

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064394.D
 Acq On : 27 Nov 2019 14:11
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 07:23:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	538911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	785948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	690359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328175	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	24614	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
35) Dibromofluoromethane	7.92	113	23747	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
50) Toluene-d8	10.34	98	93596	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
62) 4-Bromofluorobenzene	12.64	95	29178	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	22856	4.681	ug/l	97
3) Chloromethane	2.21	50	30127	4.892	ug/l	94
4) Vinyl Chloride	2.35	62	34057	4.789	ug/l	96
5) Bromomethane	2.77	94	26539	5.047	ug/l	87
6) Chloroethane	2.92	64	23937	5.036	ug/l	97
7) Trichlorofluoromethane	3.27	101	57564	4.869	ug/l	96
8) Diethyl Ether	3.71	74	12720	5.178	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	25096	4.951	ug/l	99
10) Methyl Iodide	4.29	142	21481	4.013	ug/l	96
11) Tert butyl alcohol	5.24	59	1378	4.438	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	23180	4.772	ug/l	92
13) Acrolein	3.91	56	8116	19.163	ug/l	96
14) Allyl chloride	4.71	41	36657	4.836	ug/l	98
15) Acrylonitrile	5.43	53	24461	22.771	ug/l	98
16) Acetone	4.17	43	24291	24.643	ug/l	99
17) Carbon Disulfide	4.40	76	75201	4.888	ug/l	99
18) Methyl Acetate	4.73	43	13777	4.791	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	51703	4.640	ug/l #	89
20) Methylene Chloride	4.96	84	28806	1.432	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	27835	5.066	ug/l	95
22) Diisopropyl ether	6.37	45	70477	4.709	ug/l	93
23) Vinyl Acetate	6.31	43	195883	22.203	ug/l	100
24) 1,1-Dichloroethane	6.27	63	43434	4.826	ug/l	96
25) 2-Butanone	7.23	43	33302	23.889	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	39178	5.006	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	28013	4.676	ug/l	95
28) Bromochloromethane	7.54	49	18037	5.864	ug/l	98
29) Tetrahydrofuran	7.57	42	22197	25.027	ug/l	92
30) Chloroform	7.71	83	52096	5.589	ug/l	96
31) Cyclohexane	7.98	56	52389	2.290	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	41211	4.769	ug/l	99
36) 1,1-Dichloropropene	8.11	75	37664	5.066	ug/l	97
37) Ethyl Acetate	7.30	43	14007	4.440	ug/l #	93
38) Carbon Tetrachloride	8.10	117	37624	4.795	ug/l	93

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 07:23:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	46436	5.036	ug/l	95
40) Benzene	8.35	78	97302	4.713	ug/l	98
41) Methacrylonitrile	7.53	41	7501	4.147	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	27752	4.609	ug/l	98
43) Isopropyl Acetate	8.46	43	28219	4.550	ug/l	96
44) Trichloroethene	9.11	130	30102	4.840	ug/l	97
45) 1,2-Dichloropropane	9.39	63	24927	5.048	ug/l	100
46) Dibromomethane	9.48	93	13060	4.686	ug/l	98
47) Bromodichloromethane	9.67	83	35105	4.902	ug/l	94
48) Methyl methacrylate	9.46	41	13319	4.693	ug/l	94
49) 1,4-Dioxane	9.47	88	3522	102.339	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	68220	22.230	ug/l	100
52) Toluene	10.40	92	65537	4.870	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	31436	4.606	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	37065	4.572	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	17833	4.673	ug/l	95
56) Ethyl methacrylate	10.66	69	22678	4.659	ug/l	97
57) 1,3-Dichloropropane	10.95	76	30488	4.693	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	53333	27.487	ug/l	98
59) 2-Hexanone	10.99	43	47396	22.258	ug/l	98
60) Dibromochloromethane	11.14	129	23090	4.463	ug/l	98
61) 1,2-Dibromoethane	11.25	107	16474	4.324	ug/l	98
64) Tetrachloroethene	10.88	164	26223	4.981	ug/l	93
65) Chlorobenzene	11.67	112	70440	4.892	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	25495	4.783	ug/l	97
67) Ethyl Benzene	11.75	91	122806	4.794	ug/l	96
68) m/p-Xylenes	11.85	106	90073	9.221	ug/l	95
69) o-Xylene	12.18	106	42145	4.672	ug/l	98
70) Styrene	12.20	104	67616	4.313	ug/l	96
71) Bromoform	12.36	173	13528	4.242	ug/l #	95
73) Isopropylbenzene	12.48	105	110686	4.690	ug/l	96
74) N-amyl acetate	12.30	43	23394	4.367	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	19143	4.904	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	23610	8.748	ug/l #	100
77) Bromobenzene	12.77	156	28550	4.898	ug/l	98
78) n-propylbenzene	12.83	91	133480	4.901	ug/l	99
79) 2-Chlorotoluene	12.91	91	75913	5.066	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	97422	5.051	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	5145	4.157	ug/l	95
82) 4-Chlorotoluene	13.01	91	77676	4.896	ug/l	99
83) tert-Butylbenzene	13.23	119	80656	4.810	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	93781	4.835	ug/l	98
85) sec-Butylbenzene	13.41	105	112302	4.880	ug/l	98
86) p-Isopropyltoluene	13.53	119	104290	4.800	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	54887	4.961	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	55388	5.071	ug/l	93
89) n-Butylbenzene	13.85	91	97033	4.918	ug/l	99
90) Hexachloroethane	14.12	117	19627	4.830	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	46591	4.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	3144	1.107	ug/l	87

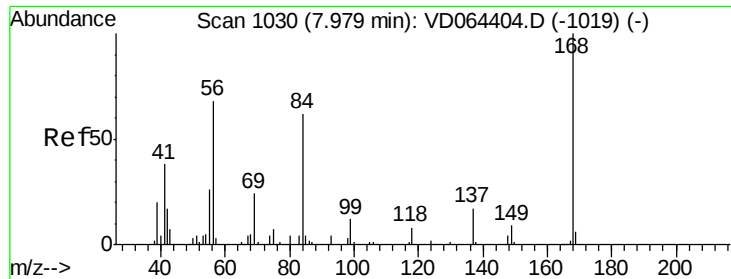
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
Data File : VD064394.D
Acq On : 27 Nov 2019 14:11
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Sample : VSTDICC005
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 29 07:23:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	36395	5.027	ug/l	99
94) Hexachlorobutadiene	15.28	225	22790	5.099	ug/l	98
95) Naphthalene	15.41	128	56881	4.707	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	30035	4.860	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

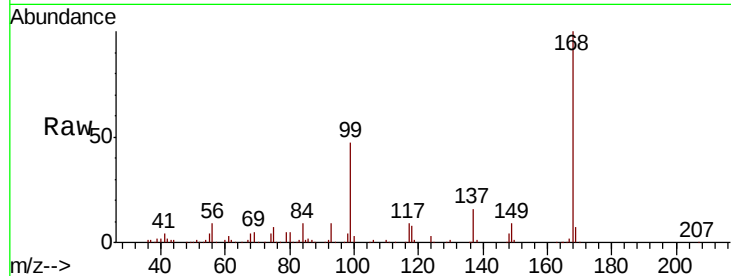
ClientSampleId :

Tot Ion:168 Resp: 538911

Ion Ratio Lower Upper

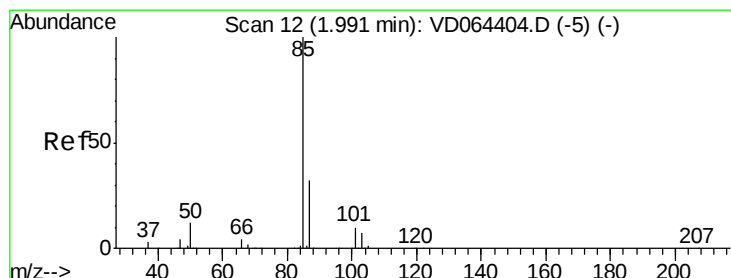
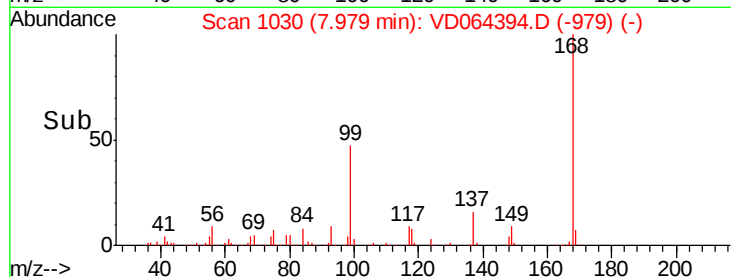
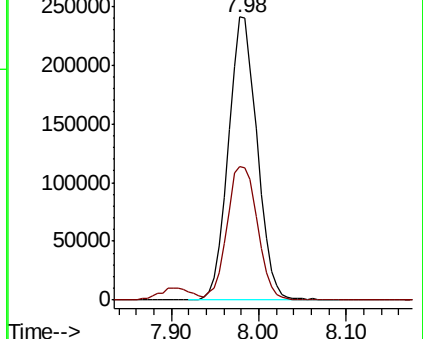
168 100

99 47.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.681 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064394.D

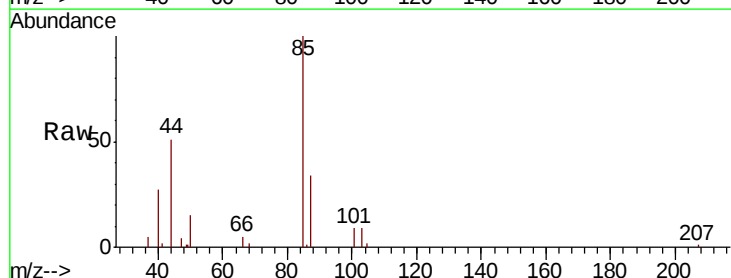
Acq: 27 Nov 2019 14:11

Tgt Ion: 85 Resp: 22856

Ion Ratio Lower Upper

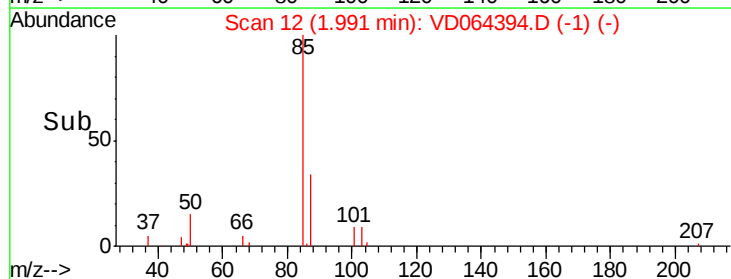
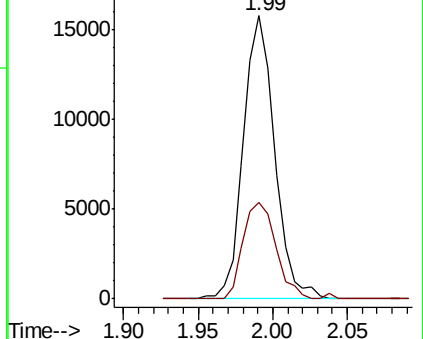
85 100

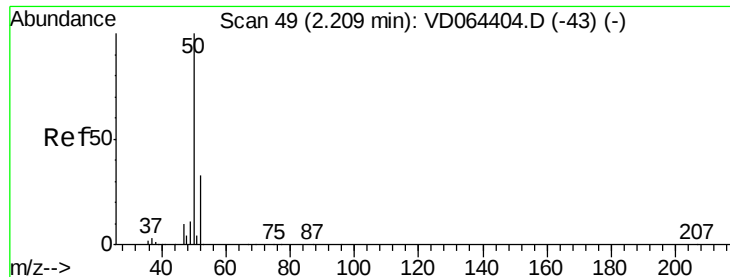
87 33.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 4.892 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

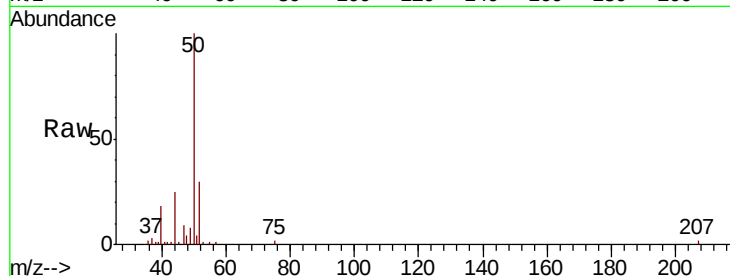
ClientSampleId :

Tot Ion: 50 Resp: 30127

Ion Ratio Lower Upper

50 100

52 29.9 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

15000

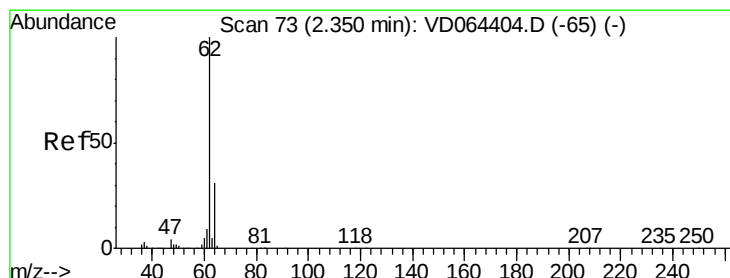
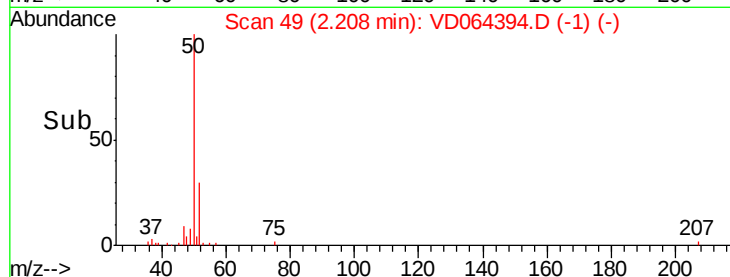
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 4.789 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064394.D

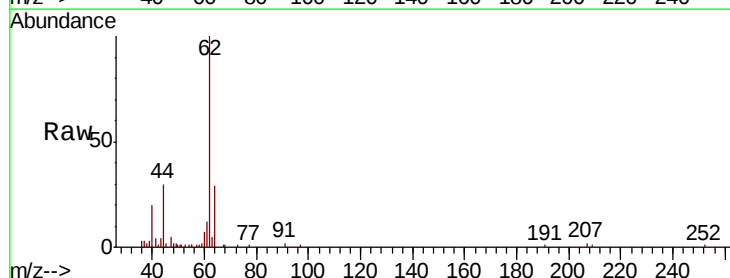
Acq: 27 Nov 2019 14:11

Tgt Ion: 62 Resp: 34057

Ion Ratio Lower Upper

62 100

64 29.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

25000

20000

15000

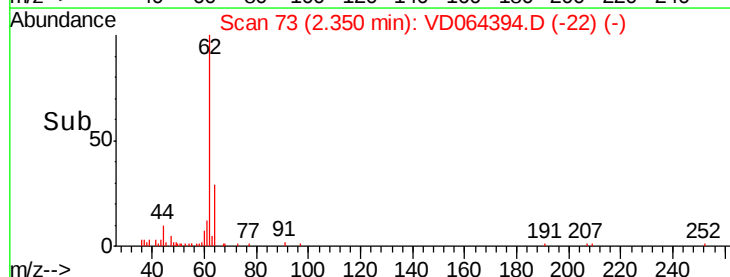
10000

5000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 5.047 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

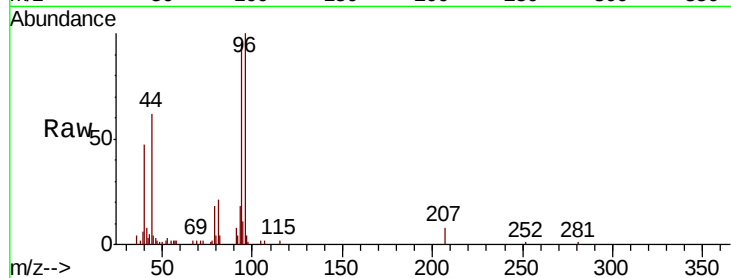
ClientSampleId :

Tot Ion: 94 Resp: 26539

Ion Ratio Lower Upper

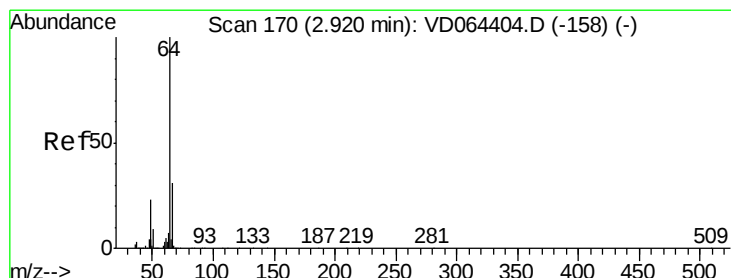
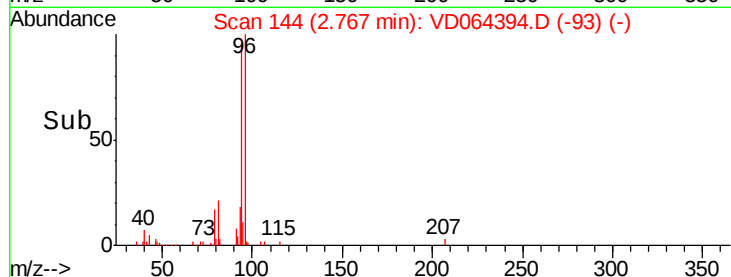
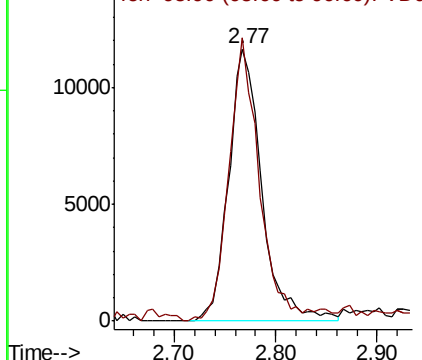
94 100

96 104.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.036 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064394.D

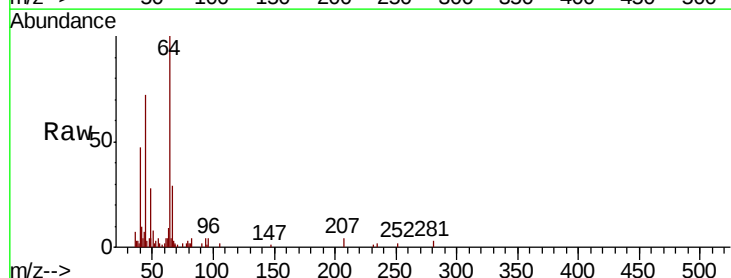
Acq: 27 Nov 2019 14:11

Tgt Ion: 64 Resp: 23937

Ion Ratio Lower Upper

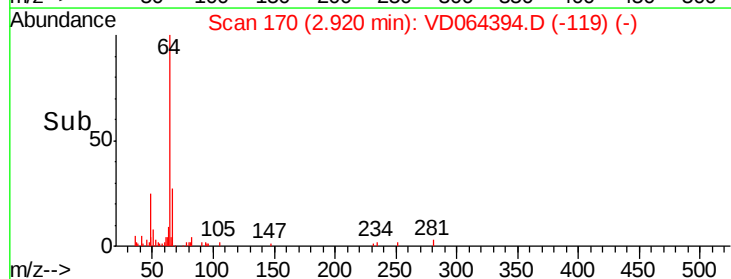
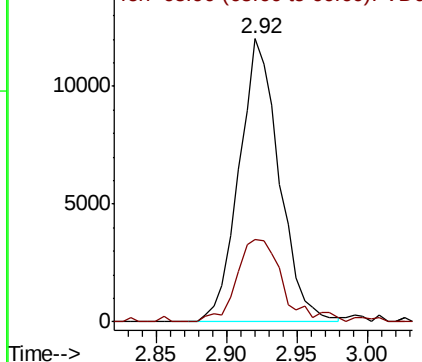
64 100

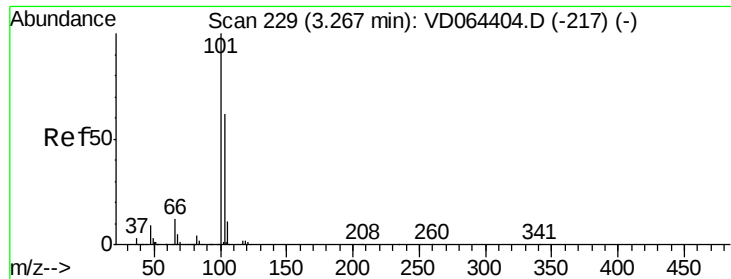
66 29.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



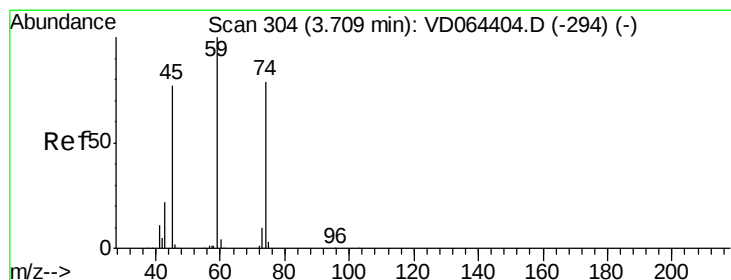
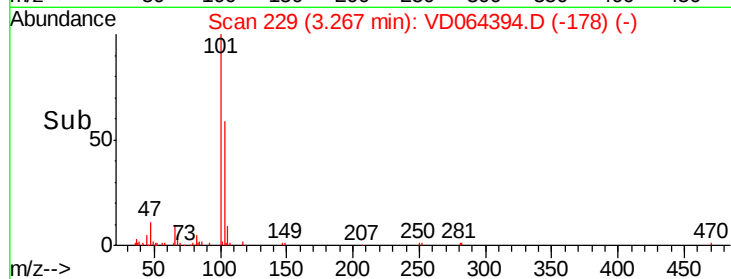
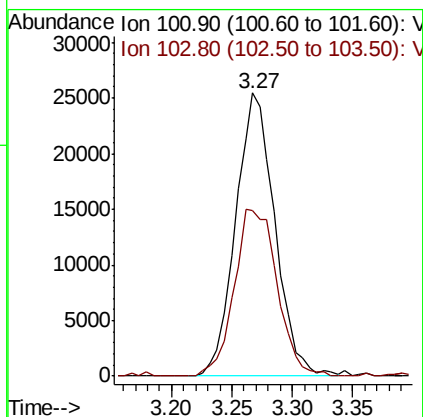
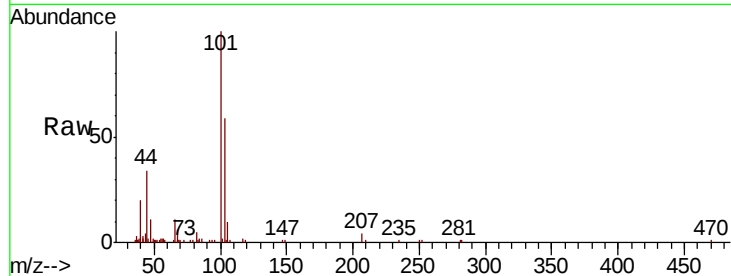


#7

Trichlorofluoromethane
 Concen: 4.869 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

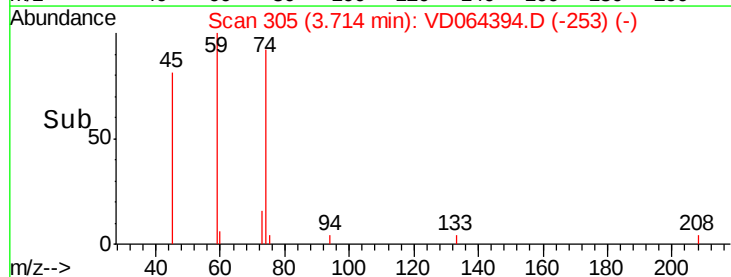
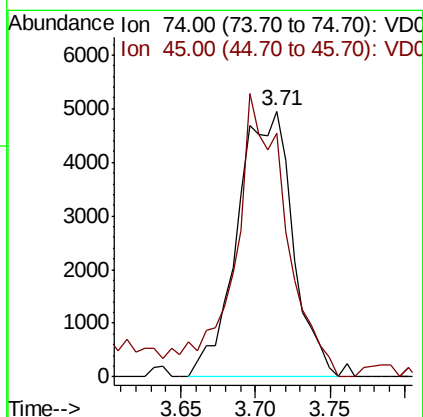
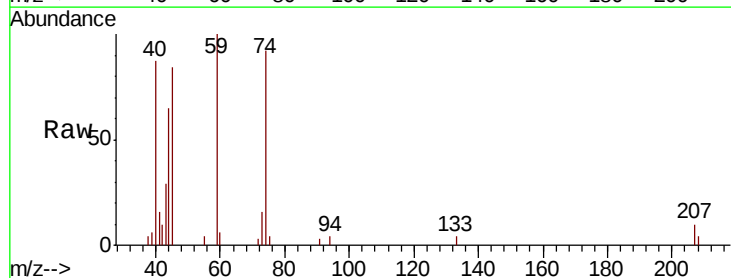
Tot Ion:101 Resp: 57564
 Ion Ratio Lower Upper
 101 100
 103 58.7 49.8 74.6

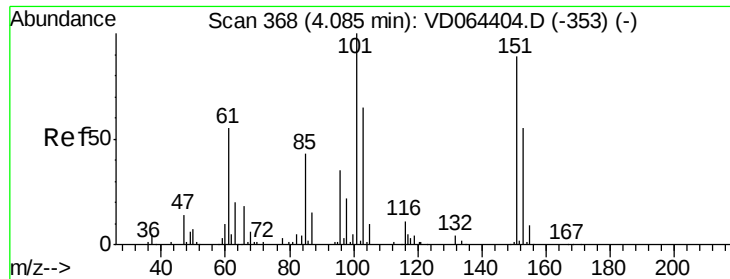


#8

Diethyl Ether
 Concen: 5.178 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Tgt Ion: 74 Resp: 12720
 Ion Ratio Lower Upper
 74 100
 45 100.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.951 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

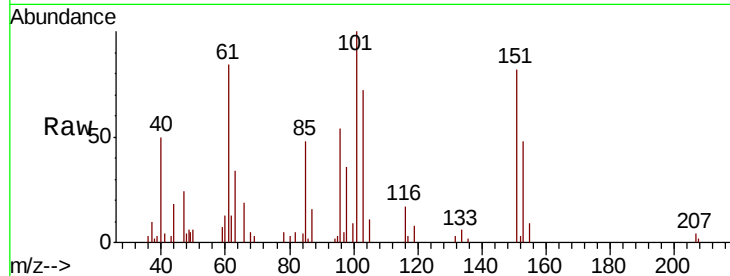
Tot Ion:101 Resp: 25096

Ion Ratio Lower Upper

101 100

85 45.2 34.8 52.2

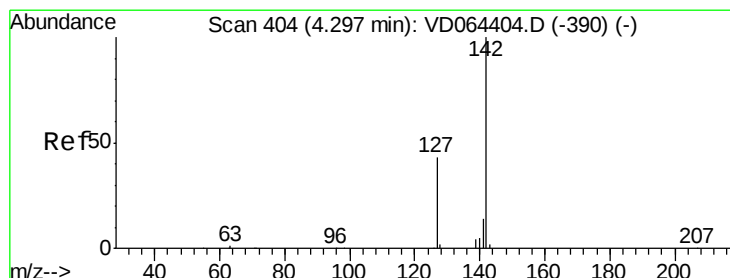
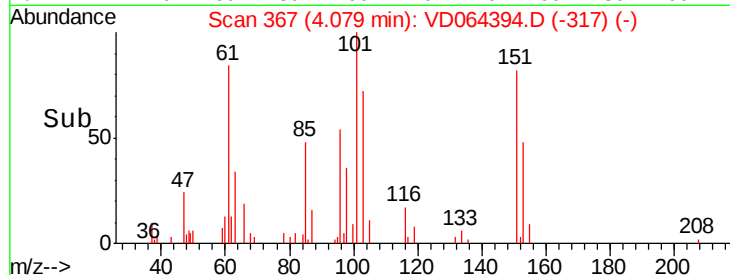
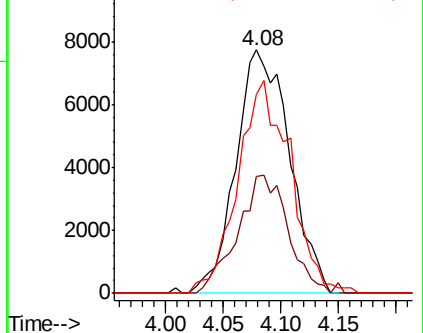
151 85.2 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.013 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

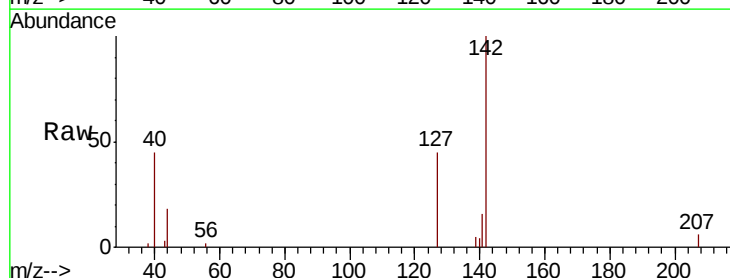
Tgt Ion:142 Resp: 21481

Ion Ratio Lower Upper

142 100

127 47.5 35.3 52.9

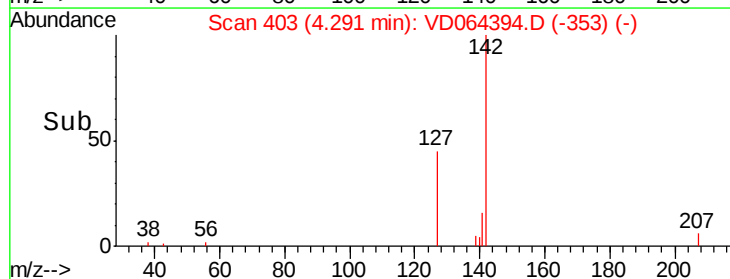
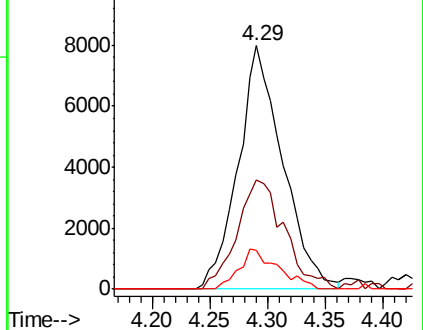
141 14.5 11.6 17.4

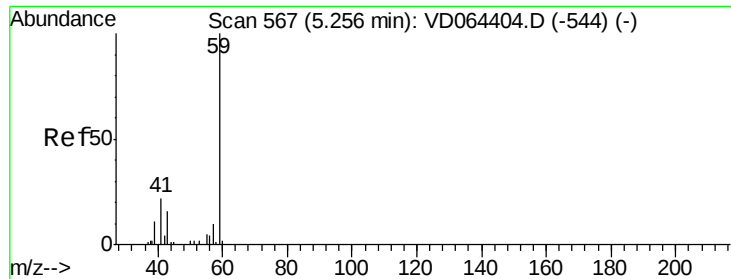


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

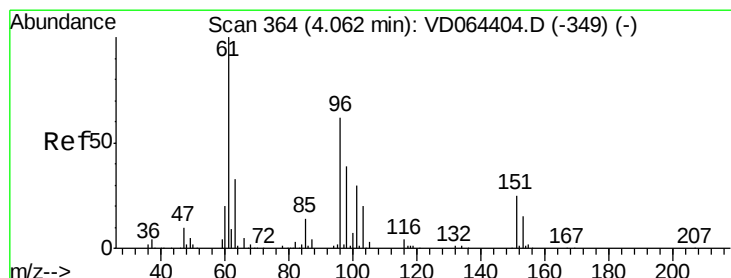
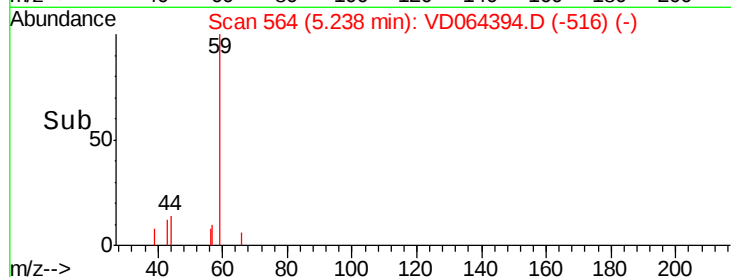
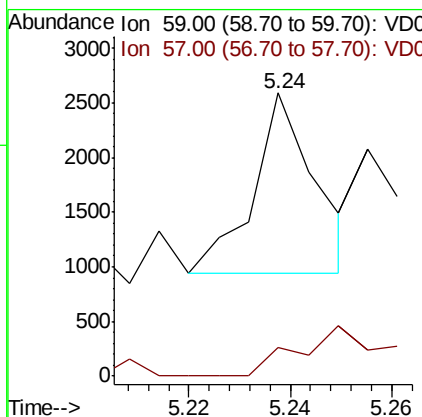
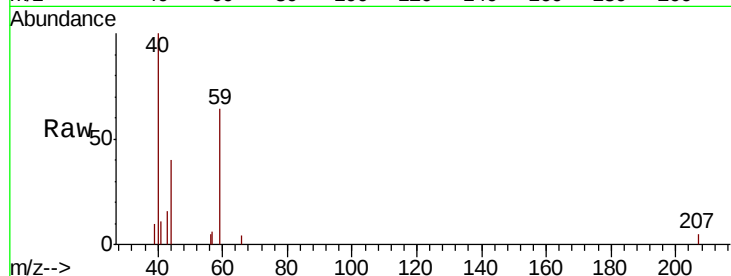




#11
Tert butyl alcohol
Concen: 4.438 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

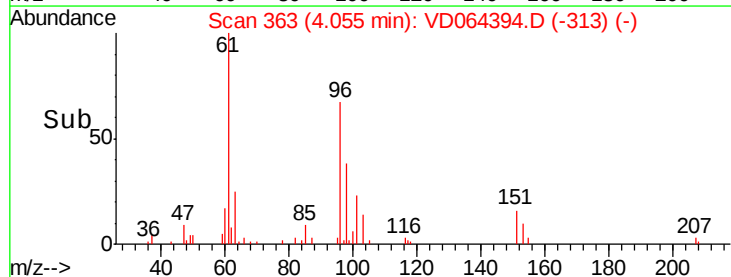
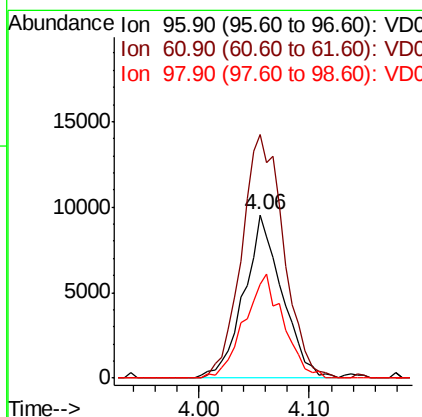
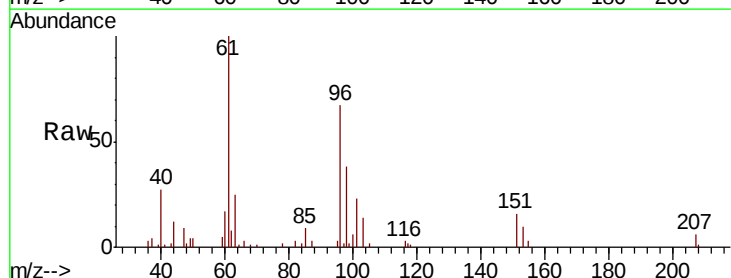
Instrument :
MSVOA_D
ClientSampled :

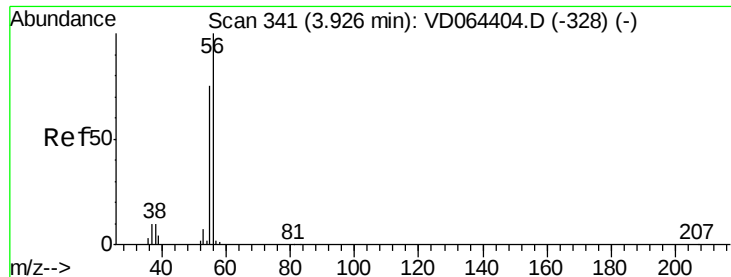
Tot Ion: 59 Resp: 1378
Ion Ratio Lower Upper
59 100
57 42.0 0.0 0.0#



#12
1,1-Dichloroethene
Concen: 4.772 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion: 96 Resp: 23180
Ion Ratio Lower Upper
96 100
61 149.2 128.2 192.4
98 57.3 50.4 75.6





#13

Acrolein

Concen: 19.163 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

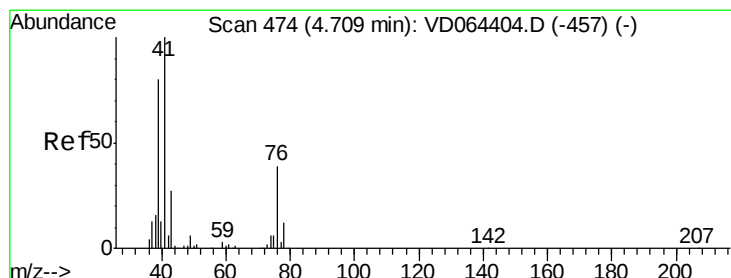
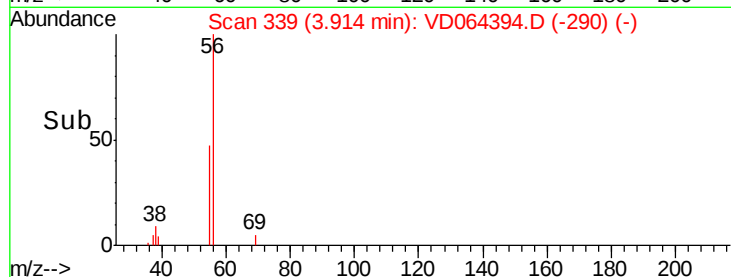
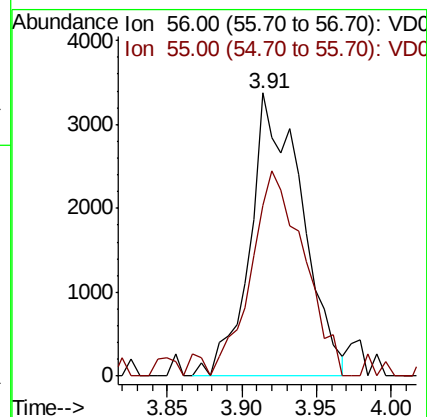
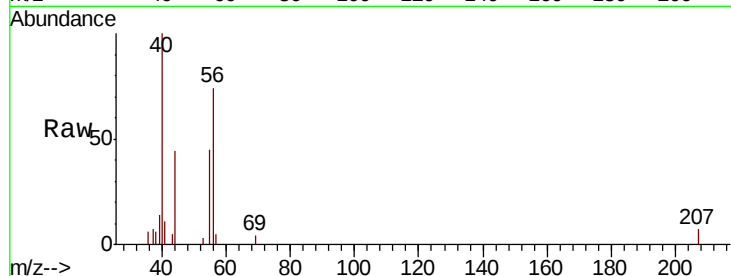
ClientSampleId :

Tot Ion: 56 Resp: 8116

Ion Ratio Lower Upper

56 100

55 74.2 56.9 85.3



#14

Allyl chloride

Concen: 4.836 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

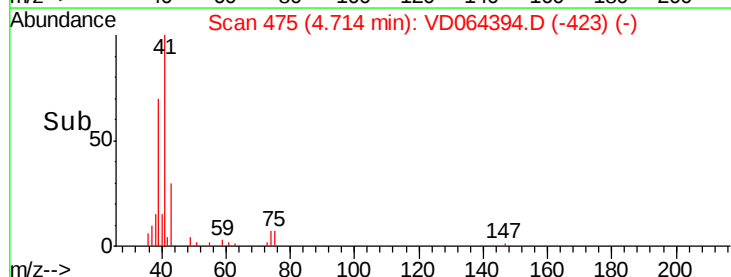
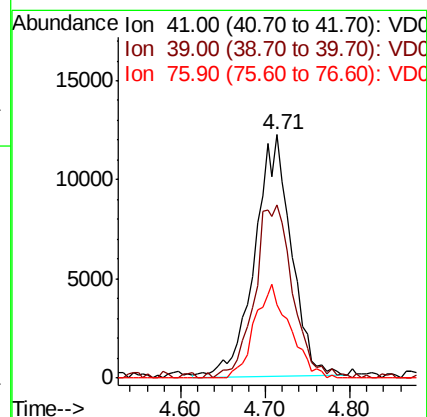
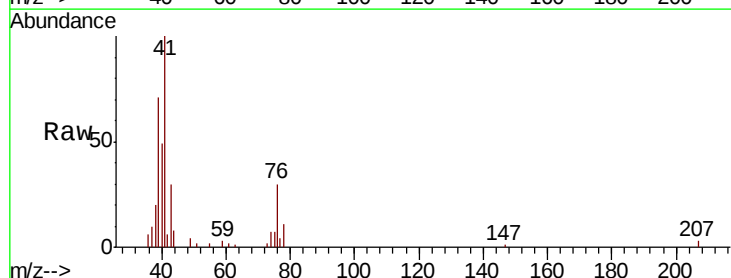
Tgt Ion: 41 Resp: 36657

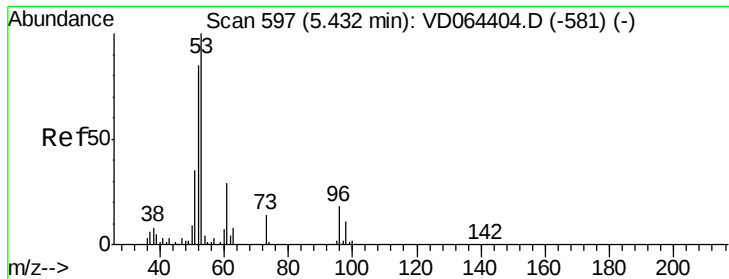
Ion Ratio Lower Upper

41 100

39 75.2 62.1 93.1

76 37.4 29.8 44.8





#15

Acrylonitrile

Concen: 22.771 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

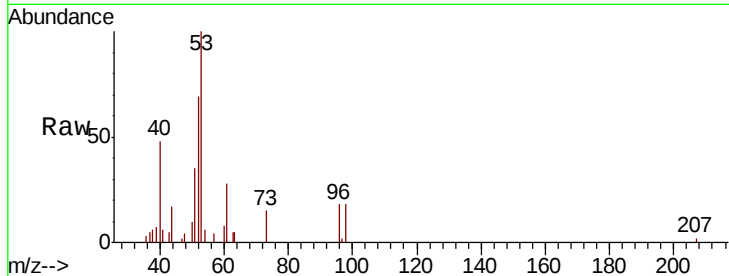
Tot Ion: 53 Resp: 24461

Ion Ratio Lower Upper

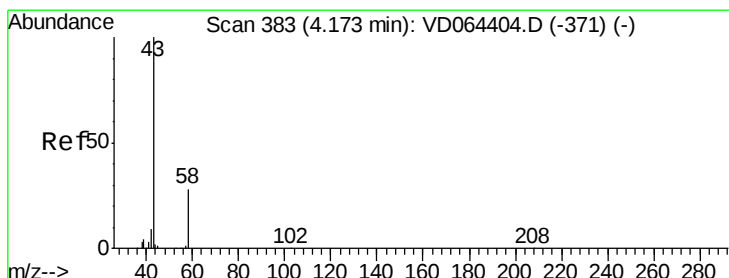
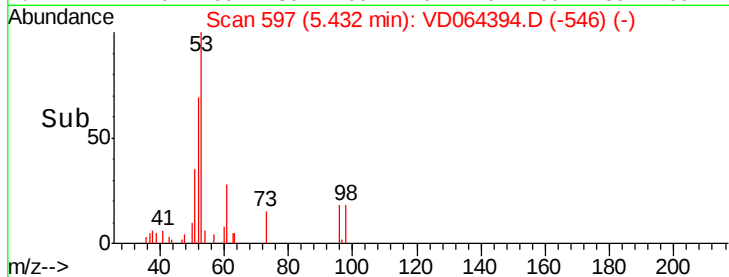
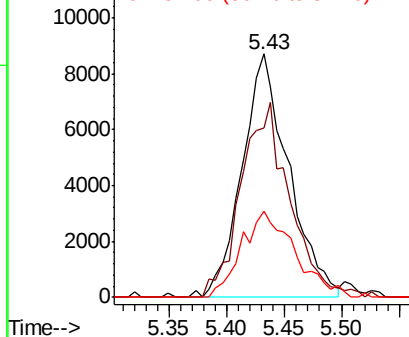
53 100

52 83.7 67.9 101.9

51 40.3 30.6 45.8



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



#16

Acetone

Concen: 24.643 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064394.D

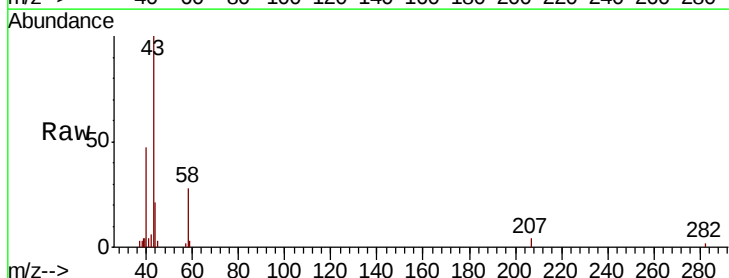
Acq: 27 Nov 2019 14:11

Tgt Ion: 43 Resp: 24291

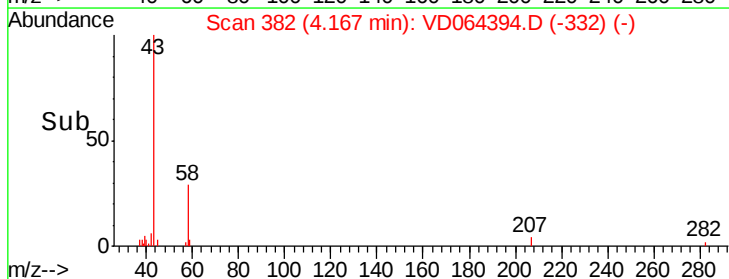
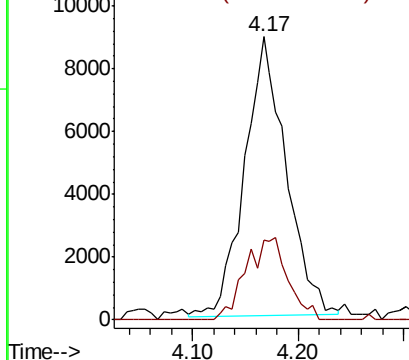
Ion Ratio Lower Upper

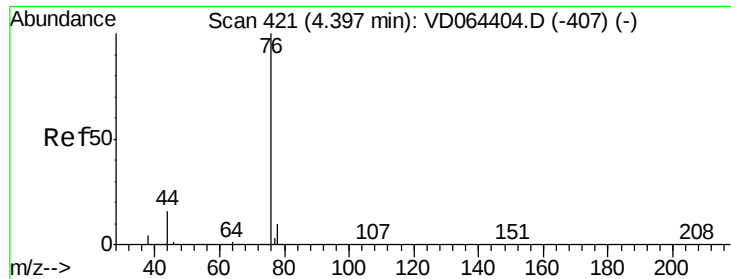
43 100

58 28.6 22.6 33.8



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

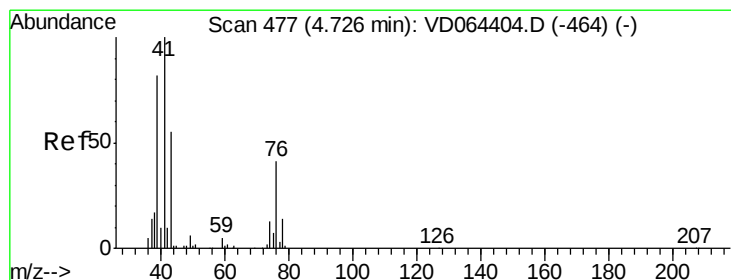
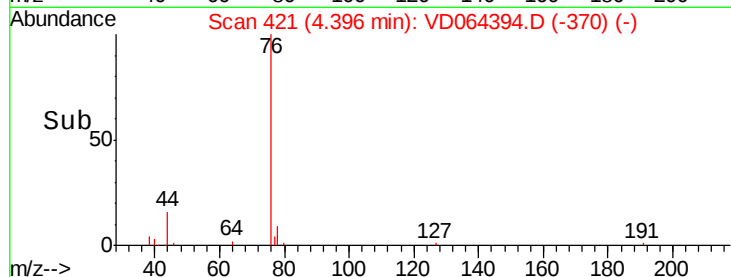
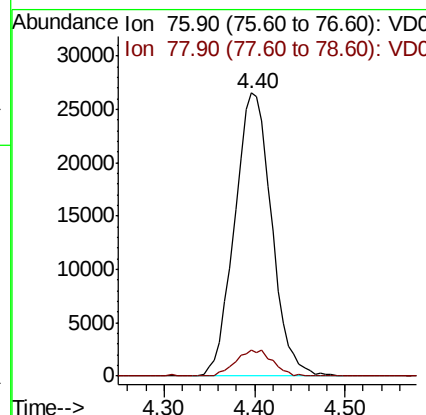
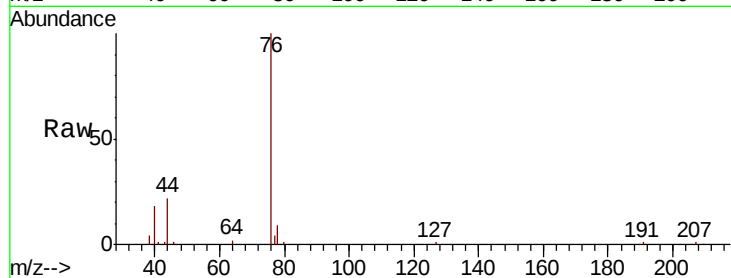




#17
Carbon Disulfide
Concen: 4.888 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

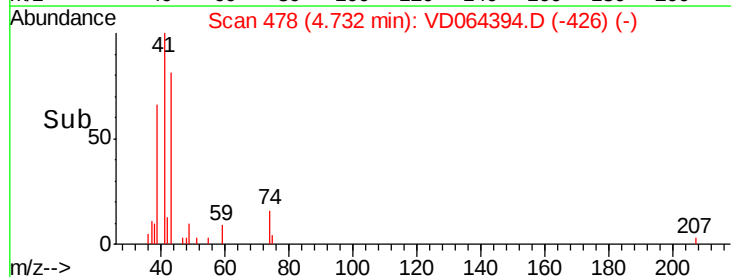
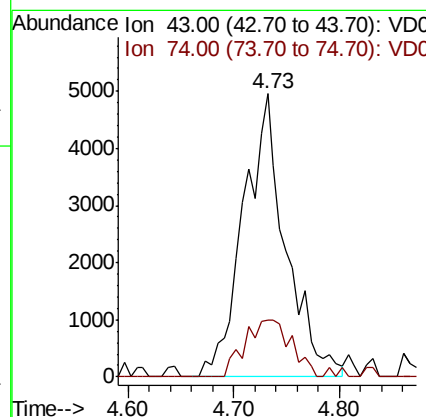
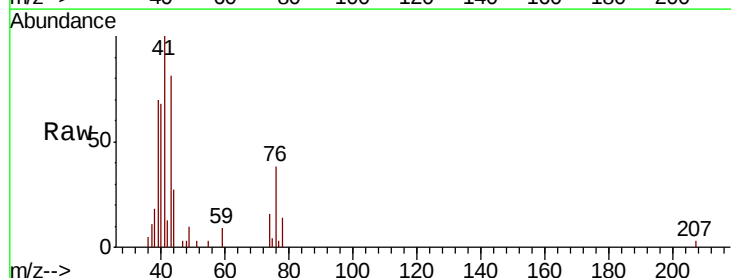
Instrument :
MSVOA_D
ClientSampleId :

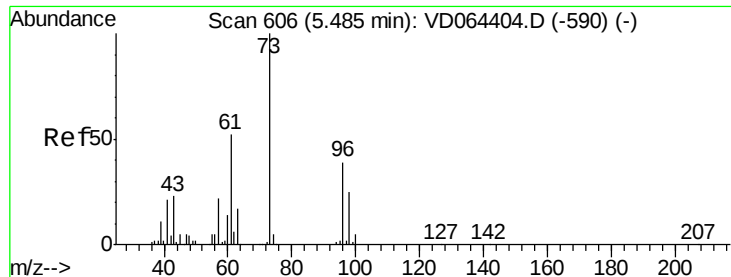
Tot Ion: 76 Resp: 75201
Ion Ratio Lower Upper
76 100
78 9.4 7.8 11.8



#18
Methyl Acetate
Concen: 4.791 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion: 43 Resp: 13777
Ion Ratio Lower Upper
43 100
74 22.0 19.7 29.5



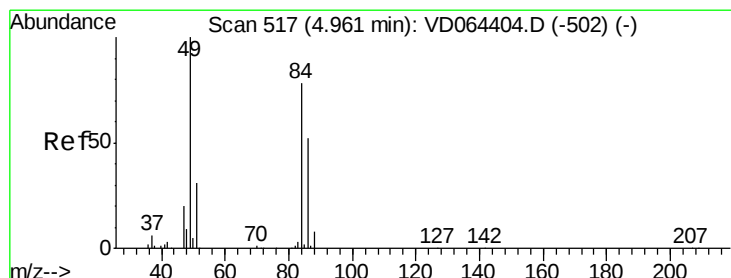
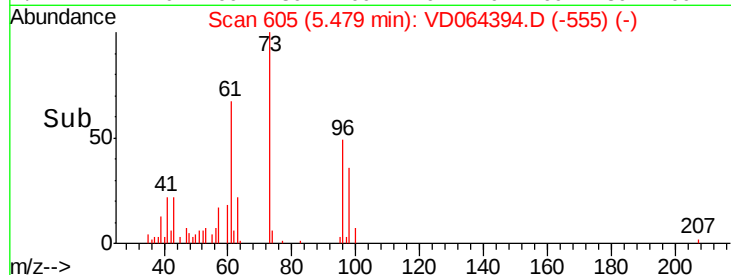
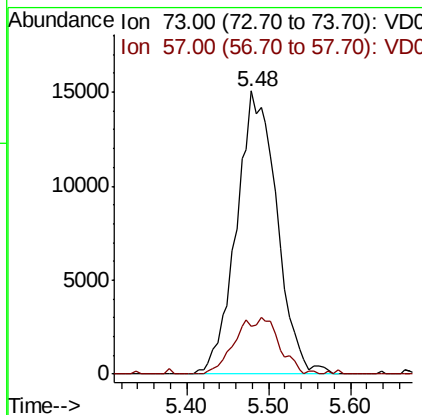
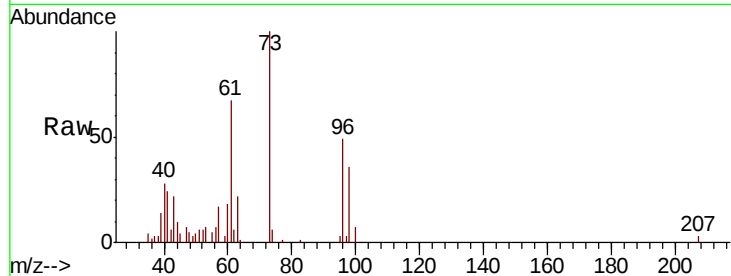


#19

Methyl tert-butyl Ether
 Concen: 4.640 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

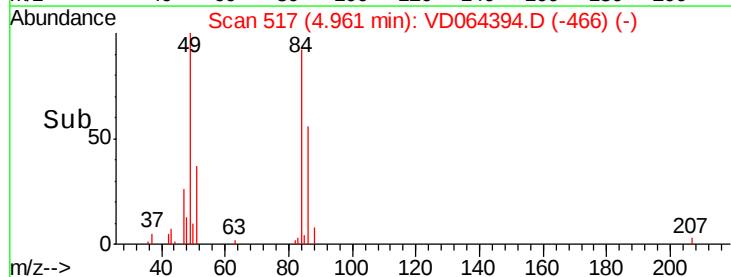
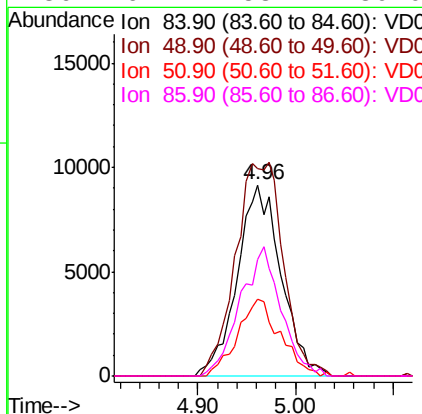
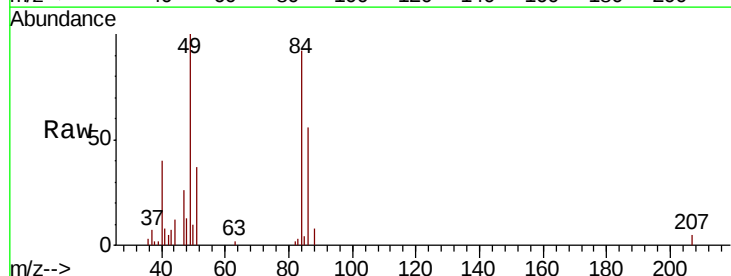
Tot Ion: 73 Resp: 51703
 Ion Ratio Lower Upper
 73 100
 57 16.9 17.6 26.4#

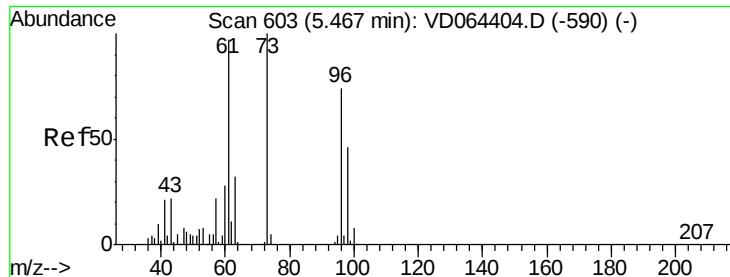


#20

Methylene Chloride
 Concen: 1.432 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Tgt Ion: 84 Resp: 28806
 Ion Ratio Lower Upper
 84 100
 49 108.7 102.6 153.8
 51 40.4 32.0 48.0
 86 61.2 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 5.066 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

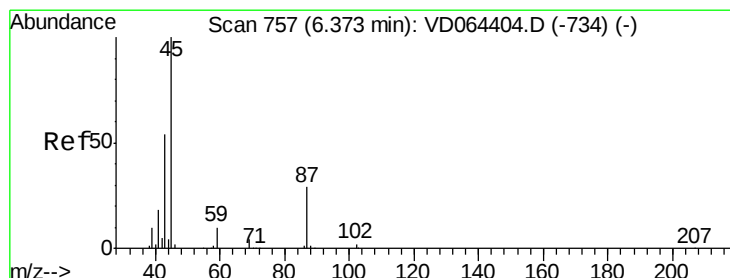
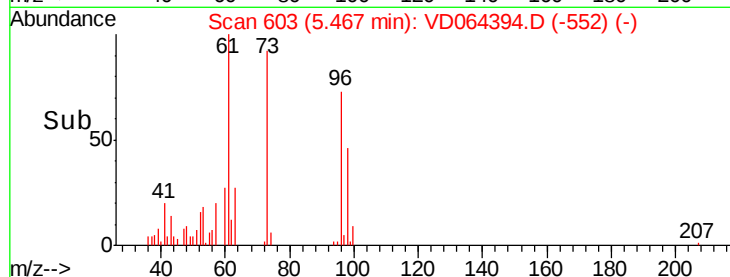
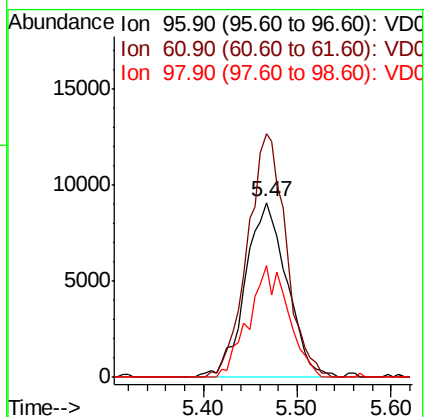
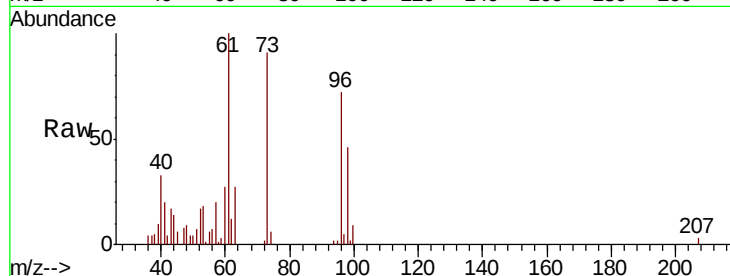
Tot Ion: 96 Resp: 27835

Ion Ratio Lower Upper

96 100

61 139.4 105.8 158.6

98 63.9 50.1 75.1



#22

Diisopropyl ether

Concen: 4.709 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Tgt Ion: 45 Resp: 70477

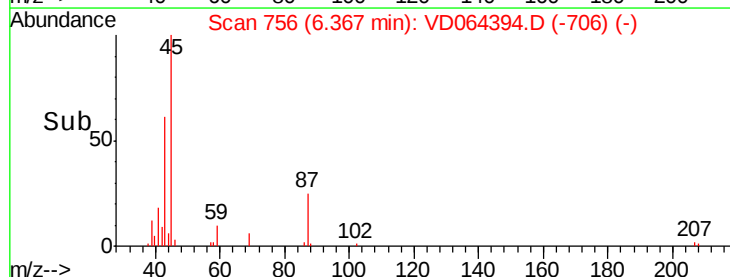
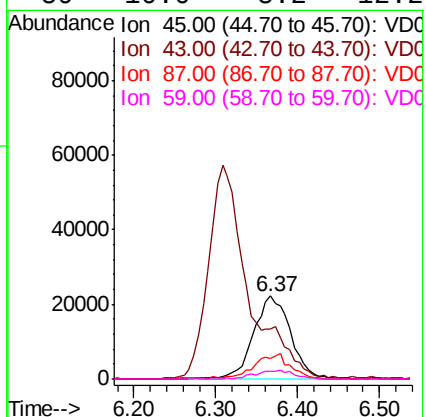
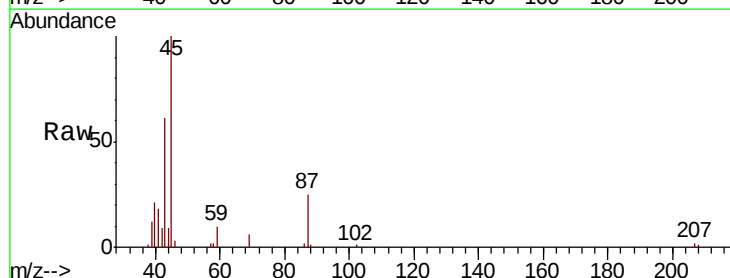
Ion Ratio Lower Upper

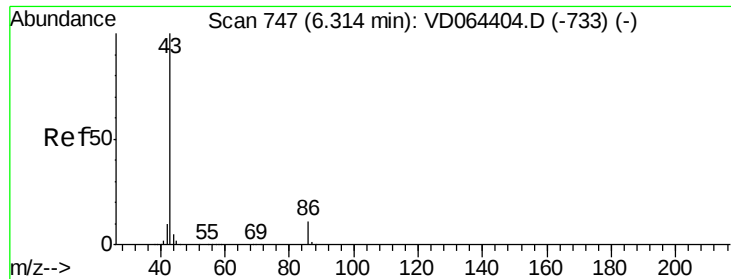
45 100

43 58.8 43.1 64.7

87 24.1 23.5 35.3

59 10.0 8.2 12.2





#23

Vinyl Acetate

Concen: 22.203 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

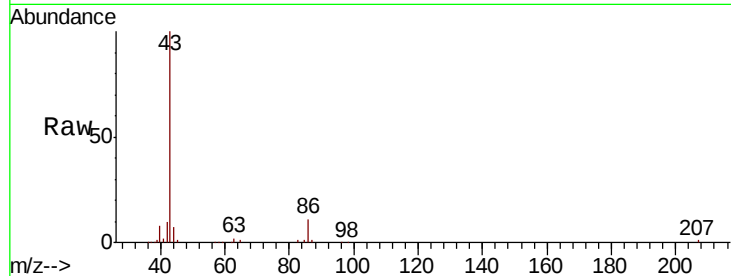
ClientSampleId :

Tot Ion: 43 Resp: 195883

Ion Ratio Lower Upper

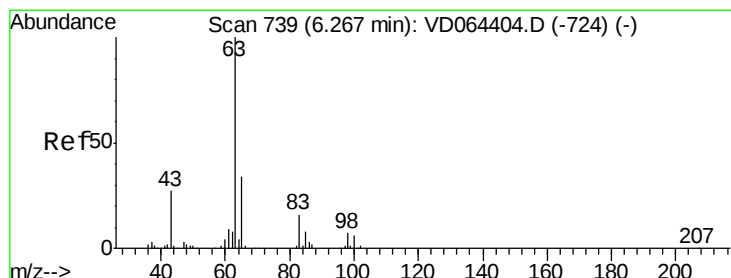
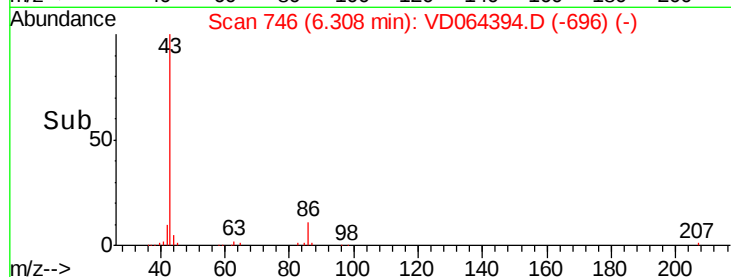
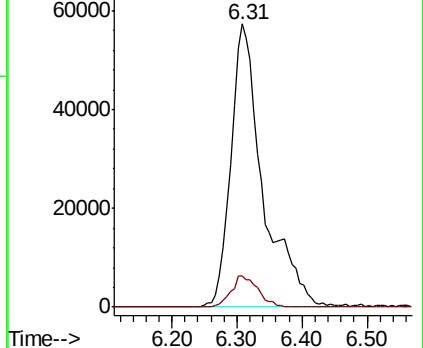
43 100

86 11.1 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.826 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

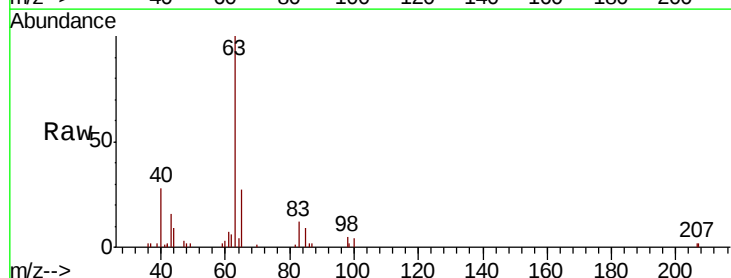
Tgt Ion: 63 Resp: 43434

Ion Ratio Lower Upper

63 100

98 6.4 3.6 10.9

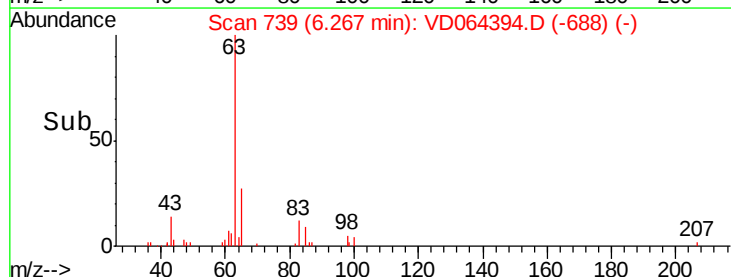
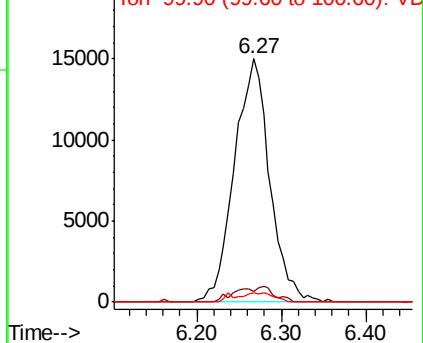
100 4.1 2.9 8.6

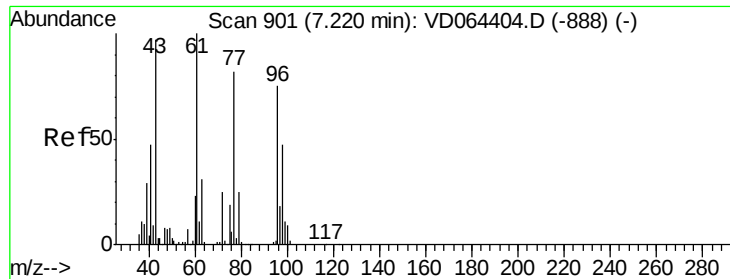


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 23.889 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

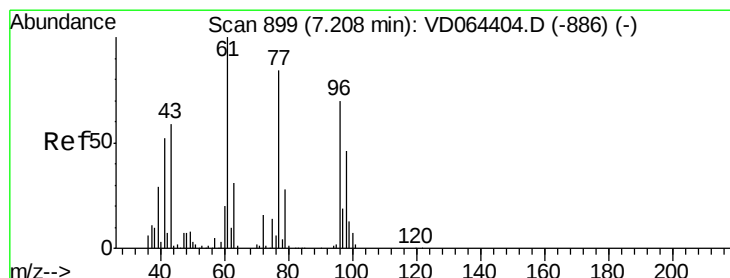
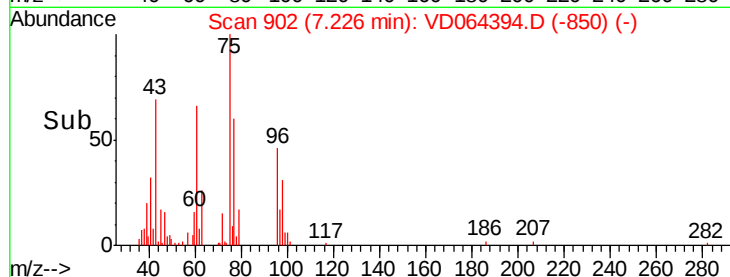
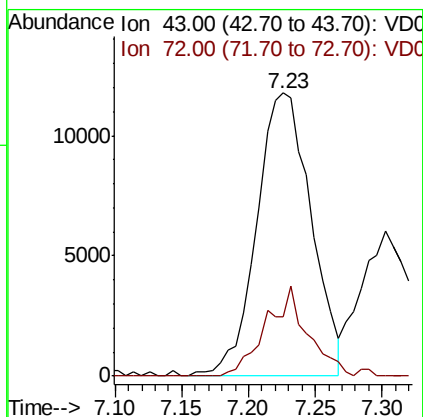
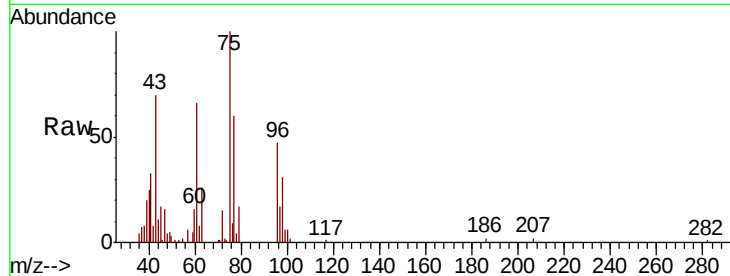
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 33302

Ion Ratio Lower Upper

43 100

72 20.8 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 5.006 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064394.D

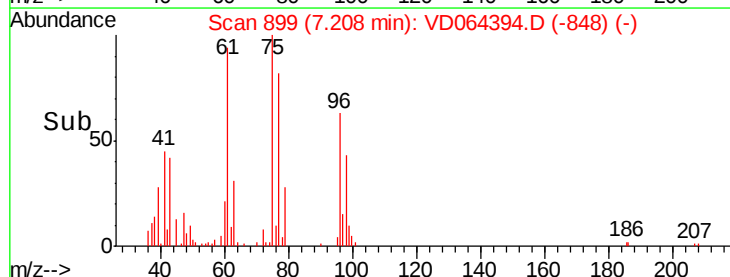
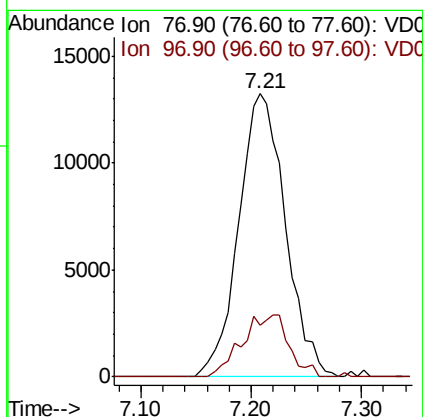
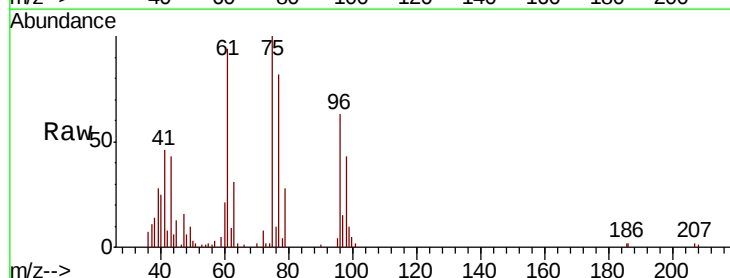
Acq: 27 Nov 2019 14:11

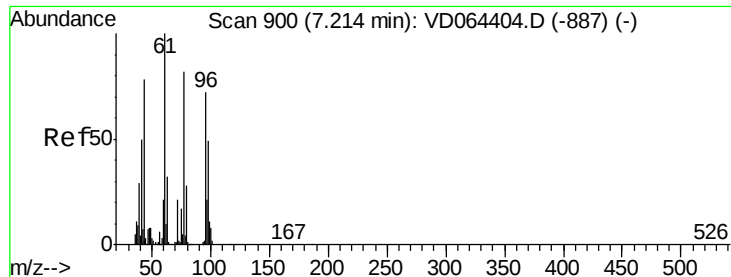
Tgt Ion: 77 Resp: 39178

Ion Ratio Lower Upper

77 100

97 22.0 11.6 34.7



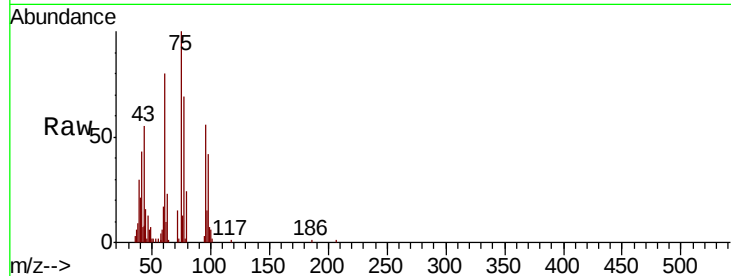


#27

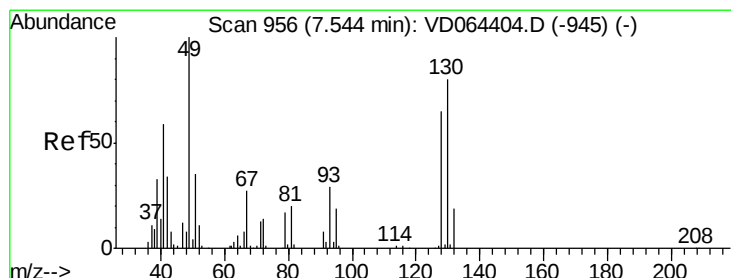
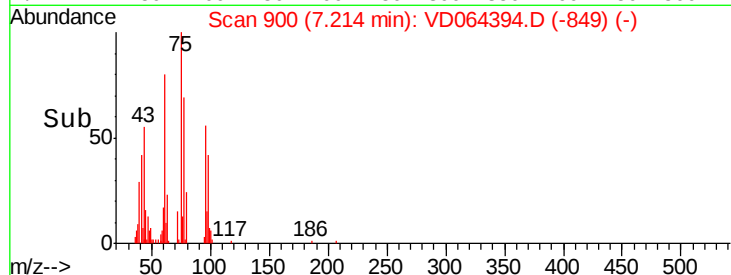
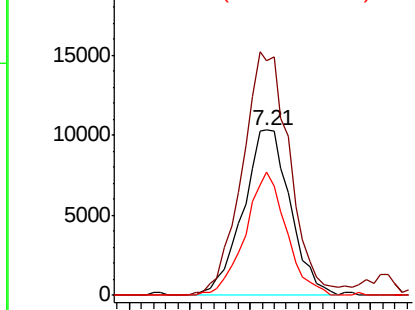
cis-1,2-Dichloroethene
Concen: 4.676 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 28013
Ion Ratio Lower Upper
96 100
61 148.1 0.0 279.6
98 64.7 0.0 129.2



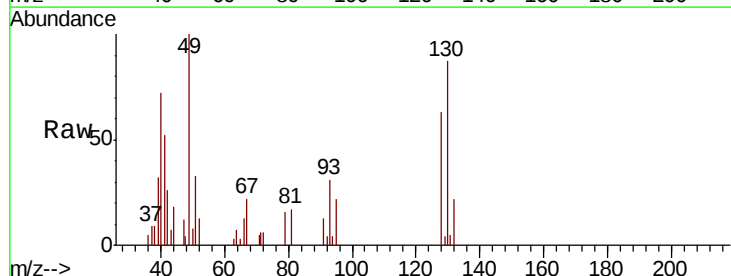
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



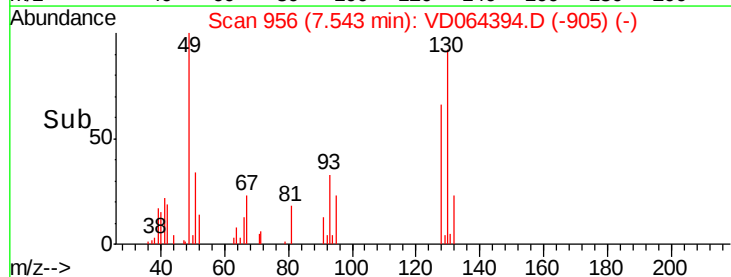
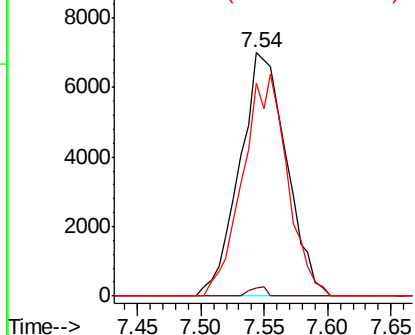
#28

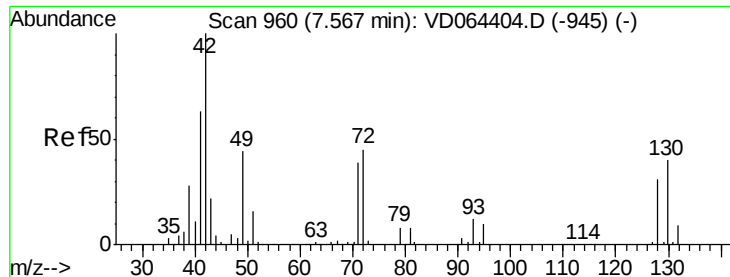
Bromochloromethane
Concen: 5.864 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion: 49 Resp: 18037
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.4
130 86.2 67.4 101.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

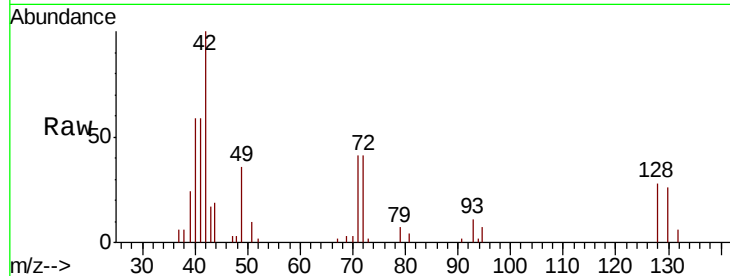




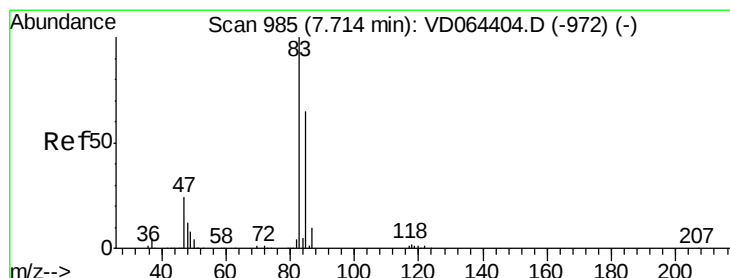
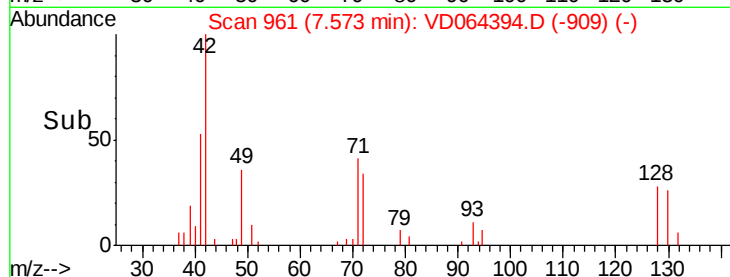
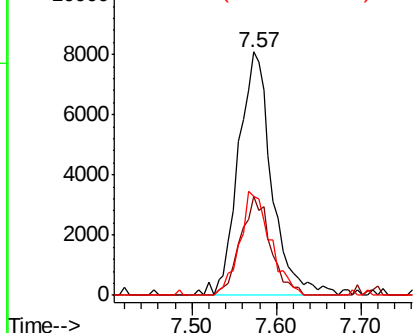
#29
Tetrahydrofuran
Concen: 25.027 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 22197
Ion Ratio Lower Upper
42 100
72 36.7 35.8 53.8
71 38.8 32.7 49.1

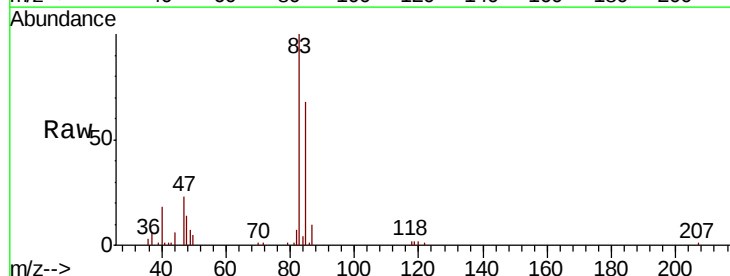


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

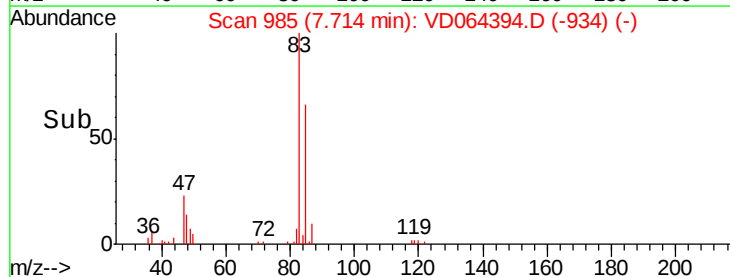
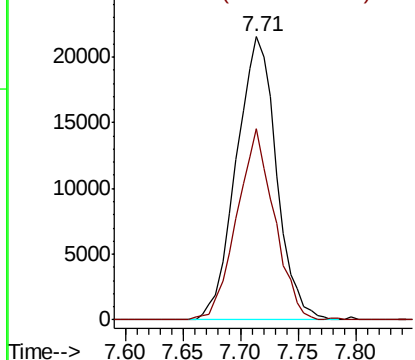


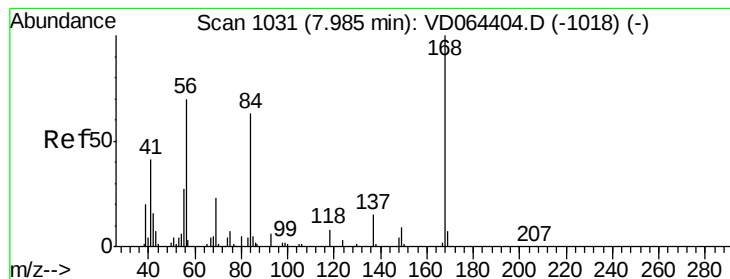
#30
Chloroform
Concen: 5.589 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion: 83 Resp: 52096
Ion Ratio Lower Upper
83 100
85 67.5 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: 2.290 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

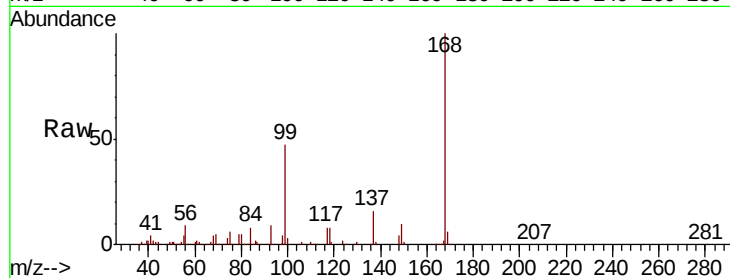
Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

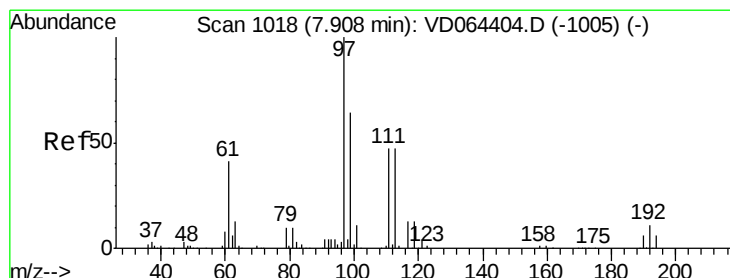
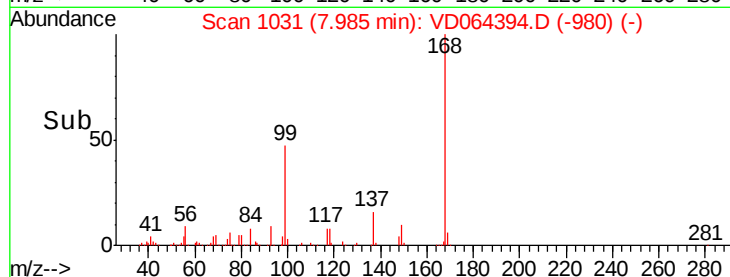
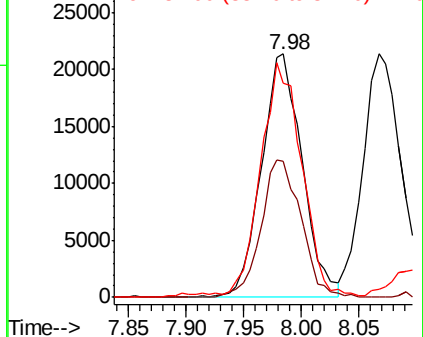
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 52389

Ion	Ratio	Lower	Upper
56	100		
69	56.1	26.2	39.4#
84	86.8	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: 4.769 ug/l

RT: 7.90 min Scan# 1017

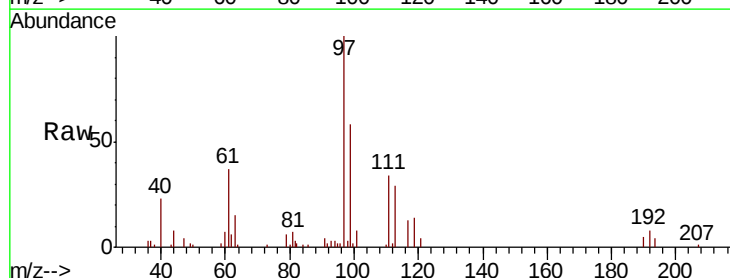
Delta R.T. -0.01 min

Lab File: VD064394.D

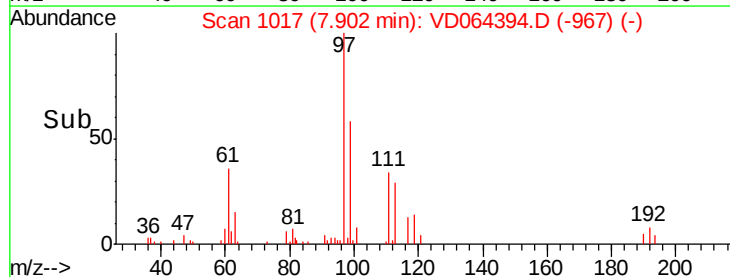
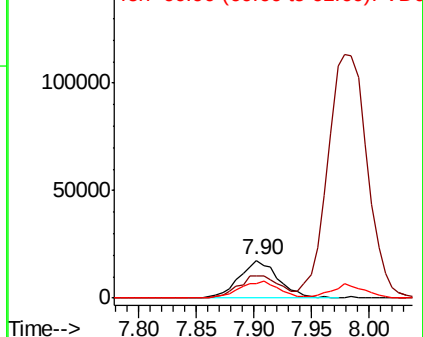
Acq: 27 Nov 2019 14:11

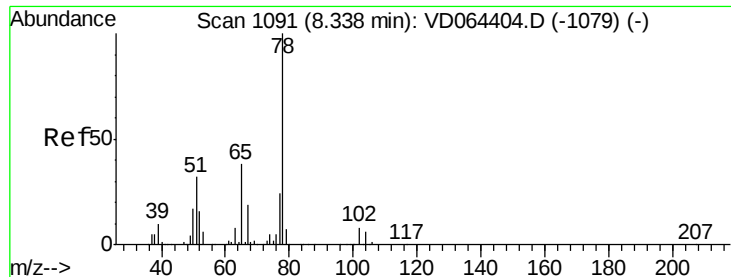
Tgt Ion: 97 Resp: 41211

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.2
61	44.5	35.0	52.4



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

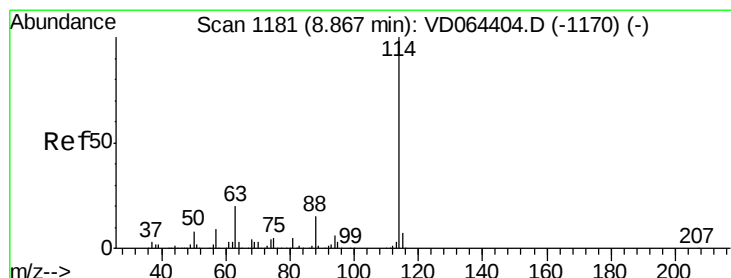
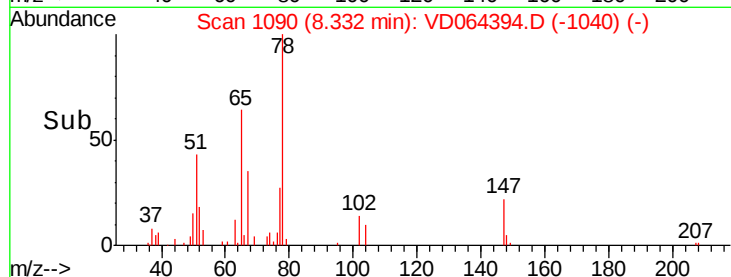
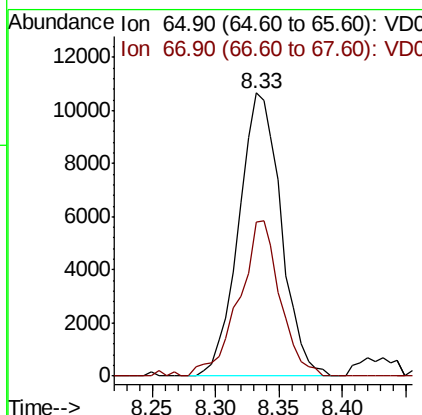
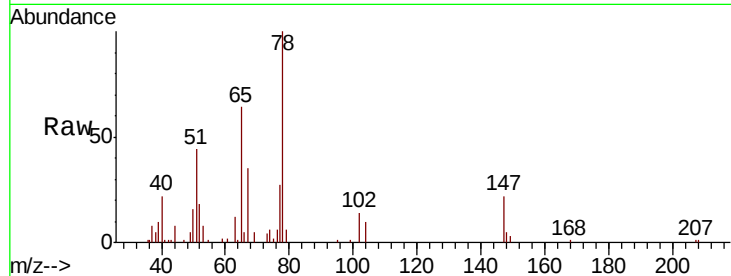




#33
 1,2-Dichloroethane-d4
 Concen: 5.046 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

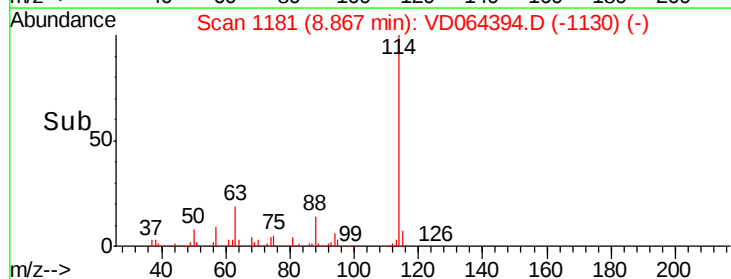
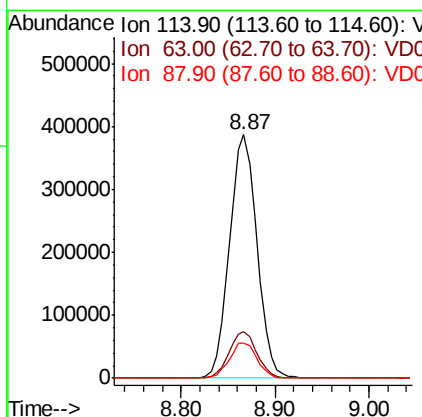
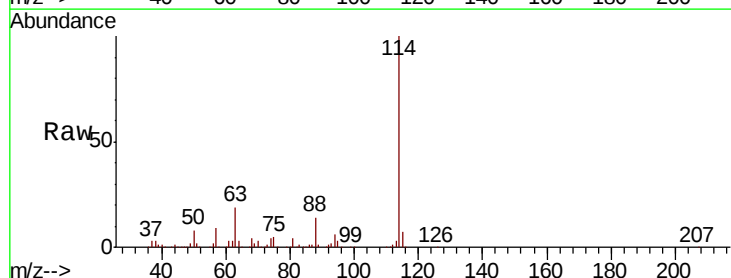
Instrument :
 MSVOA_D
 ClientSampleId :

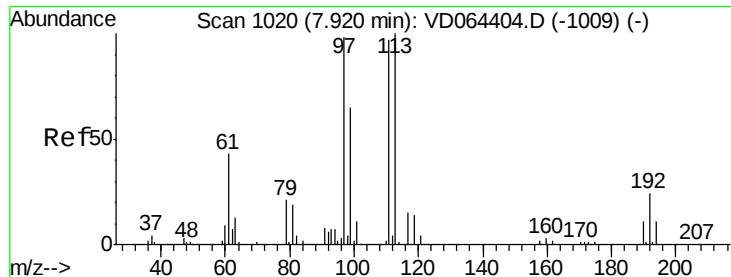
Tot Ion: 65 Resp: 24614
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Tgt Ion:114 Resp: 785948
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 14.5 0.0 29.2

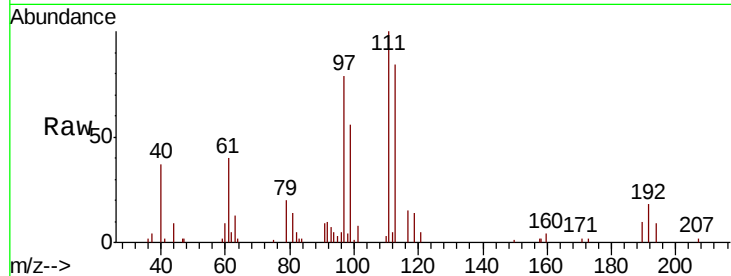




#35
 Dibromofluoromethane
 Concen: 4.796 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	79.4	119.2
192	23.1	18.6	28.0

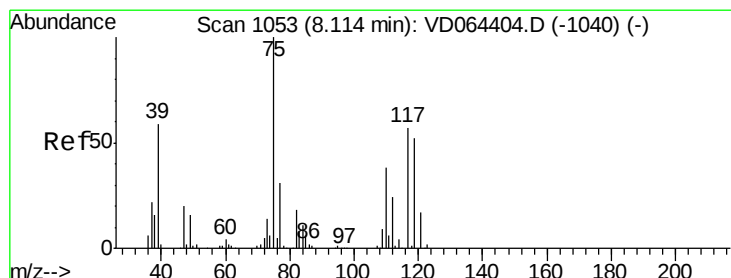
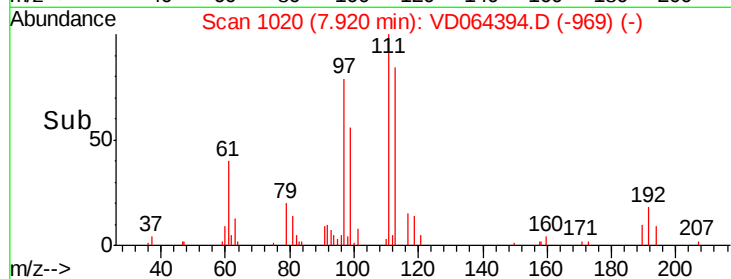
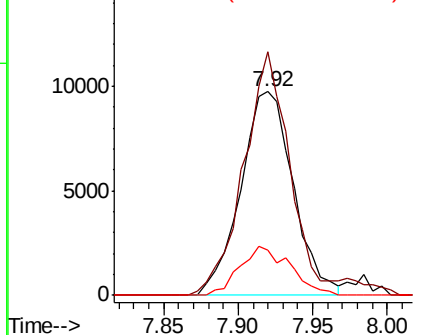


Abundance

Ion 112.80 (112.50 to 113.50): V

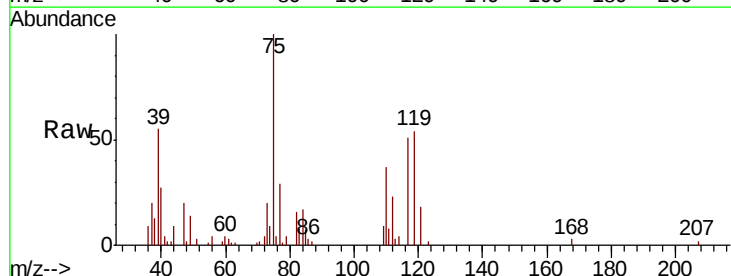
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.066 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	18.6	55.8
77	29.9	25.0	37.4

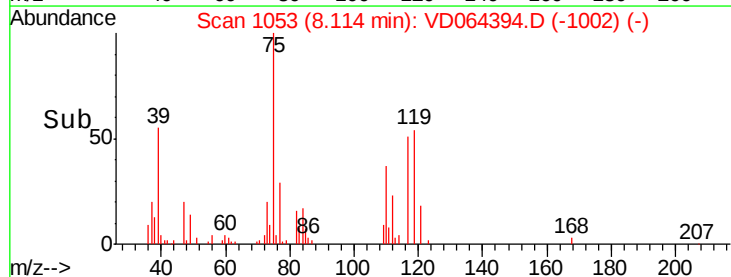
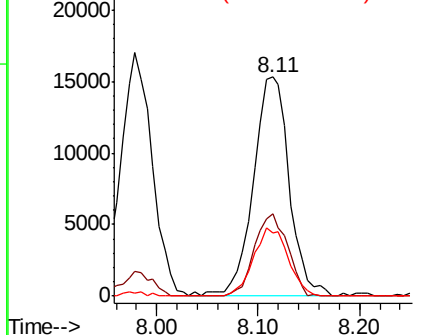


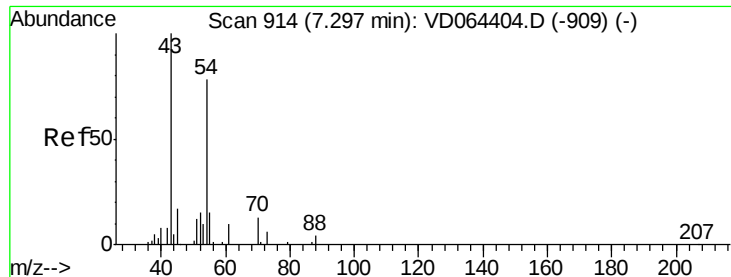
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

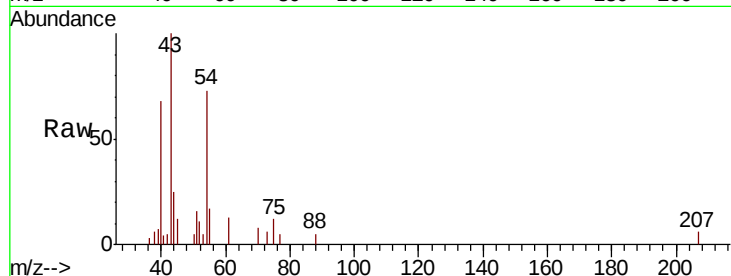




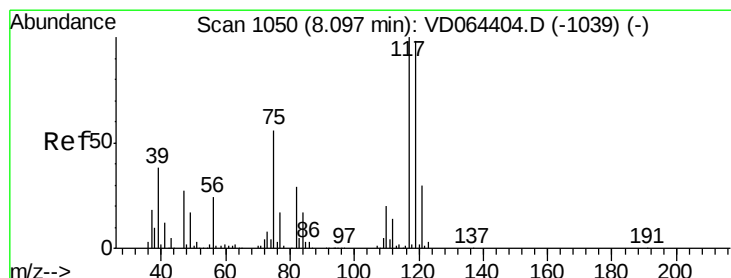
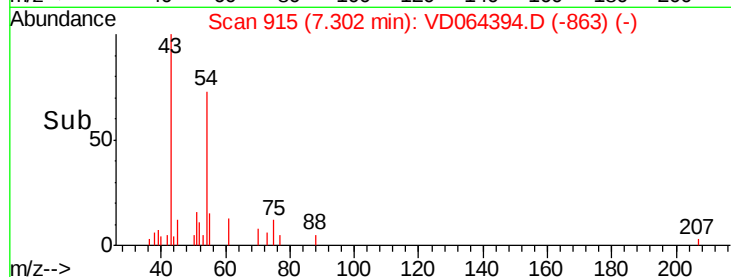
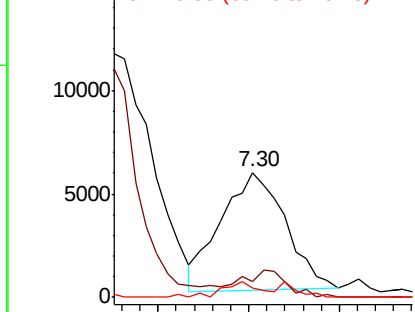
#37
Ethyl Acetate
Concen: 4.440 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 14007
Ion Ratio Lower Upper
43 100
61 16.5 10.9 16.3#
70 7.5 8.3 12.5#

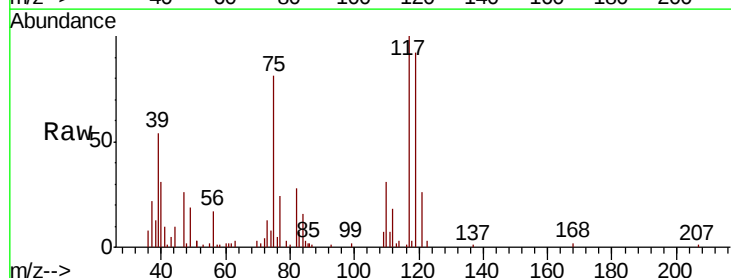


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

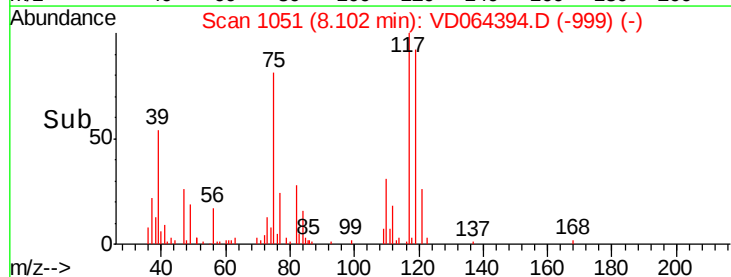
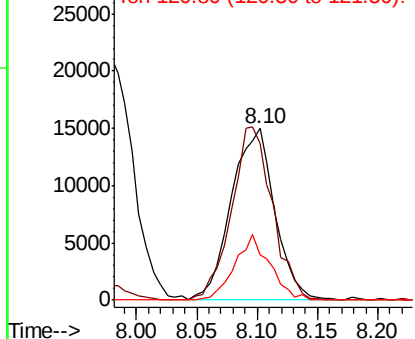


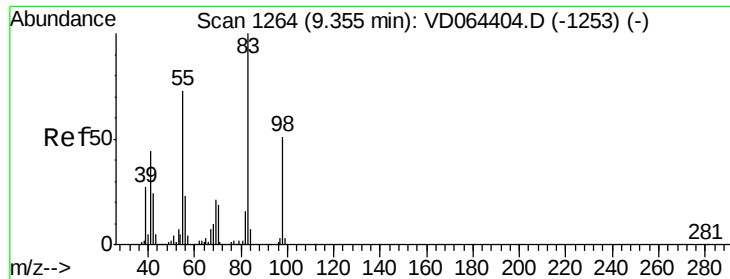
#38
Carbon Tetrachloride
Concen: 4.795 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion: 117 Resp: 37624
Ion Ratio Lower Upper
117 100
119 91.6 78.8 118.2
121 26.4 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

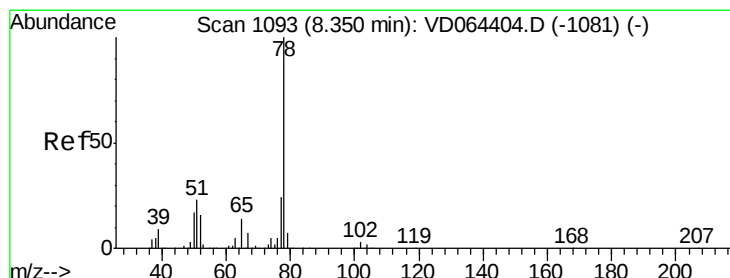
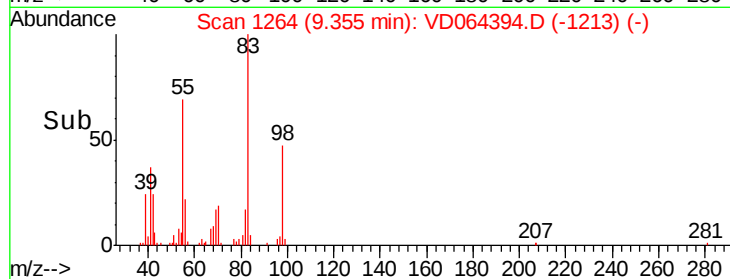
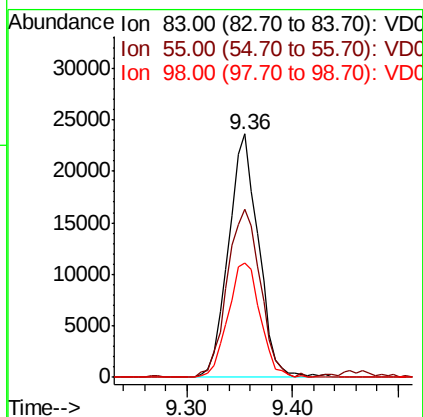
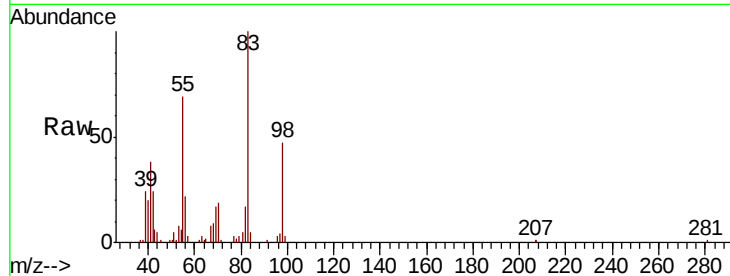




#39
Methvlcvclohexane
Concen: 5.036 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

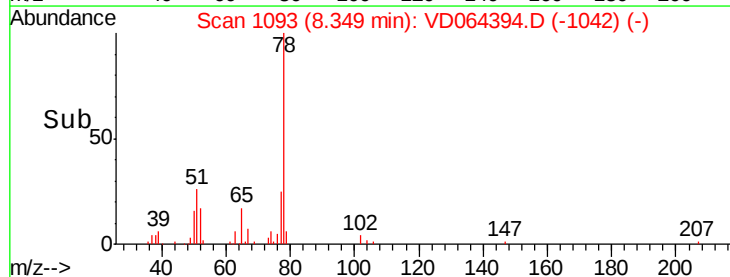
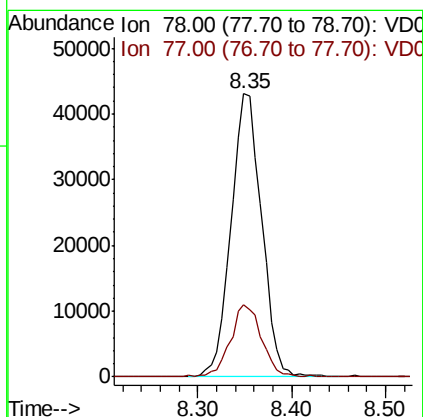
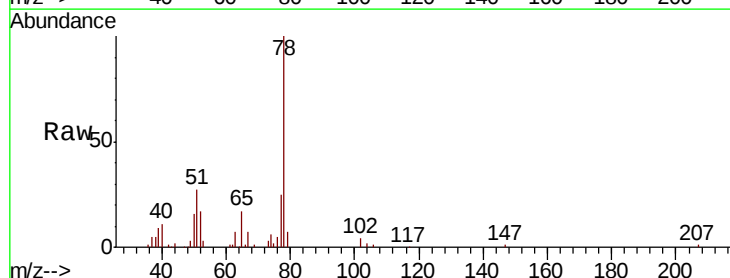
Instrument :
MSVOA_D
ClientSampleId :

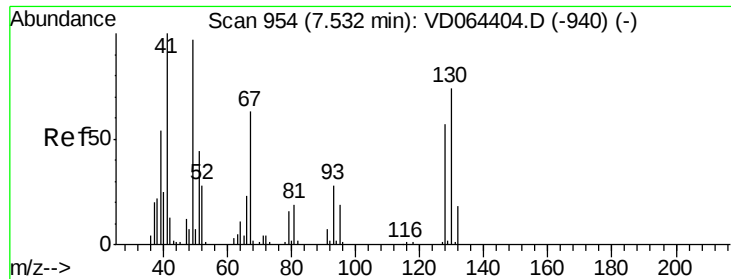
Tot Ion: 83 Resp: 46436
Ion Ratio Lower Upper
83 100
55 69.1 58.6 87.8
98 47.1 40.9 61.3



#40
Benzene
Concen: 4.713 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion: 78 Resp: 97302
Ion Ratio Lower Upper
78 100
77 25.4 19.6 29.4

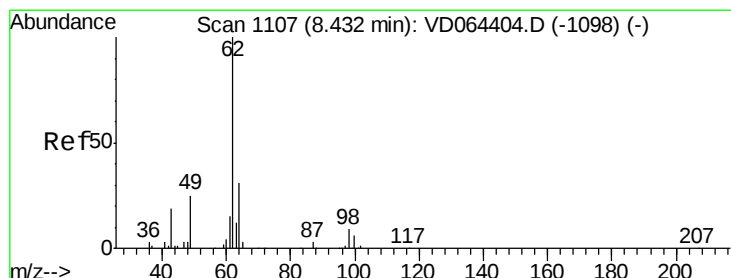
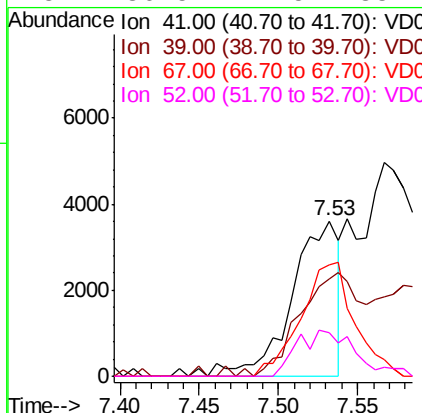
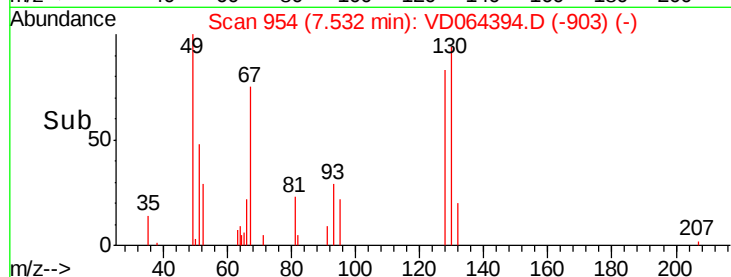
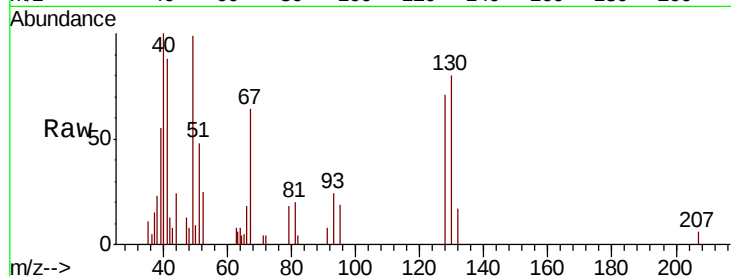




#41
Methacrylonitrile
Concen: 4.147 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

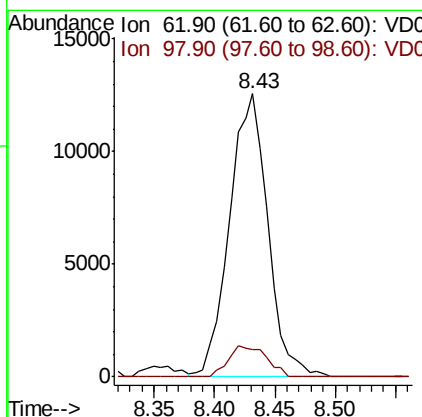
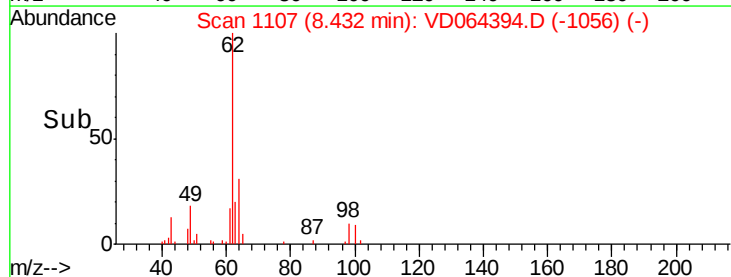
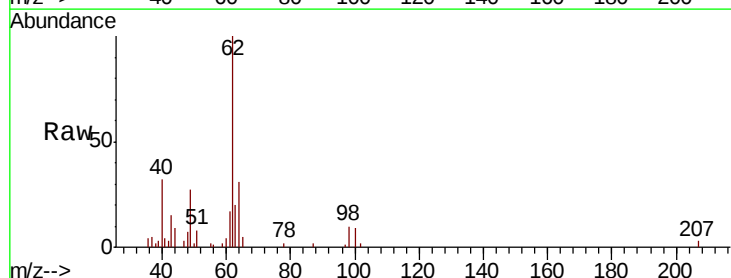
Instrument :
MSVOA_D
ClientSampled :

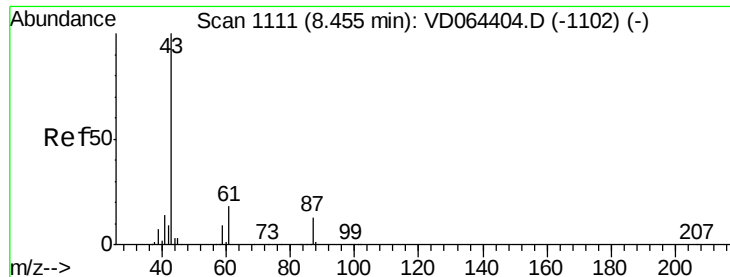
Tot Ion: 41 Resp: 7501
Ion Ratio Lower Upper
41 100
39 84.1 44.6 67.0#
67 82.6 50.9 76.3#
52 36.5 22.5 33.7#



#42
1,2-Dichloroethane
Concen: 4.609 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion: 62 Resp: 27752
Ion Ratio Lower Upper
62 100
98 10.9 0.0 20.6





#43

Isopropyl Acetate

Concen: 4.550 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

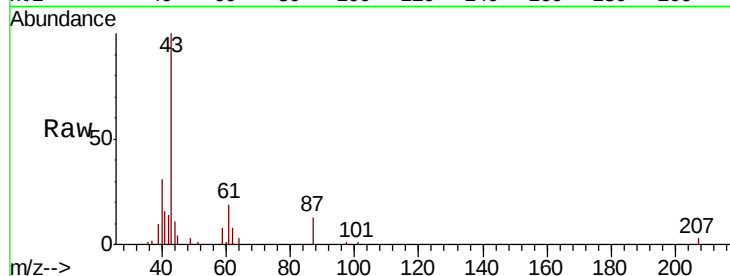
Tot Ion: 43 Resp: 28219

Ion Ratio Lower Upper

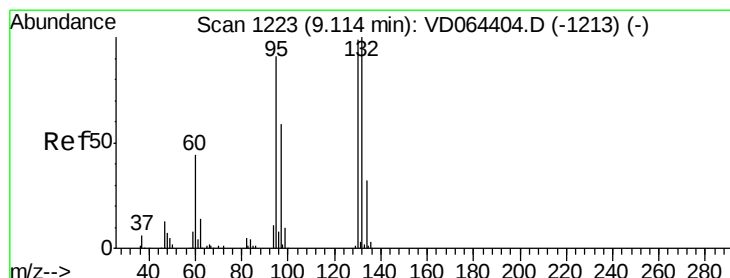
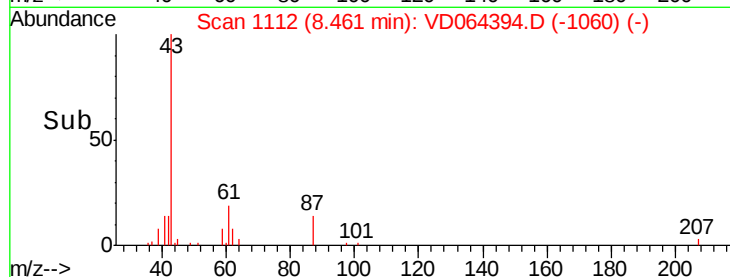
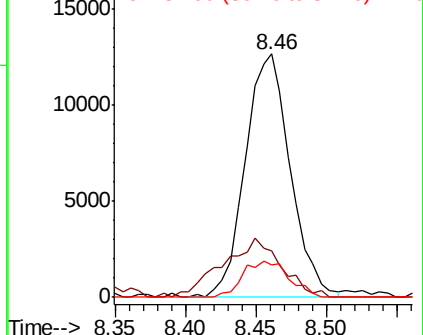
43 100

61 31.9 24.0 36.0

87 15.3 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 4.840 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064394.D

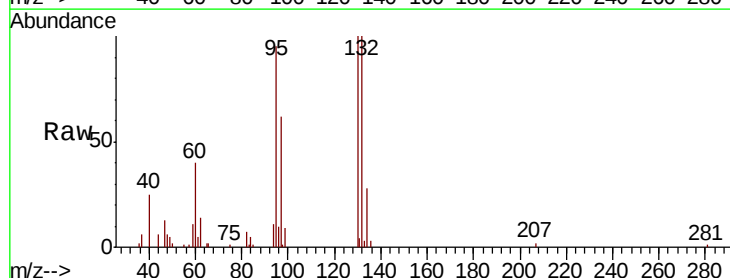
Acq: 27 Nov 2019 14:11

Tgt Ion:130 Resp: 30102

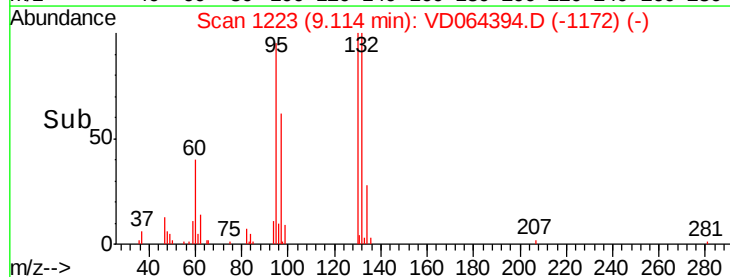
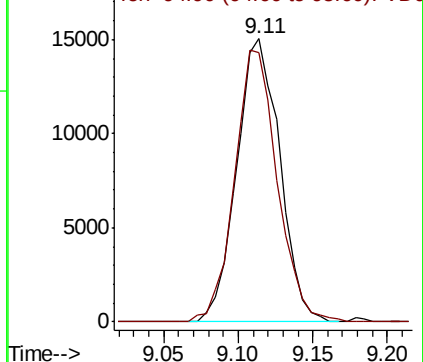
Ion Ratio Lower Upper

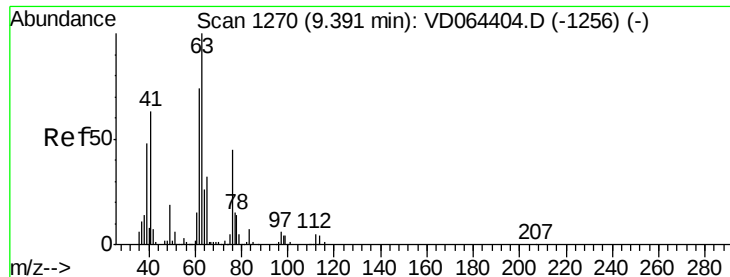
130 100

95 95.0 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.048 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

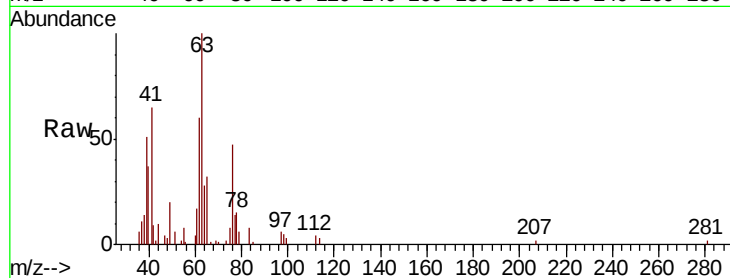
ClientSampleId :

Tot Ion: 63 Resp: 24927

Ion Ratio Lower Upper

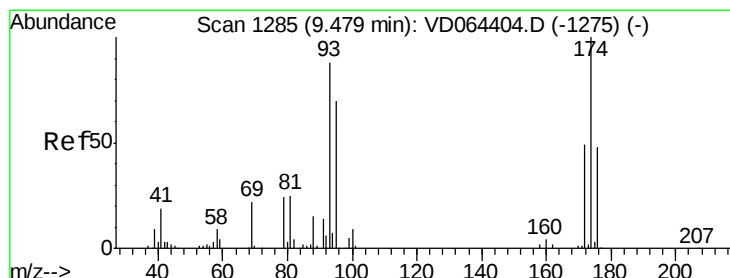
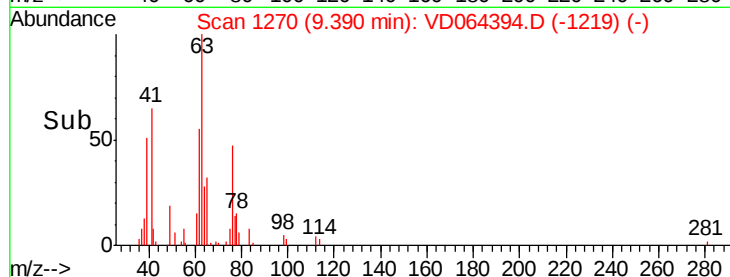
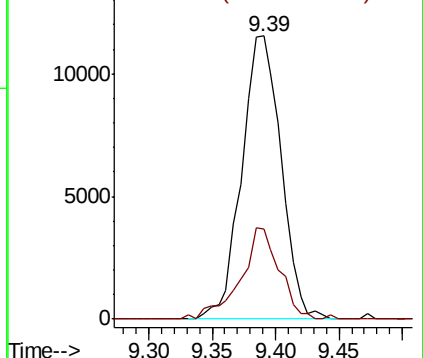
63 100

65 31.6 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.686 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

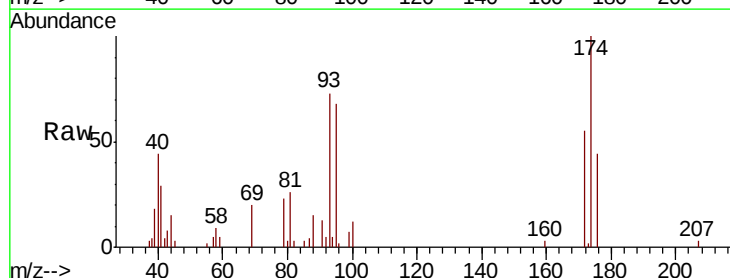
Tgt Ion: 93 Resp: 13060

Ion Ratio Lower Upper

93 100

95 81.1 66.7 100.1

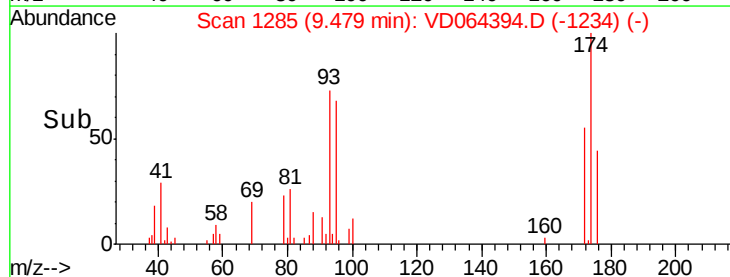
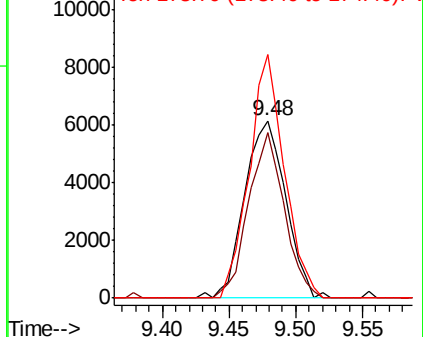
174 117.2 92.3 138.5

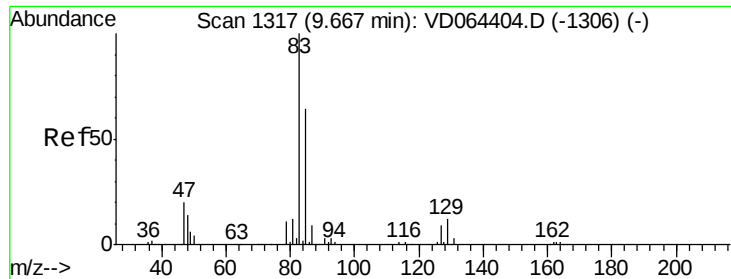


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.902 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

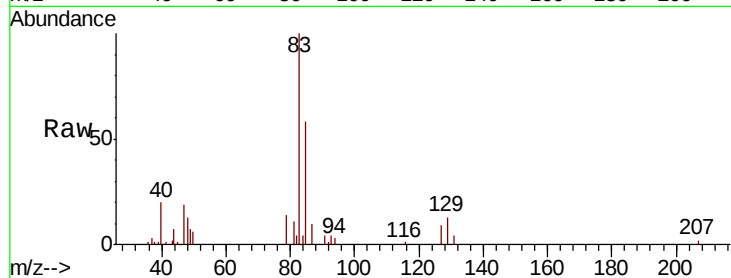
Tot Ion: 83 Resp: 35105

Ion Ratio Lower Upper

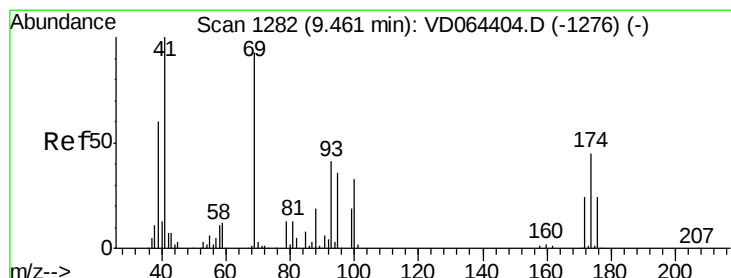
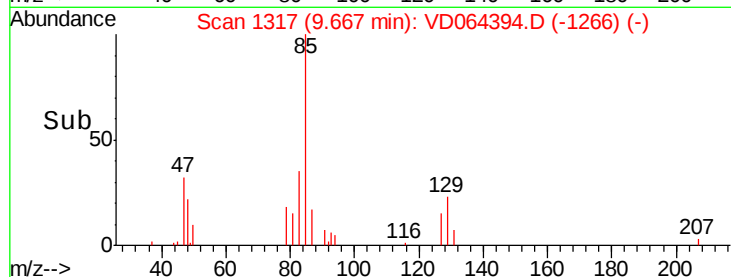
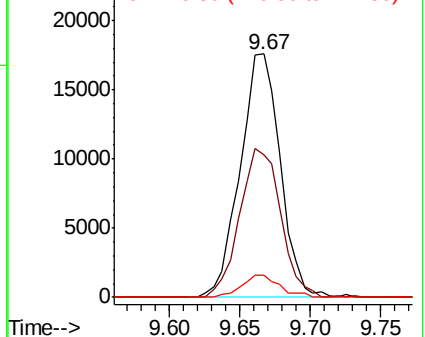
83 100

85 58.4 51.1 76.7

127 9.0 7.4 11.0



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



#48

Methyl methacrylate

Concen: 4.693 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

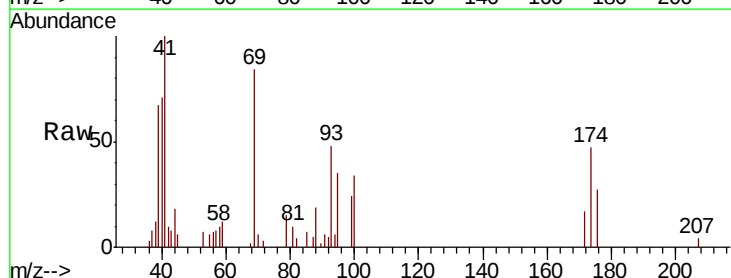
Tgt Ion: 41 Resp: 13319

Ion Ratio Lower Upper

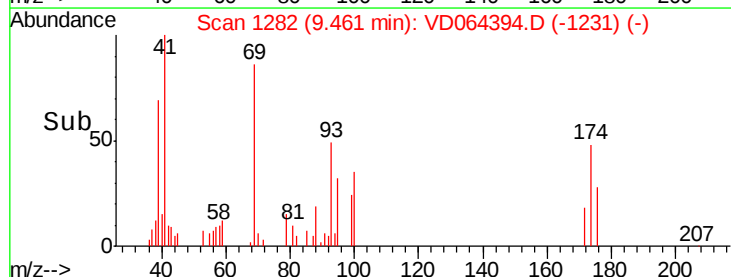
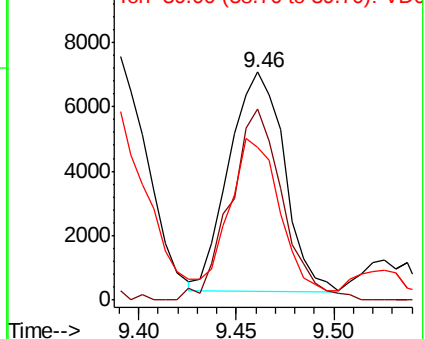
41 100

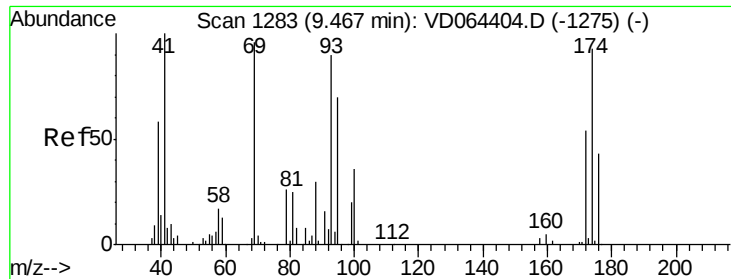
69 82.8 72.0 108.0

39 71.3 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: 102.339 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :
MSVOA_D
ClientSampleId :

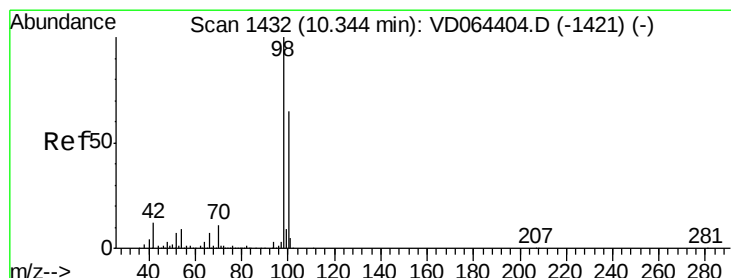
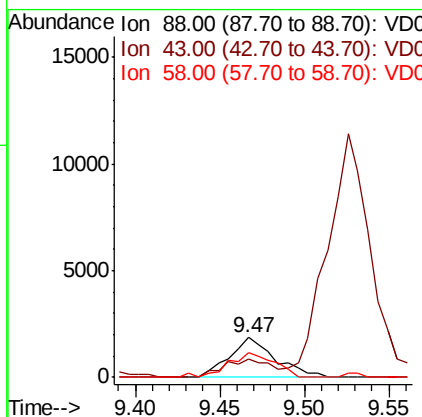
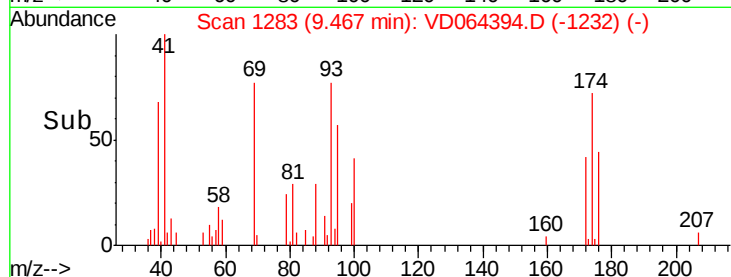
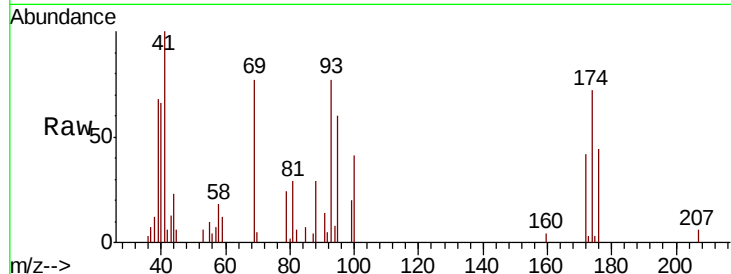
Tot Ion: 88 Resp: 3522

Ion Ratio Lower Upper

88 100

43 45.7 26.7 40.1#

58 61.6 52.3 78.5



#50

Toluene-d8

Concen: 5.018 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064394.D

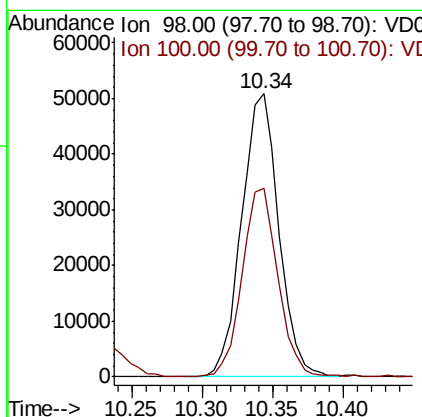
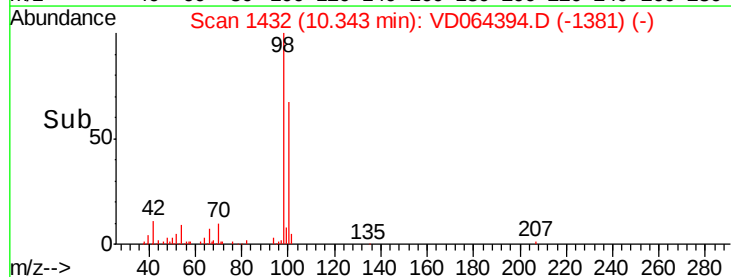
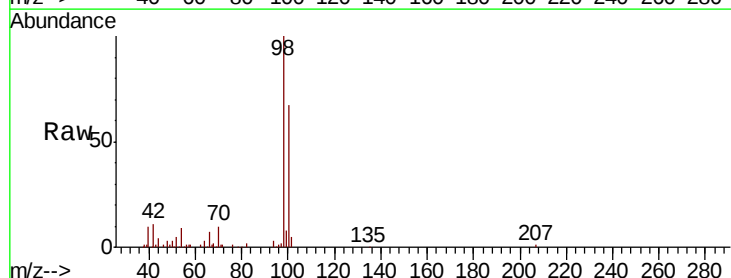
Acq: 27 Nov 2019 14:11

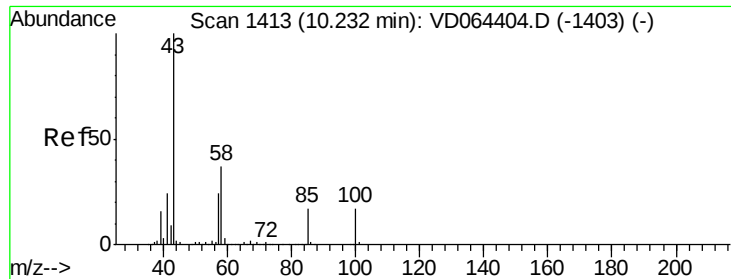
Tgt Ion: 98 Resp: 93596

Ion Ratio Lower Upper

98 100

100 64.4 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 22.230 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

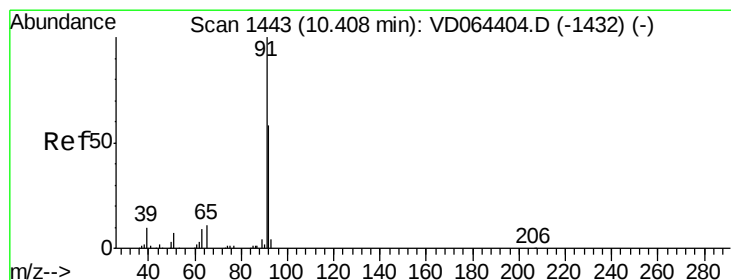
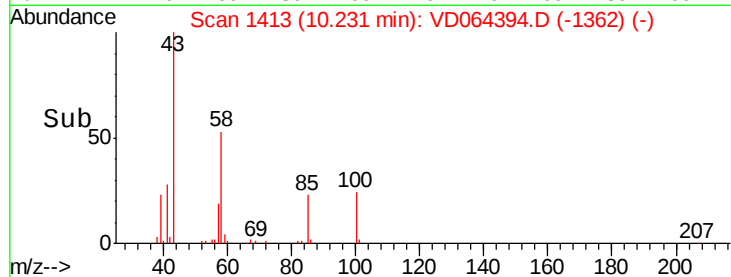
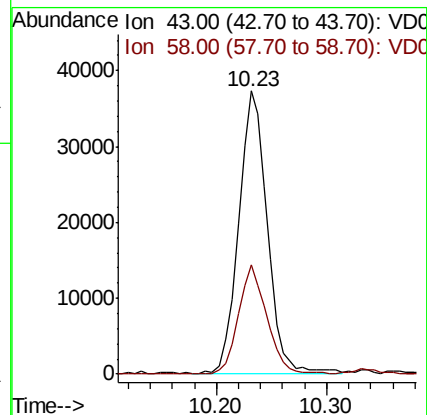
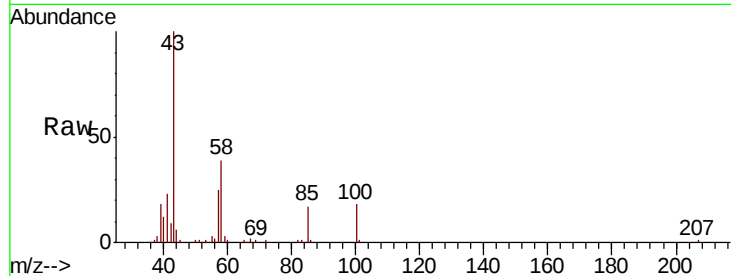
ClientSampleId :

Tot Ion: 43 Resp: 68220

Ion Ratio Lower Upper

43 100

58 38.1 30.6 46.0



#52

Toluene

Concen: 4.870 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064394.D

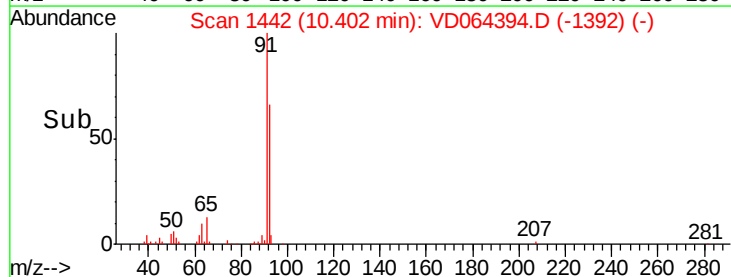
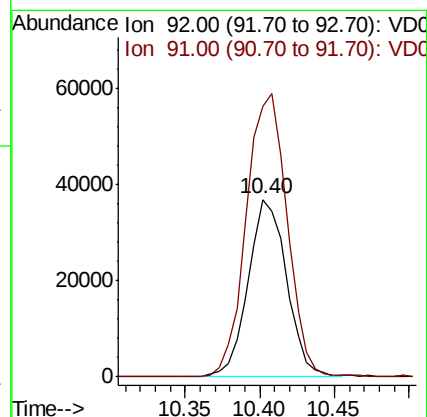
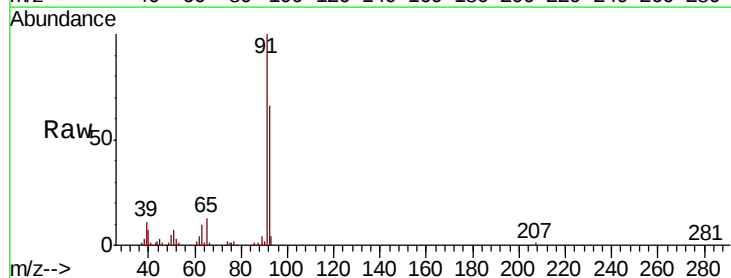
Acq: 27 Nov 2019 14:11

Tgt Ion: 92 Resp: 65537

Ion Ratio Lower Upper

92 100

91 169.3 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 4.606 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

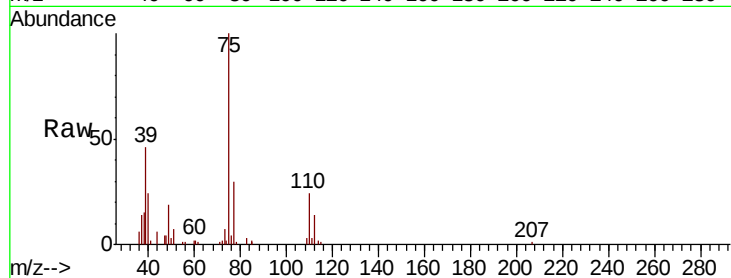
ClientSampleId :

Tot Ion: 75 Resp: 31436

Ion Ratio Lower Upper

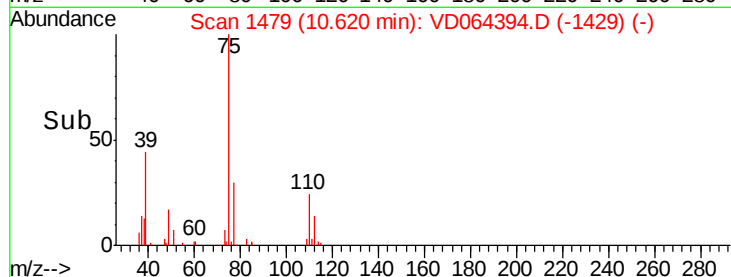
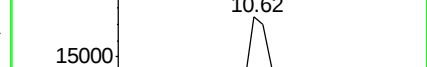
75 100

77 30.1 25.0 37.4

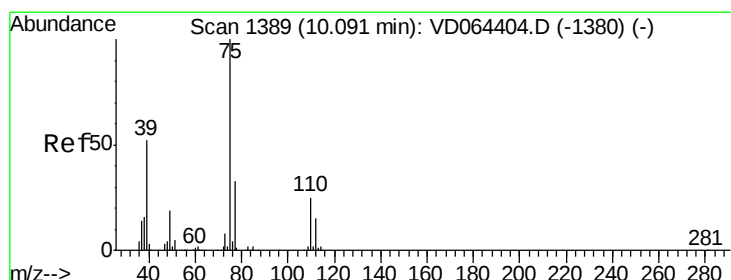


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.572 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

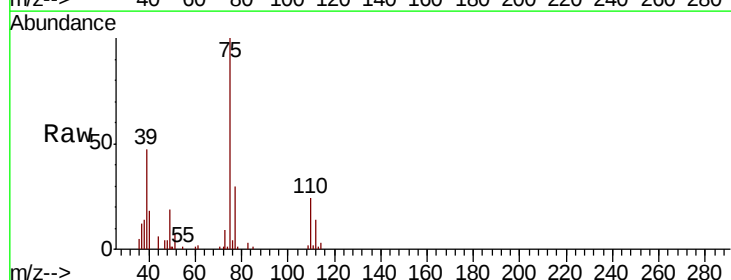
Tgt Ion: 75 Resp: 37065

Ion Ratio Lower Upper

75 100

77 30.1 26.1 39.1

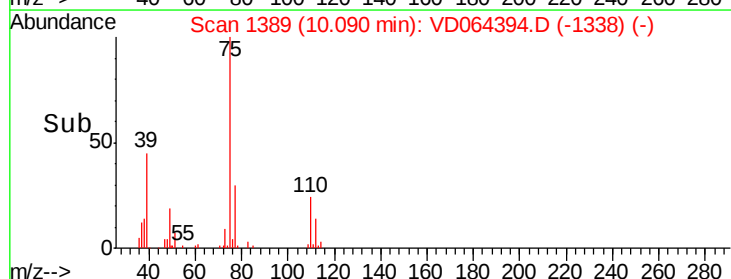
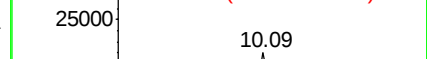
39 46.5 41.5 62.3



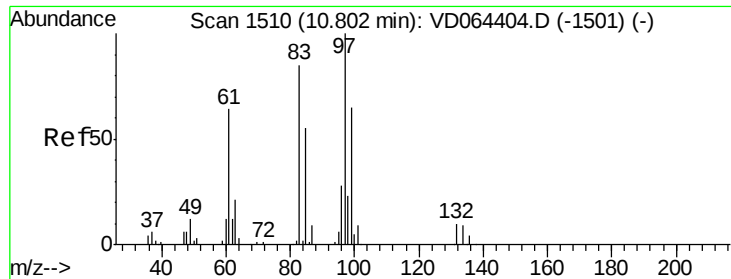
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC



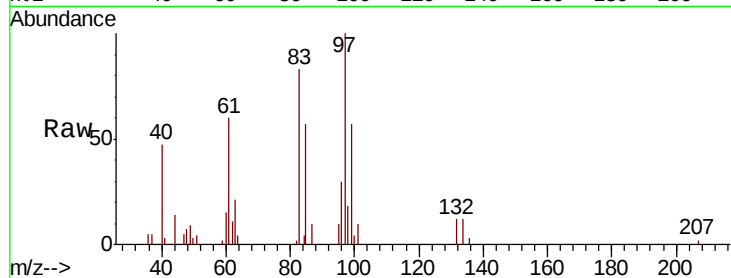
Time-->



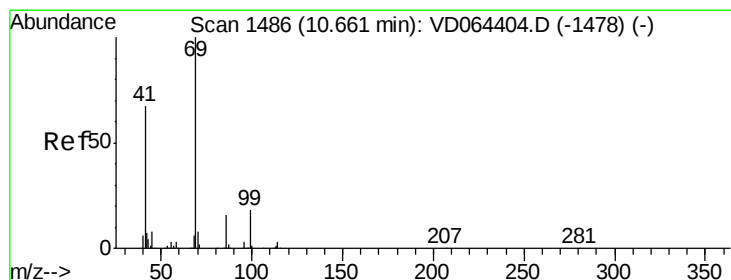
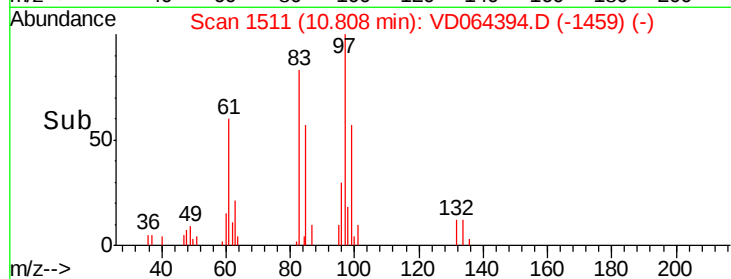
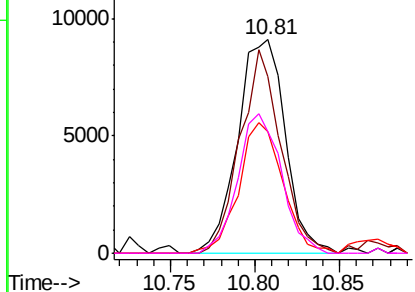
#55
 1,1,2-Trichloroethane
 Concen: 4.673 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Resp	Lower	Upper
97	17833		
Ion Ratio			
97	100		
83	82.8	67.8	101.8
85	57.1	43.7	65.5
99	56.7	51.7	77.5

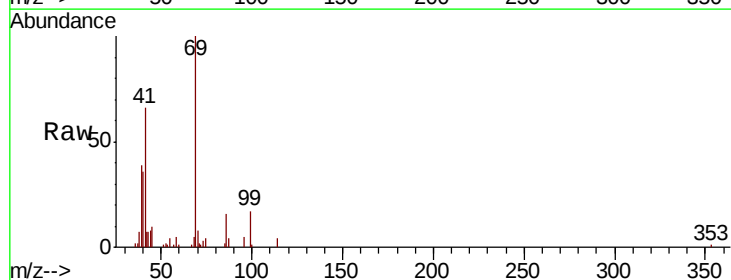


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

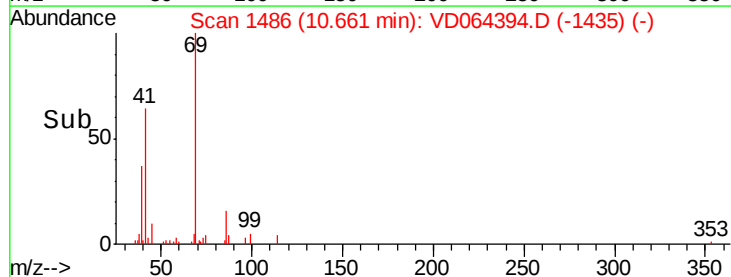
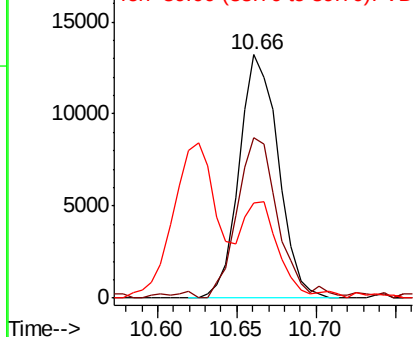


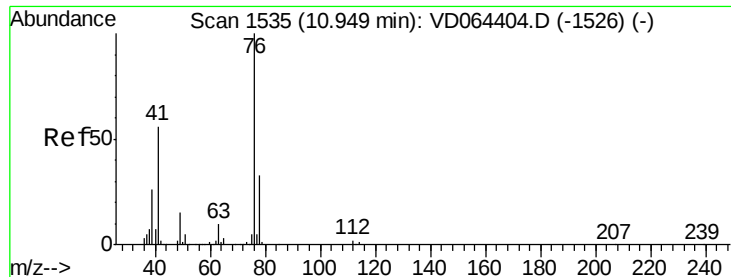
#56
 Ethyl methacrylate
 Concen: 4.659 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Tgt Ion	Resp	Lower	Upper
69	22678		
Ion Ratio			
69	100		
41	69.0	55.0	82.4
39	35.9	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: 4.693 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

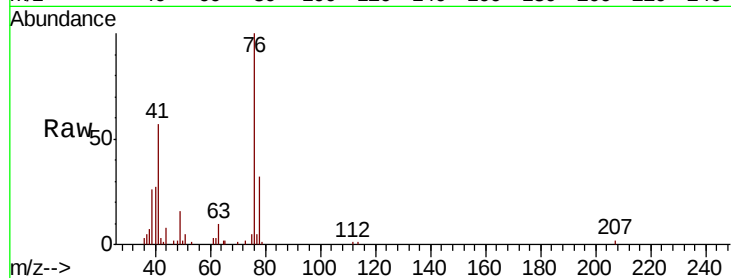
ClientSampleId :

Tot Ion: 76 Resp: 30488

Ion Ratio Lower Upper

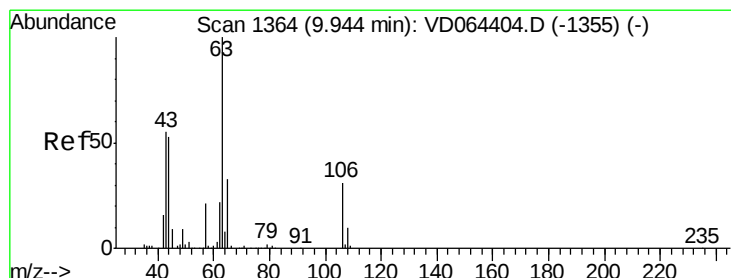
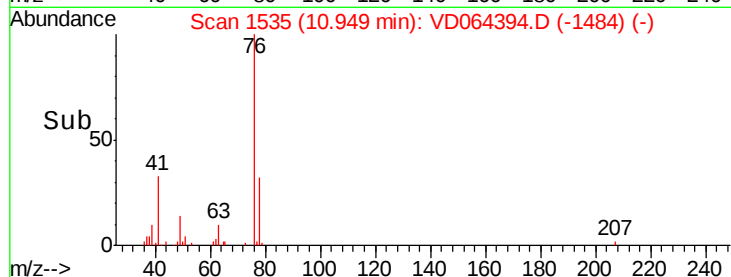
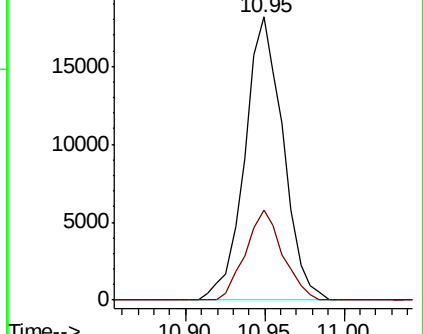
76 100

78 30.7 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: 27.487 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064394.D

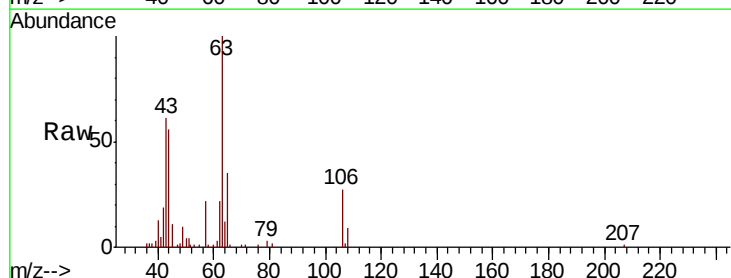
Acq: 27 Nov 2019 14:11

Tgt Ion: 63 Resp: 53333

Ion Ratio Lower Upper

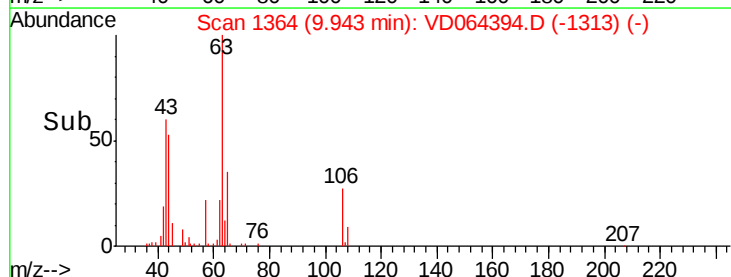
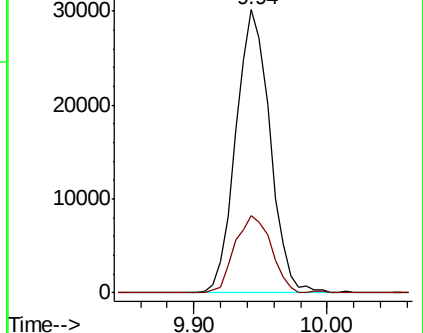
63 100

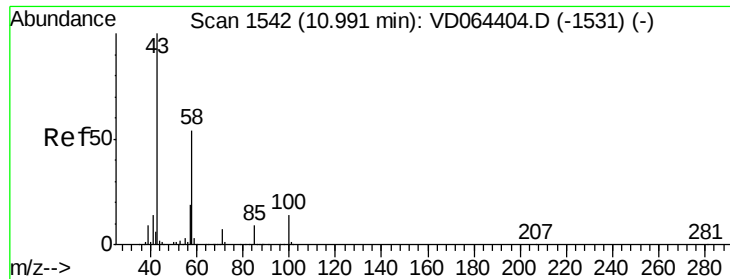
106 29.2 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

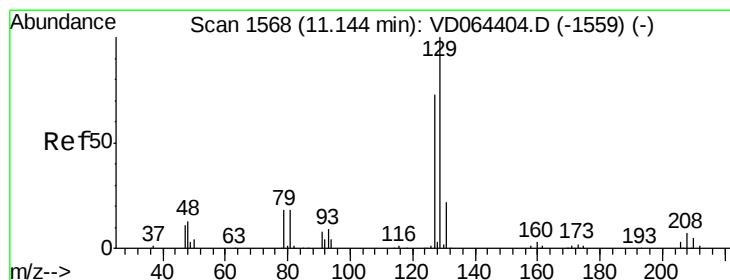
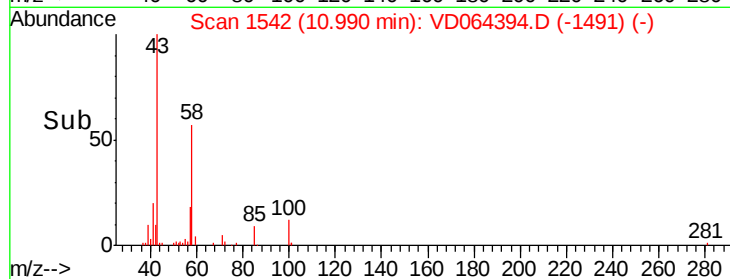
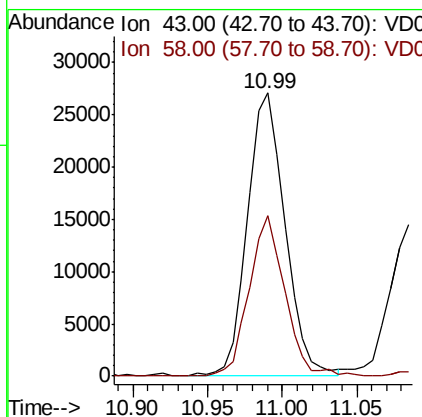
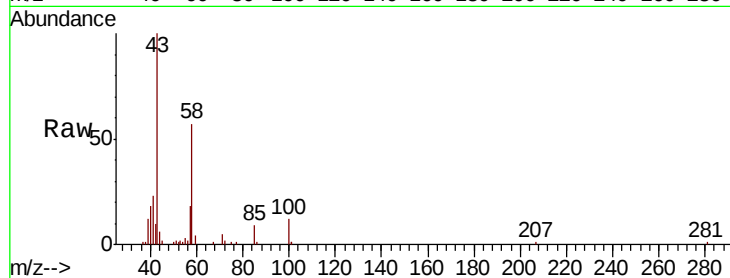




#59
2-Hexanone
Concen: 22.258 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

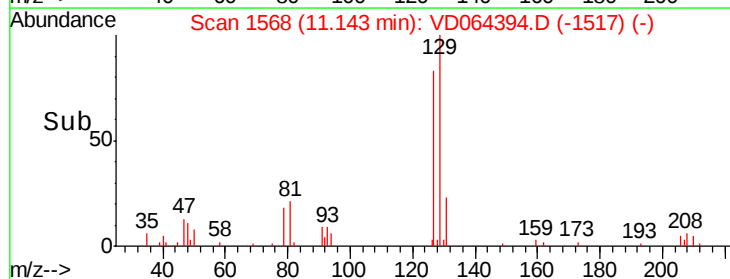
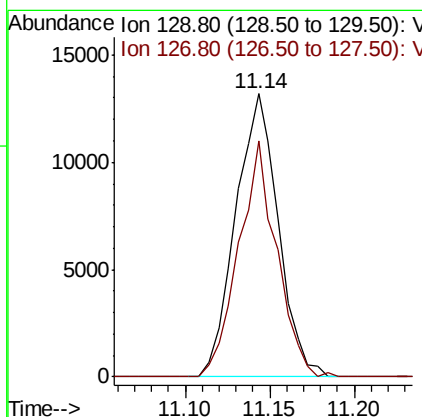
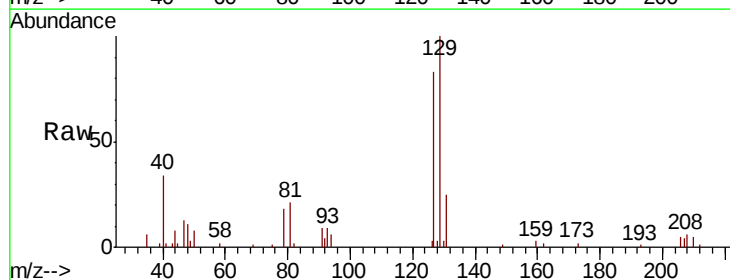
Instrument :
MSVOA_D
ClientSampleId :

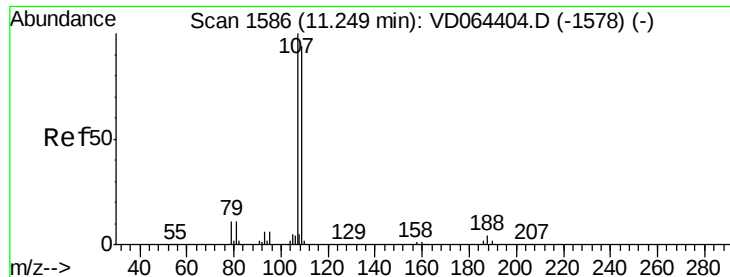
Tot Ion: 43 Resp: 47396
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.8



#60
Dibromochloromethane
Concen: 4.463 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion: 129 Resp: 23090
Ion Ratio Lower Upper
129 100
127 74.5 38.1 114.3

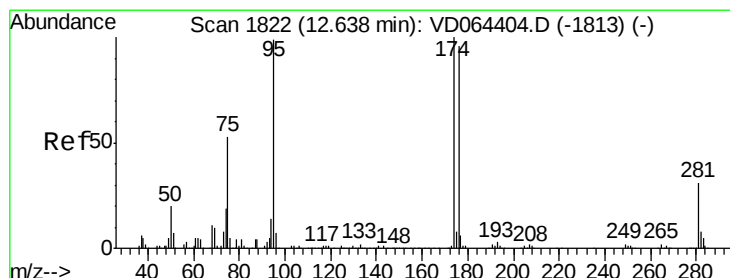
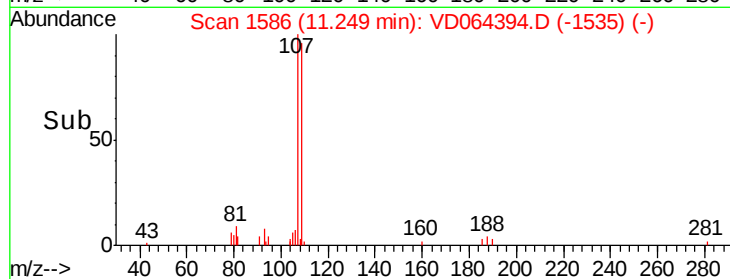
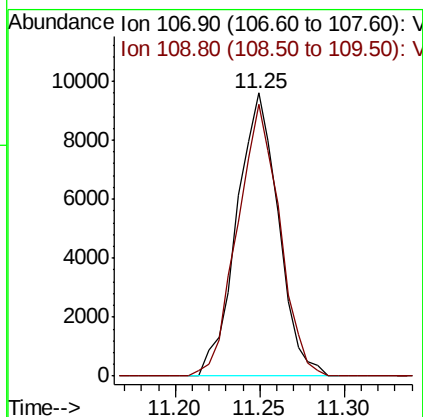
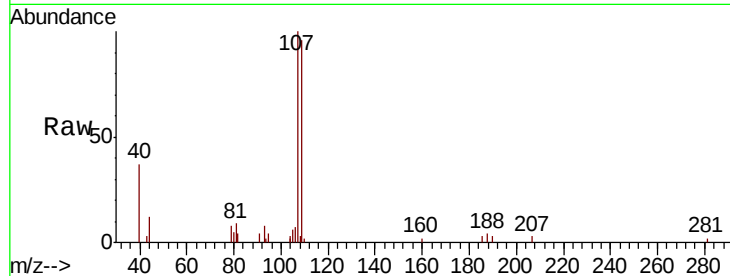




#61
 1,2-Dibromoethane
 Concen: 4.324 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

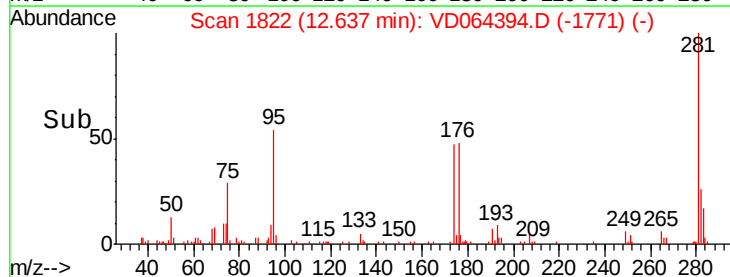
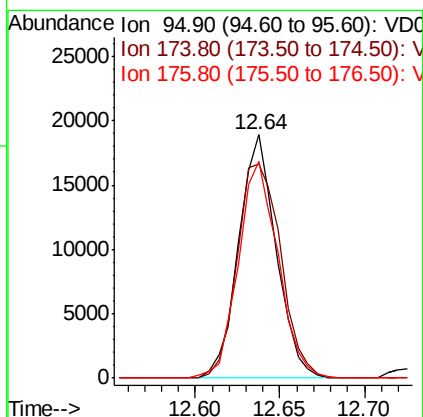
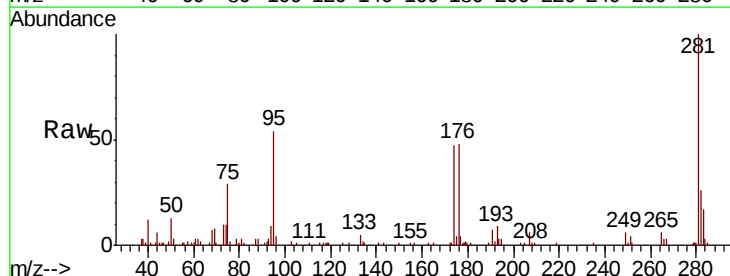
Instrument :
 MSVOA_D
 ClientSampled :

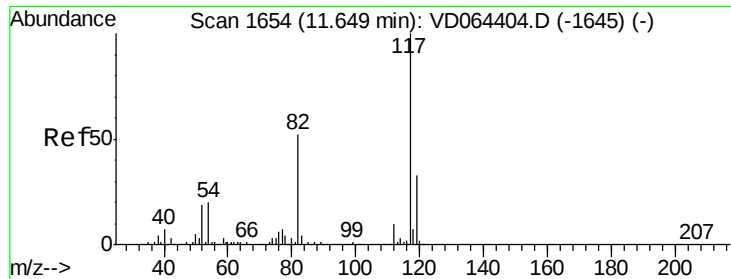
Tot Ion:107 Resp: 16474
 Ion Ratio Lower Upper
 107 100
 109 97.1 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 4.867 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Tgt Ion: 95 Resp: 29178
 Ion Ratio Lower Upper
 95 100
 174 102.5 0.0 197.2
 176 94.3 0.0 189.6

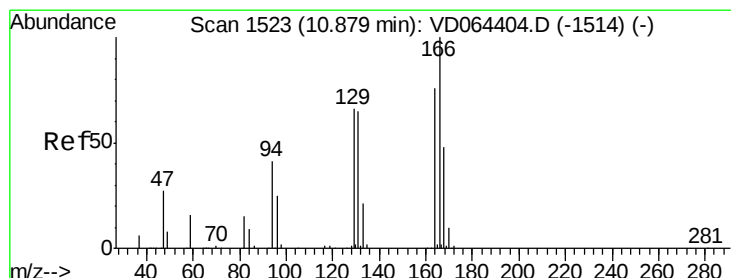
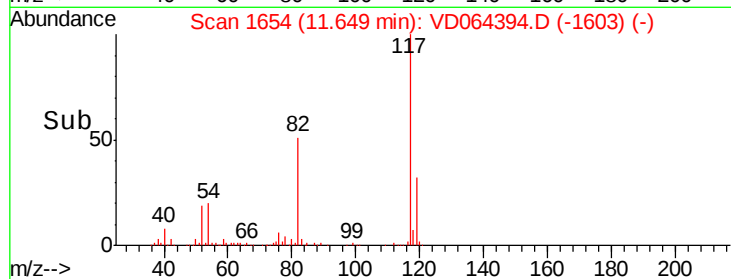
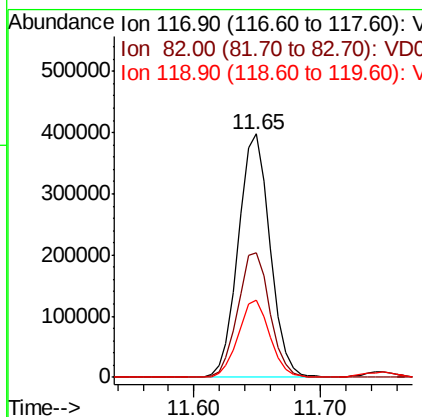
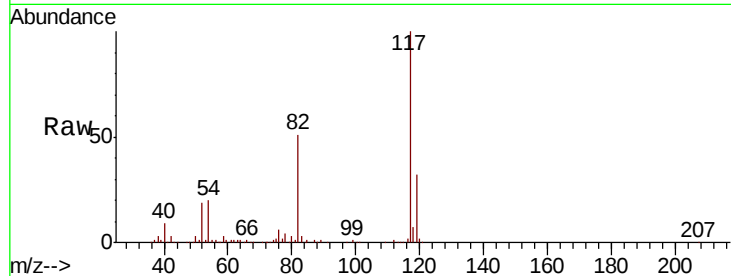




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

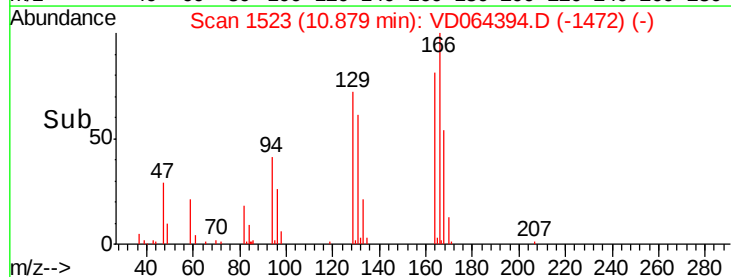
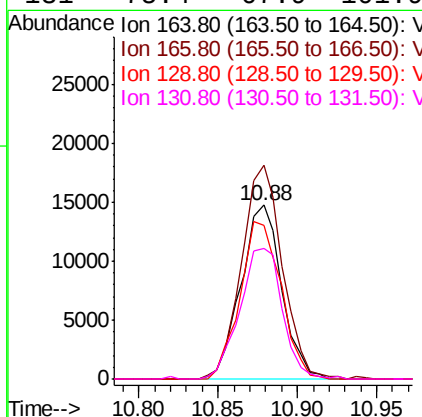
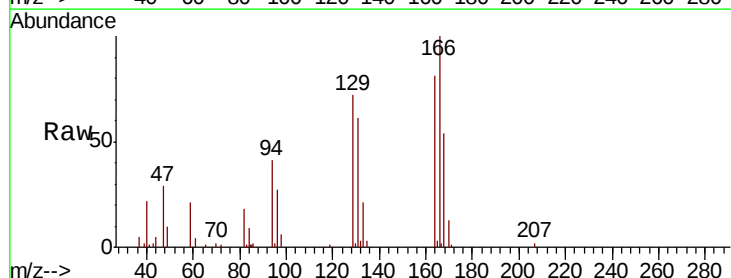
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.4	62.2
119	31.8	26.2	39.2



#64
Tetrachloroethene
Concen: 4.981 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	104.8	157.2
129	88.9	68.7	103.1
131	75.4	67.9	101.9

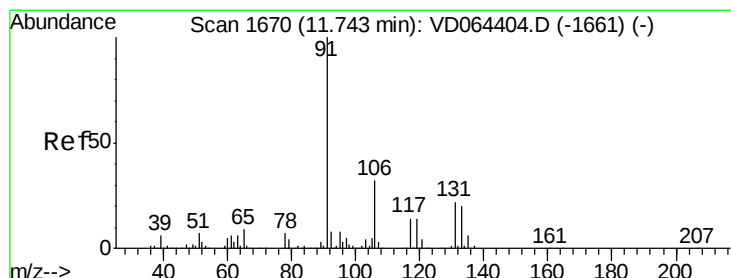
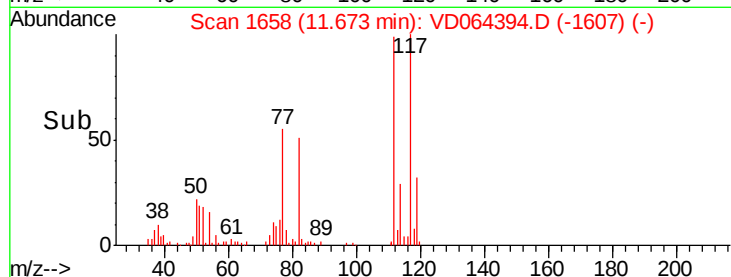
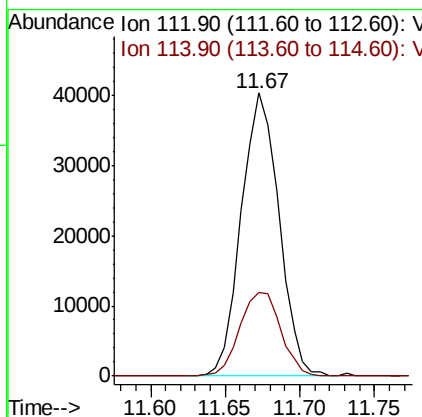
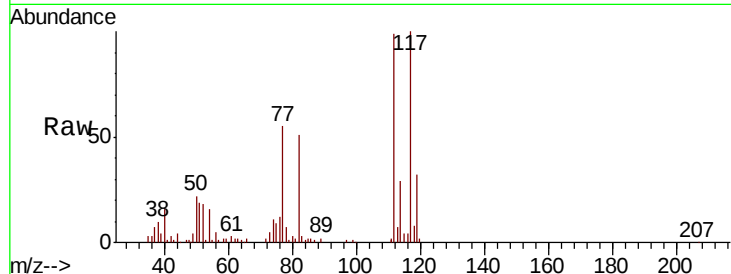




#65
Chlorobenzene
Concen: 4.892 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

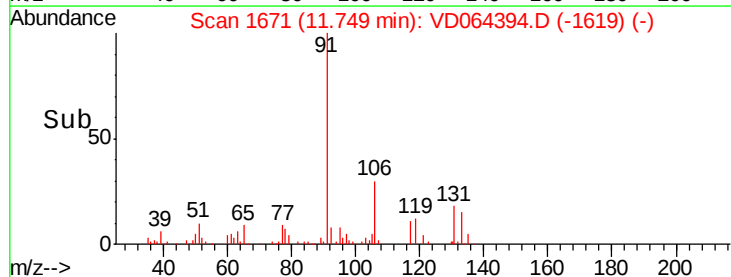
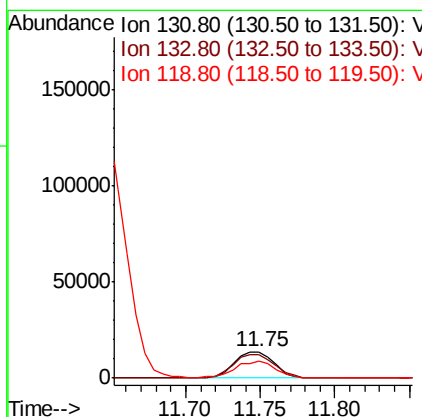
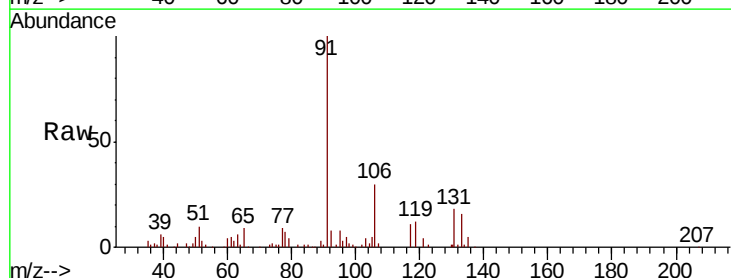
Instrument :
MSVOA_D
ClientSampleId :

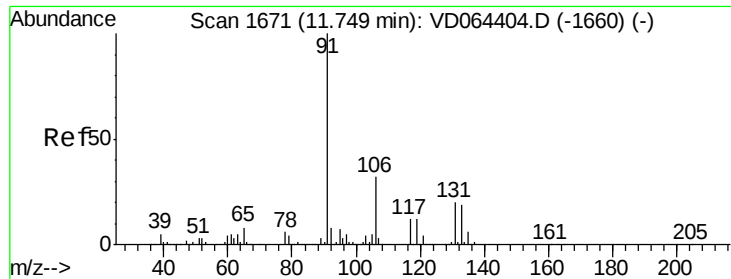
Tot Ion:112 Resp: 70440
Ion Ratio Lower Upper
112 100
114 29.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 4.783 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion:131 Resp: 25495
Ion Ratio Lower Upper
131 100
133 94.5 48.3 144.9
119 66.5 31.9 95.9

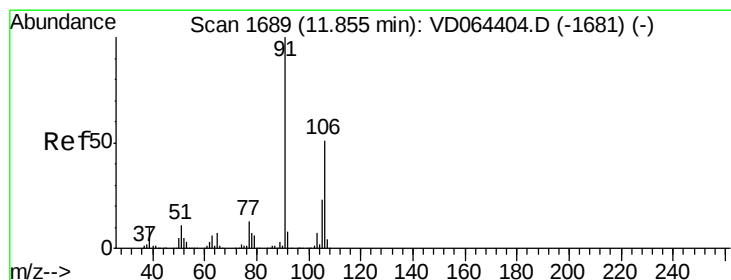
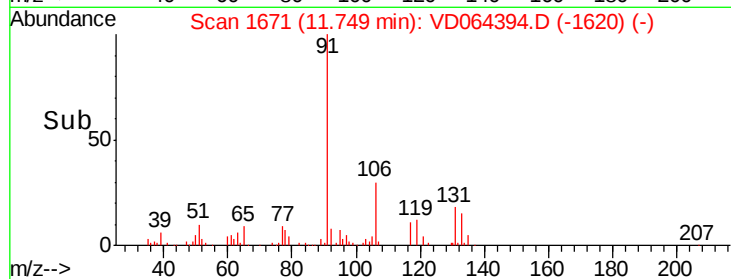
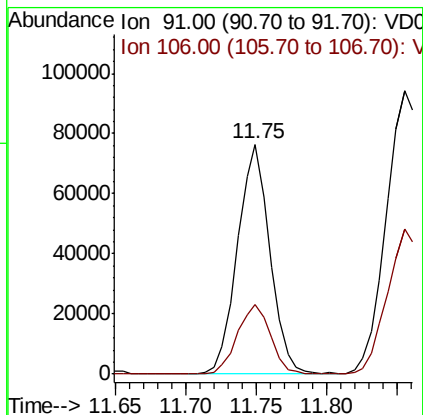
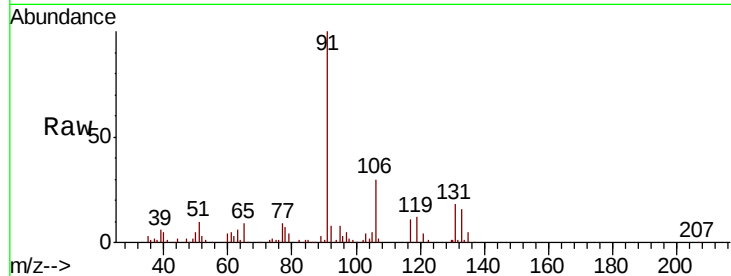




#67
Ethyl Benzene
Concen: 4.794 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

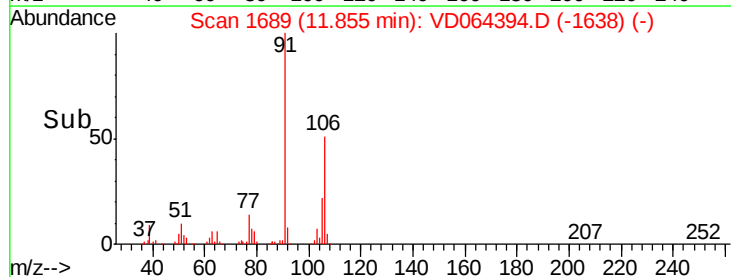
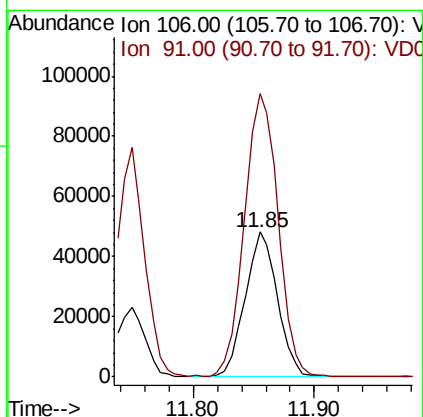
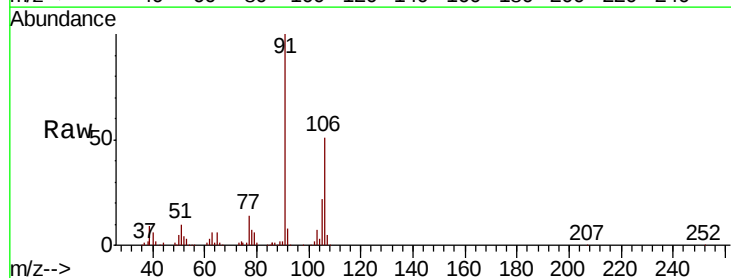
Instrument :
MSVOA_D
ClientSampled :

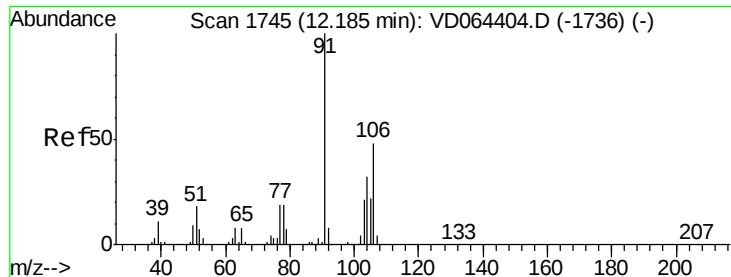
Tot Ion: 91 Resp: 122806
Ion Ratio Lower Upper
91 100
106 30.1 25.8 38.8



#68
m/p-Xylenes
Concen: 9.221 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion: 106 Resp: 90073
Ion Ratio Lower Upper
106 100
91 204.4 157.4 236.2

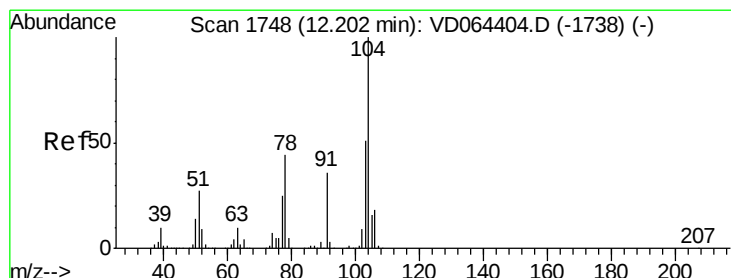
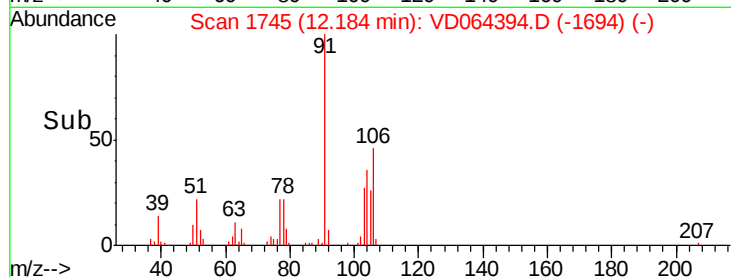
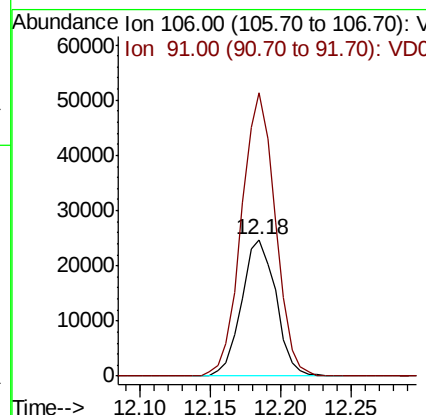
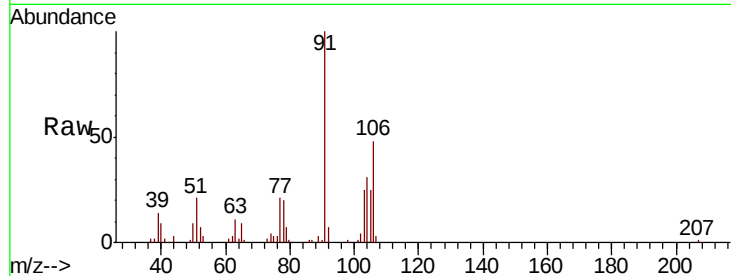




#69
o-Xylene
Concen: 4.672 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

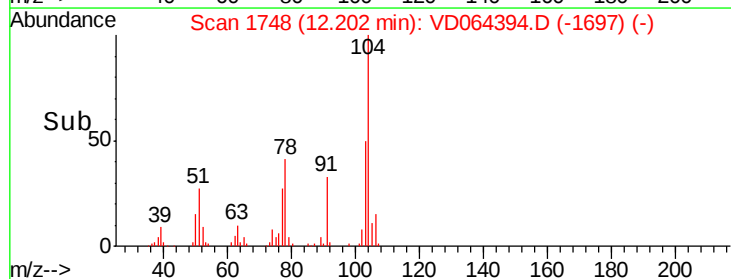
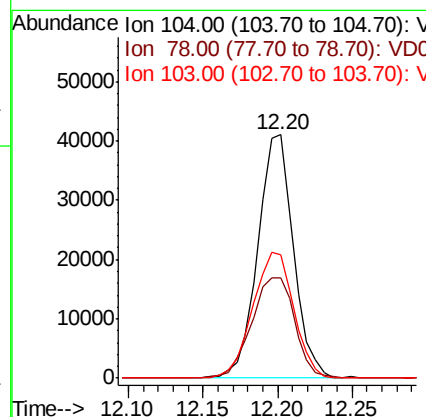
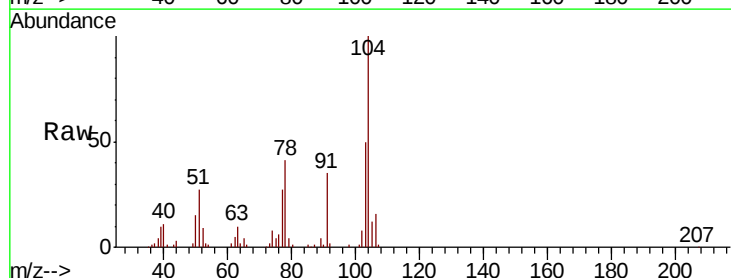
Instrument :
MSVOA_D
ClientSampled :

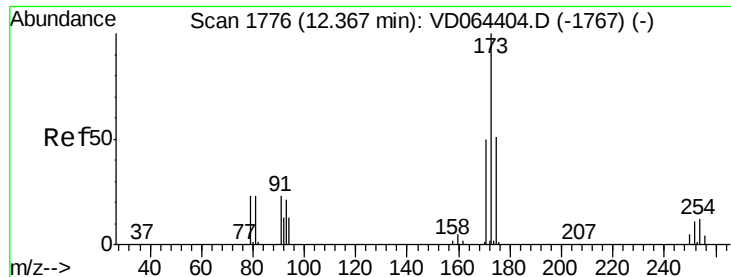
Tot Ion:106 Resp: 42145
Ion Ratio Lower Upper
106 100
91 204.3 103.8 311.4



#70
Styrene
Concen: 4.313 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion:104 Resp: 67616
Ion Ratio Lower Upper
104 100
78 50.1 38.8 58.2
103 59.8 44.2 66.4

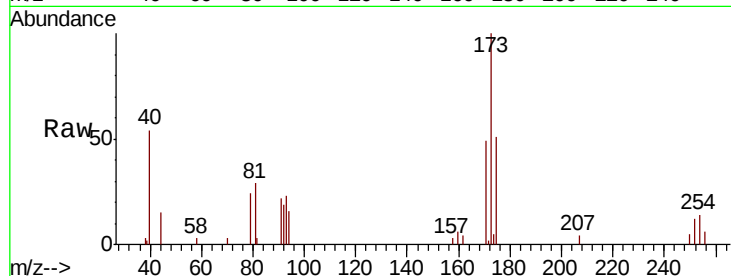




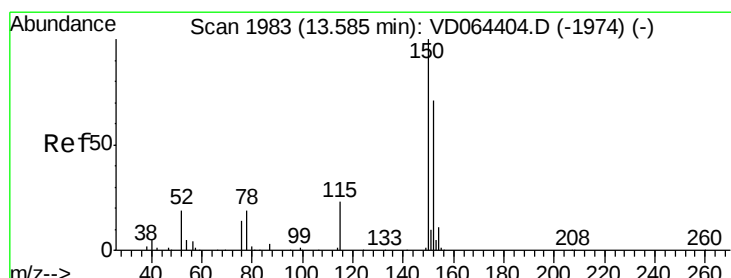
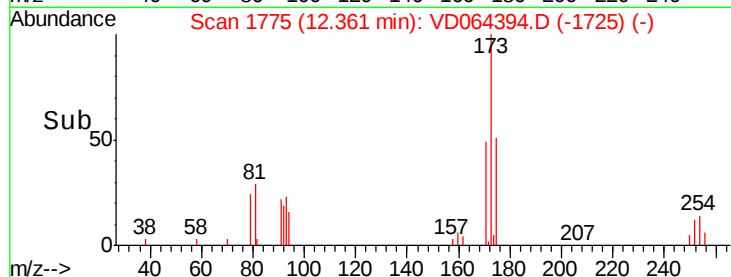
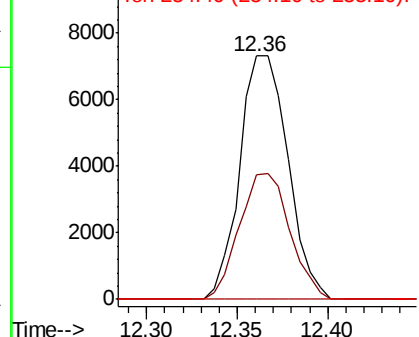
#71
Bromoform
Concen: 4.242 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 13528
Ion Ratio Lower Upper
173 100
175 54.1 25.3 75.8
254 0.0 0.0 0.0

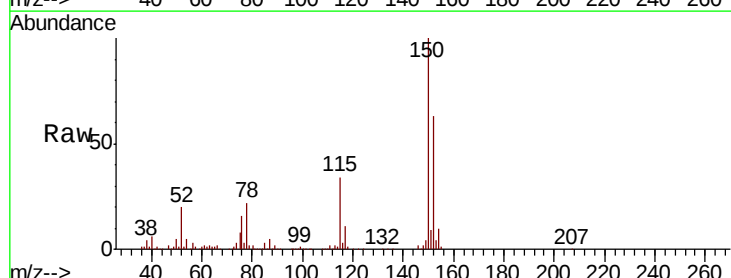


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

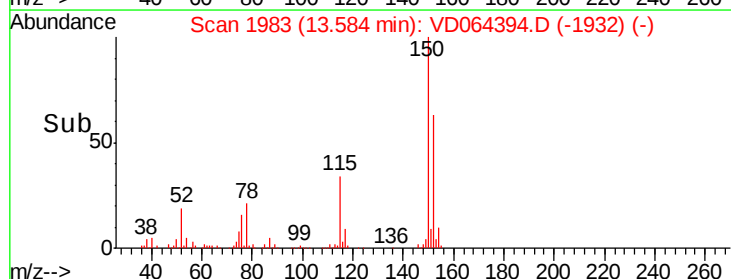
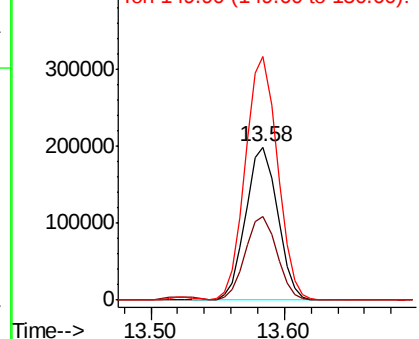


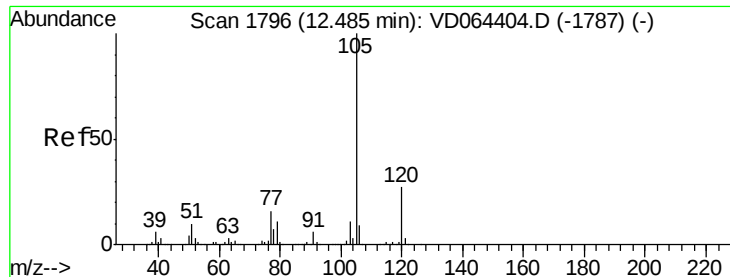
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion:152 Resp: 328175
Ion Ratio Lower Upper
152 100
115 54.6 26.7 80.1
150 160.7 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: 4.690 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

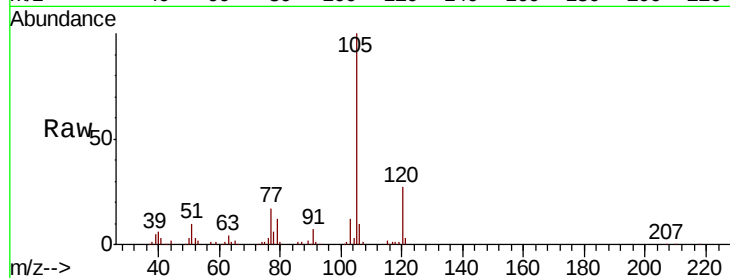
ClientSampleId :

Tot Ion:105 Resp: 110686

Ion Ratio Lower Upper

105 100

120 29.0 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

80000

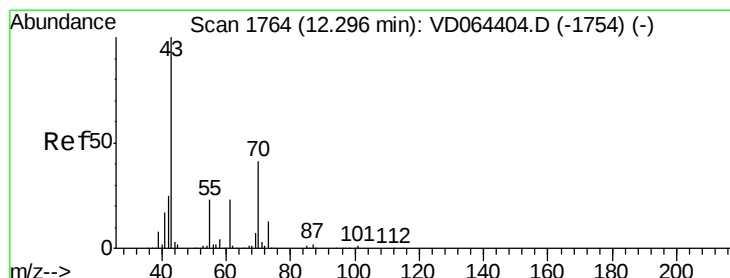
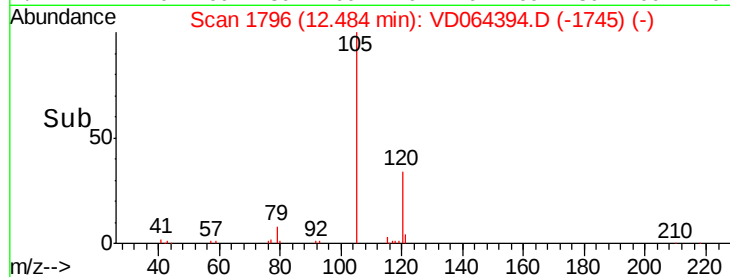
60000

40000

20000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 4.367 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Tgt Ion: 43 Resp: 23394

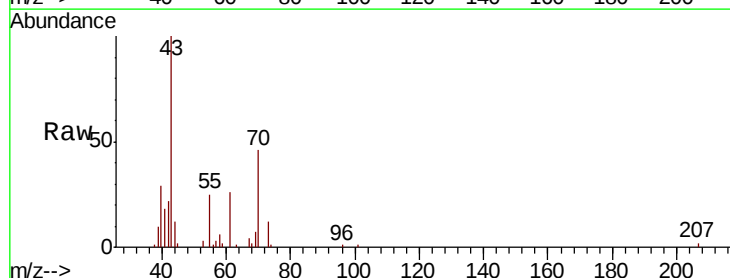
Ion Ratio Lower Upper

43 100

70 44.0 33.4 50.2

55 26.2 18.9 28.3

61 24.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

20000

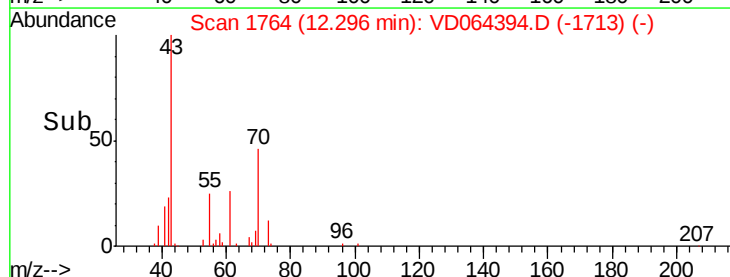
15000

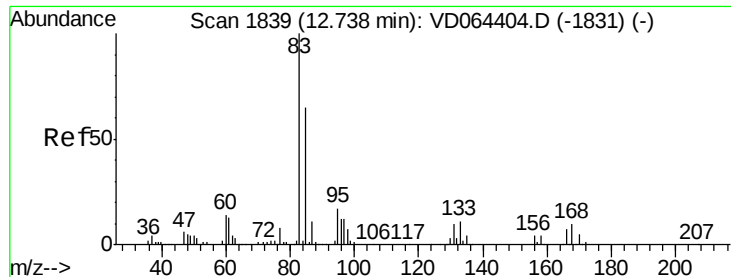
10000

5000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 4.904 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

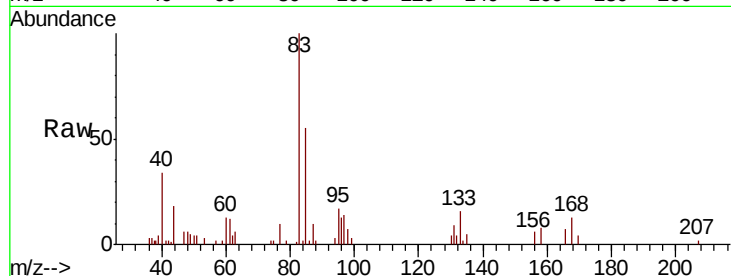
Tot Ion: 83 Resp: 19143

Ion Ratio Lower Upper

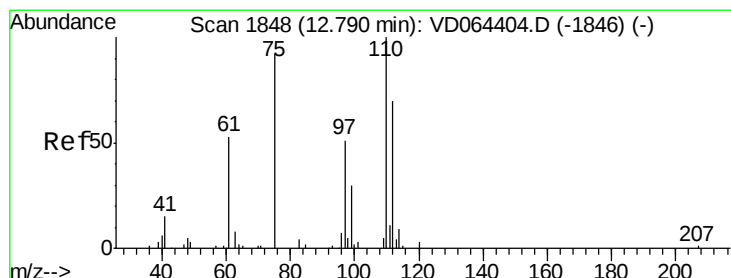
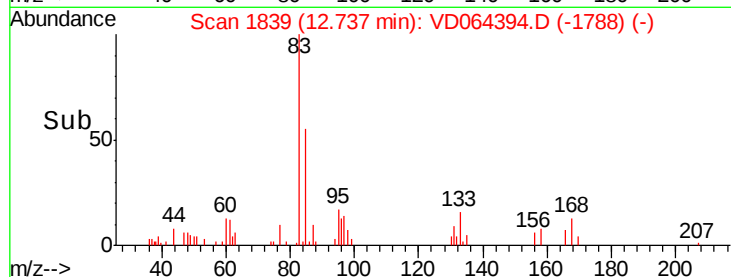
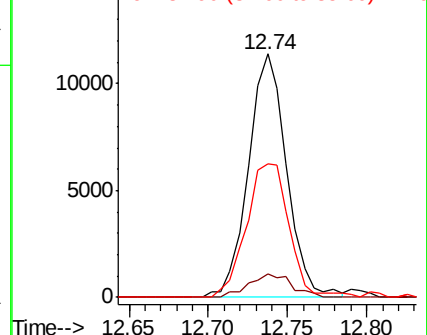
83 100

131 10.6 5.7 17.0

85 61.3 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 8.748 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064394.D

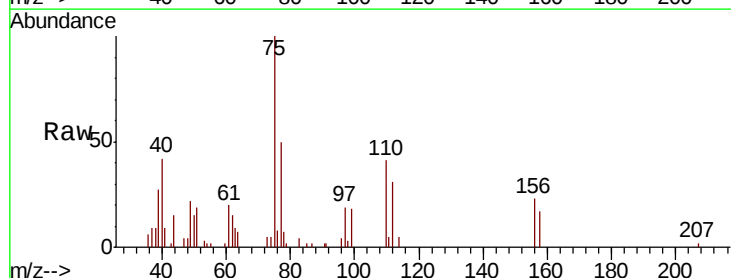
Acq: 27 Nov 2019 14:11

Tgt Ion: 75 Resp: 23610

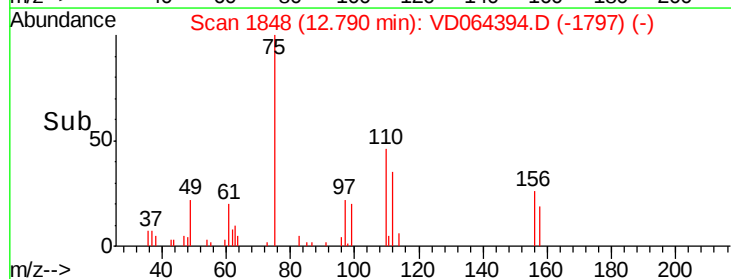
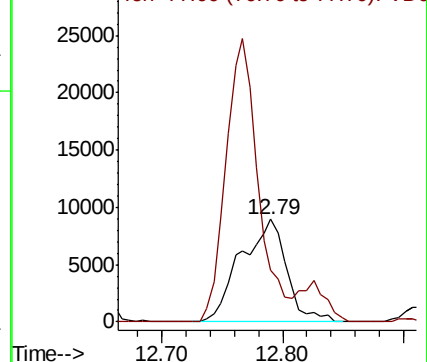
Ion Ratio Lower Upper

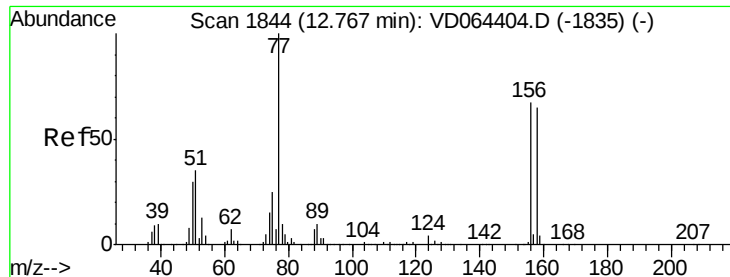
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.898 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

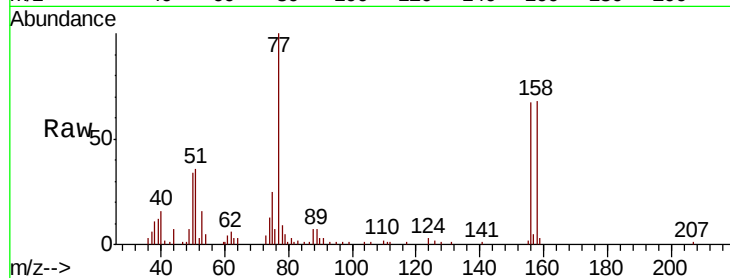
Tot Ion:156 Resp: 28550

Ion Ratio Lower Upper

156 100

77 161.5 80.0 240.2

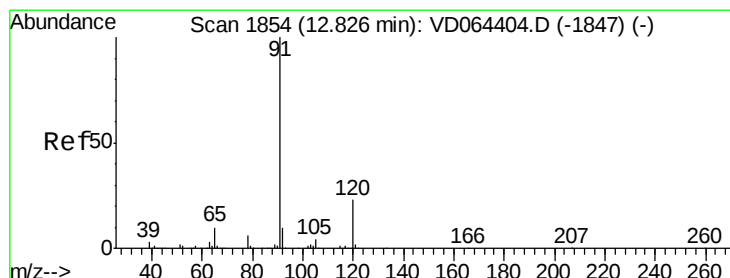
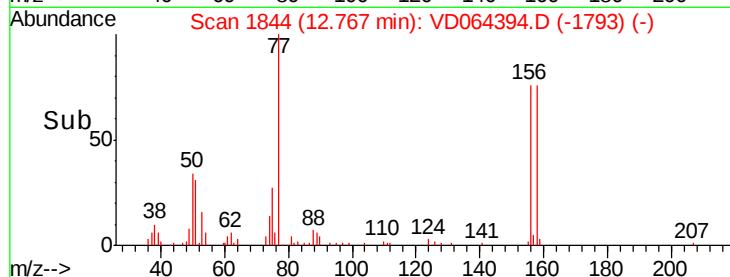
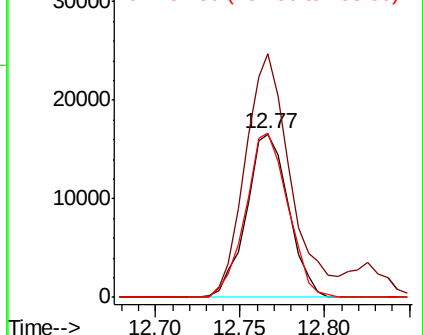
158 101.3 48.9 146.6



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: 4.901 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064394.D

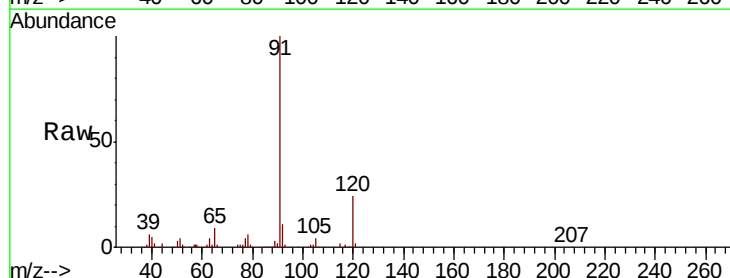
Acq: 27 Nov 2019 14:11

Tgt Ion: 91 Resp: 133480

Ion Ratio Lower Upper

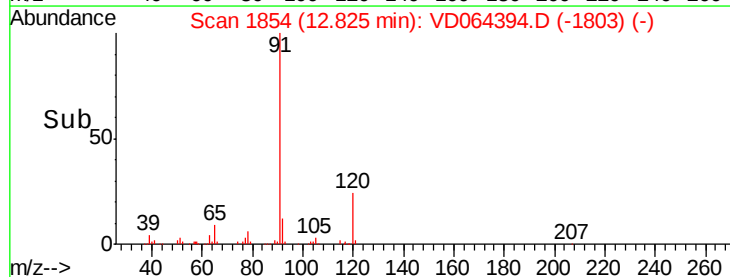
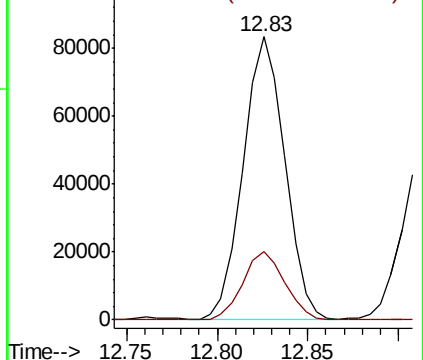
91 100

120 24.3 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: 5.066 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

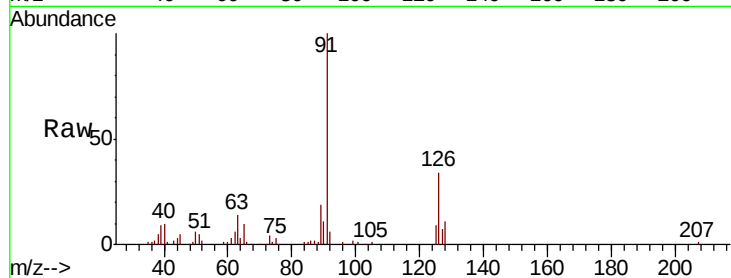
ClientSampled :

Tot Ion: 91 Resp: 75913

Ion Ratio Lower Upper

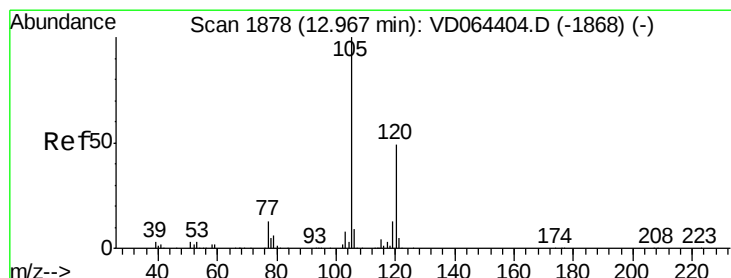
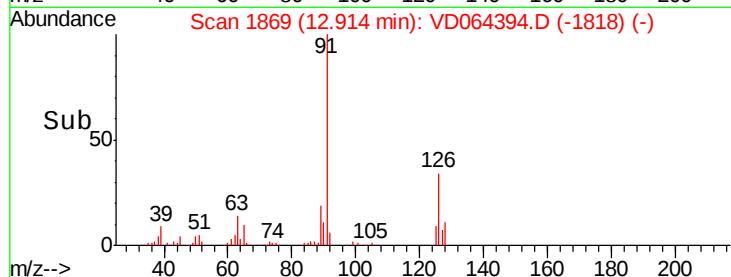
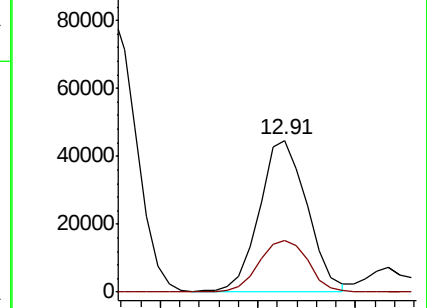
91 100

126 34.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5.051 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064394.D

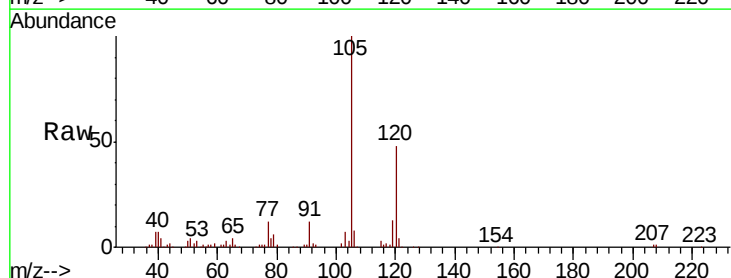
Acq: 27 Nov 2019 14:11

Tgt Ion:105 Resp: 97422

Ion Ratio Lower Upper

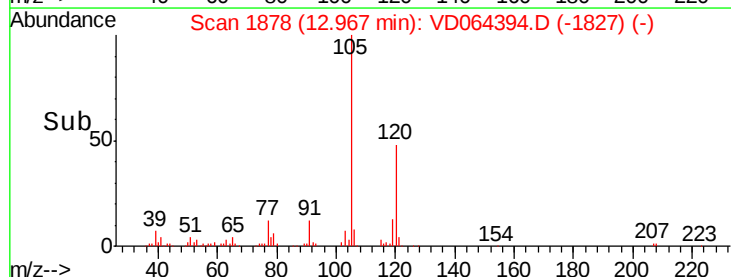
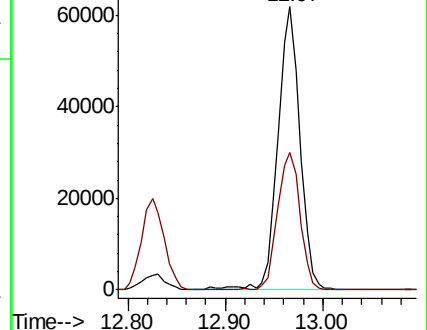
105 100

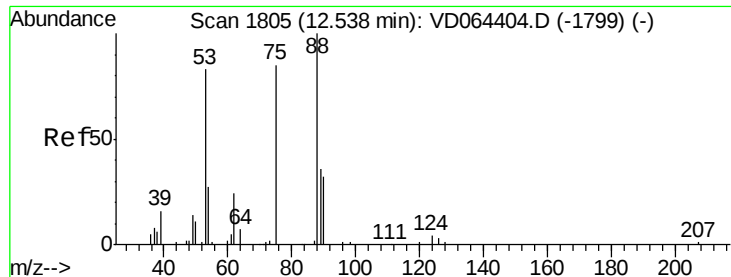
120 49.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.157 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

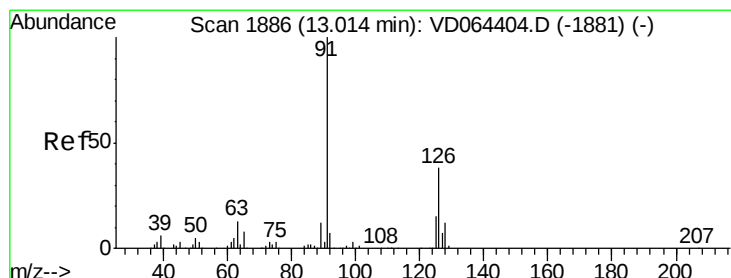
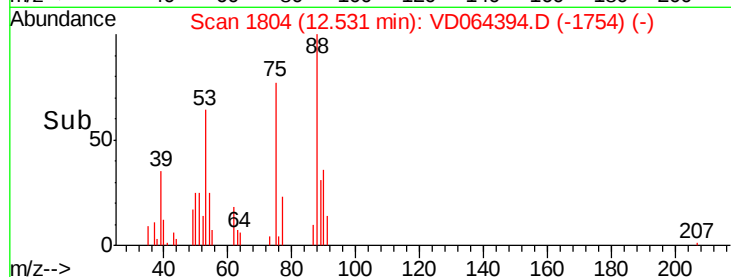
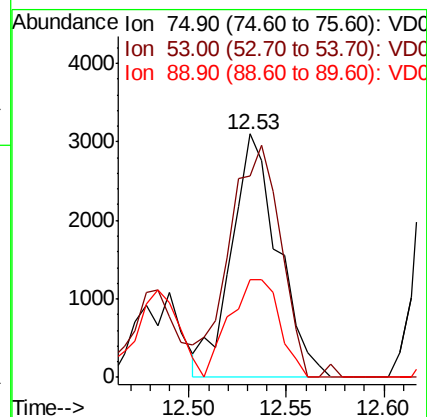
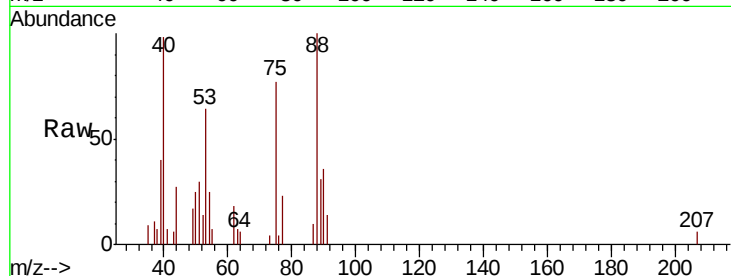
Tot Ion: 75 Resp: 5145

Ion Ratio Lower Upper

75 100

53 104.6 81.0 121.6

89 43.0 38.5 57.7



#82

4-Chlorotoluene

Concen: 4.896 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD064394.D

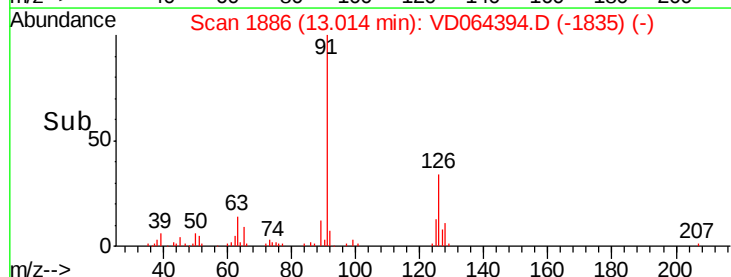
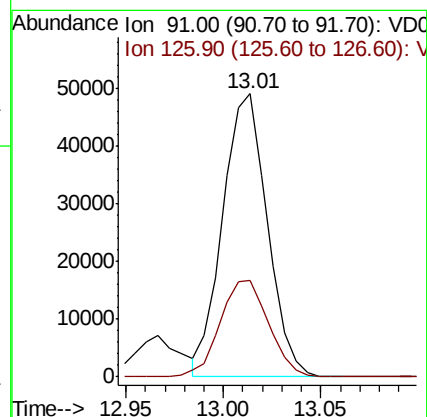
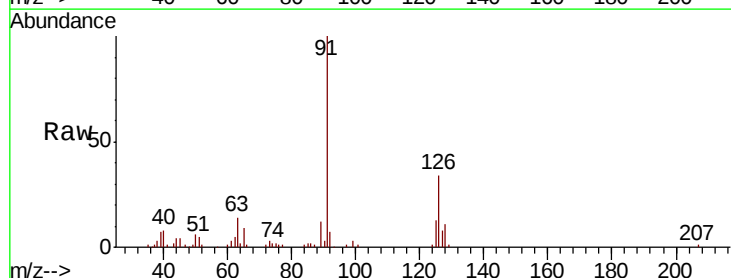
Acq: 27 Nov 2019 14:11

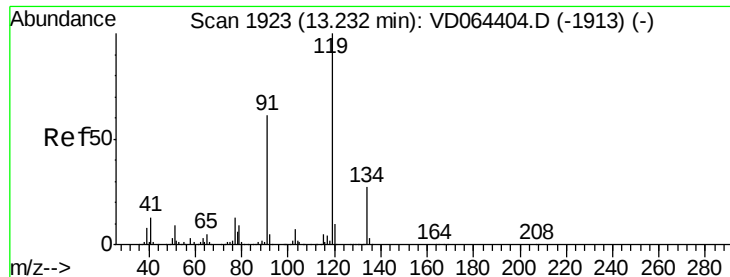
Tgt Ion: 91 Resp: 77676

Ion Ratio Lower Upper

91 100

126 37.2 18.2 54.6





#83

tert-Butylbenzene

Concen: 4.810 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

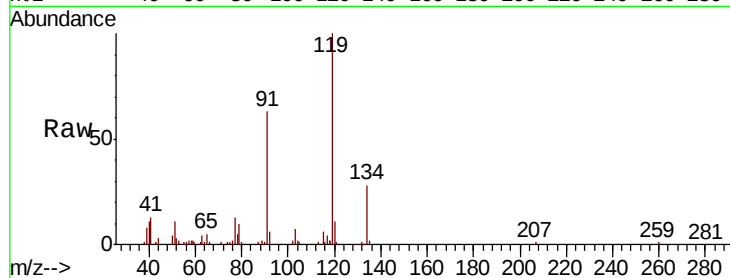
Tot Ion:119 Resp: 80656

Ion Ratio Lower Upper

119 100

91 64.3 31.2 93.6

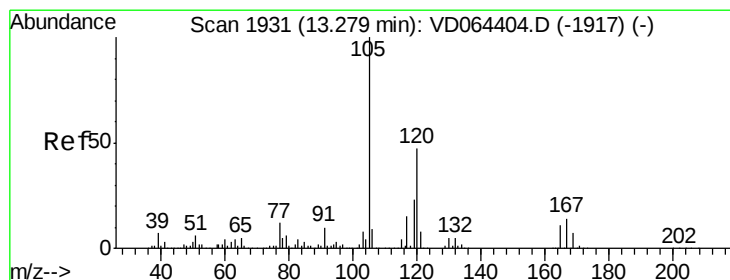
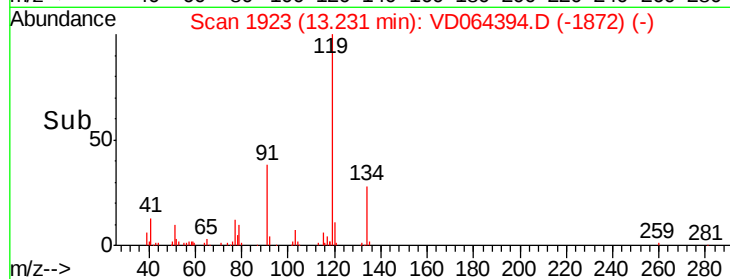
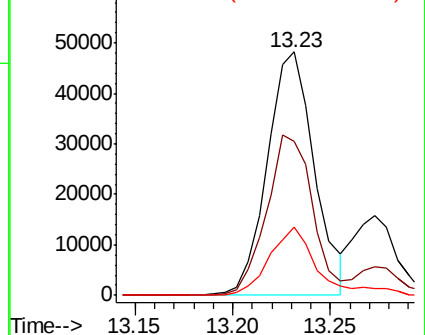
134 28.9 13.9 41.7



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: 4.835 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064394.D

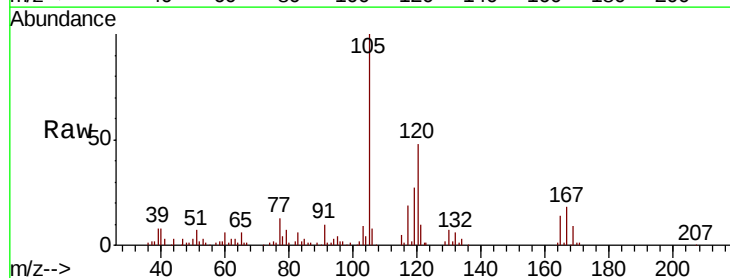
Acq: 27 Nov 2019 14:11

Tgt Ion:105 Resp: 93781

Ion Ratio Lower Upper

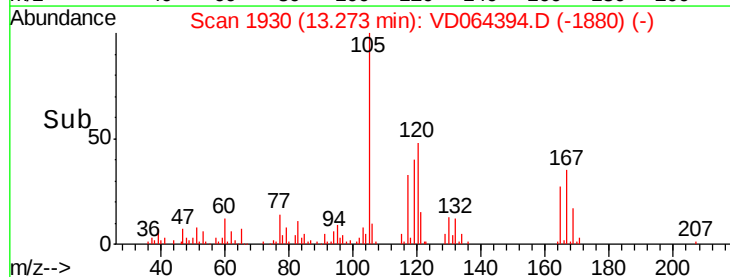
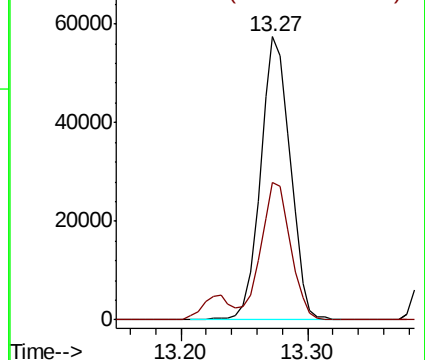
105 100

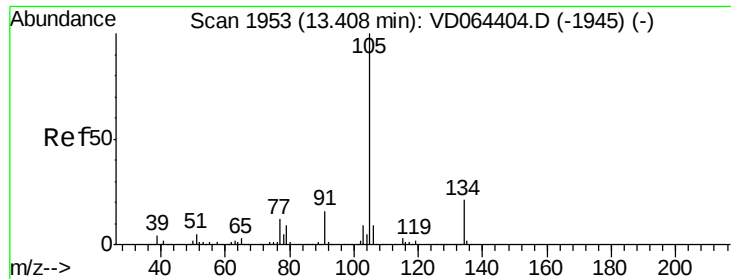
120 48.7 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.880 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

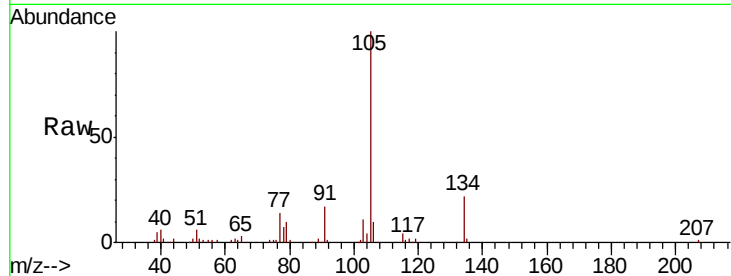
ClientSampleId :

Tot Ion:105 Resp: 112302

Ion Ratio Lower Upper

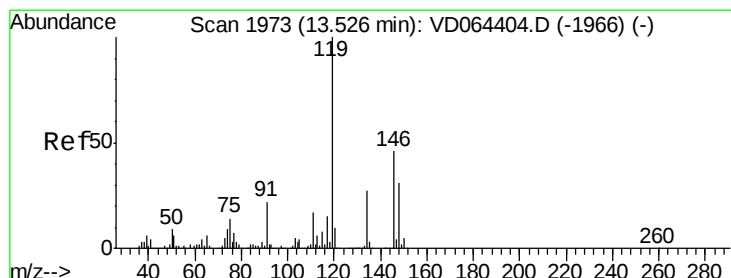
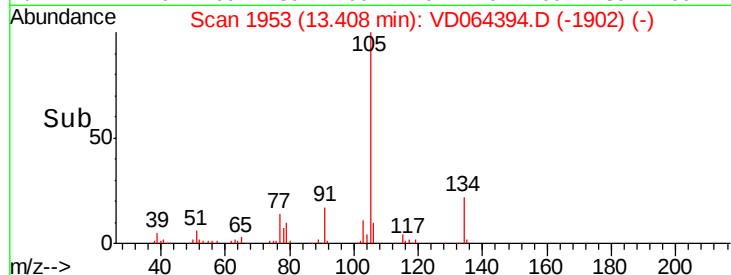
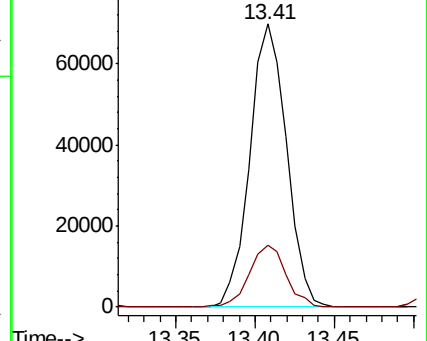
105 100

134 22.0 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.800 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

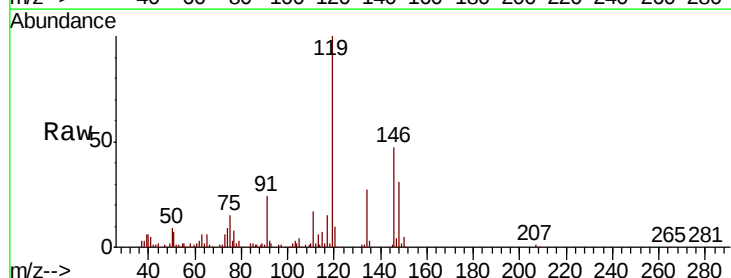
Tgt Ion:119 Resp: 104290

Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.4

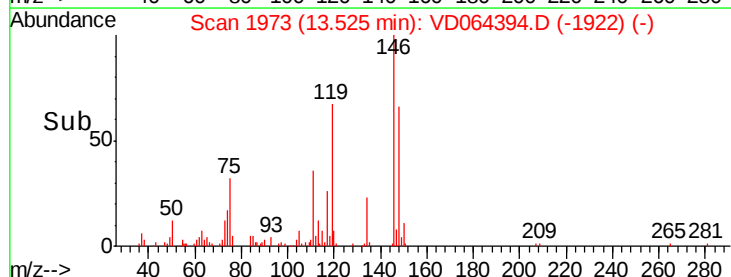
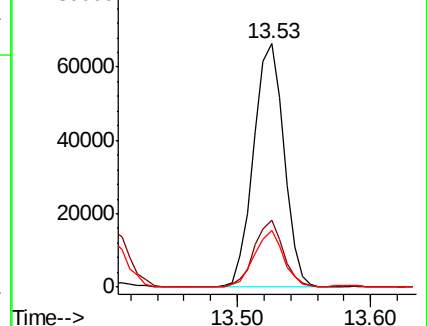
91 22.4 11.2 33.5

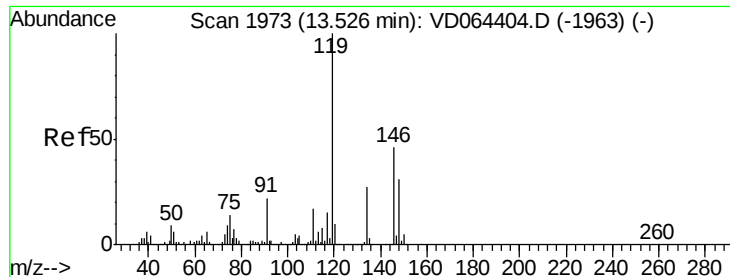


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

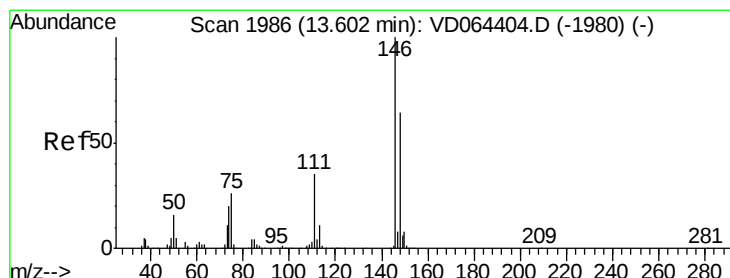
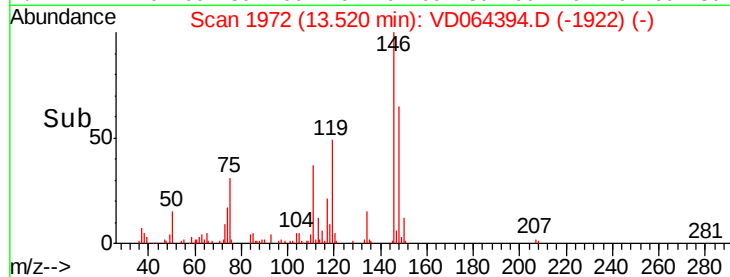
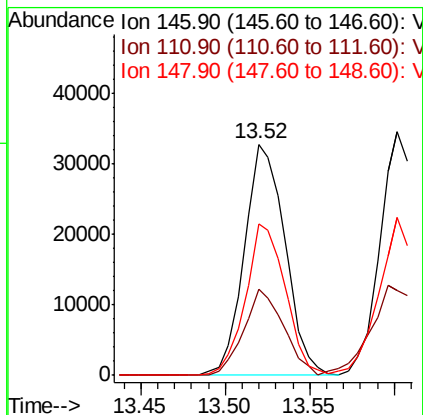
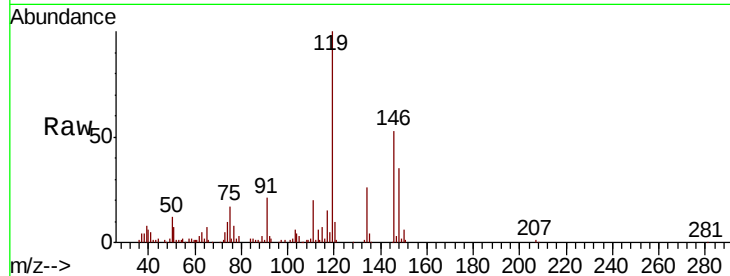




#87
 1,3-Dichlorobenzene
 Concen: 4.961 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

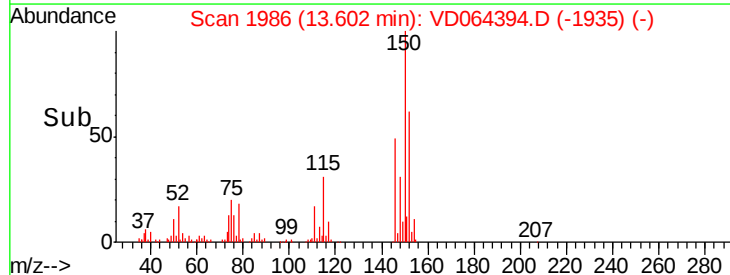
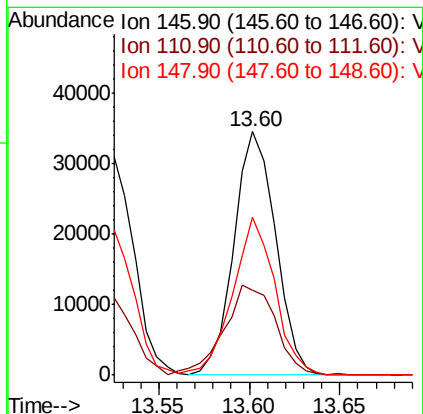
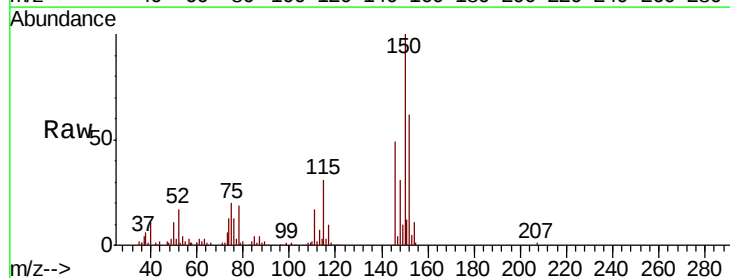
Instrument :
 MSVOA_D
 ClientSampleId :

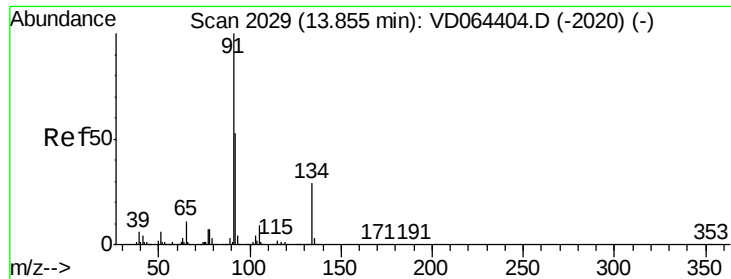
Tot Ion:146 Resp: 54887
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.8 56.4
 148 64.1 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 5.071 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Tgt Ion:146 Resp: 55388
 Ion Ratio Lower Upper
 146 100
 111 45.5 18.2 54.6
 148 65.4 31.8 95.4

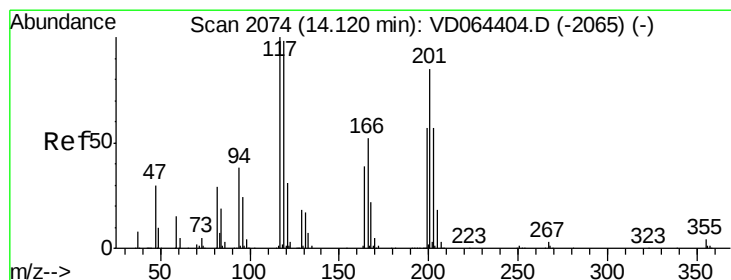
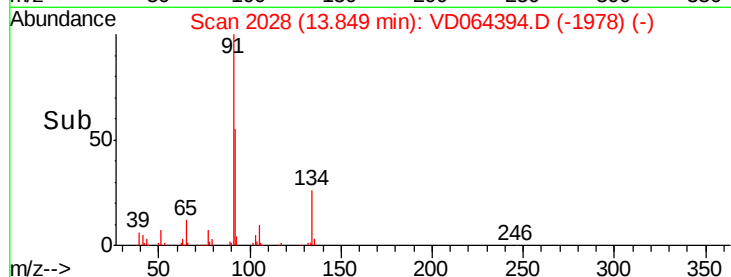
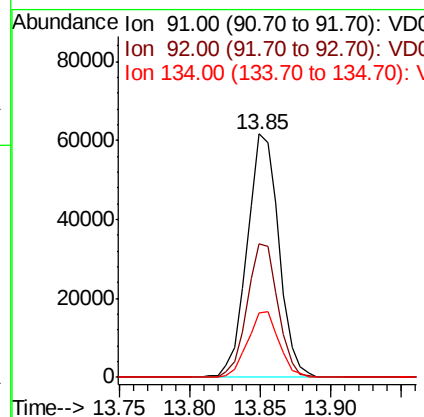
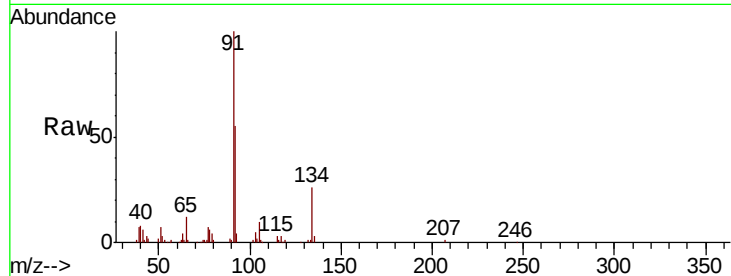




#89
n-Butylbenzene
Concen: 4.918 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

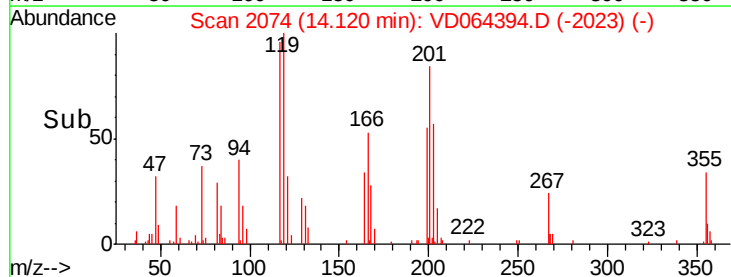
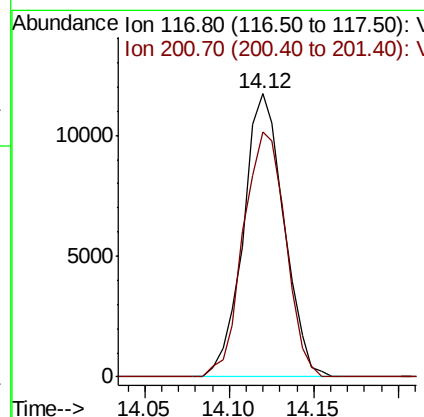
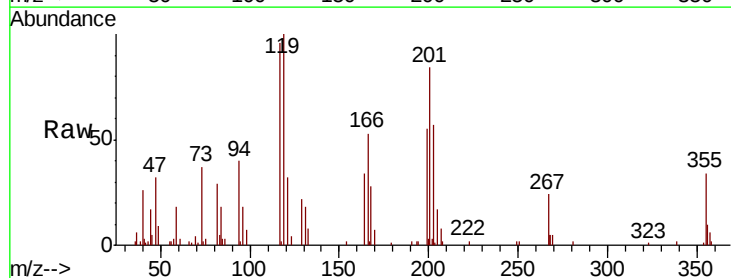
Instrument :
MSVOA_D
ClientSampleId :

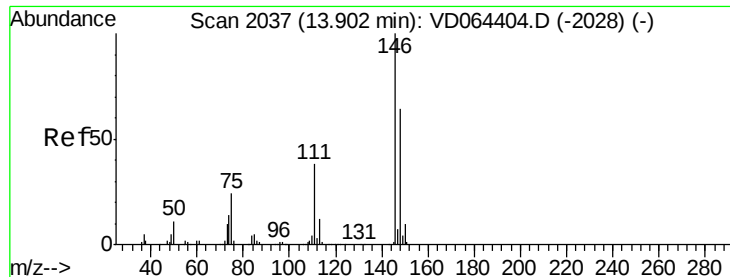
Tot Ion: 91 Resp: 97033
Ion Ratio Lower Upper
91 100
92 53.4 26.5 79.4
134 26.8 13.9 41.7



#90
Hexachloroethane
Concen: 4.830 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064394.D
Acq: 27 Nov 2019 14:11

Tgt Ion: 117 Resp: 19627
Ion Ratio Lower Upper
117 100
201 89.8 44.3 132.8

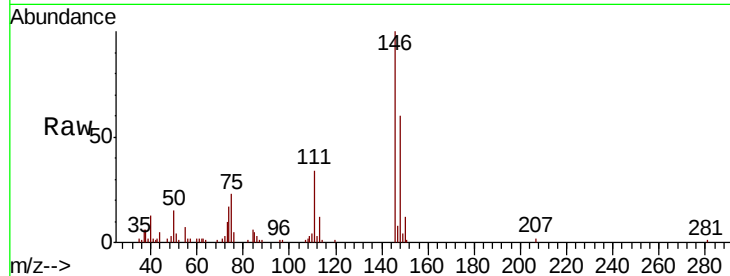




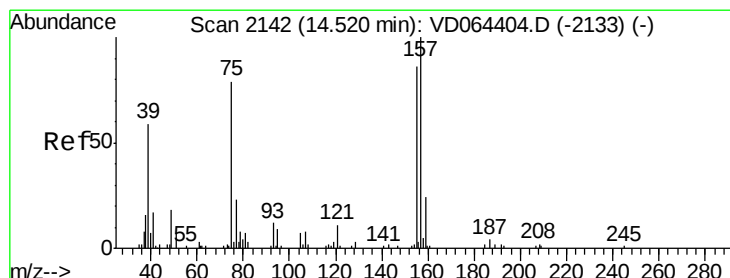
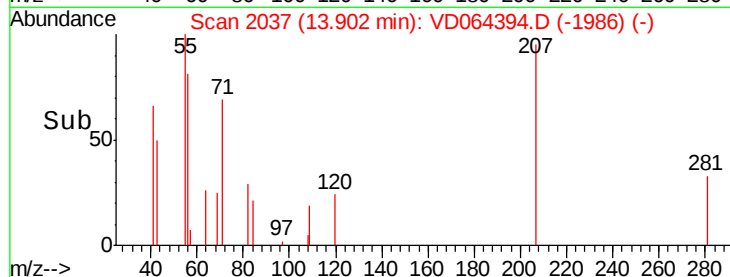
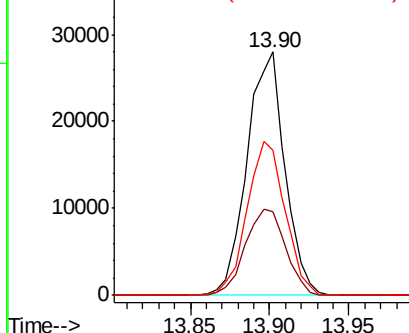
#91
 1,2-Dichlorobenzene
 Concen: 4.928 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.3
148	63.6	32.0	96.0

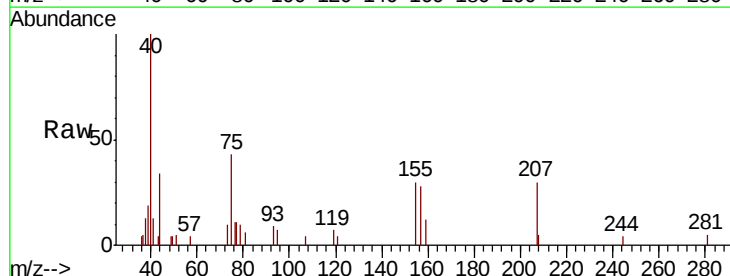


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

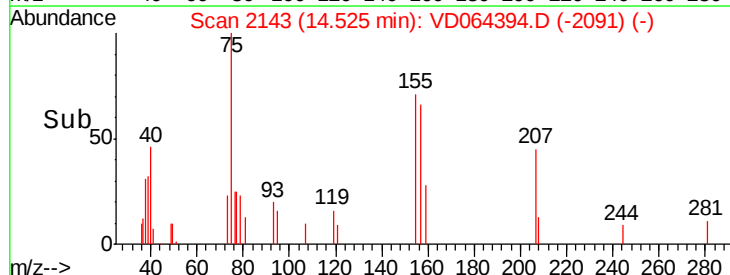
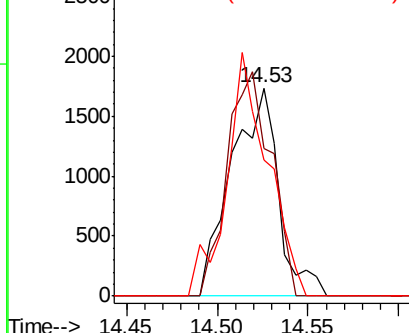


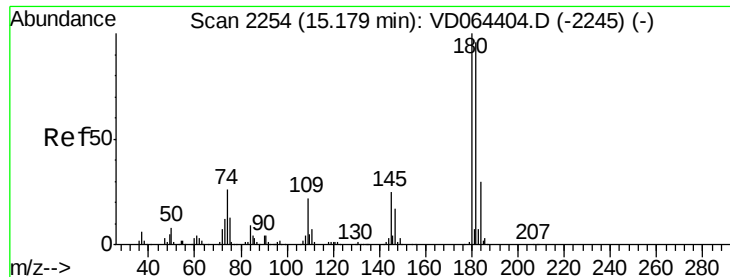
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.107 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	51.9	155.7
157	101.6	63.2	189.8



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

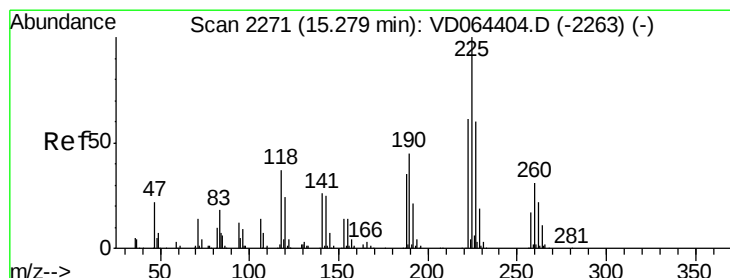
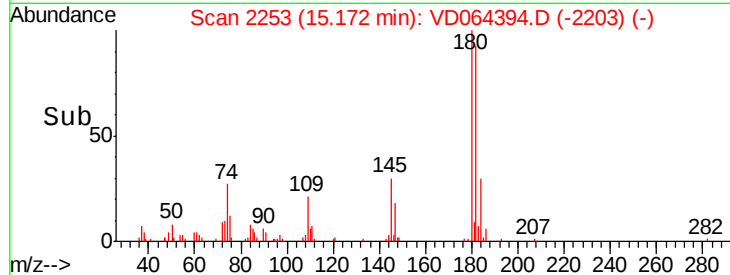
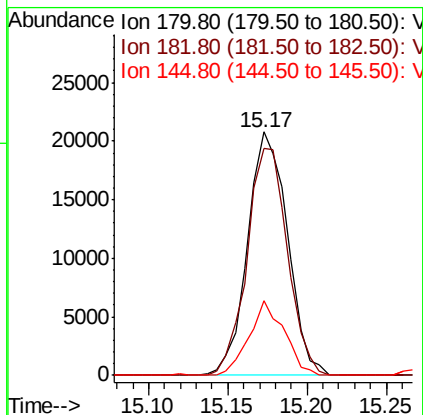
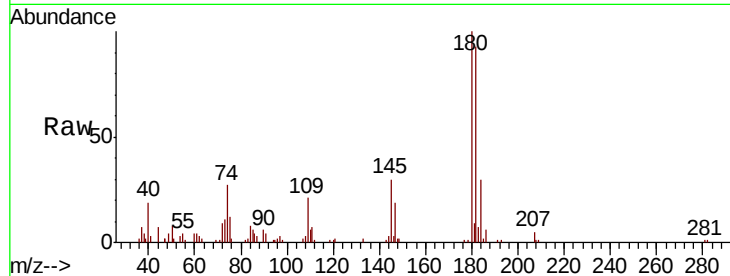




#93
 1,2,4-Trichlorobenzene
 Concen: 5.027 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

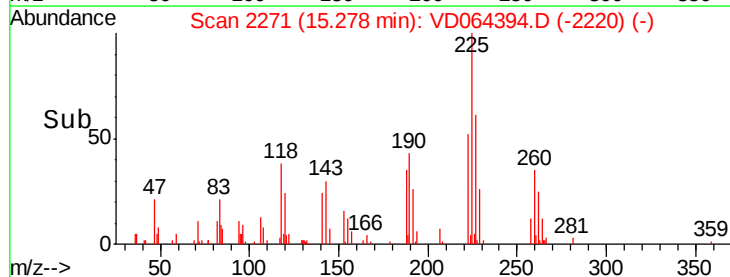
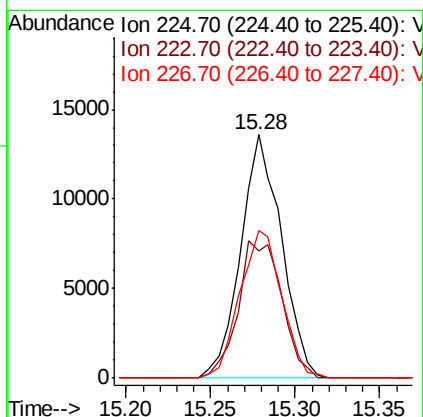
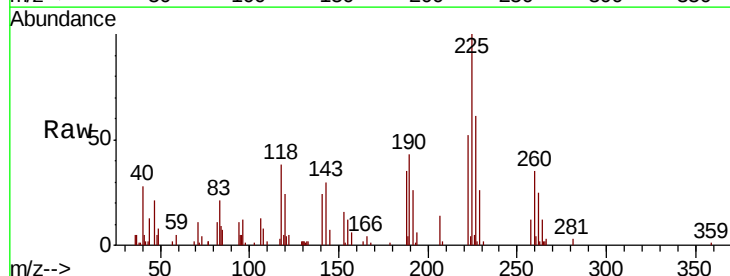
Instrument :
 MSVOA_D
 ClientSampleId :

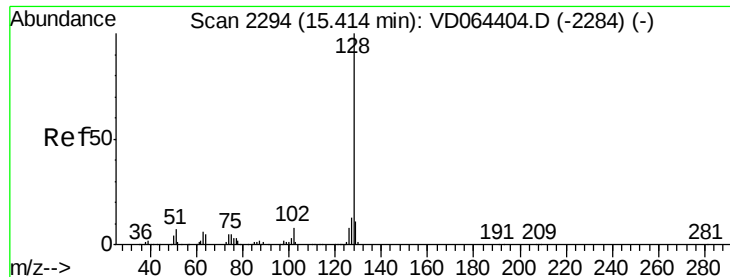
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	27.1	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 5.099 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064394.D
 Acq: 27 Nov 2019 14:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.1	93.3
227	62.3	31.8	95.4





#95

Naphthalene

Concen: 4.707 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

Instrument :

MSVOA_D

ClientSampleId :

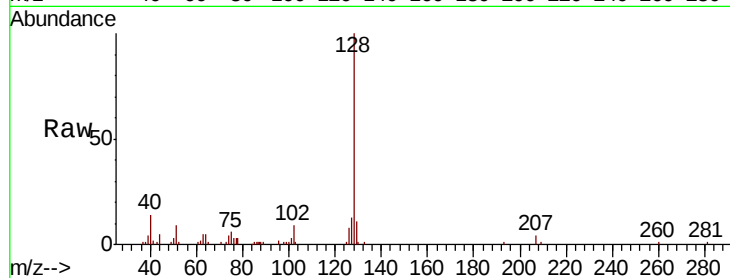
Tot Ion:128 Resp: 56881

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

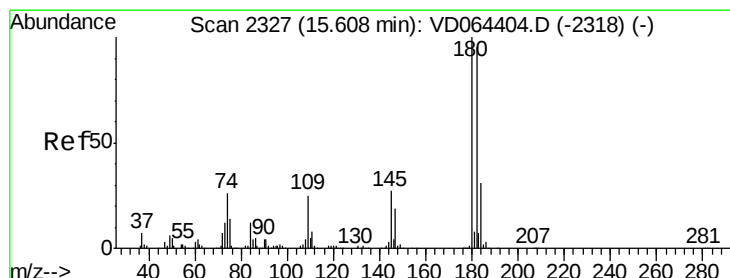
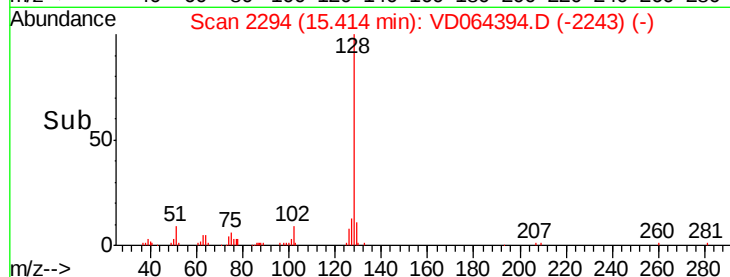
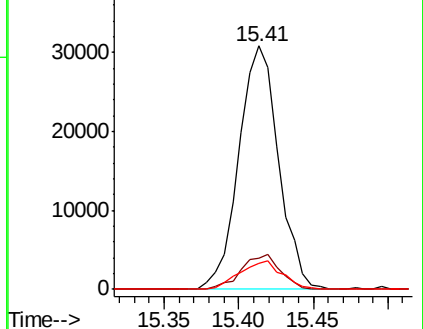
129 12.4 8.8 13.2



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: 4.860 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064394.D

Acq: 27 Nov 2019 14:11

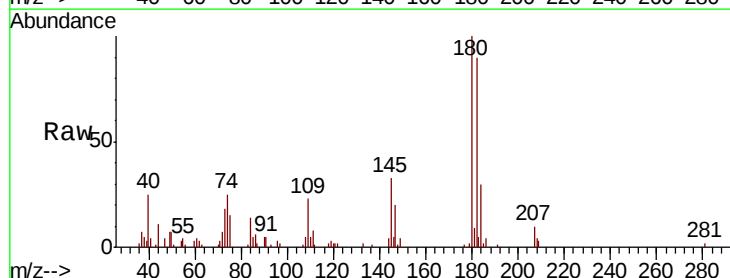
Tgt Ion:180 Resp: 30035

Ion Ratio Lower Upper

180 100

182 95.4 47.6 142.9

145 30.6 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

