

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064402.D
 Acq On : 27 Nov 2019 18:22
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 06:42:44 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	7.98	168	460231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282540	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	43941	11.66	ug/l	0.00
Spiked Amount			Recovery	=	23.32%	
35) Dibromofluoromethane	7.92	113	44799	11.75	ug/l	0.00
Spiked Amount			Recovery	=	23.50%	
50) Toluene-d8	10.34	98	166249	11.61	ug/l	0.00
Spiked Amount			Recovery	=	23.22%	
62) 4-Bromofluorobenzene	12.64	95	53987	11.00	ug/l	0.00
Spiked Amount			Recovery	=	22.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	48719	12.734	ug/l	93
3) Chloromethane	2.21	50	61651	14.535	ug/l	100
4) Vinyl Chloride	2.35	62	68236	14.777	ug/l	99
5) Bromomethane	2.77	94	51711	17.325	ug/l	91
6) Chloroethane	2.93	64	45732	15.371	ug/l	96
7) Trichlorofluoromethane	3.27	101	115025	15.277	ug/l	98
8) Diethyl Ether	3.71	74	22645	11.536	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	49706	12.190	ug/l	98
10) Methyl Iodide	4.29	142	41007	10.042	ug/l	98
11) Tert butyl alcohol	5.26	59	15788	60.030	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	45143	11.628	ug/l	88
13) Acrolein	3.93	56	20668	87.455	ug/l	99
14) Allyl chloride	4.71	41	68361	10.180	ug/l	99
15) Acrylonitrile	5.44	53	51840	61.602	ug/l	100
16) Acetone	4.17	43	48935	55.387	ug/l	95
17) Carbon Disulfide	4.40	76	146573	12.077	ug/l	98
18) Methyl Acetate	4.72	43	27565	11.091	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	102569	11.101	ug/l	96
20) Methylene Chloride	4.96	84	56049	12.306	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	51960	11.791	ug/l	97
22) Diisopropyl ether	6.37	45	137581	10.882	ug/l	99
23) Vinyl Acetate	6.31	43	404377	56.915	ug/l	100
24) 1,1-Dichloroethane	6.27	63	84780	11.497	ug/l	97
25) 2-Butanone	7.23	43	67149	57.915	ug/l	95
26) 2,2-Dichloropropane	7.21	77	72651	10.244	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	55828	11.757	ug/l	98
28) Bromochloromethane	7.54	49	23463	9.155	ug/l	96
29) Tetrahydrofuran	7.57	42	43683	62.469	ug/l	99
30) Chloroform	7.71	83	86769	11.468	ug/l	100
31) Cyclohexane	7.98	56	84785	11.458	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	82177	11.407	ug/l	99
36) 1,1-Dichloropropene	8.11	75	68773	11.283	ug/l	99
37) Ethyl Acetate	7.30	43	30659	11.814	ug/l	96
38) Carbon Tetrachloride	8.10	117	71596	10.935	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064402.D
 Acq On : 27 Nov 2019 18:22
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 06:42:44 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	86191	11.112	ug/l	96
40) Benzene	8.36	78	190058	11.324	ug/l	99
41) Methacrylonitrile	7.53	41	14189	8.729	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	57006	11.353	ug/l	100
43) Isopropyl Acetate	8.46	43	58100	10.947	ug/l	98
44) Trichloroethene	9.11	130	59144	11.776	ug/l	98
45) 1,2-Dichloropropane	9.39	63	45045	11.004	ug/l	99
46) Dibromomethane	9.48	93	26027	11.789	ug/l	99
47) Bromodichloromethane	9.67	83	66274	11.214	ug/l	99
48) Methyl methacrylate	9.46	41	26863	10.433	ug/l	98
49) 1,4-Dioxane	9.47	88	6946	261.607	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	146737	57.356	ug/l	100
52) Toluene	10.40	92	123165	11.186	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	60460	10.297	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	73275	10.674	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	36147	12.094	ug/l	94
56) Ethyl methacrylate	10.67	69	43413	10.489	ug/l	98
57) 1,3-Dichloropropane	10.95	76	60783	11.691	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	89856	54.488	ug/l	98
59) 2-Hexanone	10.99	43	102001	56.384	ug/l	100
60) Dibromochloromethane	11.14	129	48547	11.651	ug/l	98
61) 1,2-Dibromoethane	11.26	107	35837	11.966	ug/l	99
64) Tetrachloroethene	10.88	164	49506	11.084	ug/l	96
65) Chlorobenzene	11.67	112	136015	11.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	48615	10.775	ug/l	98
67) Ethyl Benzene	11.75	91	234528	10.942	ug/l	98
68) m/p-Xylenes	11.86	106	181242	22.074	ug/l	99
69) o-Xylene	12.18	106	81681	10.726	ug/l	99
70) Styrene	12.20	104	140568	10.591	ug/l	100
71) Bromoform	12.37	173	30930	12.009	ug/l #	92
73) Isopropylbenzene	12.48	105	226381	11.003	ug/l	99
74) N-amyl acetate	12.29	43	52272	10.750	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	38329	12.122	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	50716	22.490	ug/l #	100
77) Bromobenzene	12.77	156	54977	10.958	ug/l	99
78) n-propylbenzene	12.83	91	260333	11.072	ug/l	100
79) 2-Chlorotoluene	12.91	91	145394	10.988	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	185183	10.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11893	10.533	ug/l #	92
82) 4-Chlorotoluene	13.01	91	151801	10.972	ug/l	99
83) tert-Butylbenzene	13.23	119	160778	10.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	183651	10.993	ug/l	97
85) sec-Butylbenzene	13.41	105	218199	10.897	ug/l	99
86) p-Isopropyltoluene	13.53	119	204182	10.734	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	104140	11.144	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	105357	11.586	ug/l	97
89) n-Butylbenzene	13.85	91	184709	10.743	ug/l	97
90) Hexachloroethane	14.12	117	38023	10.782	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	89048	11.229	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6879	12.404	ug/l	89

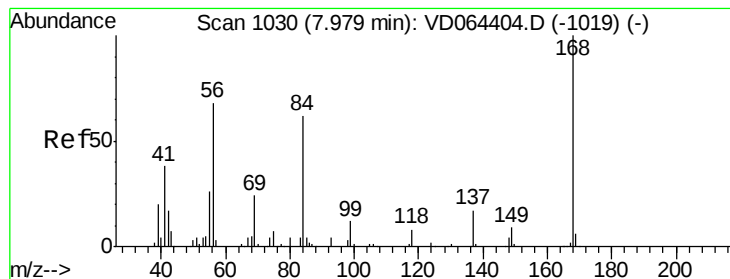
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
Data File : VD064402.D
Acq On : 27 Nov 2019 18:22
Operator : VA/SY
Sample : VSTDICC010
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 29 06:42:44 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	70078	11.515	ug/l	97
94) Hexachlorobutadiene	15.28	225	43354	11.071	ug/l	97
95) Naphthalene	15.41	128	117914	11.734	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	59318	11.394	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

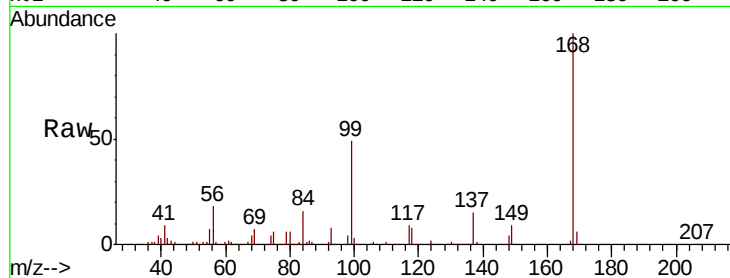
ClientSampleId :

Tot Ion:168 Resp: 460231

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

7.98

250000

200000

150000

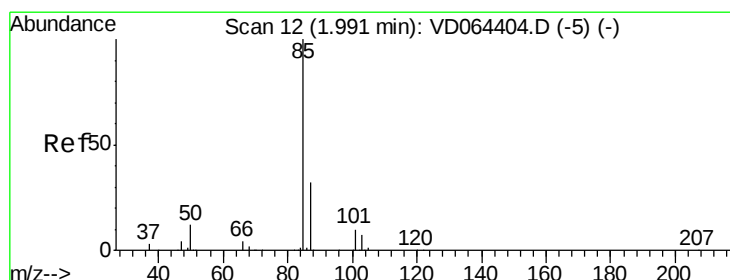
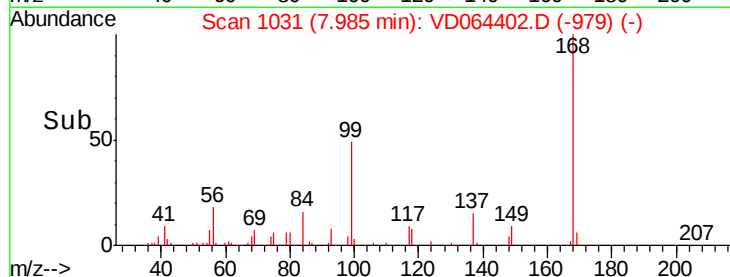
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 12.734 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064402.D

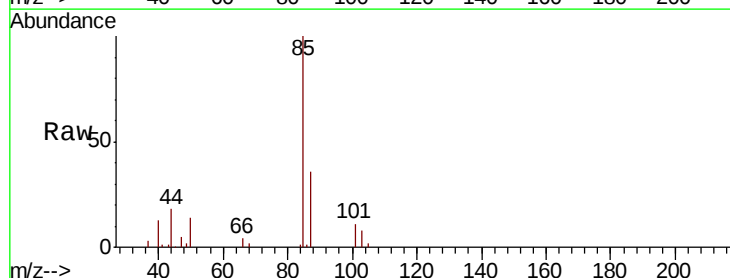
Acq: 27 Nov 2019 18:22

Tgt Ion: 85 Resp: 48719

Ion Ratio Lower Upper

85 100

87 35.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

40000

30000

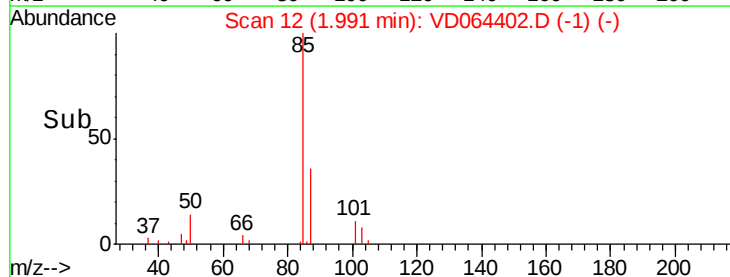
20000

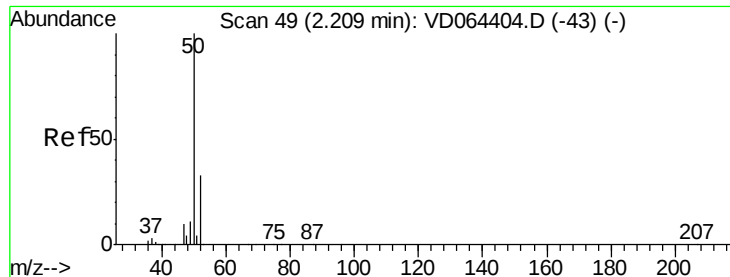
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 14.535 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

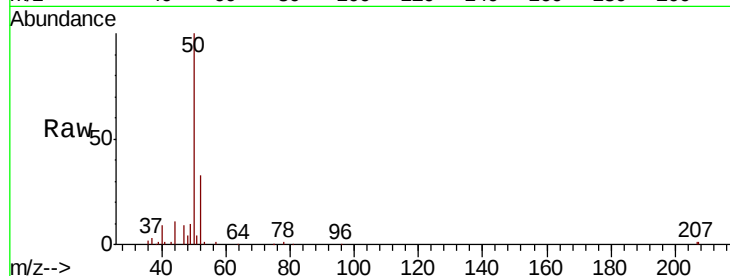
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 61651

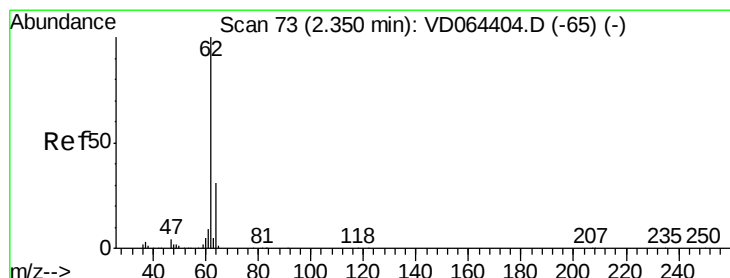
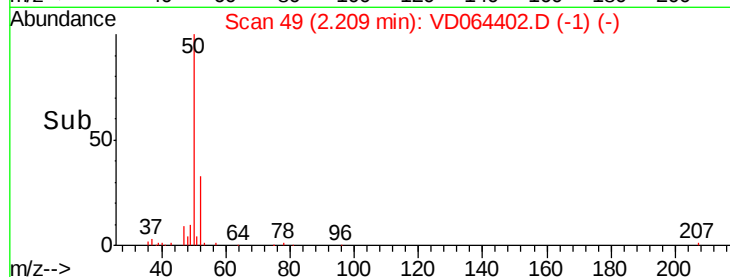
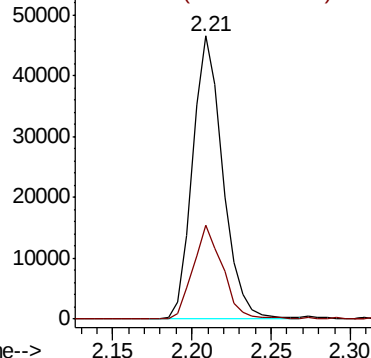
Ion Ratio Lower Upper

50 100

52 33.2 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 14.777 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064402.D

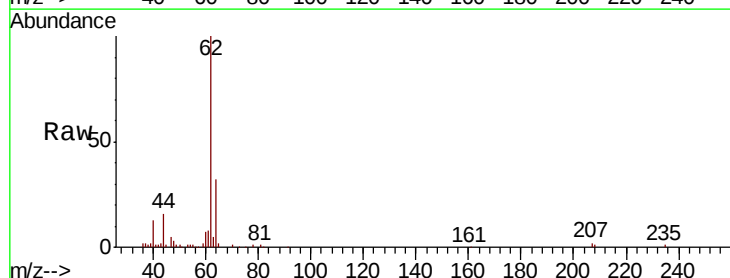
Acq: 27 Nov 2019 18:22

Tgt Ion: 62 Resp: 68236

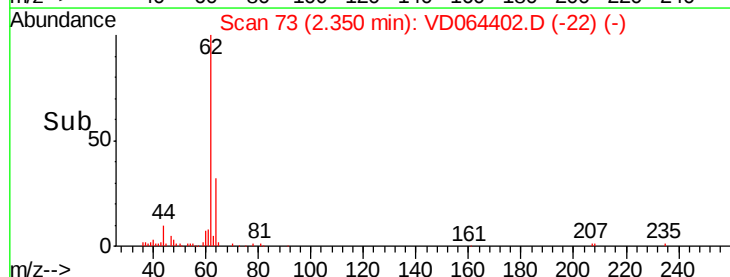
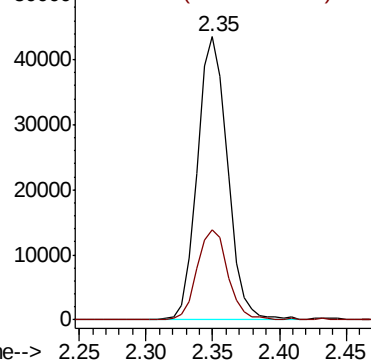
Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 17.325 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

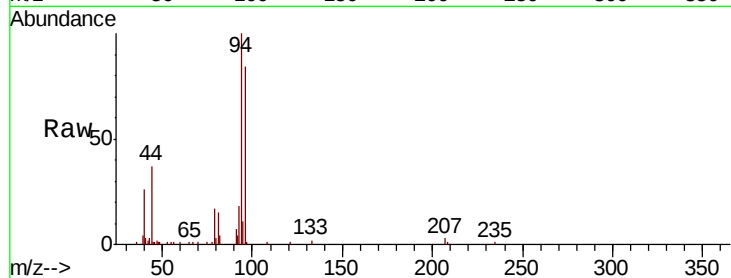
ClientSampleId :

Tot Ion: 94 Resp: 51711

Ion Ratio Lower Upper

94 100

96 83.5 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

25000

20000

15000

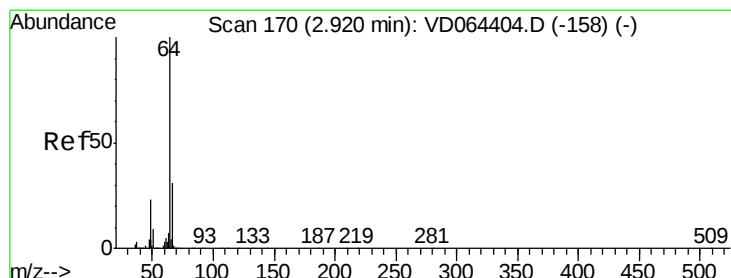
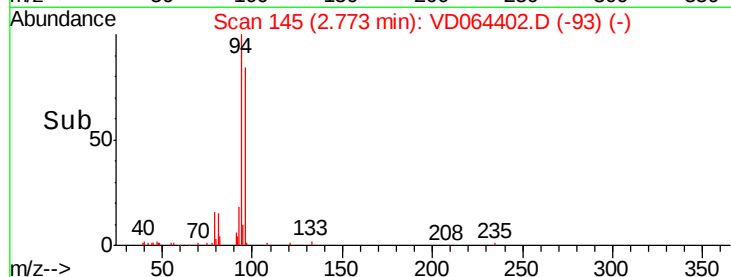
10000

5000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 15.371 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064402.D

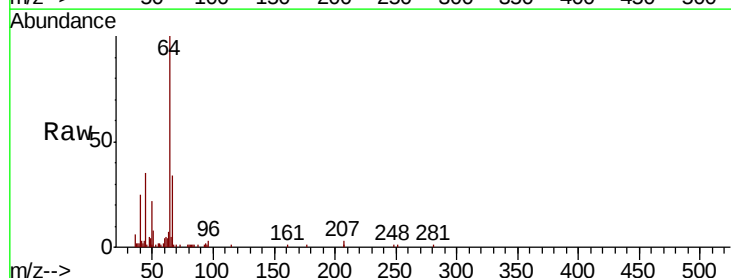
Acq: 27 Nov 2019 18:22

Tgt Ion: 64 Resp: 45732

Ion Ratio Lower Upper

64 100

66 32.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

25000

20000

15000

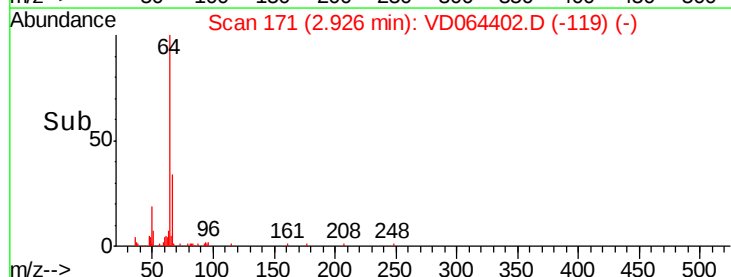
10000

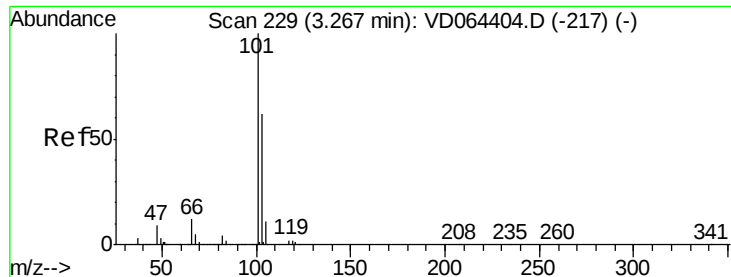
5000

0

Time-->

2.85 2.90 2.95 3.00



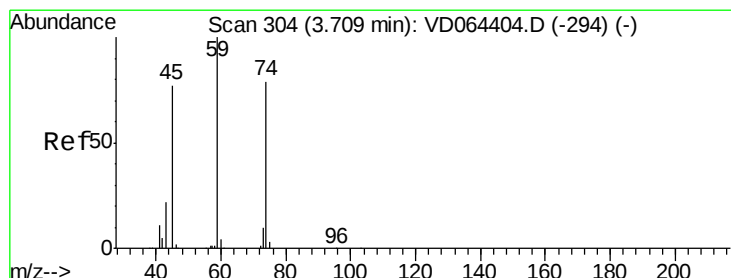
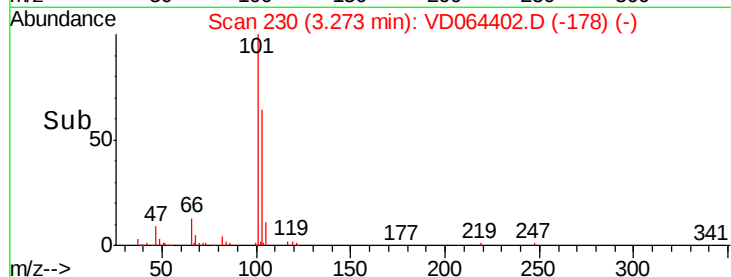
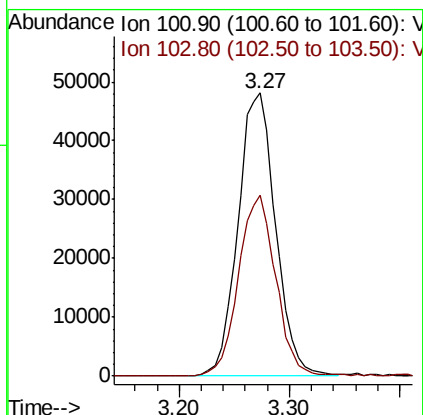
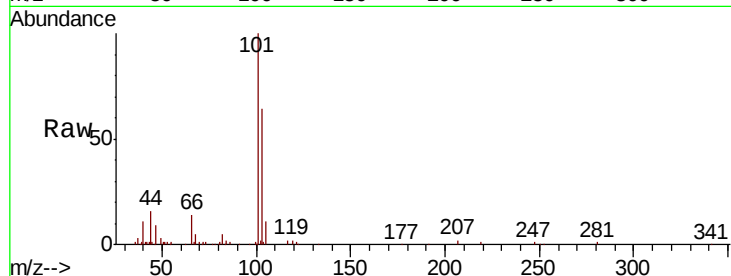


#7

Trichlorofluoromethane
 Concen: 15.277 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :

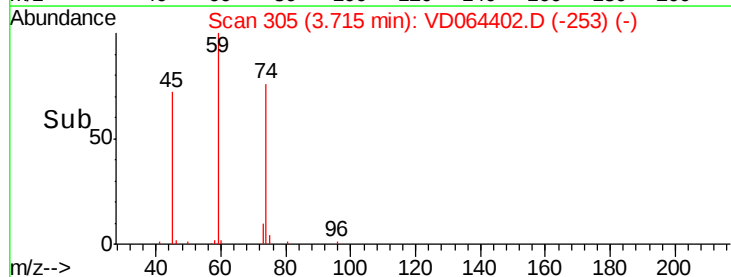
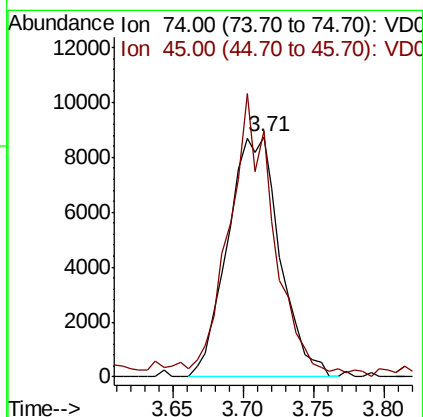
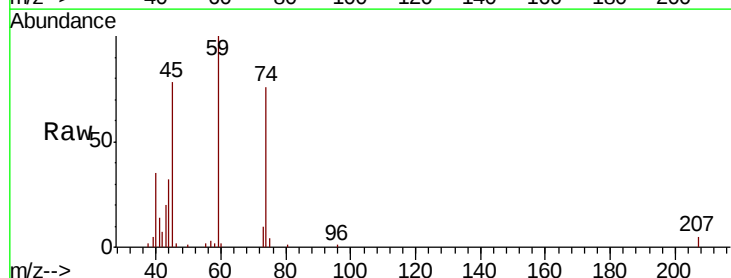
Tot Ion:101 Resp: 115025
 Ion Ratio Lower Upper
 101 100
 103 63.9 49.8 74.6

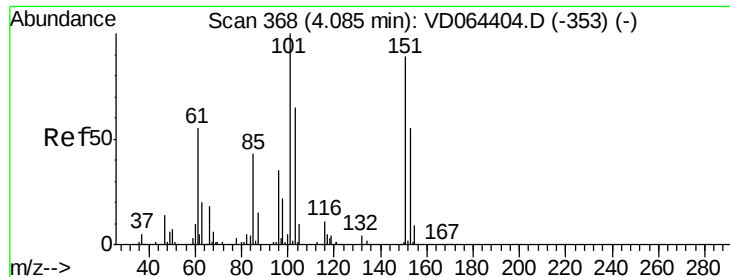


#8

Diethyl Ether
 Concen: 11.536 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Tgt Ion: 74 Resp: 22645
 Ion Ratio Lower Upper
 74 100
 45 102.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.190 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

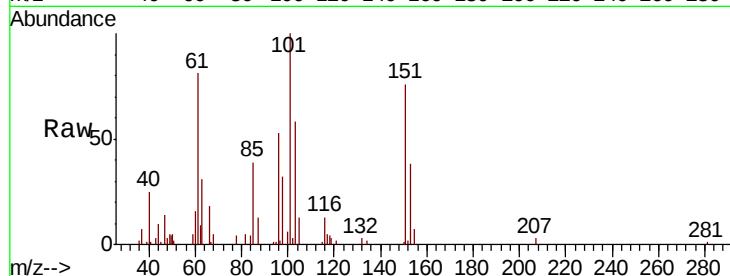
Tot Ion:101 Resp: 49706

Ion Ratio Lower Upper

101 100

85 42.7 34.8 52.2

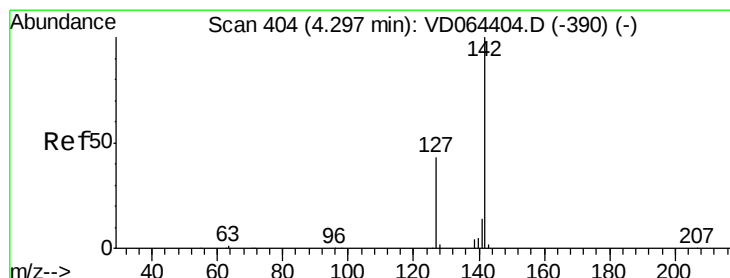
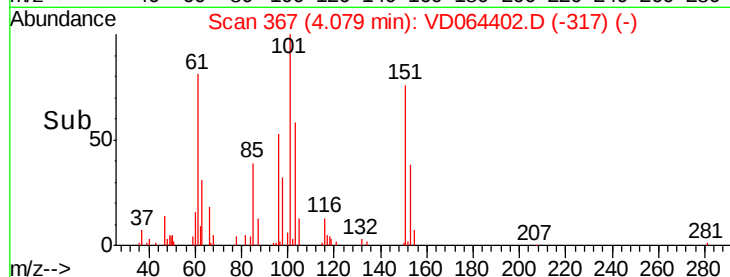
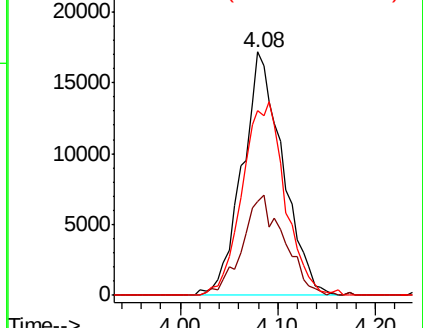
151 84.1 68.8 103.2



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: 10.042 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

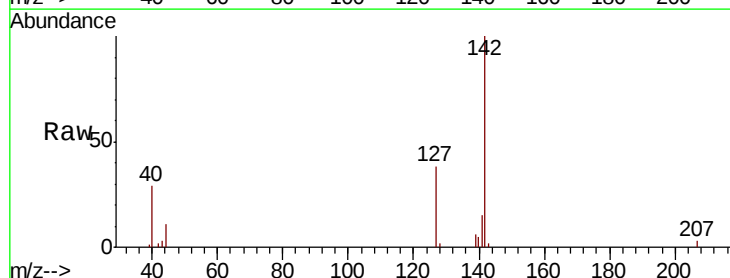
Tgt Ion:142 Resp: 41007

Ion Ratio Lower Upper

142 100

127 45.2 35.3 52.9

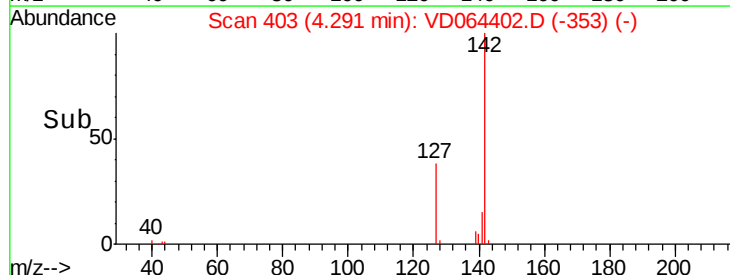
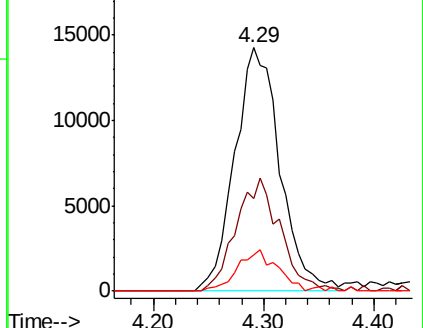
141 14.9 11.6 17.4

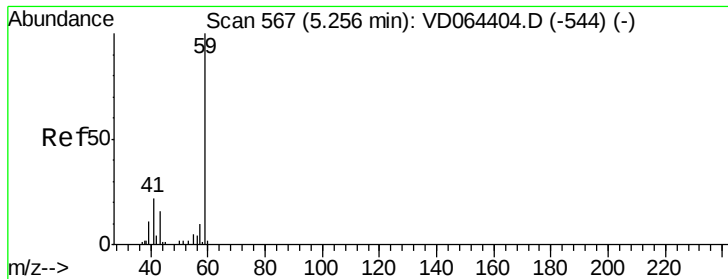


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



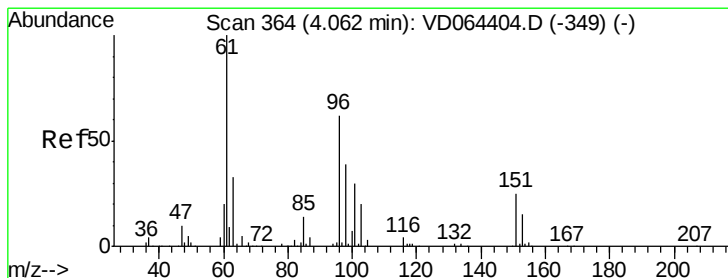
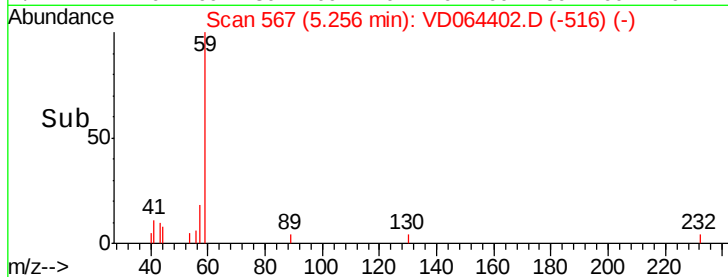
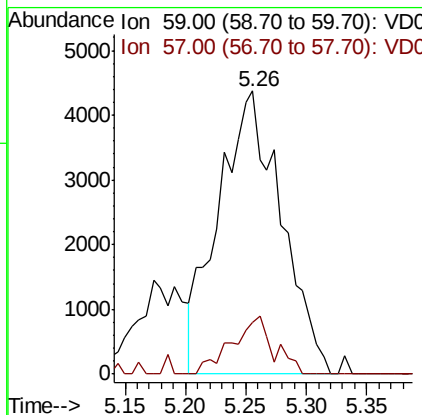
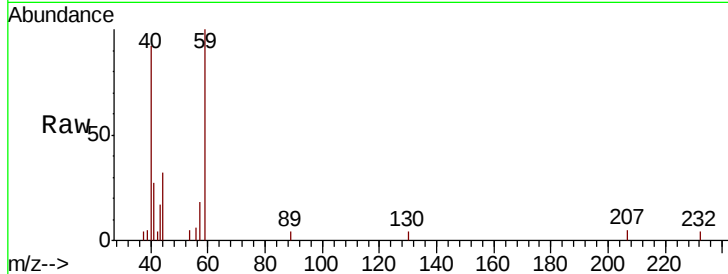


#11

Tert butyl alcohol
 Concen: 60.030 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleID :

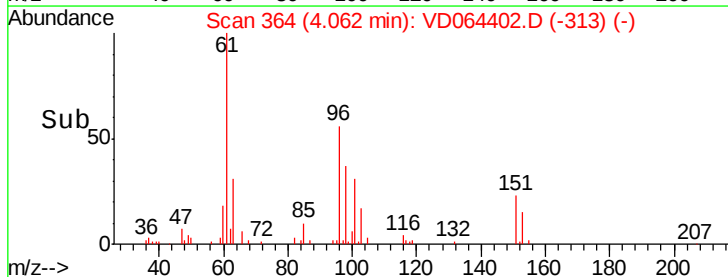
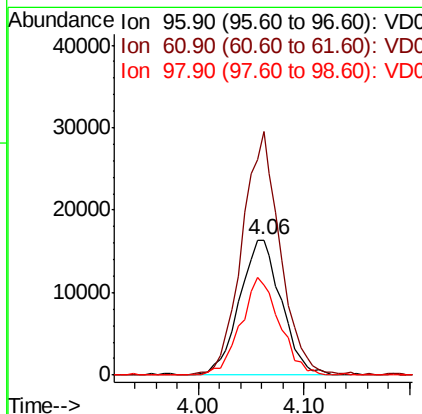
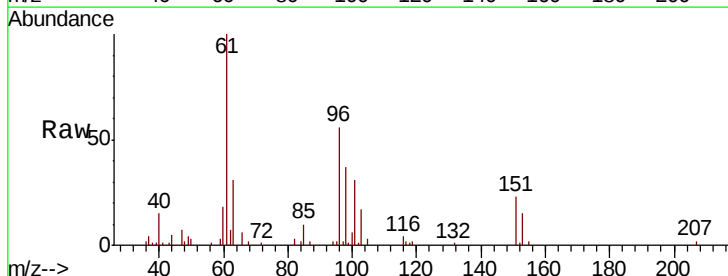
Tot Ion: 59 Resp: 15788
 Ion Ratio Lower Upper
 59 100
 57 13.4 0.0 0.0#

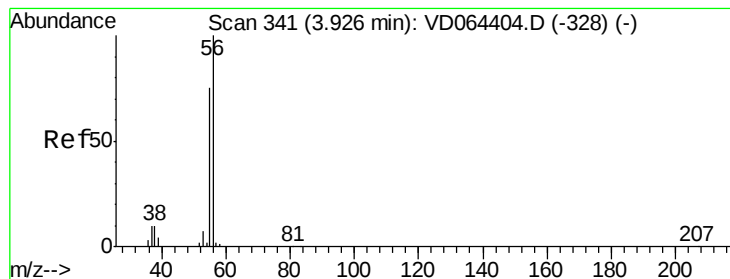


#12

1,1-Dichloroethene
 Concen: 11.628 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Tgt Ion: 96 Resp: 45143
 Ion Ratio Lower Upper
 96 100
 61 179.8 128.2 192.4
 98 66.4 50.4 75.6





#13

Acrolein

Concen: 87.455 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

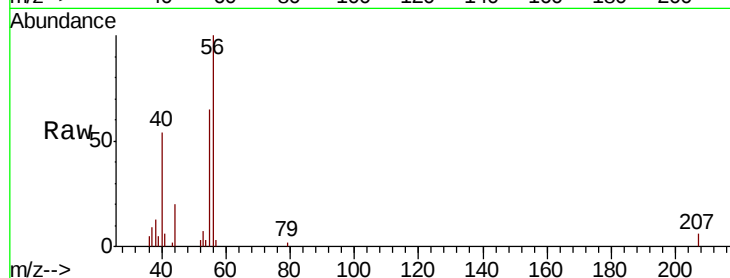
ClientSampled :

Tot Ion: 56 Resp: 20668

Ion Ratio Lower Upper

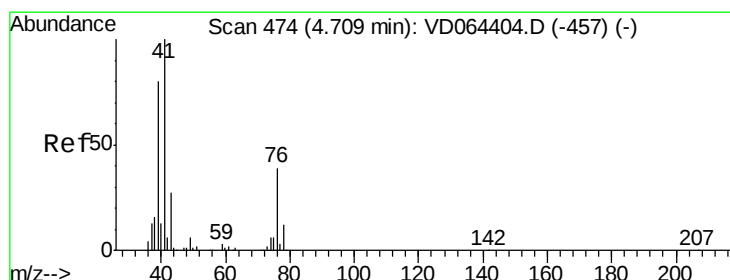
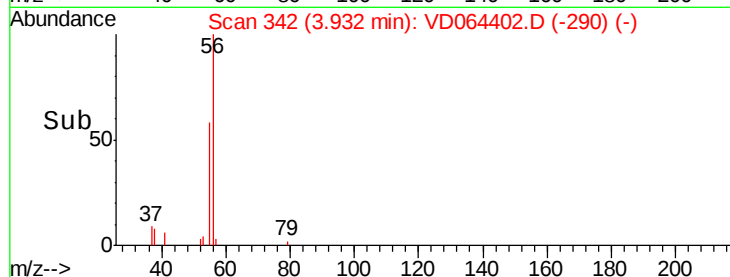
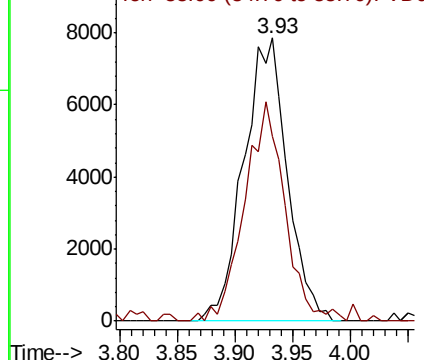
56 100

55 71.8 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.180 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

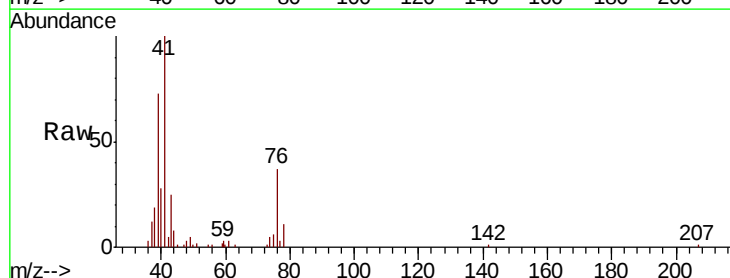
Tgt Ion: 41 Resp: 68361

Ion Ratio Lower Upper

41 100

39 78.5 62.1 93.1

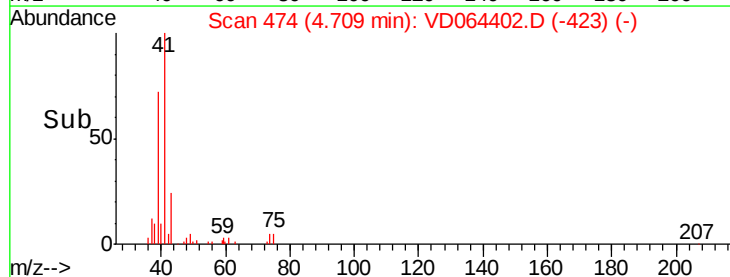
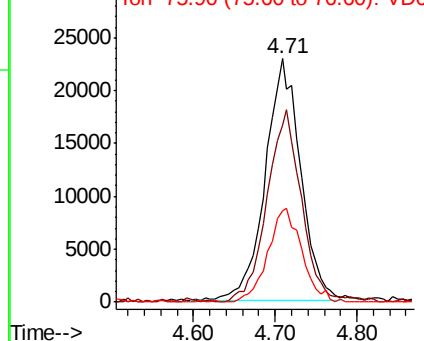
76 37.3 29.8 44.8

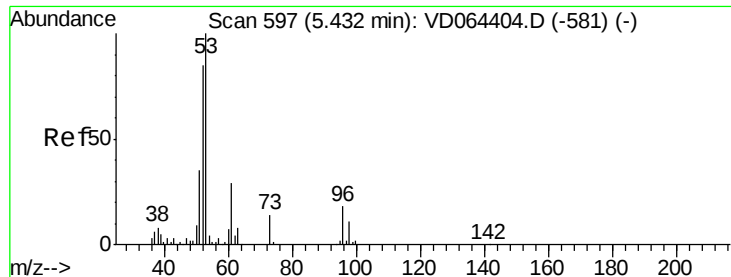


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 61.602 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

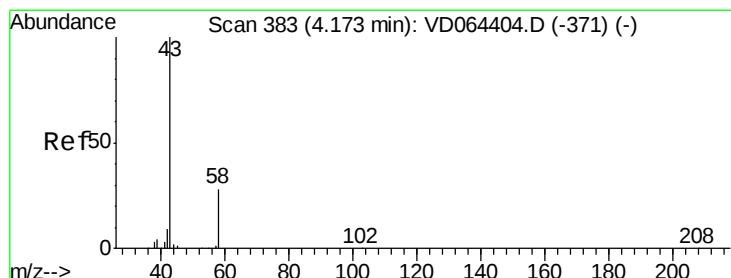
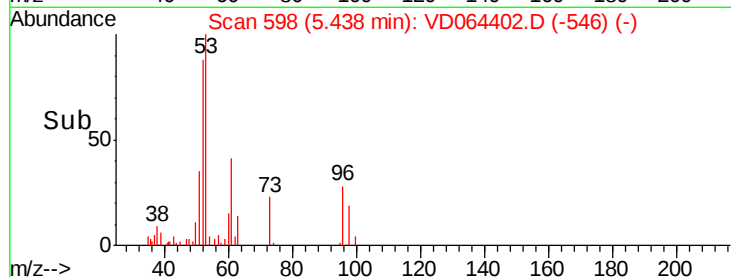
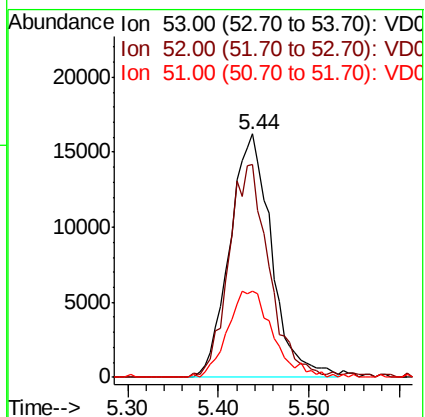
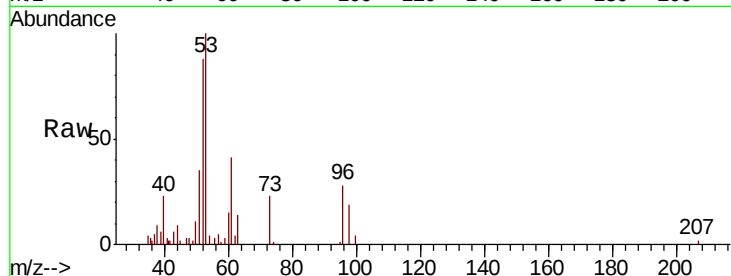
Tot Ion: 53 Resp: 51840

Ion Ratio Lower Upper

53 100

52 84.6 67.9 101.9

51 38.4 30.6 45.8



#16

Acetone

Concen: 55.387 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064402.D

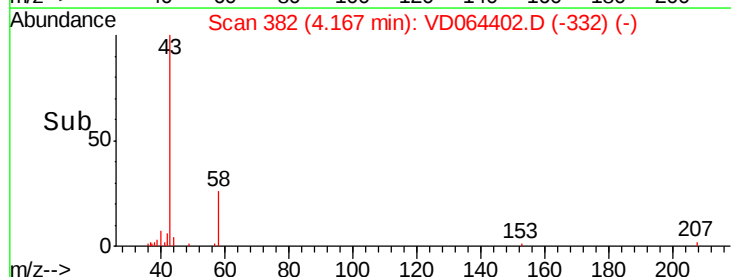
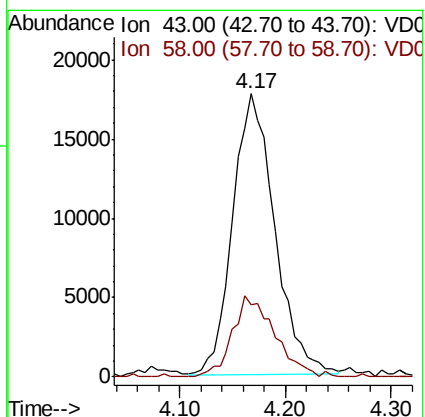
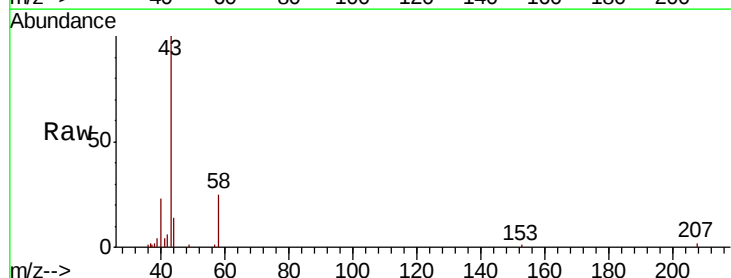
Acq: 27 Nov 2019 18:22

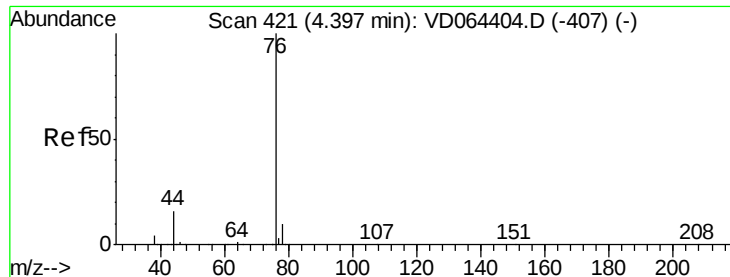
Tgt Ion: 43 Resp: 48935

Ion Ratio Lower Upper

43 100

58 25.6 22.6 33.8

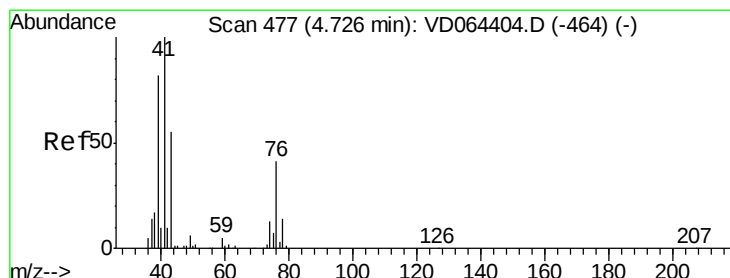
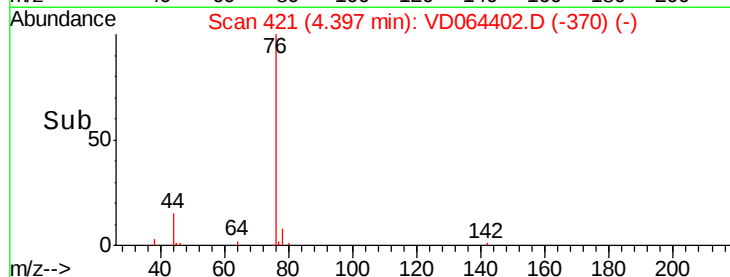
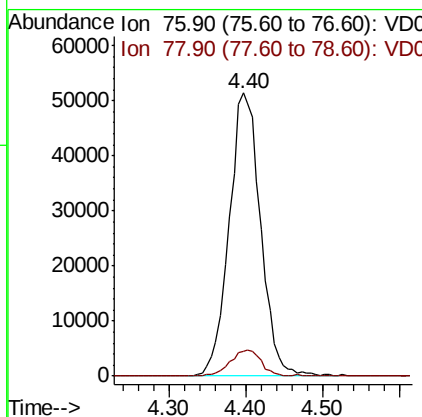
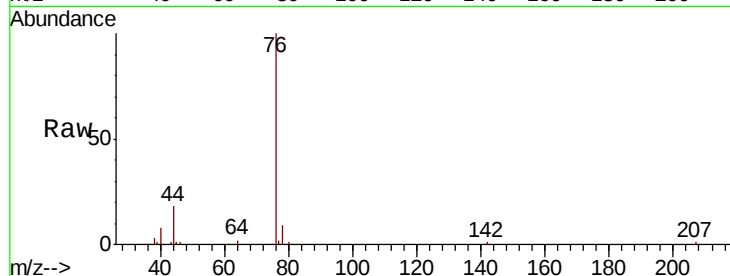




#17
Carbon Disulfide
Concen: 12.077 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

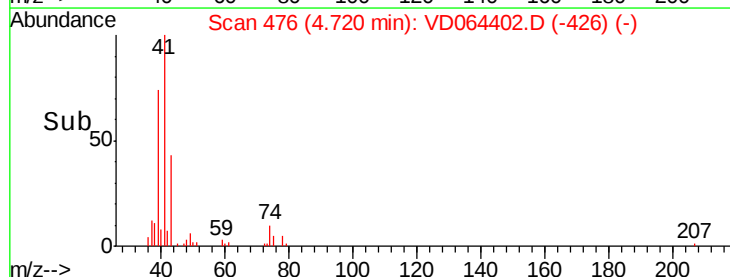
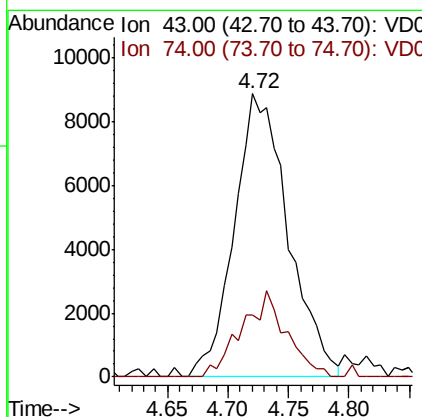
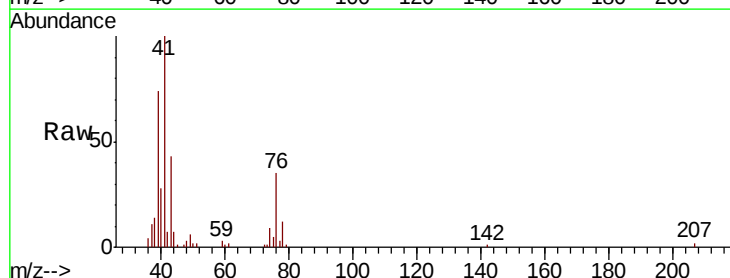
Instrument :
MSVOA_D
ClientSampleId :

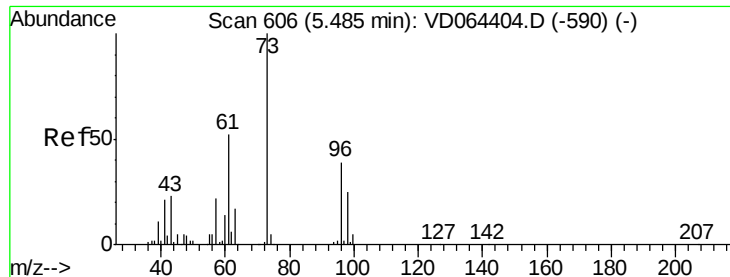
Tot Ion: 76 Resp: 146573
Ion Ratio Lower Upper
76 100
78 9.0 7.8 11.8



#18
Methyl Acetate
Concen: 11.091 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

Tgt Ion: 43 Resp: 27565
Ion Ratio Lower Upper
43 100
74 25.1 19.7 29.5



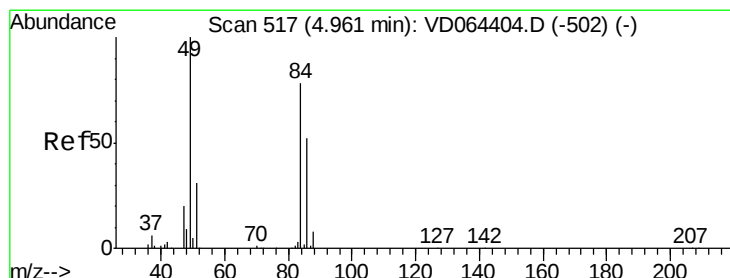
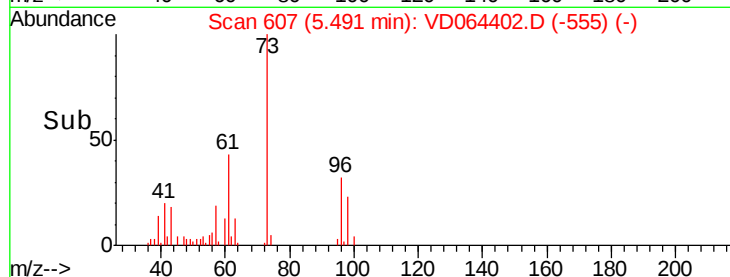
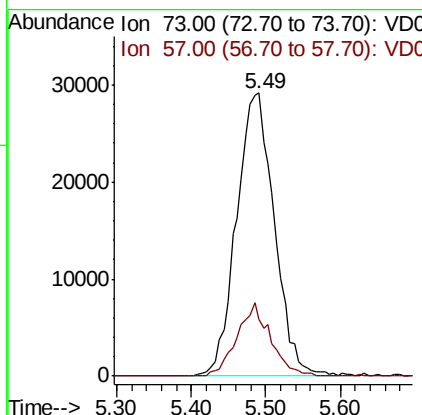
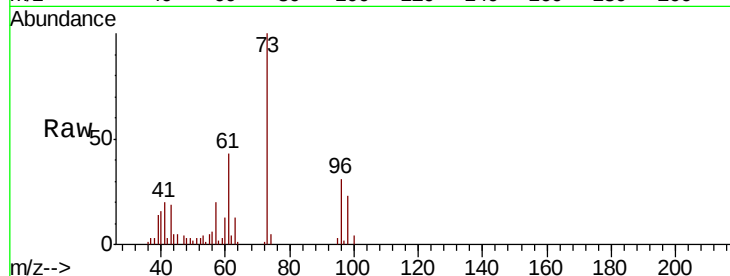


#19

Methyl tert-butyl Ether
 Concen: 11.101 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :

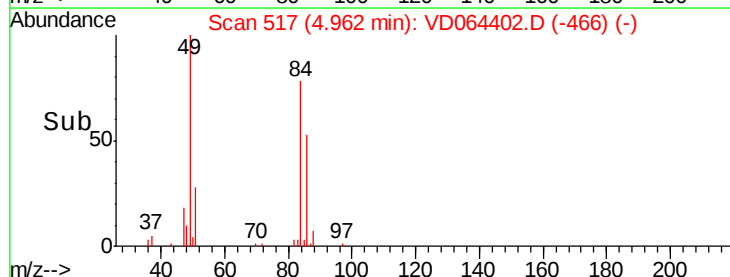
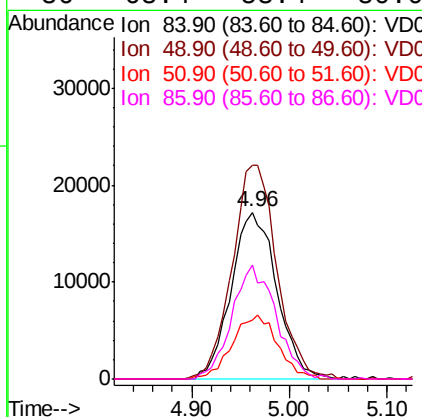
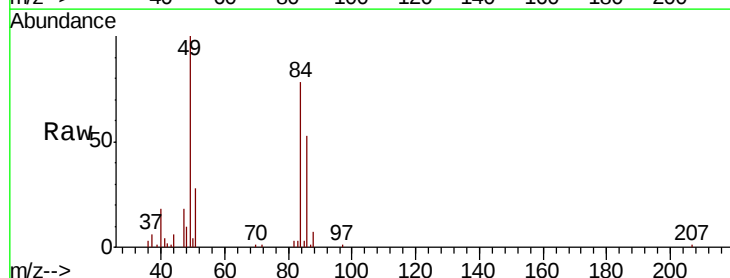
Tot Ion: 73 Resp: 102569
 Ion Ratio Lower Upper
 73 100
 57 20.1 17.6 26.4

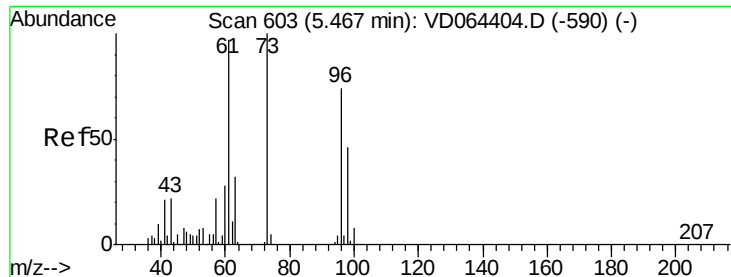


#20

Methylene Chloride
 Concen: 12.306 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Tgt Ion: 84 Resp: 56049
 Ion Ratio Lower Upper
 84 100
 49 128.0 102.6 153.8
 51 35.6 32.0 48.0
 86 68.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 11.791 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampled :

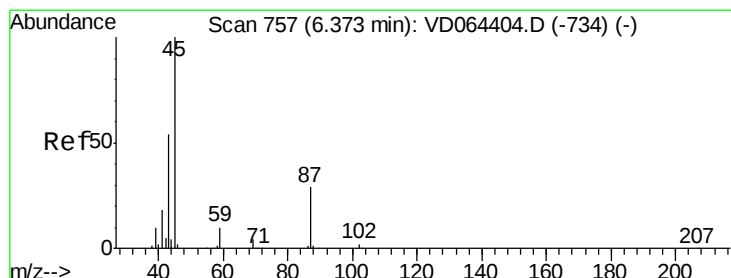
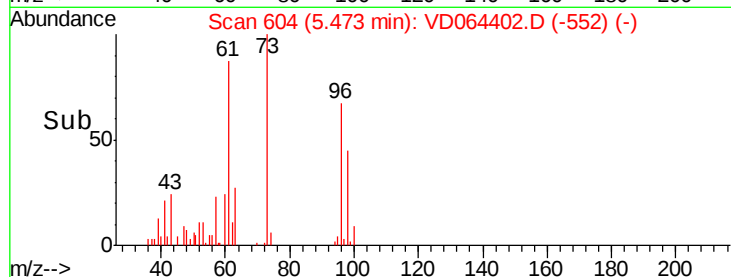
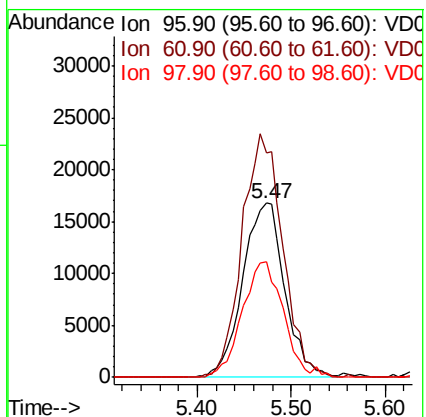
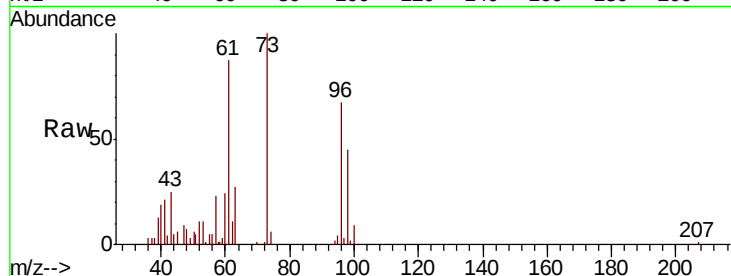
Tot Ion: 96 Resp: 51960

Ion Ratio Lower Upper

96 100

61 129.1 105.8 158.6

98 66.4 50.1 75.1



#22

Diisopropyl ether

Concen: 10.882 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Tgt Ion: 45 Resp: 137581

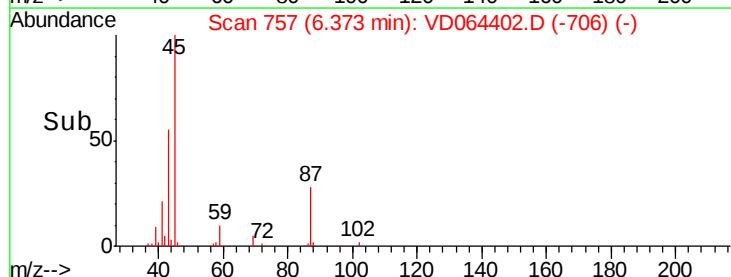
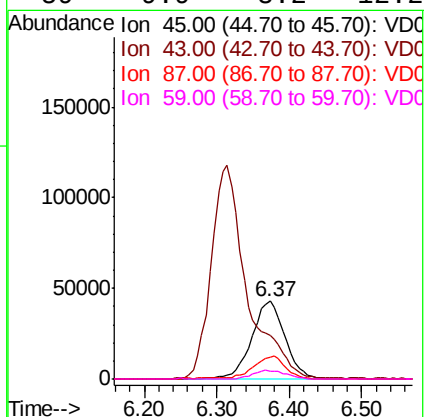
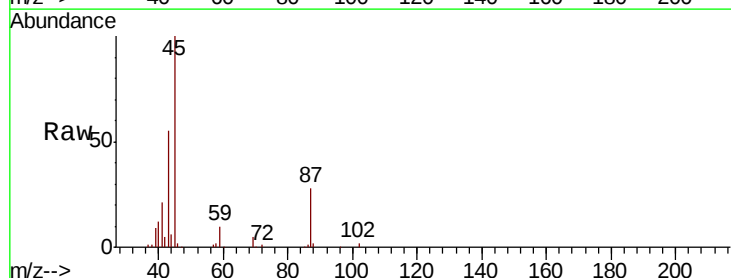
Ion Ratio Lower Upper

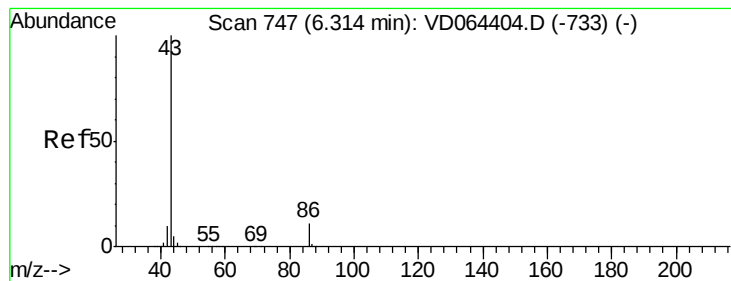
45 100

43 54.4 43.1 64.7

87 28.0 23.5 35.3

59 9.9 8.2 12.2





#23

Vinyl Acetate

Concen: 56.915 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

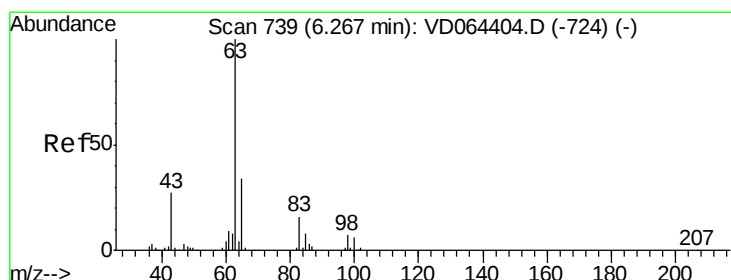
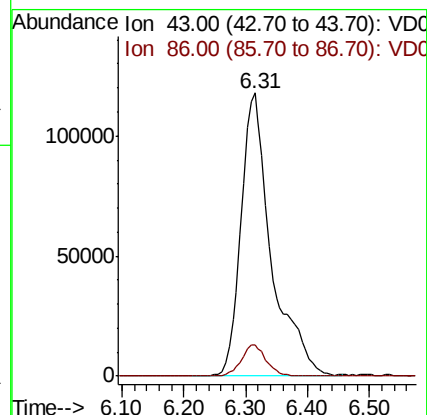
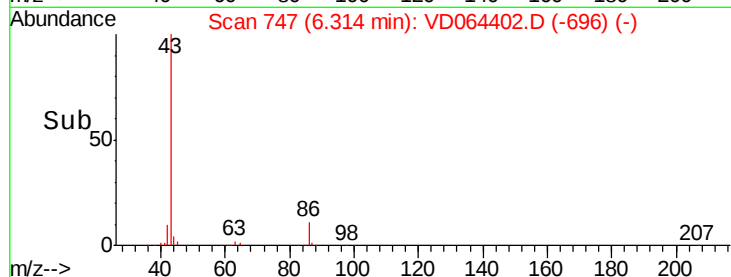
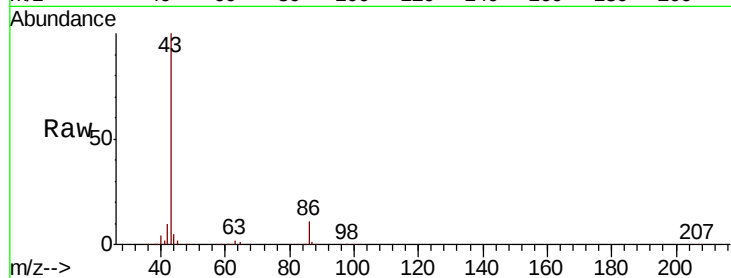
ClientSampleId :

Tot Ion: 43 Resp: 404377

Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3



#24

1,1-Dichloroethane

Concen: 11.497 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

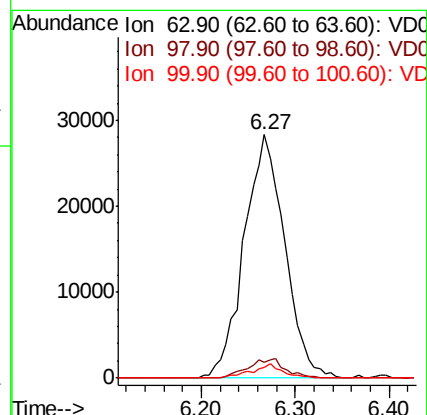
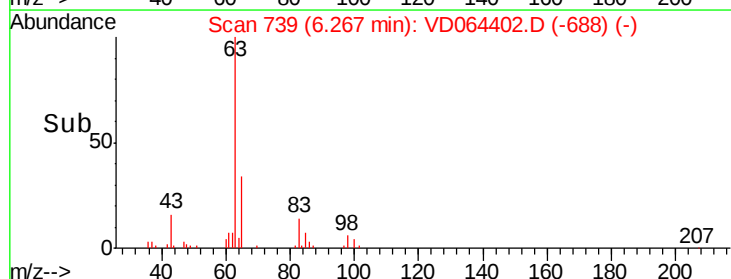
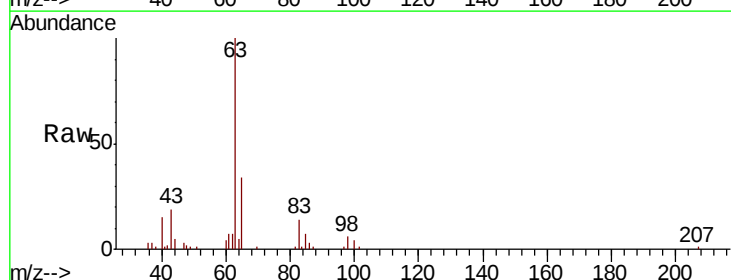
Tgt Ion: 63 Resp: 84780

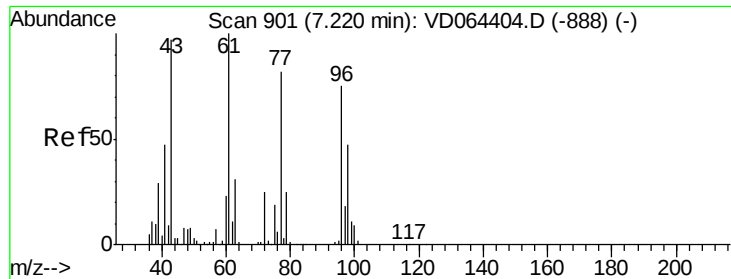
Ion Ratio Lower Upper

63 100

98 6.5 3.6 10.9

100 4.3 2.9 8.6





#25

2-Butanone

Concen: 57.915 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

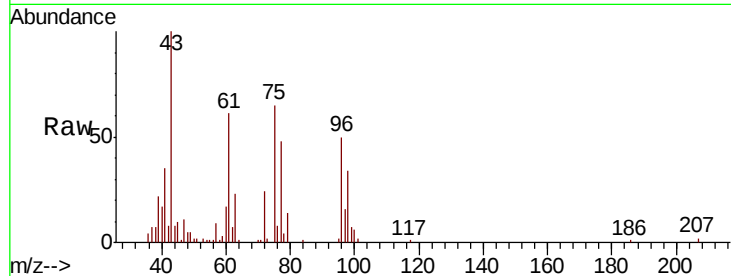
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 67149

Ion Ratio Lower Upper

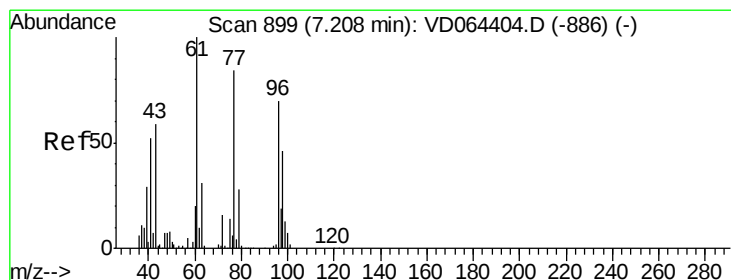
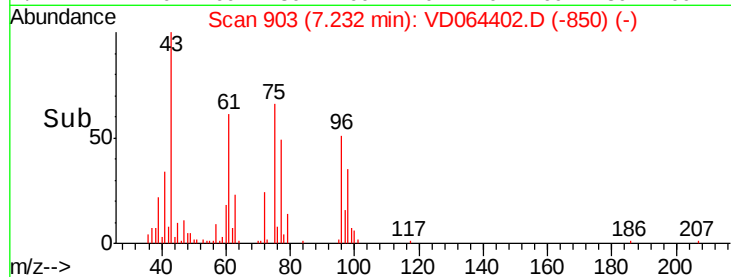
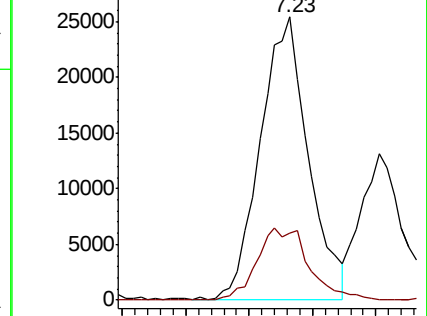
43 100

72 23.6 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: 10.244 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064402.D

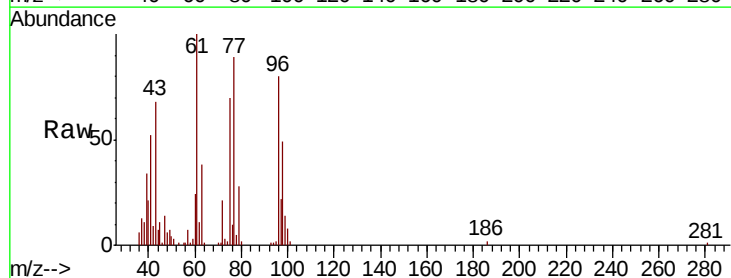
Acq: 27 Nov 2019 18:22

Tgt Ion: 77 Resp: 72651

Ion Ratio Lower Upper

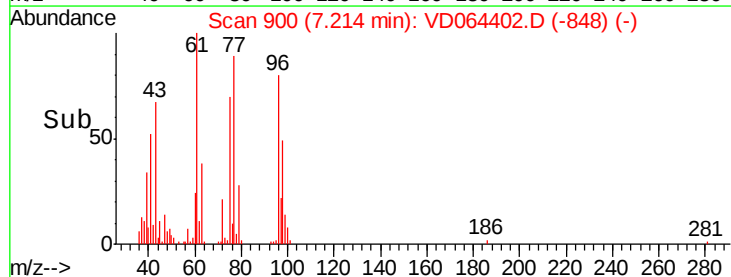
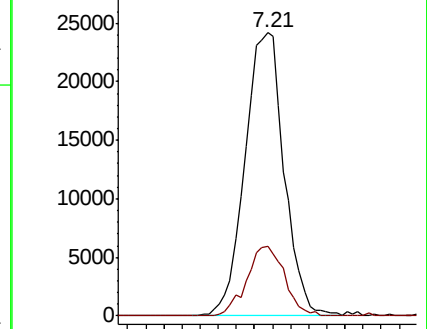
77 100

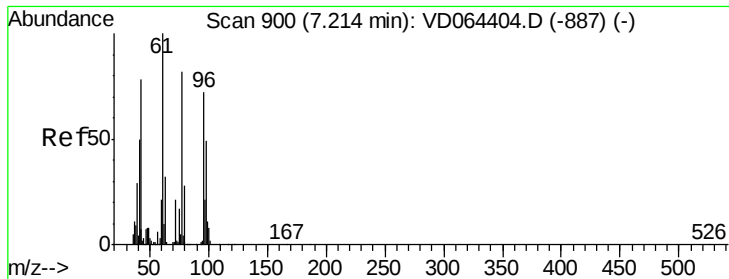
97 23.7 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



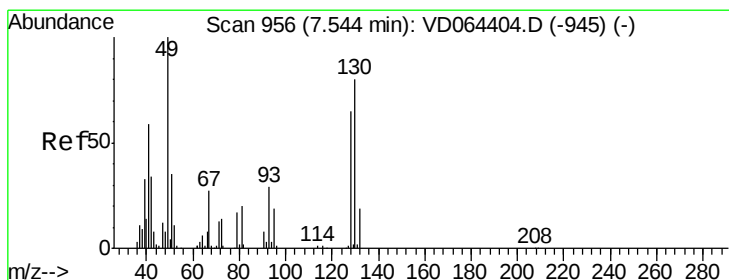
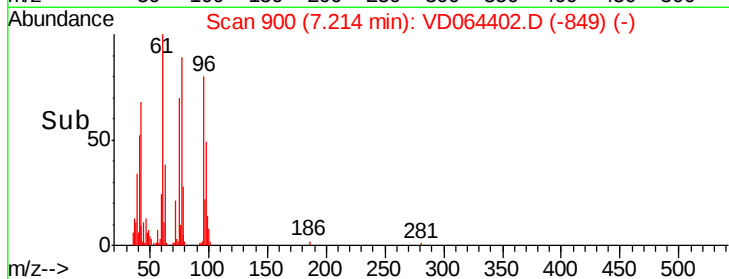
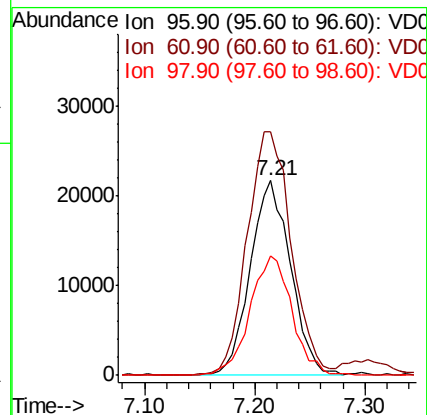
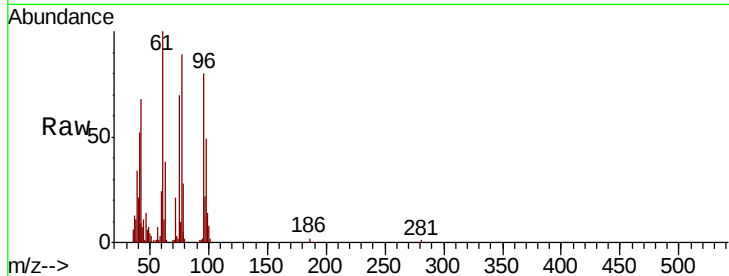


#27

cis-1,2-Dichloroethene
Concen: 11.757 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

Instrument :
MSVOA_D
ClientSampled :

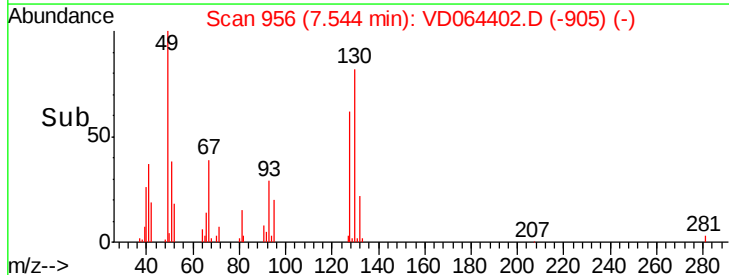
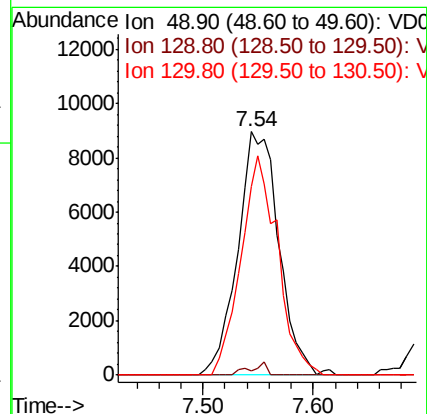
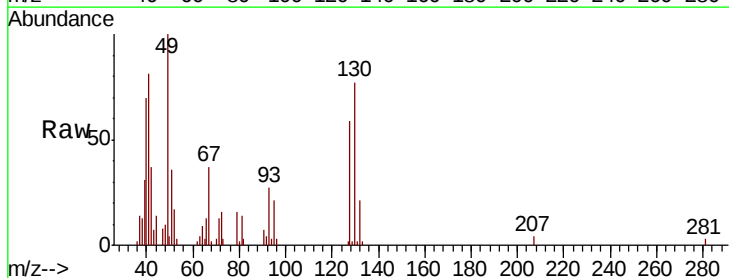
Tot Ion: 96 Resp: 55828
Ion Ratio Lower Upper
96 100
61 136.8 0.0 279.6
98 63.6 0.0 129.2

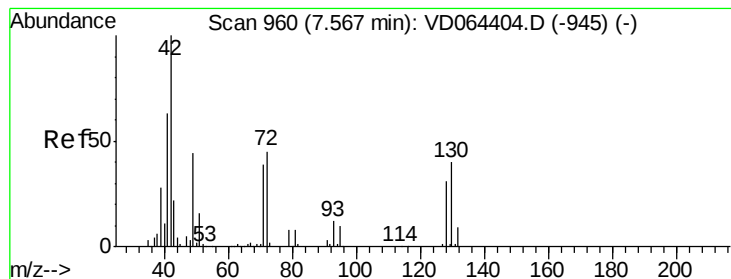


#28

Bromochloromethane
Concen: 9.155 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

Tgt Ion: 49 Resp: 23463
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.4
130 80.6 67.4 101.0





#29

Tetrahydrofuran

Concen: 62.469 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

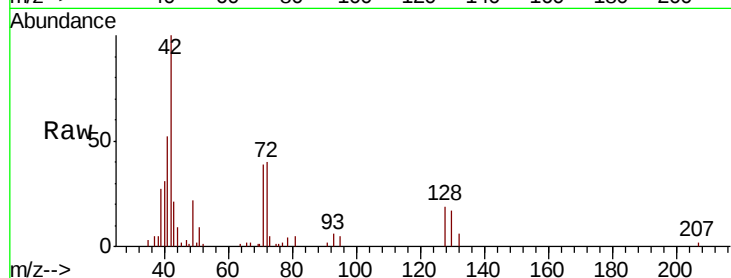
Tot Ion: 42 Resp: 43683

Ion Ratio Lower Upper

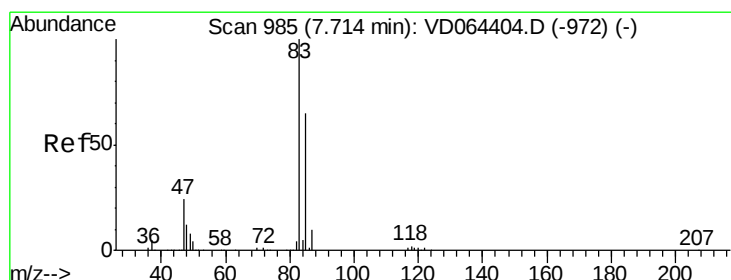
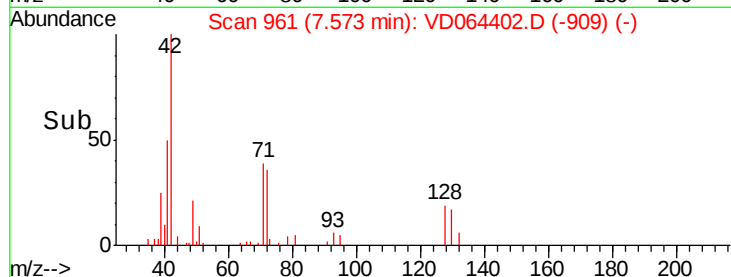
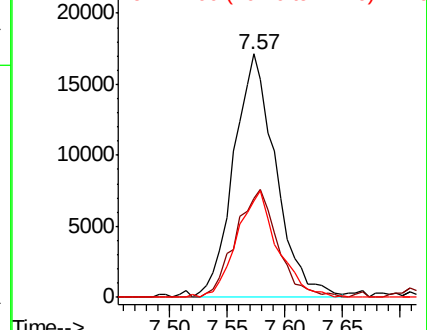
42 100

72 43.9 35.8 53.8

71 41.9 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: 11.468 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064402.D

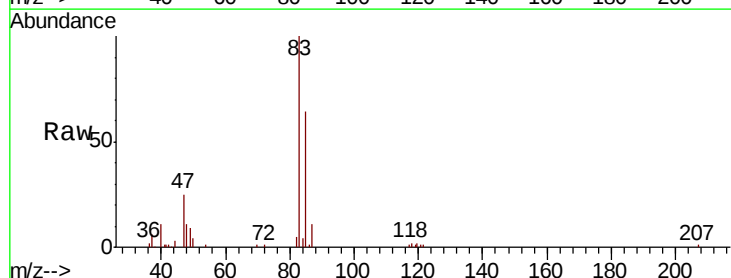
Acq: 27 Nov 2019 18:22

Tgt Ion: 83 Resp: 86769

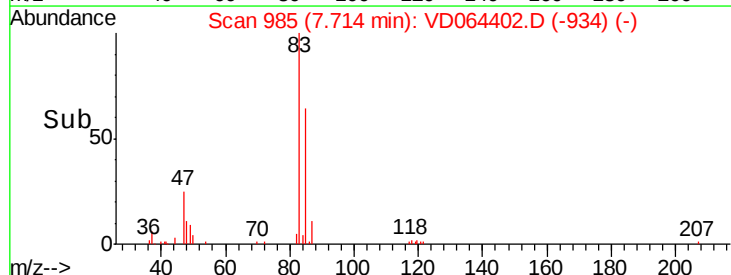
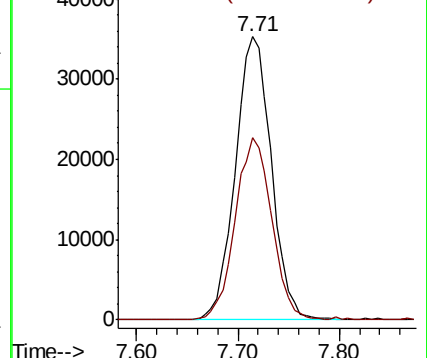
Ion Ratio Lower Upper

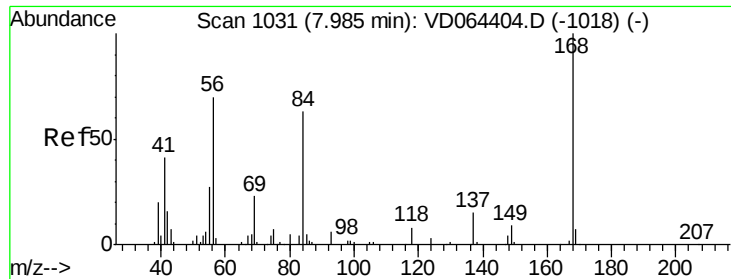
83 100

85 64.5 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: 11.458 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampled :

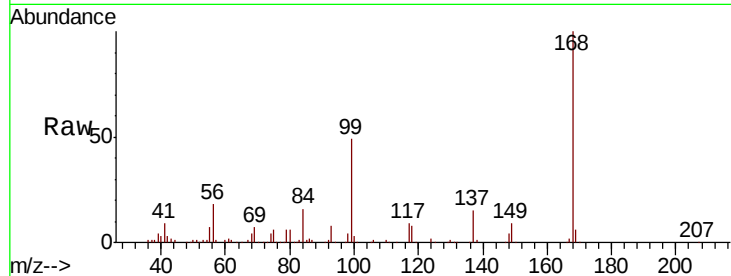
Tot Ion: 56 Resp: 84785

Ion Ratio Lower Upper

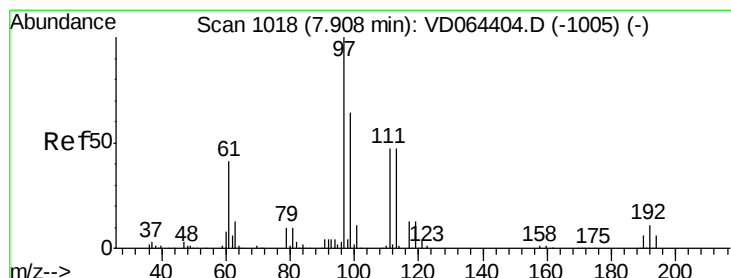
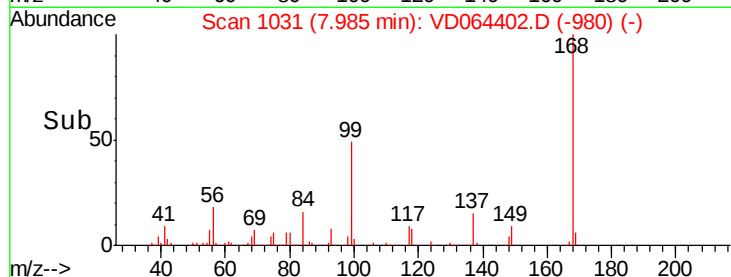
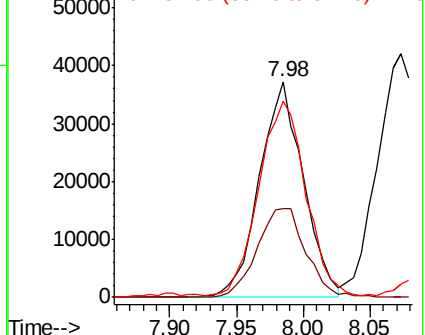
56 100

69 41.4 26.2 39.4#

84 89.5 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: 11.407 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

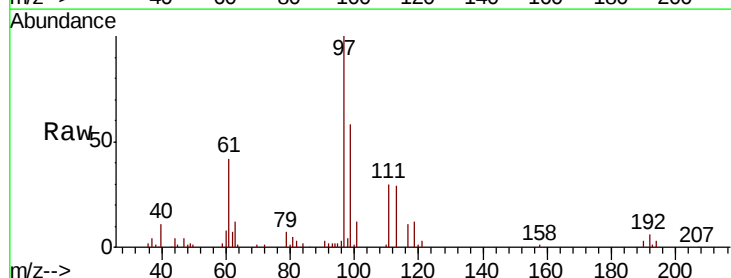
Tgt Ion: 97 Resp: 82177

Ion Ratio Lower Upper

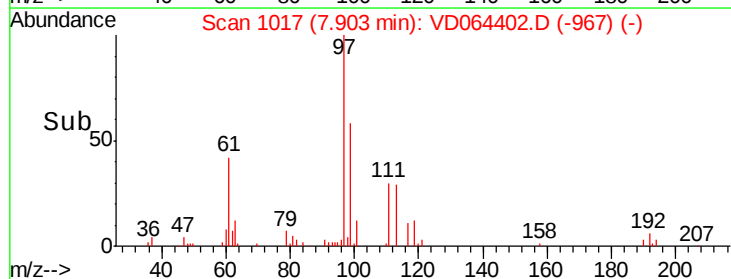
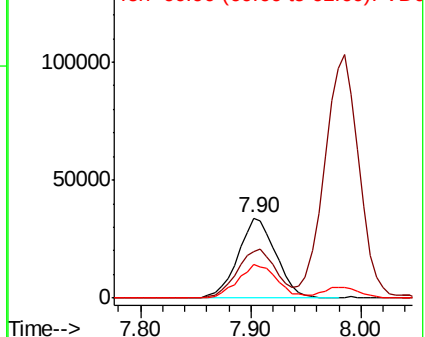
97 100

99 62.4 51.4 77.2

61 43.7 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: 11.659 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

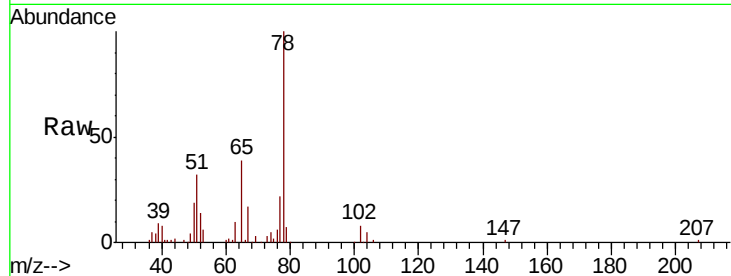
ClientSampleId :

Tot Ion: 65 Resp: 43941

Ion Ratio Lower Upper

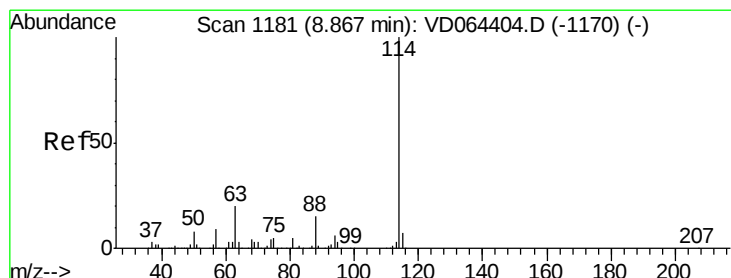
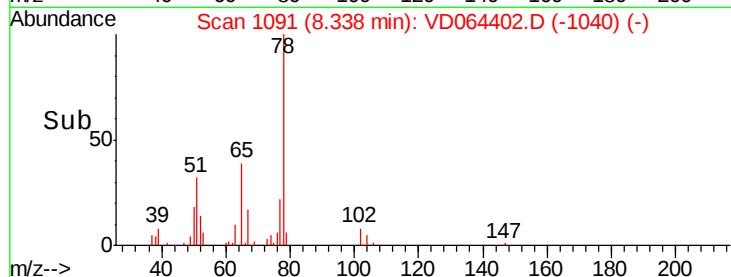
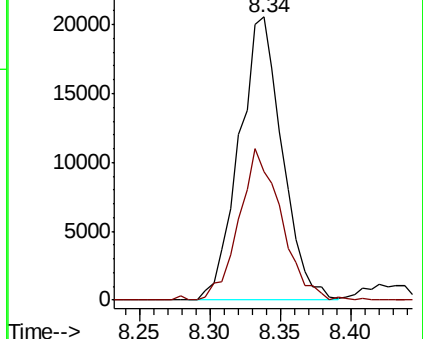
65 100

67 52.7 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

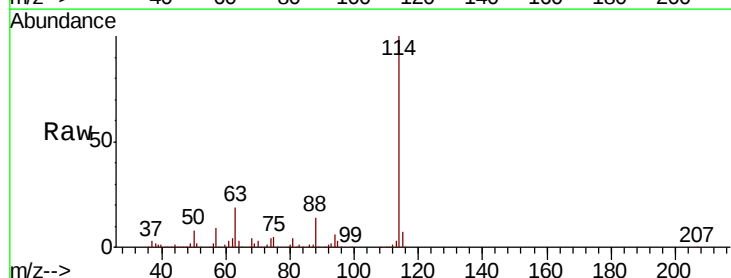
Tgt Ion:114 Resp: 665256

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

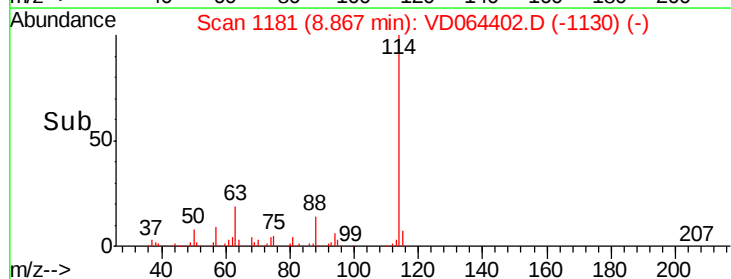
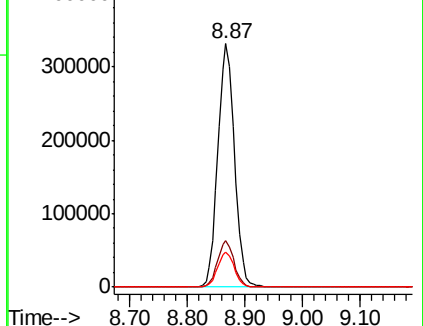
88 14.1 0.0 29.2

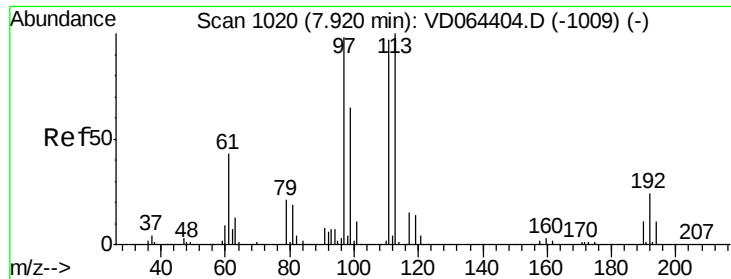


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

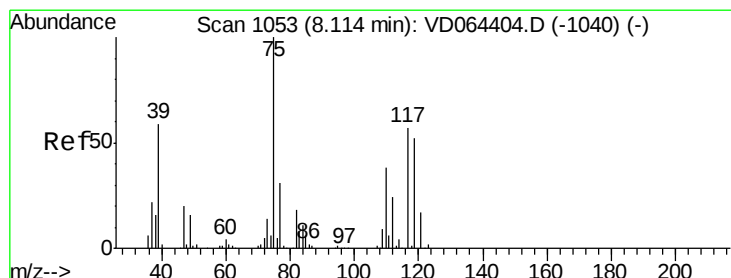
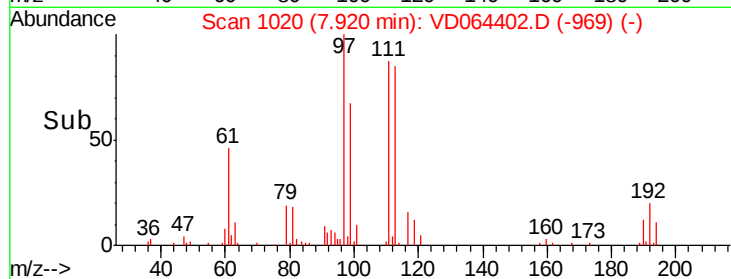
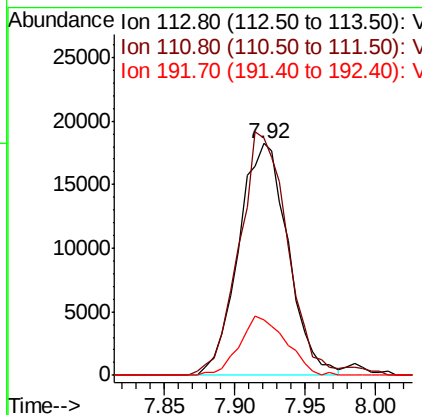
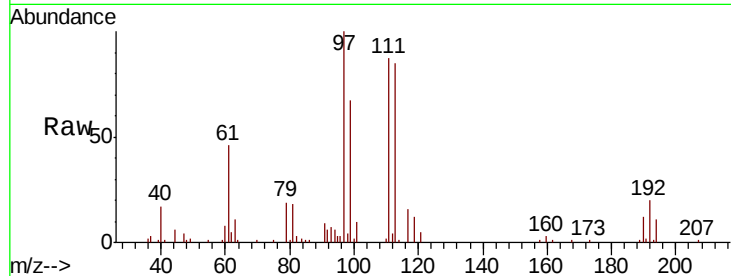




#35
 Dibromofluoromethane
 Concen: 11.745 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

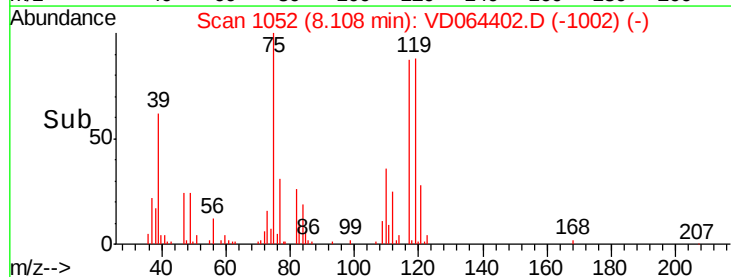
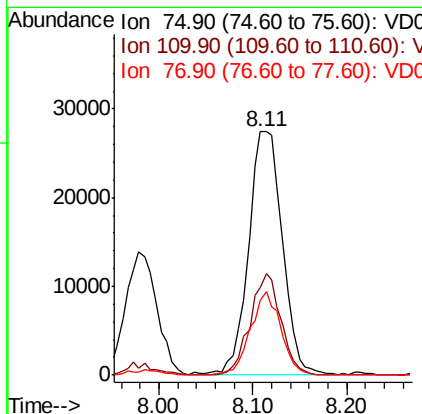
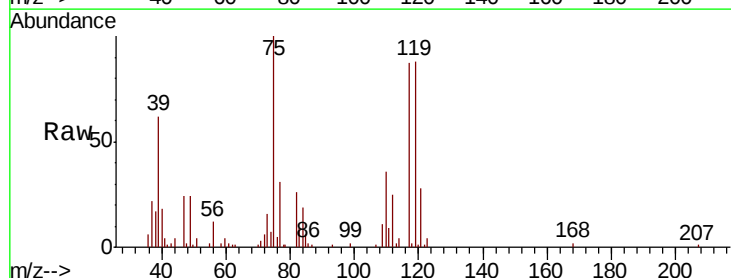
Instrument :
 MSVOA_D
 ClientSampleId :

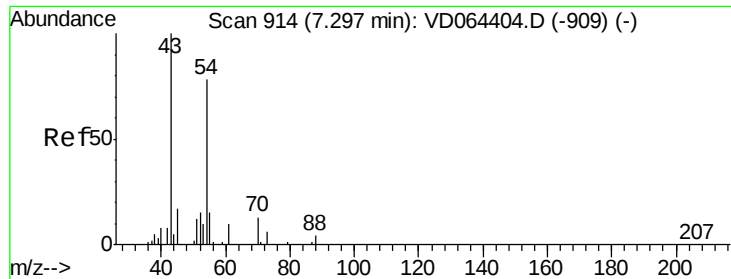
Tot Ion:113 Resp: 44799
 Ion Ratio Lower Upper
 113 100
 111 102.4 79.4 119.2
 192 23.8 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 11.283 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Tgt Ion: 75 Resp: 68773
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.6 55.8
 77 30.6 25.0 37.4

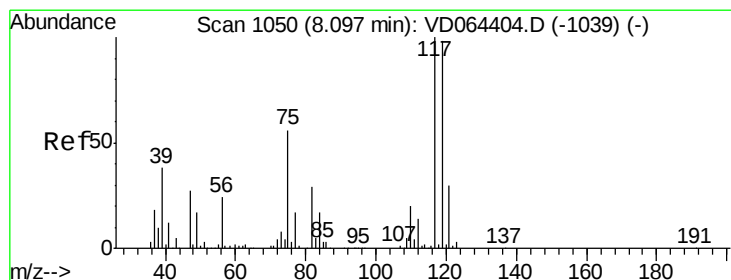
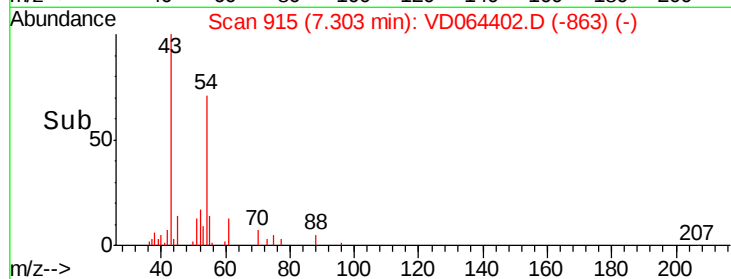
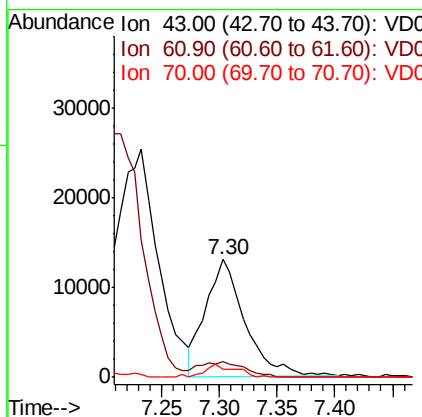
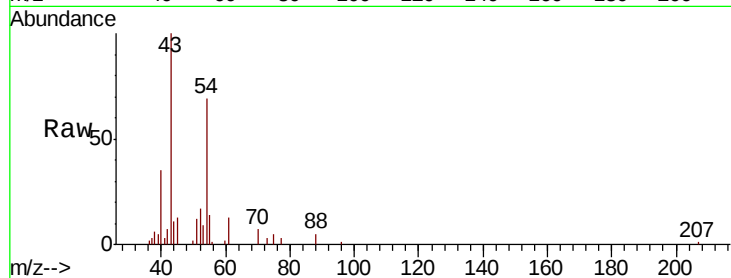




#37
Ethyl Acetate
Concen: 11.814 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

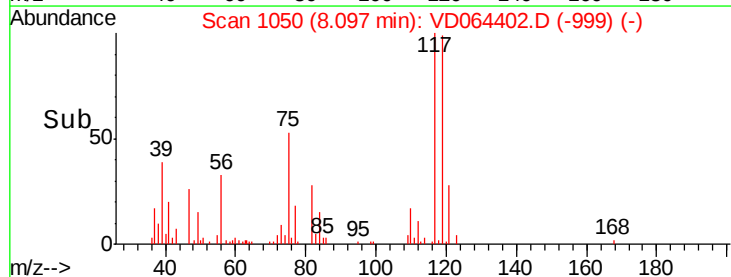
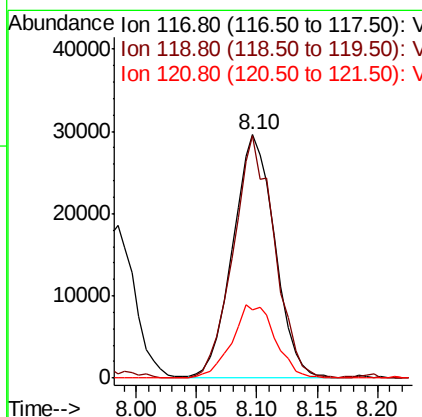
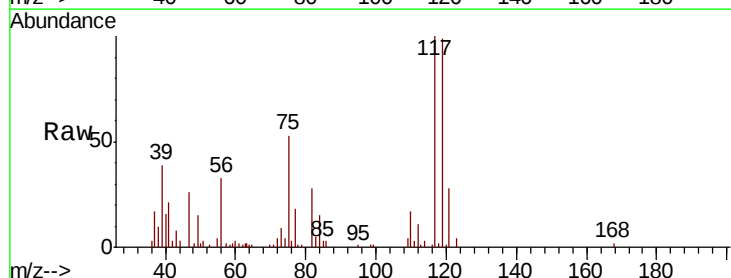
Instrument :
MSVOA_D
ClientSampleID :

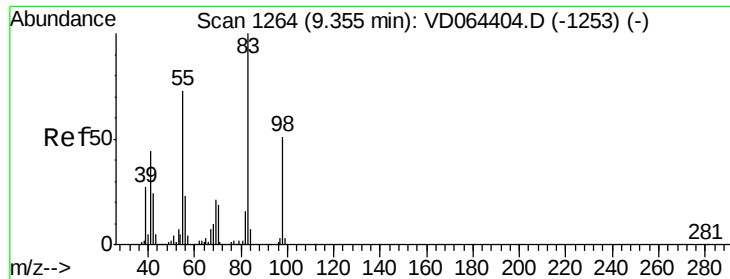
Tot Ion: 43 Resp: 30659
Ion Ratio Lower Upper
43 100
61 15.6 10.9 16.3
70 9.0 8.3 12.5



#38
Carbon Tetrachloride
Concen: 10.935 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

Tgt Ion: 117 Resp: 71596
Ion Ratio Lower Upper
117 100
119 99.4 78.8 118.2
121 27.8 24.2 36.2

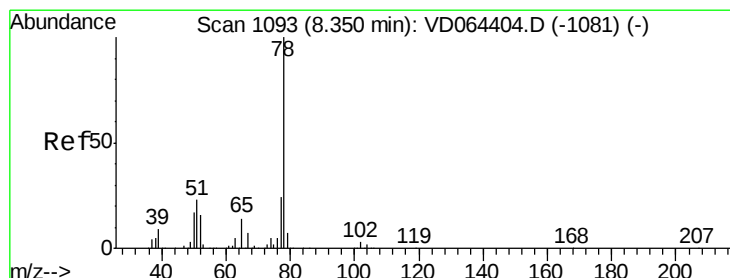
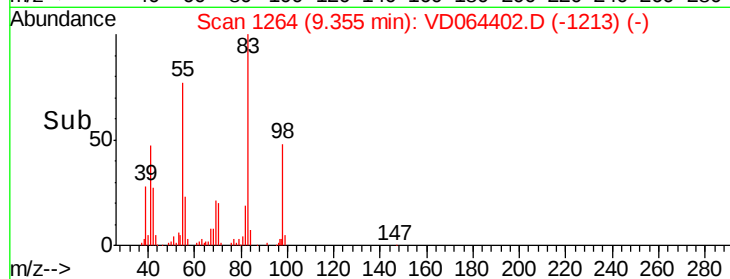
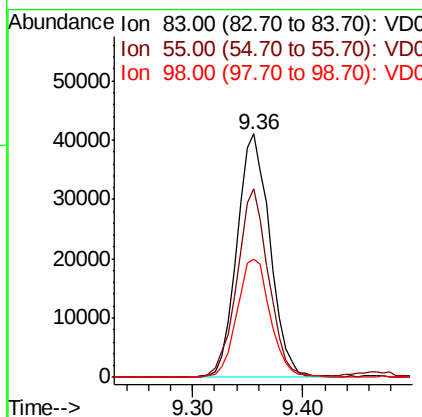
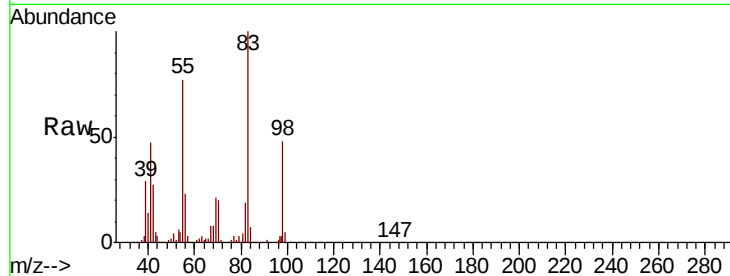




#39
Methvlcvclohexane
Concen: 11.112 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

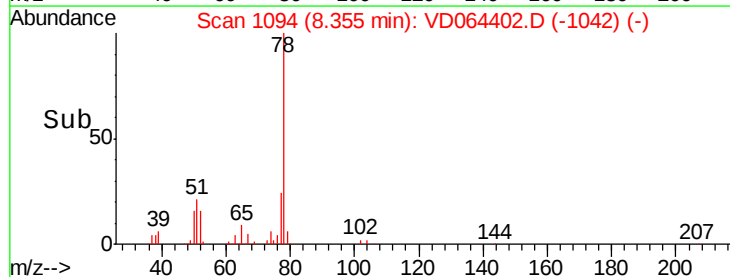
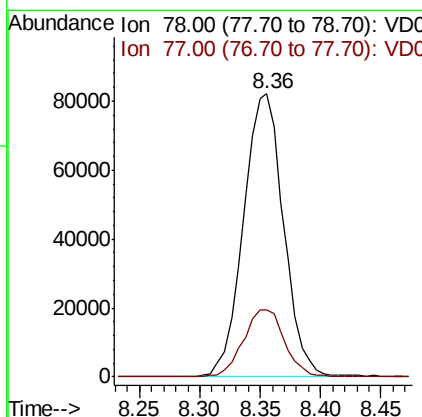
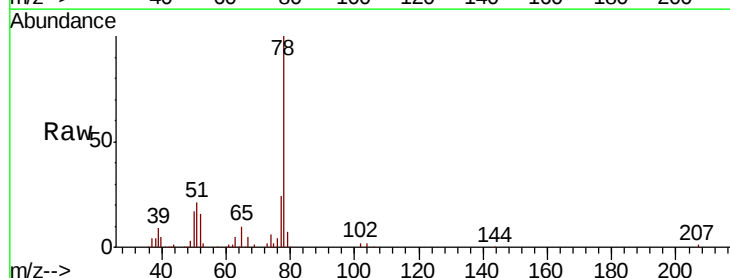
Instrument :
MSVOA_D
ClientSampled :

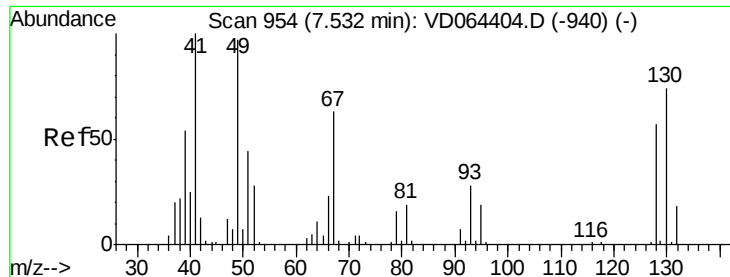
Tot Ion: 83 Resp: 86191
Ion Ratio Lower Upper
83 100
55 77.3 58.6 87.8
98 48.5 40.9 61.3



#40
Benzene
Concen: 11.324 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

Tgt Ion: 78 Resp: 190058
Ion Ratio Lower Upper
78 100
77 23.8 19.6 29.4





#41

Methacrylonitrile

Concen: 8.729 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 14189

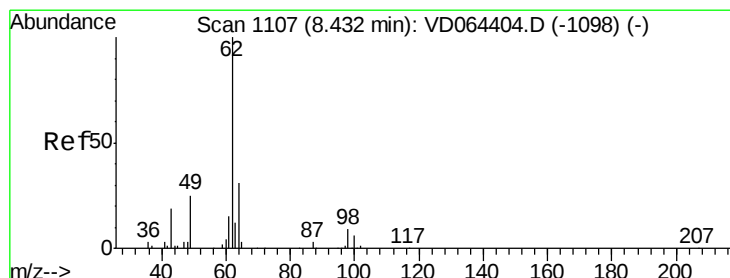
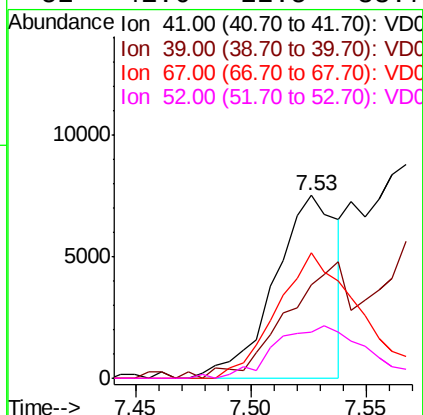
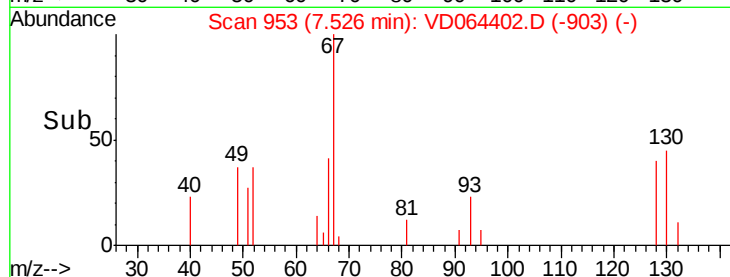
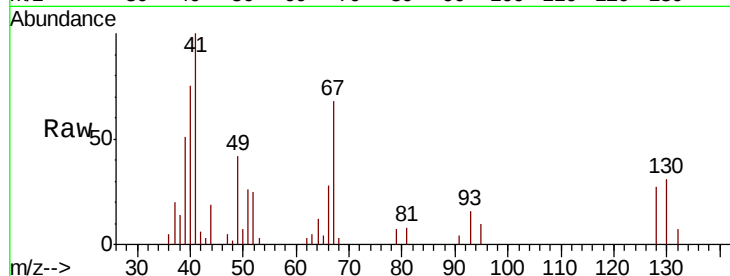
Ion Ratio Lower Upper

41 100

39 71.3 44.6 67.0#

67 88.8 50.9 76.3#

52 41.6 22.5 33.7#



#42

1,2-Dichloroethane

Concen: 11.353 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064402.D

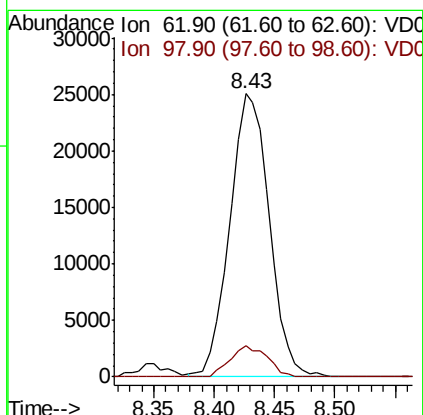
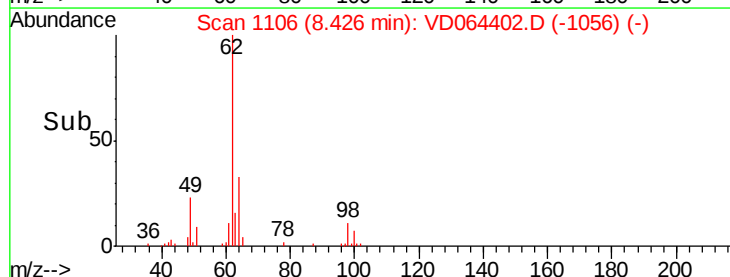
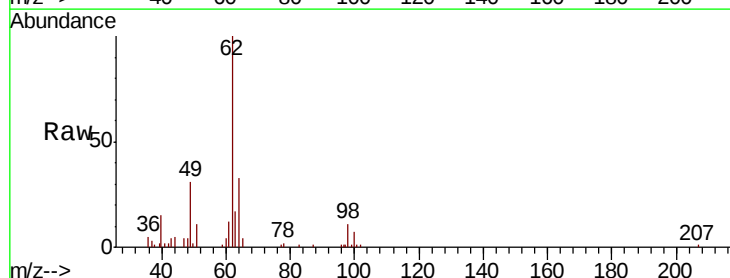
Acq: 27 Nov 2019 18:22

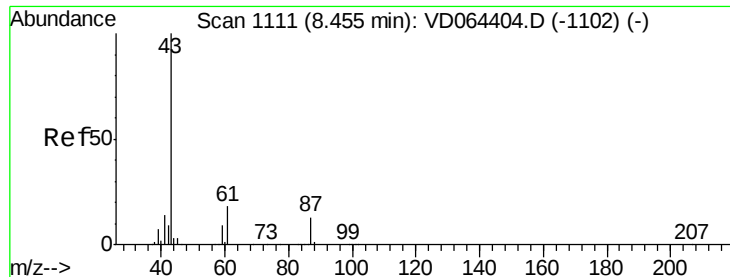
Tgt Ion: 62 Resp: 57006

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.6

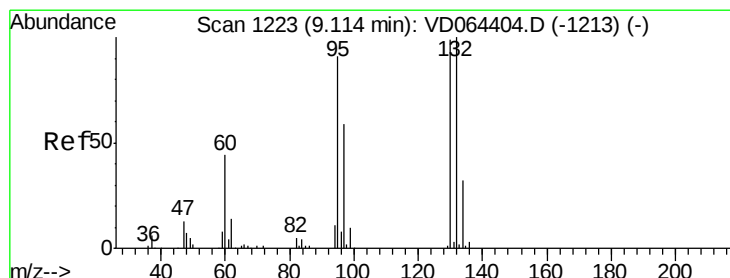
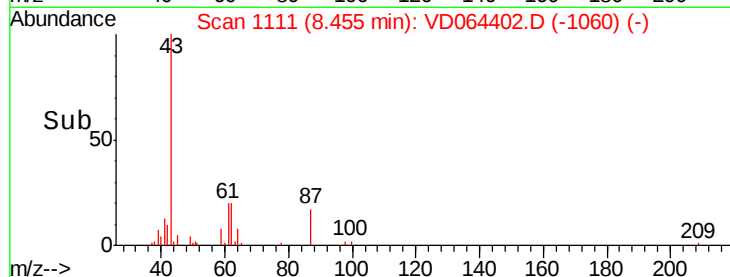
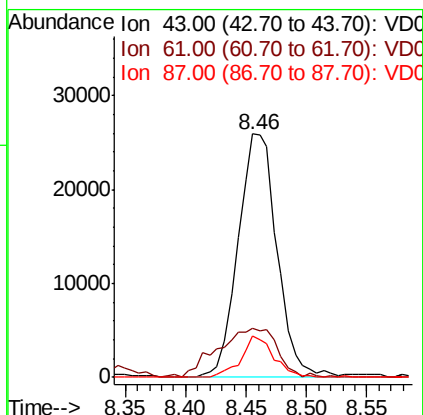
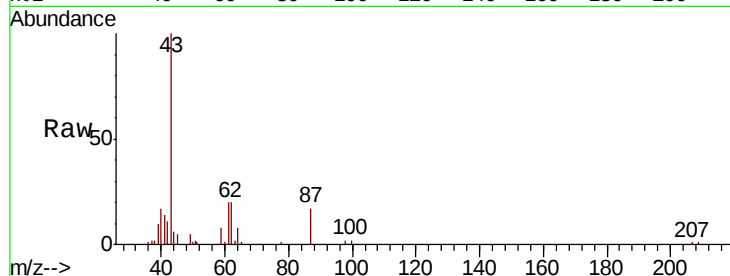




#43
Isopropyl Acetate
Concen: 10.947 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

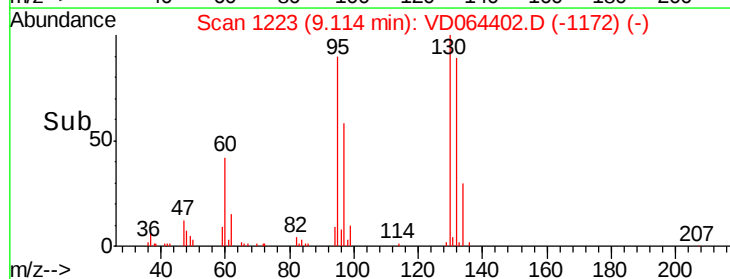
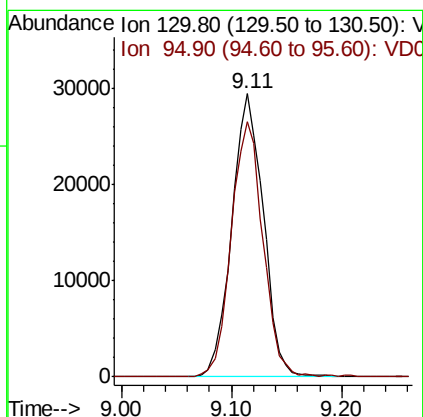
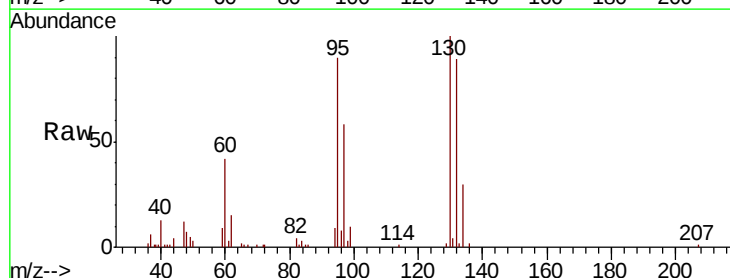
Instrument :
MSVOA_D
ClientSampleId :

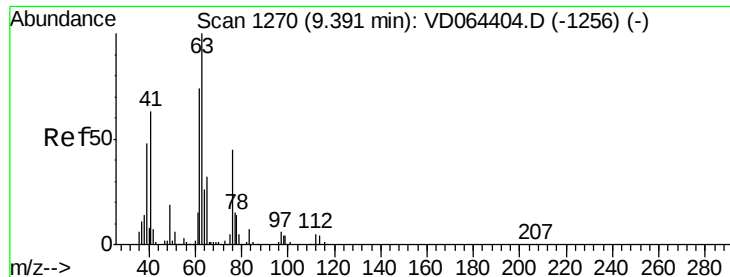
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.0	36.0
87	14.1	10.6	15.8



#44
Trichloroethene
Concen: 11.776 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	184.6





#45

1,2-Dichloropropane

Concen: 11.004 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

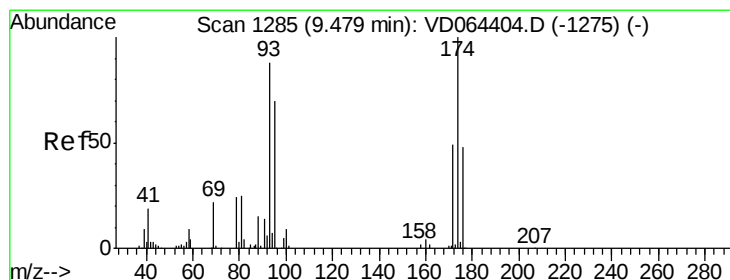
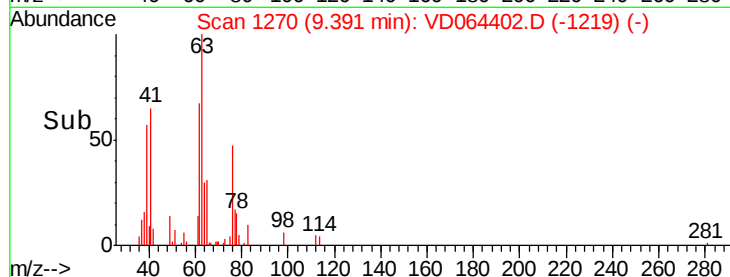
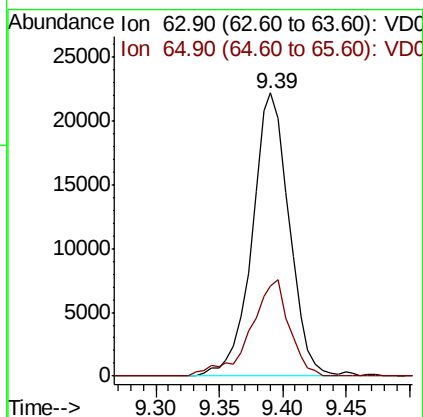
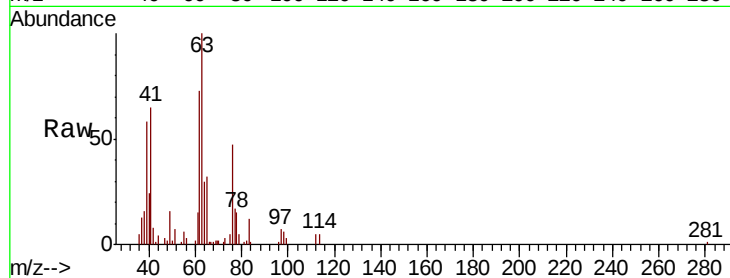
ClientSampleId :

Tot Ion: 63 Resp: 45045

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.0



#46

Dibromomethane

Concen: 11.789 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

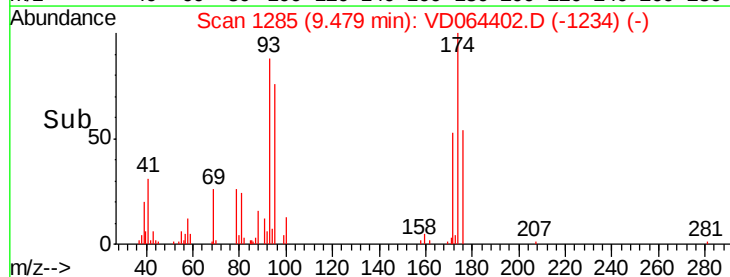
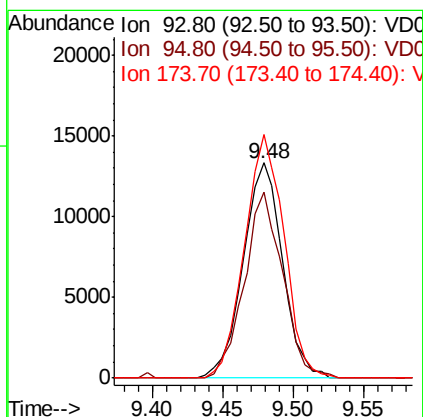
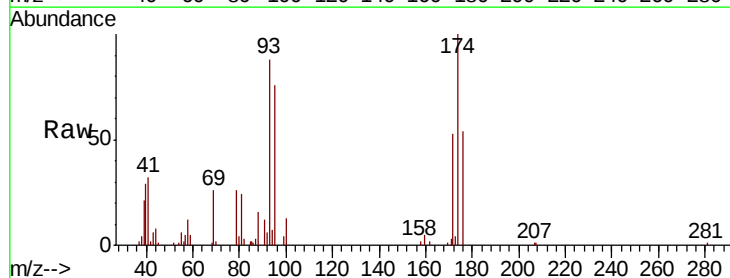
Tgt Ion: 93 Resp: 26027

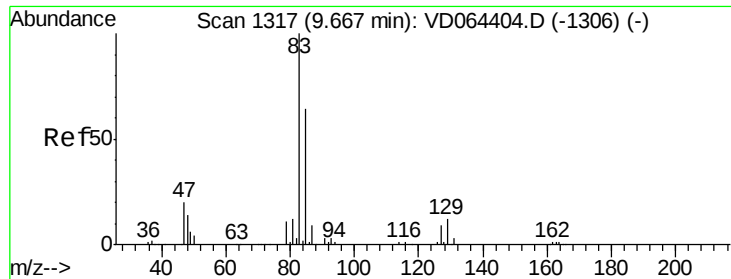
Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

174 113.4 92.3 138.5





#47

Bromodichloromethane

Concen: 11.214 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

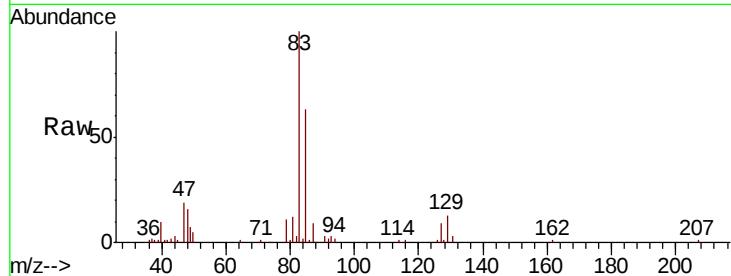
Tot Ion: 83 Resp: 66274

Ion Ratio Lower Upper

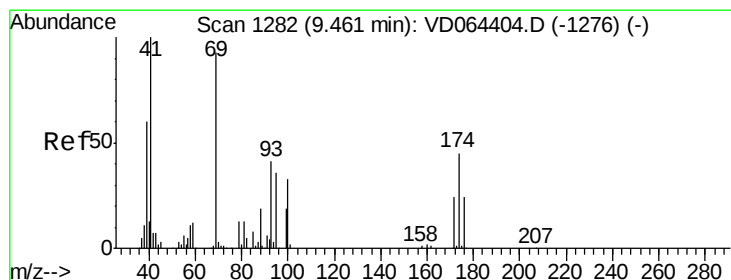
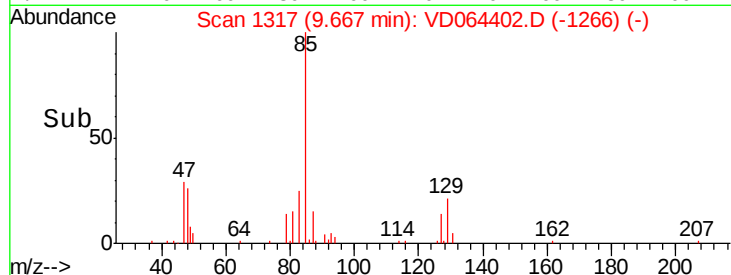
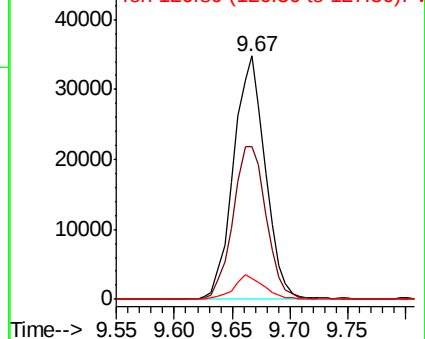
83 100

85 62.7 51.1 76.7

127 8.7 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: 10.433 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

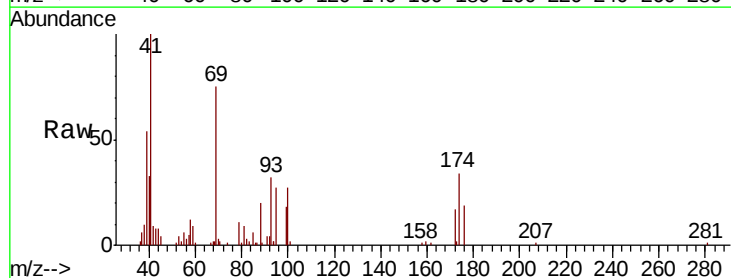
Tgt Ion: 41 Resp: 26863

Ion Ratio Lower Upper

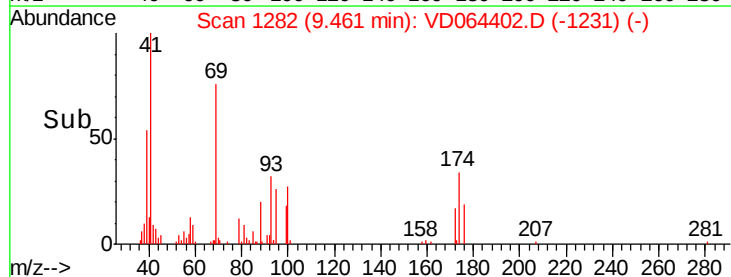
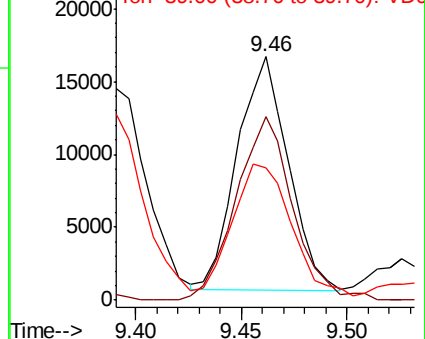
41 100

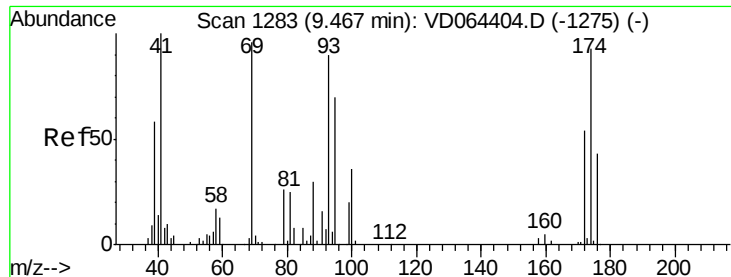
69 87.7 72.0 108.0

39 69.8 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: 261.607 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :

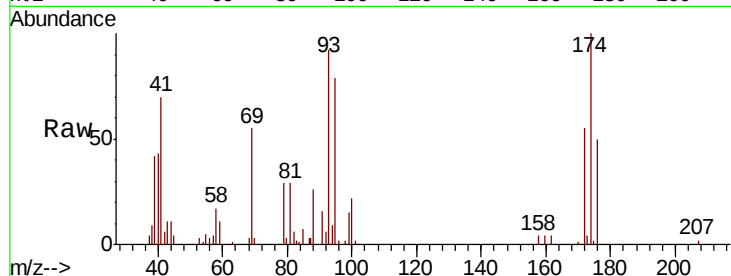
Tot Ion: 88 Resp: 6946

Ion Ratio Lower Upper

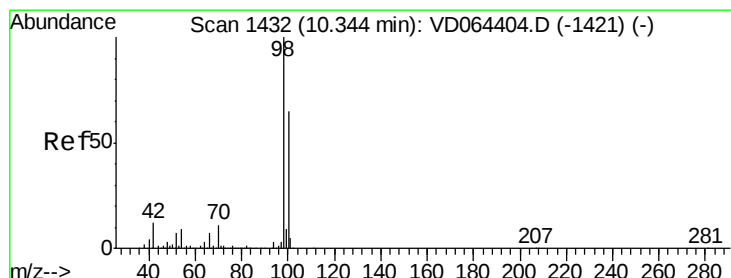
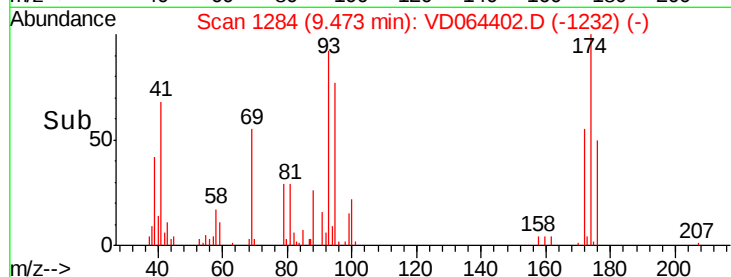
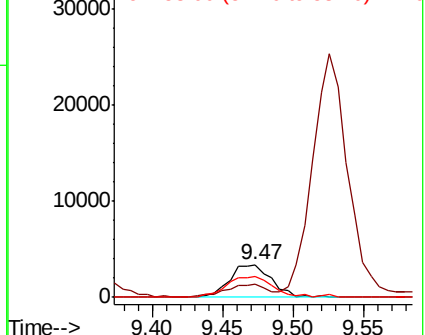
88 100

43 44.0 26.7 40.1#

58 70.6 52.3 78.5



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 11.606 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064402.D

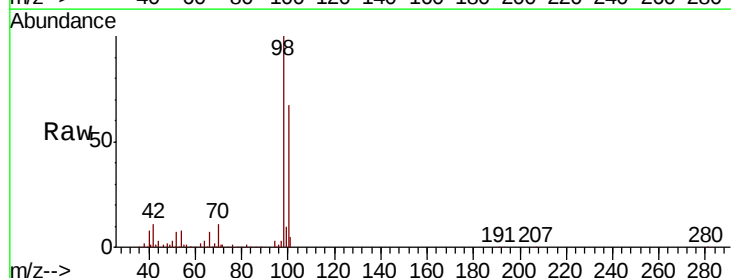
Acq: 27 Nov 2019 18:22

Tgt Ion: 98 Resp: 166249

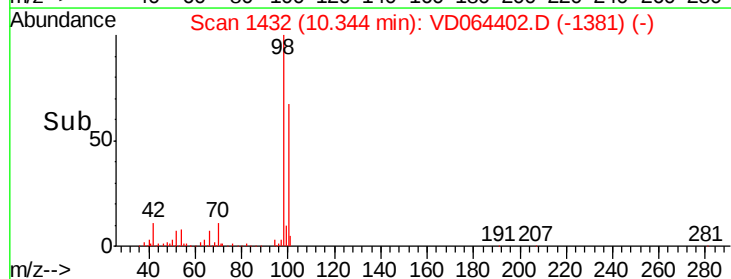
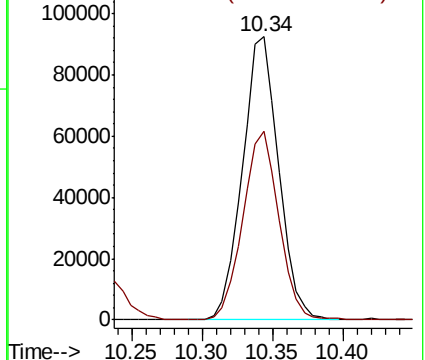
Ion Ratio Lower Upper

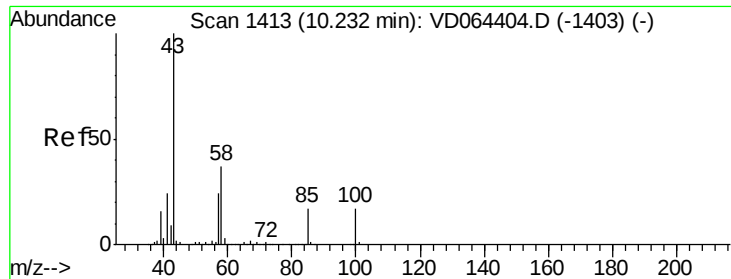
98 100

100 66.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

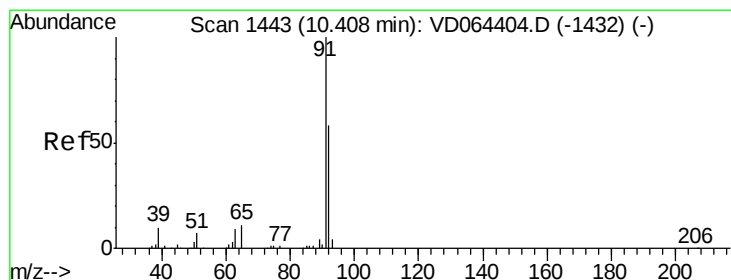
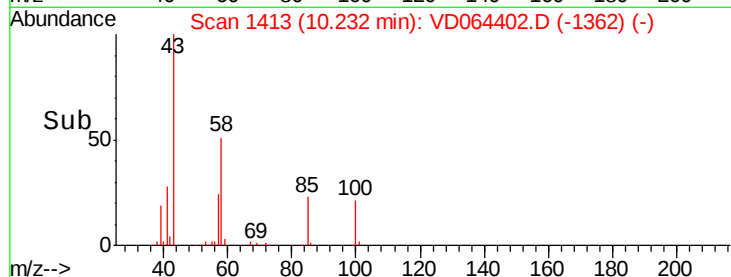
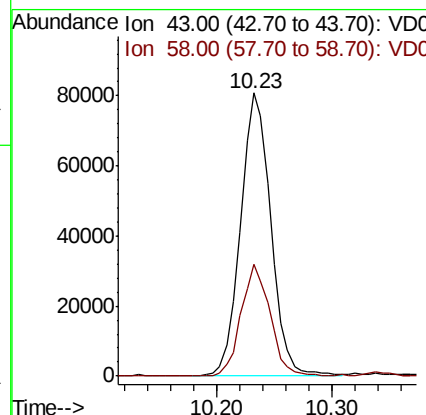
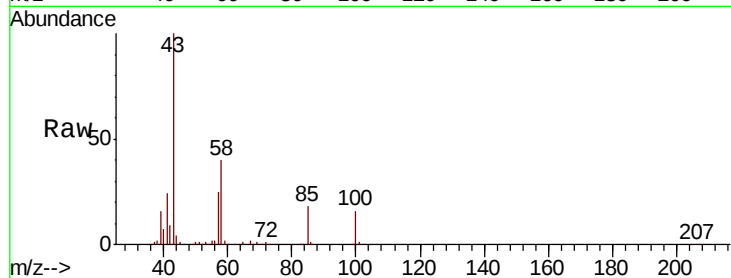




#51
 4-Methyl-2-Pentanone
 Concen: 57.356 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

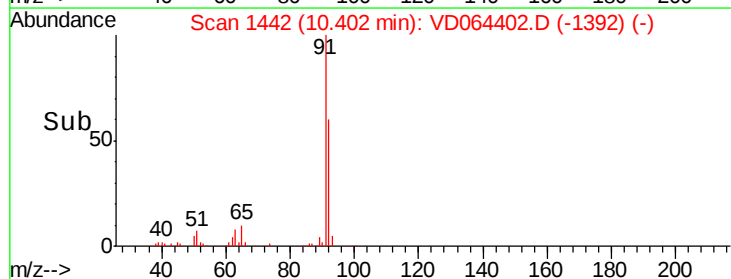
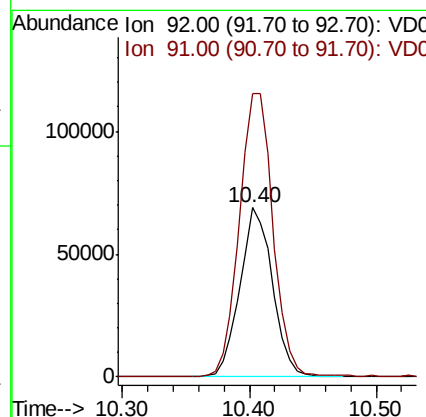
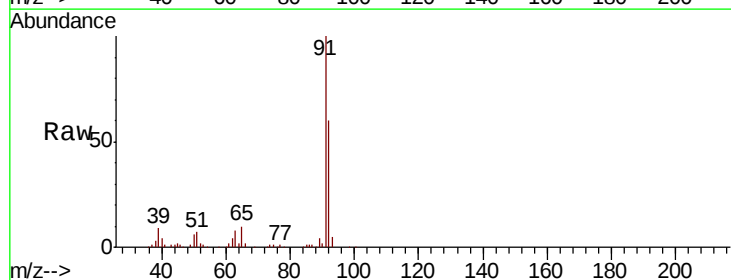
Instrument :
 MSVOA_D
 ClientSampleID :

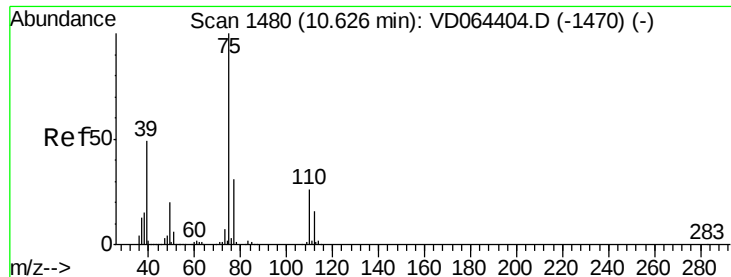
Tot Ion: 43 Resp: 146737
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.6 46.0



#52
 Toluene
 Concen: 11.186 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Tgt Ion: 92 Resp: 123165
 Ion Ratio Lower Upper
 92 100
 91 173.0 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 10.297 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

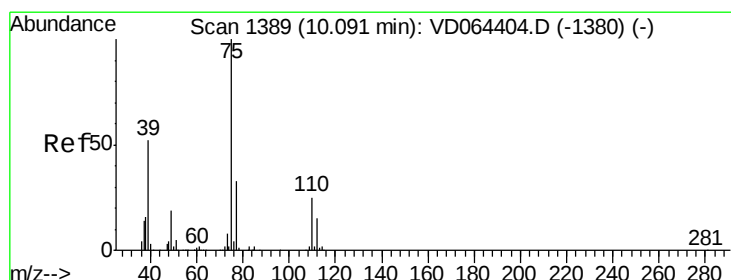
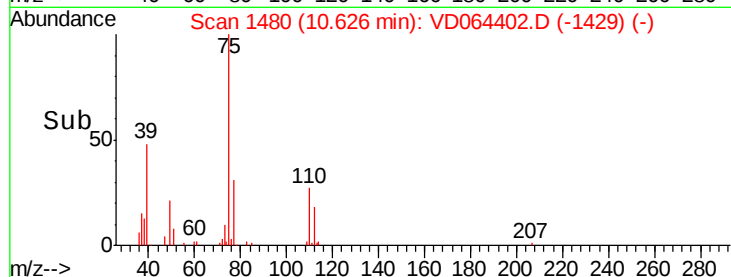
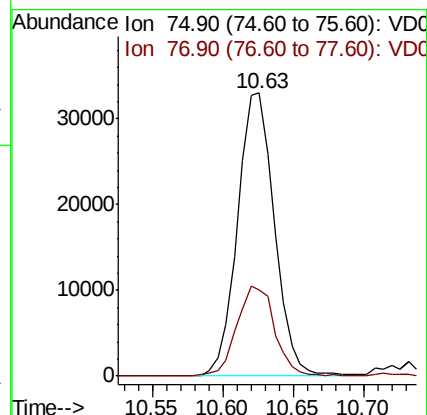
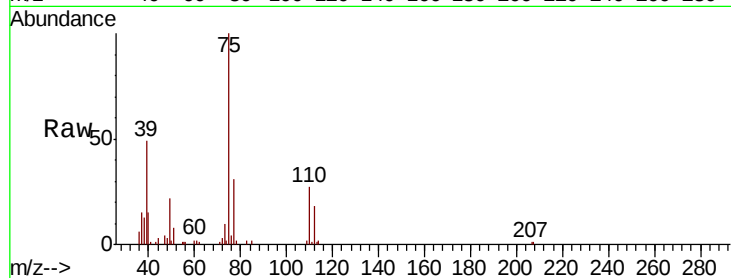
ClientSampleId :

Tot Ion: 75 Resp: 60460

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 10.674 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

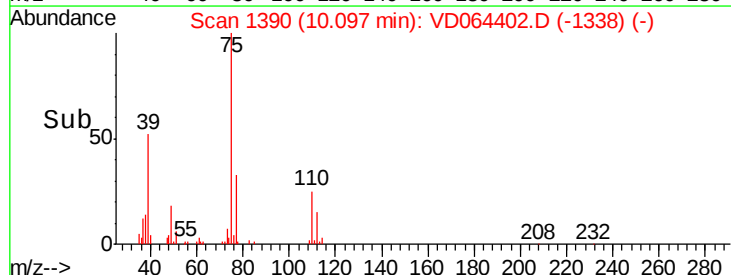
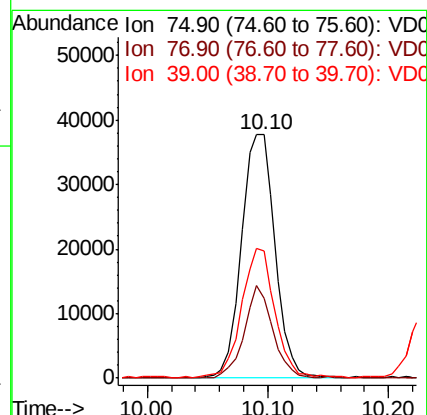
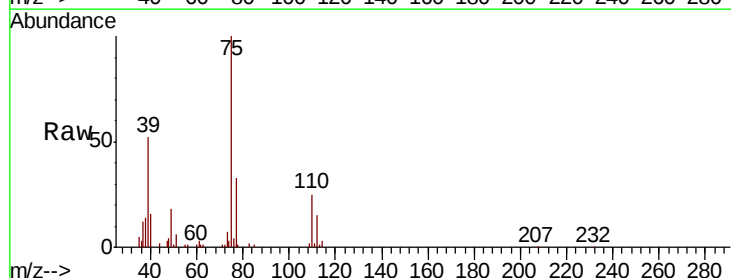
Tgt Ion: 75 Resp: 73275

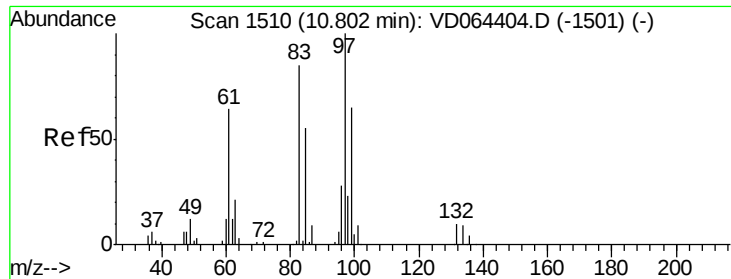
Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

39 52.2 41.5 62.3

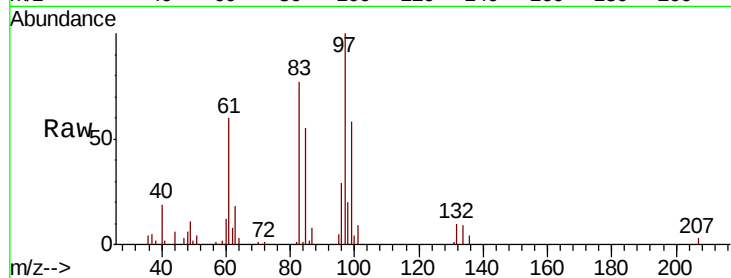




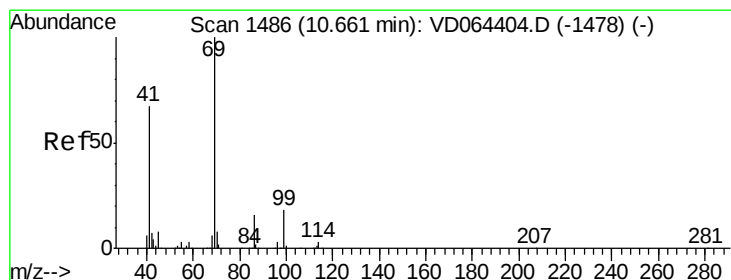
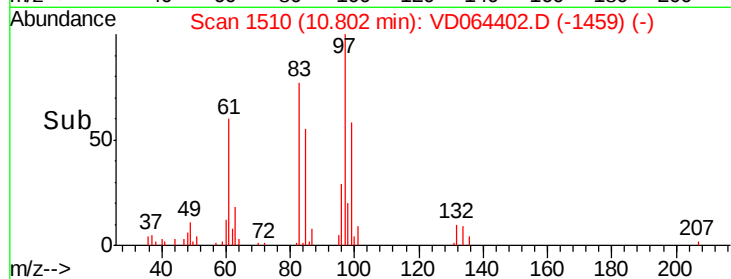
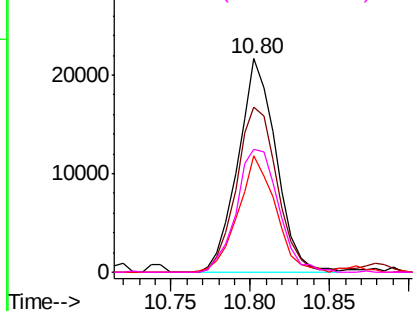
#55
 1,1,2-Trichloroethane
 Concen: 12.094 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Resp	Lower	Upper
97	36147		
Ion Ratio			
97	100		
83	77.1	67.8	101.8
85	54.5	43.7	65.5
99	57.8	51.7	77.5

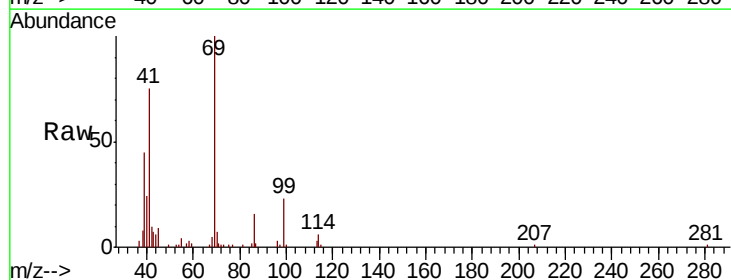


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

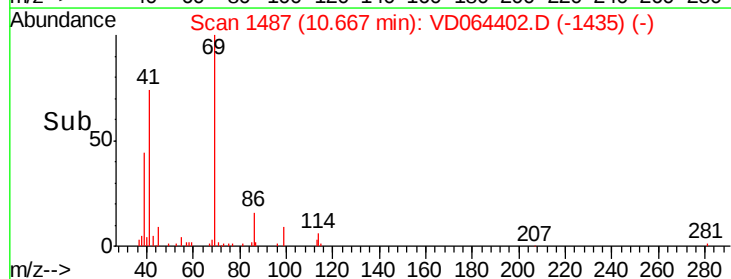
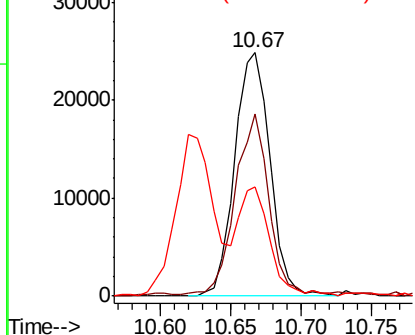


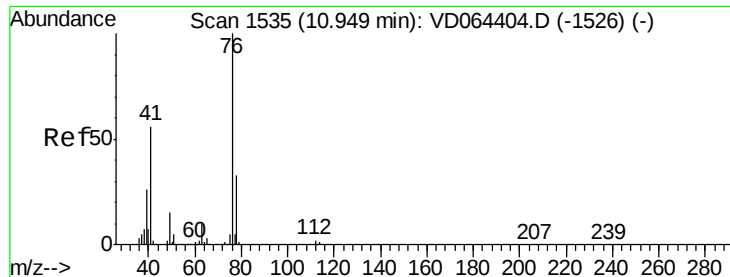
#56
 Ethyl methacrylate
 Concen: 10.489 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Tgt Ion	Resp	Lower	Upper
69	43413		
Ion Ratio			
69	100		
41	70.3	55.0	82.4
39	39.5	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: 11.691 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

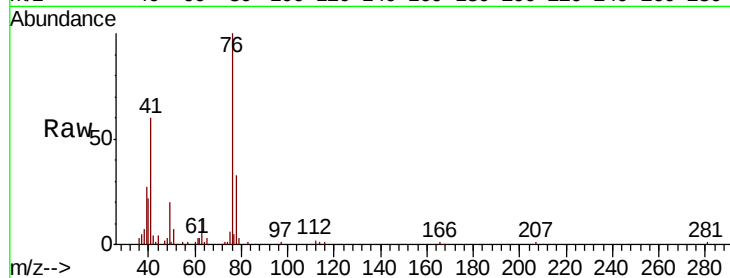
ClientSampleId :

Tot Ion: 76 Resp: 60783

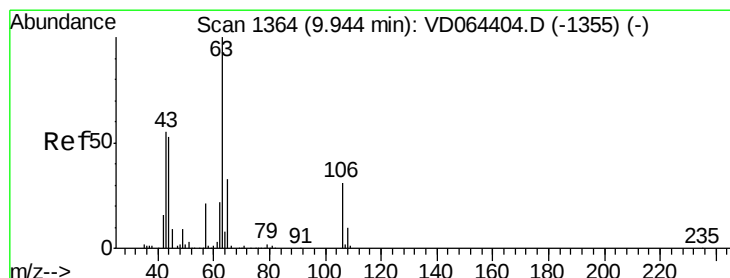
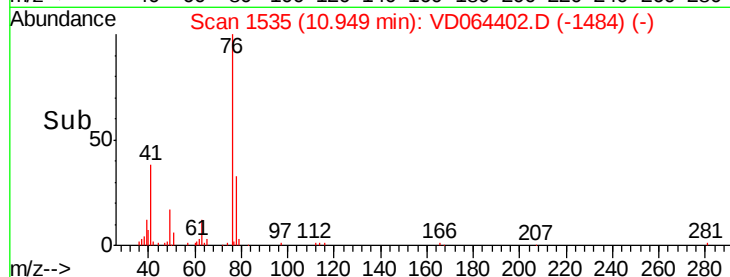
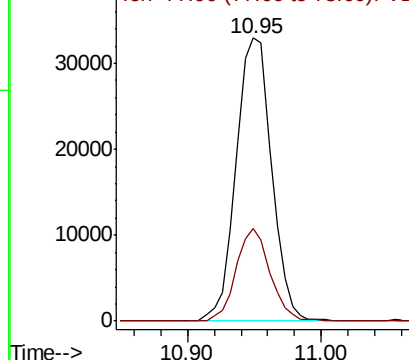
Ion Ratio Lower Upper

76 100

78 31.4 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: 54.488 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064402.D

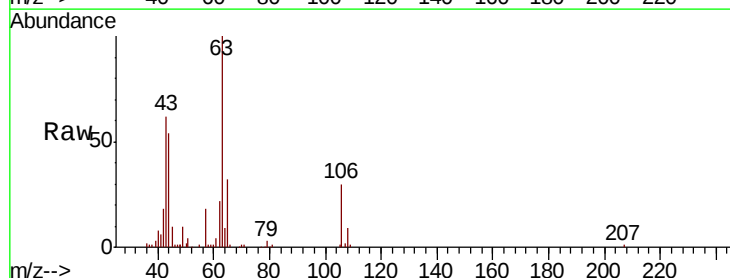
Acq: 27 Nov 2019 18:22

Tgt Ion: 63 Resp: 89856

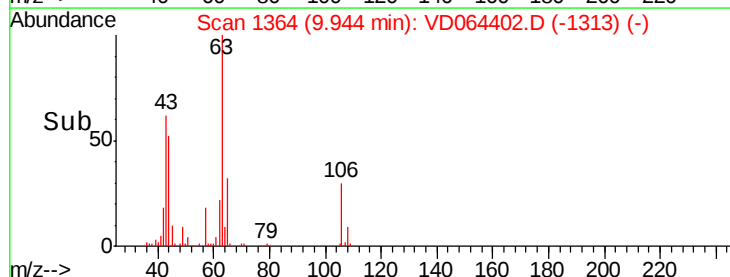
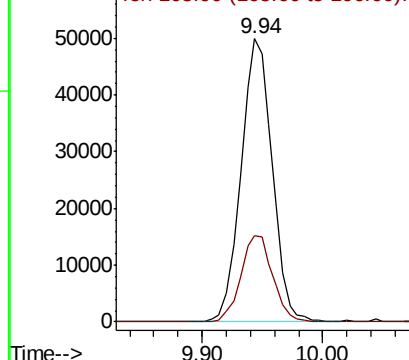
Ion Ratio Lower Upper

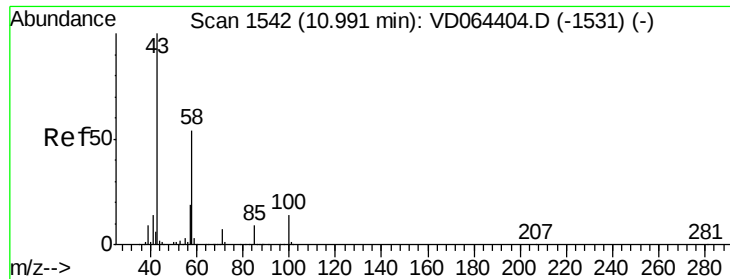
63 100

106 31.1 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 105.90 (105.60 to 106.60): V

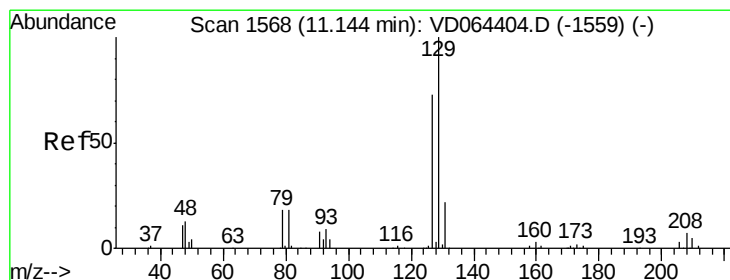
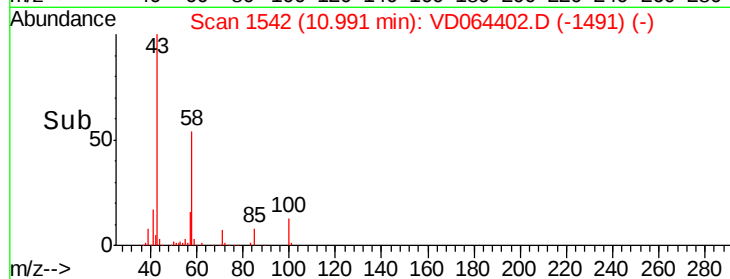
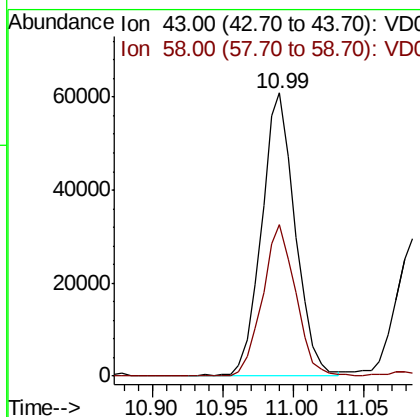
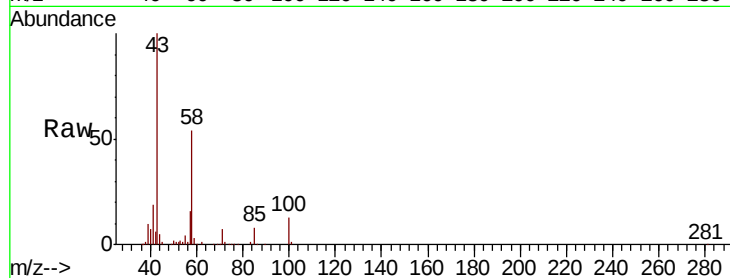




#59
2-Hexanone
Concen: 56.384 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

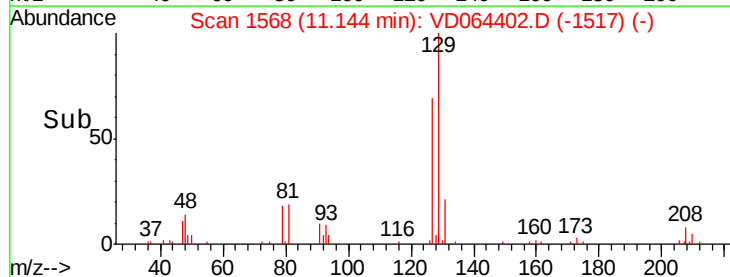
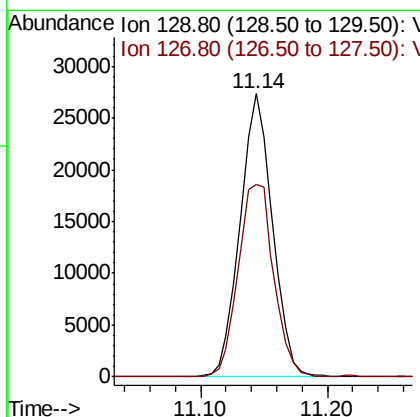
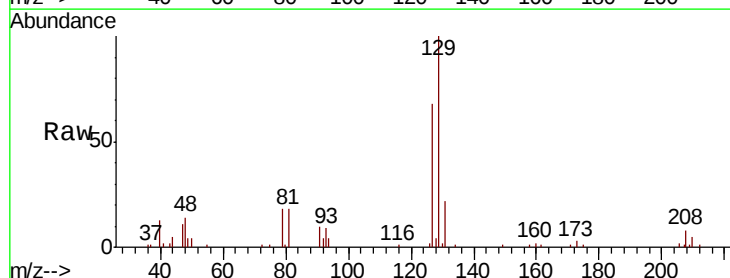
Instrument :
MSVOA_D
ClientSampleId :

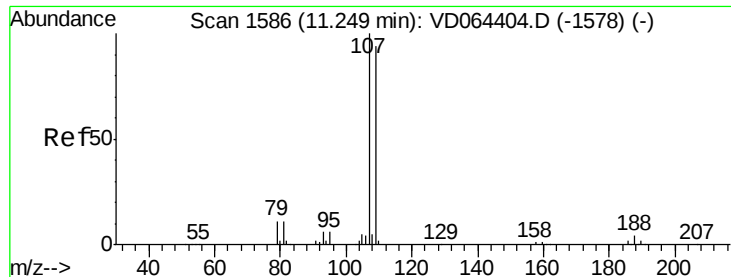
Tot Ion: 43 Resp: 102001
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.8



#60
Dibromochloromethane
Concen: 11.651 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

Tgt Ion:129 Resp: 48547
Ion Ratio Lower Upper
129 100
127 74.4 38.1 114.3

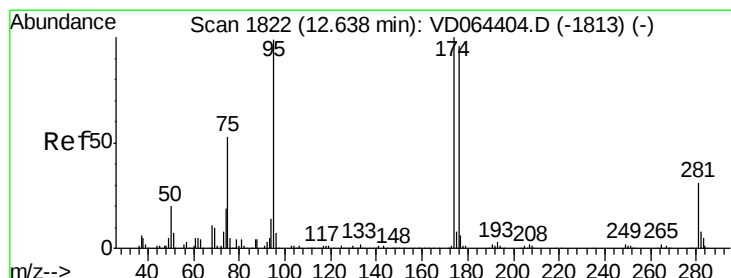
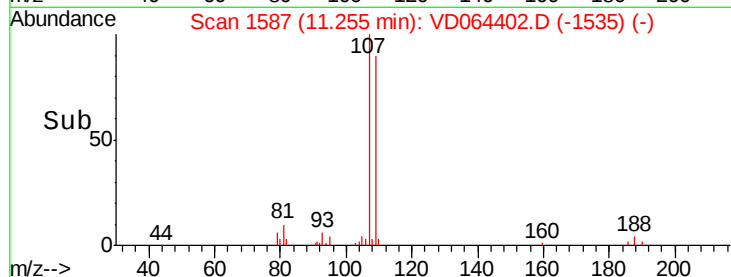
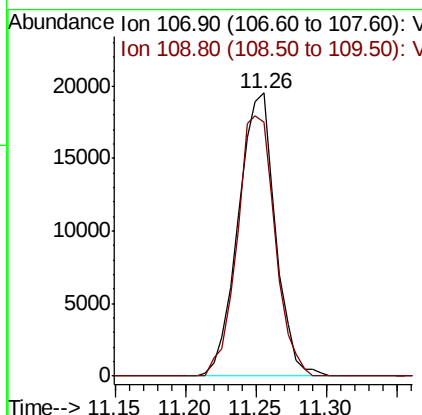
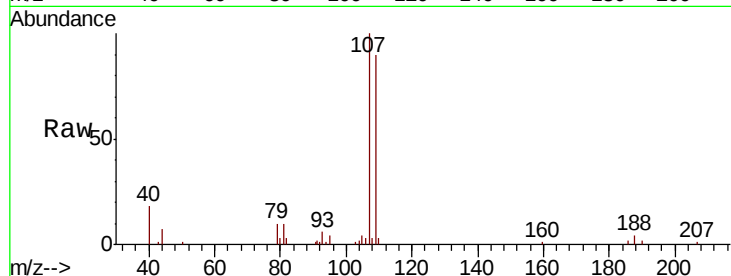




#61
 1,2-Dibromoethane
 Concen: 11.966 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

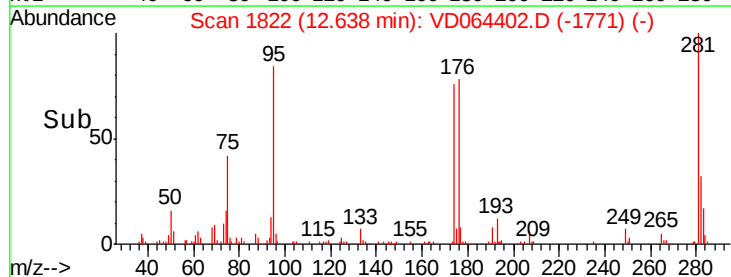
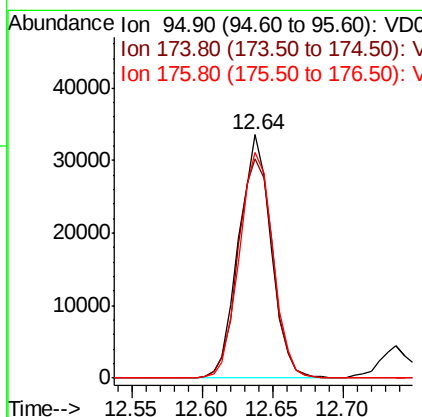
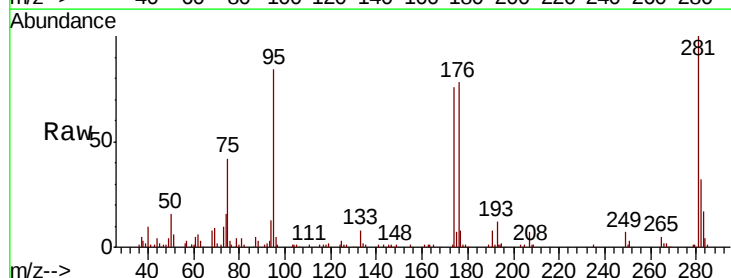
Instrument :
 MSVOA_D
 ClientSampleId :

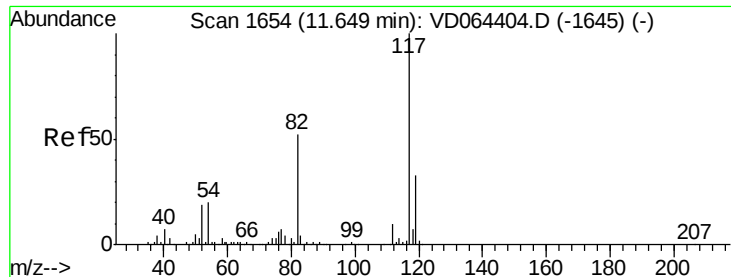
Tot Ion:107 Resp: 35837
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 10.999 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Tgt Ion: 95 Resp: 53987
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 197.2
 176 96.1 0.0 189.6

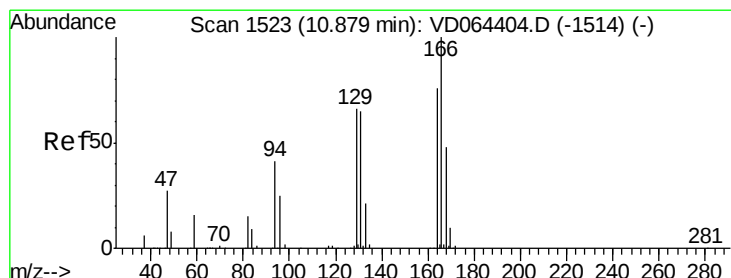
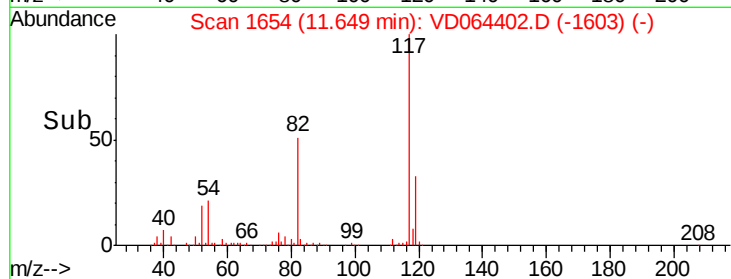
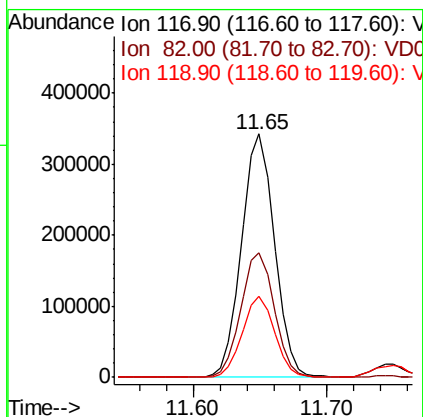
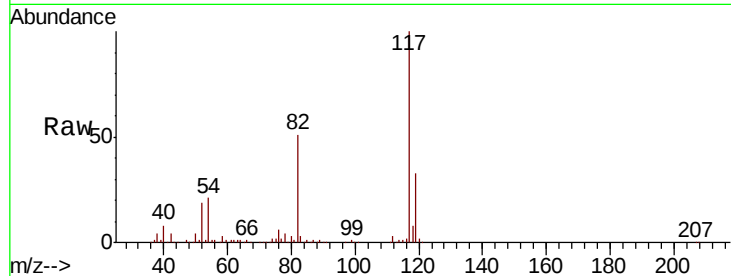




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

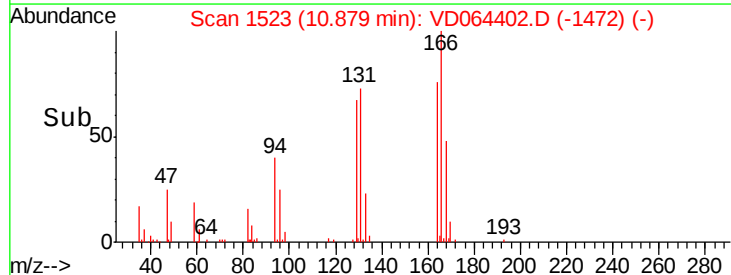
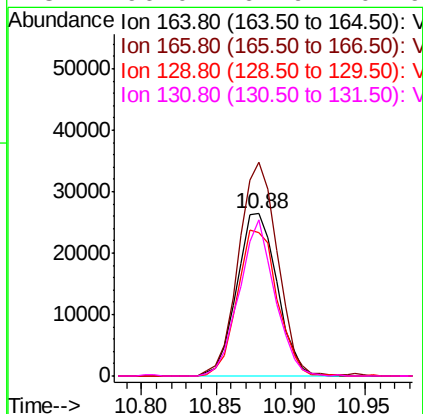
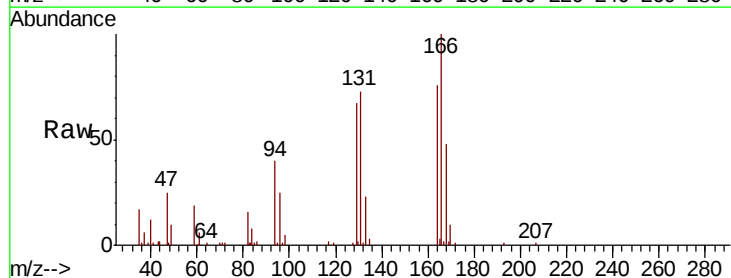
Instrument :
MSVOA_D
ClientSampleId :

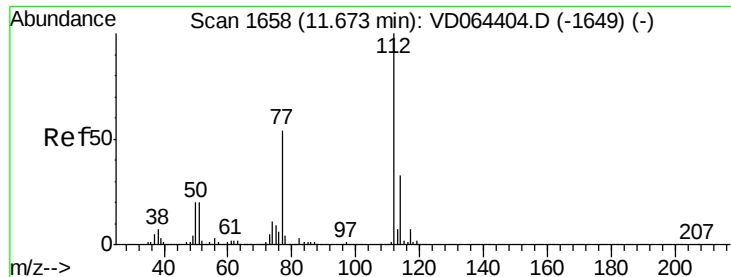
Tot Ion:117 Resp: 585129
Ion Ratio Lower Upper
117 100
82 51.1 41.4 62.2
119 33.0 26.2 39.2



#64
Tetrachloroethene
Concen: 11.084 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

Tgt Ion:164 Resp: 49506
Ion Ratio Lower Upper
164 100
166 131.5 104.8 157.2
129 88.6 68.7 103.1
131 96.0 67.9 101.9

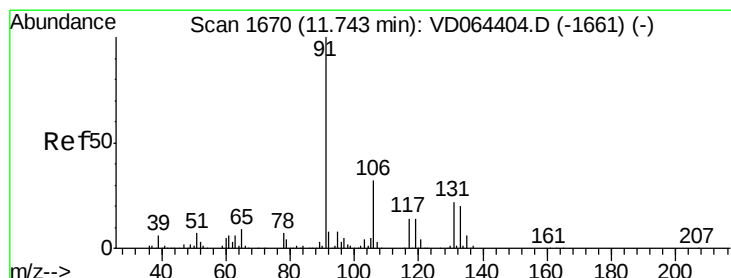
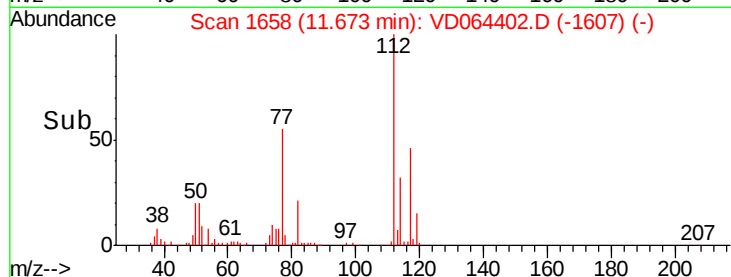
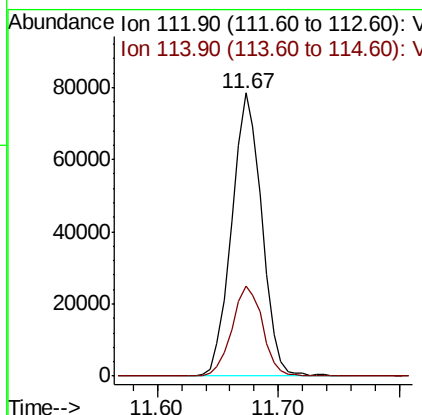
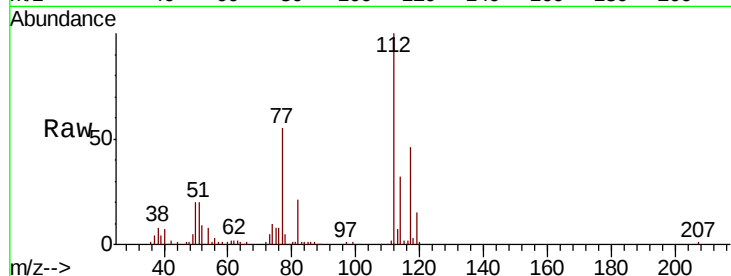




#65
Chlorobenzene
Concen: 11.452 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

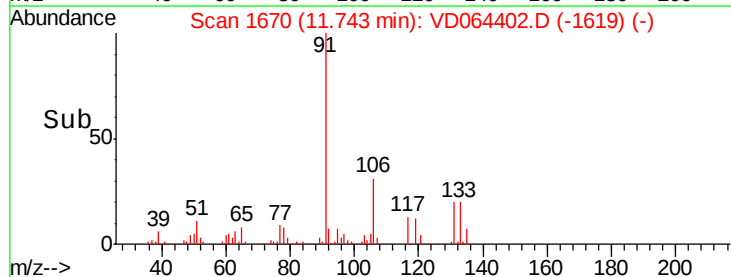
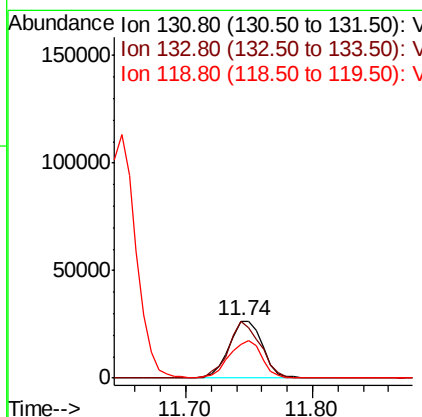
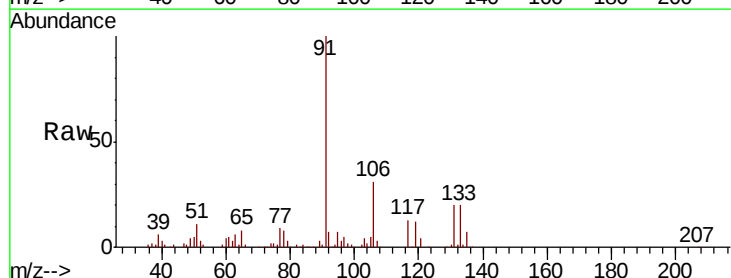
Instrument :
MSVOA_D
ClientSampled :

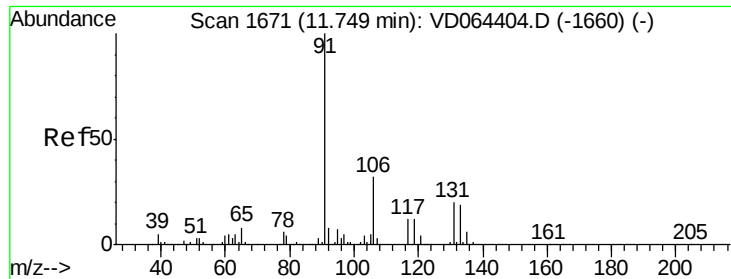
Tot Ion:112 Resp: 136015
Ion Ratio Lower Upper
112 100
114 31.7 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 10.775 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

Tgt Ion:131 Resp: 48615
Ion Ratio Lower Upper
131 100
133 94.6 48.3 144.9
119 64.5 31.9 95.9





#67

Ethyl Benzene

Concen: 10.942 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

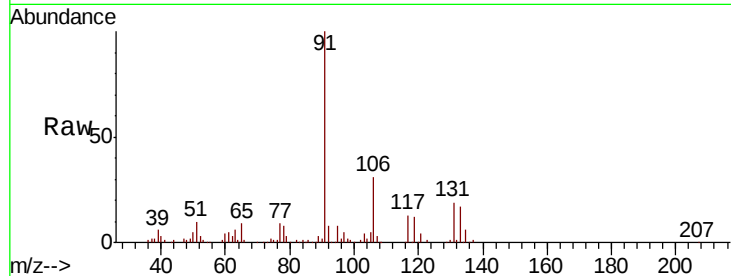
ClientSampled :

Tot Ion: 91 Resp: 234528

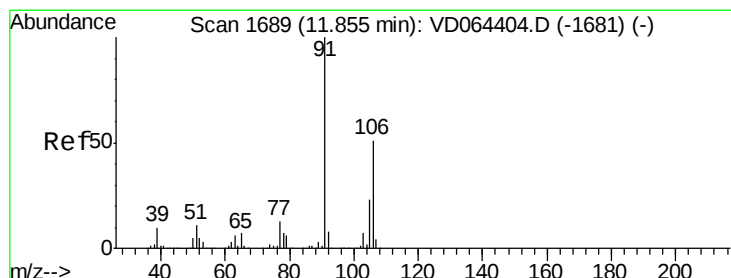
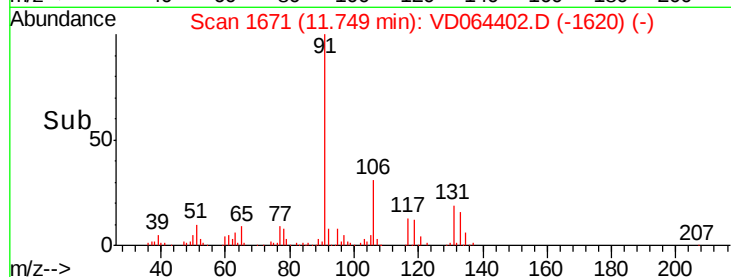
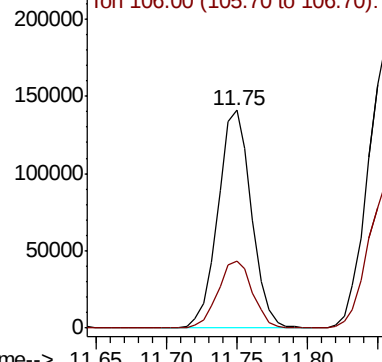
Ion Ratio Lower Upper

91 100

106 31.1 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 22.074 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064402.D

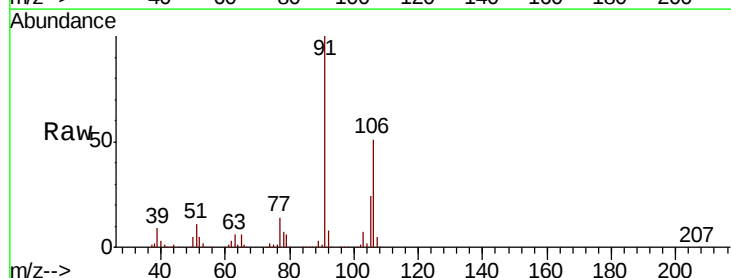
Acq: 27 Nov 2019 18:22

Tgt Ion: 106 Resp: 181242

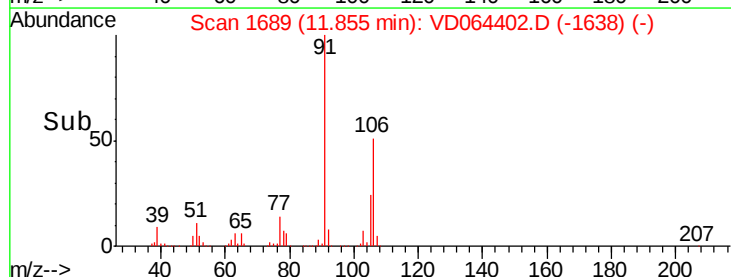
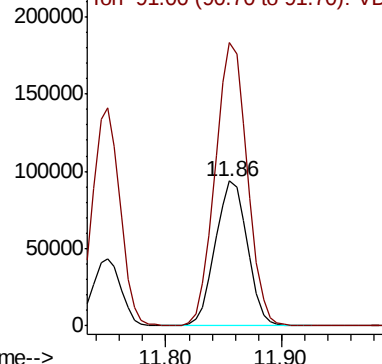
Ion Ratio Lower Upper

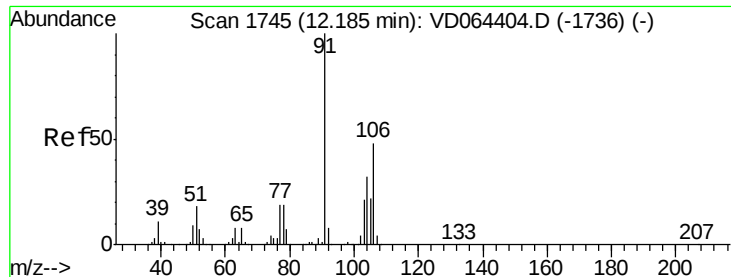
106 100

91 195.6 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

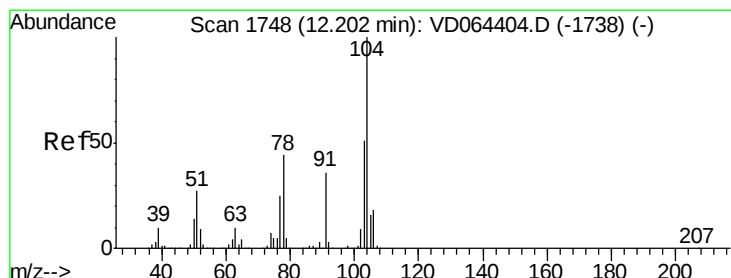
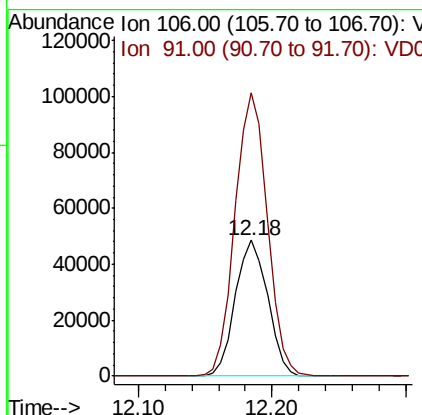
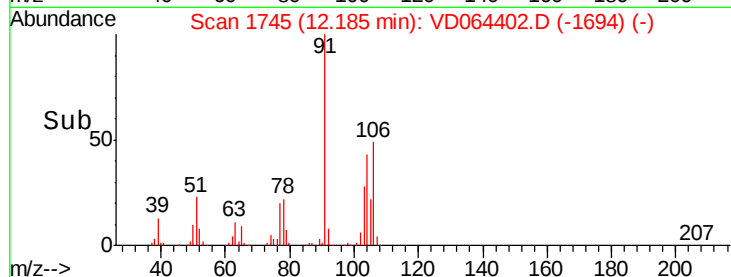
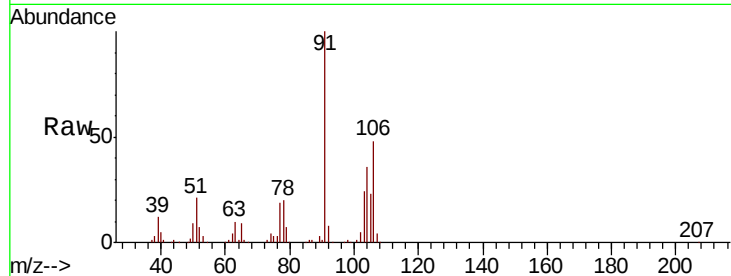




#69
o-Xylene
Concen: 10.726 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

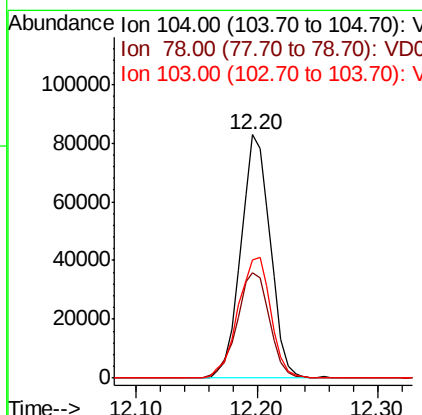
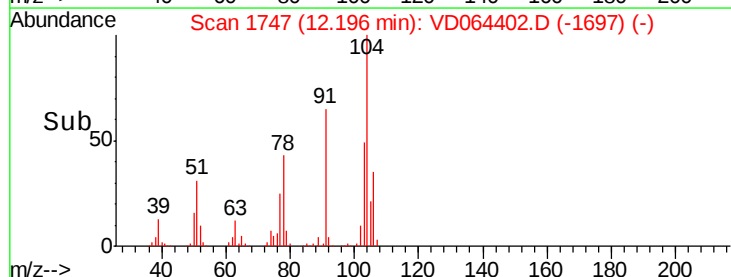
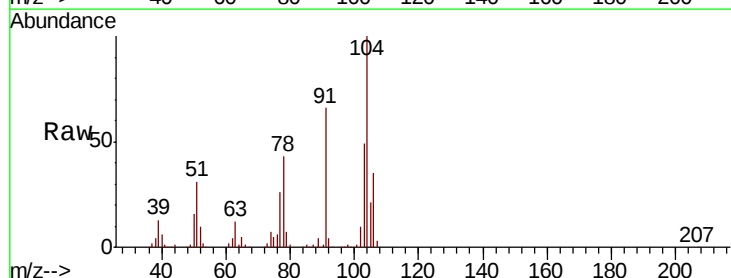
Instrument :
MSVOA_D
ClientSampled :

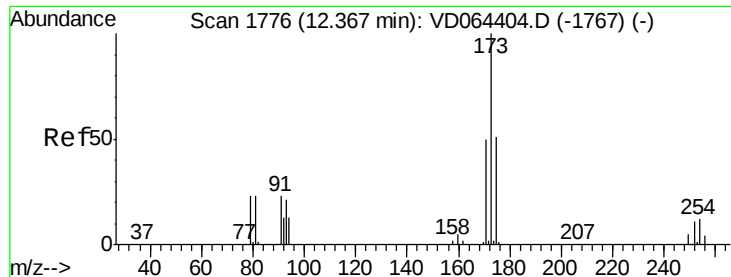
Tot Ion:106 Resp: 81681
Ion Ratio Lower Upper
106 100
91 208.5 103.8 311.4



#70
Styrene
Concen: 10.591 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064402.D
Acq: 27 Nov 2019 18:22

Tgt Ion:104 Resp: 140568
Ion Ratio Lower Upper
104 100
78 48.2 38.8 58.2
103 55.4 44.2 66.4





#71

Bromoform

Concen: 12.009 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

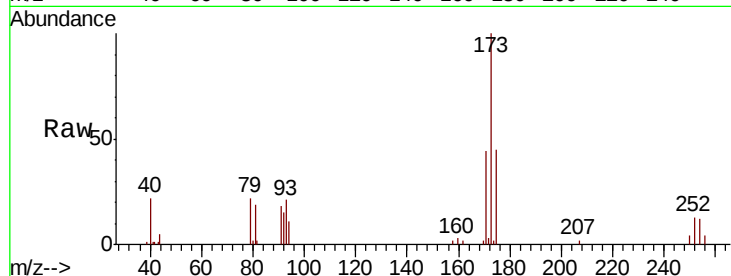
Tot Ion:173 Resp: 30930

Ion Ratio Lower Upper

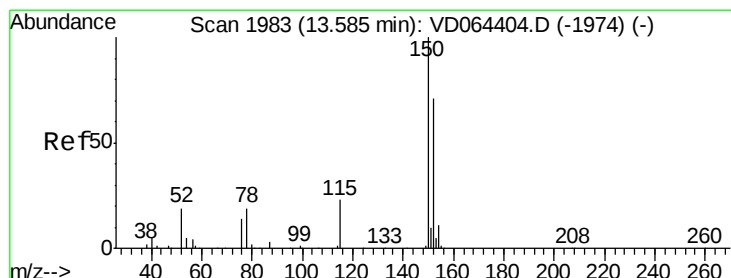
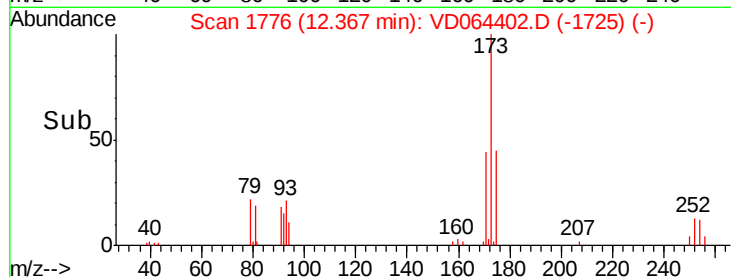
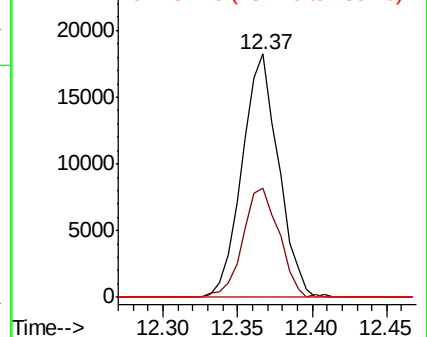
173 100

175 44.6 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: VD064402.D

Acq: 27 Nov 2019 18:22

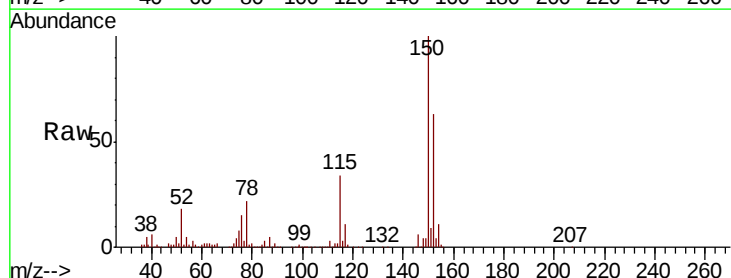
Tgt Ion:152 Resp: 282540

Ion Ratio Lower Upper

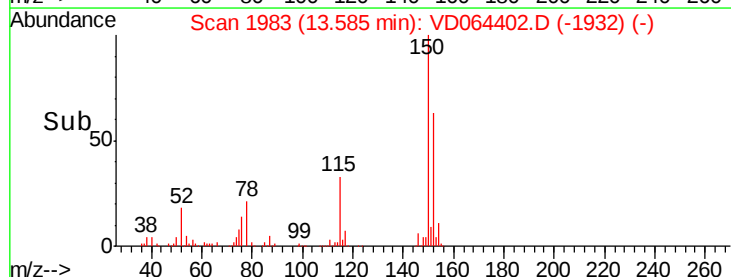
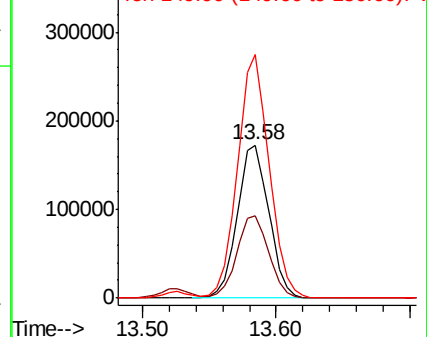
152 100

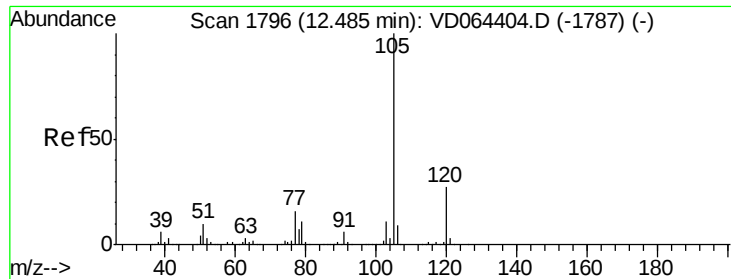
115 54.6 26.7 80.1

150 159.7 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: 11.003 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

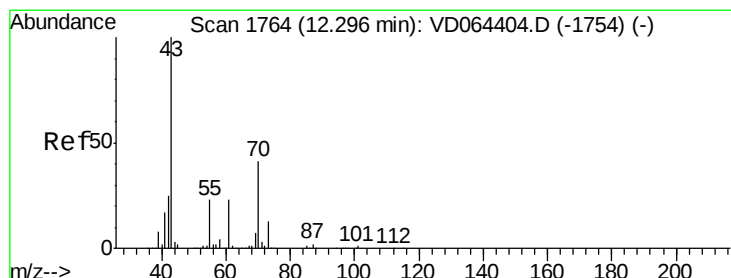
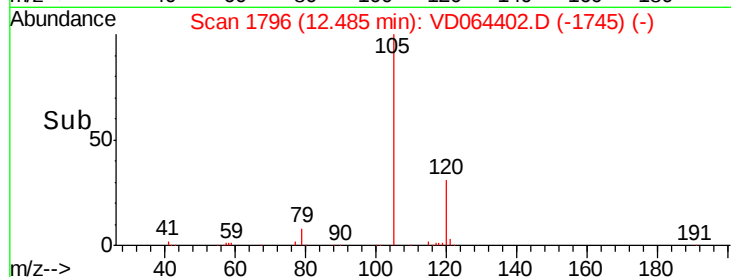
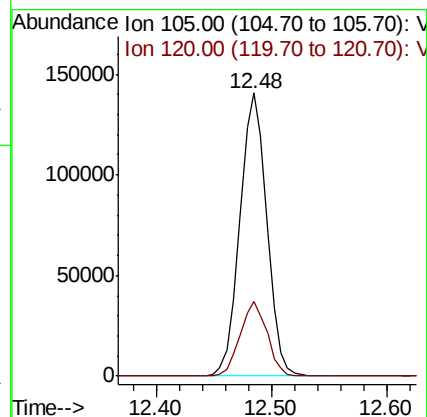
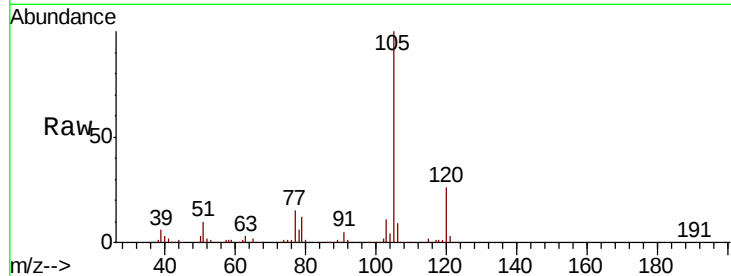
ClientSampleId :

Tot Ion:105 Resp: 226381

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.2



#74

N-ethyl acetate

Concen: 10.750 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Tgt Ion: 43 Resp: 52272

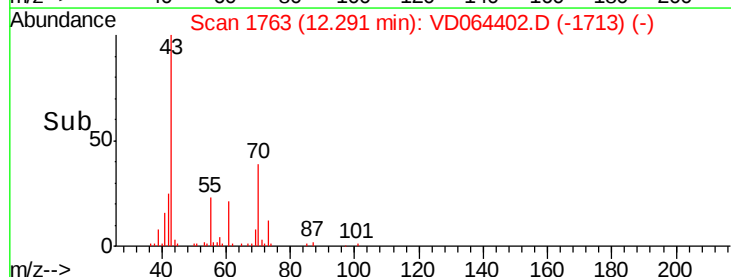
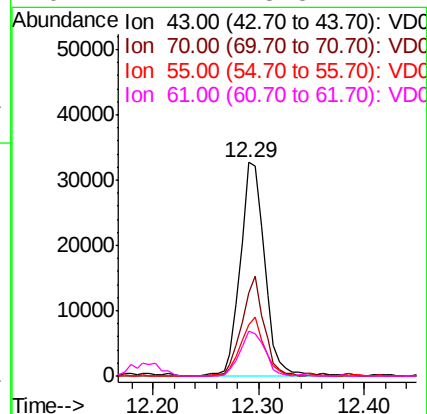
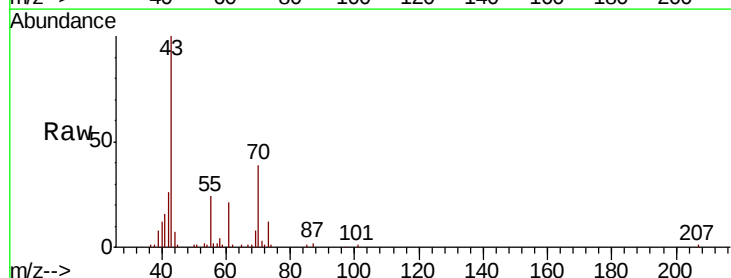
Ion Ratio Lower Upper

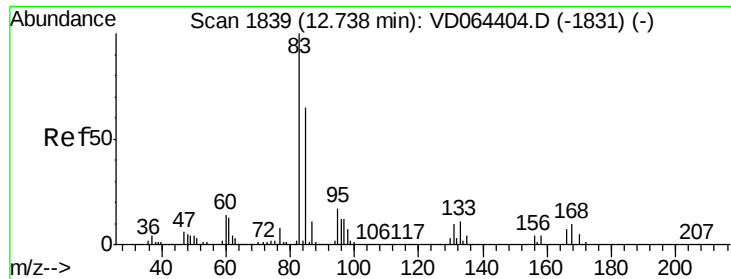
43 100

70 41.8 33.4 50.2

55 25.9 18.9 28.3

61 21.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 12.122 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

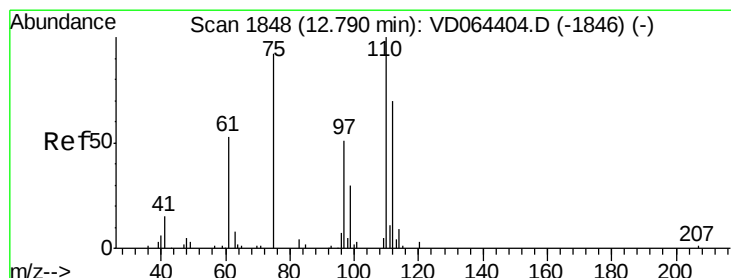
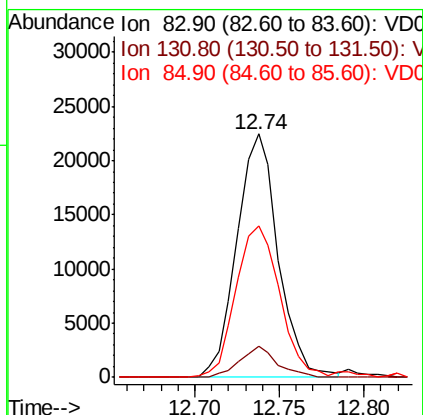
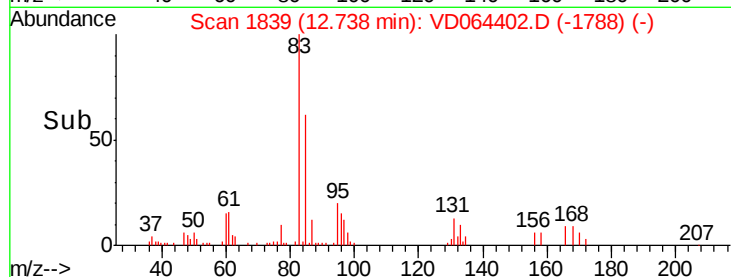
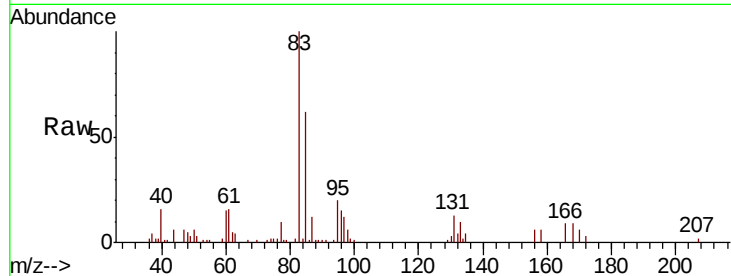
Tot Ion: 83 Resp: 38329

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.0

85 65.7 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 22.490 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064402.D

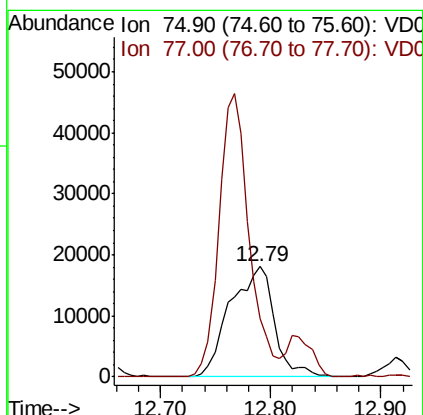
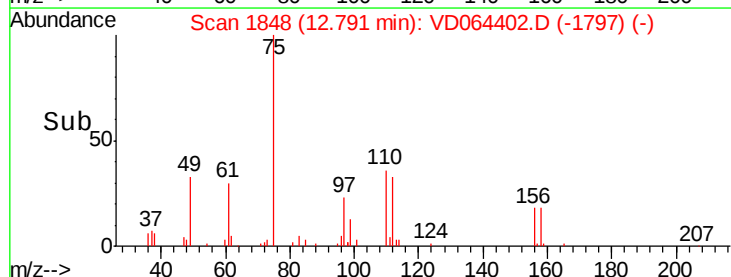
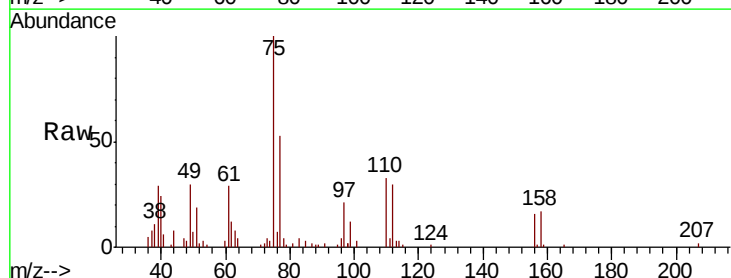
Acq: 27 Nov 2019 18:22

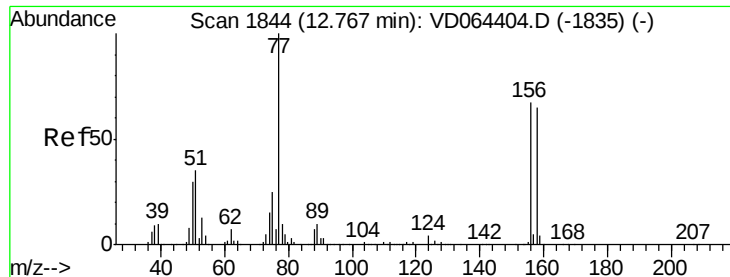
Tgt Ion: 75 Resp: 50716

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 10.958 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

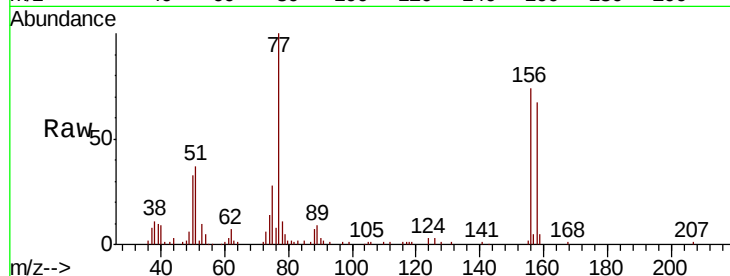
Tot Ion:156 Resp: 54977

Ion Ratio Lower Upper

156 100

77 161.1 80.0 240.2

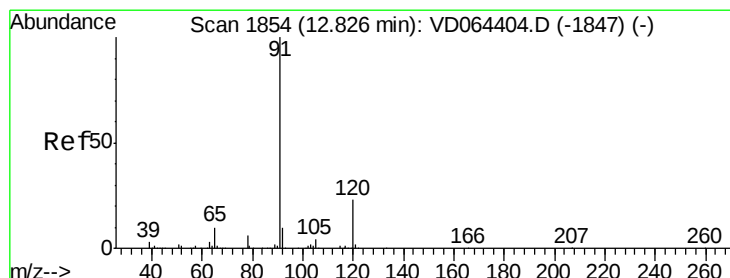
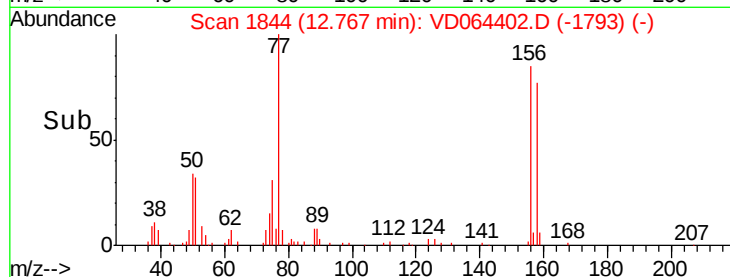
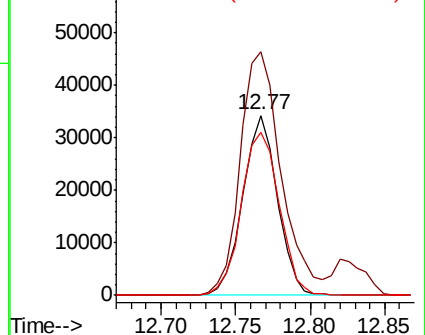
158 99.6 48.9 146.6



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: 11.072 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064402.D

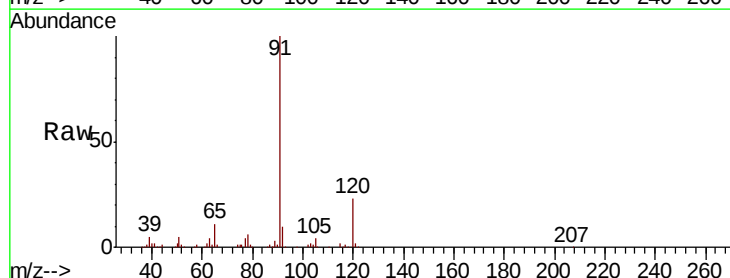
Acq: 27 Nov 2019 18:22

Tgt Ion: 91 Resp: 260333

Ion Ratio Lower Upper

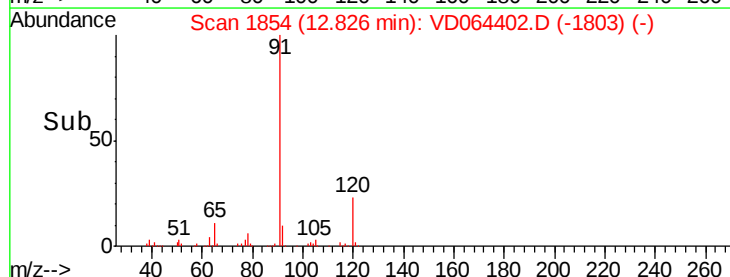
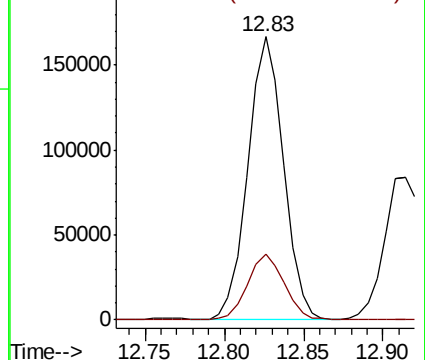
91 100

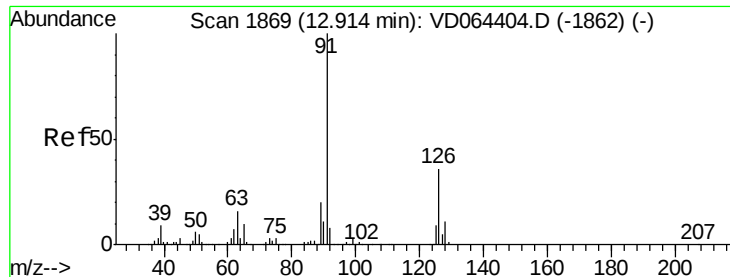
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.988 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

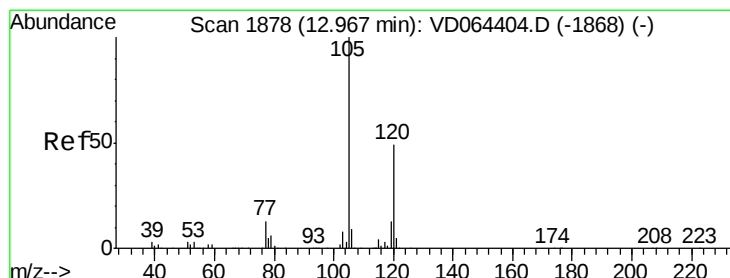
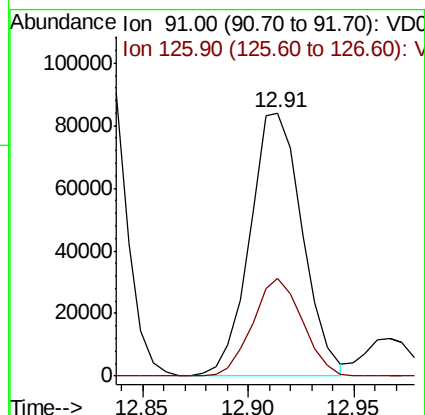
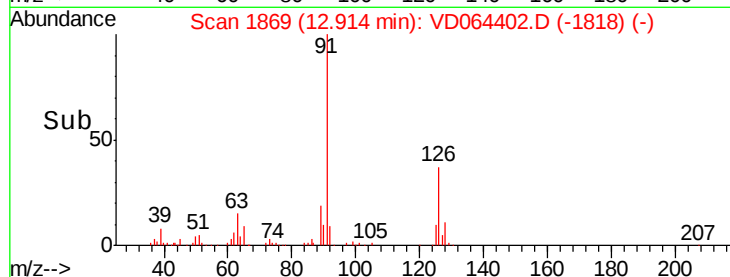
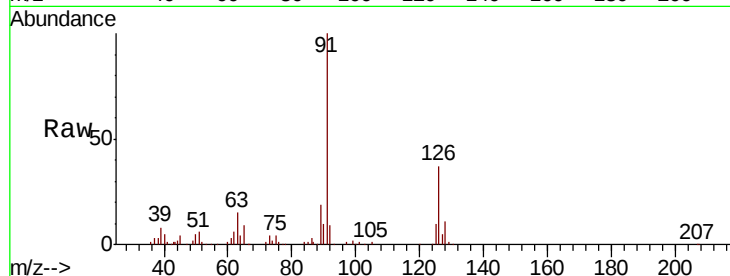
ClientSampleId :

Tot Ion: 91 Resp: 145394

Ion Ratio Lower Upper

91 100

126 35.2 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 10.943 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064402.D

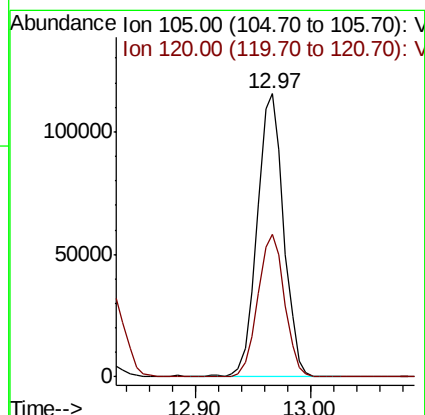
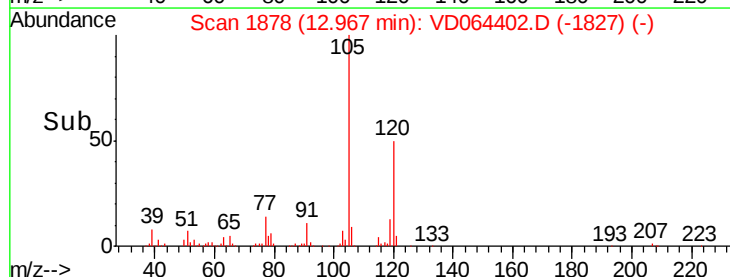
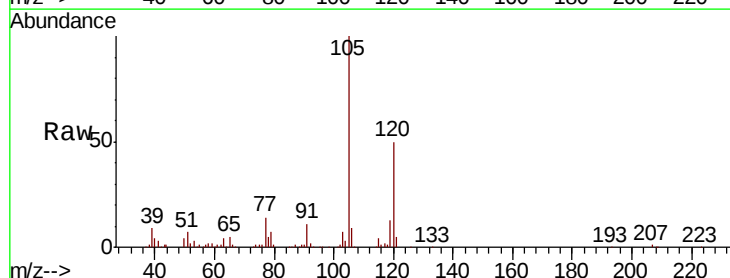
Acq: 27 Nov 2019 18:22

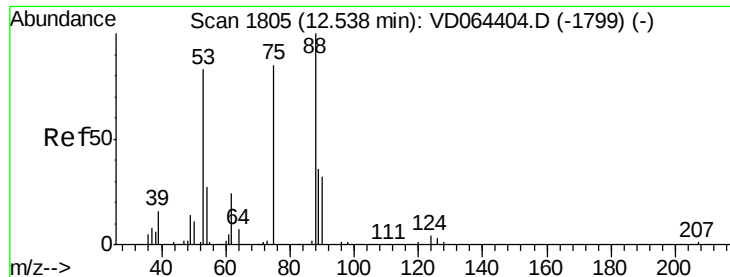
Tgt Ion:105 Resp: 185183

Ion Ratio Lower Upper

105 100

120 50.7 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 10.533 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

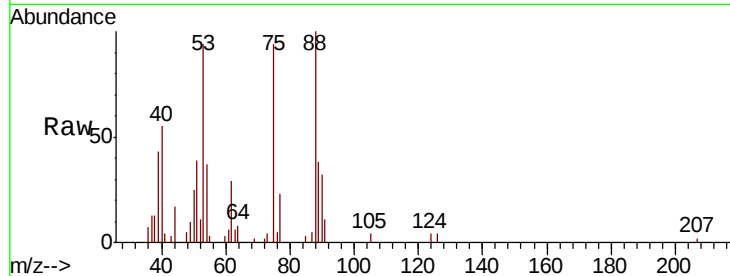
Tot Ion: 75 Resp: 11893

Ion Ratio Lower Upper

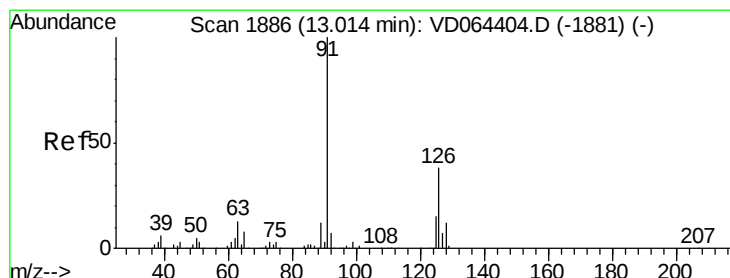
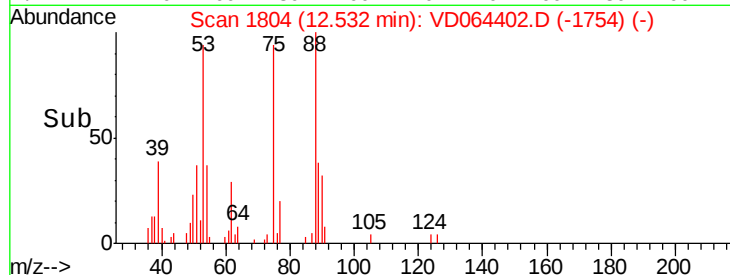
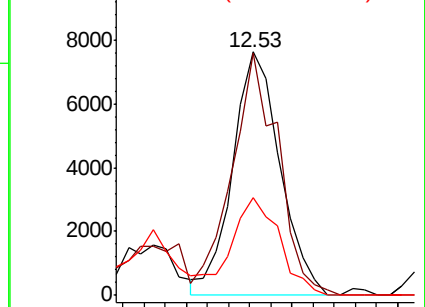
75 100

53 97.0 81.0 121.6

89 37.8 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: 10.972 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064402.D

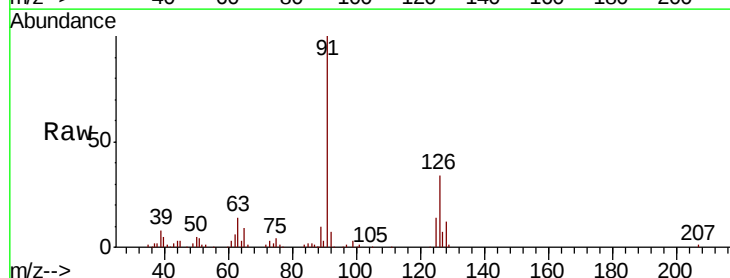
Acq: 27 Nov 2019 18:22

Tgt Ion: 91 Resp: 151801

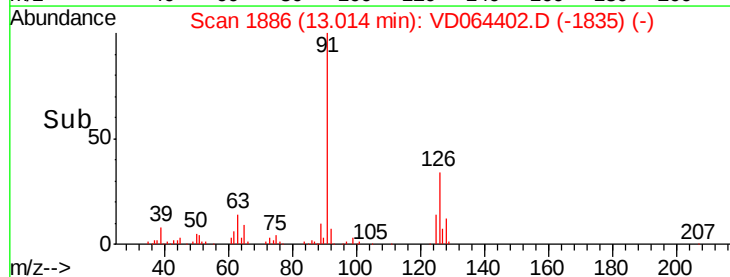
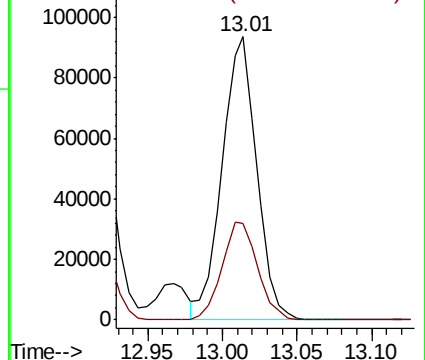
Ion Ratio Lower Upper

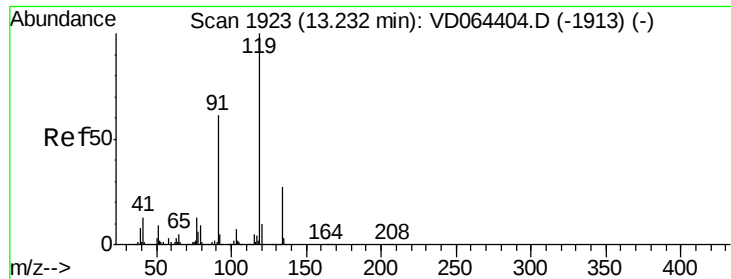
91 100

126 35.6 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: 10.828 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

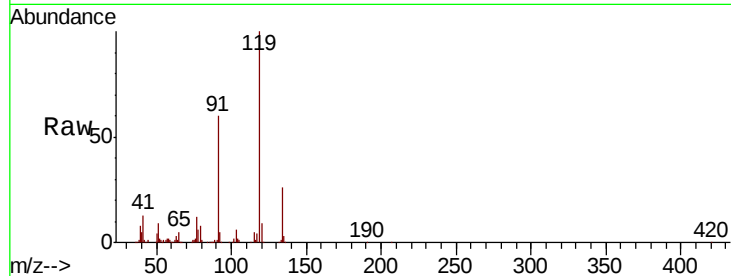
Tot Ion:119 Resp: 160778

Ion Ratio Lower Upper

119 100

91 61.8 31.2 93.6

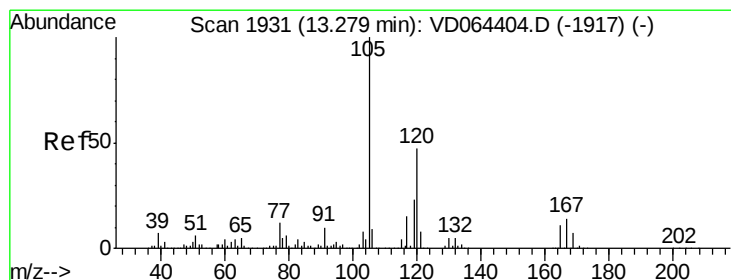
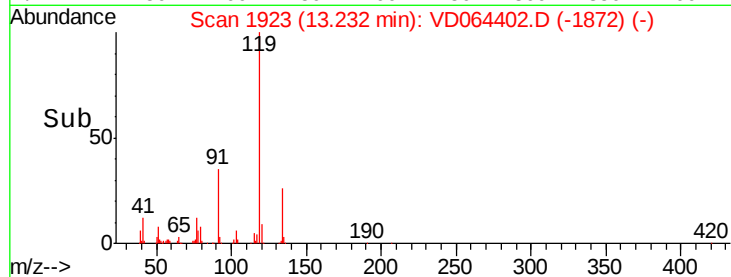
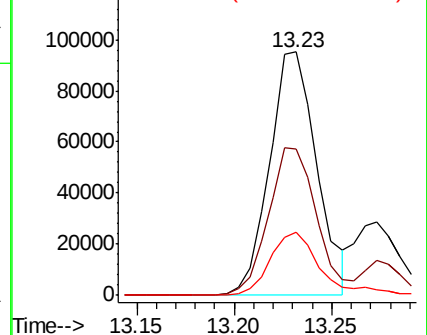
134 27.6 13.9 41.7



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: 10.993 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064402.D

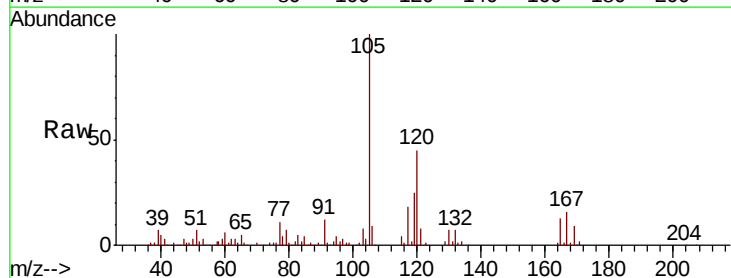
Acq: 27 Nov 2019 18:22

Tgt Ion:105 Resp: 183651

Ion Ratio Lower Upper

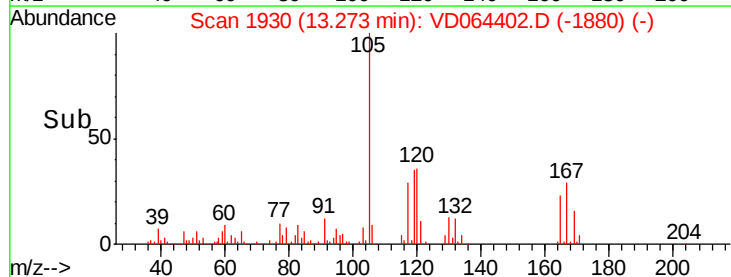
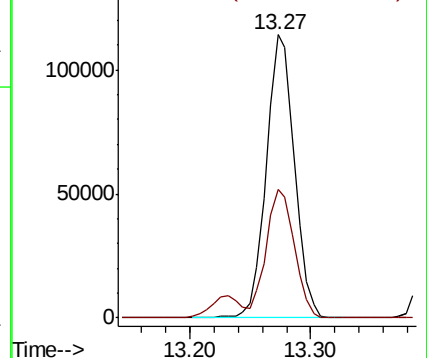
105 100

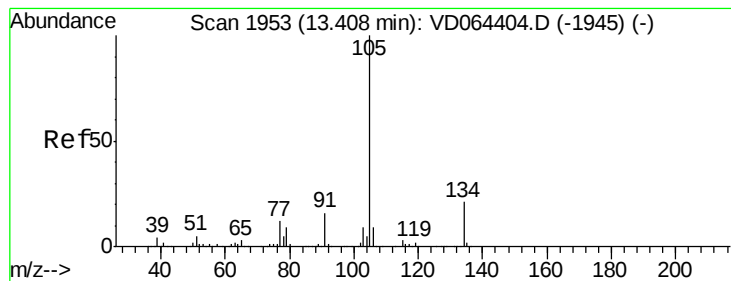
120 45.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 10.897 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

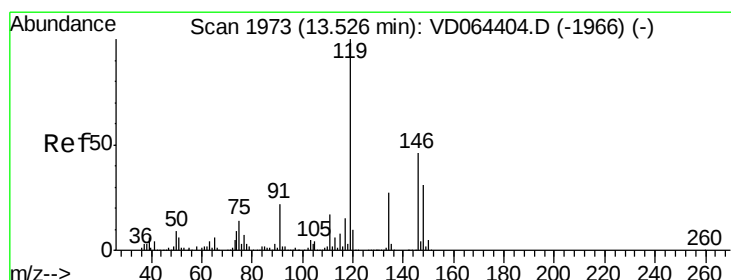
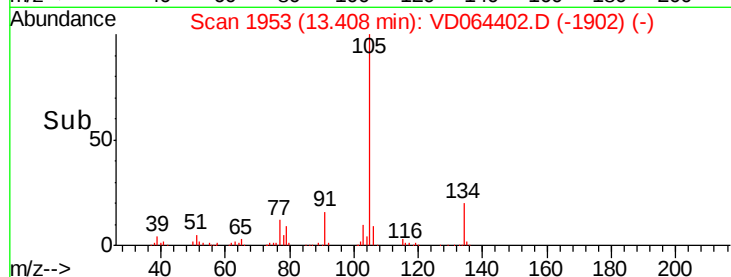
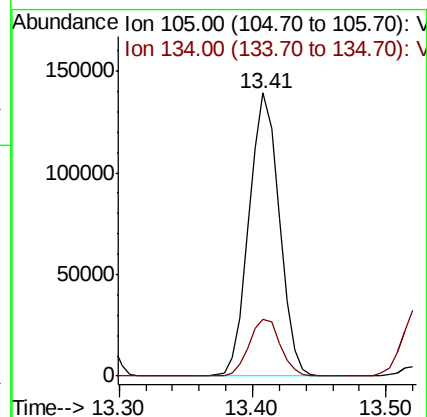
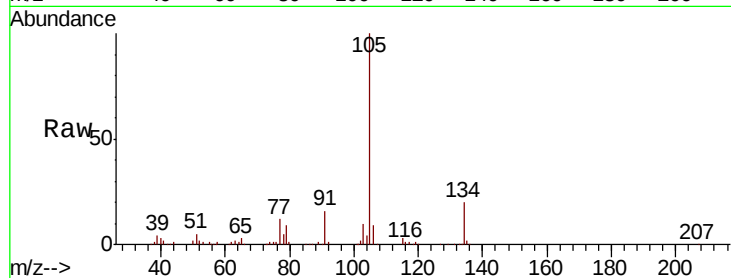
ClientSampleId :

Tot Ion:105 Resp: 218199

Ion Ratio Lower Upper

105 100

134 20.6 10.5 31.5



#86

p-Isopropyltoluene

Concen: 10.734 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

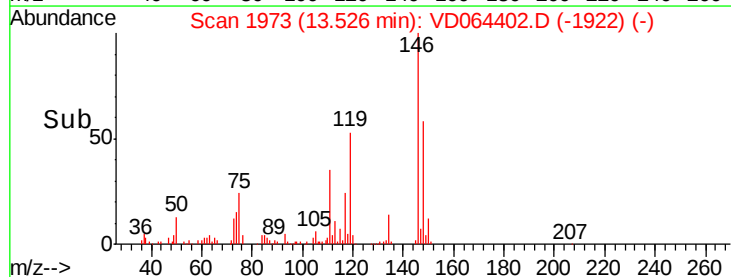
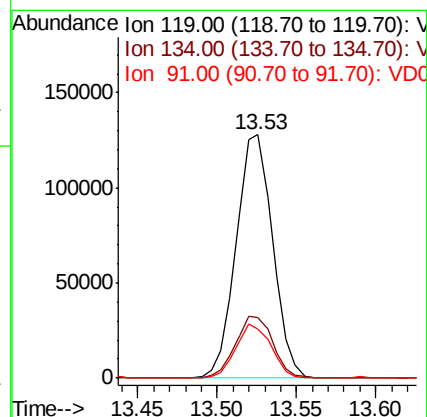
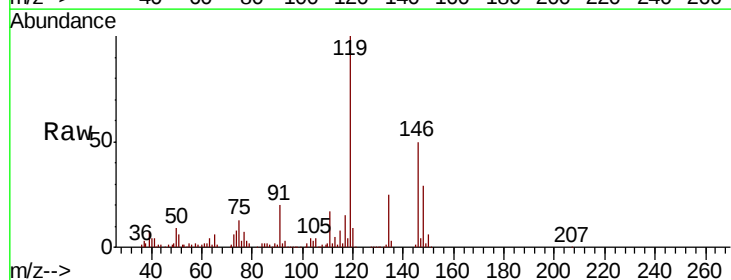
Tgt Ion:119 Resp: 204182

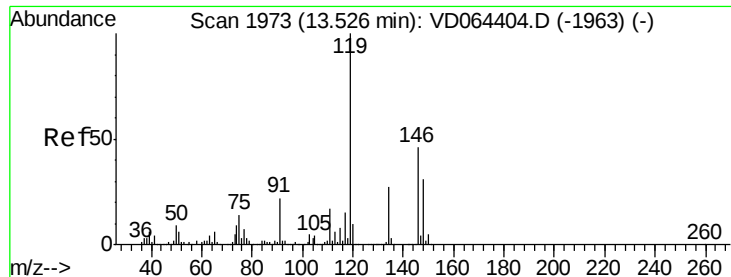
Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.4

91 21.6 11.2 33.5

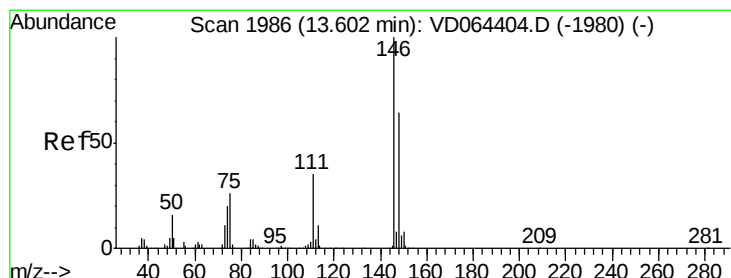
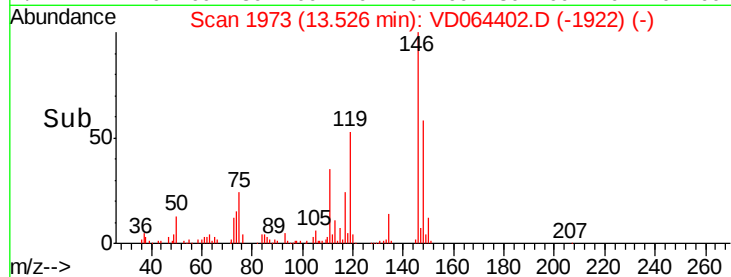
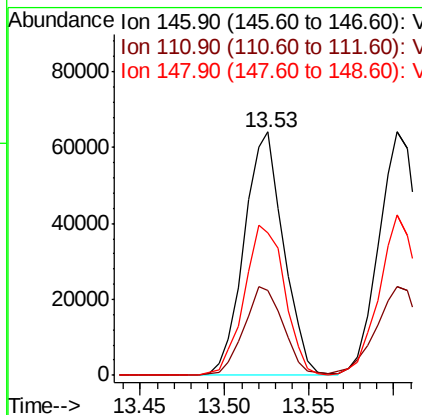
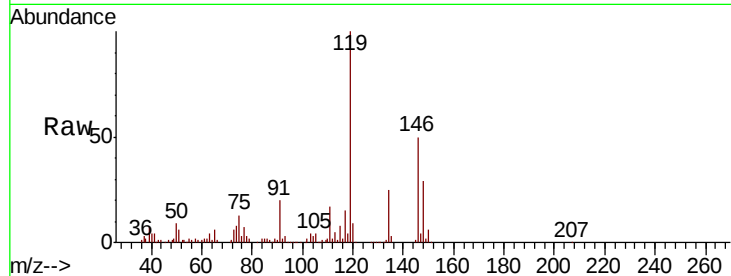




#87
 1,3-Dichlorobenzene
 Concen: 11.144 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

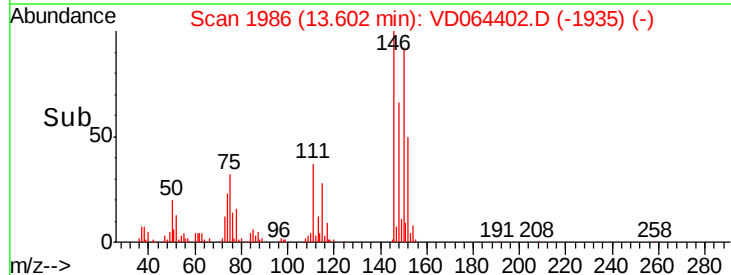
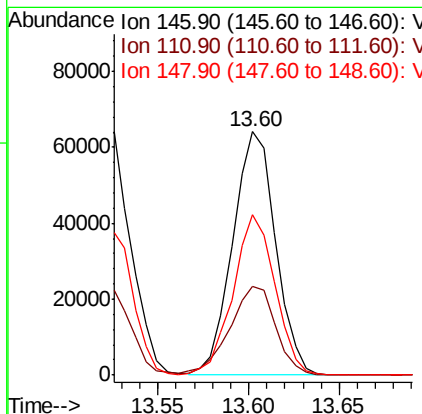
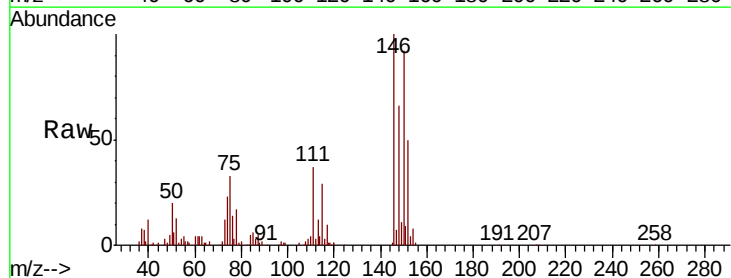
Instrument :
 MSVOA_D
 ClientSampleId :

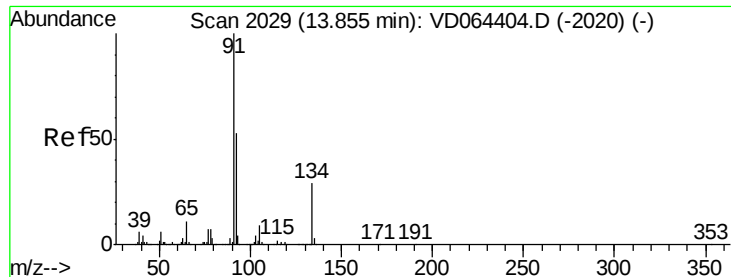
Tot Ion:146 Resp: 104140
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.8 56.4
 148 63.6 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 11.586 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Tgt Ion:146 Resp: 105357
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.2 54.6
 148 64.9 31.8 95.4





#89

n-Butylbenzene

Concen: 10.743 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

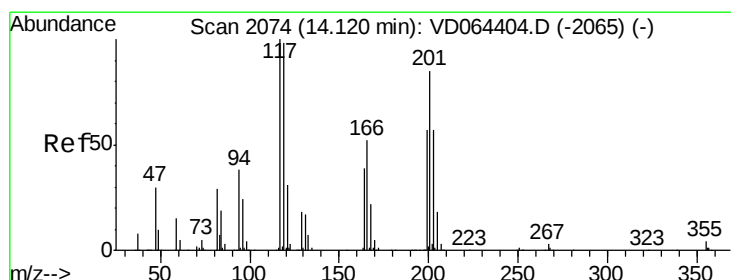
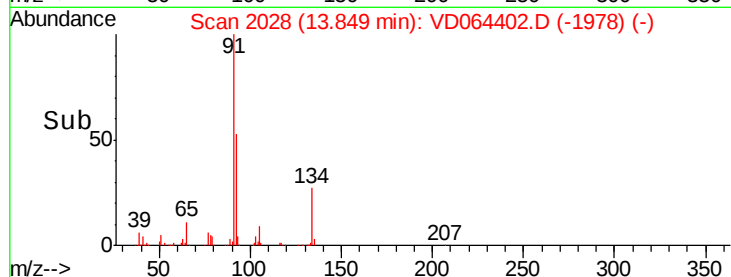
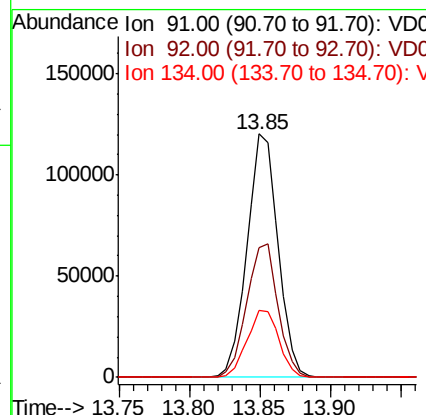
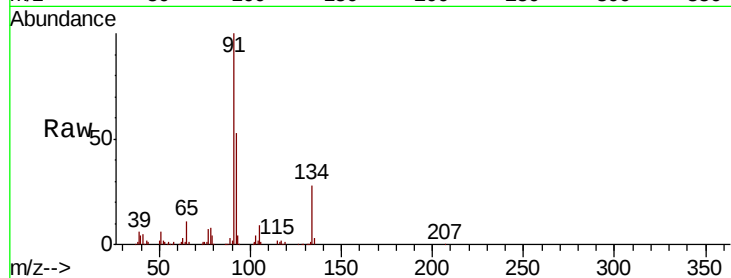
Tot Ion: 91 Resp: 184709

Ion Ratio Lower Upper

91 100

92 55.3 26.5 79.4

134 28.4 13.9 41.7



#90

Hexachloroethane

Concen: 10.782 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064402.D

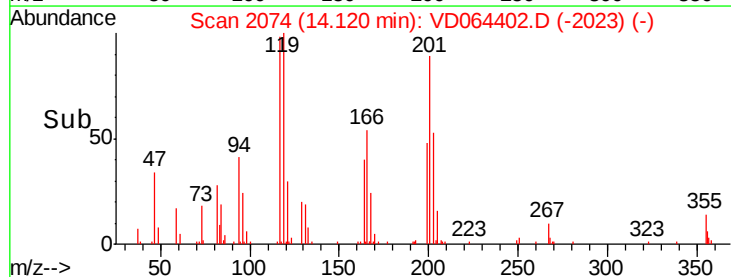
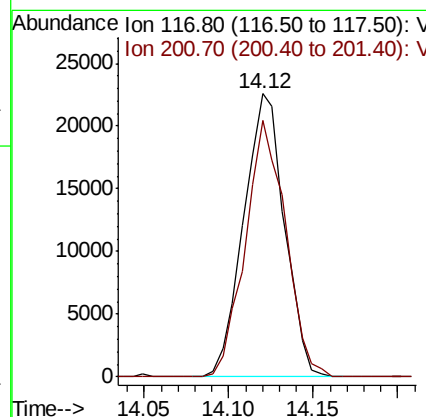
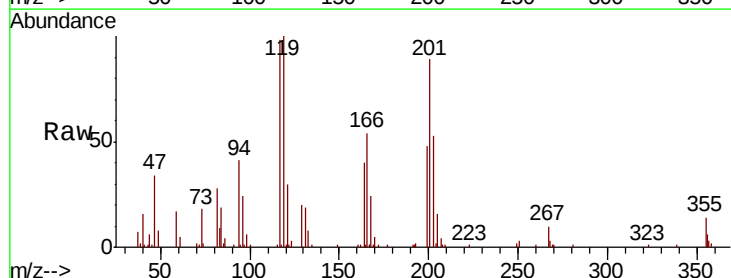
Acq: 27 Nov 2019 18:22

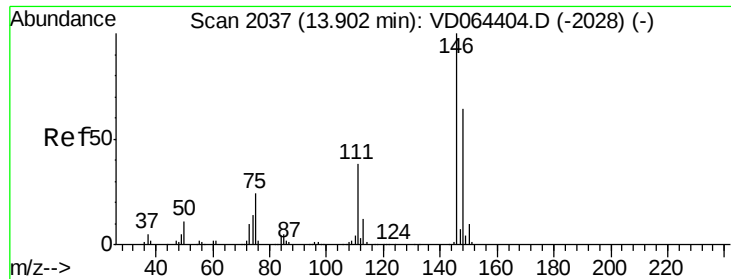
Tgt Ion: 117 Resp: 38023

Ion Ratio Lower Upper

117 100

201 89.3 44.3 132.8

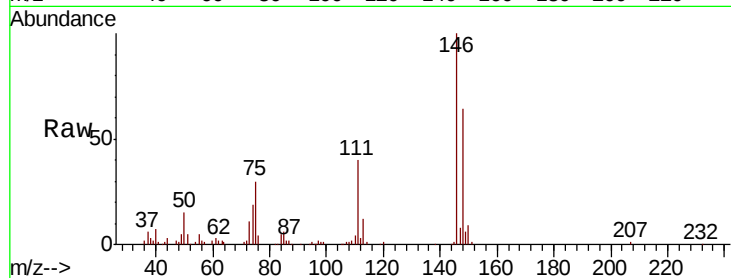




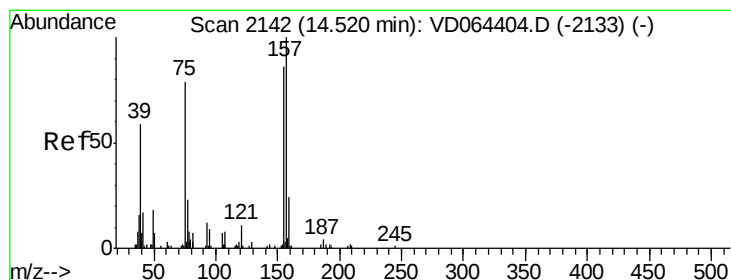
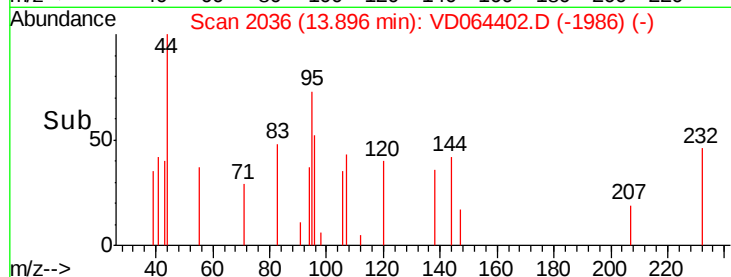
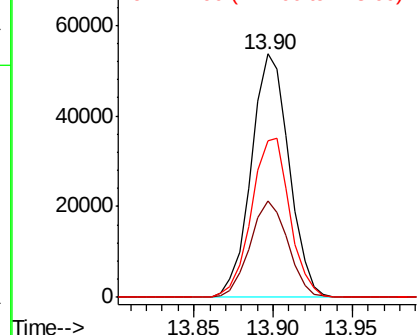
#91
 1,2-Dichlorobenzene
 Concen: 11.229 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.1	57.3
148	66.2	32.0	96.0

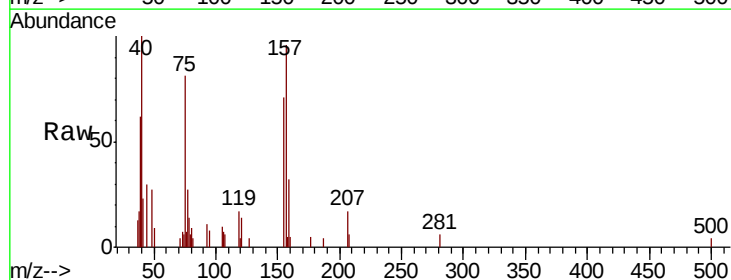


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

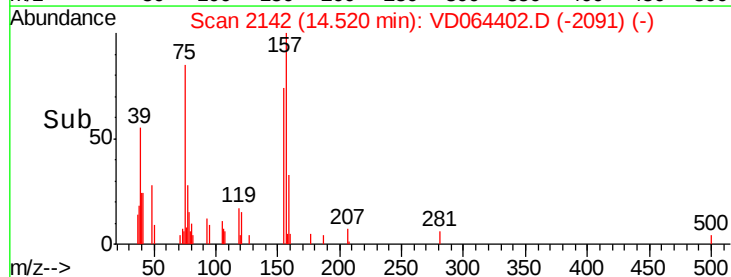
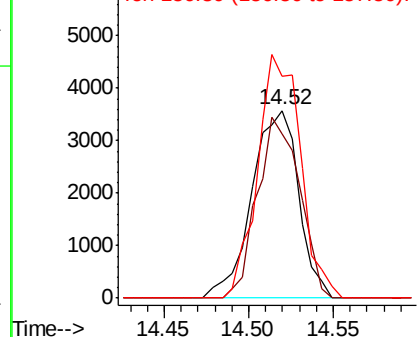


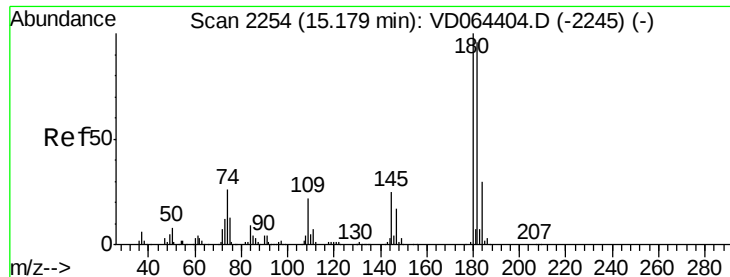
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.404 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	51.9	155.7
157	119.3	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

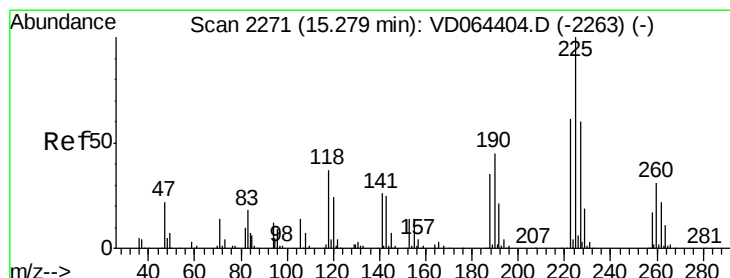
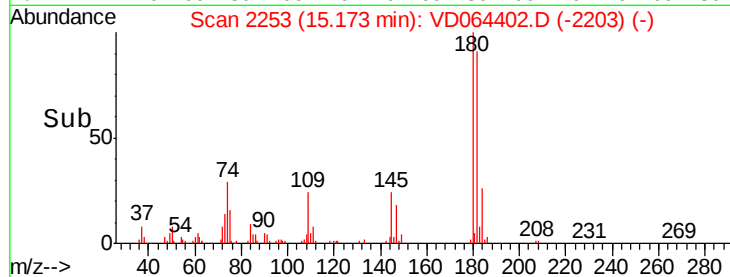
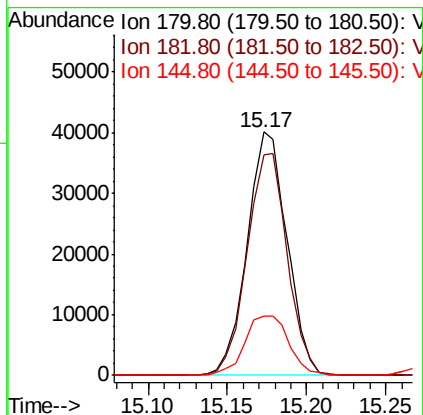
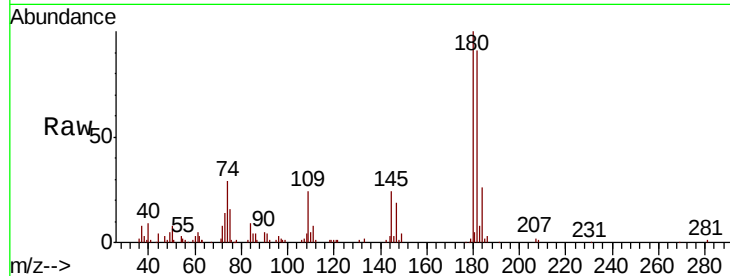




#93
 1,2,4-Trichlorobenzene
 Concen: 11.515 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

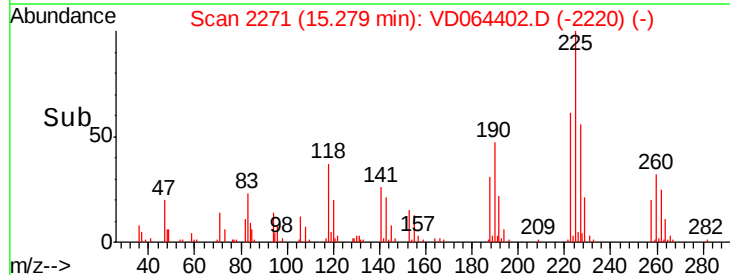
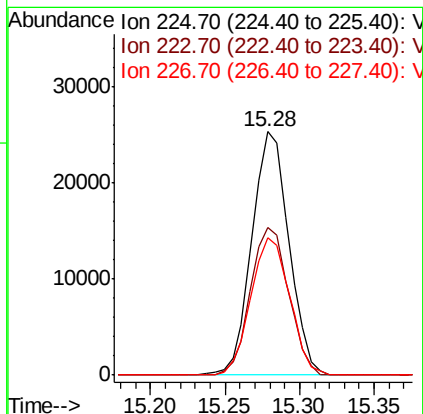
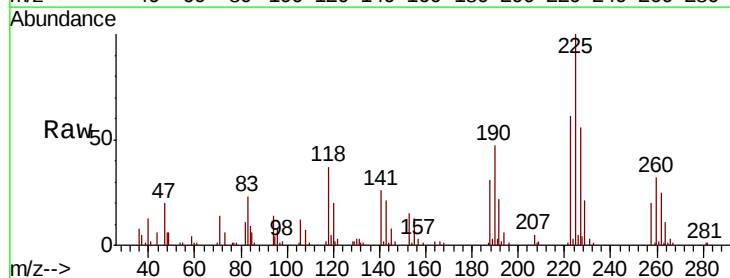
Instrument :
 MSVOA_D
 ClientSampleId :

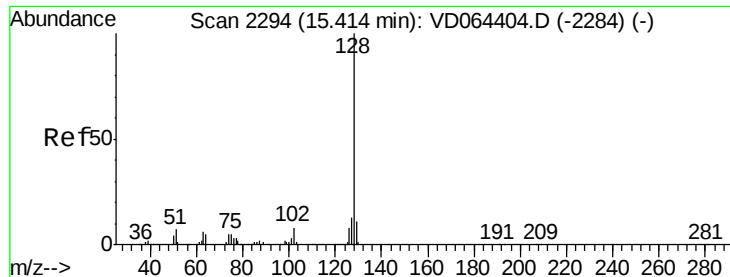
Tot Ion:180 Resp: 70078
 Ion Ratio Lower Upper
 180 100
 182 92.1 47.4 142.3
 145 26.9 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 11.071 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064402.D
 Acq: 27 Nov 2019 18:22

Tgt Ion:225 Resp: 43354
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.1 93.3
 227 59.1 31.8 95.4





#95

Naphthalene

Concen: 11.734 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

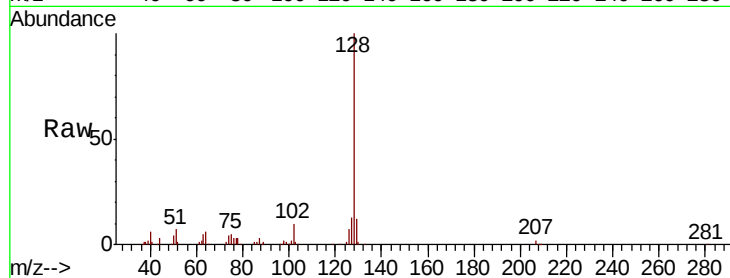
Tot Ion:128 Resp: 117914

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

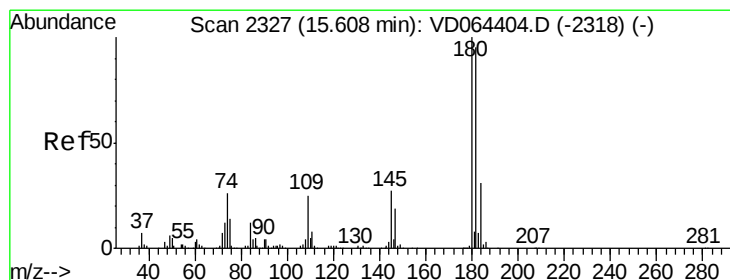
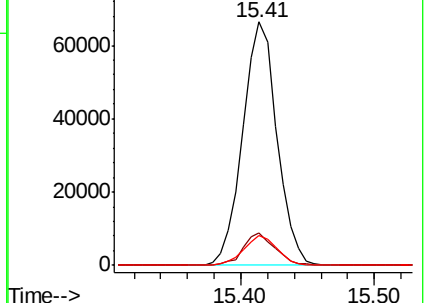
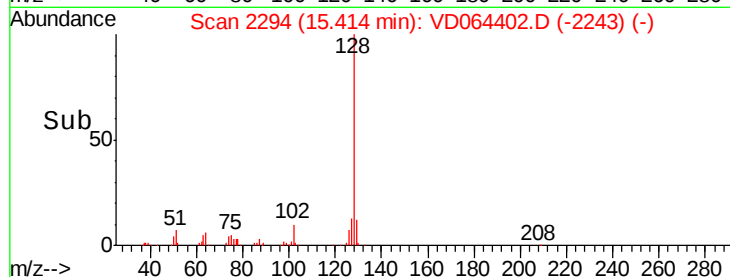
129 11.8 8.8 13.2



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: 11.394 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064402.D

Acq: 27 Nov 2019 18:22

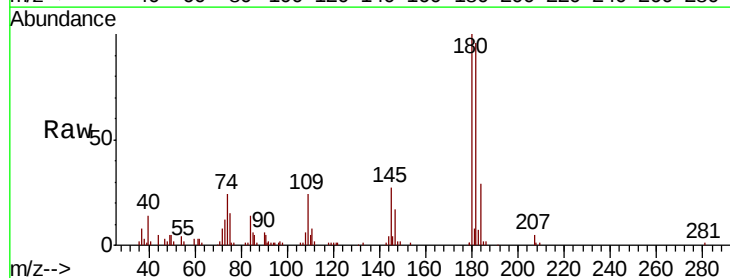
Tgt Ion:180 Resp: 59318

Ion Ratio Lower Upper

180 100

182 99.3 47.6 142.9

145 29.7 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

