

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064401.D
 Acq On : 27 Nov 2019 17:54
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 06:42:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	513576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	749413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	651314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	23639	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
35) Dibromofluoromethane	7.91	113	24687	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
50) Toluene-d8	10.34	98	89983	5.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.16%	
62) 4-Bromofluorobenzene	12.64	95	30068	5.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	24524	5.744	ug/l 95
3) Chloromethane	2.21	50	31996	6.760	ug/l 100
4) Vinyl Chloride	2.35	62	34475	6.690	ug/l 96
5) Bromomethane	2.77	94	26725	8.024	ug/l 95
6) Chloroethane	2.93	64	23256	7.005	ug/l 93
7) Trichlorofluoromethane	3.27	101	59096	7.033	ug/l 99
8) Diethyl Ether	3.71	74	11787	5.381	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	25730	5.655	ug/l 97
10) Methyl Iodide	4.29	142	20433	4.484	ug/l # 95
11) Tert butyl alcohol	5.26	59	6986	23.803	ug/l # 100
12) 1,1-Dichloroethene	4.06	96	25070	5.787	ug/l # 74
13) Acrolein	3.93	56	10550	40.005	ug/l 98
14) Allyl chloride	4.71	41	37762	5.039	ug/l 95
15) Acrylonitrile	5.43	53	24409	25.993	ug/l 99
16) Acetone	4.17	43	25759	26.127	ug/l 95
17) Carbon Disulfide	4.40	76	74461	5.498	ug/l # 95
18) Methyl Acetate	4.74	43	13560	4.889	ug/l 92
19) Methyl tert-butyl Ether	5.49	73	51363	4.981	ug/l 94
20) Methylene Chloride	4.97	84	32398	6.374	ug/l # 87
21) trans-1,2-Dichloroethene	5.46	96	27008	5.492	ug/l 90
22) Diisopropyl ether	6.37	45	70002	4.962	ug/l 96
23) Vinyl Acetate	6.31	43	189094	23.850	ug/l 98
24) 1,1-Dichloroethane	6.26	63	42911	5.215	ug/l 96
25) 2-Butanone	7.23	43	32764	25.323	ug/l 96
26) 2,2-Dichloropropane	7.21	77	39892	5.041	ug/l 95
27) cis-1,2-Dichloroethene	7.22	96	29083	5.489	ug/l 97
28) Bromochloromethane	7.55	49	17913	6.263	ug/l 95
29) Tetrahydrofuran	7.57	42	20720	26.553	ug/l 98
30) Chloroform	7.71	83	44503	5.271	ug/l 92
31) Cyclohexane	7.98	56	51184	6.199	ug/l # 88
32) 1,1,1-Trichloroethane	7.91	97	41503	5.163	ug/l 97
36) 1,1-Dichloropropene	8.11	75	37793	5.504	ug/l 99
37) Ethyl Acetate	7.30	43	14084	4.818	ug/l 96
38) Carbon Tetrachloride	8.10	117	36618	4.965	ug/l 96

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 Data File : VD064401.D
 Acq On : 27 Nov 2019 17:54
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 06:42:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	45385	5.194	ug/l	96
40) Benzene	8.36	78	98580	5.214	ug/l	93
41) Methacrylonitrile	7.53	41	7836	4.279	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	27816	4.918	ug/l	97
43) Isopropyl Acetate	8.46	43	28086	4.698	ug/l	98
44) Trichloroethene	9.11	130	30337	5.362	ug/l	94
45) 1,2-Dichloropropane	9.39	63	23087	5.006	ug/l	94
46) Dibromomethane	9.48	93	12290	4.942	ug/l	96
47) Bromodichloromethane	9.67	83	32276	4.848	ug/l #	94
48) Methyl methacrylate	9.46	41	12383	4.269	ug/l	97
49) 1,4-Dioxane	9.46	88	2988	99.900	ug/l #	82
51) 4-Methyl-2-Pentanone	10.23	43	66302	23.005	ug/l	100
52) Toluene	10.40	92	62498	5.039	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	30377	4.593	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	37271	4.820	ug/l #	89
55) 1,1,2-Trichloroethane	10.80	97	18152	5.391	ug/l	99
56) Ethyl methacrylate	10.67	69	21781	4.671	ug/l	96
57) 1,3-Dichloropropane	10.95	76	29797	5.088	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	49582	26.690	ug/l	96
59) 2-Hexanone	10.98	43	46564	22.849	ug/l	100
60) Dibromochloromethane	11.14	129	23006	4.901	ug/l	99
61) 1,2-Dibromoethane	11.25	107	17676	5.239	ug/l	100
64) Tetrachloroethene	10.88	164	25628	5.155	ug/l	96
65) Chlorobenzene	11.67	112	69518	5.259	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	24072	4.793	ug/l	96
67) Ethyl Benzene	11.75	91	124537	5.220	ug/l	97
68) m/p-Xylenes	11.86	106	90726	9.927	ug/l	99
69) o-Xylene	12.18	106	41753	4.926	ug/l	99
70) Styrene	12.20	104	71882	4.866	ug/l	97
71) Bromoform	12.37	173	14597	5.092	ug/l #	100
73) Isopropylbenzene	12.48	105	116148	5.033	ug/l	99
74) N-amyl acetate	12.30	43	24147	4.428	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	19694	5.553	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	24481	9.679	ug/l #	100
77) Bromobenzene	12.77	156	27830	4.946	ug/l	98
78) n-propylbenzene	12.83	91	132106	5.010	ug/l	100
79) 2-Chlorotoluene	12.91	91	70926	4.779	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	90621	4.775	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	6020	4.754	ug/l	94
82) 4-Chlorotoluene	13.01	91	77747	5.010	ug/l	99
83) tert-Butylbenzene	13.23	119	81699	4.906	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	93715	5.001	ug/l	100
85) sec-Butylbenzene	13.41	105	114038	5.078	ug/l	98
86) p-Isopropyltoluene	13.52	119	103842	4.867	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	54478	5.198	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	53752	5.270	ug/l	92
89) n-Butylbenzene	13.85	91	97336	5.048	ug/l	98
90) Hexachloroethane	14.12	117	20859	5.273	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	45181	5.080	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3594	5.778	ug/l	75

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Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 29 06:42:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 06:39:45 2019
Response via : Initial Calibration

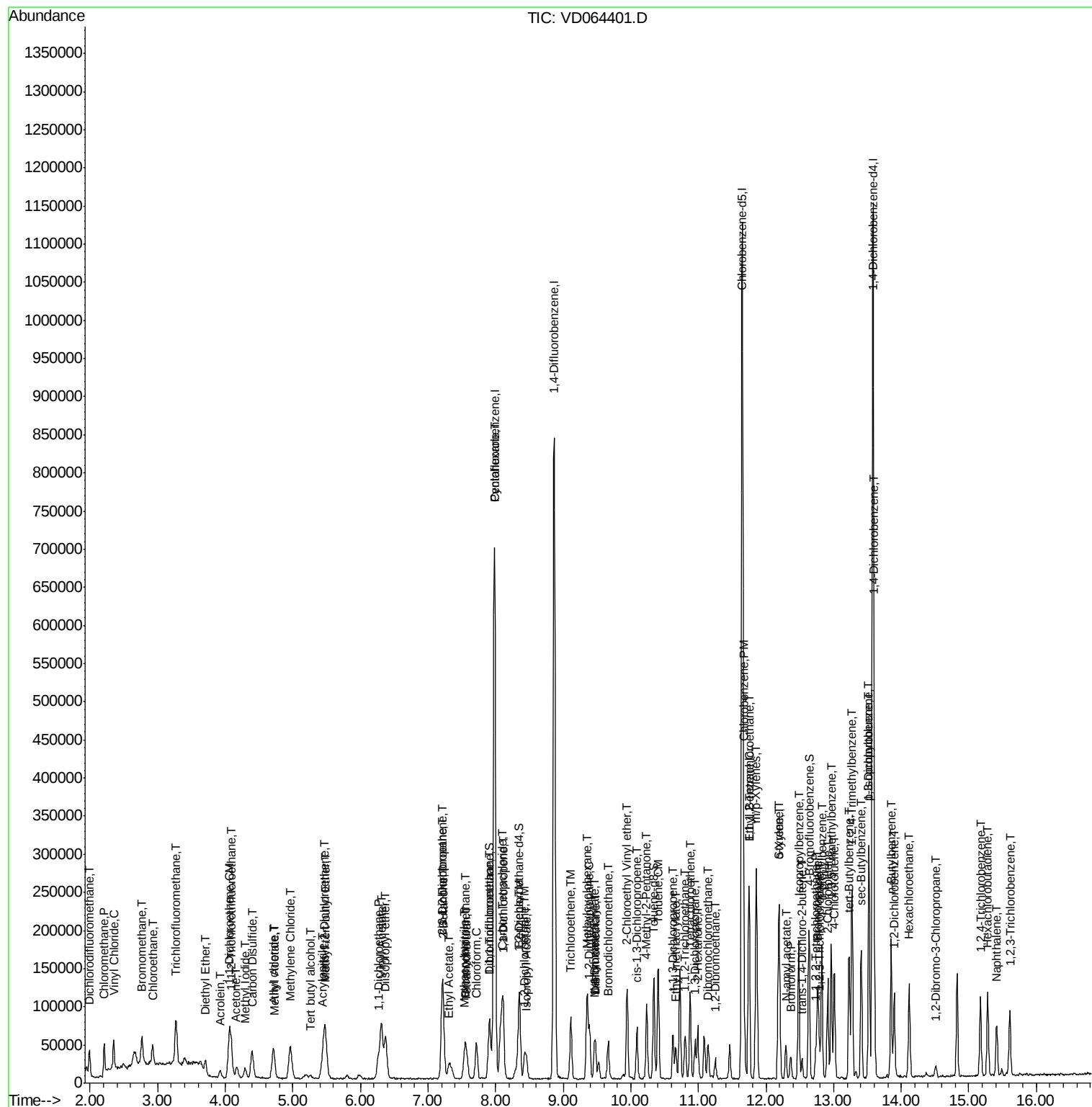
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	36415	5.335	ug/l	98
94) Hexachlorobutadiene	15.28	225	22218	5.058	ug/l	94
95) Naphthalene	15.41	128	57506	5.102	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	30410	5.208	ug/l	99

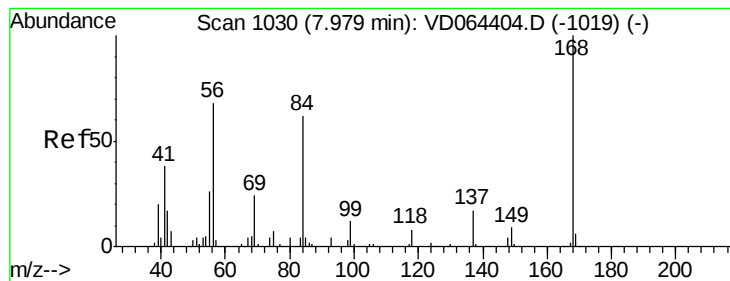
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112719\
Data File : VD064401.D
Acq On : 27 Nov 2019 17:54
Operator : VA/SY
Sample : VSTDIC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 29 06:42:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 06:39:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

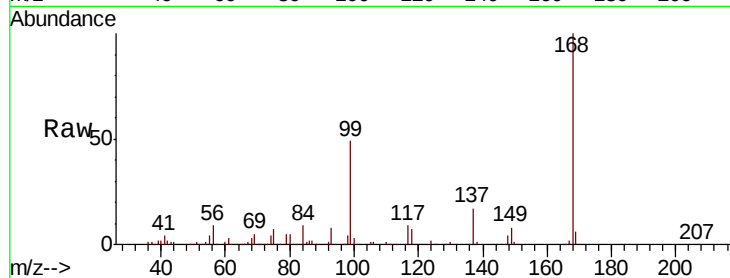
ClientSampleId :

Tot Ion:168 Resp: 513576

Ion Ratio Lower Upper

168 100

99 49.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

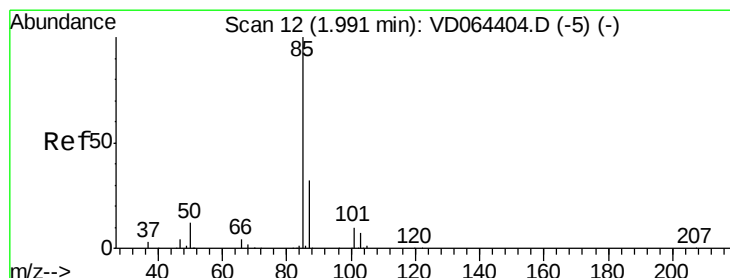
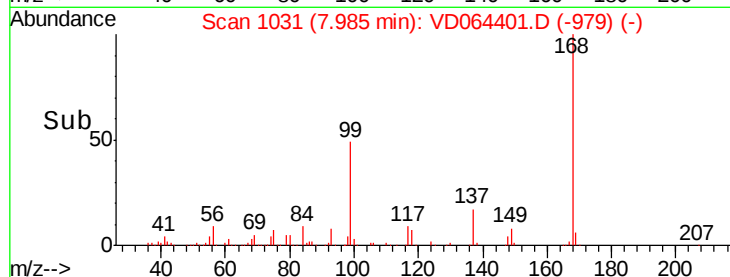
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.744 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064401.D

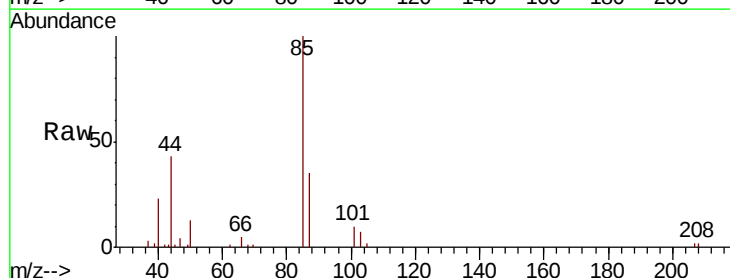
Acq: 27 Nov 2019 17:54

Tgt Ion: 85 Resp: 24524

Ion Ratio Lower Upper

85 100

87 35.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

20000

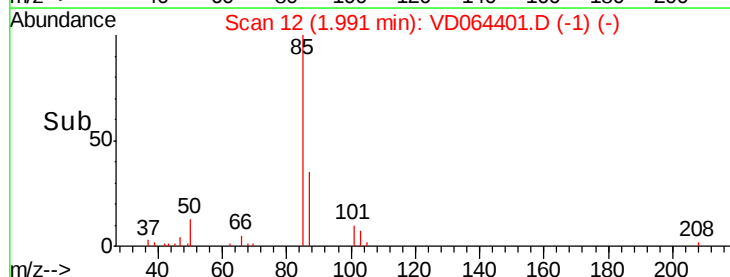
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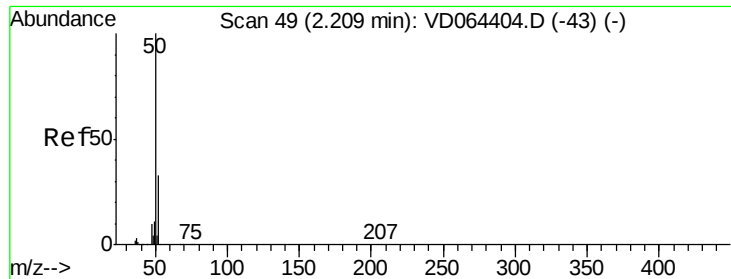
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5000

0

Time-->

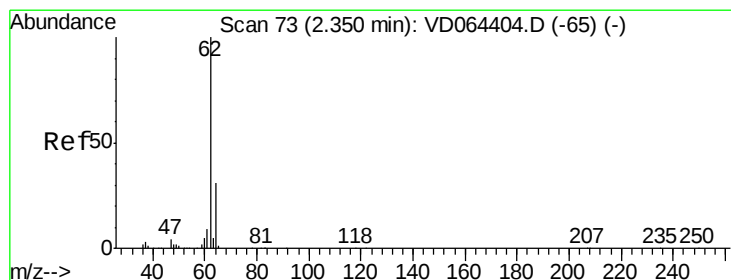
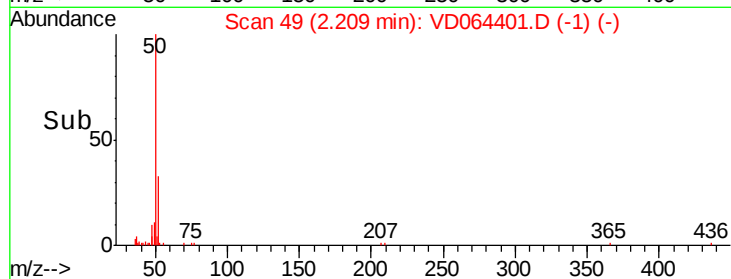
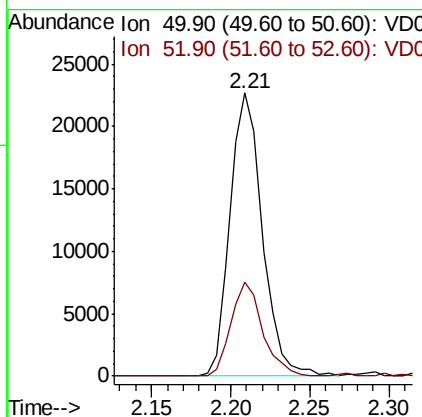
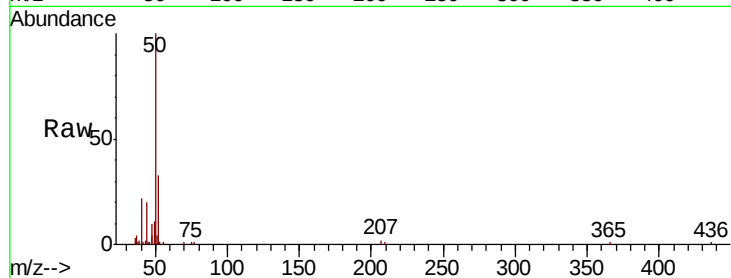




#3
Chloromethane
Concen: 6.760 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

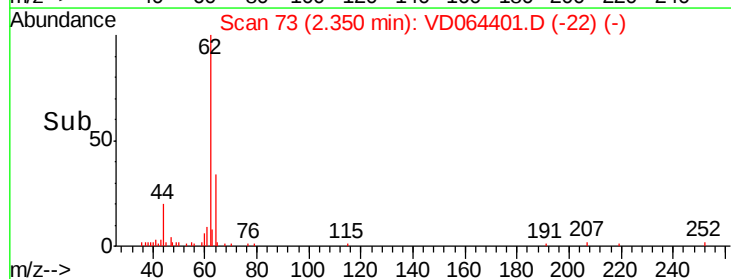
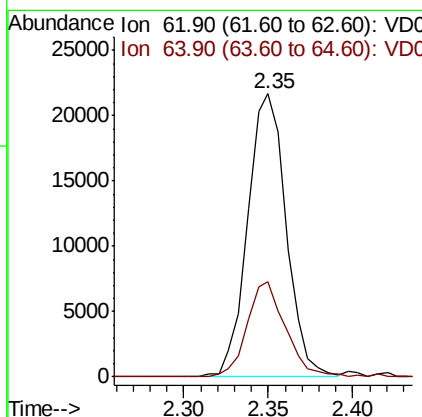
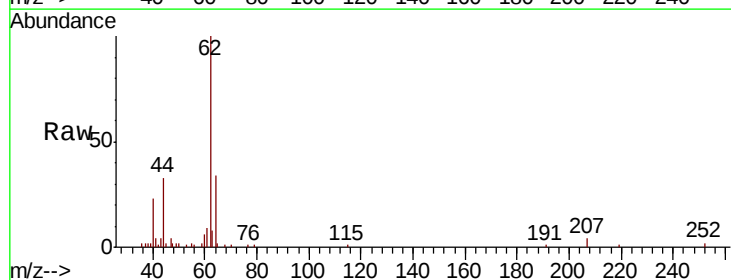
Instrument :
MSVOA_D
ClientSampleId :

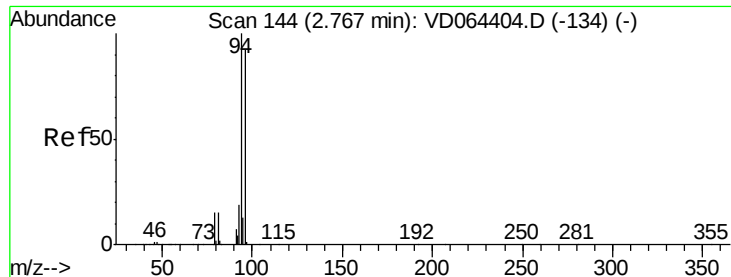
Tot Ion: 50 Resp: 31996
Ion Ratio Lower Upper
50 100
52 33.4 26.7 40.1



#4
Vinyl Chloride
Concen: 6.690 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 62 Resp: 34475
Ion Ratio Lower Upper
62 100
64 33.5 25.0 37.4





#5

Bromomethane

Concen: 8.024 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

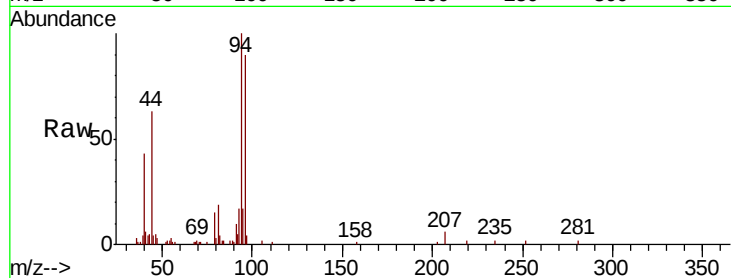
ClientSampleId :

Tot Ion: 94 Resp: 26725

Ion Ratio Lower Upper

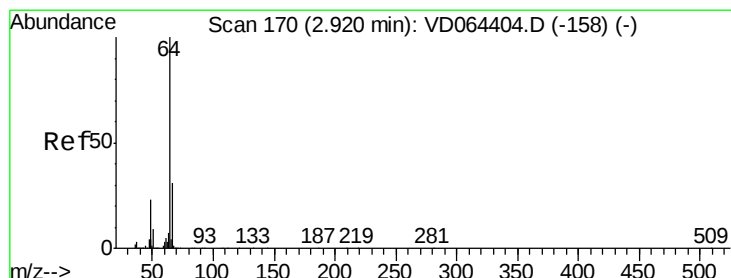
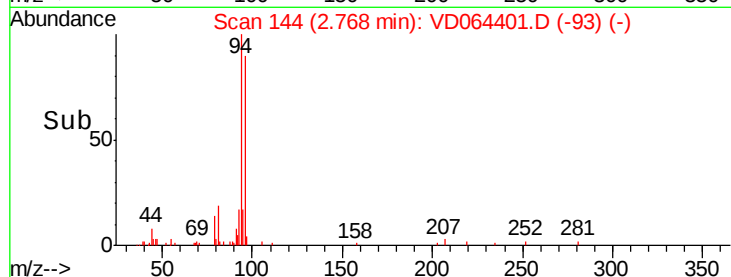
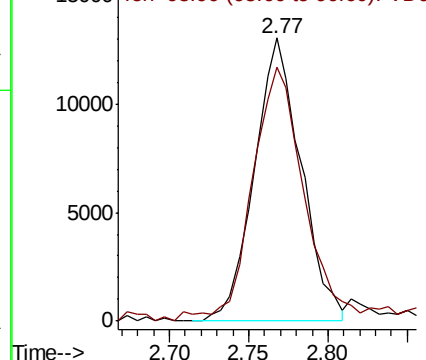
94 100

96 87.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 7.005 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064401.D

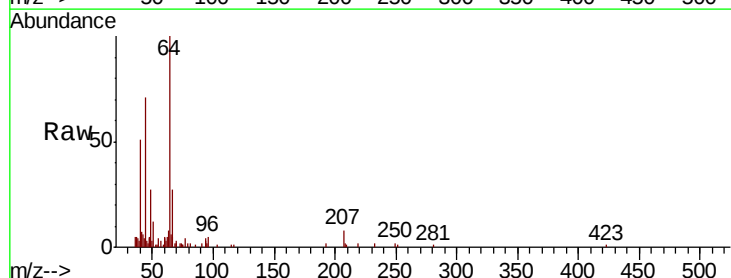
Acq: 27 Nov 2019 17:54

Tgt Ion: 64 Resp: 23256

Ion Ratio Lower Upper

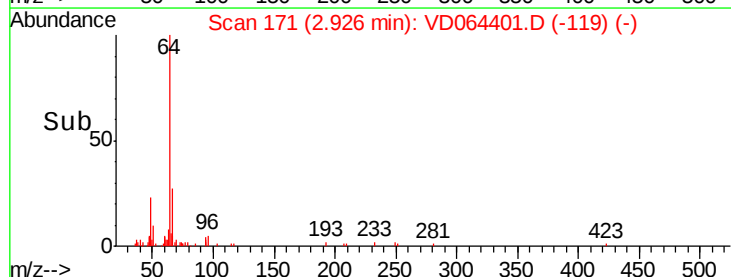
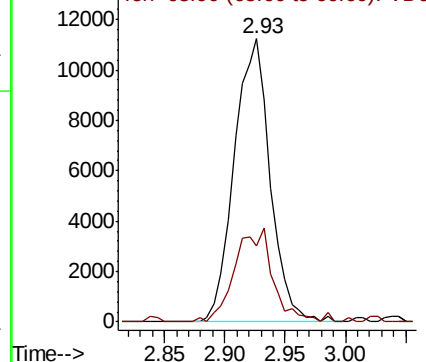
64 100

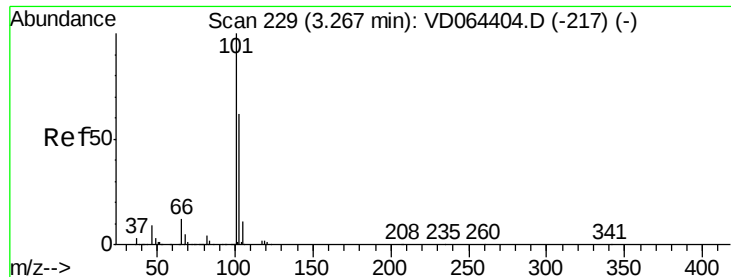
66 27.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



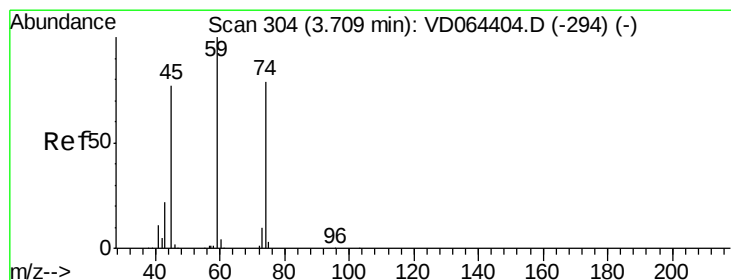
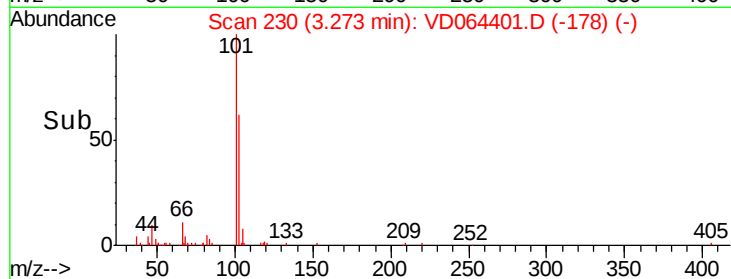
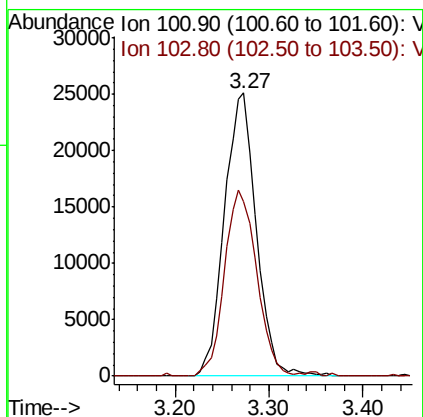
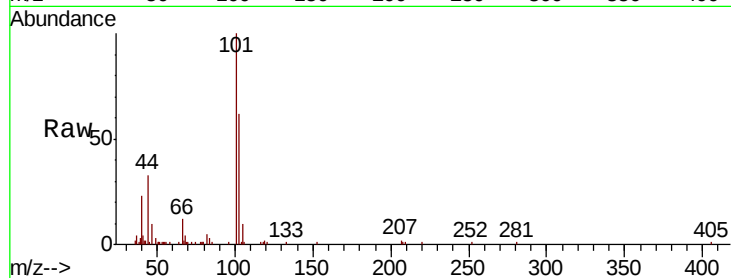


#7

Trichlorofluoromethane
 Concen: 7.033 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :

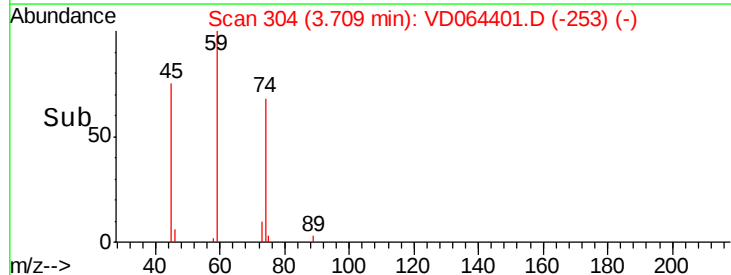
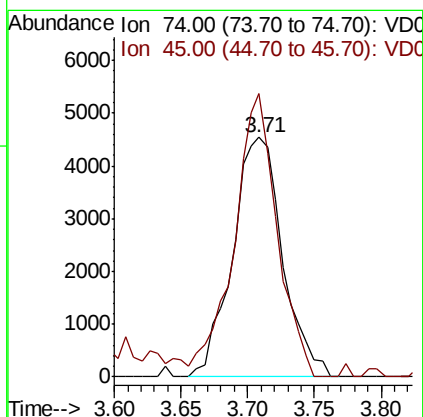
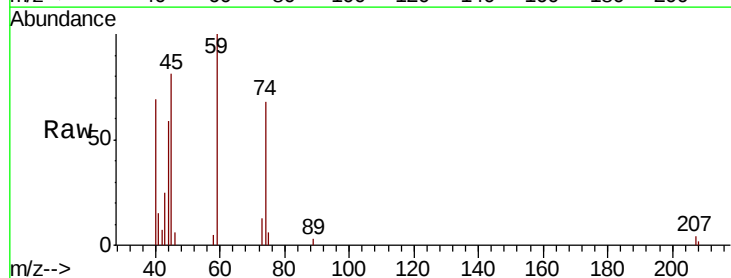
Tot Ion:101 Resp: 59096
 Ion Ratio Lower Upper
 101 100
 103 61.8 49.8 74.6

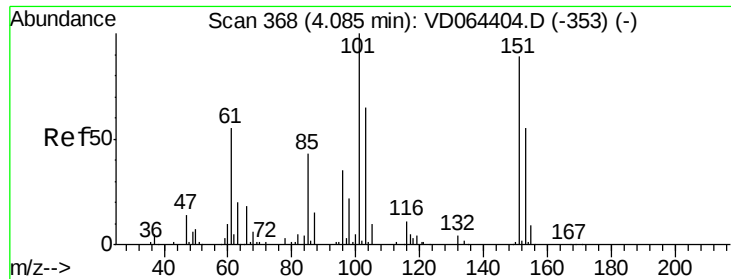


#8

Diethyl Ether
 Concen: 5.381 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion: 74 Resp: 11787
 Ion Ratio Lower Upper
 74 100
 45 101.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.655 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

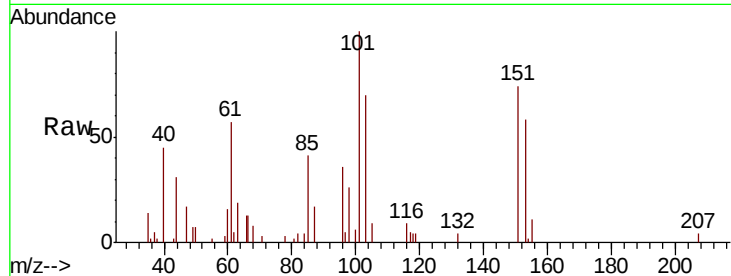
Tot Ion:101 Resp: 25730

Ion Ratio Lower Upper

101 100

85 47.0 34.8 52.2

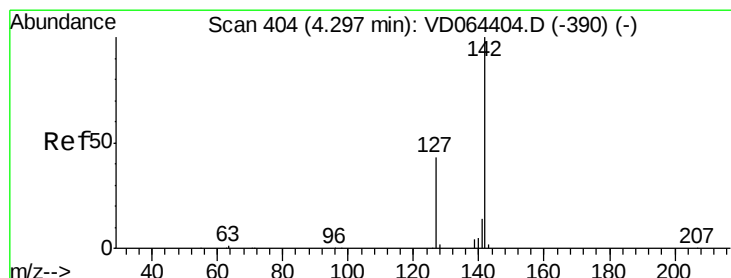
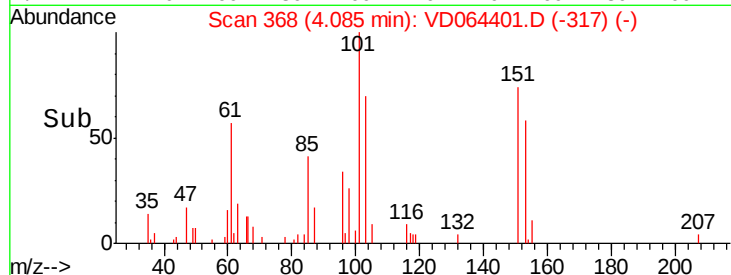
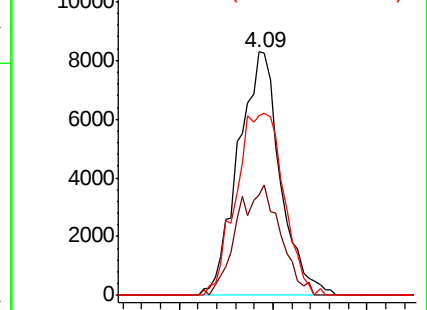
151 84.9 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.484 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

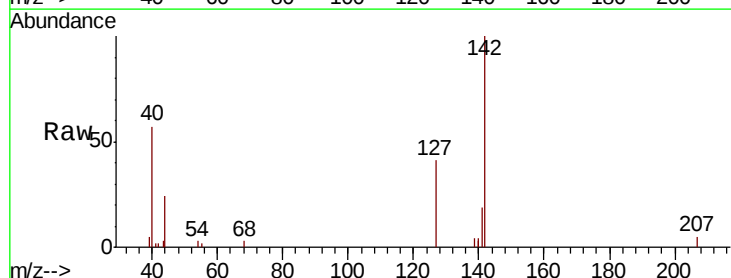
Tgt Ion:142 Resp: 20433

Ion Ratio Lower Upper

142 100

127 41.7 35.3 52.9

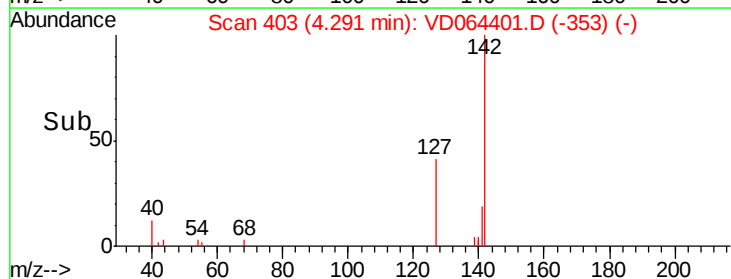
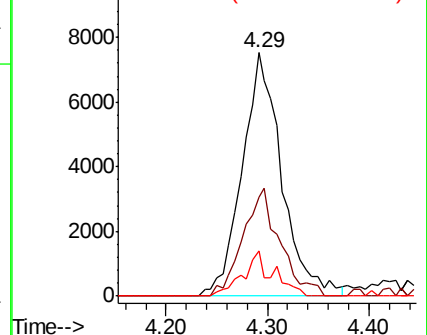
141 10.3 11.6 17.4#

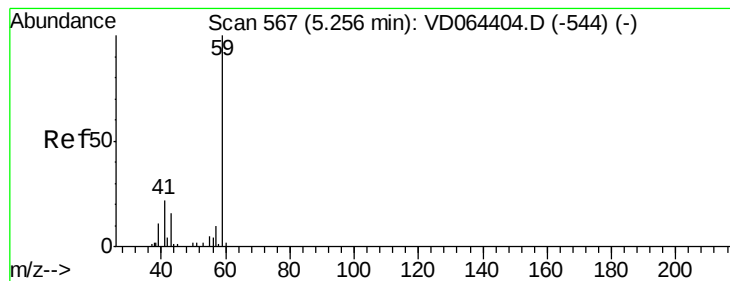


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



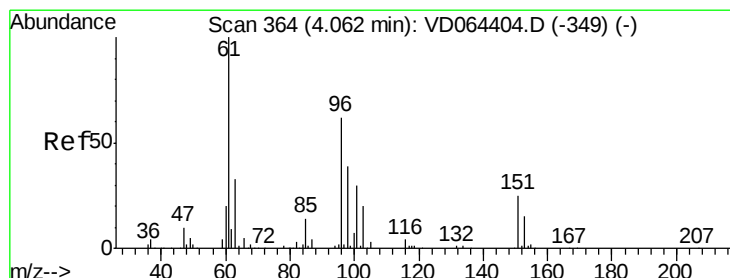
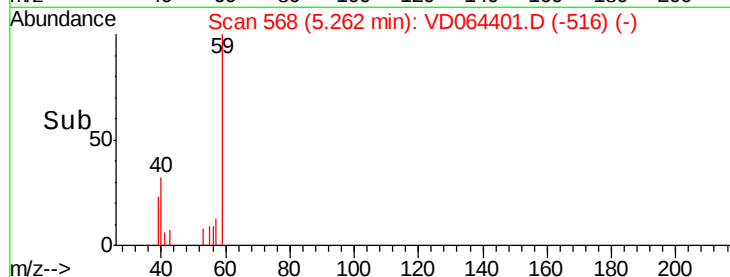
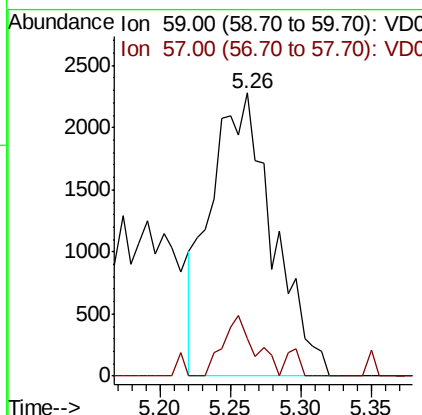
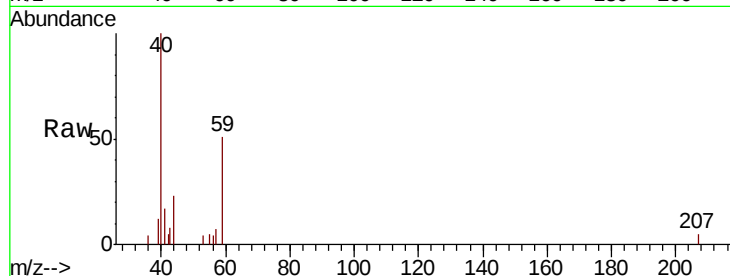


#11

Tert butyl alcohol
Concen: 23.803 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampled :

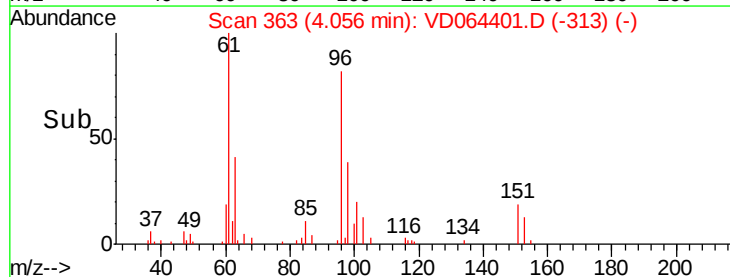
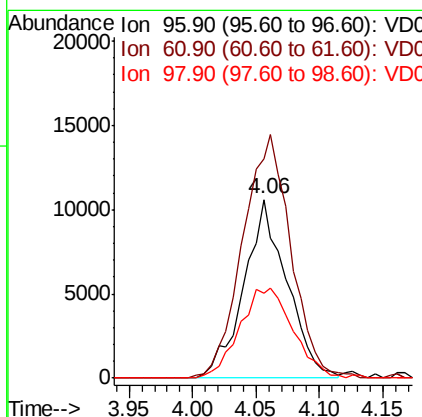
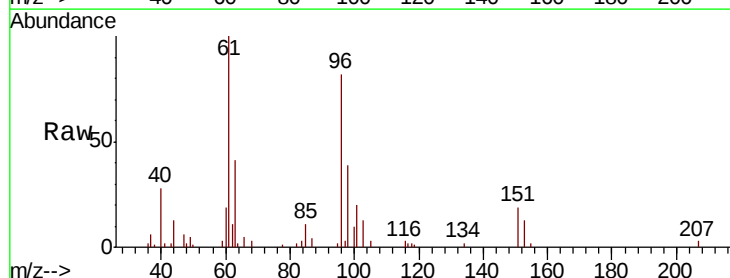
Tot Ion: 59 Resp: 6986
Ion Ratio Lower Upper
59 100
57 11.0 0.0 0.0#

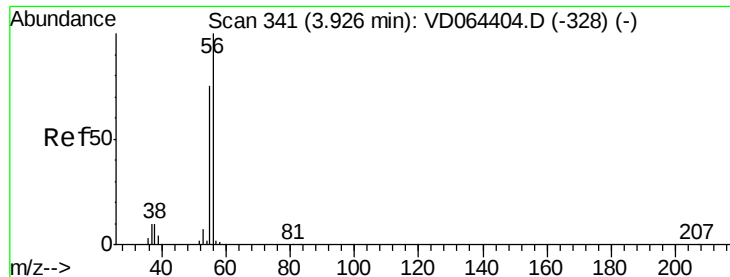


#12

1,1-Dichloroethene
Concen: 5.787 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 96 Resp: 25070
Ion Ratio Lower Upper
96 100
61 122.4 128.2 192.4#
98 47.4 50.4 75.6#

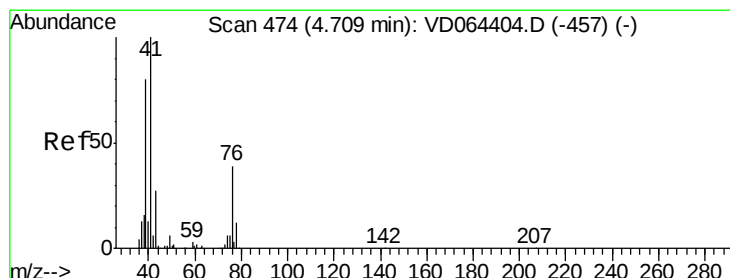
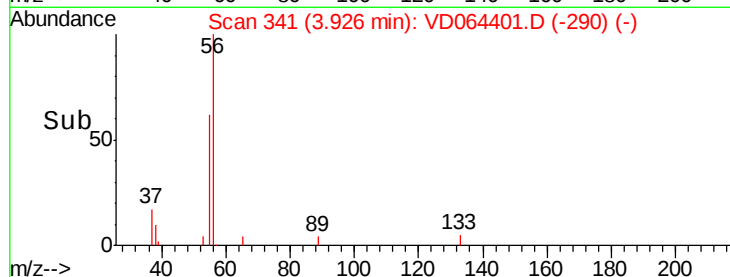
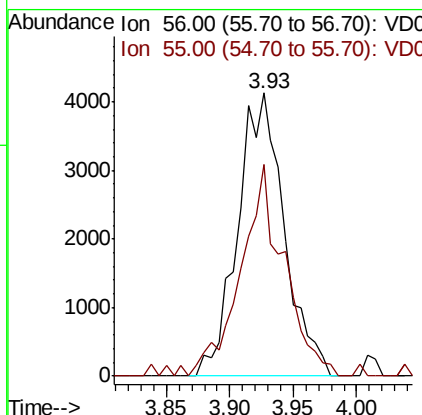
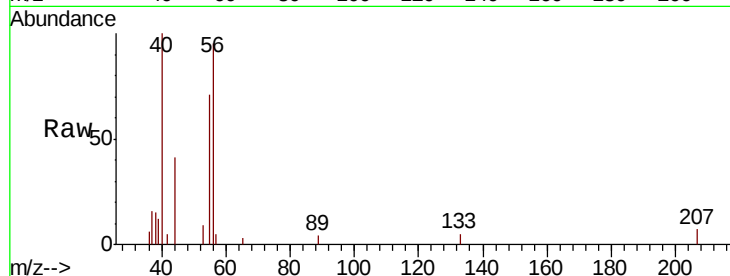




#13
Acrolein
Concen: 40.005 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

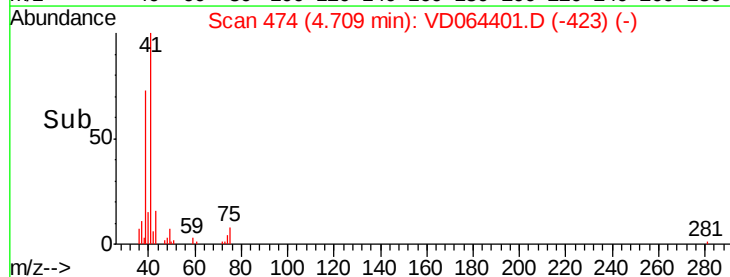
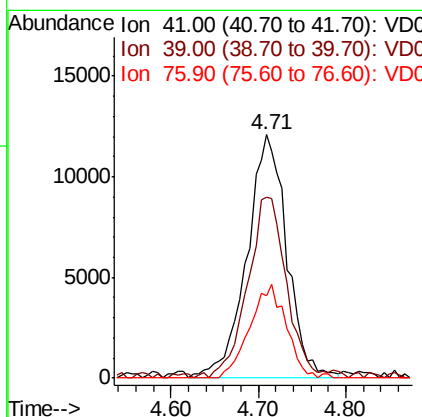
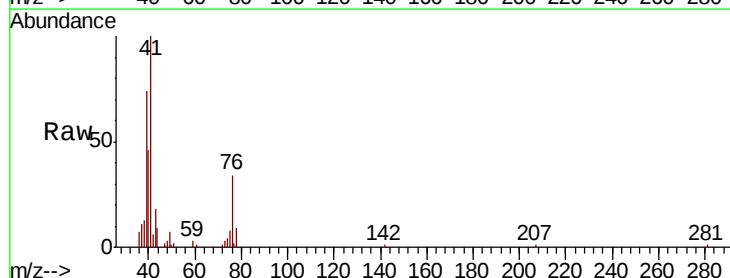
Instrument :
MSVOA_D
ClientSampled :

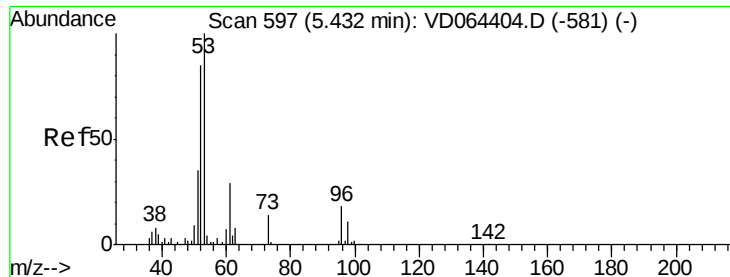
Tot Ion: 56 Resp: 10550
Ion Ratio Lower Upper
56 100
55 69.8 56.9 85.3



#14
Allyl chloride
Concen: 5.039 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 41 Resp: 37762
Ion Ratio Lower Upper
41 100
39 72.6 62.1 93.1
76 34.8 29.8 44.8





#15

Acrylonitrile

Concen: 25.993 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

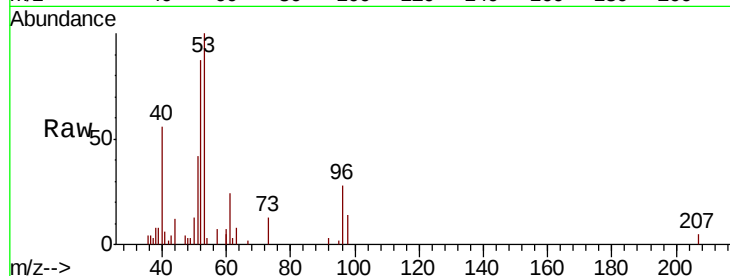
Tot Ion: 53 Resp: 24409

Ion Ratio Lower Upper

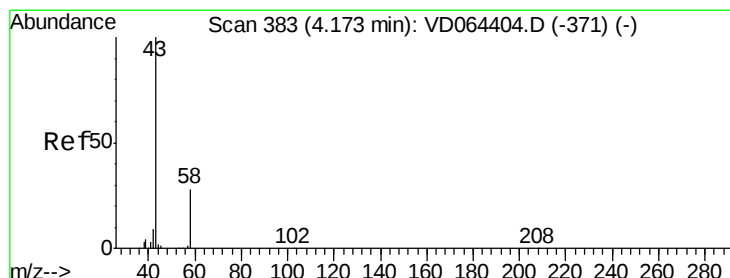
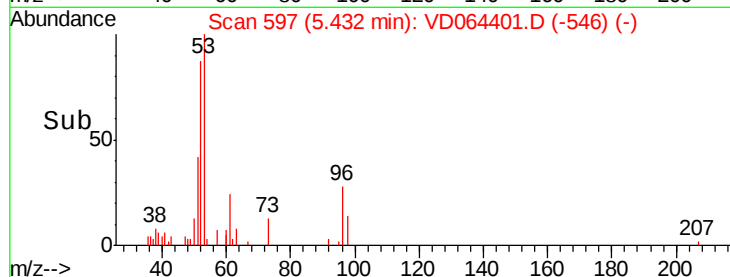
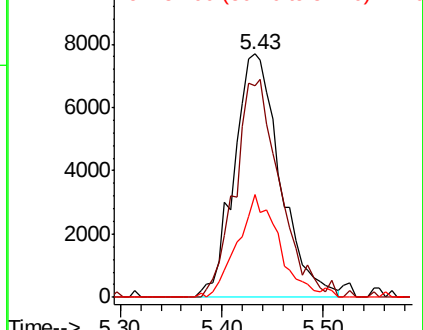
53 100

52 86.4 67.9 101.9

51 38.3 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 26.127 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064401.D

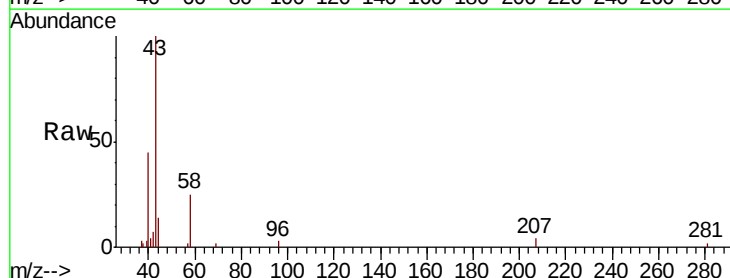
Acq: 27 Nov 2019 17:54

Tgt Ion: 43 Resp: 25759

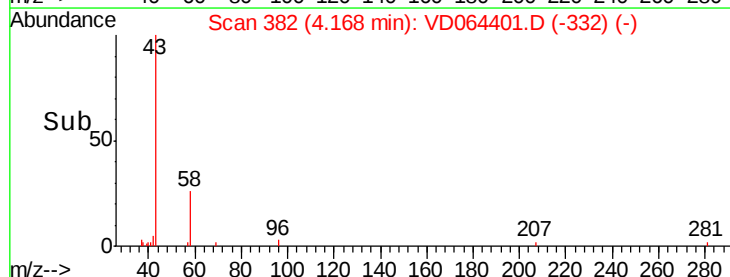
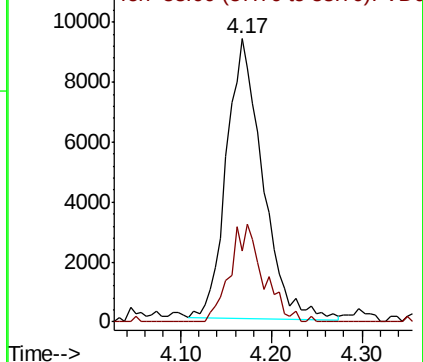
Ion Ratio Lower Upper

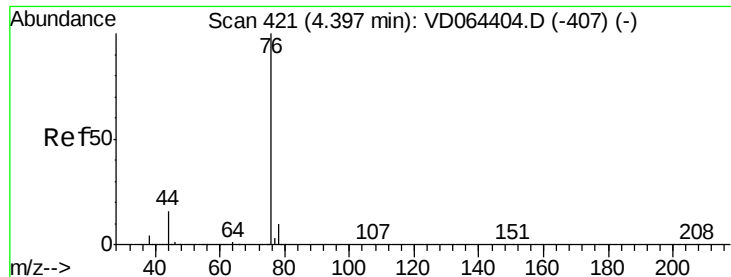
43 100

58 25.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

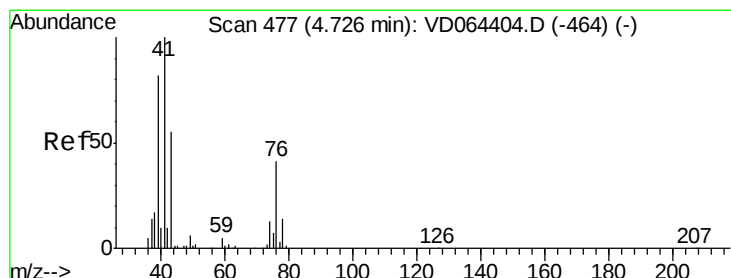
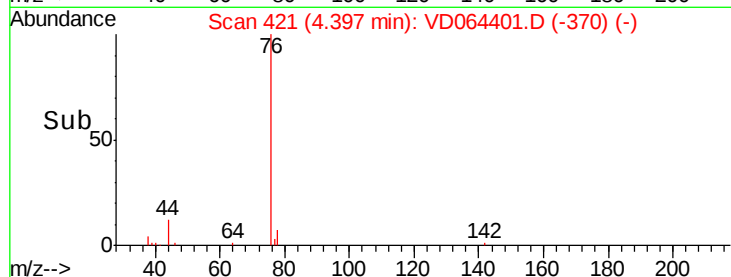
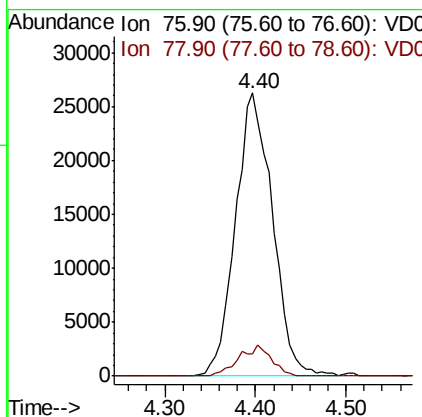
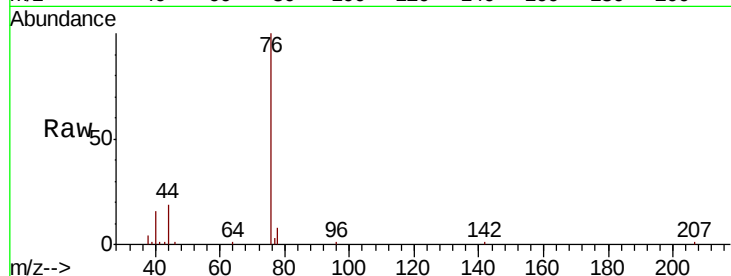




#17
Carbon Disulfide
Concen: 5.498 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

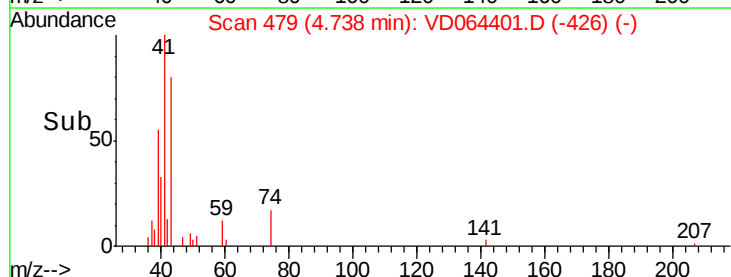
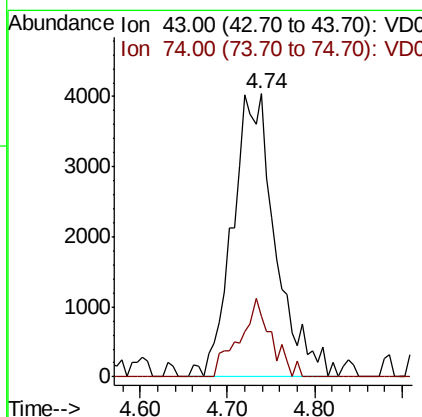
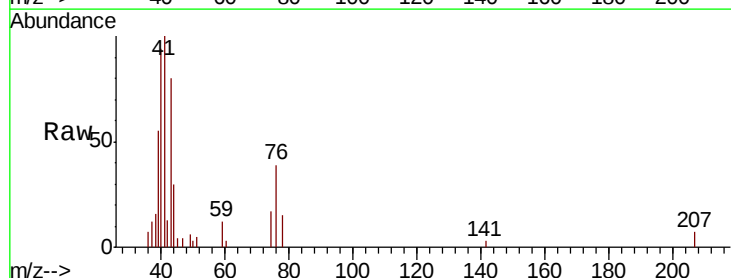
Instrument :
MSVOA_D
ClientSampled :

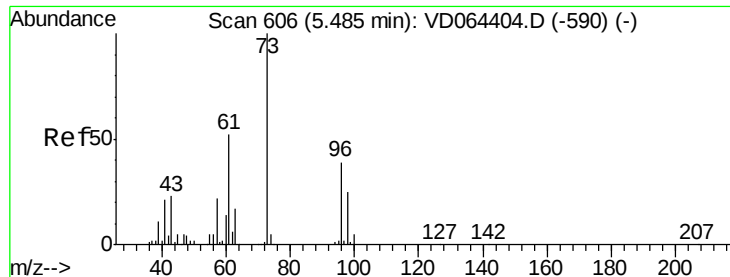
Tot Ion: 76 Resp: 74461
Ion Ratio Lower Upper
76 100
78 7.8 7.8 11.8#



#18
Methyl Acetate
Concen: 4.889 ug/l
RT: 4.74 min Scan# 479
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 43 Resp: 13560
Ion Ratio Lower Upper
43 100
74 20.5 19.7 29.5



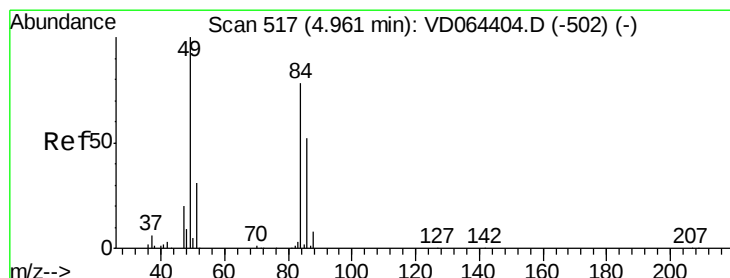
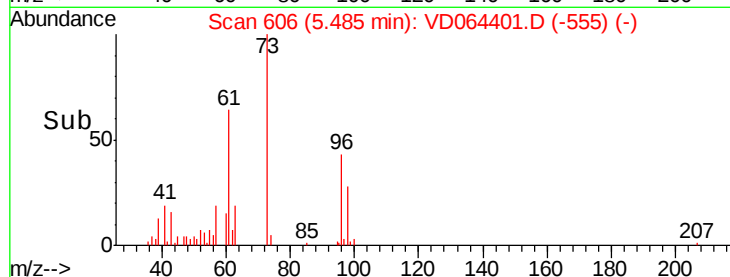
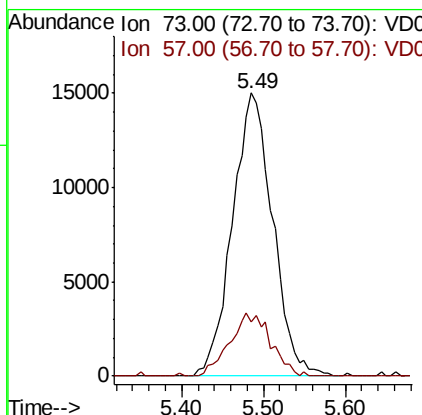
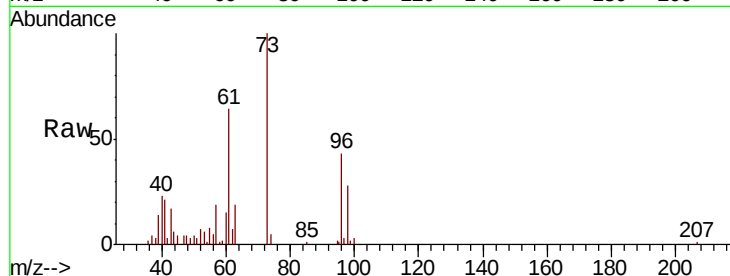


#19

Methyl tert-butyl Ether
 Concen: 4.981 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :

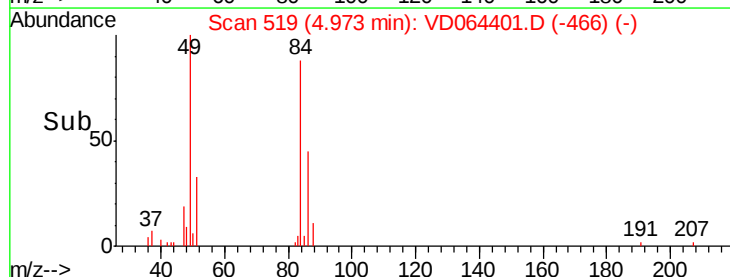
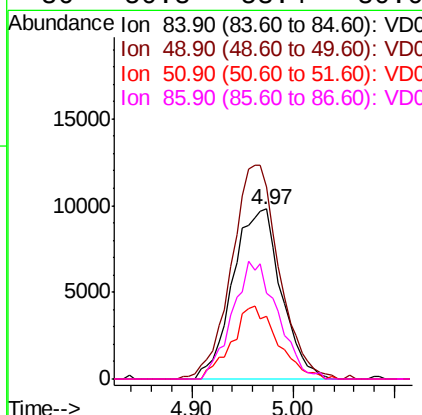
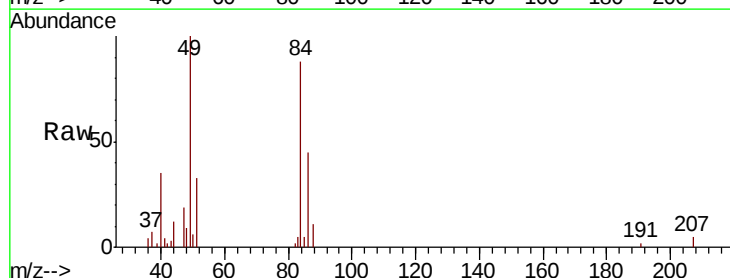
Tot Ion: 73 Resp: 51363
 Ion Ratio Lower Upper
 73 100
 57 19.2 17.6 26.4

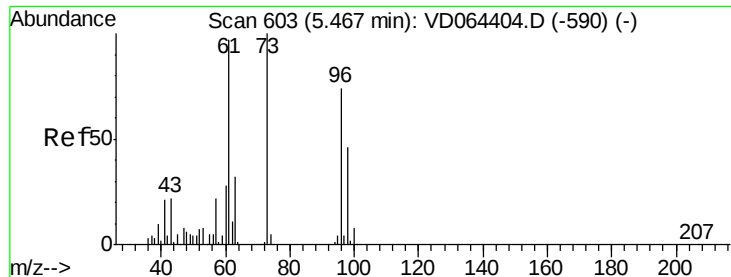


#20

Methylene Chloride
 Concen: 6.374 ug/l
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion: 84 Resp: 32398
 Ion Ratio Lower Upper
 84 100
 49 113.3 102.6 153.8
 51 37.2 32.0 48.0
 86 50.8 53.4 80.0#





#21

trans-1,2-Dichloroethene

Concen: 5.492 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

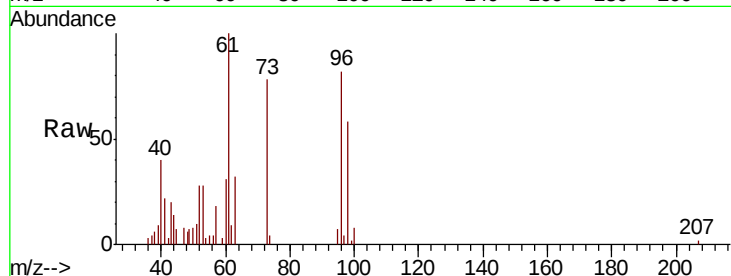
Tot Ion: 96 Resp: 27008

Ion Ratio Lower Upper

96 100

61 121.4 105.8 158.6

98 70.7 50.1 75.1



Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

15000

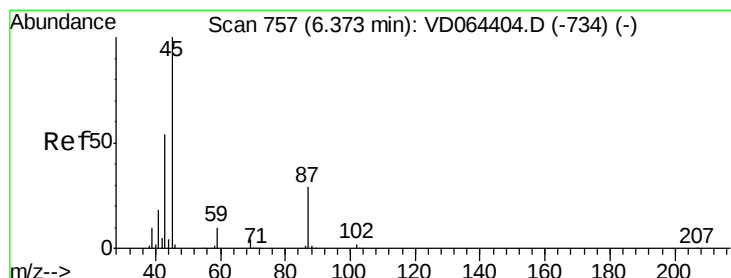
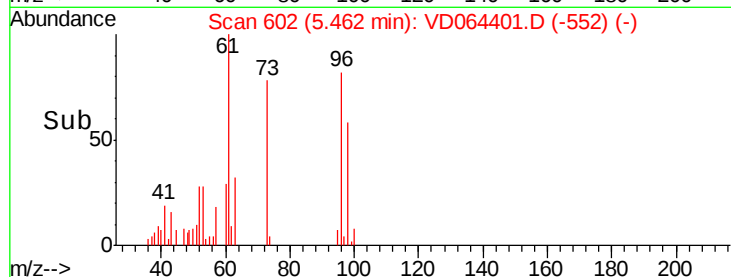
10000

5000

0

5.40 5.46 5.50 5.60

Time-->



#22

Diisopropyl ether

Concen: 4.962 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion: 45 Resp: 70002

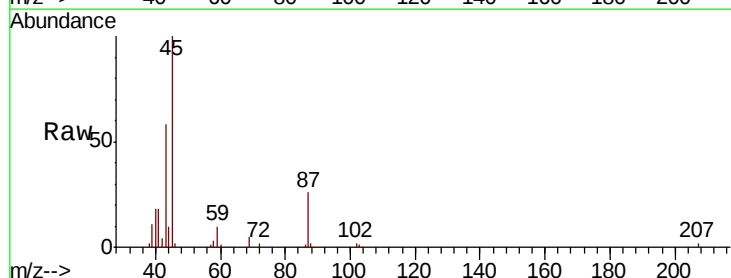
Ion Ratio Lower Upper

45 100

43 56.5 43.1 64.7

87 25.8 23.5 35.3

59 10.3 8.2 12.2



Abundance

Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

80000

60000

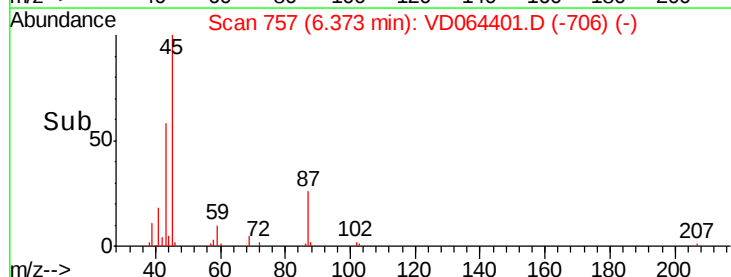
40000

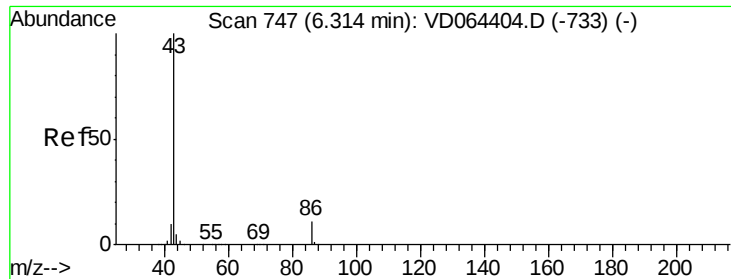
20000

0

6.20 6.30 6.40 6.50

Time-->





#23

Vinyl Acetate

Concen: 23.850 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

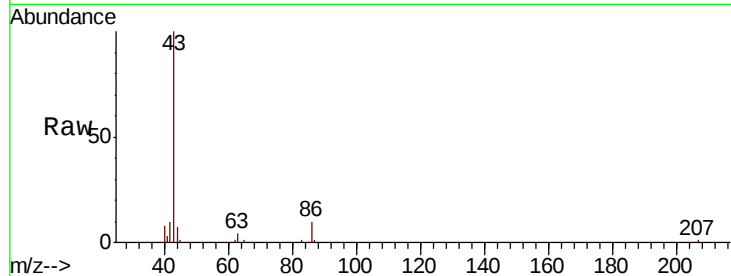
ClientSampleId :

Tot Ion: 43 Resp: 189094

Ion Ratio Lower Upper

43 100

86 10.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

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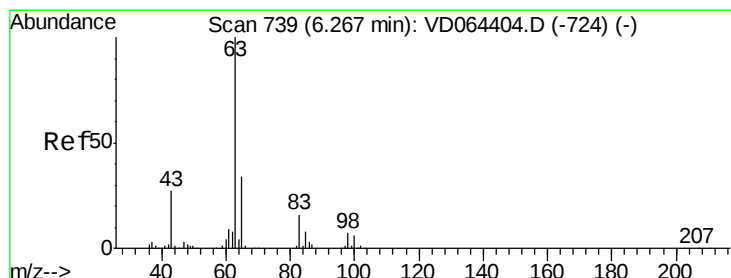
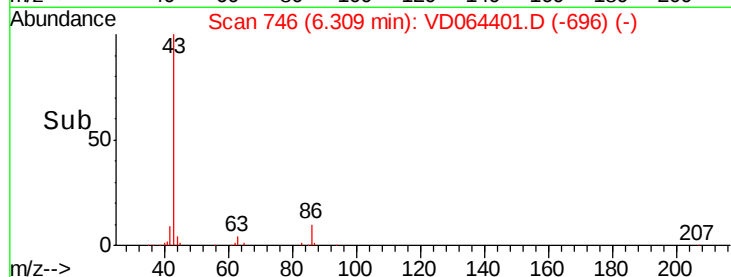
6.31

6.31

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6.31



#24

1,1-Dichloroethane

Concen: 5.215 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

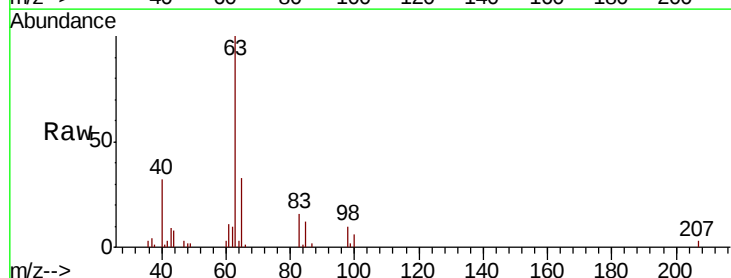
Tgt Ion: 63 Resp: 42911

Ion Ratio Lower Upper

63 100

98 10.0 3.6 10.9

100 5.6 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

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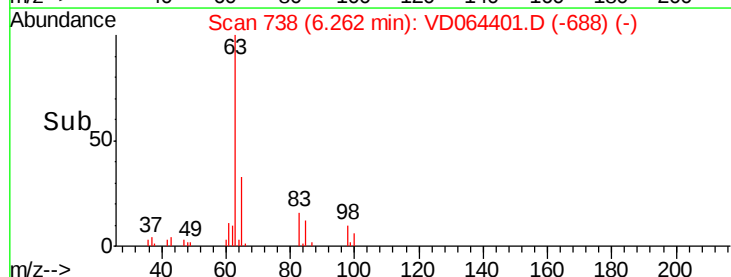
6.26

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6.26

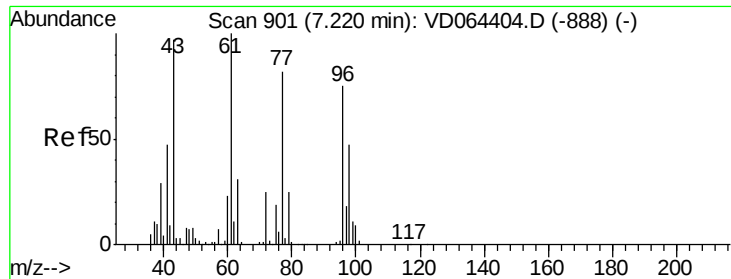
6.26

6.26

6.26

6.26

6.26



#25

2-Butanone

Concen: 25.323 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

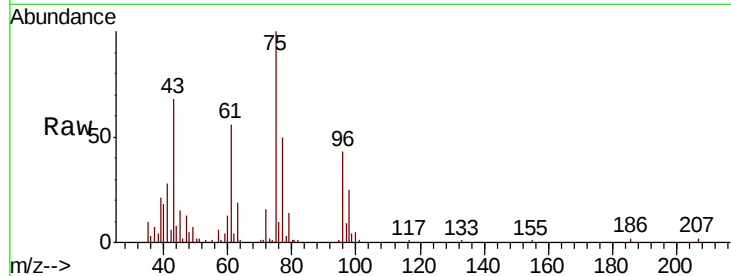
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 32764

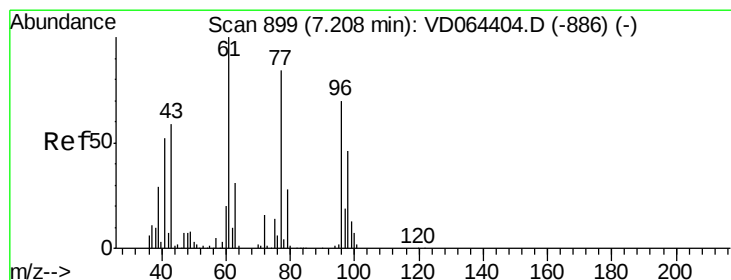
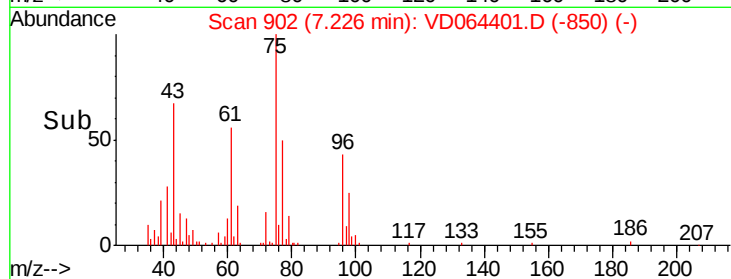
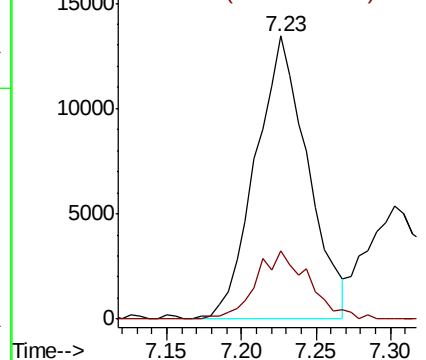
Ion Ratio Lower Upper

43 100

72 24.0 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.041 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064401.D

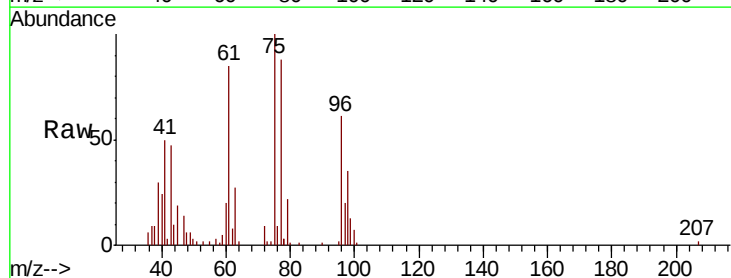
Acq: 27 Nov 2019 17:54

Tgt Ion: 77 Resp: 39892

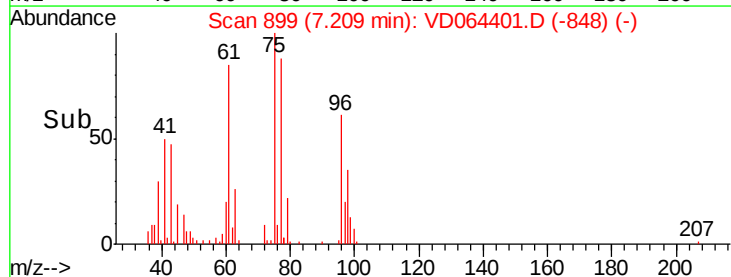
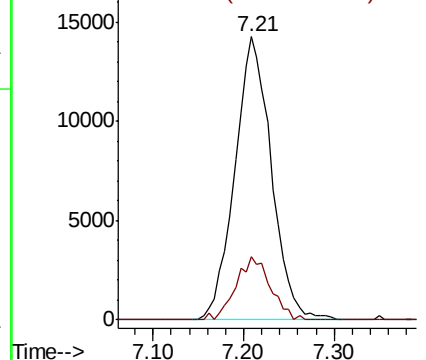
Ion Ratio Lower Upper

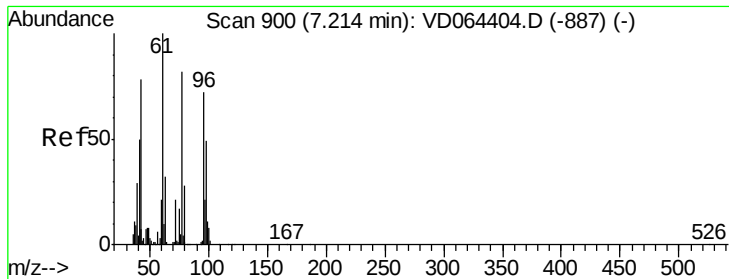
77 100

97 20.8 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



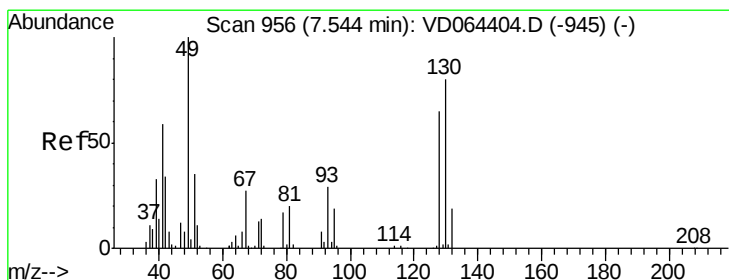
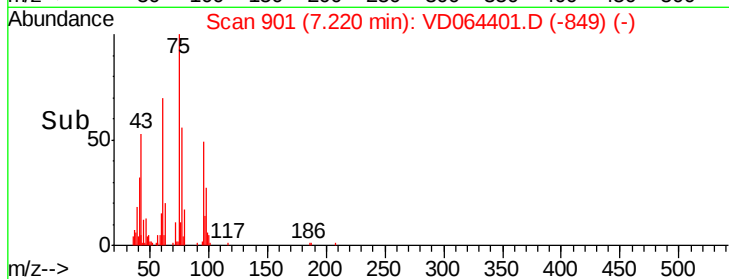
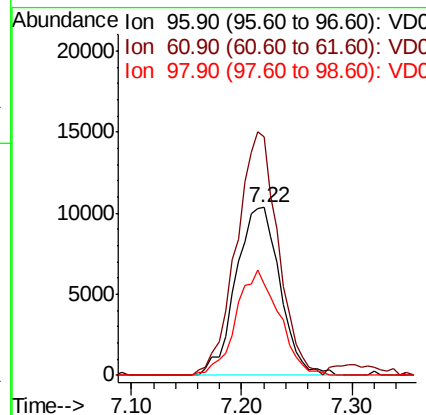
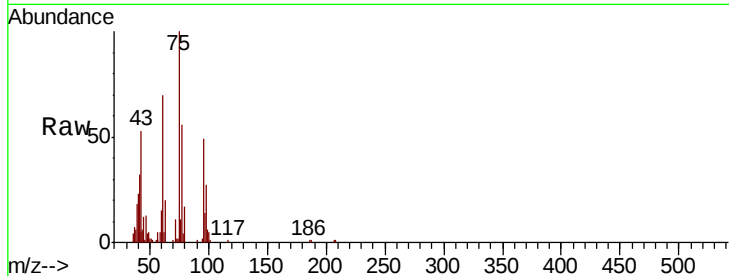


#27

cis-1,2-Dichloroethene
Concen: 5.489 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :

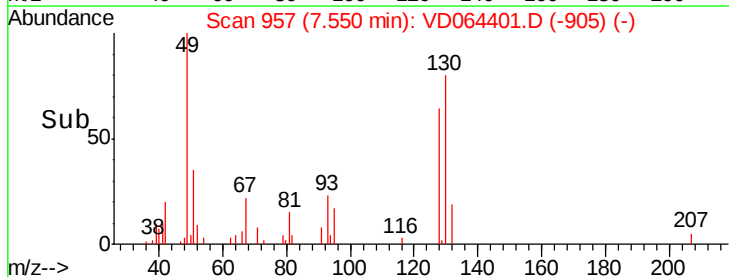
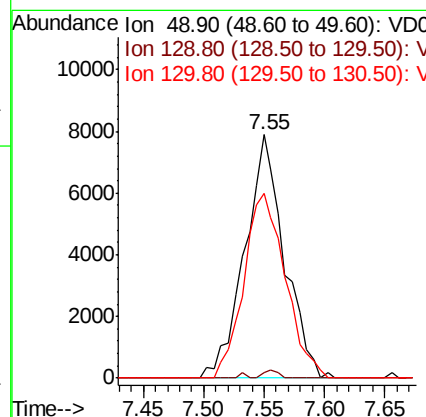
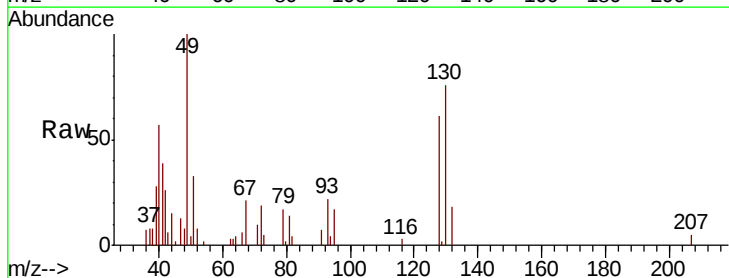
Tot Ion: 96 Resp: 29083
Ion Ratio Lower Upper
96 100
61 136.3 0.0 279.6
98 61.3 0.0 129.2

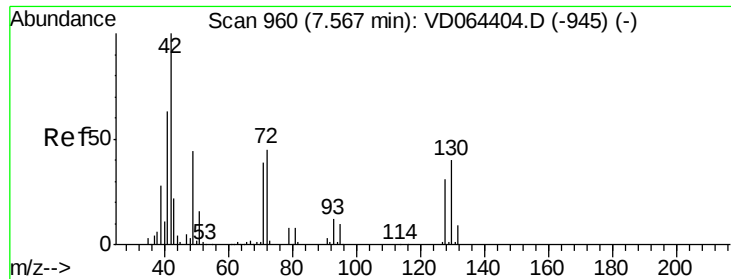


#28

Bromochloromethane
Concen: 6.263 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 49 Resp: 17913
Ion Ratio Lower Upper
49 100
129 1.2 0.0 4.4
130 79.8 67.4 101.0

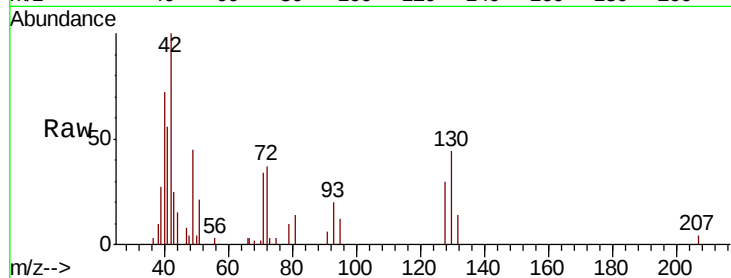




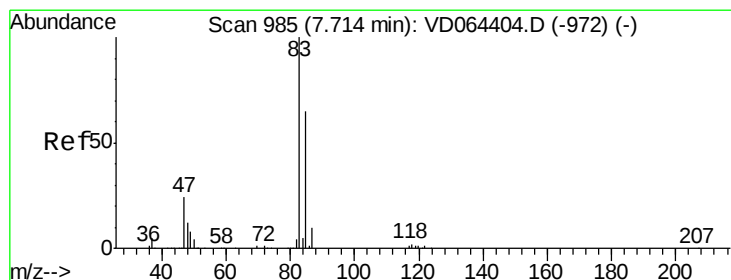
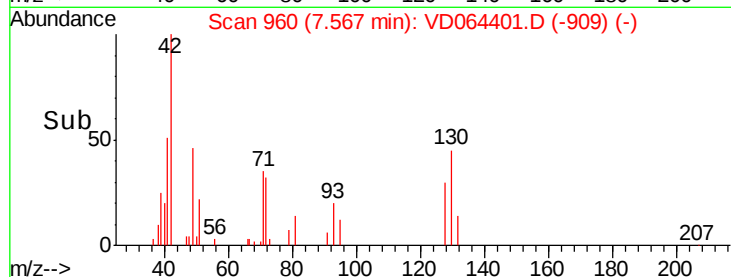
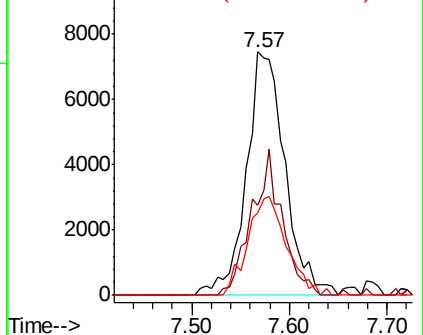
#29
Tetrahydrofuran
Concen: 26.553 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 42 Resp: 20720
Ion Ratio Lower Upper
42 100
72 47.6 35.8 53.8
71 40.8 32.7 49.1

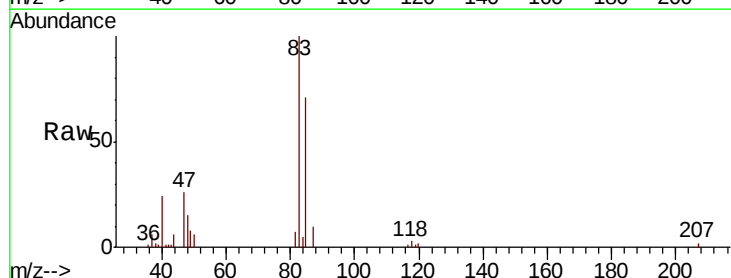


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

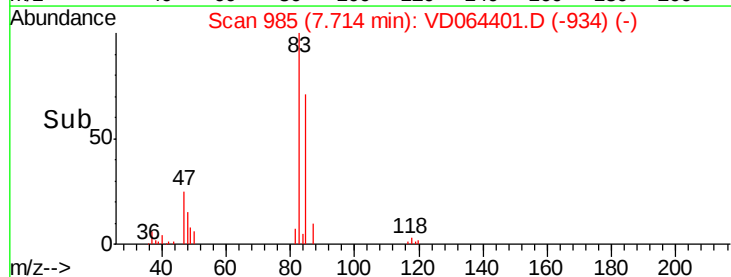
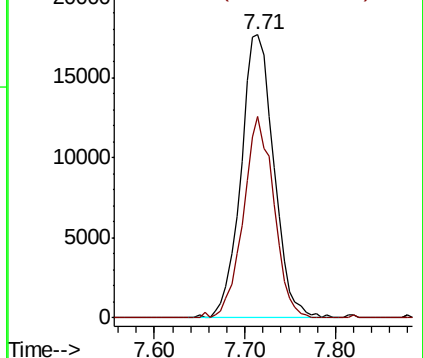


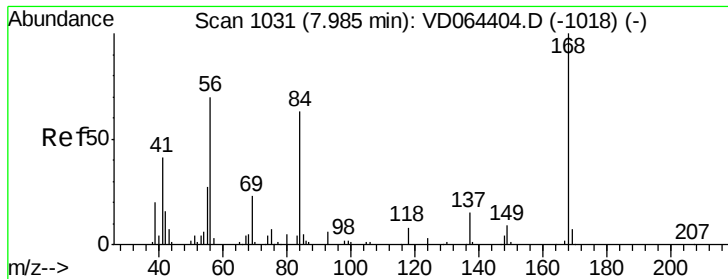
#30
Chloroform
Concen: 5.271 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 83 Resp: 44503
Ion Ratio Lower Upper
83 100
85 71.1 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

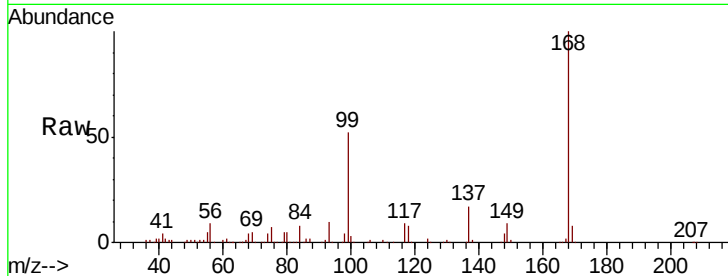




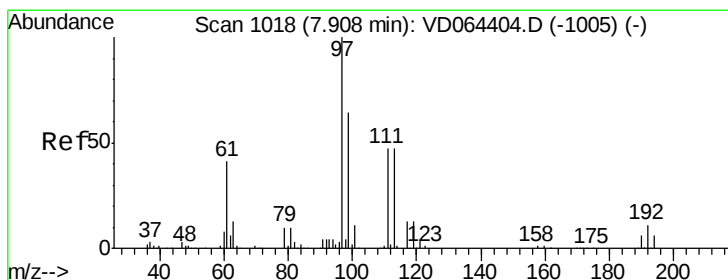
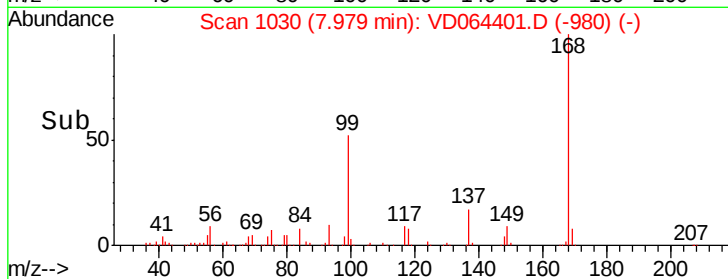
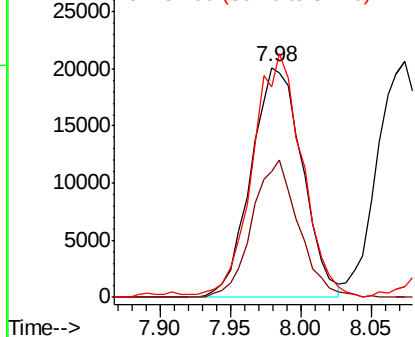
#31
Cyclohexane
Concen: 6.199 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 51184
Ion Ratio Lower Upper
56 100
69 54.8 26.2 39.4#
84 90.3 70.3 105.5

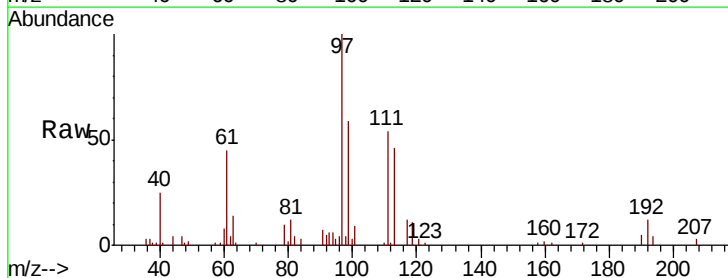


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

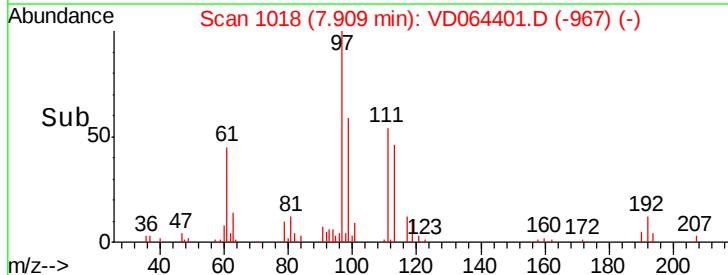
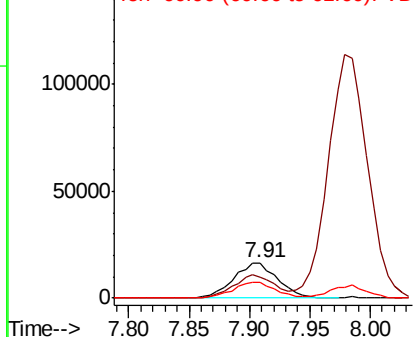


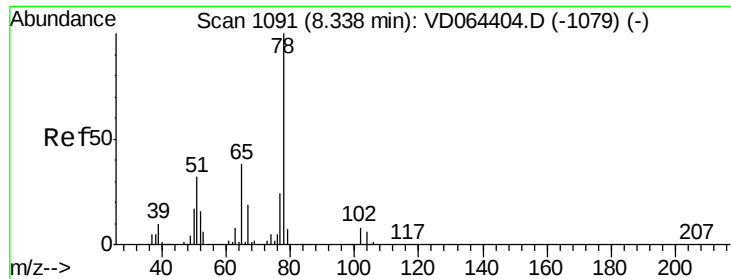
#32
1,1,1-Trichloroethane
Concen: 5.163 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 97 Resp: 41503
Ion Ratio Lower Upper
97 100
99 61.6 51.4 77.2
61 45.0 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 5.620 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

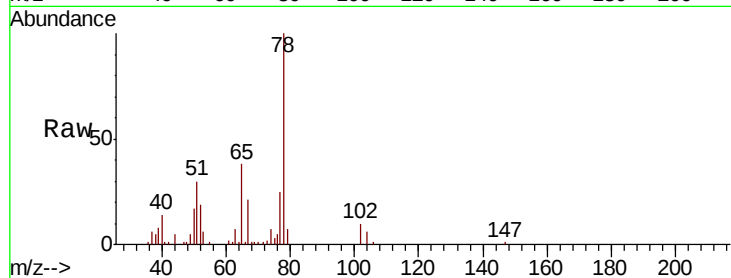
ClientSampleId :

Tot Ion: 65 Resp: 23639

Ion Ratio Lower Upper

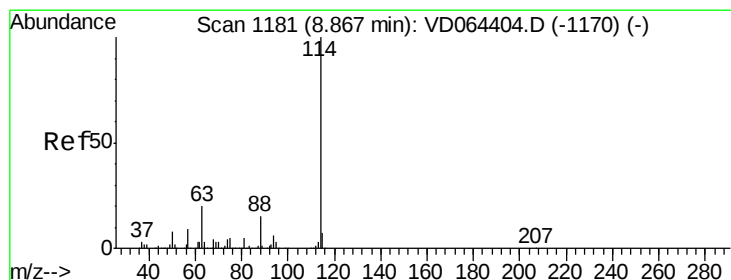
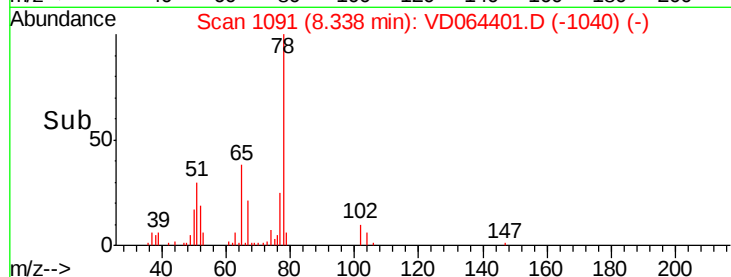
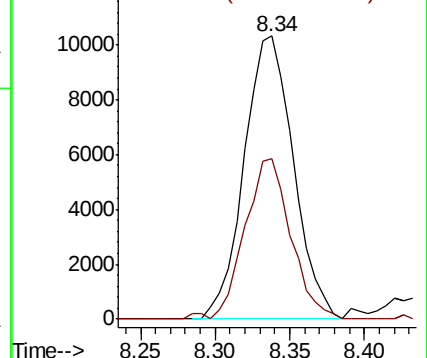
65 100

67 52.9 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

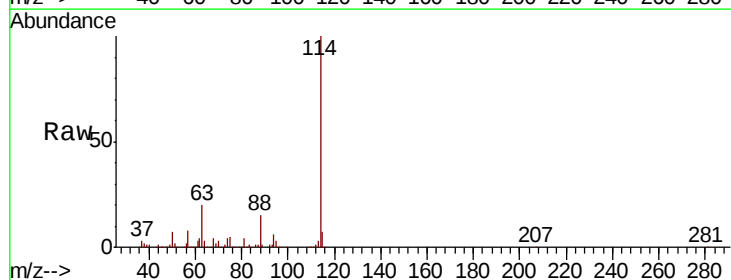
Tgt Ion: 114 Resp: 749413

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

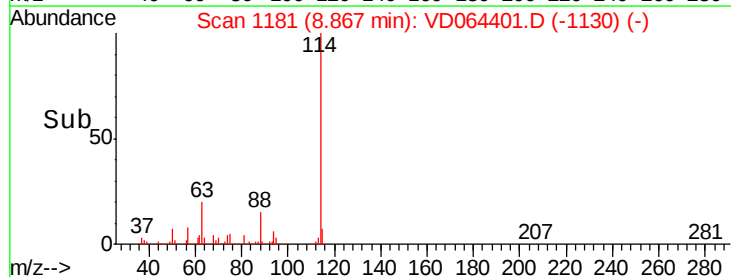
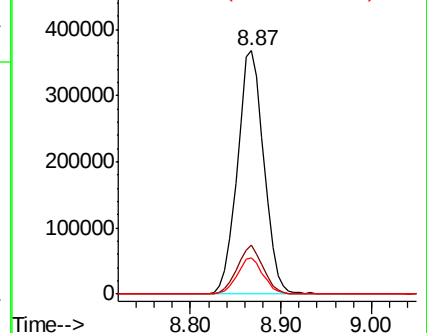
88 14.7 0.0 29.2

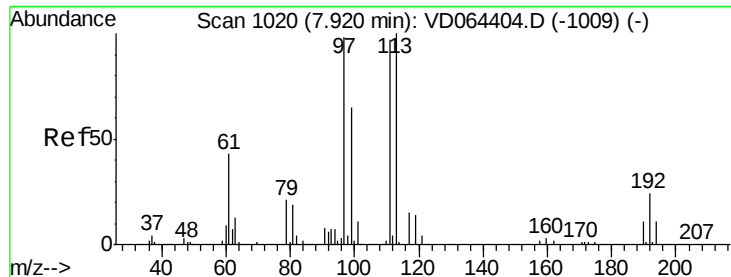


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

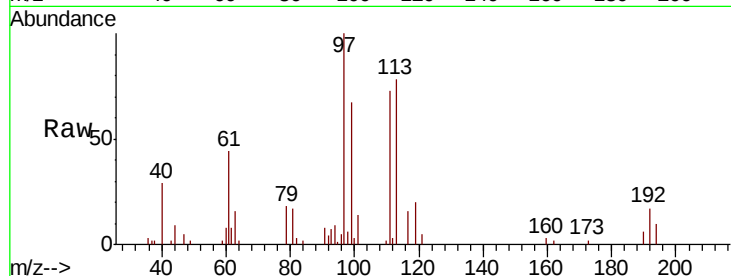




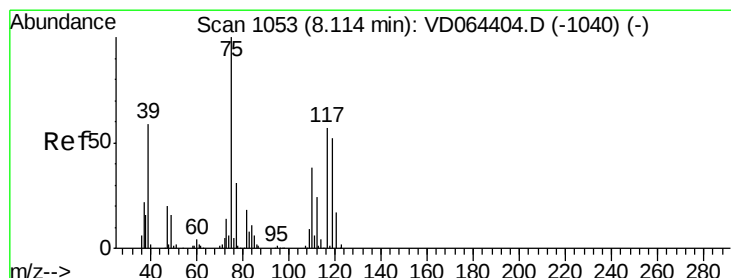
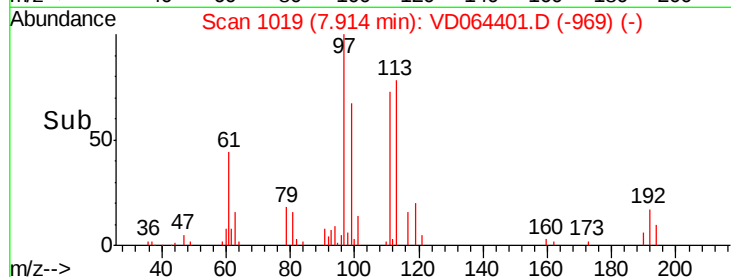
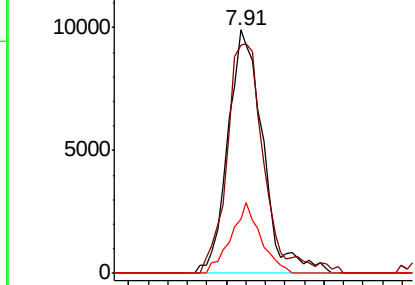
#35
 Dibromofluoromethane
 Concen: 5.746 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 24687
 Ion Ratio Lower Upper
 113 100
 111 99.7 79.4 119.2
 192 24.4 18.6 28.0

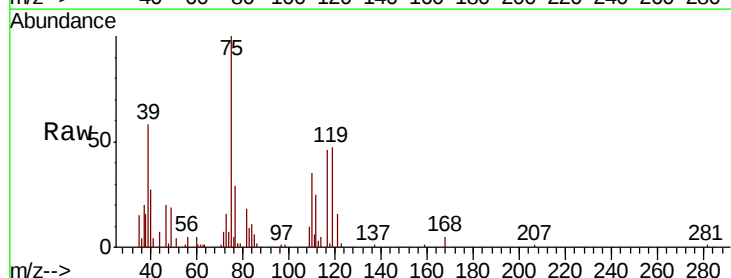


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

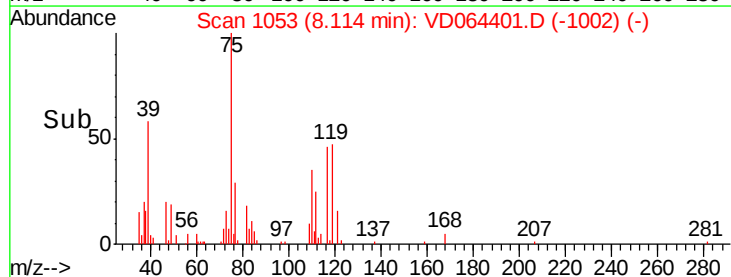
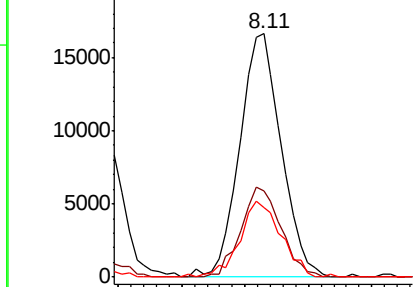


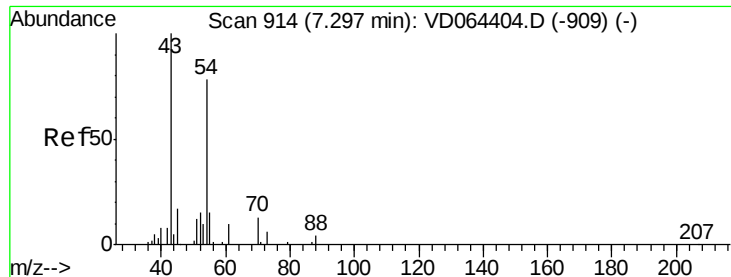
#36
 1,1-Dichloropropene
 Concen: 5.504 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion: 75 Resp: 37793
 Ion Ratio Lower Upper
 75 100
 110 35.7 18.6 55.8
 77 31.1 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

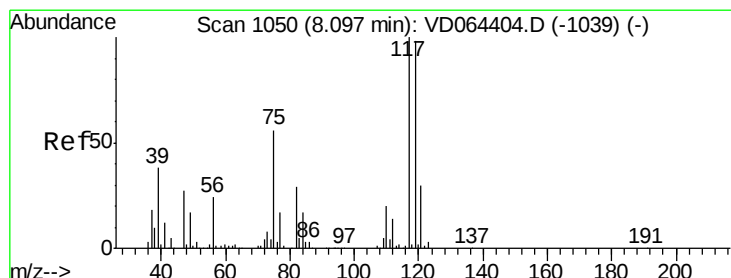
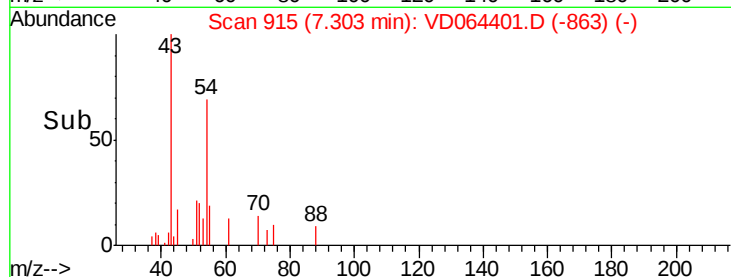
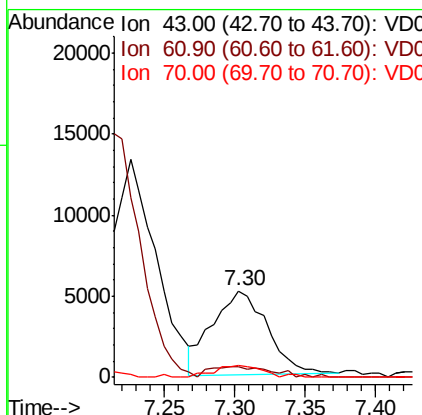
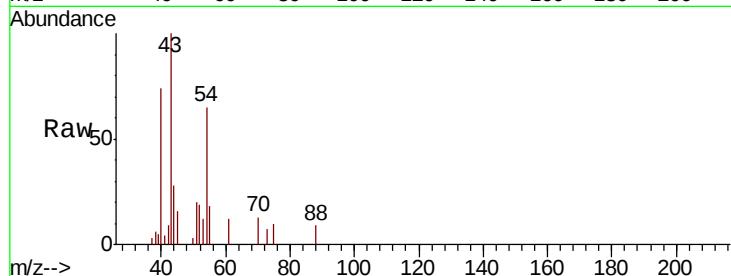




#37
Ethyl Acetate
Concen: 4.818 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

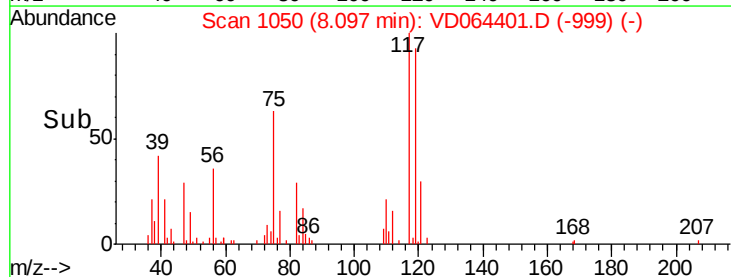
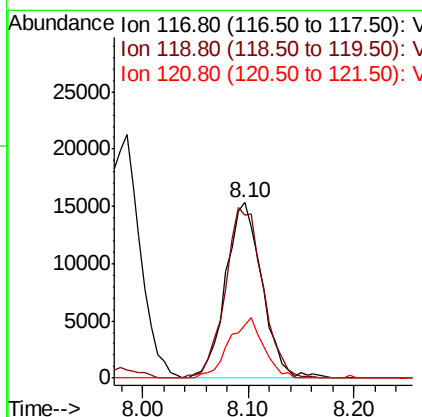
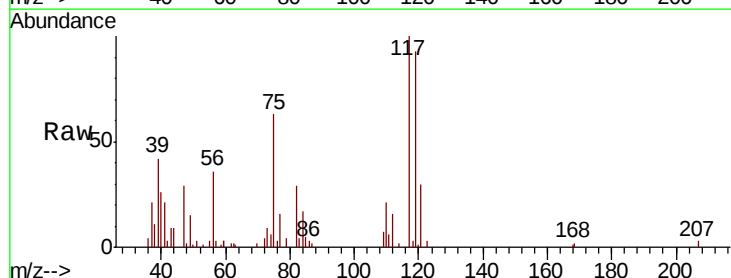
Instrument :
MSVOA_D
ClientSampleId :

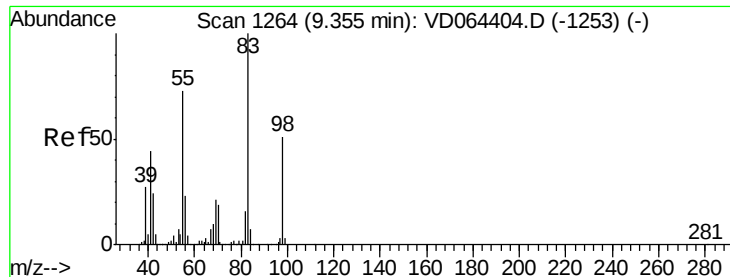
Tot Ion: 43 Resp: 14084
Ion Ratio Lower Upper
43 100
61 14.8 10.9 16.3
70 12.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 4.965 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 117 Resp: 36618
Ion Ratio Lower Upper
117 100
119 93.1 78.8 118.2
121 29.8 24.2 36.2

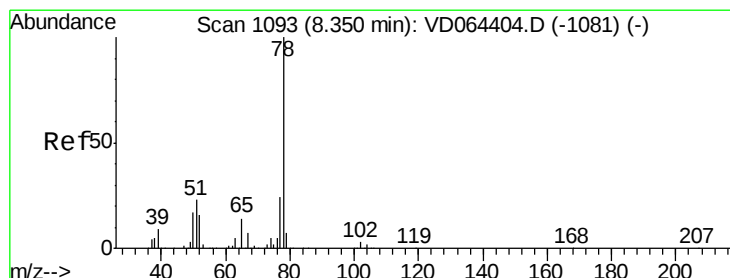
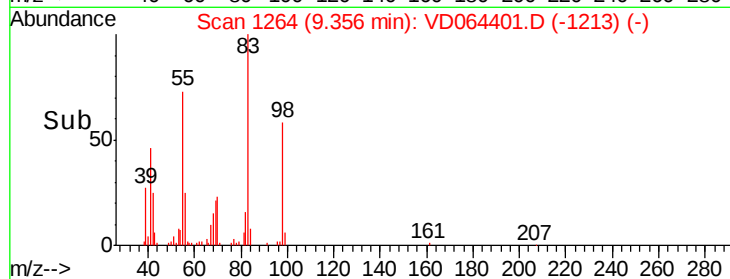
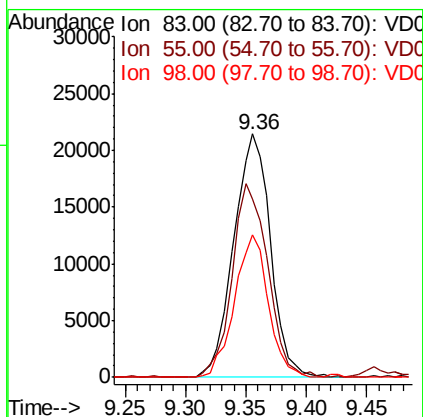
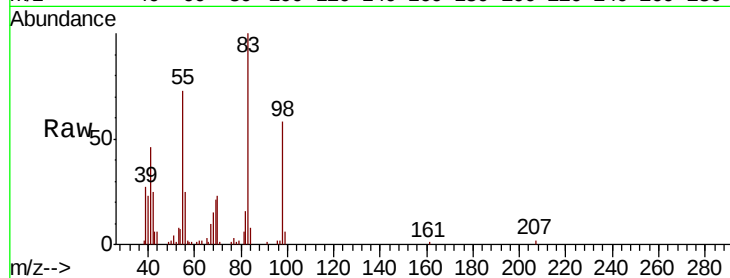




#39
Methvlcvclohexane
Concen: 5.194 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

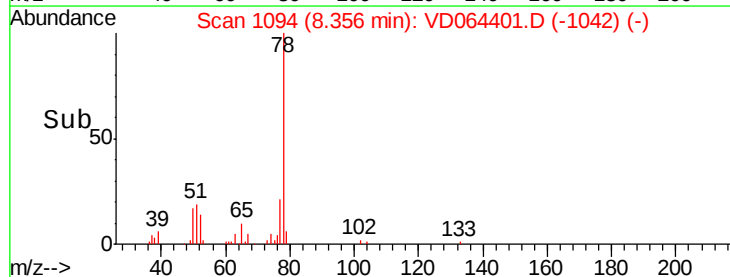
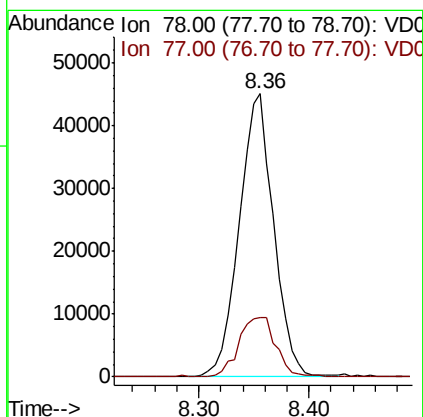
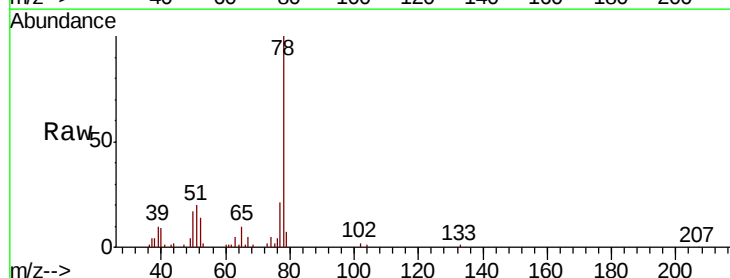
Instrument :
MSVOA_D
ClientSampleId :

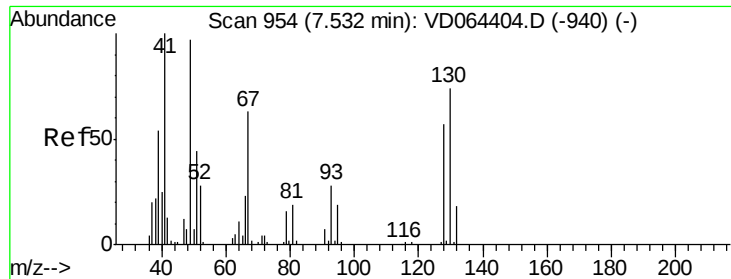
Tot Ion: 83 Resp: 45385
Ion Ratio Lower Upper
83 100
55 73.1 58.6 87.8
98 58.3 40.9 61.3



#40
Benzene
Concen: 5.214 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 78 Resp: 98580
Ion Ratio Lower Upper
78 100
77 21.2 19.6 29.4

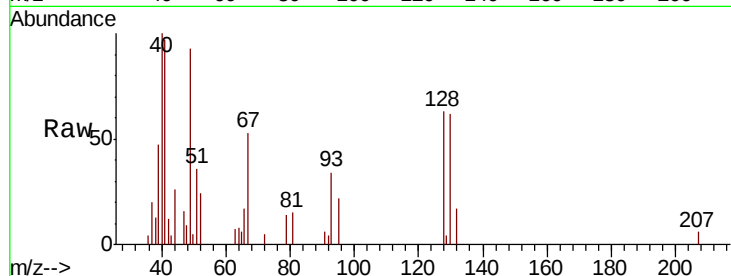




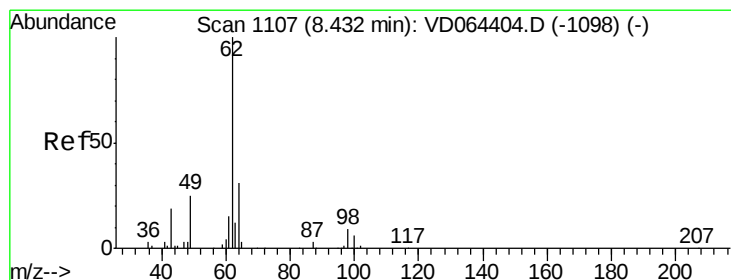
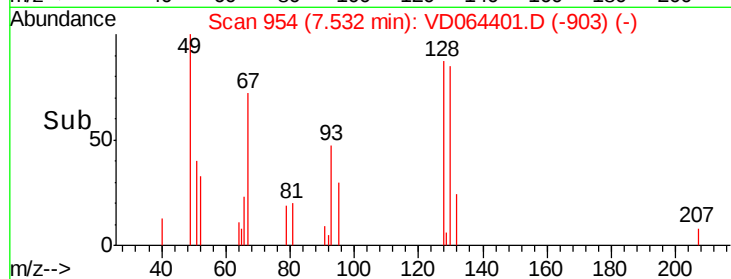
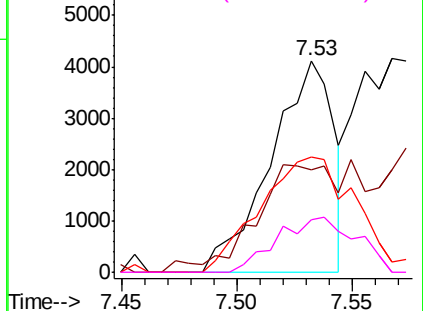
#41
Methacrylonitrile
Concen: 4.279 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 7836
Ion Ratio Lower Upper
41 100
39 64.2 44.6 67.0
67 81.3 50.9 76.3#
52 32.5 22.5 33.7

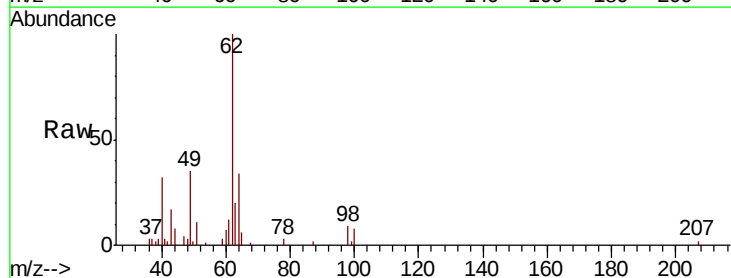


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

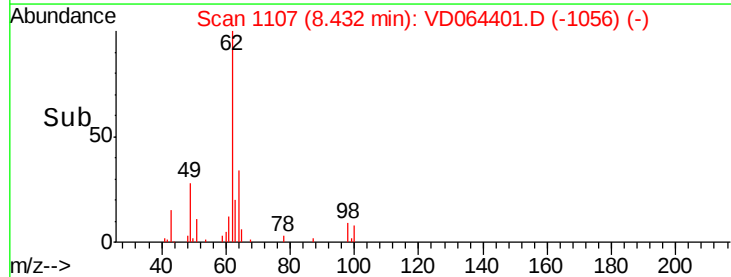
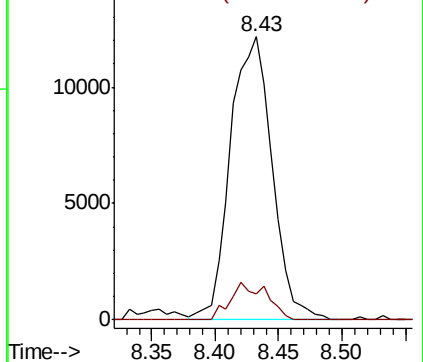


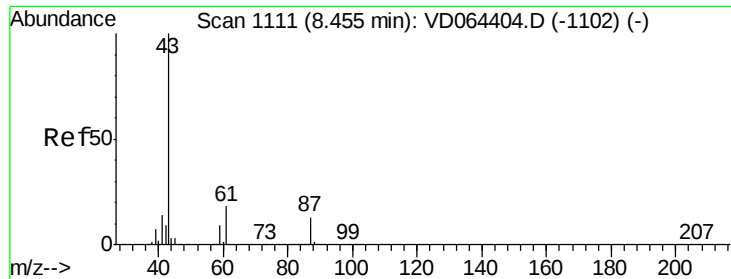
#42
1,2-Dichloroethane
Concen: 4.918 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 62 Resp: 27816
Ion Ratio Lower Upper
62 100
98 11.6 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 4.698 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

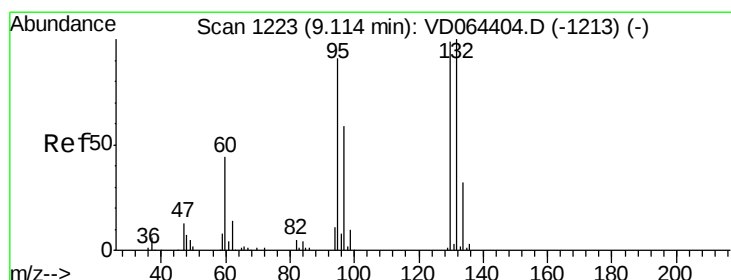
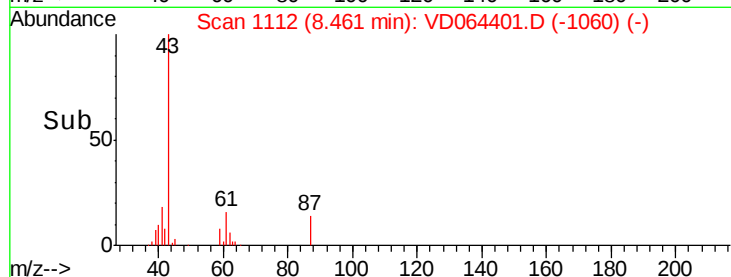
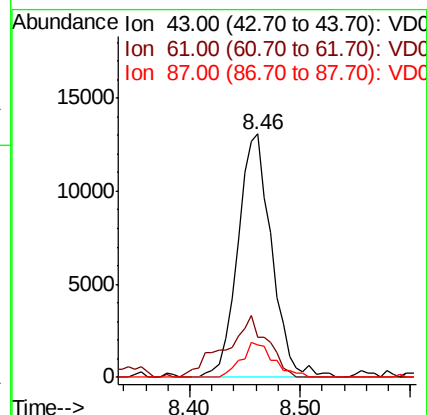
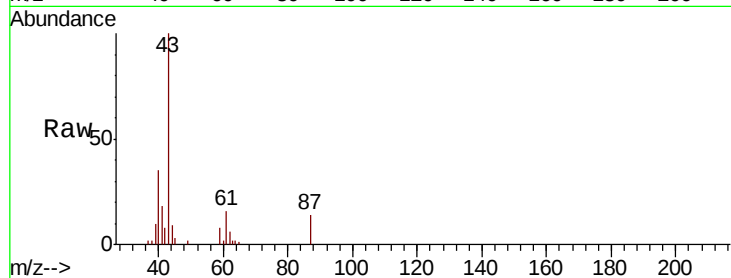
Tot Ion: 43 Resp: 28086

Ion Ratio Lower Upper

43 100

61 31.1 24.0 36.0

87 13.9 10.6 15.8



#44

Trichloroethene

Concen: 5.362 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064401.D

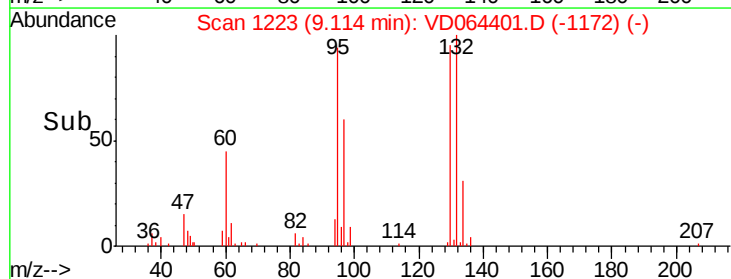
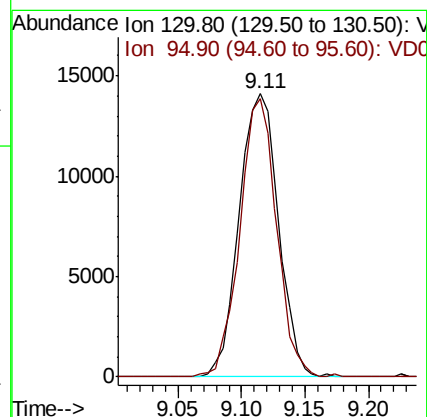
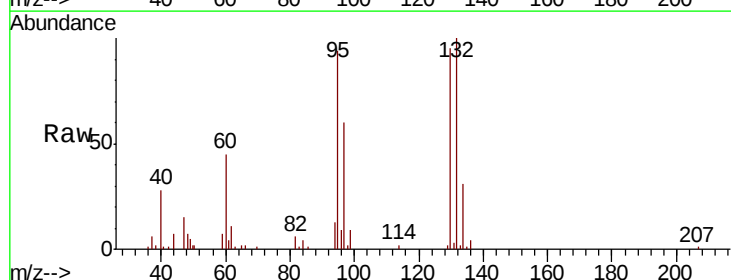
Acq: 27 Nov 2019 17:54

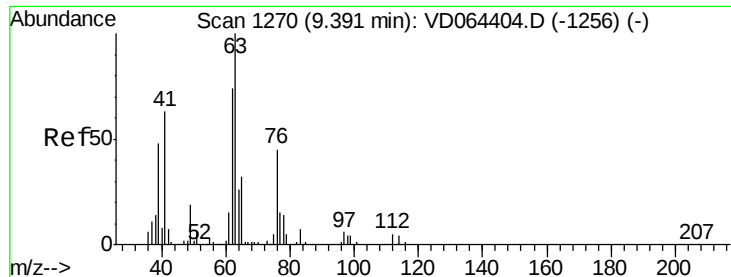
Tgt Ion: 130 Resp: 30337

Ion Ratio Lower Upper

130 100

95 98.5 0.0 184.6





#45

1,2-Dichloropropane

Concen: 5.006 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

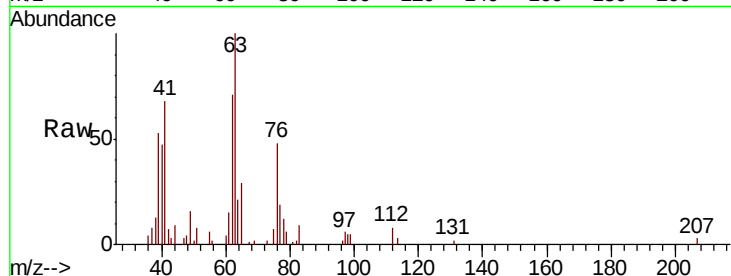
ClientSampleId :

Tot Ion: 63 Resp: 23087

Ion Ratio Lower Upper

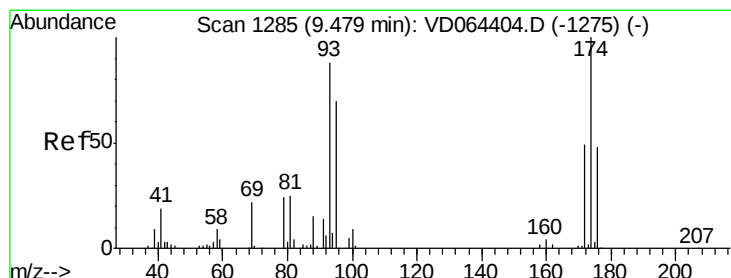
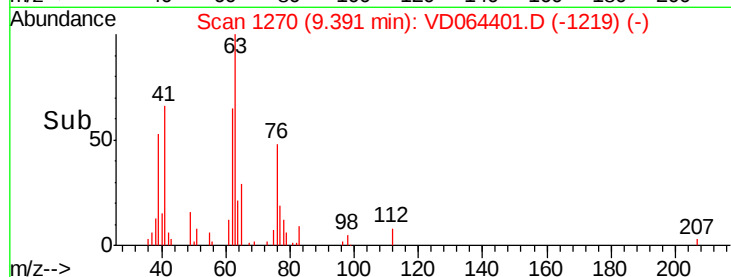
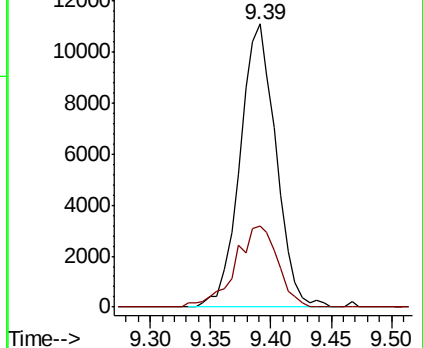
63 100

65 28.6 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.942 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

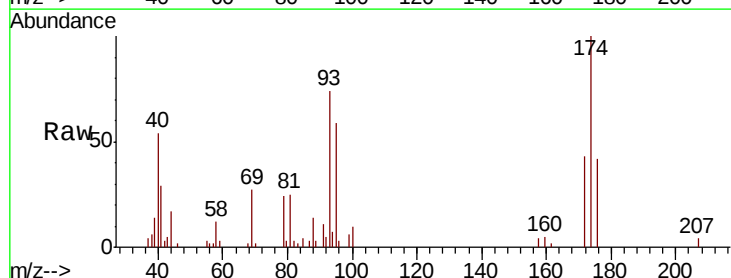
Tgt Ion: 93 Resp: 12290

Ion Ratio Lower Upper

93 100

95 86.1 66.7 100.1

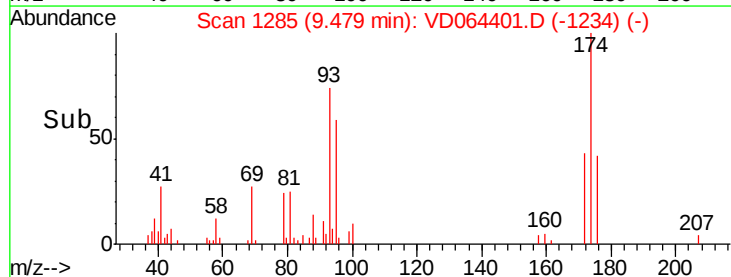
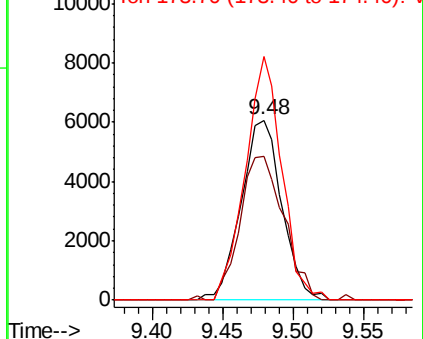
174 121.0 92.3 138.5

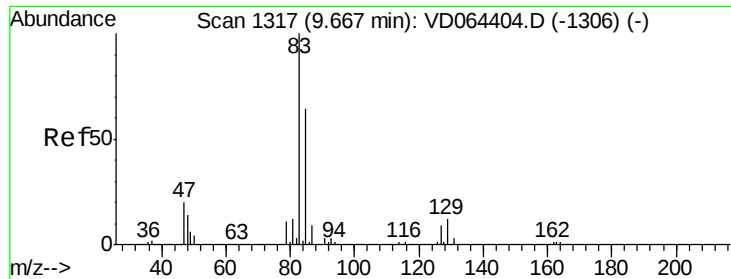


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.848 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

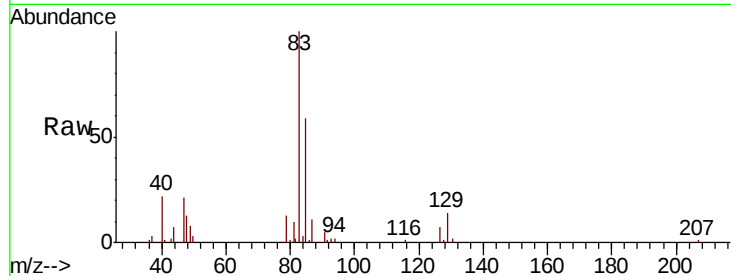
Tot Ion: 83 Resp: 32276

Ion Ratio Lower Upper

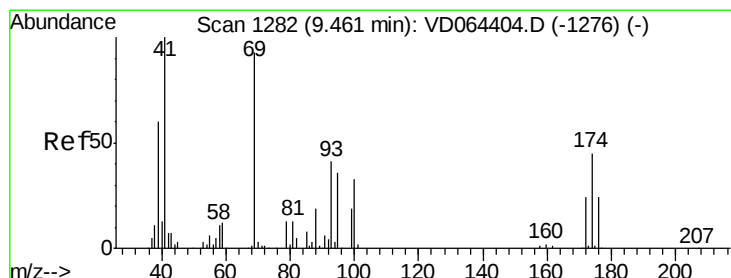
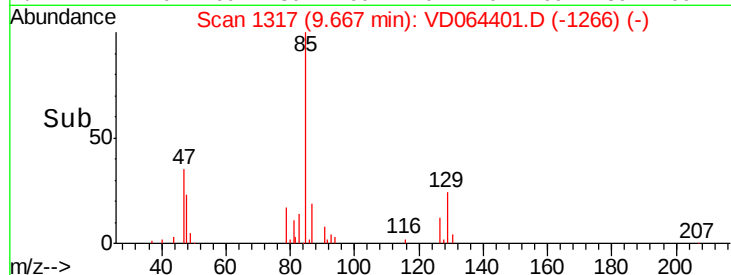
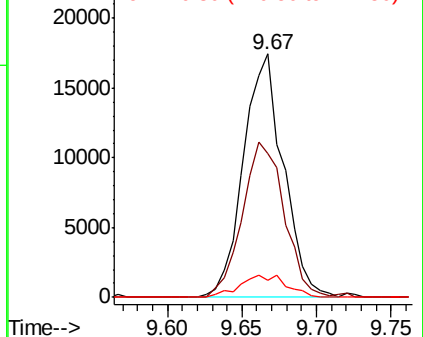
83 100

85 59.0 51.1 76.7

127 7.0 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 4.269 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

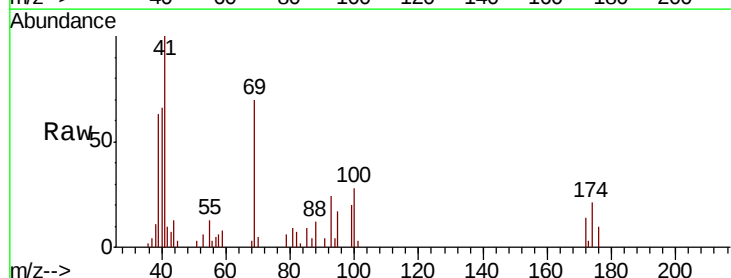
Tgt Ion: 41 Resp: 12383

Ion Ratio Lower Upper

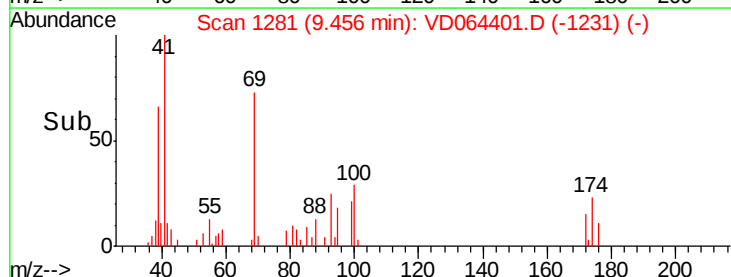
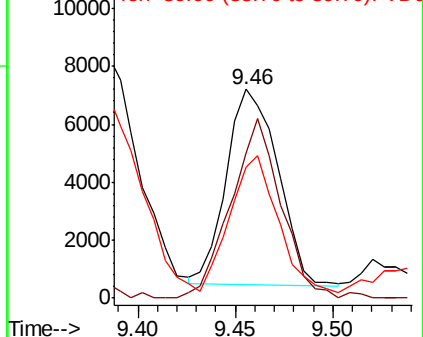
41 100

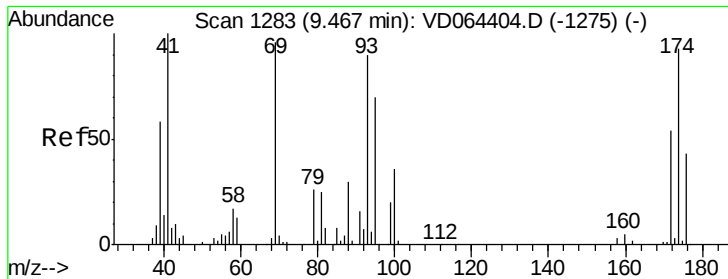
69 88.6 72.0 108.0

39 65.8 55.2 82.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 99.900 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampled :

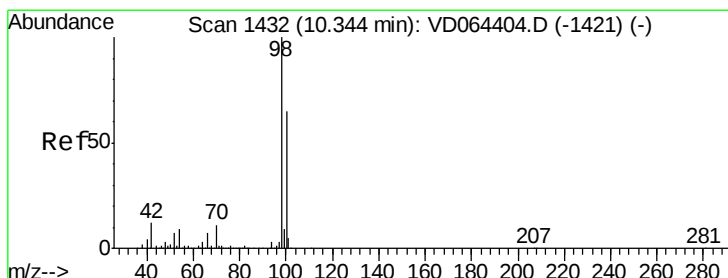
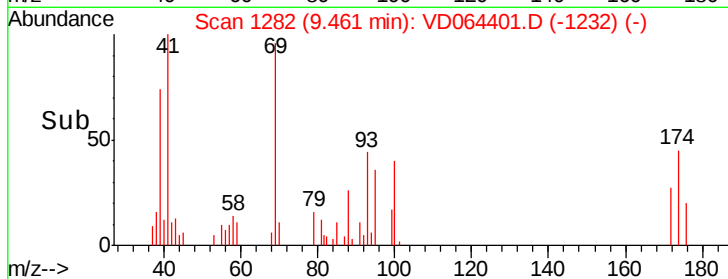
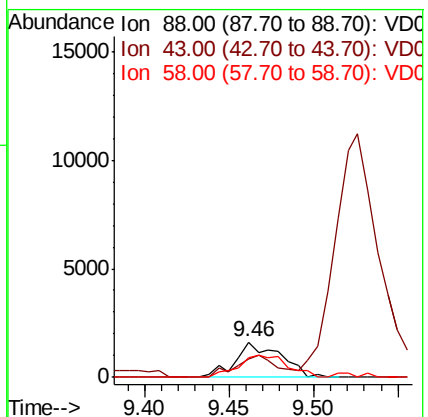
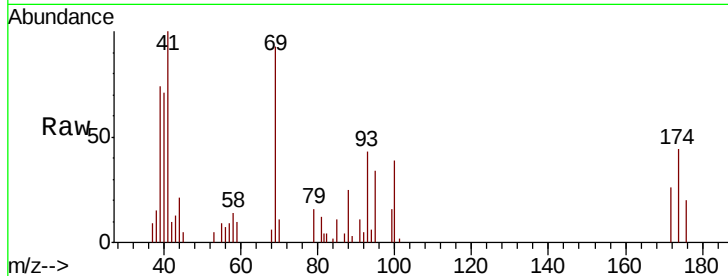
Tot Ion: 88 Resp: 2988

Ion Ratio Lower Upper

88 100

43 58.2 26.7 40.1#

58 69.0 52.3 78.5



#50

Toluene-d8

Concen: 5.576 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064401.D

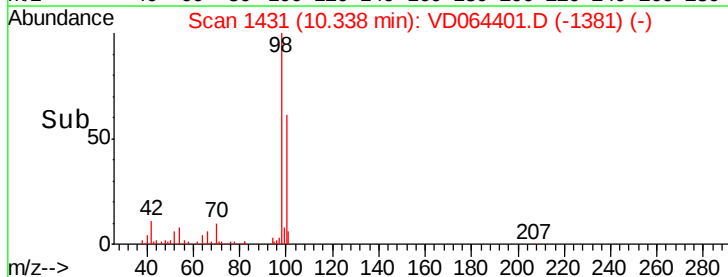
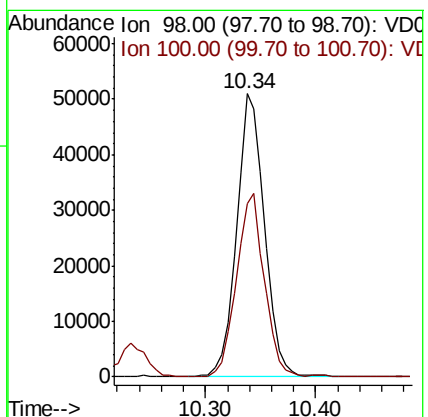
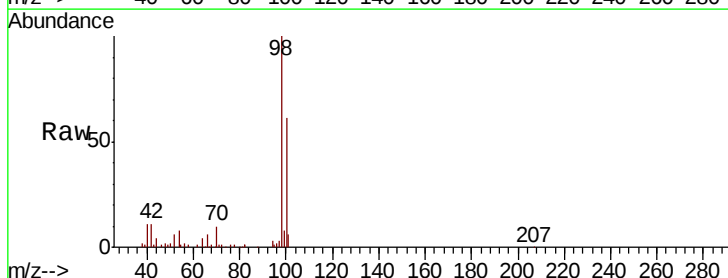
Acq: 27 Nov 2019 17:54

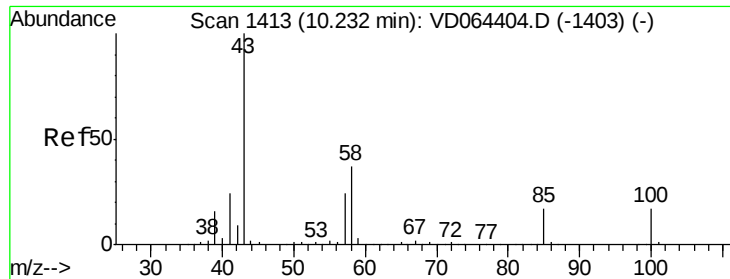
Tgt Ion: 98 Resp: 89983

Ion Ratio Lower Upper

98 100

100 65.0 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 23.005 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

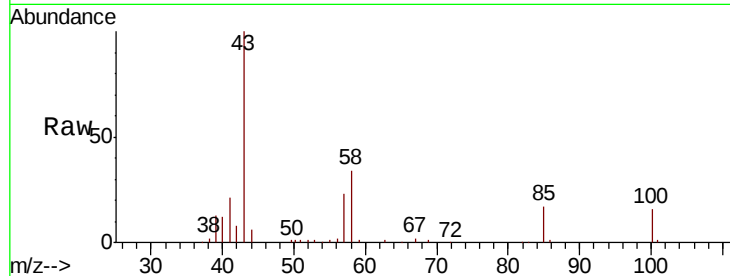
ClientSampleId :

Tot Ion: 43 Resp: 66302

Ion Ratio Lower Upper

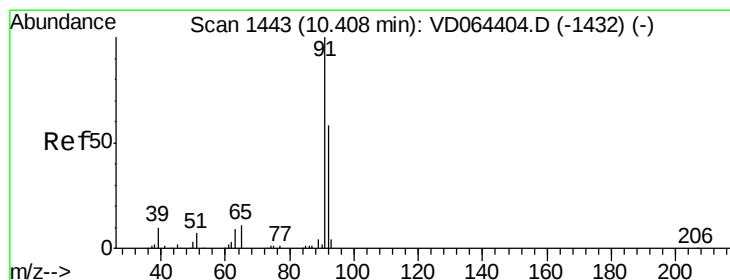
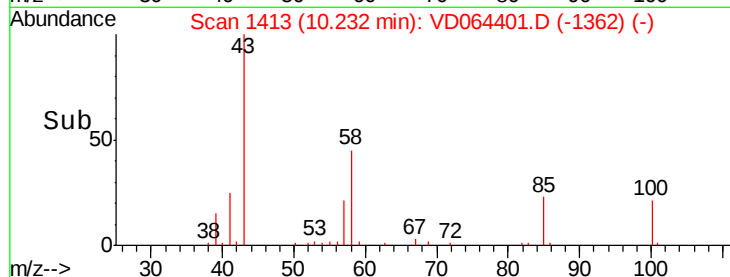
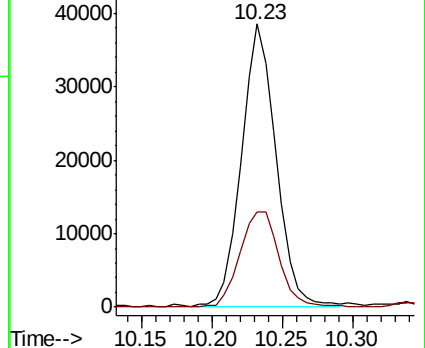
43 100

58 38.1 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 5.039 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064401.D

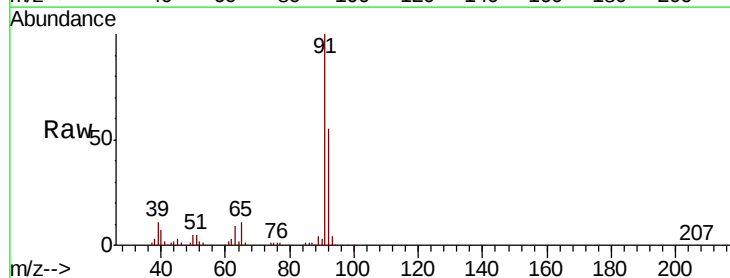
Acq: 27 Nov 2019 17:54

Tgt Ion: 92 Resp: 62498

Ion Ratio Lower Upper

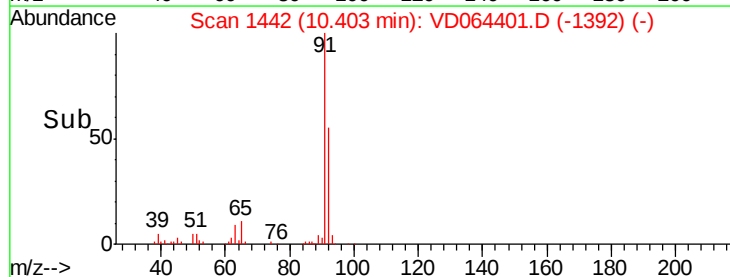
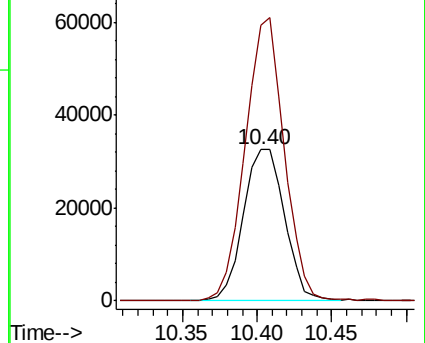
92 100

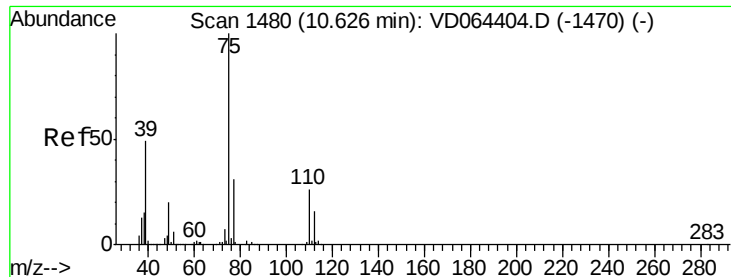
91 177.0 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 4.593 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

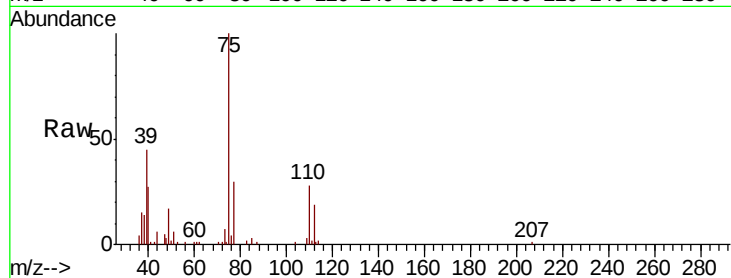
ClientSampleId :

Tot Ion: 75 Resp: 30377

Ion Ratio Lower Upper

75 100

77 29.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

15000

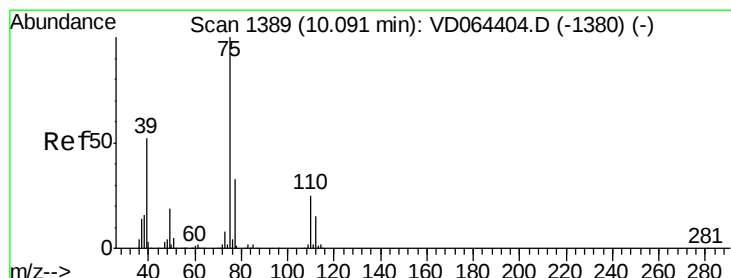
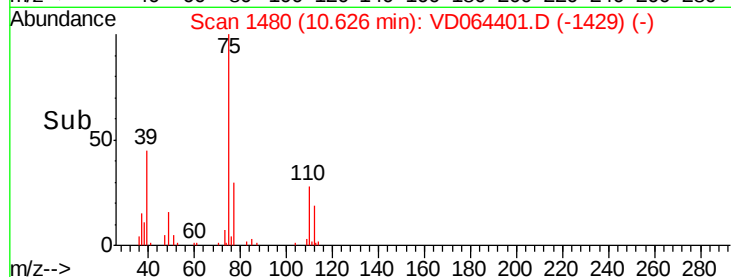
10000

5000

0

Time-->

10.55 10.60 10.65 10.70



#54

cis-1,3-Dichloropropene

Concen: 4.820 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

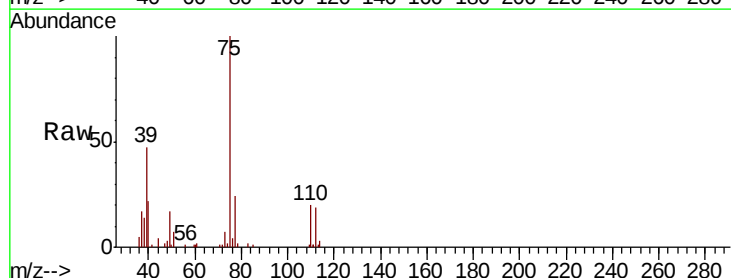
Tgt Ion: 75 Resp: 37271

Ion Ratio Lower Upper

75 100

77 23.9 26.1 39.1#

39 45.9 41.5 62.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

30000

25000

20000

15000

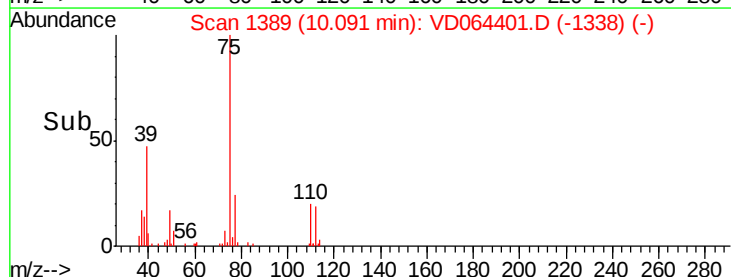
10000

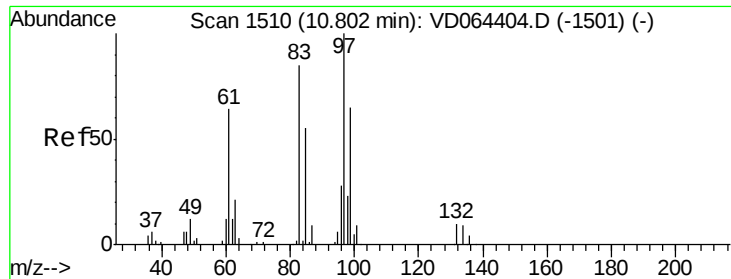
5000

0

Time-->

10.00 10.05 10.10 10.15

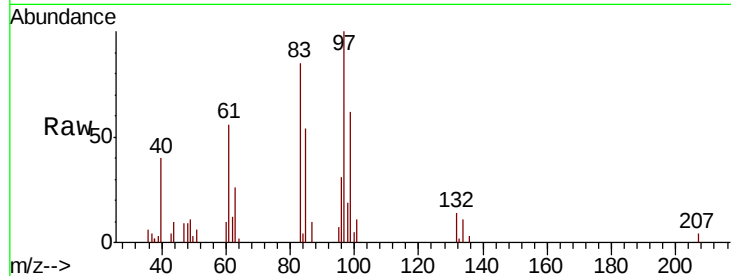




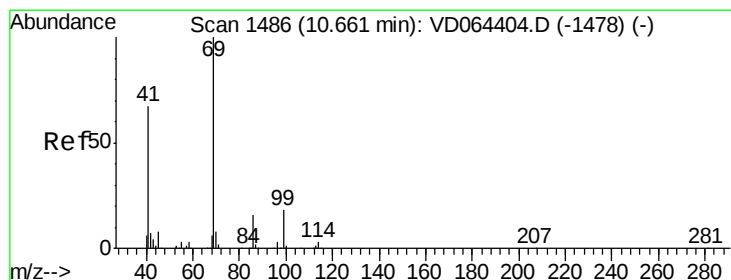
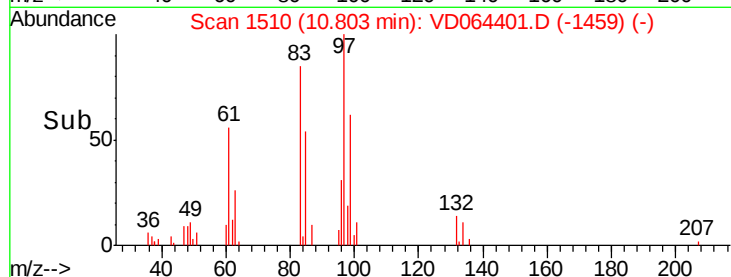
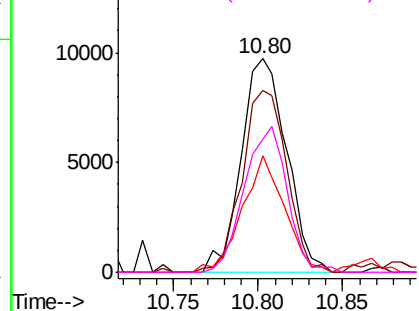
#55
 1,1,2-Trichloroethane
 Concen: 5.391 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	97	Resp	18152
Ion Ratio	Lower	Upper	
97	100		
83	85.0	67.8	101.8
85	54.5	43.7	65.5
99	62.1	51.7	77.5

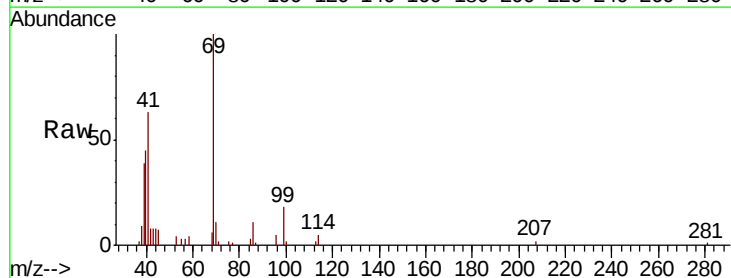


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

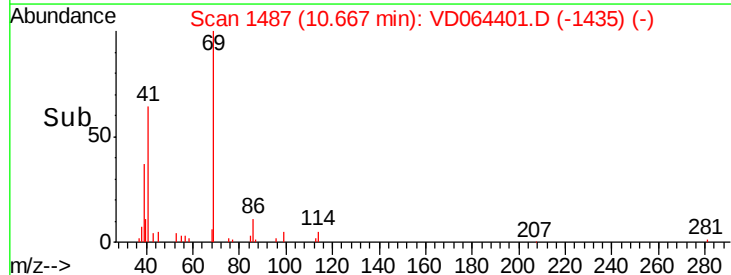
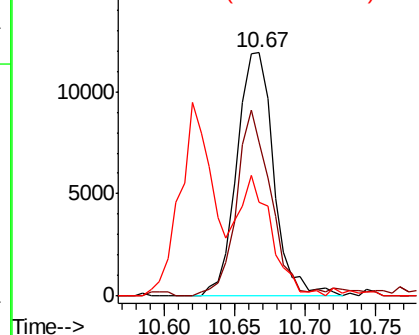


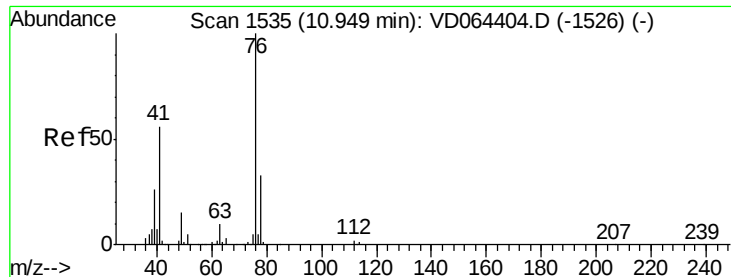
#56
 Ethyl methacrylate
 Concen: 4.671 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion	69	Resp	21781
Ion Ratio	Lower	Upper	
69	100		
41	70.2	55.0	82.4
39	45.8	33.0	49.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 5.088 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

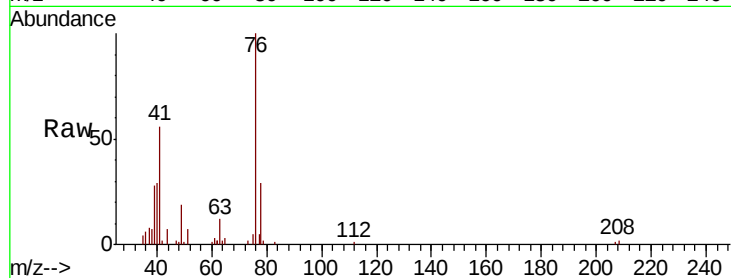
ClientSampleId :

Tot Ion: 76 Resp: 29797

Ion Ratio Lower Upper

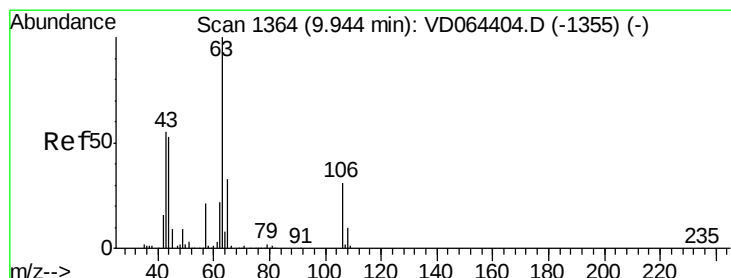
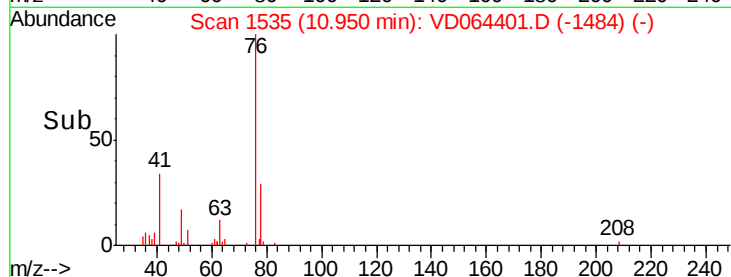
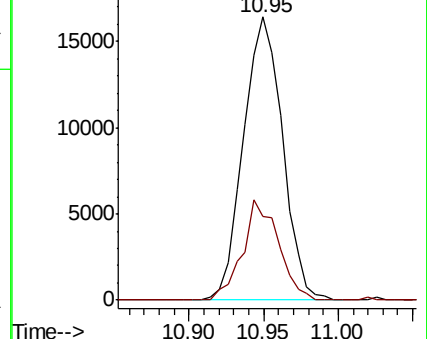
76 100

78 32.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 26.690 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064401.D

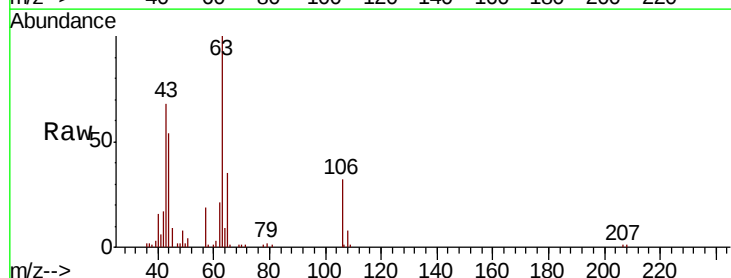
Acq: 27 Nov 2019 17:54

Tgt Ion: 63 Resp: 49582

Ion Ratio Lower Upper

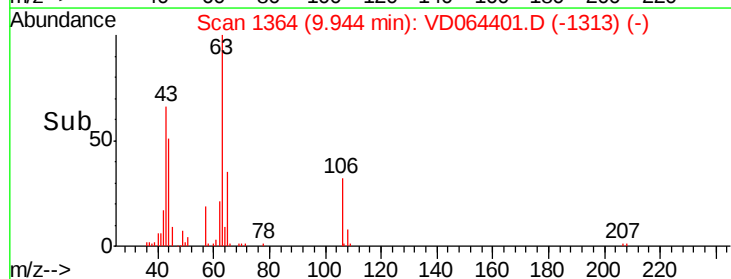
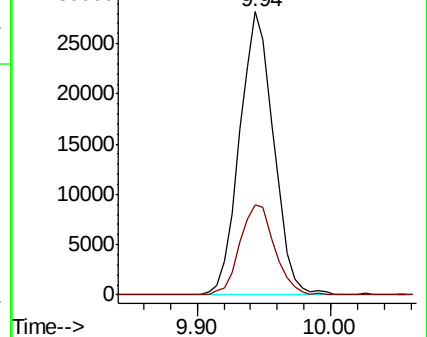
63 100

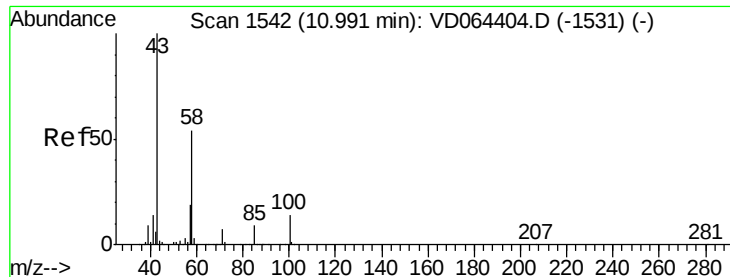
106 32.4 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

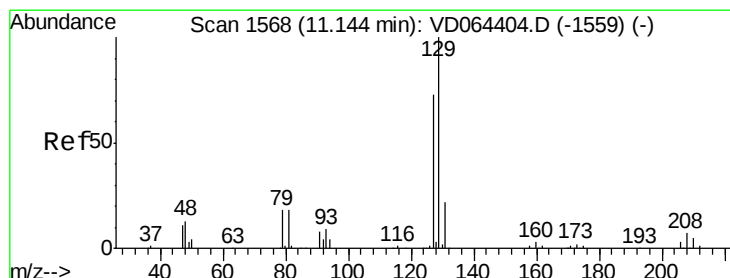
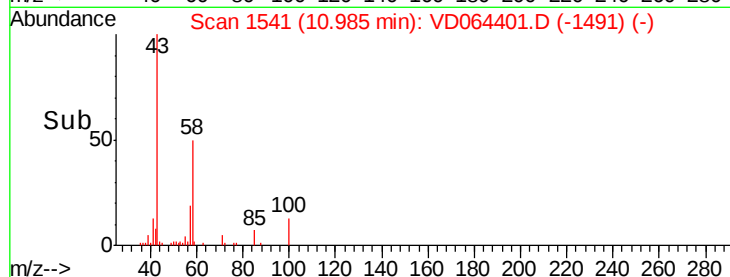
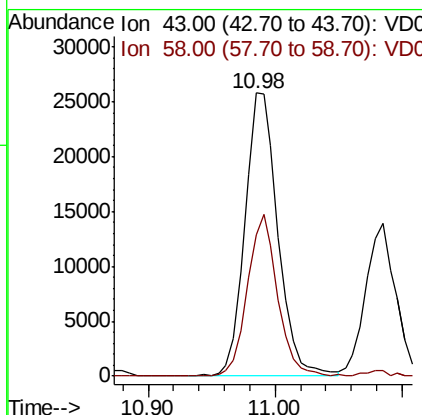
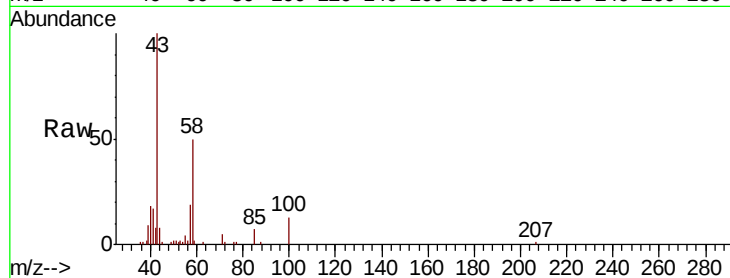




#59
2-Hexanone
Concen: 22.849 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

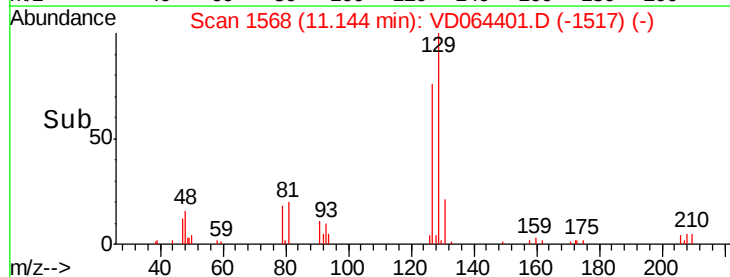
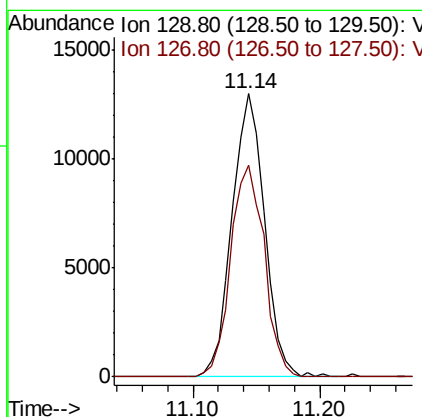
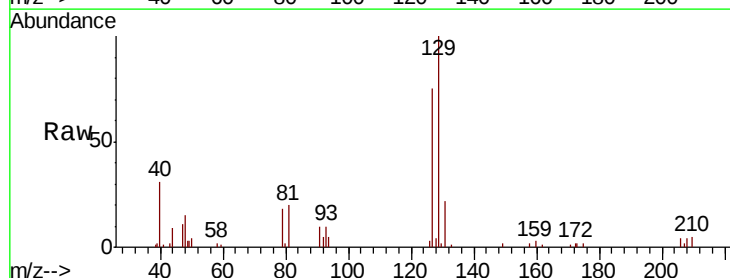
Instrument :
MSVOA_D
ClientSampled :

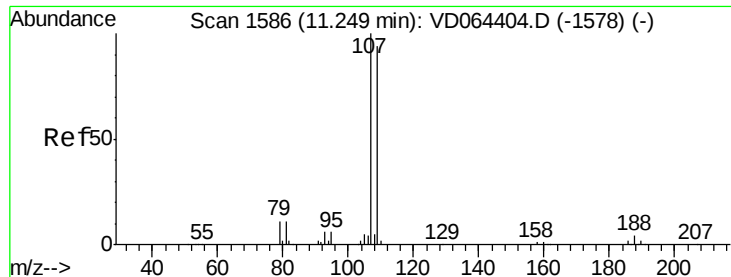
Tot Ion: 43 Resp: 46564
Ion Ratio Lower Upper
43 100
58 52.3 26.3 78.8



#60
Dibromochloromethane
Concen: 4.901 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 129 Resp: 23006
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3

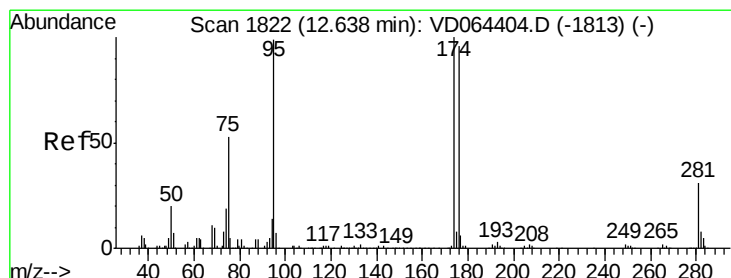
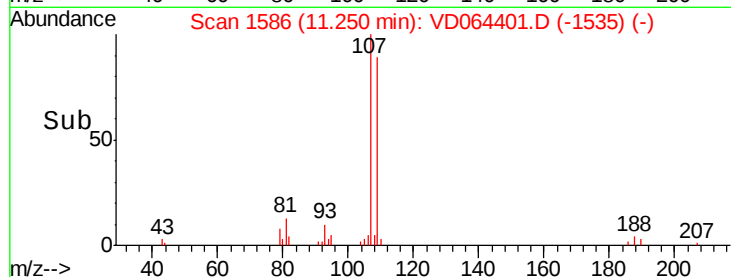
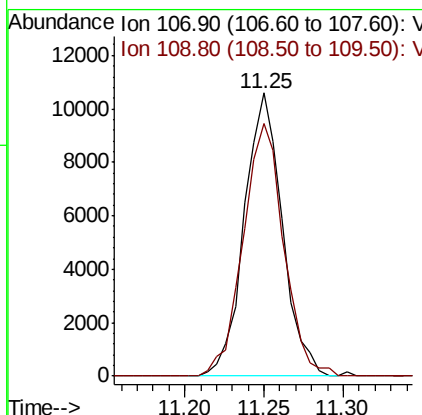
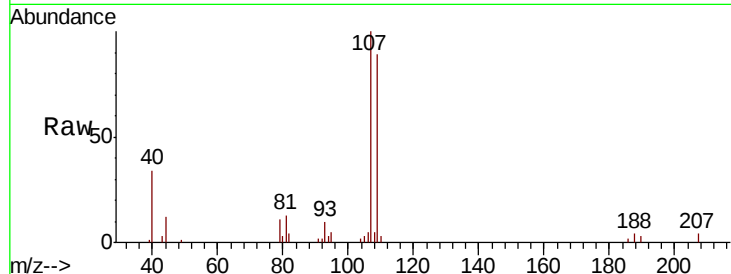




#61
 1,2-Dibromoethane
 Concen: 5.239 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

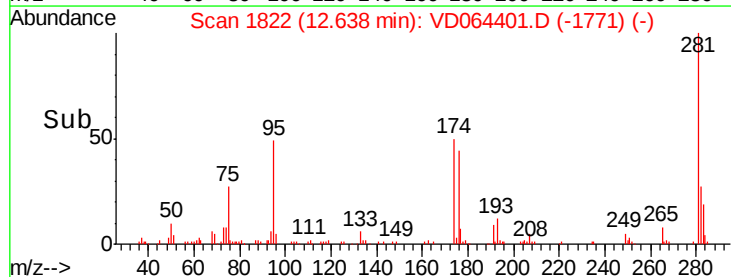
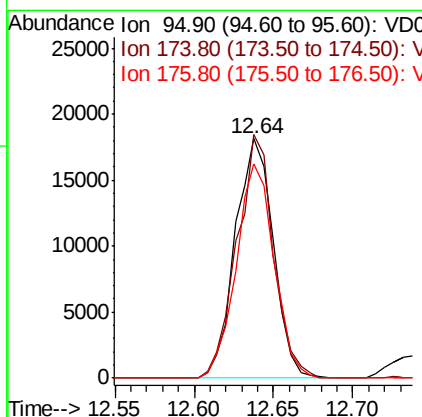
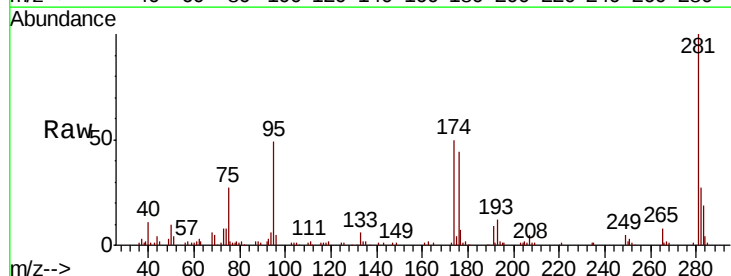
Instrument :
 MSVOA_D
 ClientSampleId :

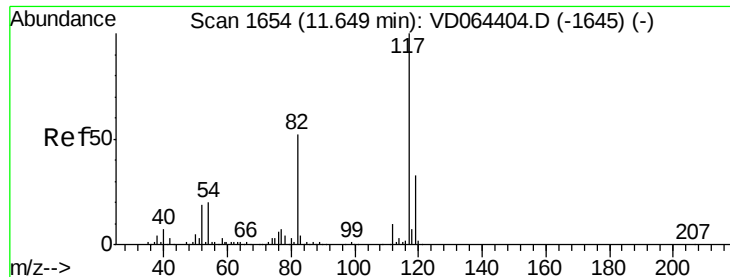
Tot Ion:107 Resp: 17676
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 5.438 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion: 95 Resp: 30068
 Ion Ratio Lower Upper
 95 100
 174 97.8 0.0 197.2
 176 89.7 0.0 189.6

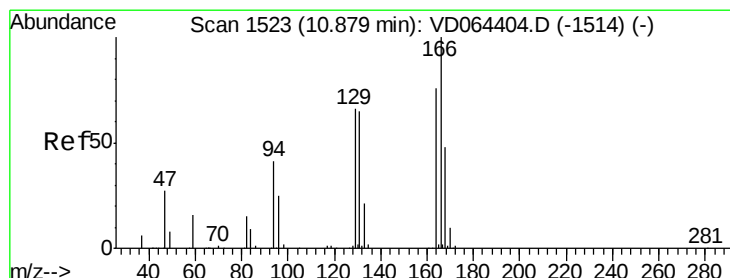
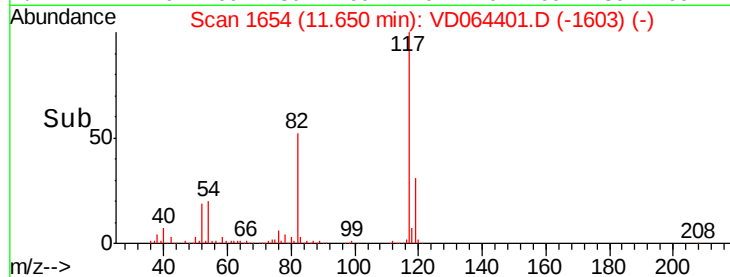
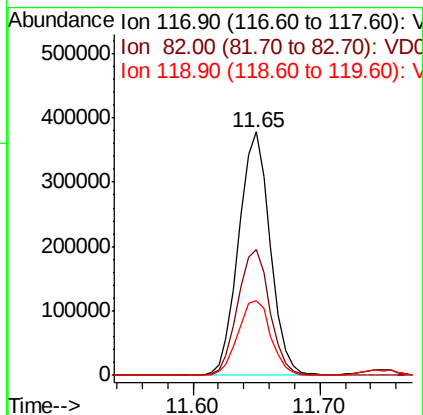
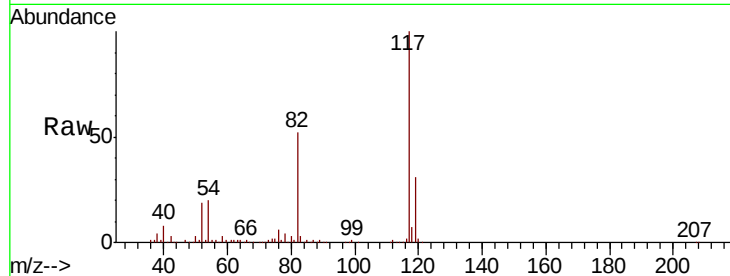




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

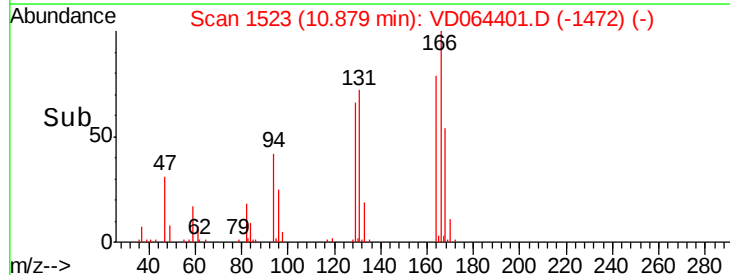
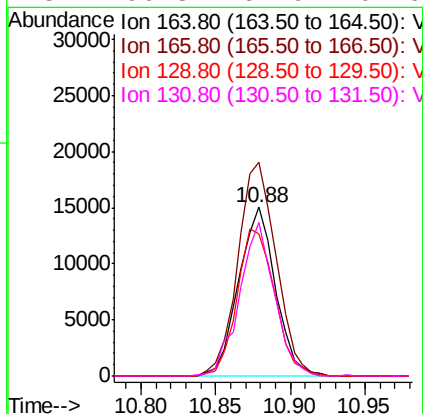
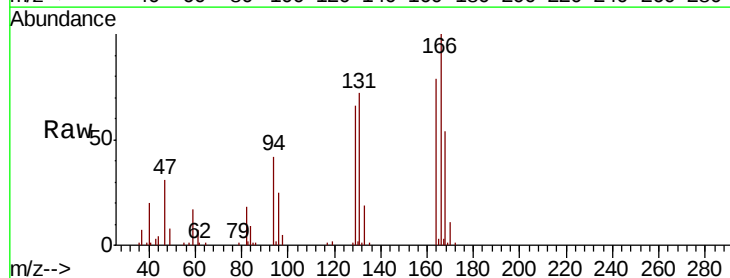
Instrument :
MSVOA_D
ClientSampleId :

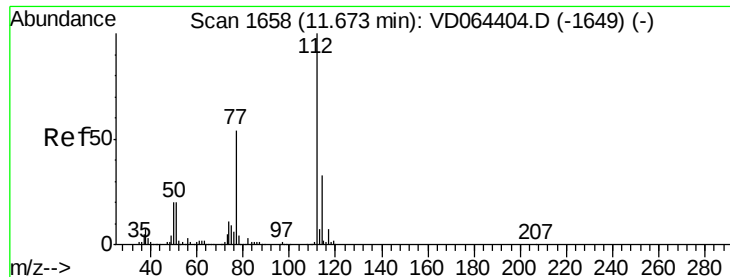
Tot Ion:117 Resp: 651314
Ion Ratio Lower Upper
117 100
82 51.7 41.4 62.2
119 30.8 26.2 39.2



#64
Tetrachloroethene
Concen: 5.155 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion:164 Resp: 25628
Ion Ratio Lower Upper
164 100
166 126.4 104.8 157.2
129 84.0 68.7 103.1
131 90.8 67.9 101.9

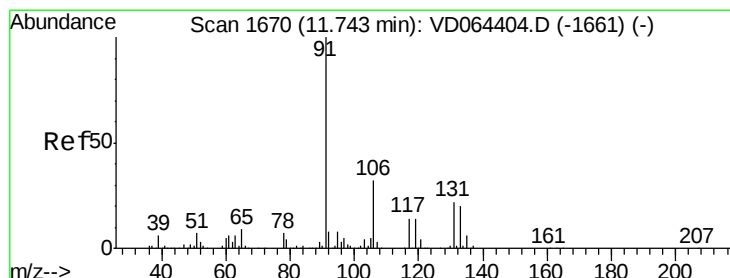
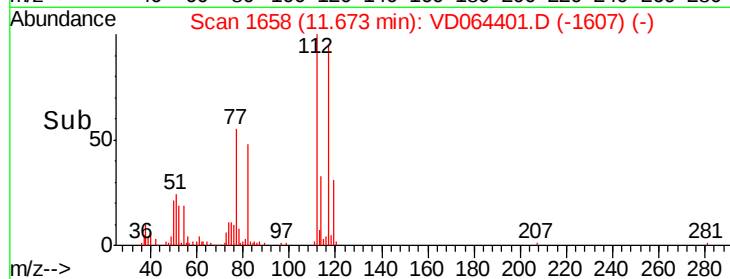
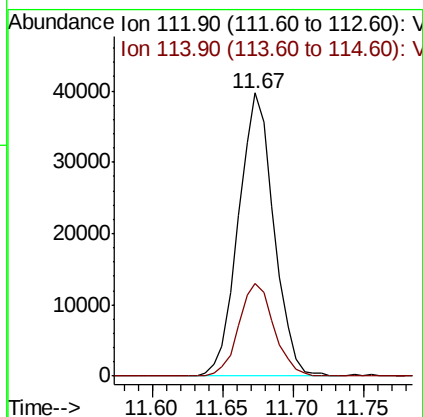
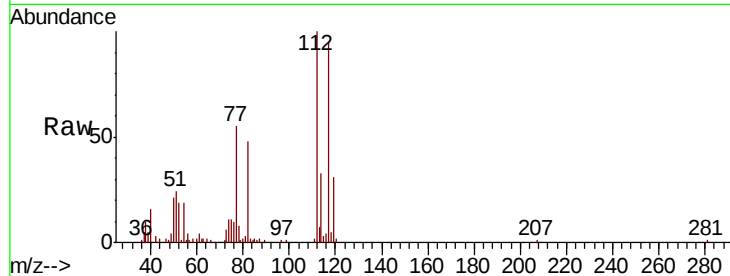




#65
Chlorobenzene
Concen: 5.259 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

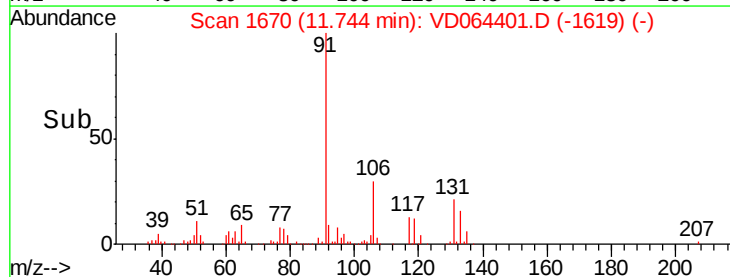
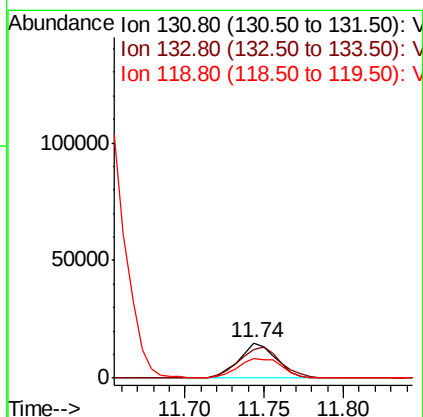
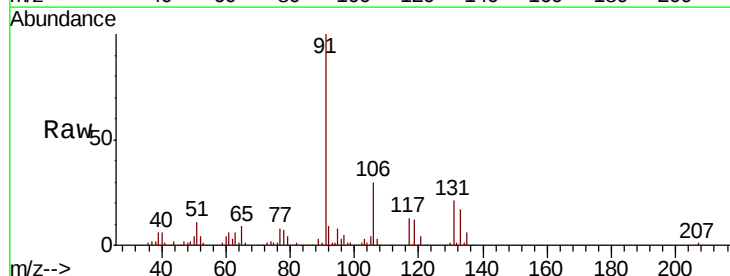
Instrument :
MSVOA_D
ClientSampleId :

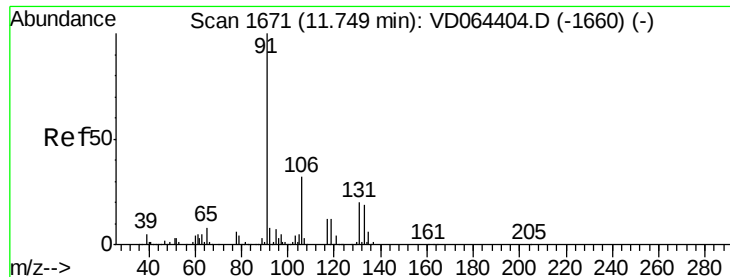
Tot Ion:112 Resp: 69518
Ion Ratio Lower Upper
112 100
114 32.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 4.793 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion:131 Resp: 24072
Ion Ratio Lower Upper
131 100
133 101.1 48.3 144.9
119 65.7 31.9 95.9





#67

Ethyl Benzene

Concen: 5.220 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

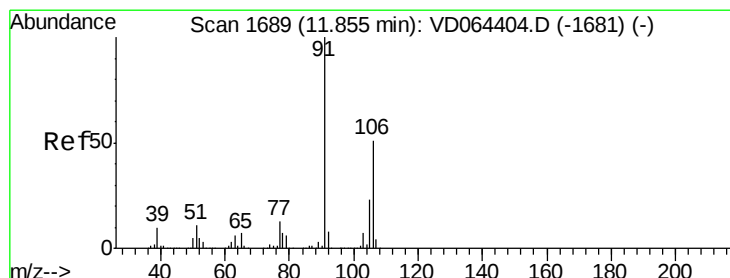
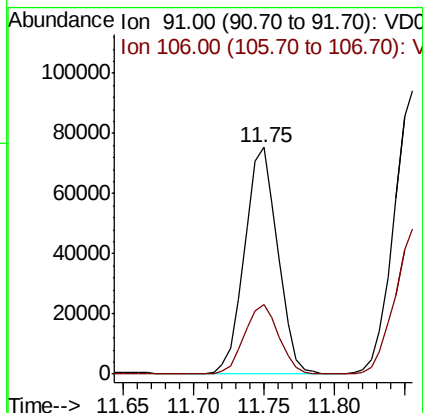
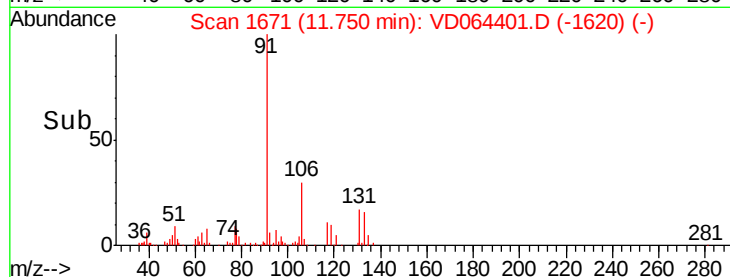
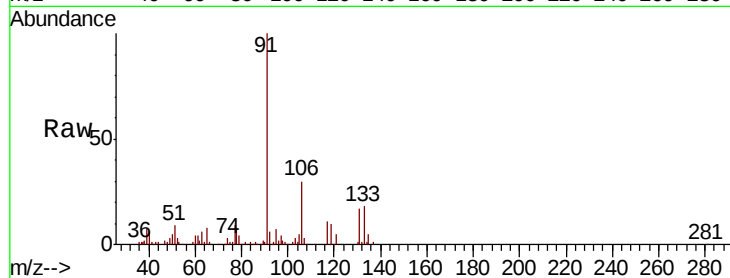
ClientSampleId :

Tot Ion: 91 Resp: 124537

Ion Ratio Lower Upper

91 100

106 30.5 25.8 38.8



#68

m/p-Xylenes

Concen: 9.927 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064401.D

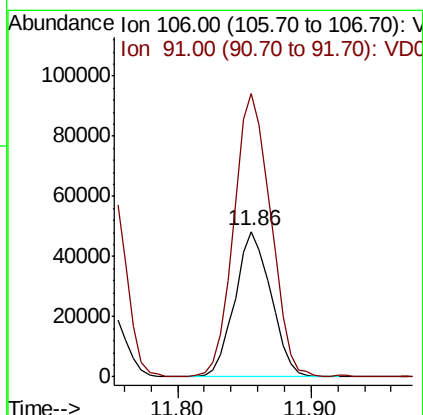
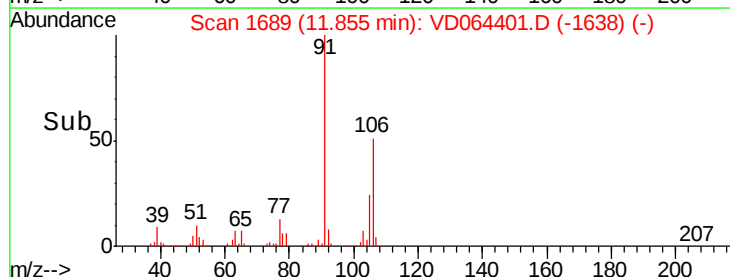
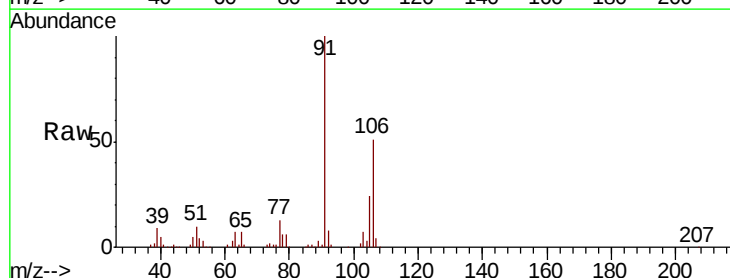
Acq: 27 Nov 2019 17:54

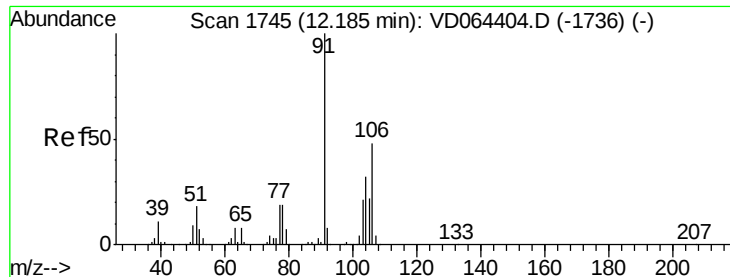
Tgt Ion: 106 Resp: 90726

Ion Ratio Lower Upper

106 100

91 198.9 157.4 236.2

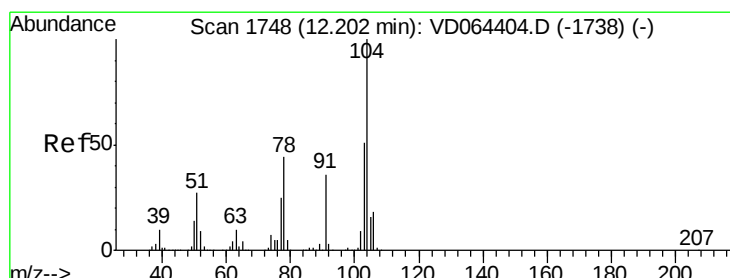
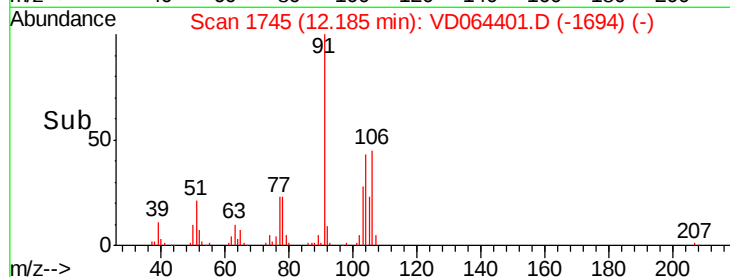
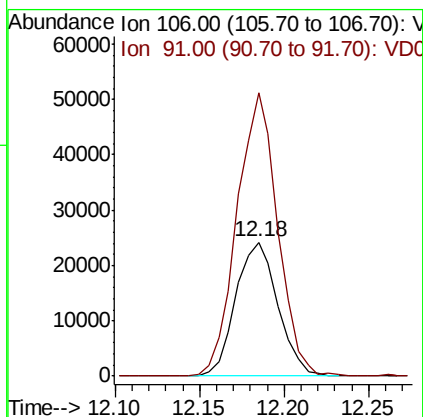
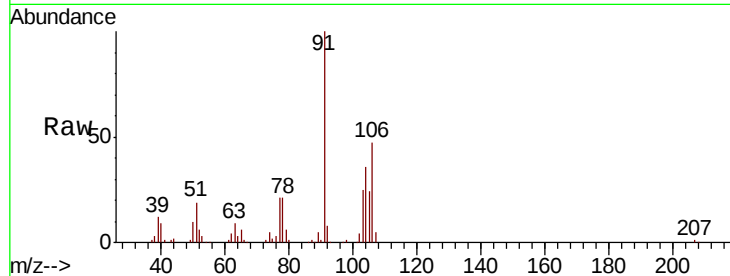




#69
o-Xylene
Concen: 4.926 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

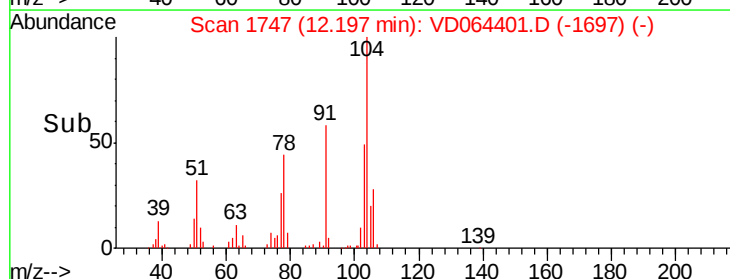
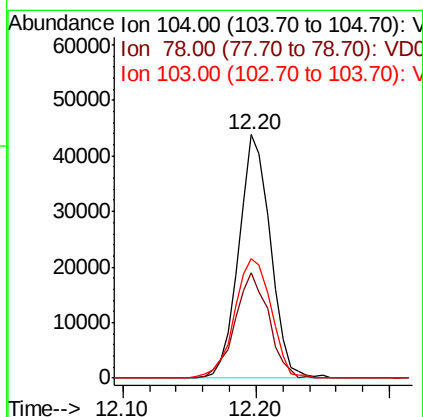
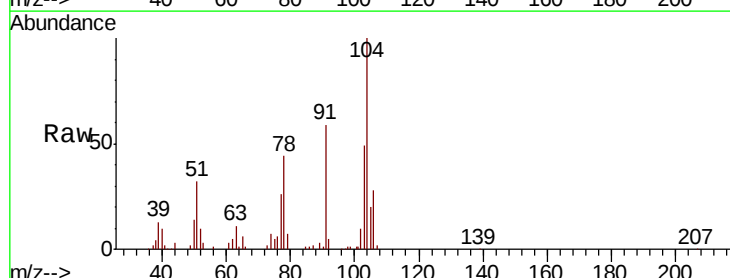
Instrument :
MSVOA_D
ClientSampled :

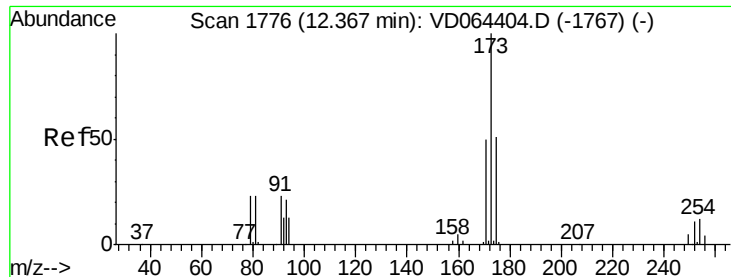
Tot Ion:106 Resp: 41753
Ion Ratio Lower Upper
106 100
91 205.3 103.8 311.4



#70
Styrene
Concen: 4.866 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion:104 Resp: 71882
Ion Ratio Lower Upper
104 100
78 46.4 38.8 58.2
103 56.9 44.2 66.4





#71

Bromoform

Concen: 5.092 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

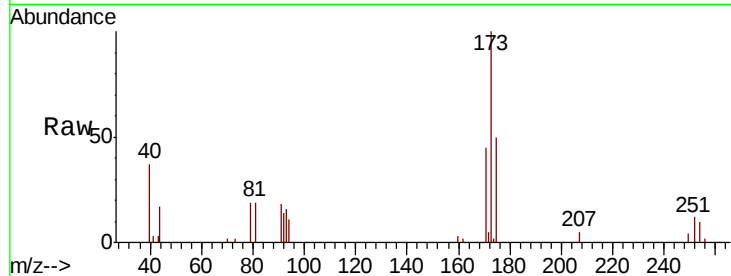
Tot Ion:173 Resp: 14597

Ion Ratio Lower Upper

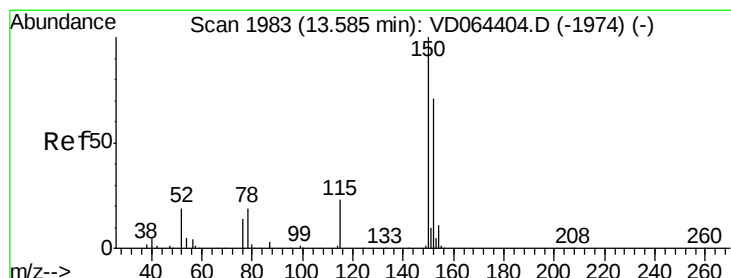
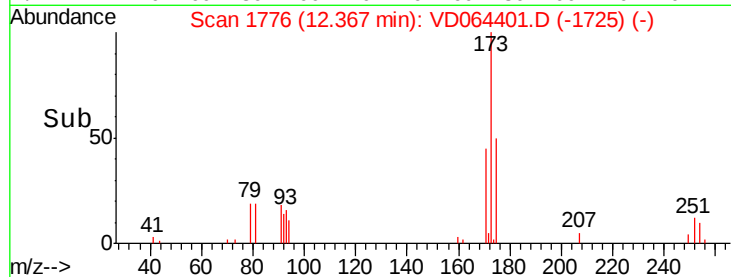
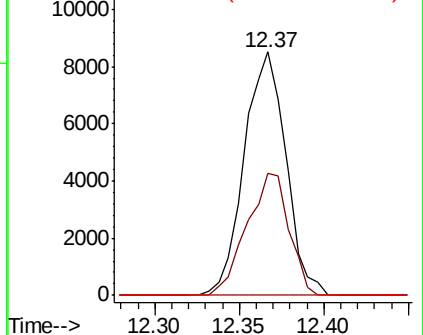
173 100

175 50.7 25.3 75.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

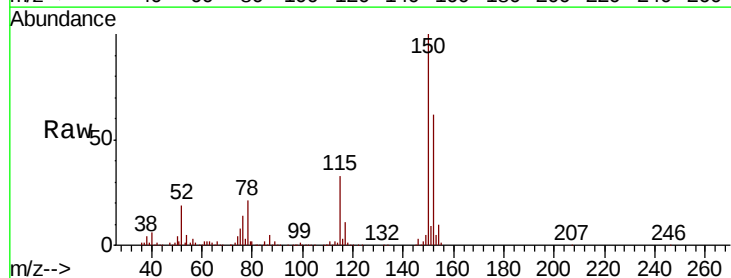
Tgt Ion:152 Resp: 316895

Ion Ratio Lower Upper

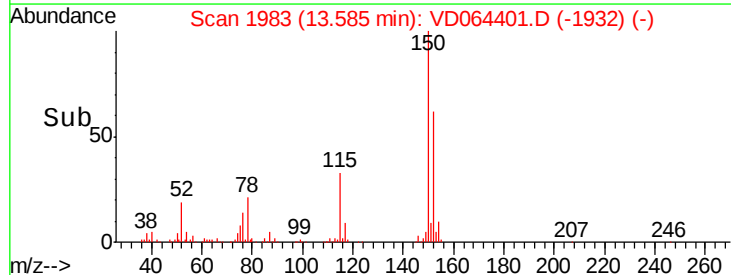
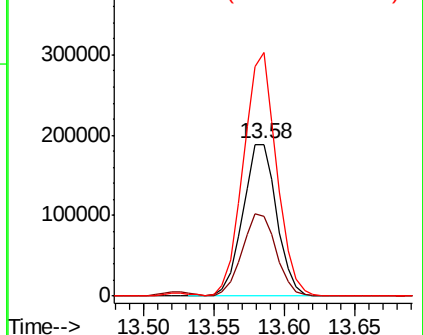
152 100

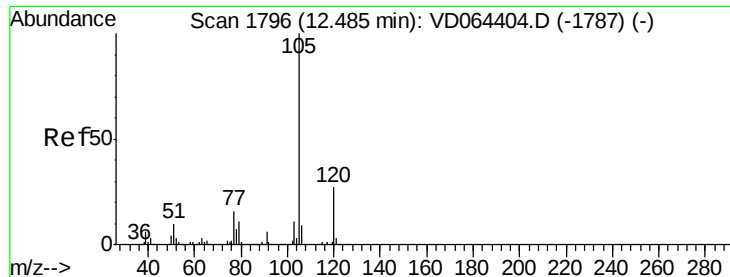
115 54.4 26.7 80.1

150 157.0 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.033 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

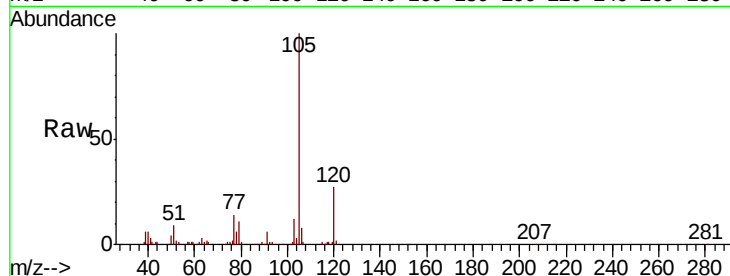
ClientSampleId :

Tot Ion:105 Resp: 116148

Ion Ratio Lower Upper

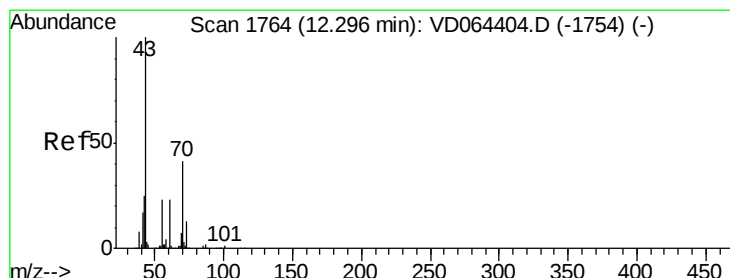
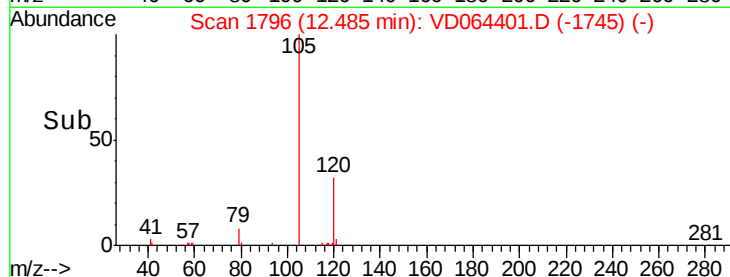
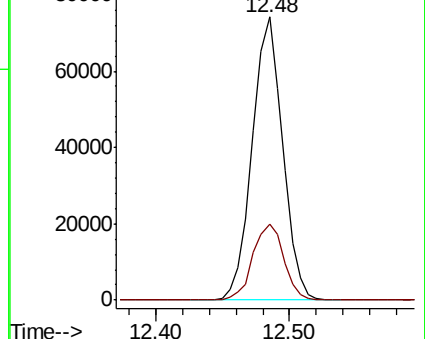
105 100

120 27.5 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.428 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Tgt Ion: 43 Resp: 24147

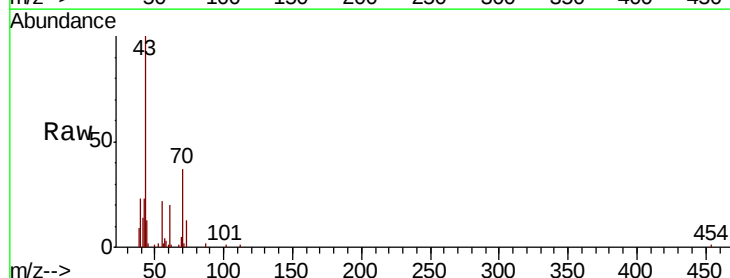
Ion Ratio Lower Upper

43 100

70 38.8 33.4 50.2

55 25.6 18.9 28.3

61 24.6 18.5 27.7

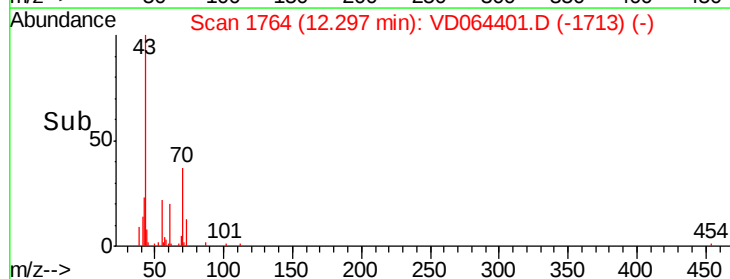
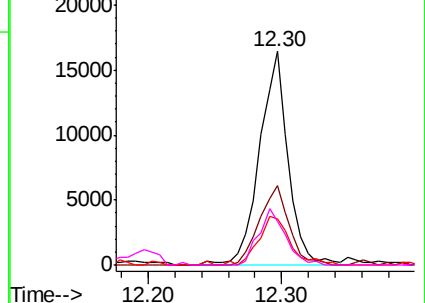


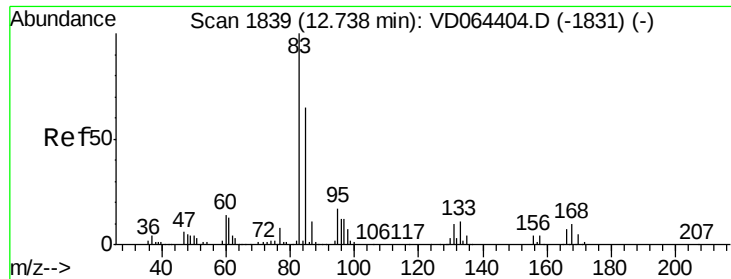
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.553 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

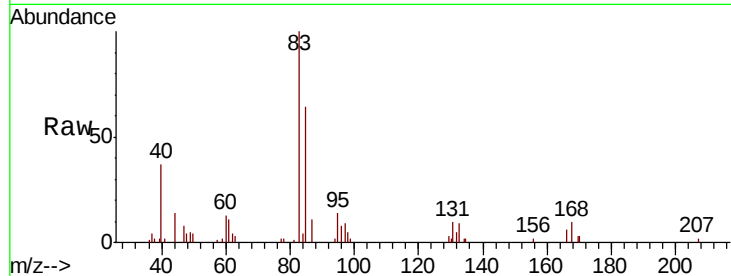
Tot Ion: 83 Resp: 19694

Ion Ratio Lower Upper

83 100

131 10.6 5.7 17.0

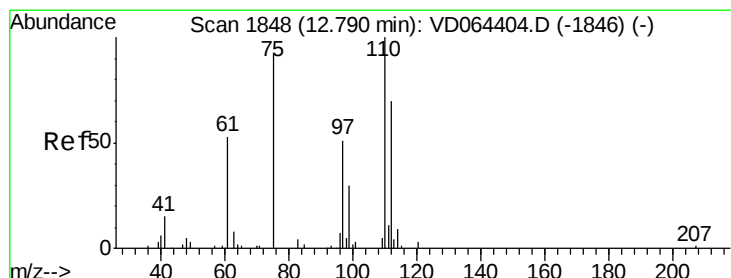
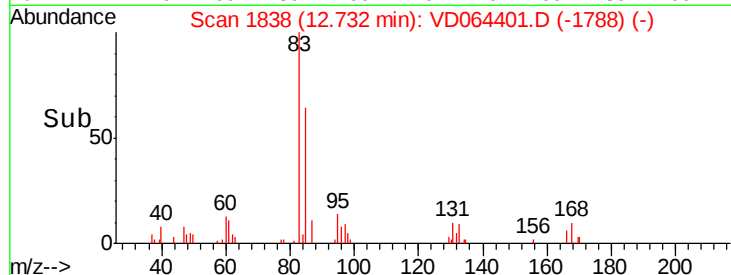
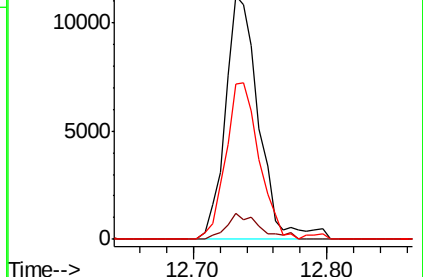
85 64.0 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 9.679 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064401.D

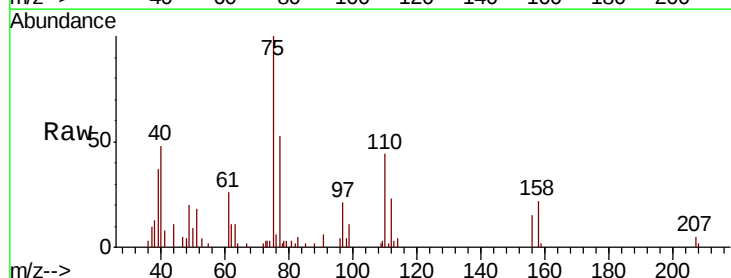
Acq: 27 Nov 2019 17:54

Tgt Ion: 75 Resp: 24481

Ion Ratio Lower Upper

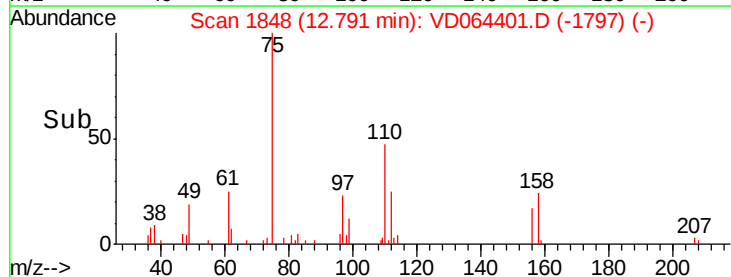
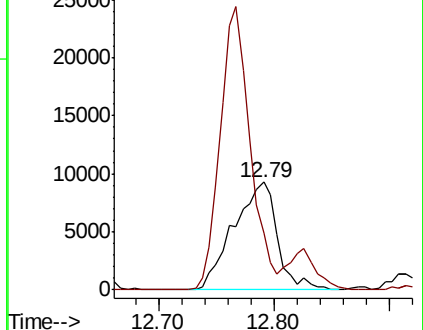
75 100

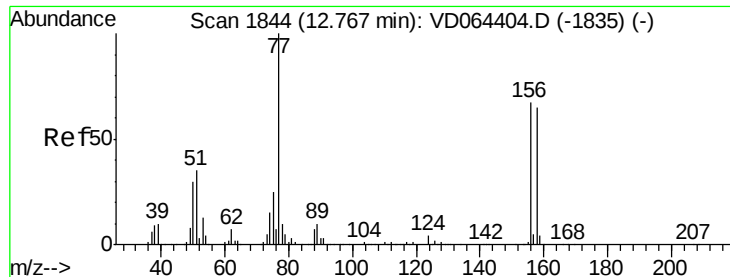
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.946 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

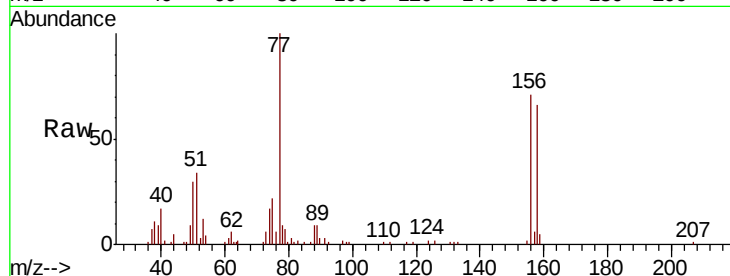
Tot Ion:156 Resp: 27830

Ion Ratio Lower Upper

156 100

77 158.2 80.0 240.2

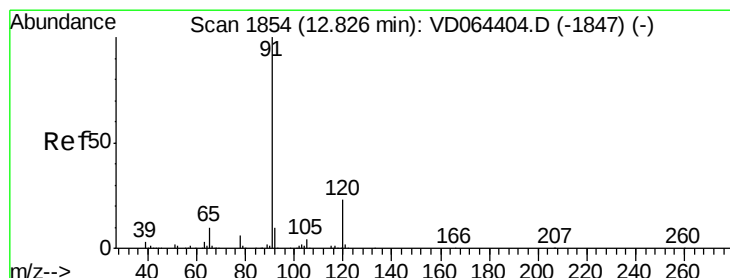
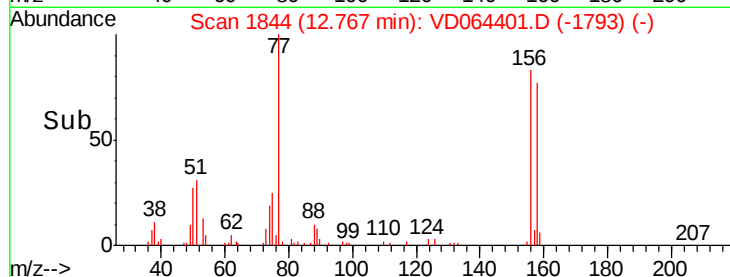
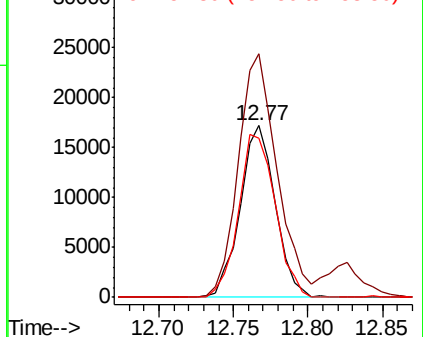
158 99.8 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.010 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064401.D

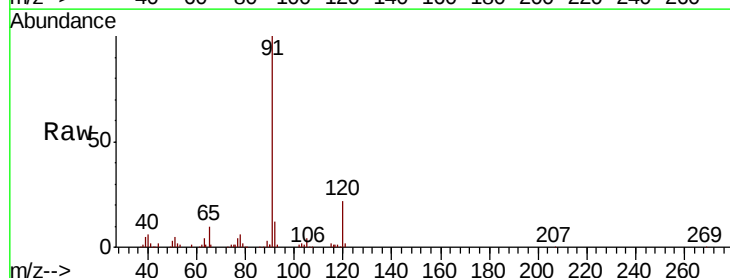
Acq: 27 Nov 2019 17:54

Tgt Ion: 91 Resp: 132106

Ion Ratio Lower Upper

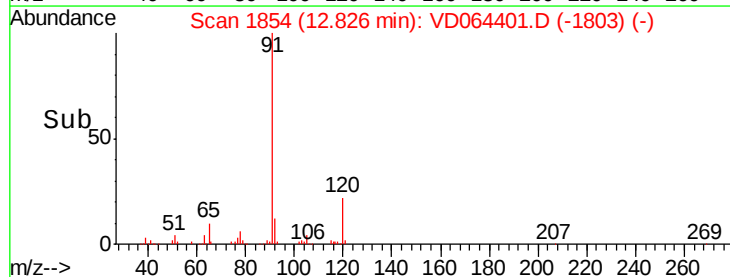
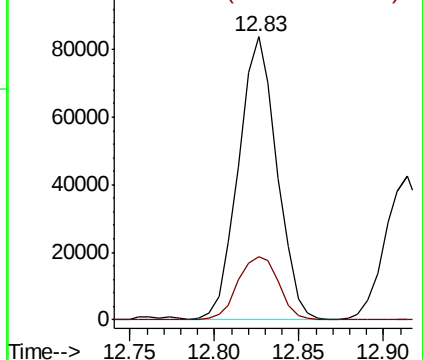
91 100

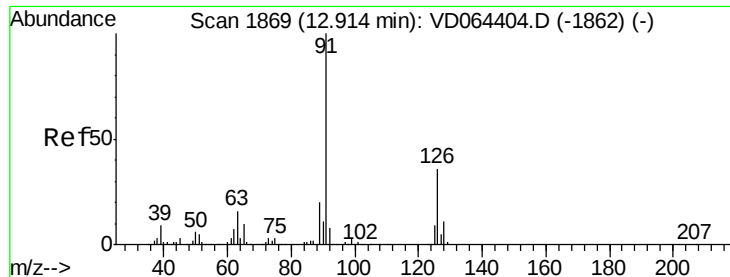
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

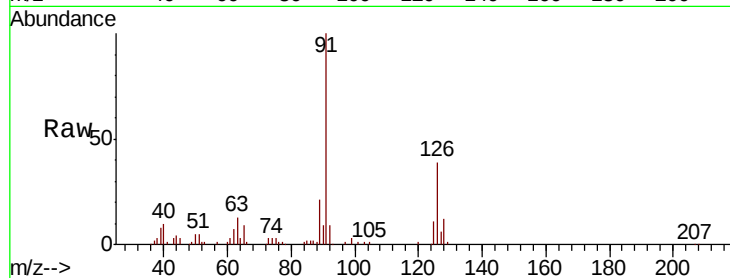




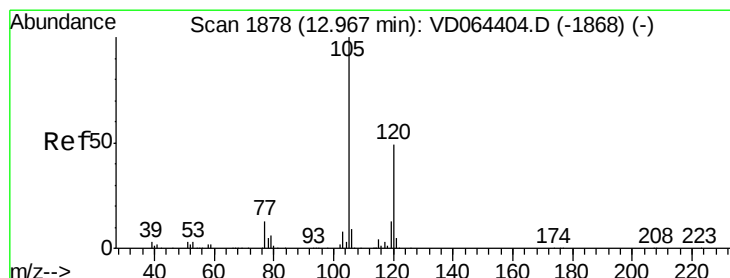
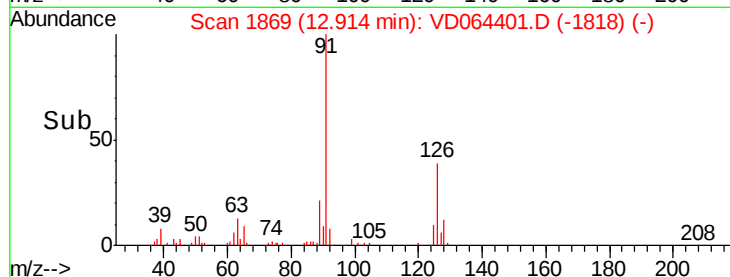
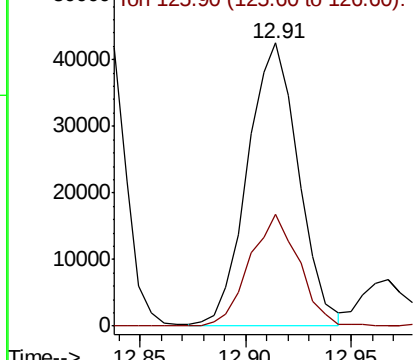
#79
 2-Chlorotoluene
 Concen: 4.779 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 91 Resp: 70926
 Ion Ratio Lower Upper
 91 100
 126 38.5 18.0 54.0

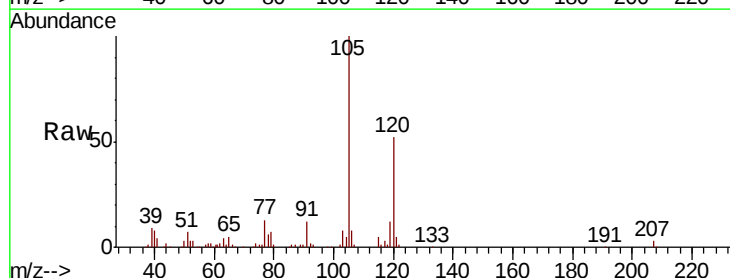


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.90 (125.60 to 126.60): V

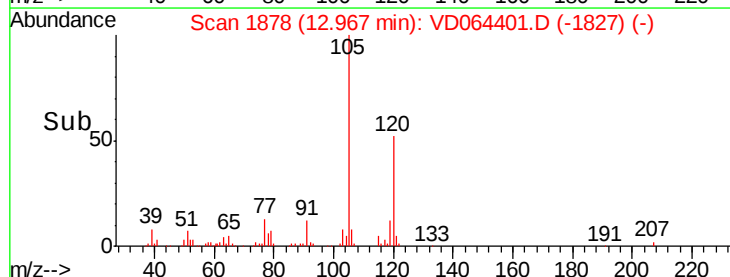
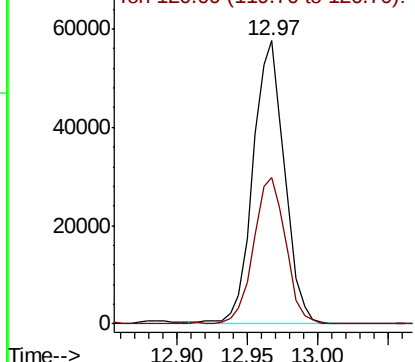


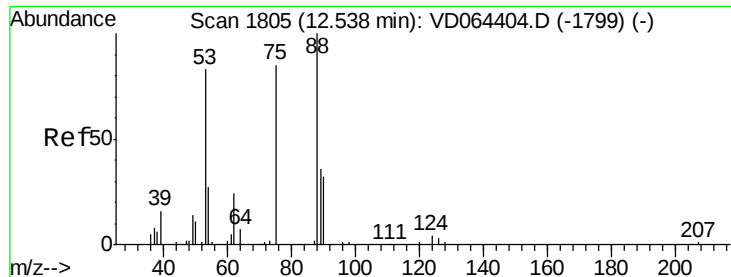
#80
 1,3,5-Trimethylbenzene
 Concen: 4.775 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion: 105 Resp: 90621
 Ion Ratio Lower Upper
 105 100
 120 52.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.754 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

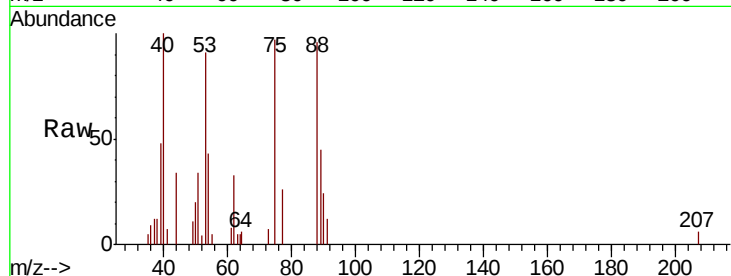
Tot Ion: 75 Resp: 6020

Ion Ratio Lower Upper

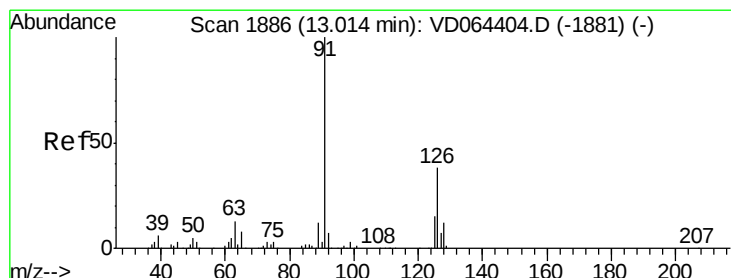
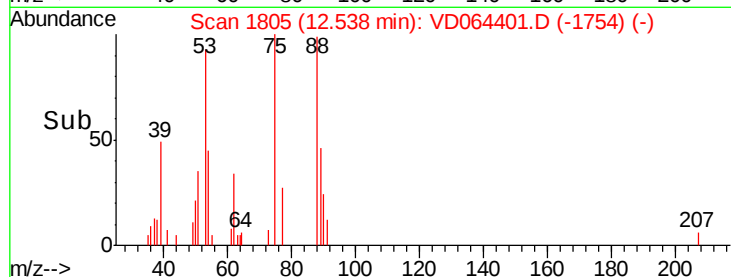
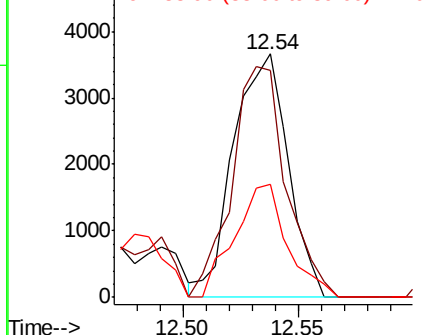
75 100

53 94.7 81.0 121.6

89 45.0 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 5.010 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064401.D

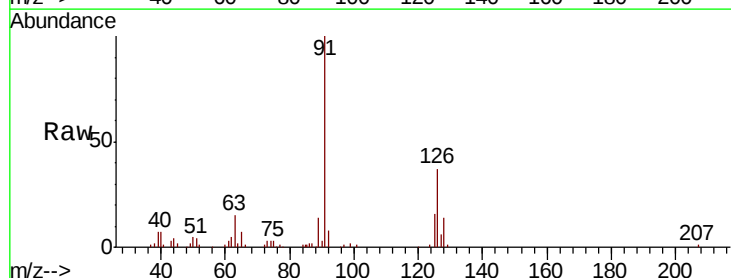
Acq: 27 Nov 2019 17:54

Tgt Ion: 91 Resp: 77747

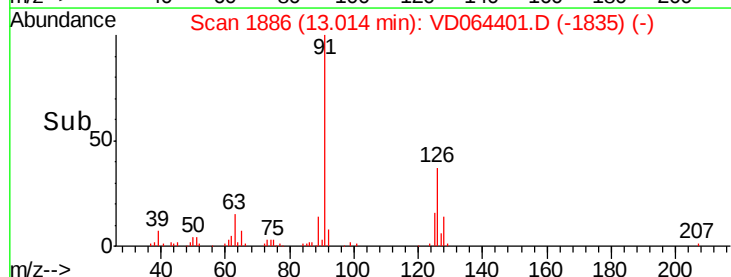
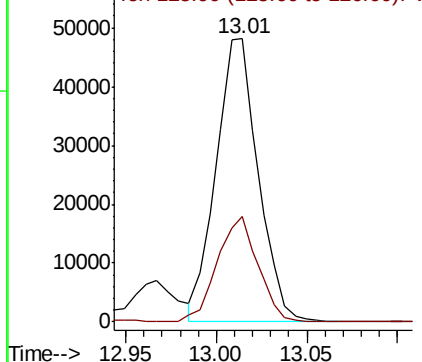
Ion Ratio Lower Upper

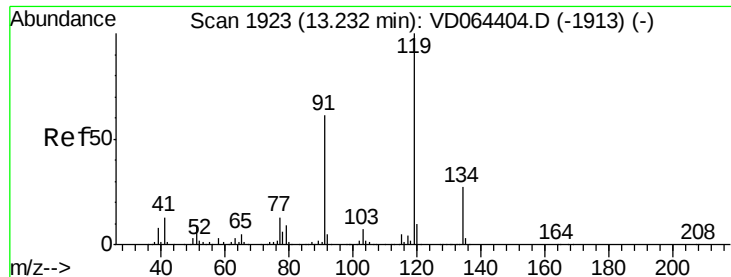
91 100

126 36.0 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 4.906 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

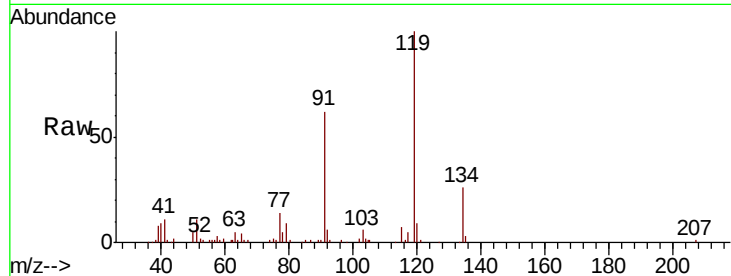
Tot Ion:119 Resp: 81699

Ion Ratio Lower Upper

119 100

91 61.2 31.2 93.6

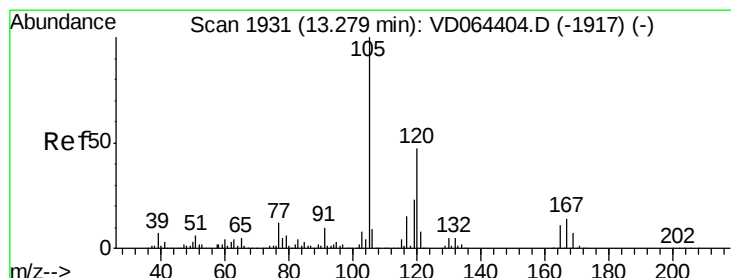
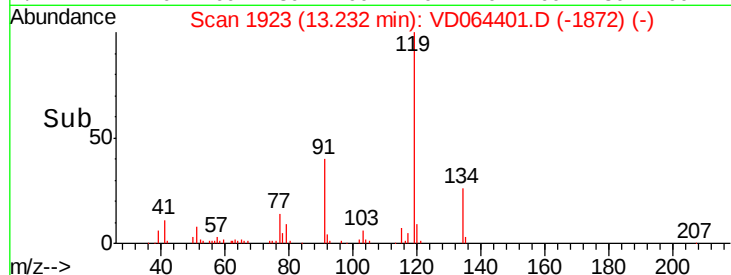
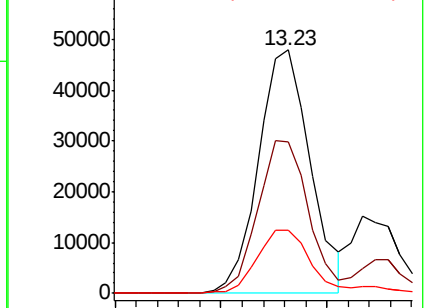
134 28.3 13.9 41.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.001 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064401.D

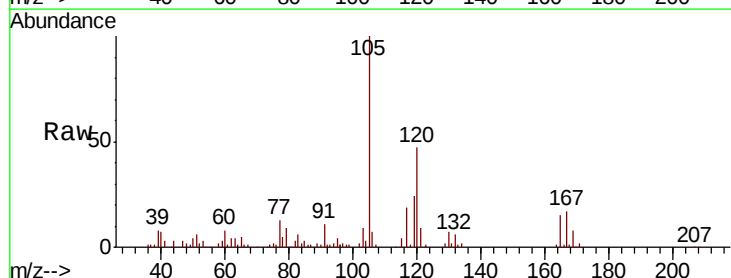
Acq: 27 Nov 2019 17:54

Tgt Ion:105 Resp: 93715

Ion Ratio Lower Upper

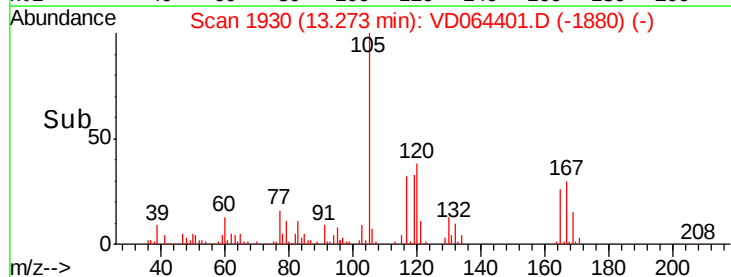
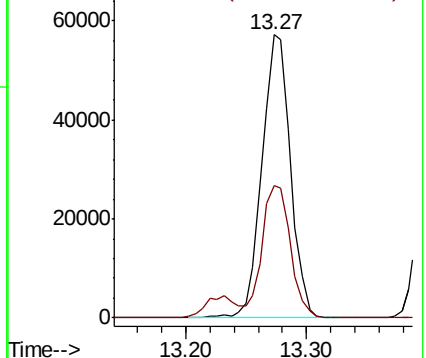
105 100

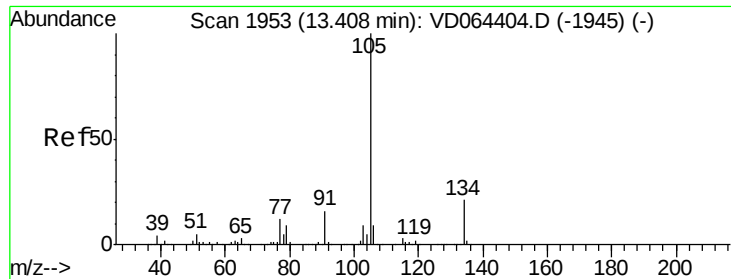
120 47.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.078 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

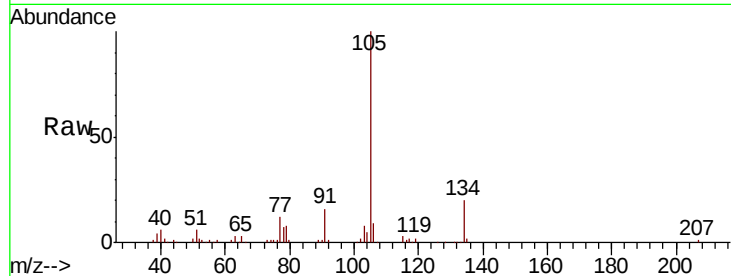
ClientSampleId :

Tot Ion:105 Resp: 114038

Ion Ratio Lower Upper

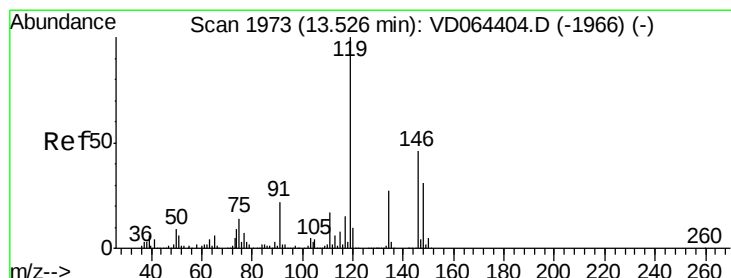
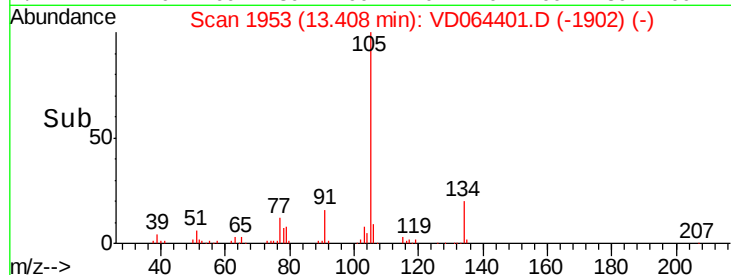
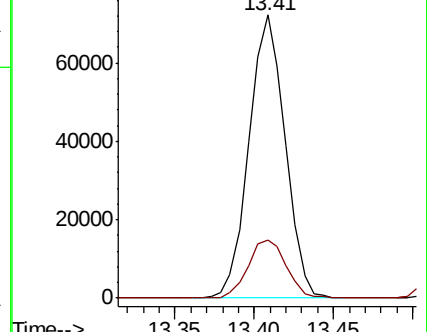
105 100

134 21.8 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.867 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

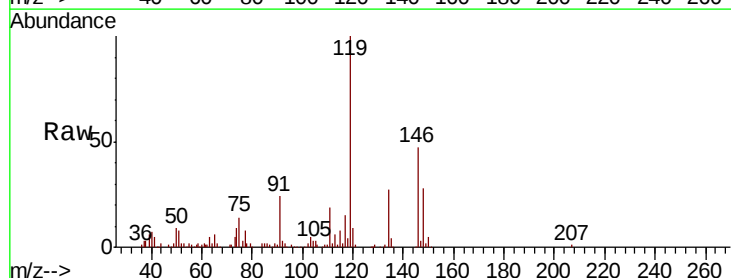
Tgt Ion:119 Resp: 103842

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

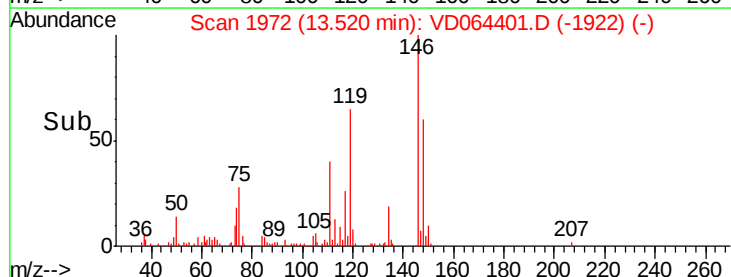
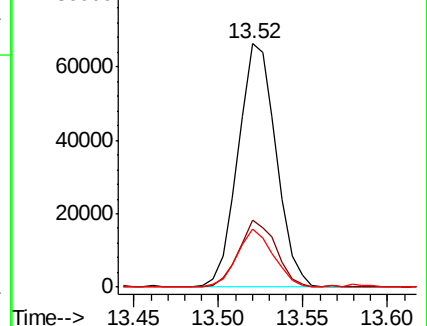
91 22.6 11.2 33.5

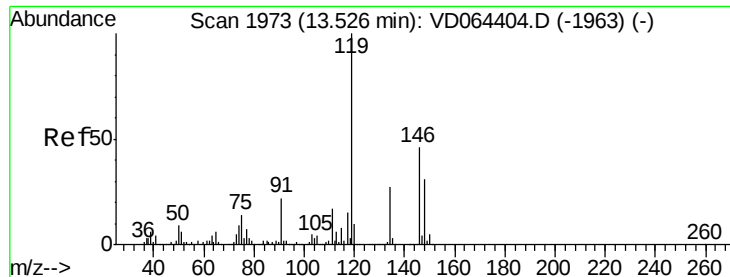


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.198 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleID :

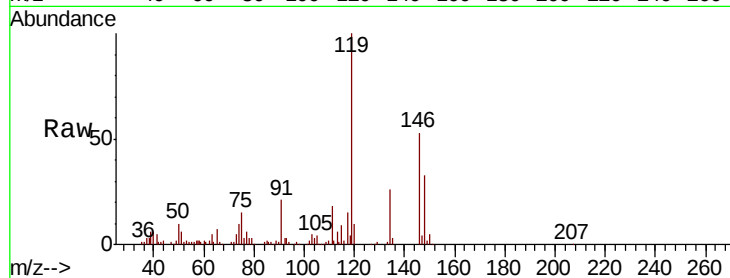
Tot Ion:146 Resp: 54478

Ion Ratio Lower Upper

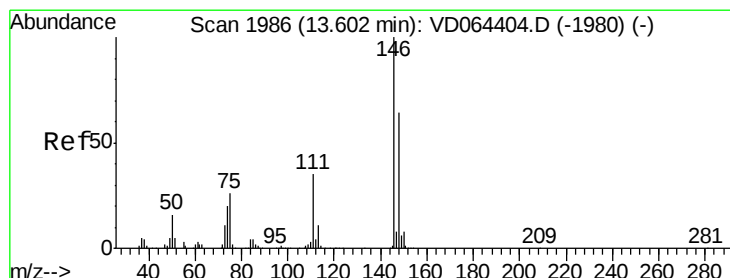
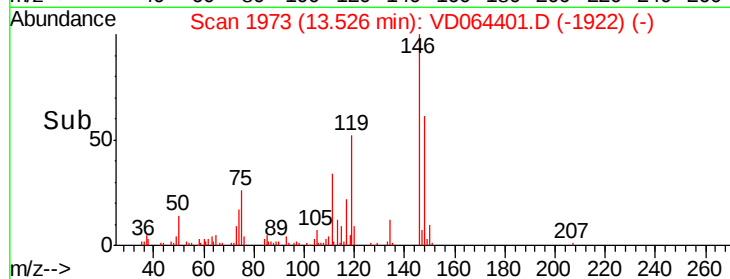
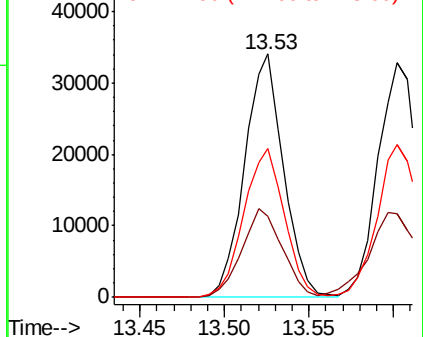
146 100

111 37.9 18.8 56.4

148 63.8 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 5.270 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

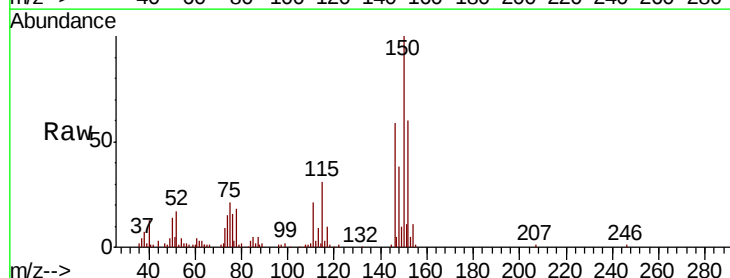
Tgt Ion:146 Resp: 53752

Ion Ratio Lower Upper

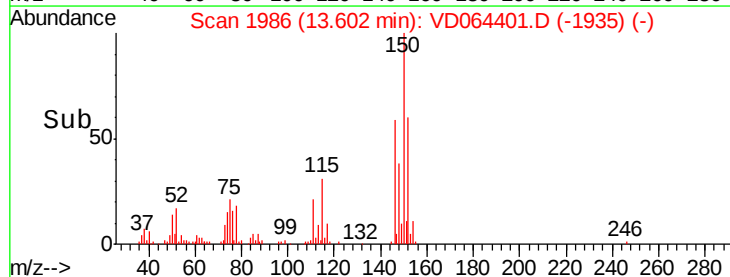
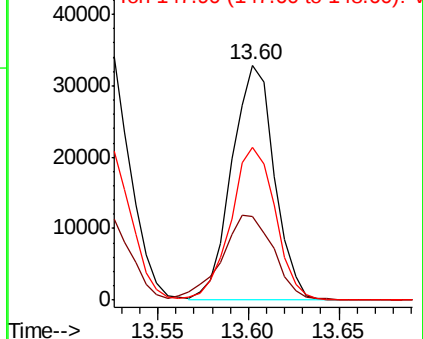
146 100

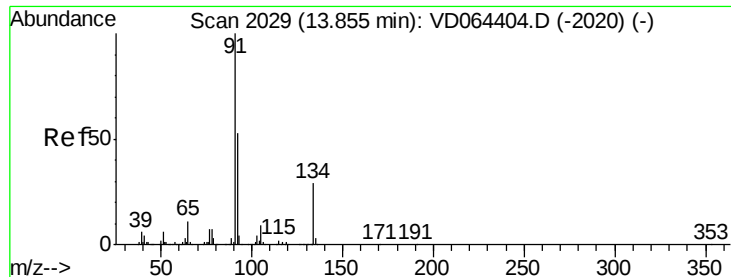
111 43.9 18.2 54.6

148 67.9 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

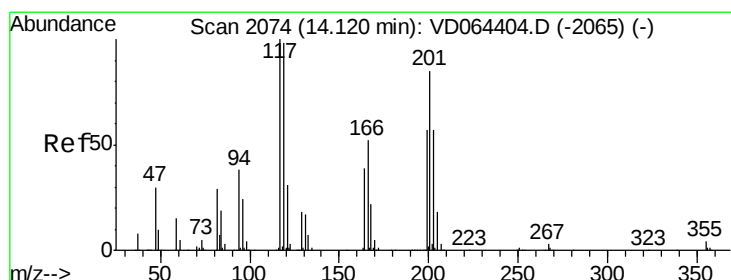
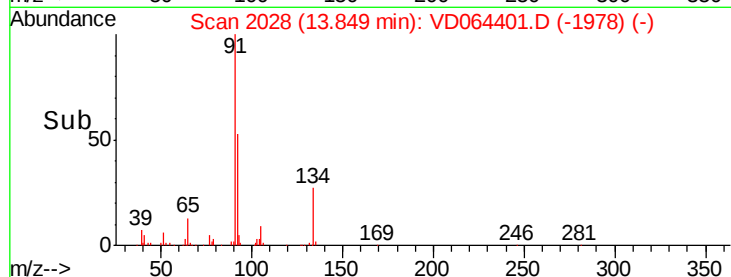
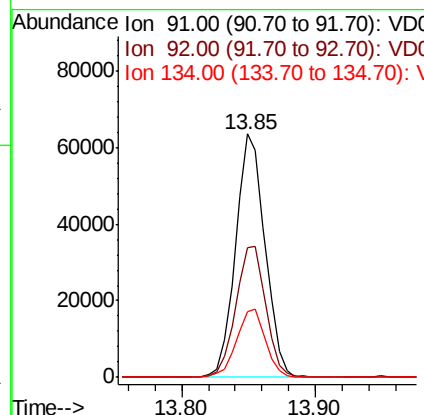
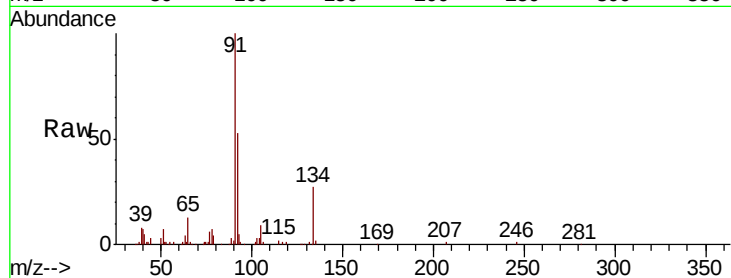




#89
n-Butylbenzene
Concen: 5.048 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

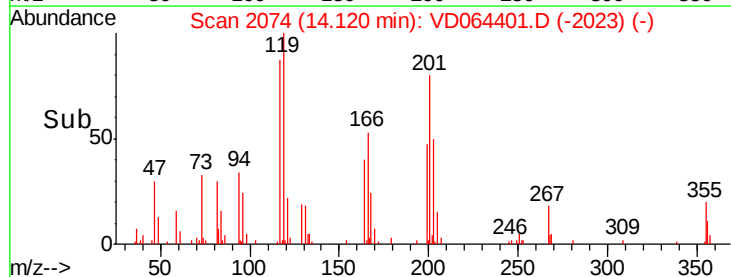
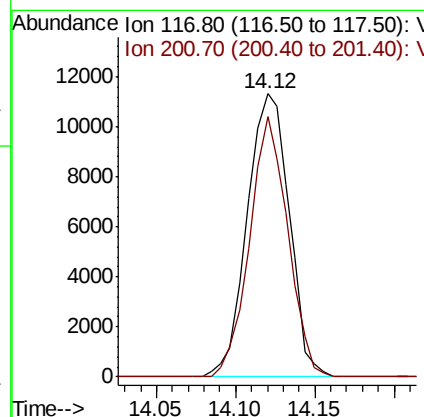
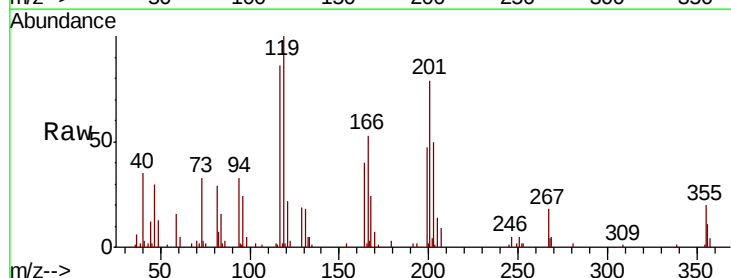
Instrument :
MSVOA_D
ClientSampleId :

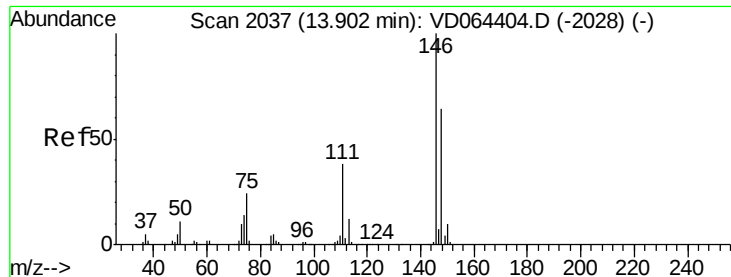
Tot Ion: 91 Resp: 97336
Ion Ratio Lower Upper
91 100
92 54.8 26.5 79.4
134 27.7 13.9 41.7



#90
Hexachloroethane
Concen: 5.273 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064401.D
Acq: 27 Nov 2019 17:54

Tgt Ion: 117 Resp: 20859
Ion Ratio Lower Upper
117 100
201 83.3 44.3 132.8

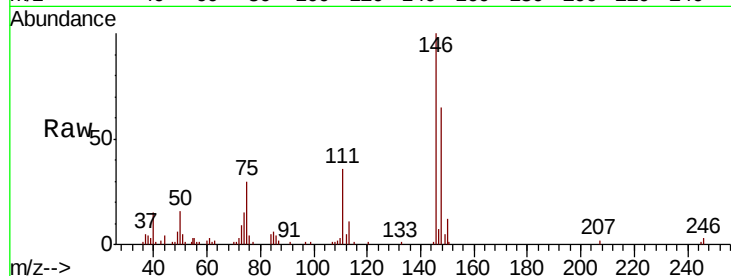




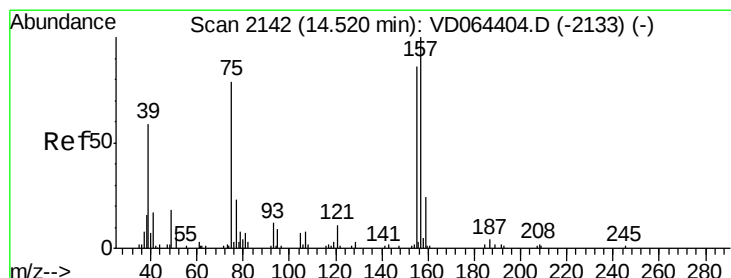
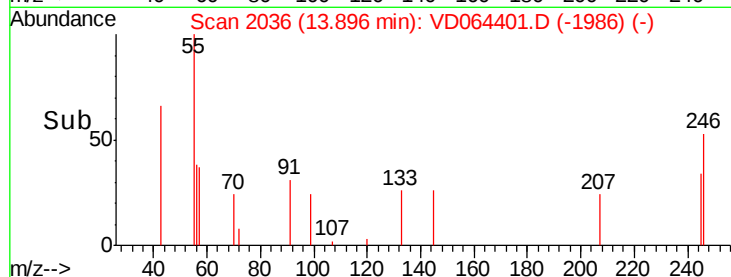
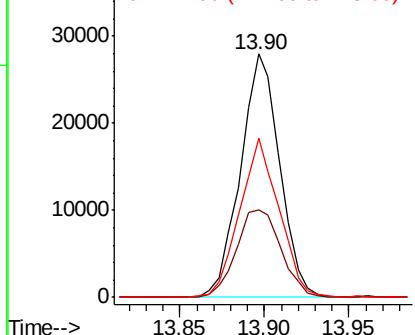
#91
 1,2-Dichlorobenzene
 Concen: 5.080 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 45181
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.1 57.3
 148 65.7 32.0 96.0

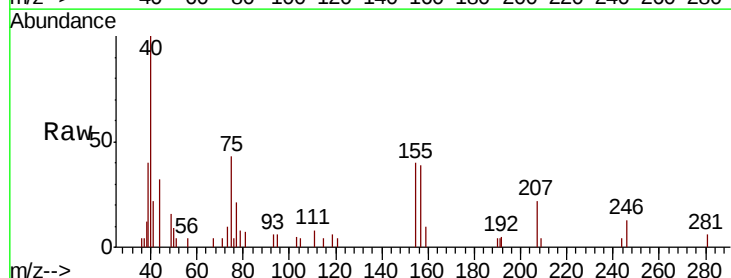


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

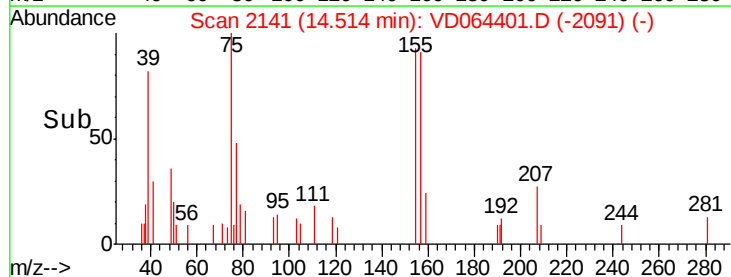
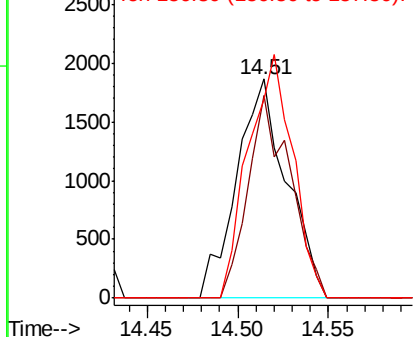


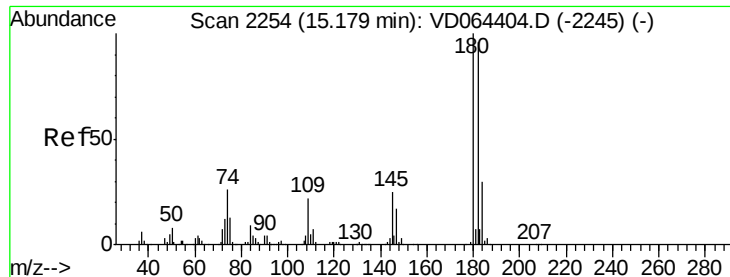
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.778 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion: 75 Resp: 3594
 Ion Ratio Lower Upper
 75 100
 155 77.9 51.9 155.7
 157 98.2 63.2 189.8



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

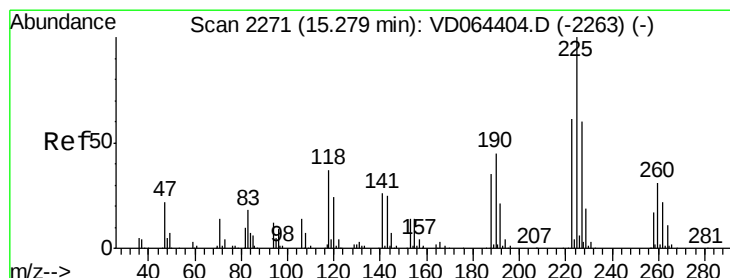
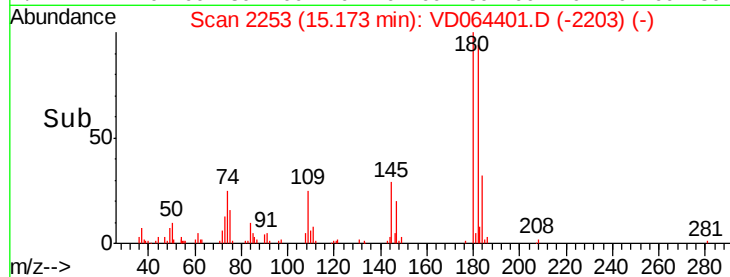
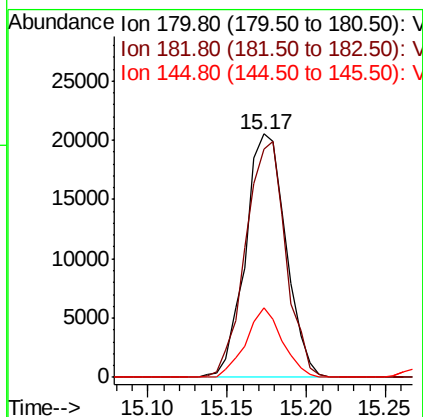
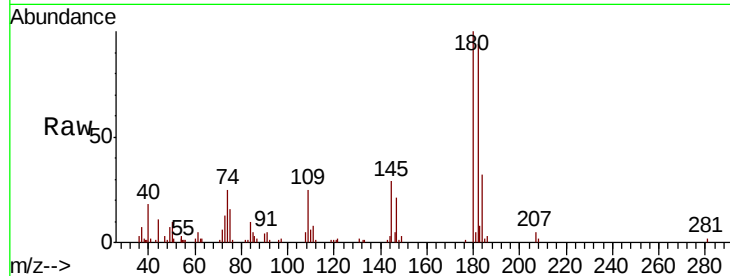




#93
 1,2,4-Trichlorobenzene
 Concen: 5.335 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

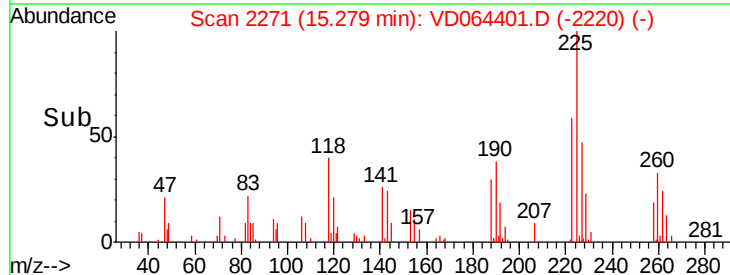
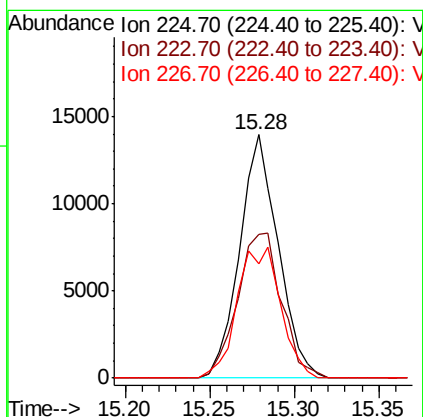
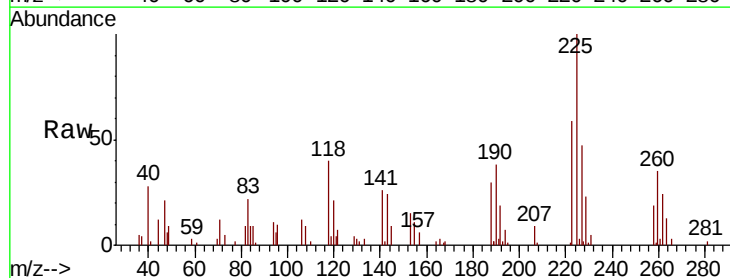
Instrument :
 MSVOA_D
 ClientSampleID :

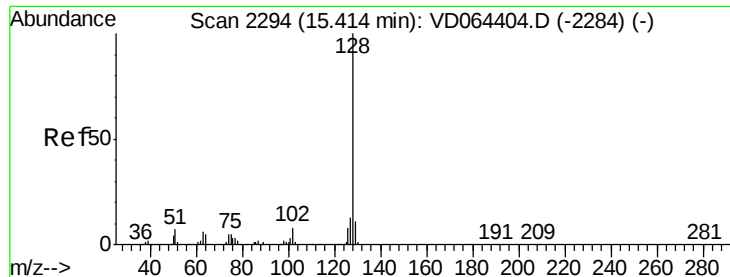
Tot Ion:180 Resp: 36415
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.4 142.3
 145 25.6 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 5.058 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064401.D
 Acq: 27 Nov 2019 17:54

Tgt Ion:225 Resp: 22218
 Ion Ratio Lower Upper
 225 100
 223 68.0 31.1 93.3
 227 60.4 31.8 95.4





#95

Naphthalene

Concen: 5.102 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

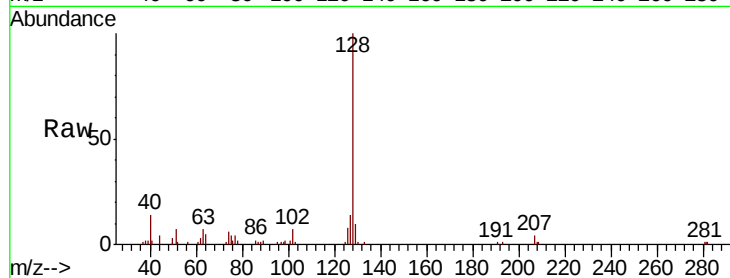
Tot Ion:128 Resp: 57506

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

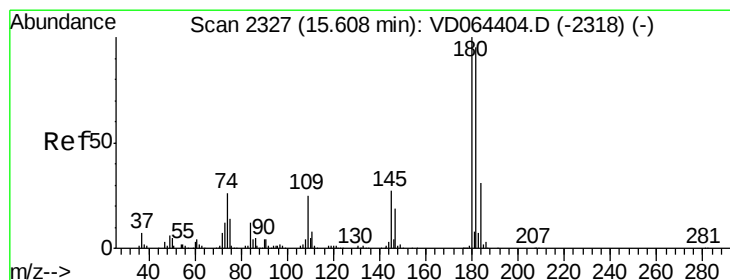
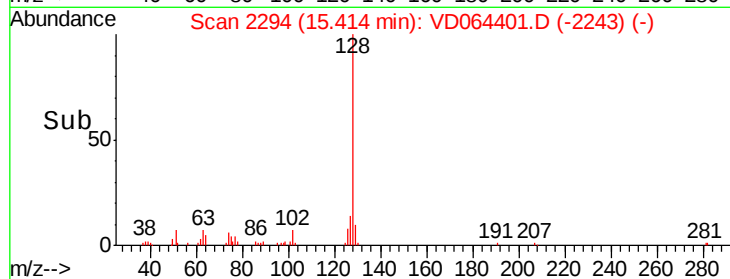
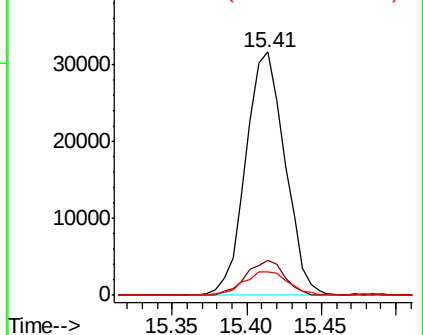
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.208 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064401.D

Acq: 27 Nov 2019 17:54

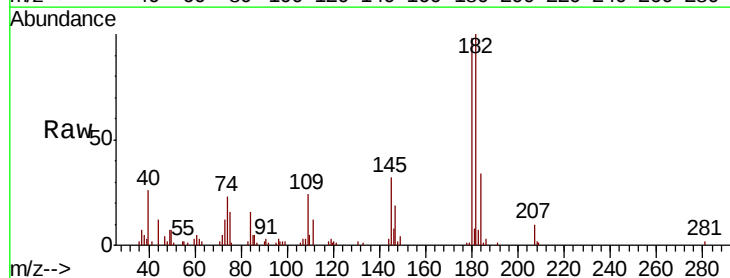
Tgt Ion:180 Resp: 30410

Ion Ratio Lower Upper

180 100

182 95.5 47.6 142.9

145 31.5 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

