

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065501.D
 Acq On : 13 Mar 2020 12:37
 Operator : VA/SY
 Sample : VD0313SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 16 01:43:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	456770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	663816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	618389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310997	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	196388	50.12	ug/l	0.00
Spiked Amount						
			Recovery	=	100.24%	
35) Dibromofluoromethane	7.92	113	211187	51.45	ug/l	0.00
Spiked Amount						
			Recovery	=	102.90%	
50) Toluene-d8	10.34	98	809740	51.42	ug/l	0.00
Spiked Amount						
			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.64	95	260597	53.60	ug/l	0.00
Spiked Amount						
			Recovery	=	107.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	84904	21.628	ug/l	99
3) Chloromethane	2.21	50	98195	20.719	ug/l	99
4) Vinyl Chloride	2.35	62	99875	21.365	ug/l	97
5) Bromomethane	2.76	94	63986	21.721	ug/l	96
6) Chloroethane	2.92	64	62321	21.767	ug/l	97
7) Trichlorofluoromethane	3.27	101	148844	21.609	ug/l	100
8) Diethyl Ether	3.70	74	43874	21.418	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96422	21.735	ug/l	99
10) Methyl Iodide	4.30	142	94223	20.444	ug/l	99
11) Tert butyl alcohol	5.25	59	20291	90.285	ug/l	97
12) 1,1-Dichloroethene	4.06	96	87650	20.633	ug/l	94
13) Acrolein	3.92	56	29828	76.956	ug/l	96
14) Allyl chloride	4.71	41	132541	20.311	ug/l	99
15) Acrylonitrile	5.43	53	92458	103.751	ug/l	99
16) Acetone	4.17	43	78373	98.904	ug/l	93
17) Carbon Disulfide	4.40	76	286855	20.277	ug/l	99
18) Methyl Acetate	4.72	43	43966	21.873	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	173630	21.254	ug/l	98
20) Methylene Chloride	4.96	84	106282	22.820	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	100651	21.299	ug/l	93
22) Diisopropyl ether	6.37	45	274832	22.655	ug/l	98
23) Vinyl Acetate	6.31	43	716130	106.319	ug/l	100
24) 1,1-Dichloroethane	6.27	63	170505	21.913	ug/l	97
25) 2-Butanone	7.22	43	109403	101.171	ug/l	97
26) 2,2-Dichloropropane	7.21	77	145594	21.412	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105294	21.799	ug/l	99
28) Bromochloromethane	7.55	49	68908	22.135	ug/l	99
29) Tetrahydrofuran	7.57	42	70097	101.506	ug/l	98
30) Chloroform	7.71	83	175131	22.519	ug/l	92
31) Cyclohexane	7.98	56	157450	20.237	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	155739	21.669	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135564	21.305	ug/l	99
37) Ethyl Acetate	7.30	43	52786	21.463	ug/l	97
38) Carbon Tetrachloride	8.10	117	145231	22.010	ug/l	100

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154453	20.097	ug/l	96
40) Benzene	8.36	78	392718	22.074	ug/l	99
41) Methacrylonitrile	7.54	41	27449	21.104	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	105626	22.736	ug/l	99
43) Isopropyl Acetate	8.46	43	95877	21.113	ug/l	99
44) Trichloroethene	9.11	130	109824	21.859	ug/l	99
45) 1,2-Dichloropropane	9.40	63	98176	22.781	ug/l	92
46) Dibromomethane	9.48	93	49617	22.196	ug/l	94
47) Bromodichloromethane	9.67	83	132149	22.724	ug/l	94
48) Methyl methacrylate	9.46	41	44193	20.688	ug/l	97
49) 1,4-Dioxane	9.47	88	11508	450.066	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	257198	112.548	ug/l	99
52) Toluene	10.41	92	250061	22.311	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	117192	21.564	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	144809	22.013	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	71728	22.655	ug/l	97
56) Ethyl methacrylate	10.67	69	75798	21.236	ug/l	99
57) 1,3-Dichloropropane	10.95	76	119780	22.360	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	112543	102.187	ug/l	99
59) 2-Hexanone	10.99	43	166627	105.332	ug/l	96
60) Dibromochloromethane	11.14	129	92781	22.862	ug/l	100
61) 1,2-Dibromoethane	11.25	107	68957	22.834	ug/l	96
64) Tetrachloroethene	10.88	164	95352	21.519	ug/l	96
65) Chlorobenzene	11.67	112	264207	21.590	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	100908	22.641	ug/l	98
67) Ethyl Benzene	11.75	91	448475	21.210	ug/l	99
68) m/p-Xylenes	11.86	106	361008	44.279	ug/l	100
69) o-Xylene	12.18	106	153184	21.359	ug/l	99
70) Styrene	12.20	104	280673	22.237	ug/l	99
71) Bromoform	12.37	173	54426	21.741	ug/l #	100
73) Isopropylbenzene	12.48	105	423405	20.699	ug/l	100
74) N-amyl acetate	12.30	43	82957	19.809	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	74330	20.672	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	97792	39.850	ug/l #	100
77) Bromobenzene	12.77	156	110186	21.681	ug/l	99
78) n-propylbenzene	12.83	91	523941	21.587	ug/l	99
79) 2-Chlorotoluene	12.91	91	287958	21.052	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	359869	21.399	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	23867	20.524	ug/l	99
82) 4-Chlorotoluene	13.01	91	315479	21.948	ug/l	100
83) tert-Butylbenzene	13.23	119	292530	20.561	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	354661	21.395	ug/l	99
85) sec-Butylbenzene	13.41	105	422813	20.820	ug/l	99
86) p-Isopropyltoluene	13.53	119	392285	21.169	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	212314	21.729	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	206842	21.281	ug/l	97
89) n-Butylbenzene	13.86	91	348325	20.332	ug/l	99
90) Hexachloroethane	14.12	117	82073	21.506	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	181376	21.813	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11285	20.608	ug/l	96

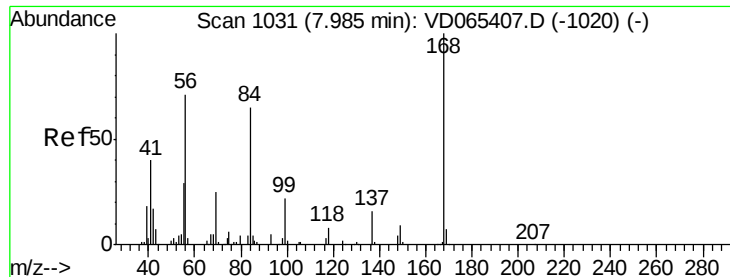
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116525	20.676	ug/l	99
94) Hexachlorobutadiene	15.28	225	79602	21.497	ug/l	99
95) Naphthalene	15.41	128	177664	20.536	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102959	21.142	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

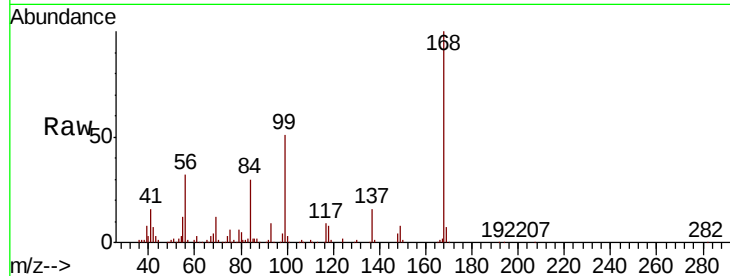
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 456770

Ion Ratio Lower Upper

168 100

99 50.8 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

50000

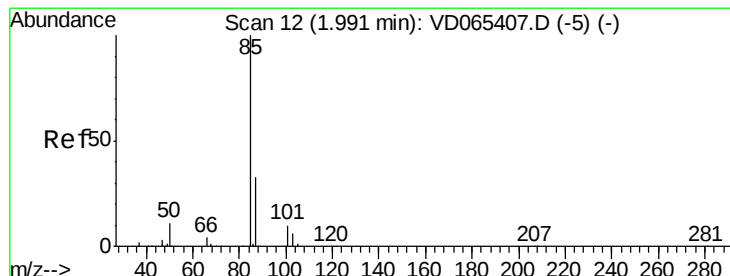
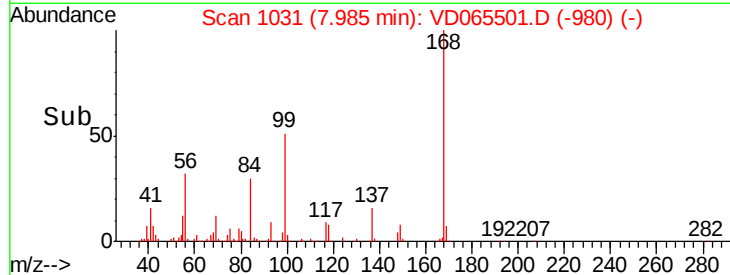
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.628 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065501.D

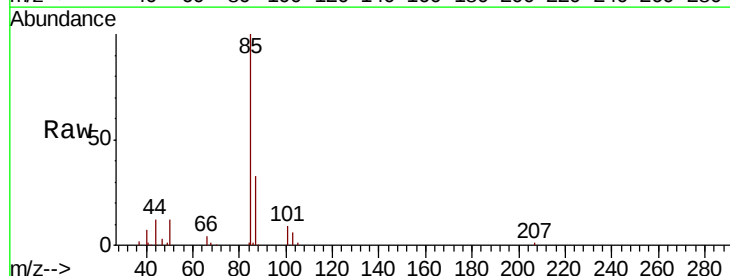
Acq: 13 Mar 2020 12:37

Tgt Ion: 85 Resp: 84904

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

40000

20000

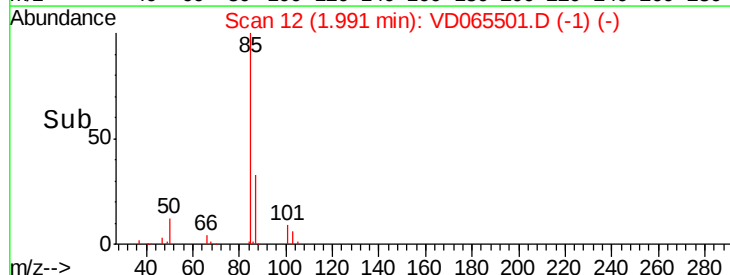
0

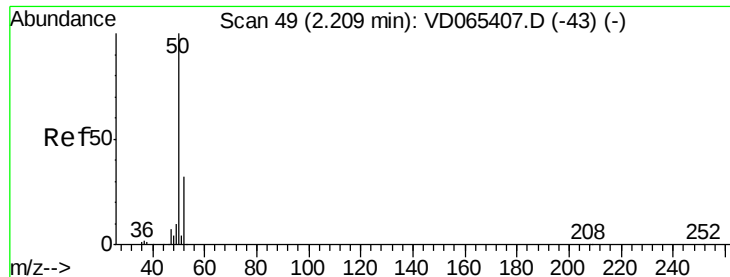
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 20.719 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

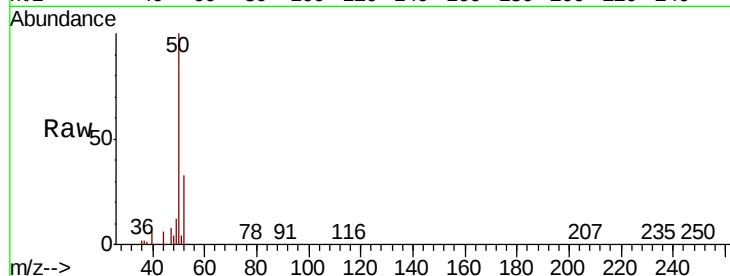
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 98195

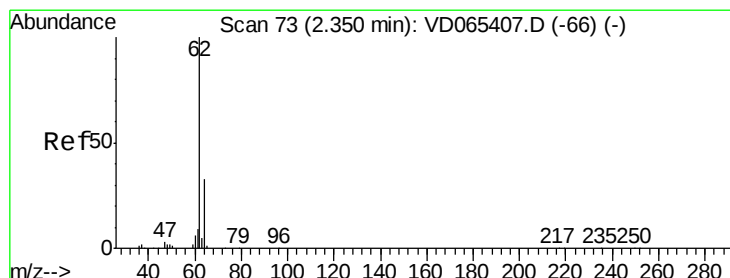
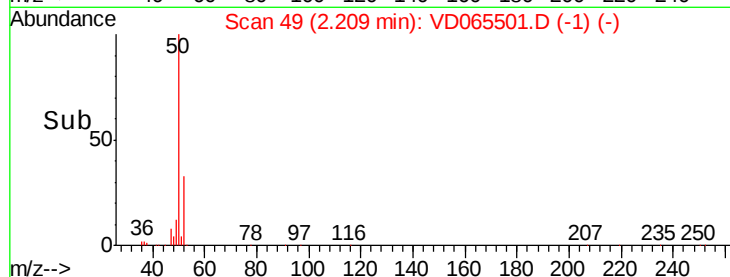
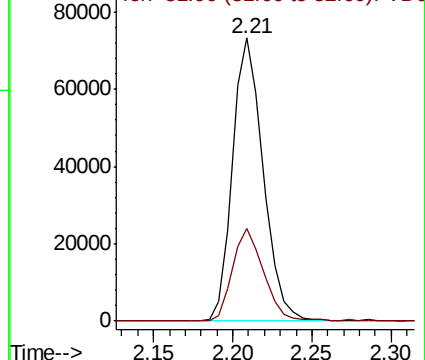
Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.8



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



#4

Vinyl Chloride

Concen: 21.365 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065501.D

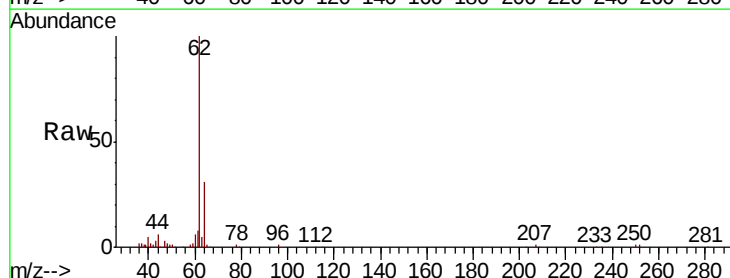
Acq: 13 Mar 2020 12:37

Tgt Ion: 62 Resp: 99875

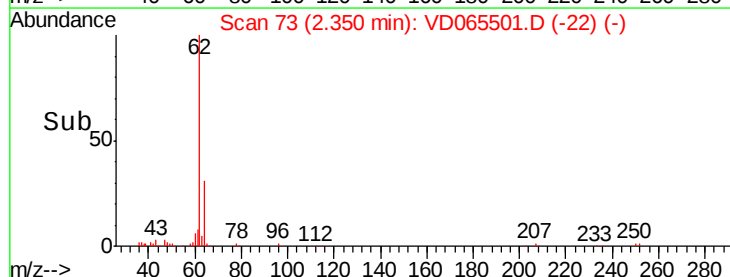
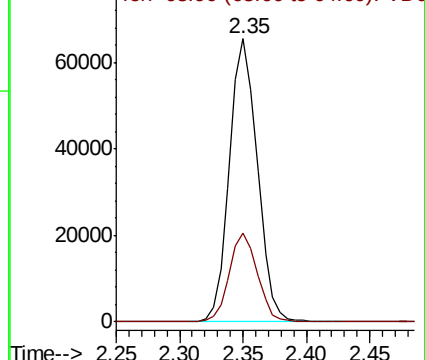
Ion Ratio Lower Upper

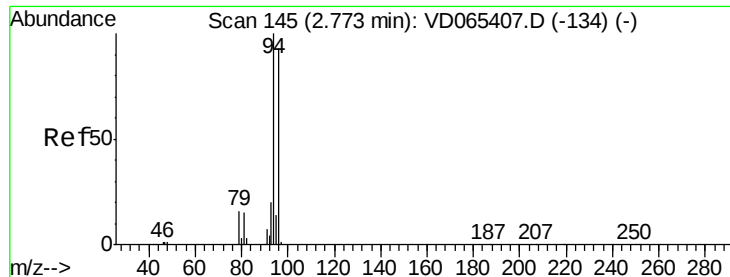
62 100

64 31.2 26.6 39.8



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





#5

Bromomethane

Concen: 21.721 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

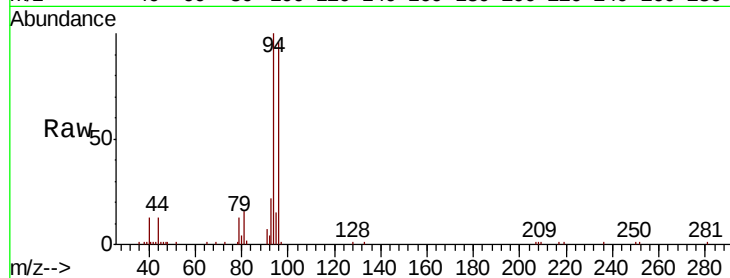
ClientSampleId :

Tot Ion: 94 Resp: 63986

Ion Ratio Lower Upper

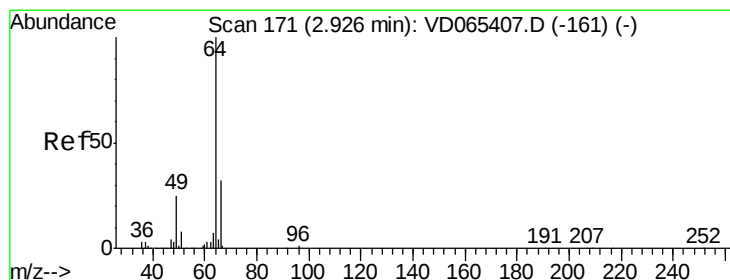
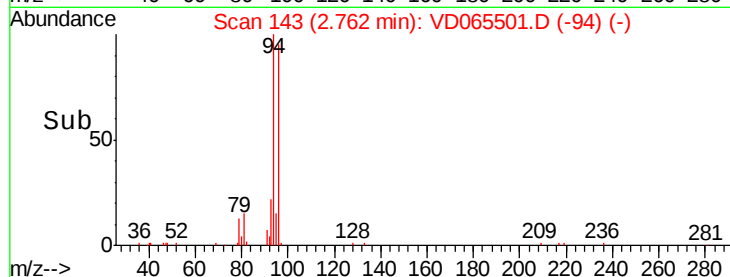
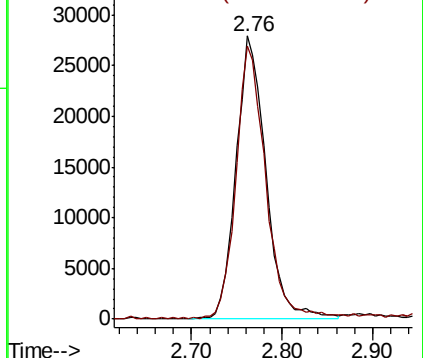
94 100

96 96.5 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.767 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065501.D

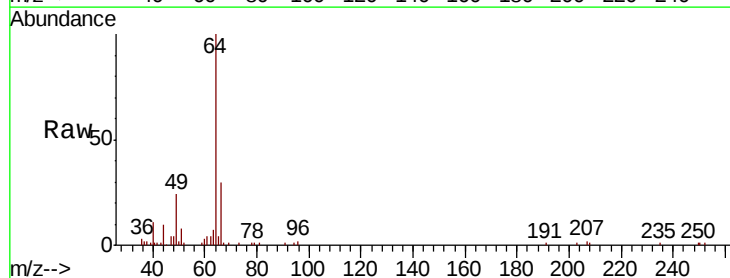
Acq: 13 Mar 2020 12:37

Tgt Ion: 64 Resp: 62321

Ion Ratio Lower Upper

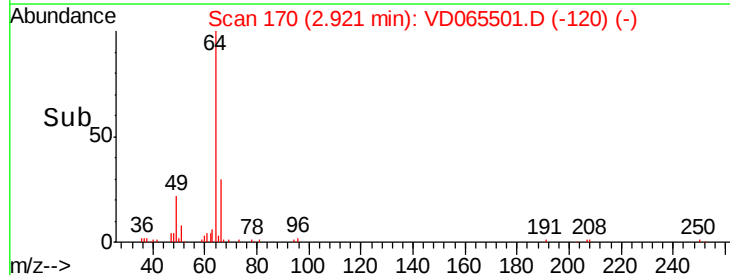
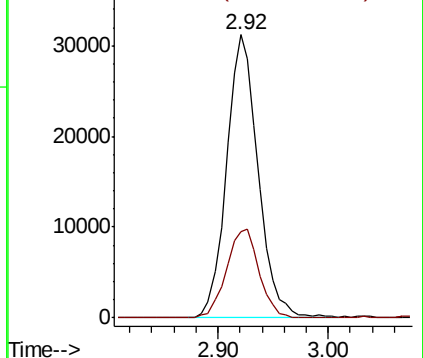
64 100

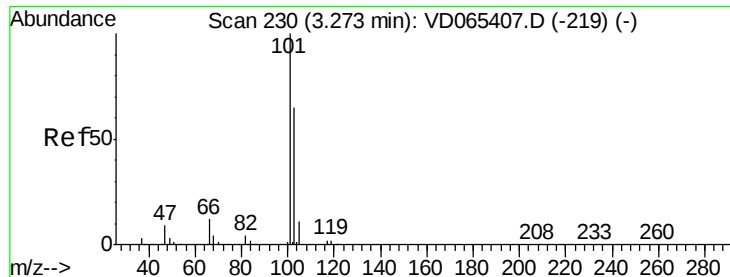
66 30.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.609 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

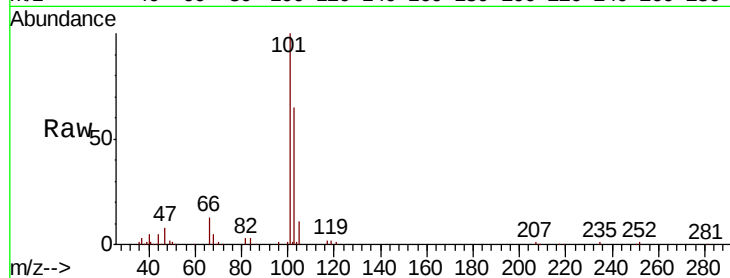
ClientSampleId :

Tot Ion:101 Resp: 148844

Ion Ratio Lower Upper

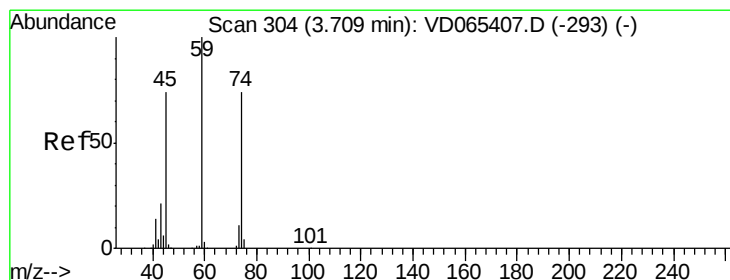
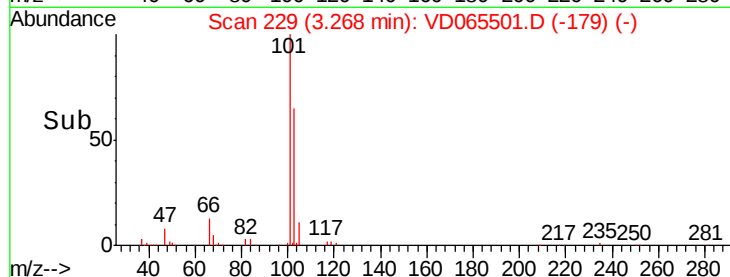
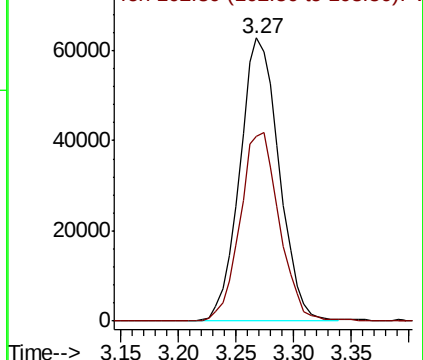
101 100

103 65.3 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 21.418 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065501.D

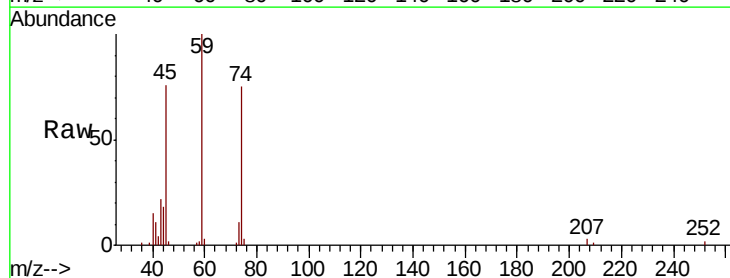
Acq: 13 Mar 2020 12:37

Tgt Ion: 74 Resp: 43874

Ion Ratio Lower Upper

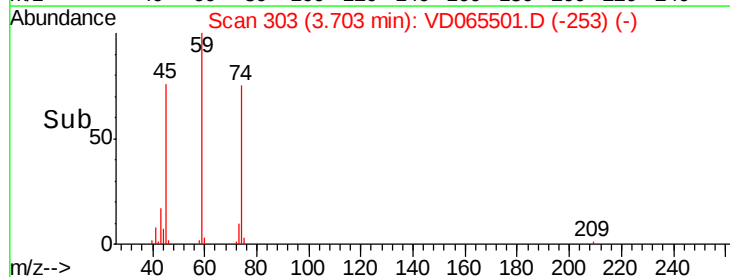
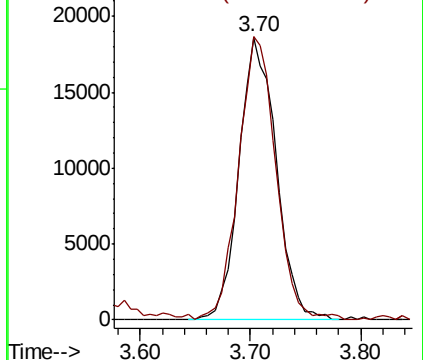
74 100

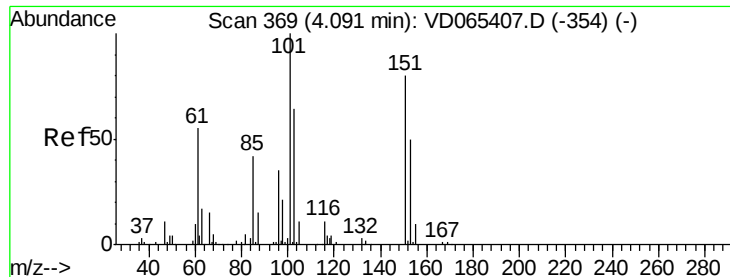
45 100.8 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.735 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

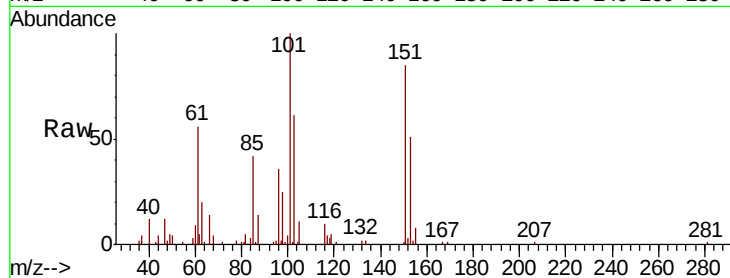
Tot Ion:101 Resp: 96422

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

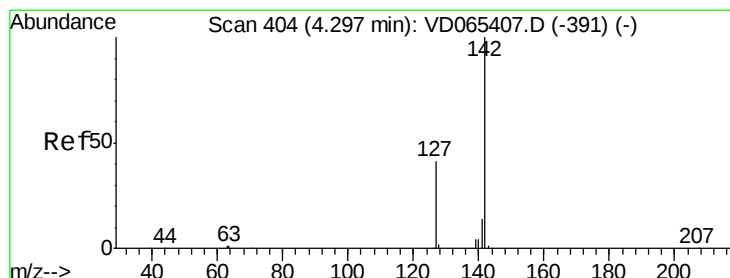
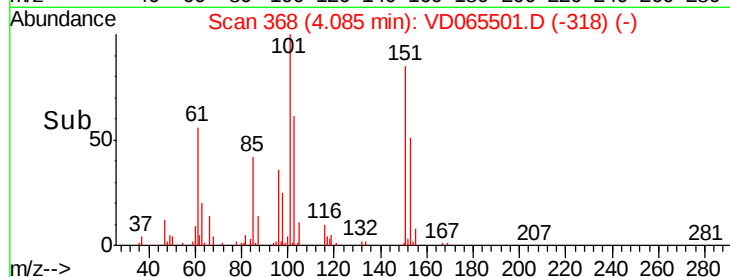
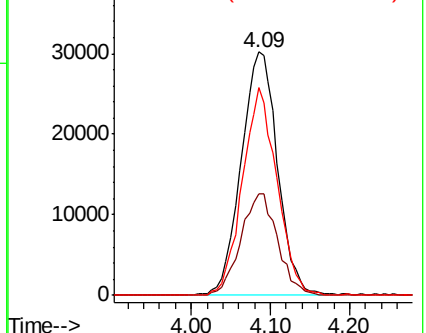
151 80.9 65.1 97.7



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: 20.444 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

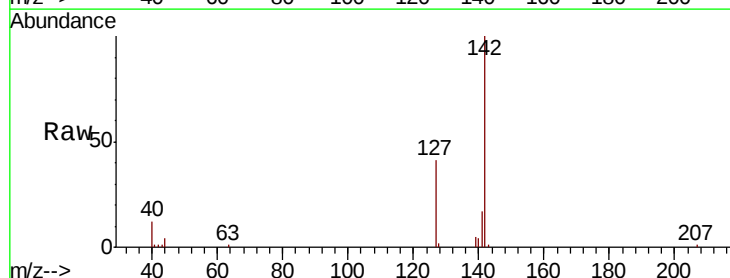
Tgt Ion:142 Resp: 94223

Ion Ratio Lower Upper

142 100

127 43.5 35.0 52.6

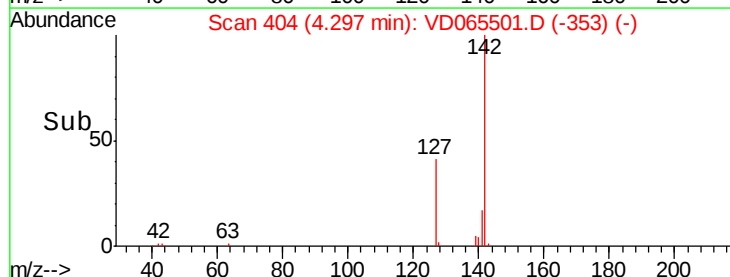
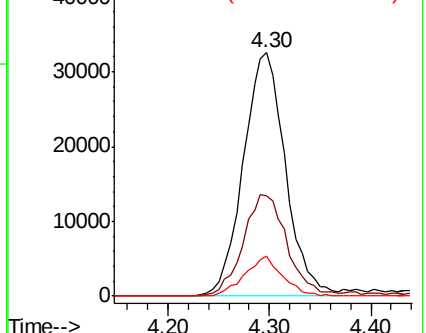
141 14.6 12.4 18.6

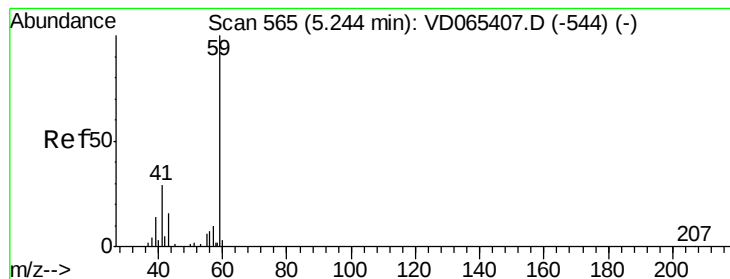


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



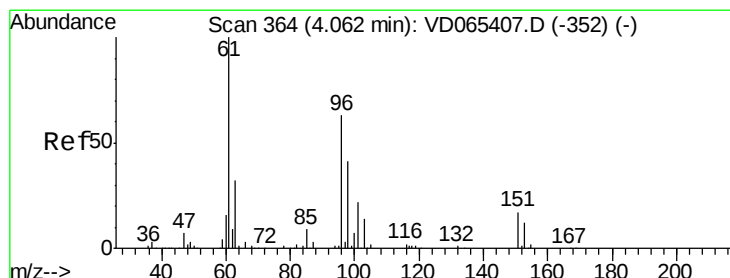
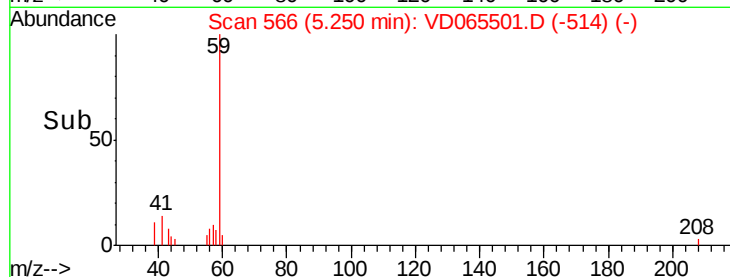
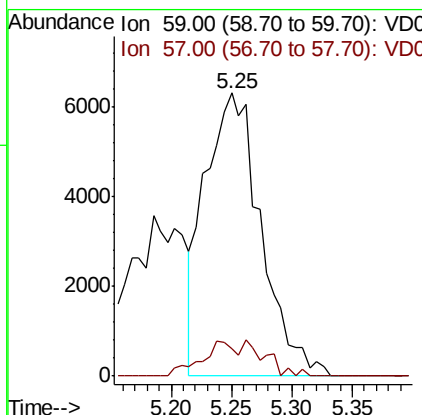
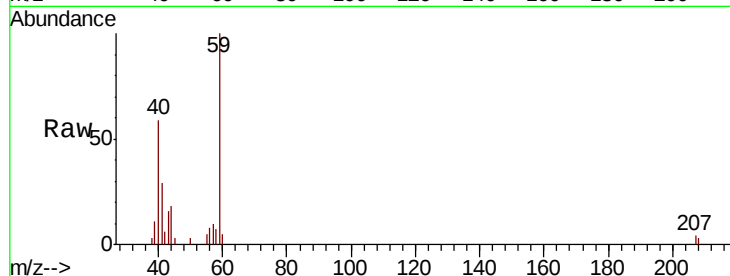


#11

Tert butyl alcohol
 Concen: 90.285 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleID :

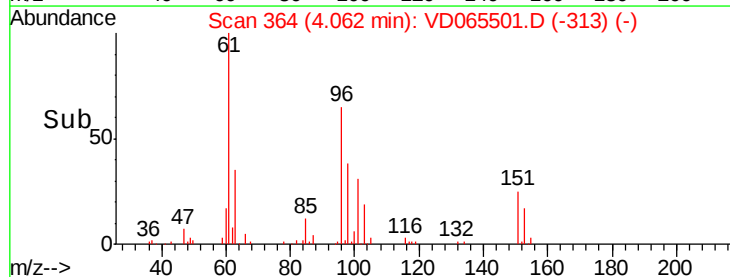
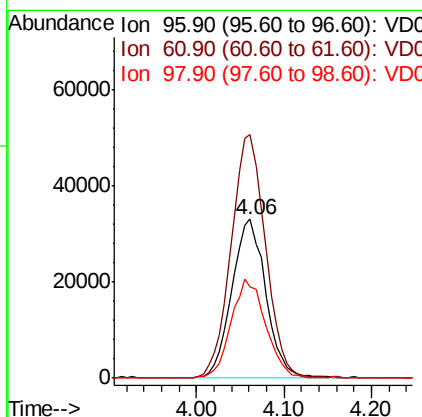
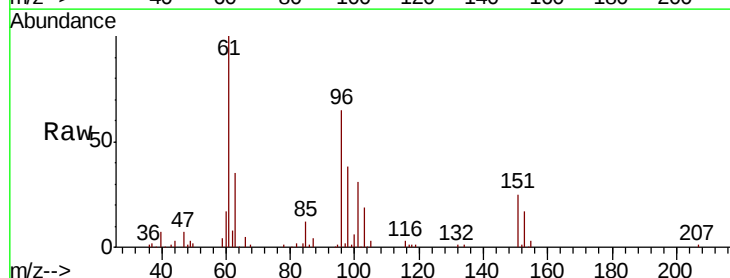
Tot Ion: 59 Resp: 20291
 Ion Ratio Lower Upper
 59 100
 57 7.5 6.9 10.3

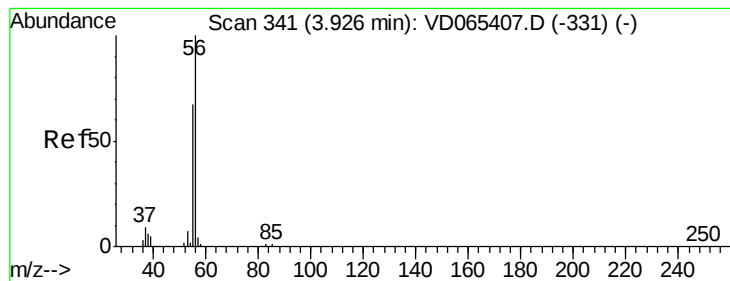


#12

1,1-Dichloroethene
 Concen: 20.633 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Tgt Ion: 96 Resp: 87650
 Ion Ratio Lower Upper
 96 100
 61 153.4 128.0 192.0
 98 57.9 51.9 77.9





#13

Acrolein

Concen: 76.956 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

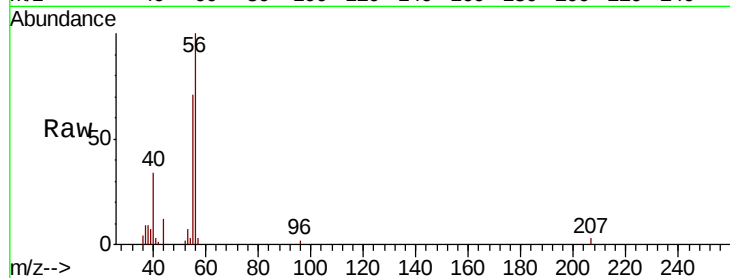
ClientSampleId :

Tot Ion: 56 Resp: 29828

Ion Ratio Lower Upper

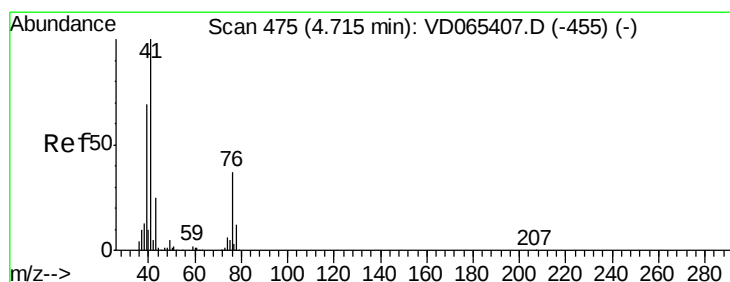
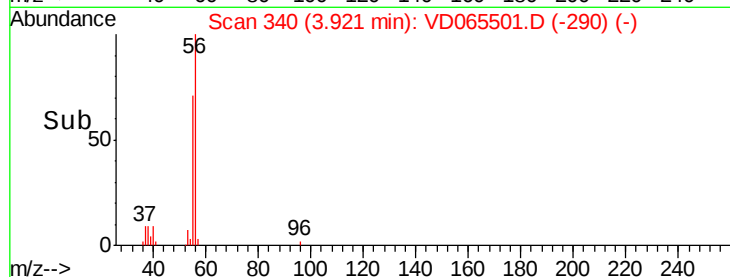
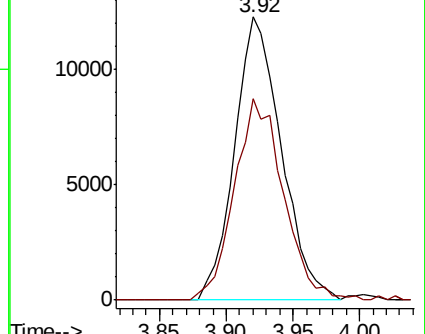
56 100

55 74.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.311 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

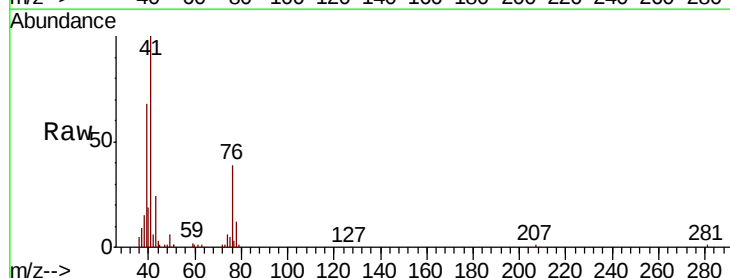
Tgt Ion: 41 Resp: 132541

Ion Ratio Lower Upper

41 100

39 65.8 52.6 79.0

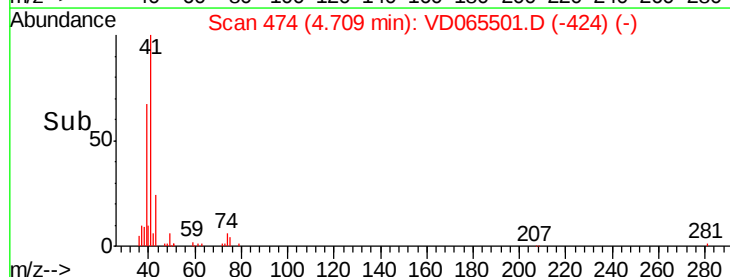
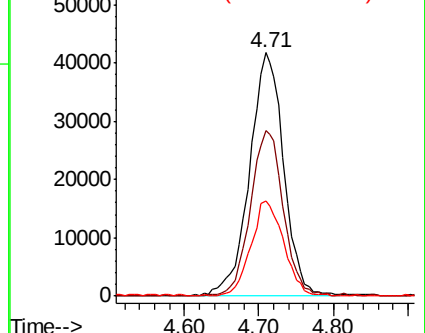
76 37.6 29.2 43.8

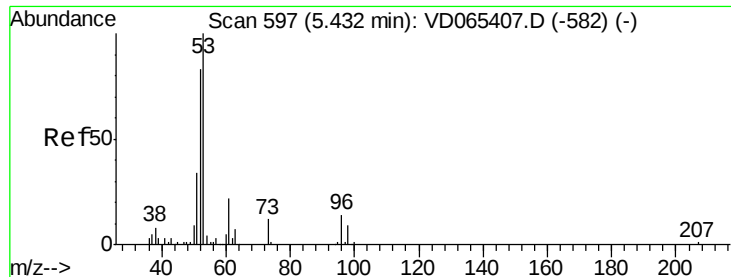


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 103.751 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

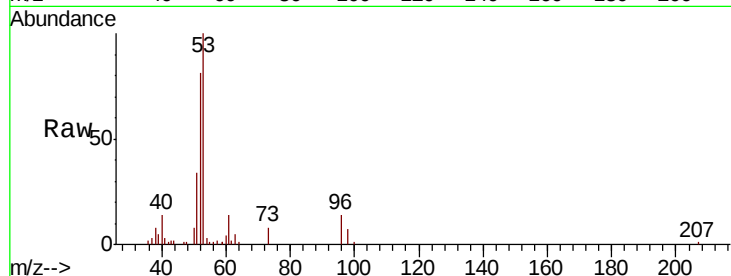
Tot Ion: 53 Resp: 92458

Ion Ratio Lower Upper

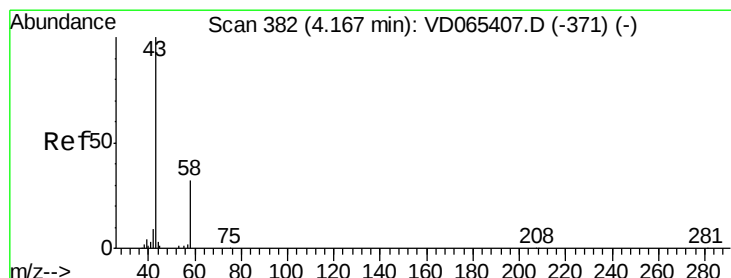
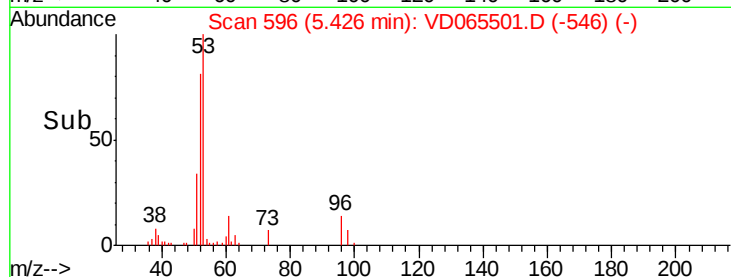
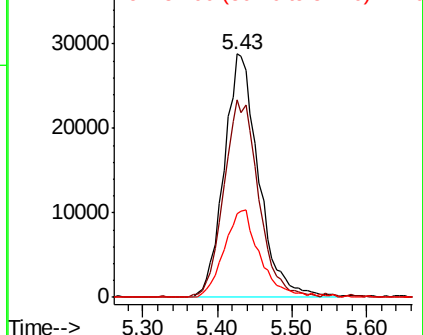
53 100

52 81.7 65.1 97.7

51 37.5 28.5 42.7



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: 98.904 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065501.D

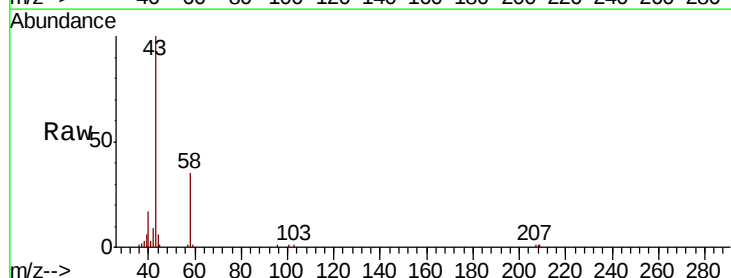
Acq: 13 Mar 2020 12:37

Tgt Ion: 43 Resp: 78373

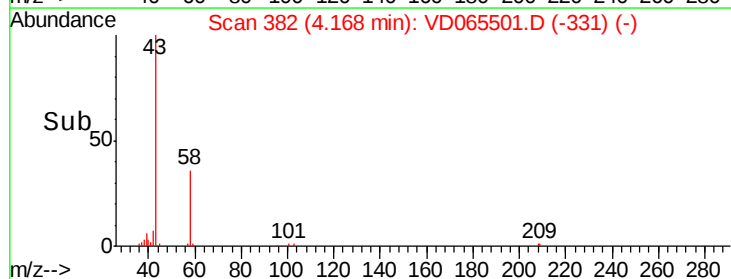
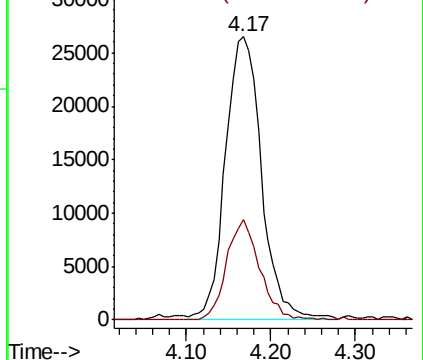
Ion Ratio Lower Upper

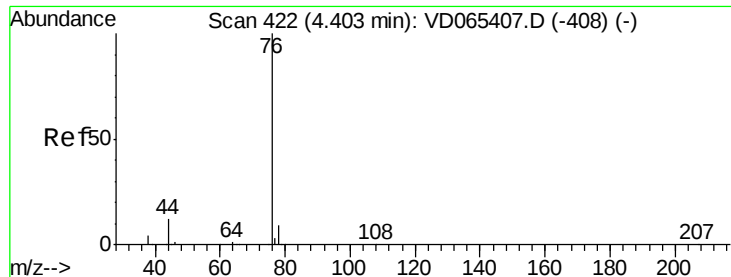
43 100

58 35.5 25.1 37.7



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

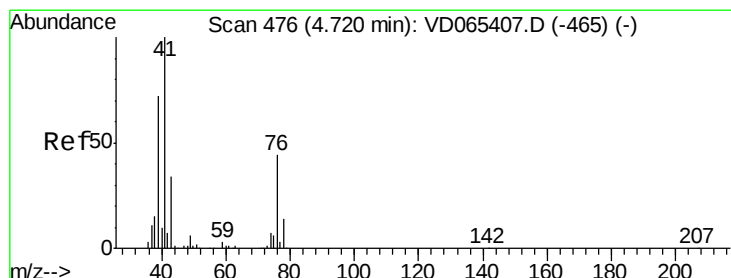
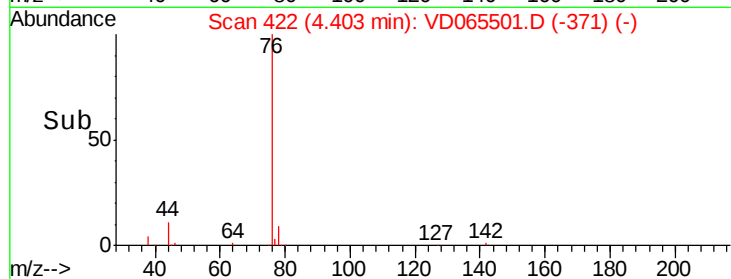
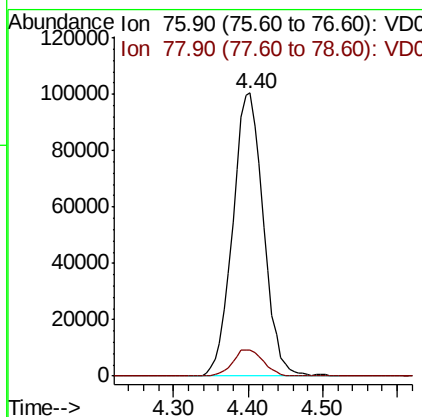
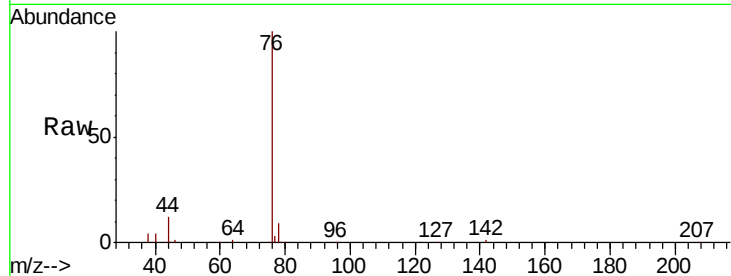




#17
Carbon Disulfide
Concen: 20.277 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

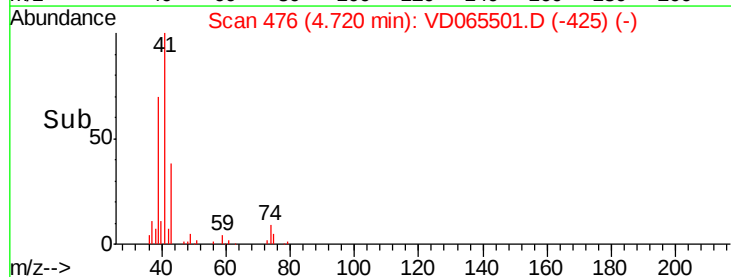
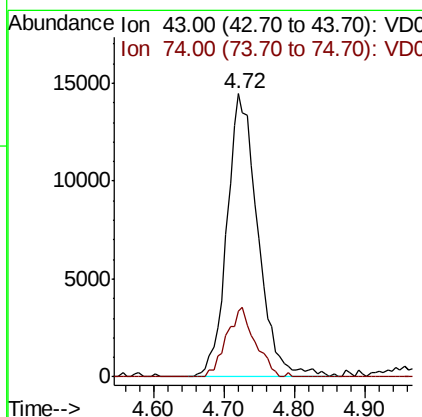
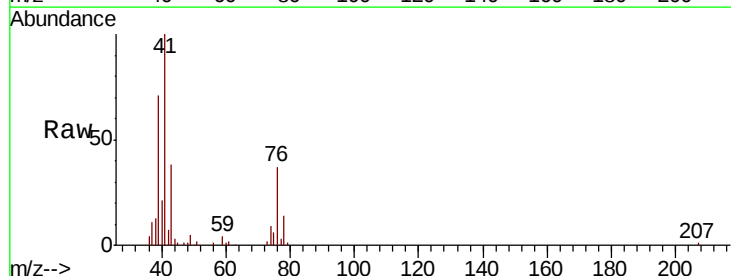
Instrument :
MSVOA_D
ClientSampleId :

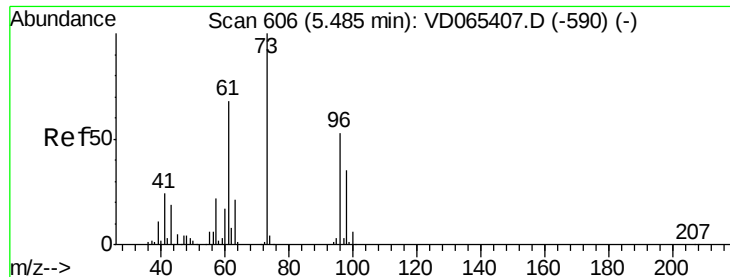
Tot Ion: 76 Resp: 286855
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 21.873 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion: 43 Resp: 43966
Ion Ratio Lower Upper
43 100
74 22.5 19.6 29.4

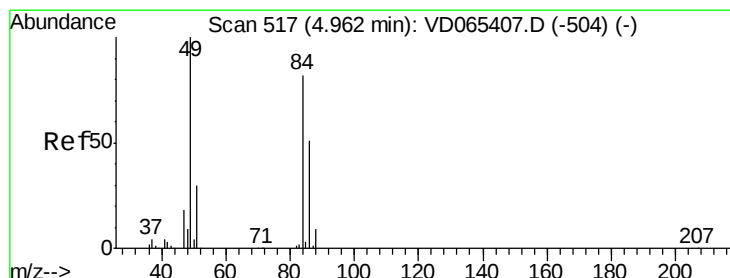
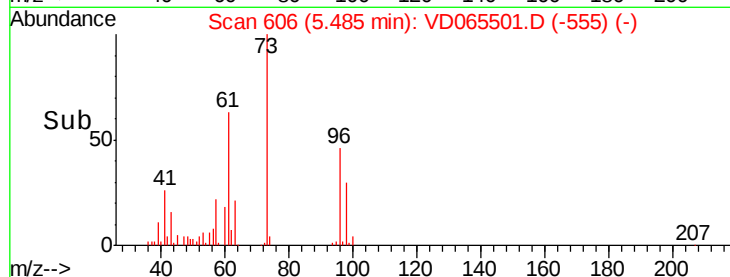
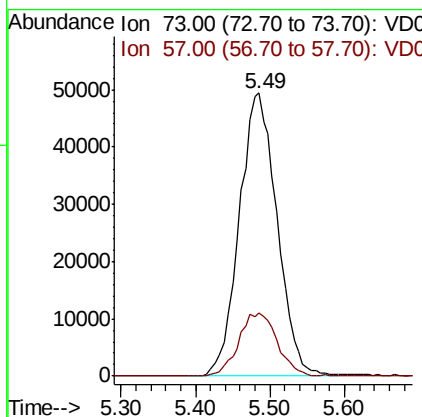
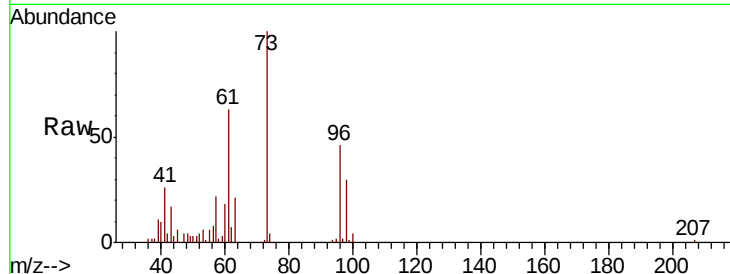




#19
Methyl tert-butyl Ether
Concen: 21.254 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

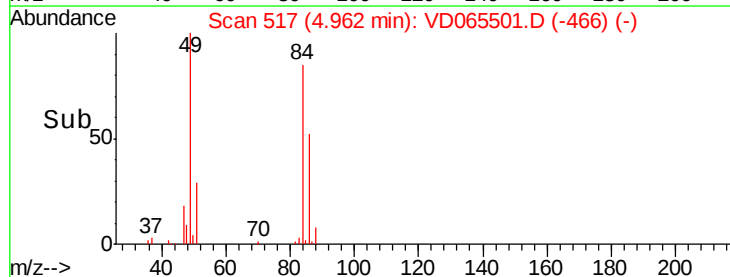
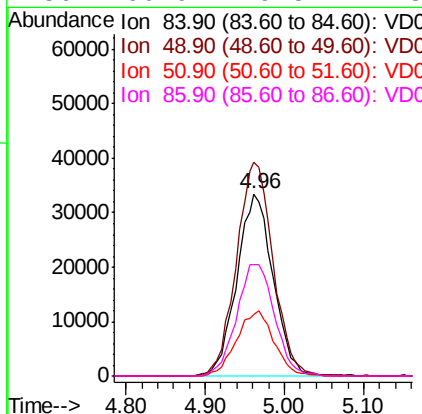
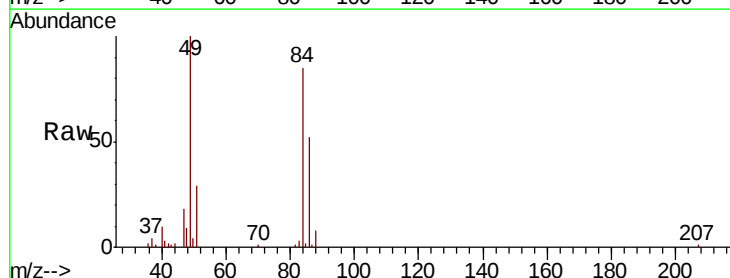
Instrument :
MSVOA_D
ClientSampled :

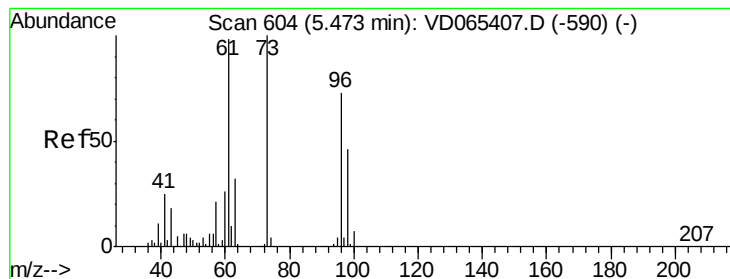
Tot Ion: 73 Resp: 173630
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9



#20
Methylene Chloride
Concen: 22.820 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion: 84 Resp: 106282
Ion Ratio Lower Upper
84 100
49 117.2 97.7 146.5
51 34.0 28.8 43.2
86 60.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.299 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampled :

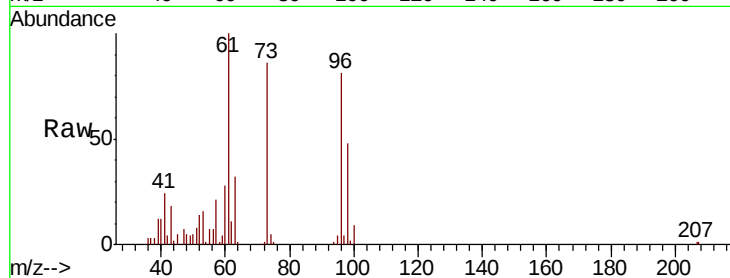
Tot Ion: 96 Resp: 100651

Ion Ratio Lower Upper

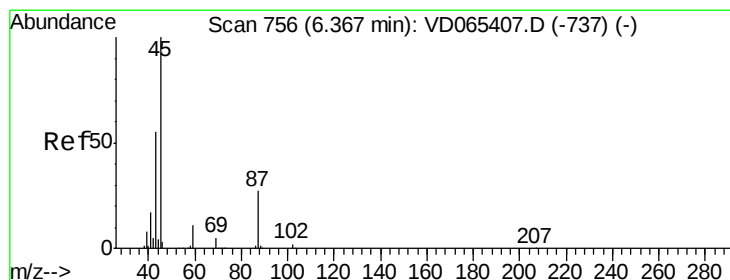
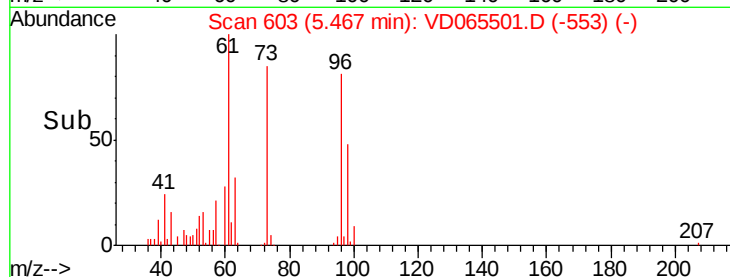
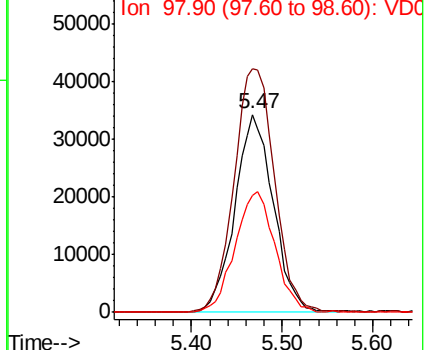
96 100

61 123.2 106.3 159.5

98 59.4 50.2 75.4



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



#22

Diisopropyl ether

Concen: 22.655 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Tgt Ion: 45 Resp: 274832

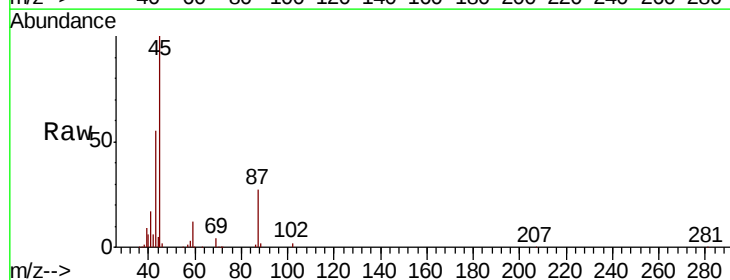
Ion Ratio Lower Upper

45 100

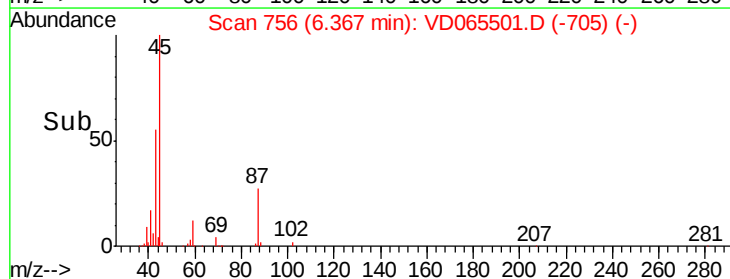
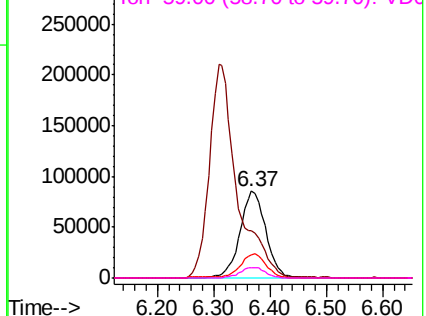
43 54.1 44.4 66.6

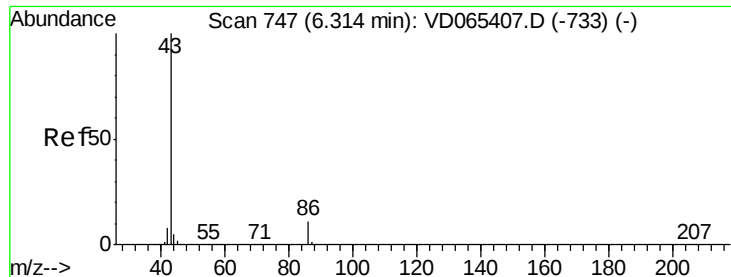
87 26.7 21.9 32.9

59 12.3 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 106.319 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

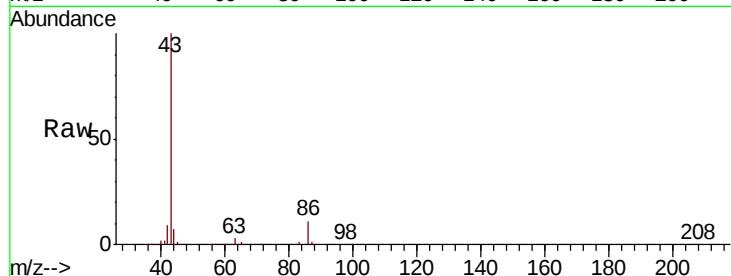
ClientSampleId :

Tot Ion: 43 Resp: 716130

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

6.31

200000

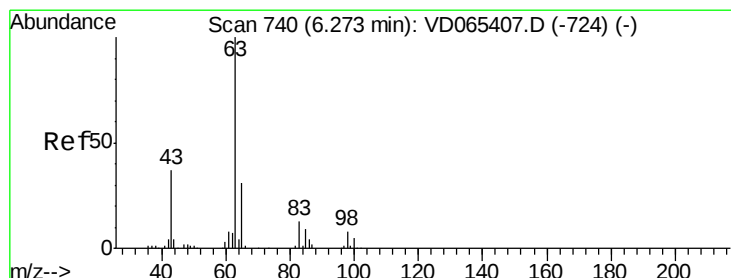
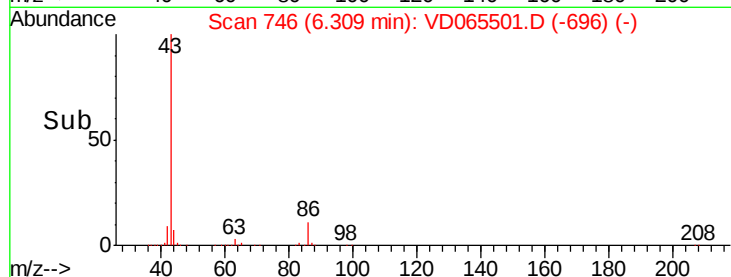
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.913 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

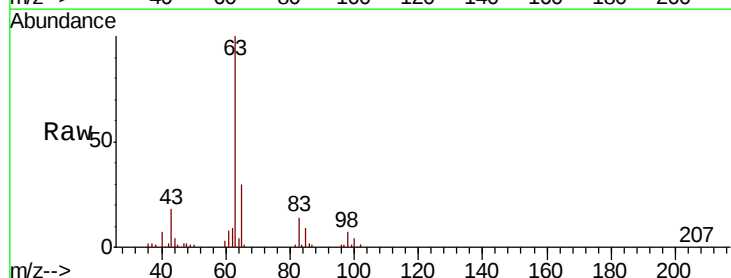
Tgt Ion: 63 Resp: 170505

Ion Ratio Lower Upper

63 100

98 7.0 4.2 12.6

100 4.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

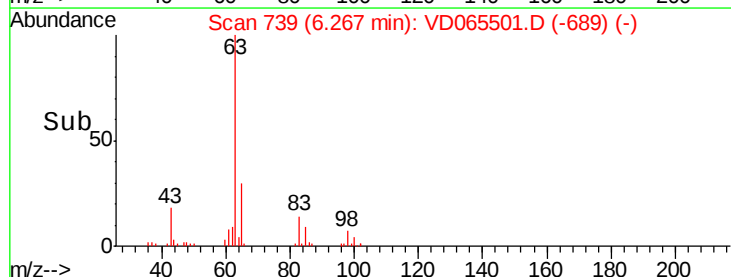
60000

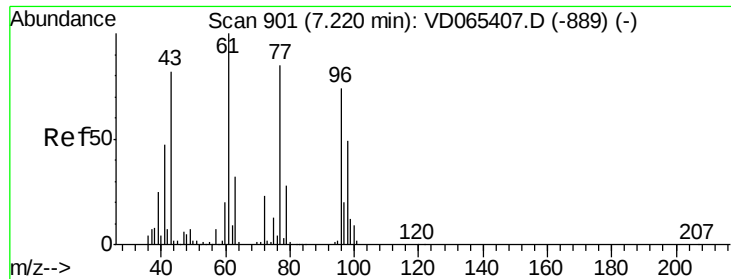
40000

20000

0

Time-->





#25

2-Butanone

Concen: 101.171 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

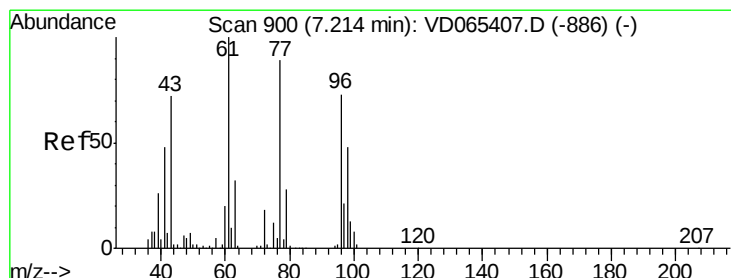
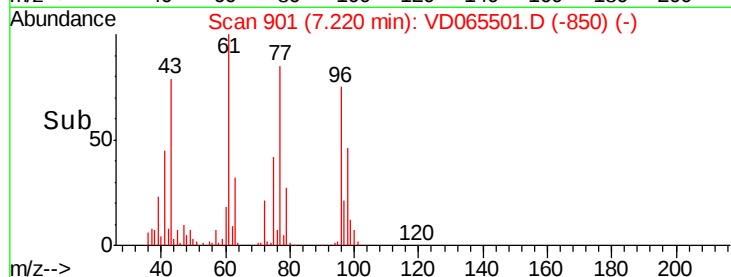
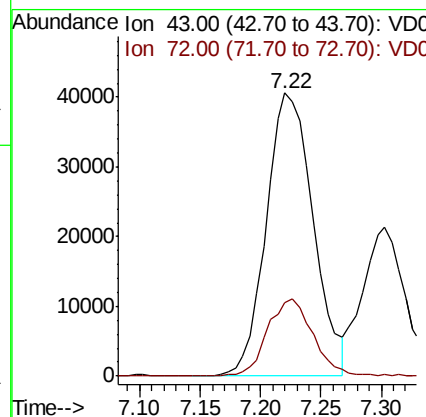
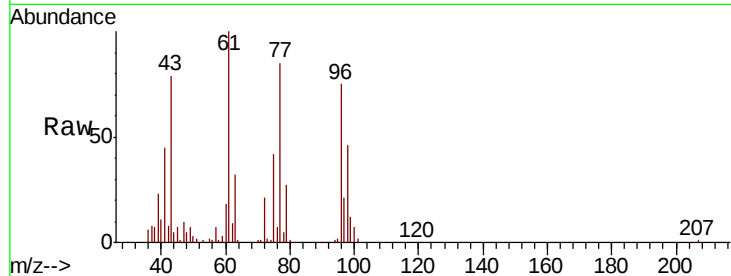
ClientSampleId :

Tot Ion: 43 Resp: 109403

Ion Ratio Lower Upper

43 100

72 26.1 22.3 33.5



#26

2,2-Dichloropropane

Concen: 21.412 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065501.D

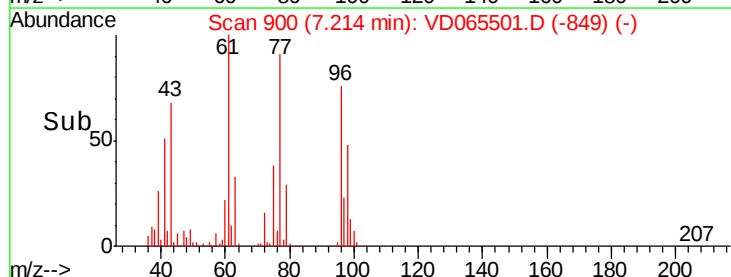
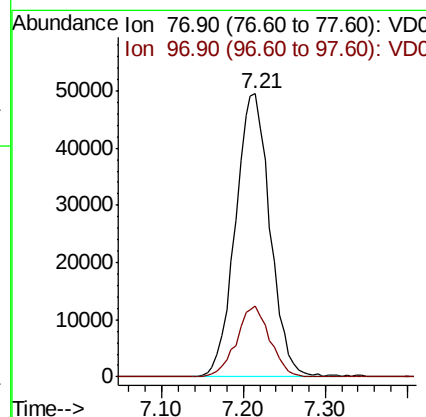
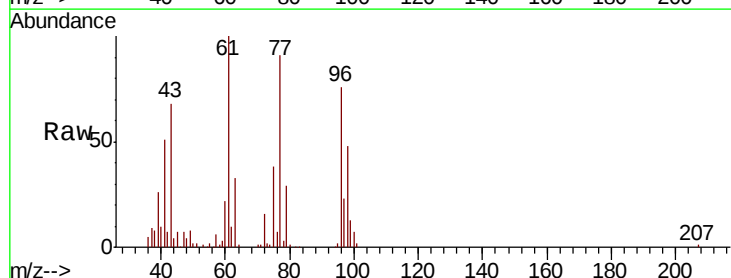
Acq: 13 Mar 2020 12:37

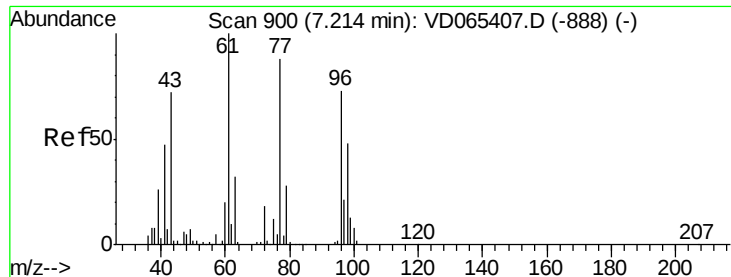
Tgt Ion: 77 Resp: 145594

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.4



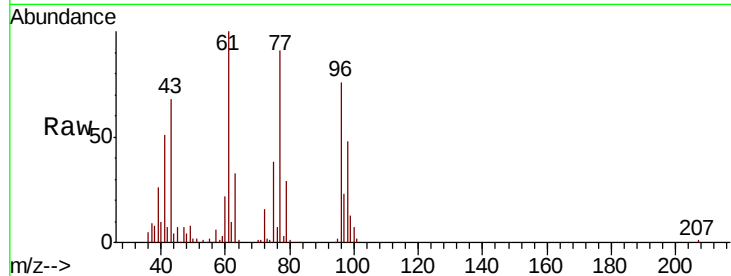


#27

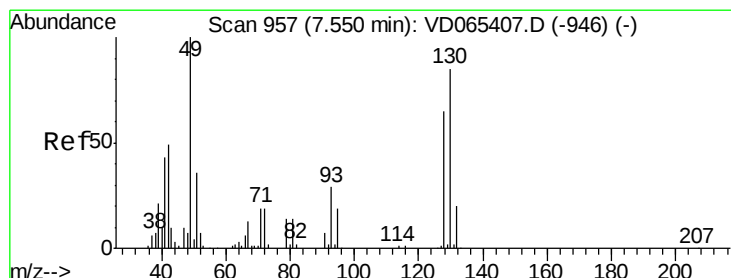
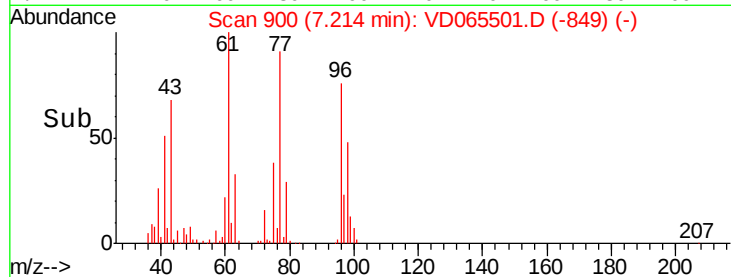
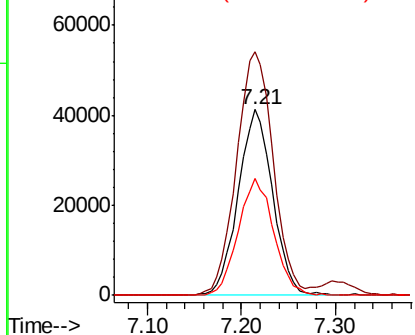
cis-1,2-Dichloroethene
 Concen: 21.799 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 96 Resp: 105294
 Ion Ratio Lower Upper
 96 100
 61 139.3 0.0 280.4
 98 64.5 0.0 132.6



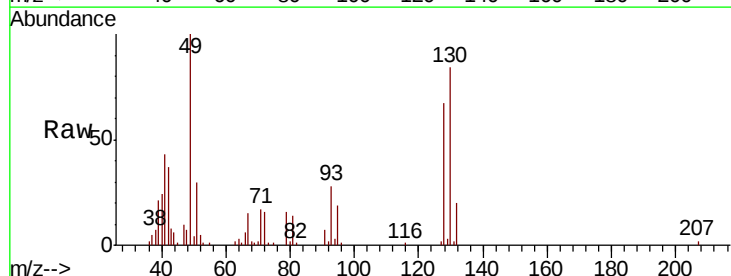
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



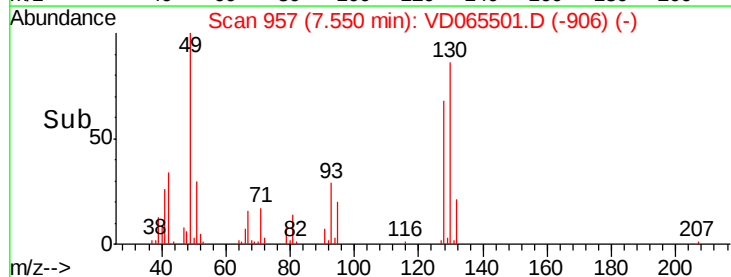
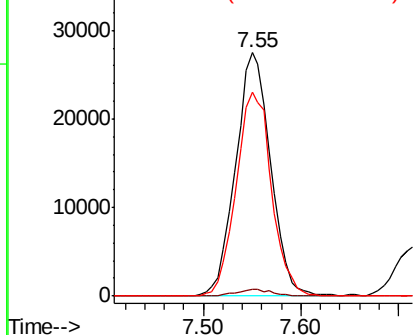
#28

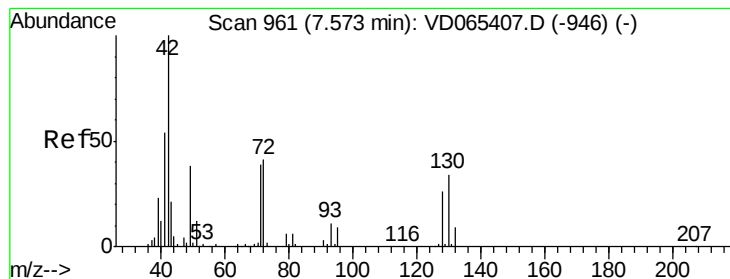
Bromochloromethane
 Concen: 22.135 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Tgt Ion: 49 Resp: 68908
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 4.6
 130 84.4 66.6 100.0



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





#29

Tetrahydrofuran

Concen: 101.506 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampled :

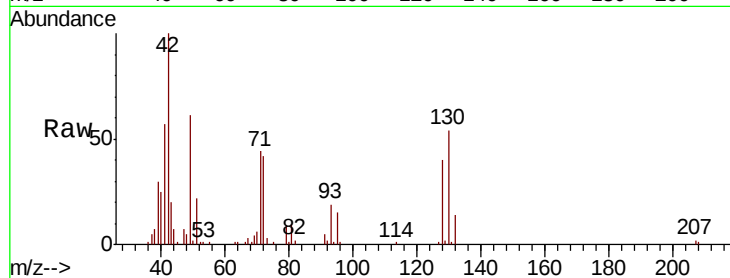
Tot Ion: 42 Resp: 70097

Ion Ratio Lower Upper

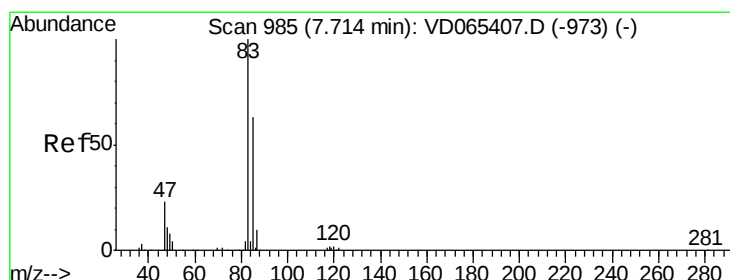
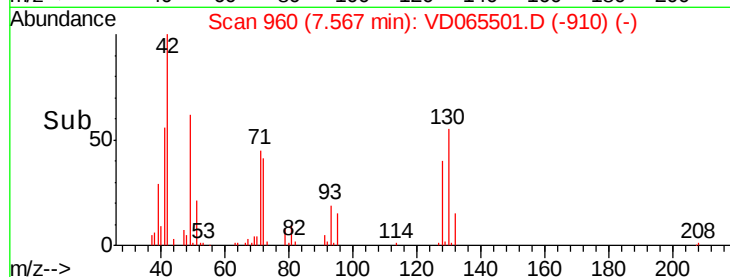
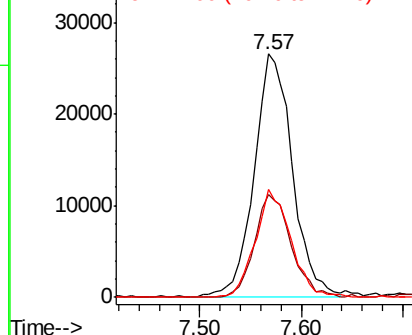
42 100

72 40.4 33.0 49.6

71 41.3 32.0 48.0



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: 22.519 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065501.D

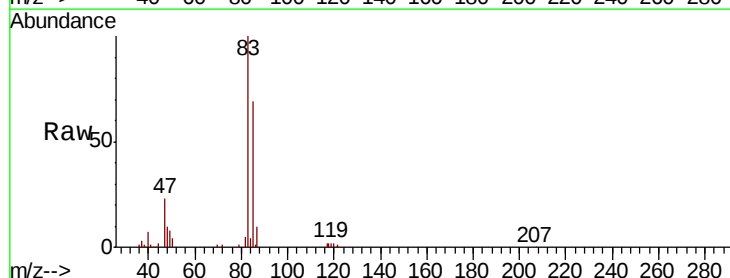
Acq: 13 Mar 2020 12:37

Tgt Ion: 83 Resp: 175131

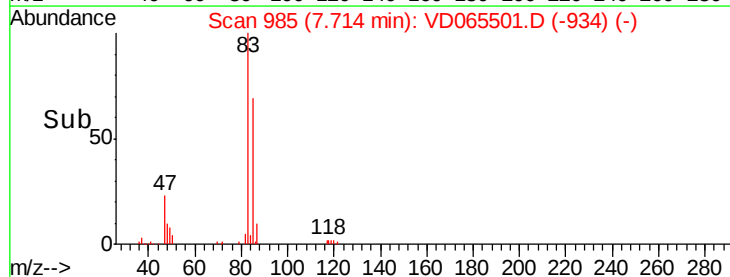
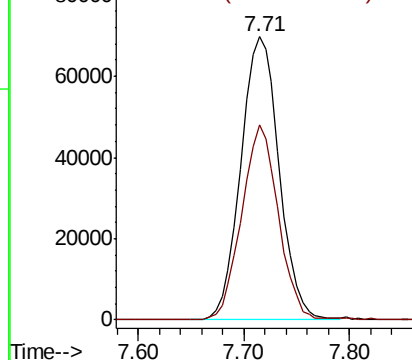
Ion Ratio Lower Upper

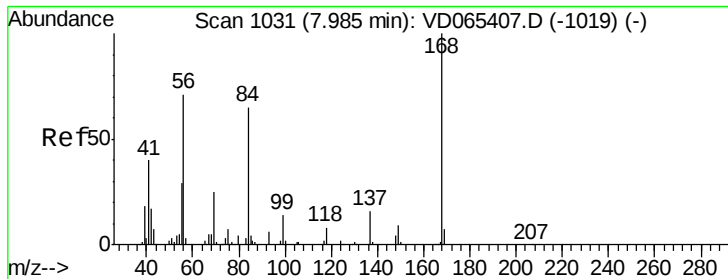
83 100

85 68.9 50.3 75.5



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

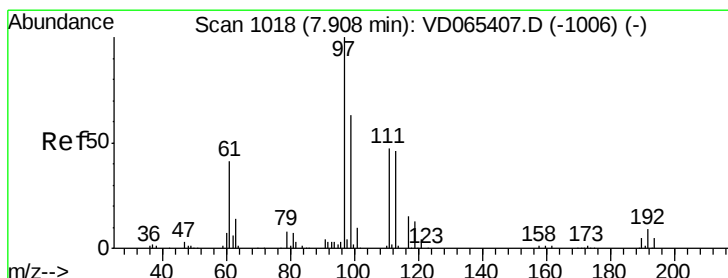
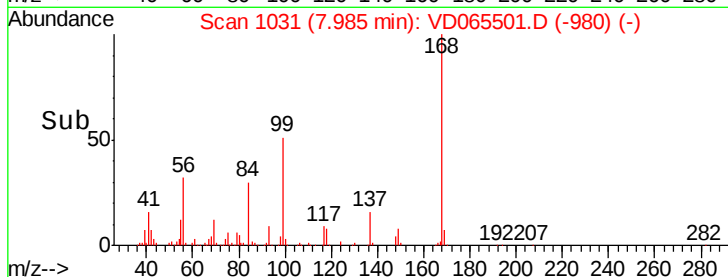
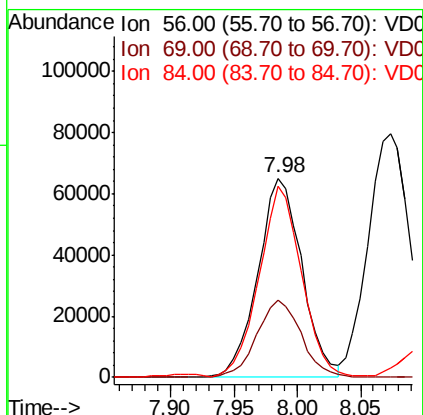
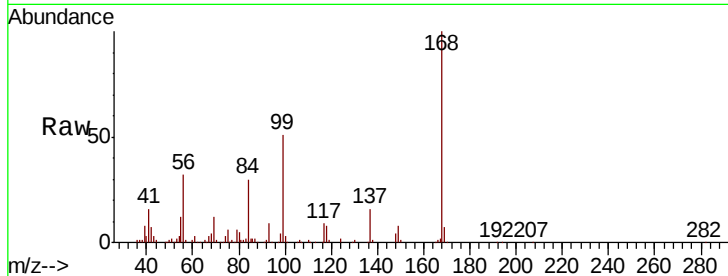




#31
Cyclohexane
Concen: 20.237 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

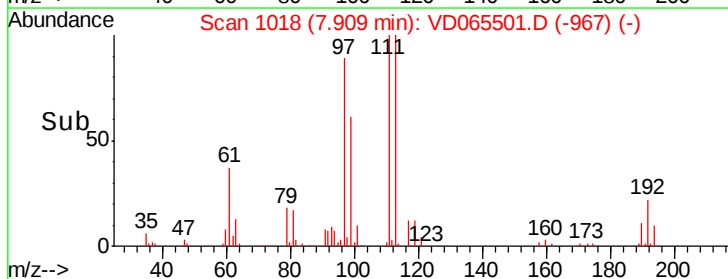
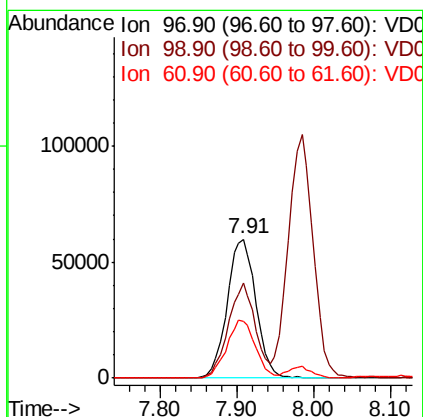
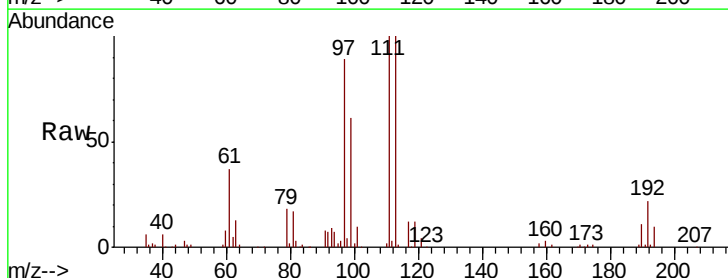
Instrument :
MSVOA_D
ClientSampled :

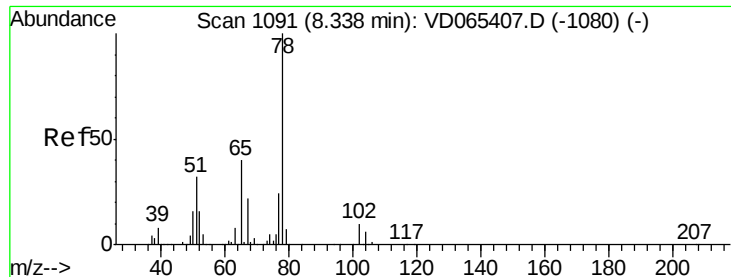
Tot Ion: 56 Resp: 157450
Ion Ratio Lower Upper
56 100
69 38.9 28.3 42.5
84 94.7 73.1 109.7



#32
1,1,1-Trichloroethane
Concen: 21.669 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion: 97 Resp: 155739
Ion Ratio Lower Upper
97 100
99 64.7 50.9 76.3
61 41.8 33.2 49.8





#33

1,2-Dichloroethane-d4

Concen: 50.122 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

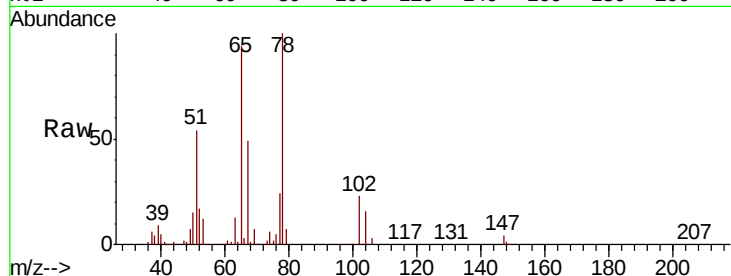
ClientSampleId :

Tot Ion: 65 Resp: 196388

Ion Ratio Lower Upper

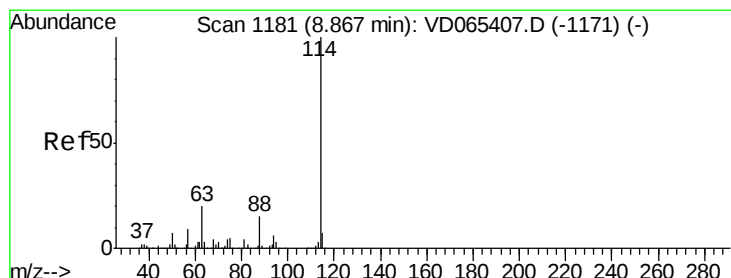
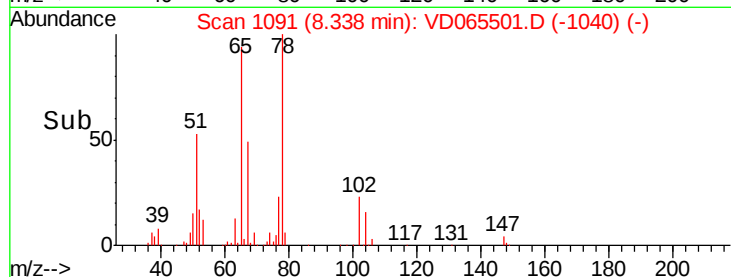
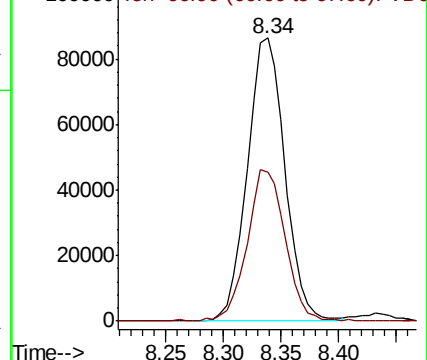
65 100

67 53.9 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

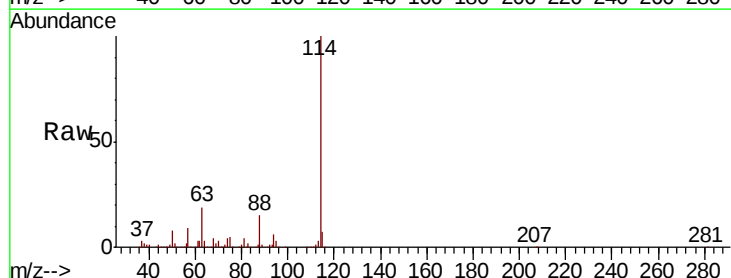
Tgt Ion: 114 Resp: 663816

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

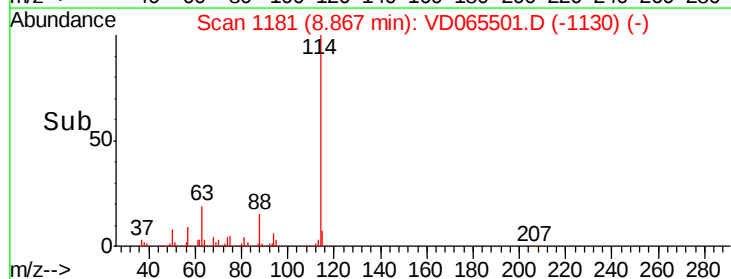
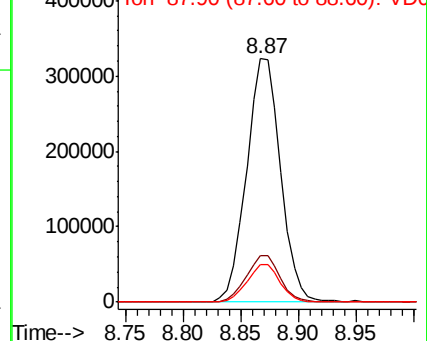
88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

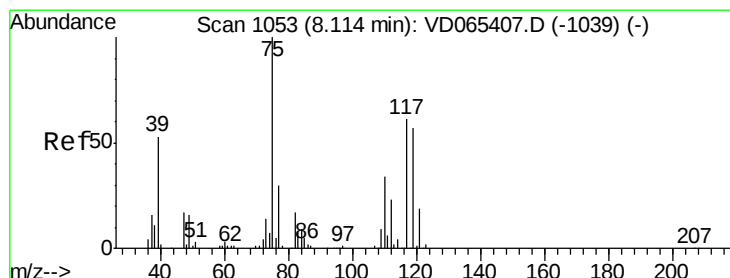
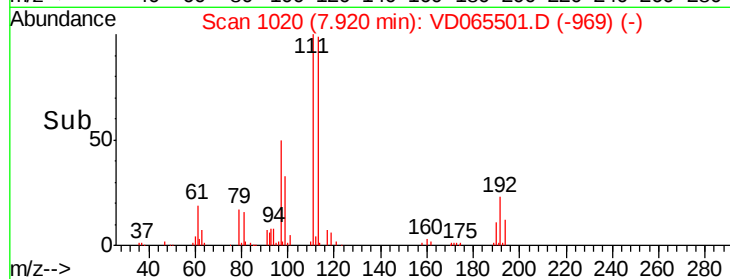
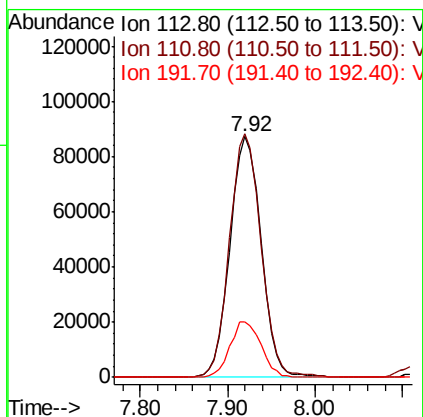
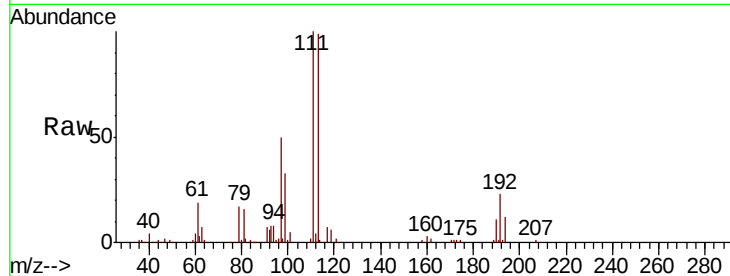




#35
 Dibromofluoromethane
 Concen: 51.445 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

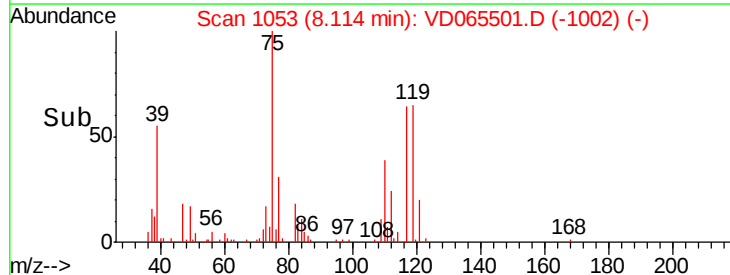
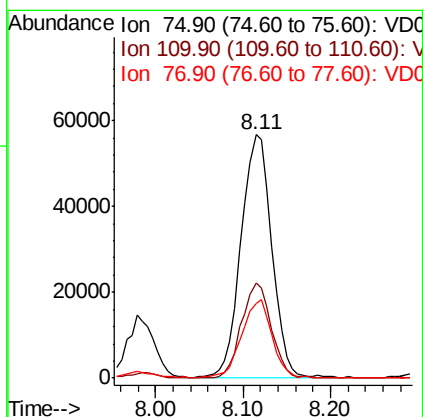
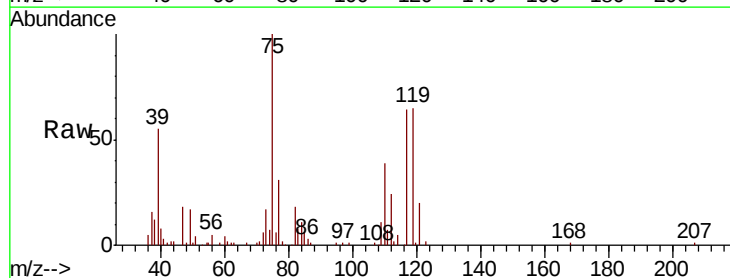
Instrument :
 MSVOA_D
 ClientSampled :

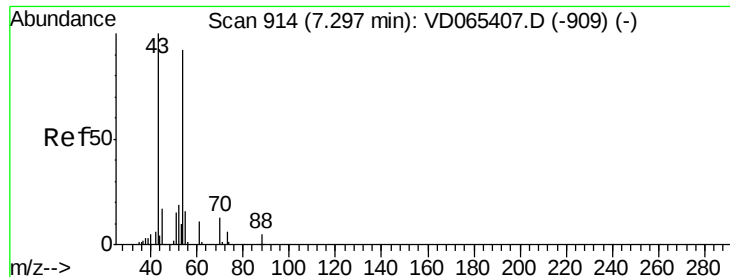
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.1	123.1
192	23.0	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 21.305 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.1	54.1
77	31.7	25.2	37.8

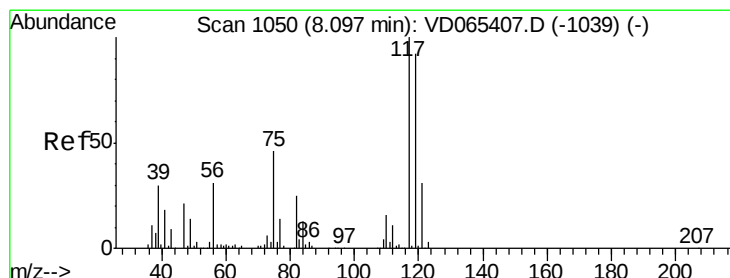
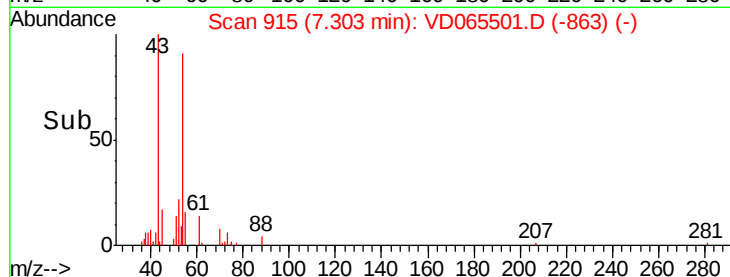
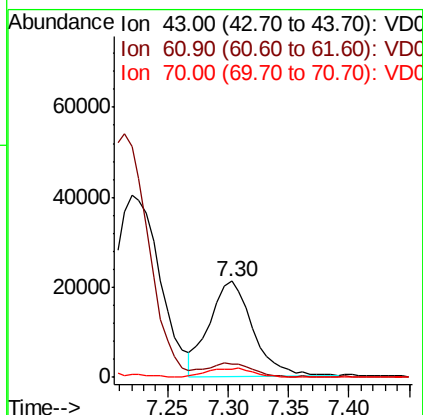
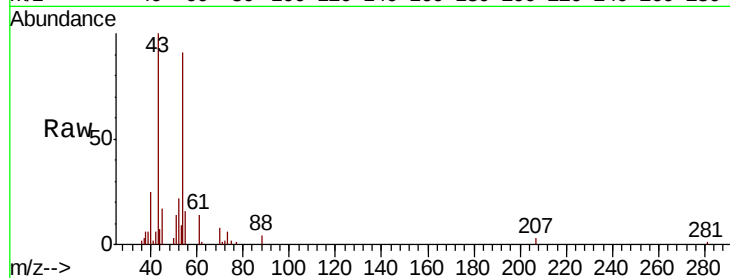




#37
Ethyl Acetate
Concen: 21.463 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

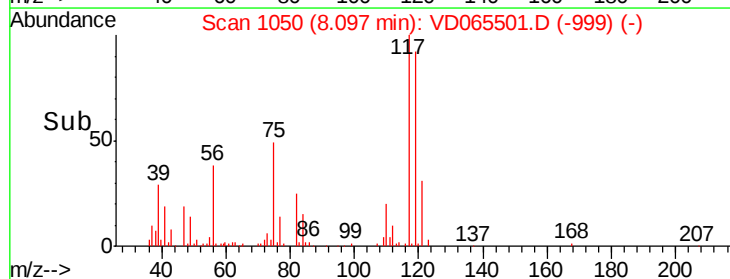
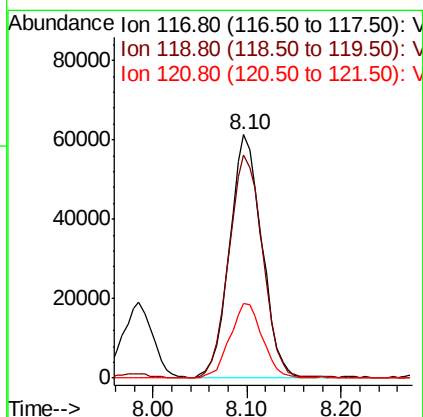
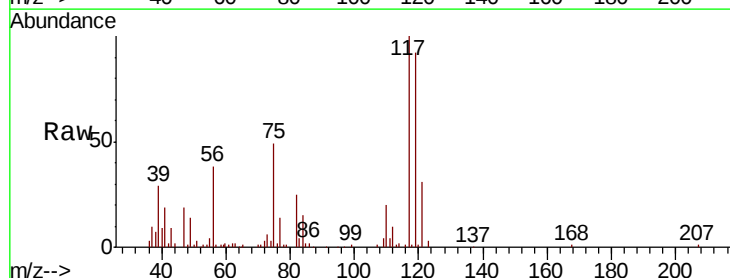
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 52786
Ion Ratio Lower Upper
43 100
61 15.4 11.4 17.0
70 10.0 9.0 13.4



#38
Carbon Tetrachloride
Concen: 22.010 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion: 117 Resp: 145231
Ion Ratio Lower Upper
117 100
119 91.5 73.3 109.9
121 30.8 25.0 37.4

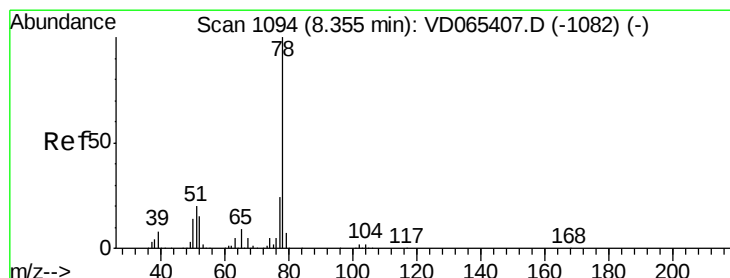
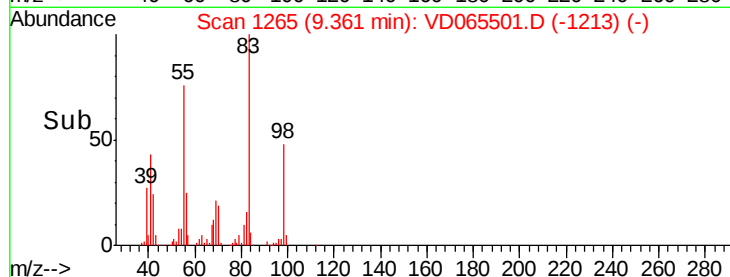
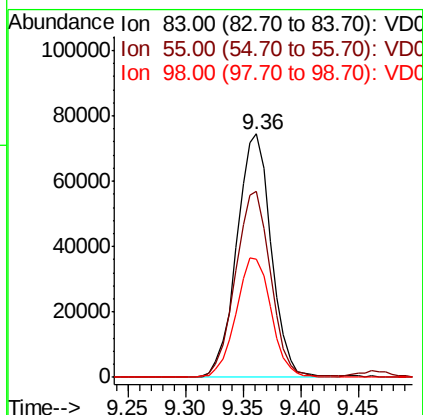
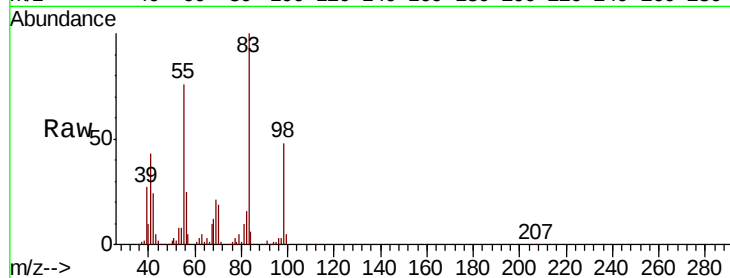




#39
Methvlcvclohexane
Concen: 20.097 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

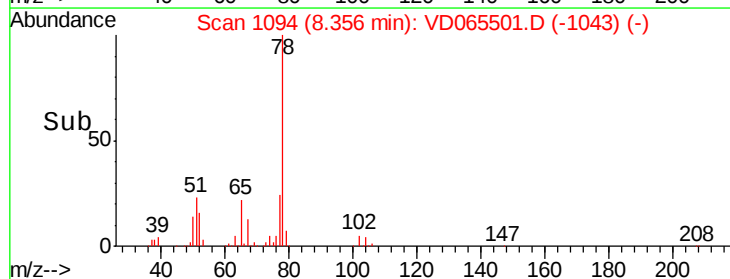
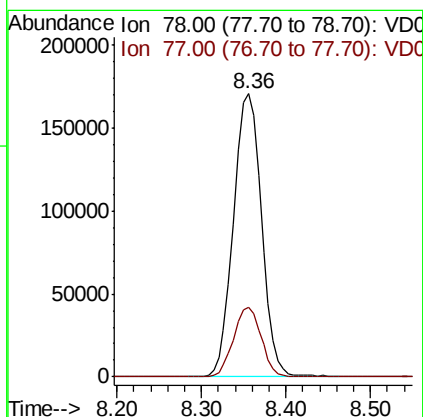
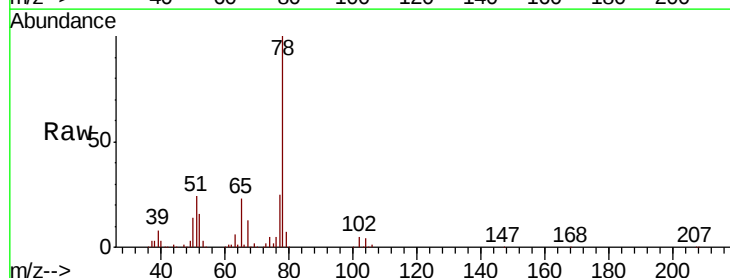
Instrument :
MSVOA_D
ClientSampled :

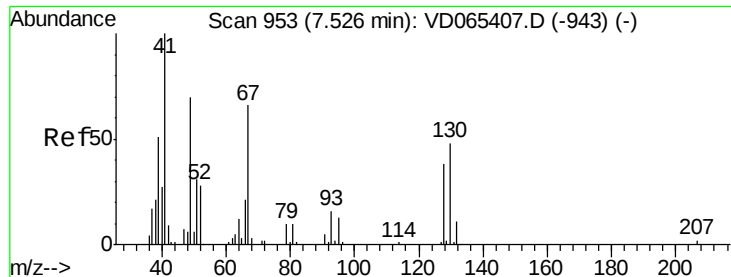
Tot Ion: 83 Resp: 154453
Ion Ratio Lower Upper
83 100
55 76.2 57.1 85.7
98 48.4 37.8 56.8



#40
Benzene
Concen: 22.074 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion: 78 Resp: 392718
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0





#41

Methacrylonitrile

Concen: 21.104 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 27449

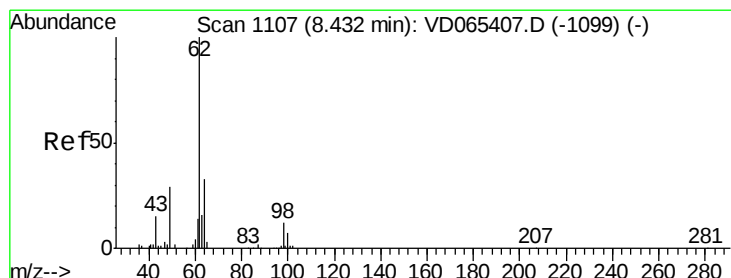
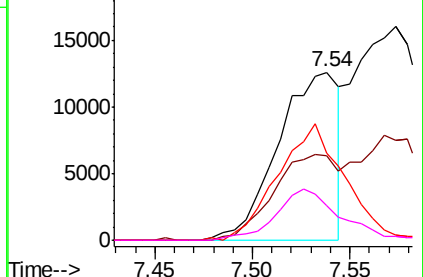
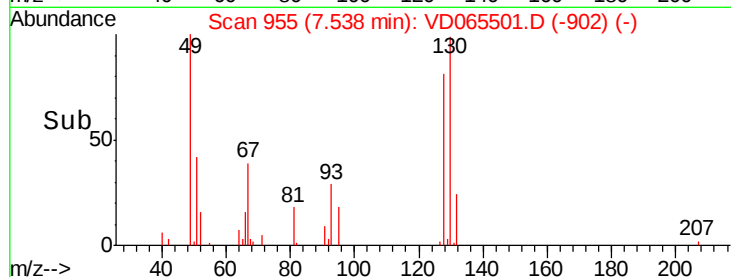
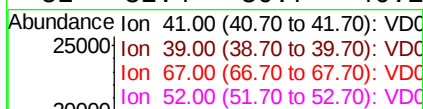
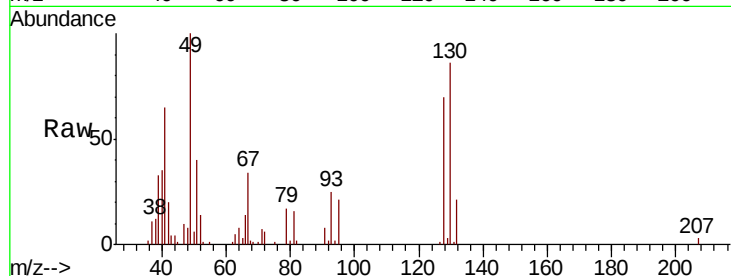
Ion Ratio Lower Upper

41 100

39 53.2 55.0 82.6#

67 75.9 70.3 105.5

52 32.4 30.7 46.1



#42

1,2-Dichloroethane

Concen: 22.736 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD065501.D

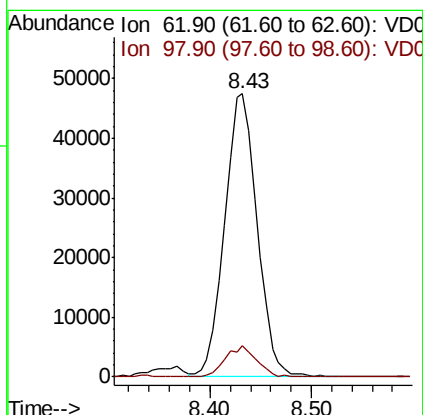
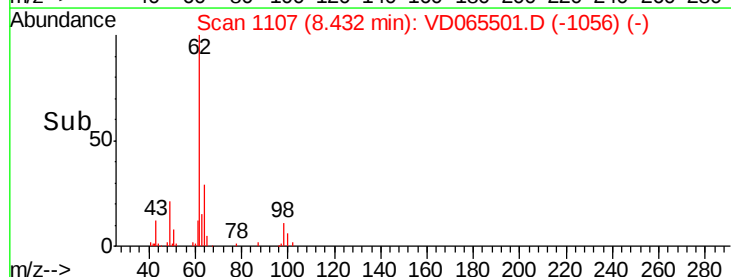
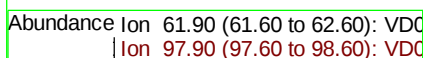
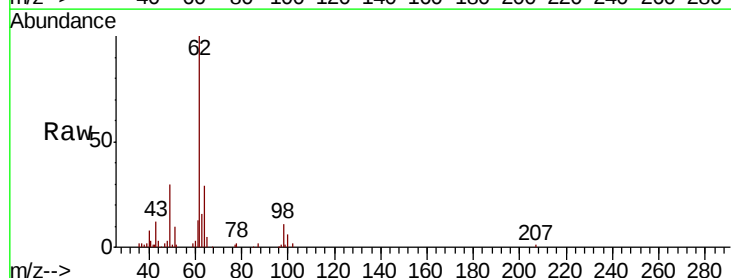
Acq: 13 Mar 2020 12:37

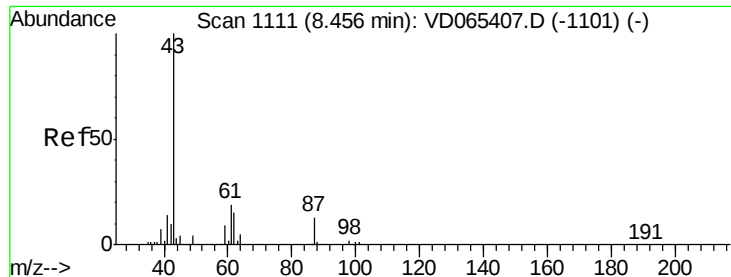
Tgt Ion: 62 Resp: 105626

Ion Ratio Lower Upper

62 100

98 10.5 0.0 21.4

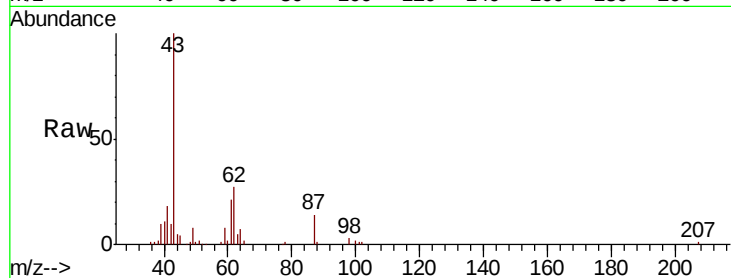




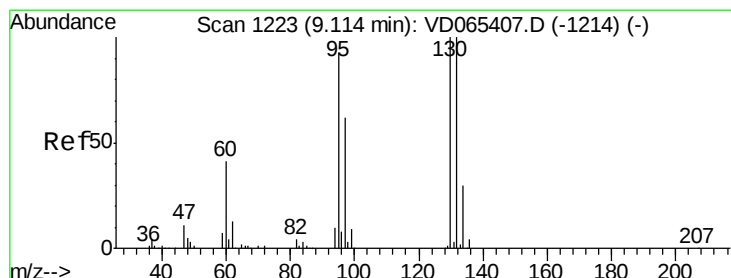
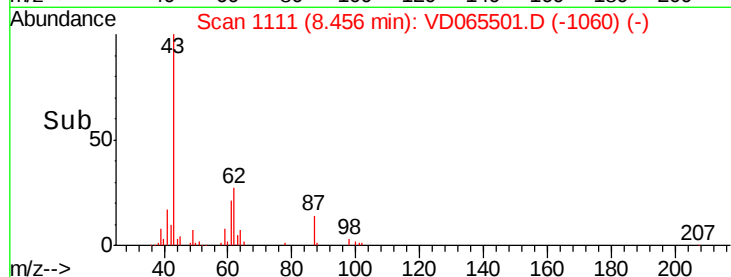
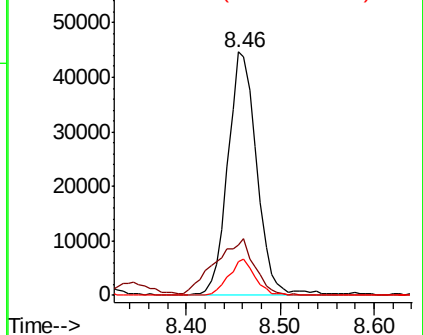
#43
Isopropyl Acetate
Concen: 21.113 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	43	Resp	95877
Ion Ratio	Lower	Upper	
43	100		
61	31.5	25.0	37.6
87	13.3	11.0	16.4

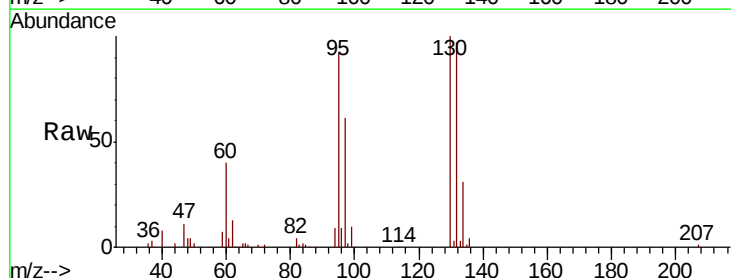


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

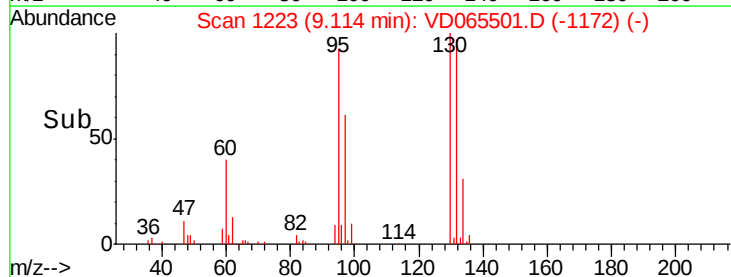
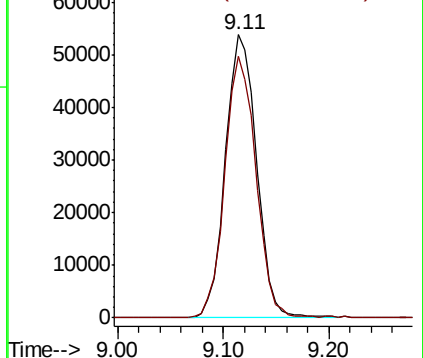


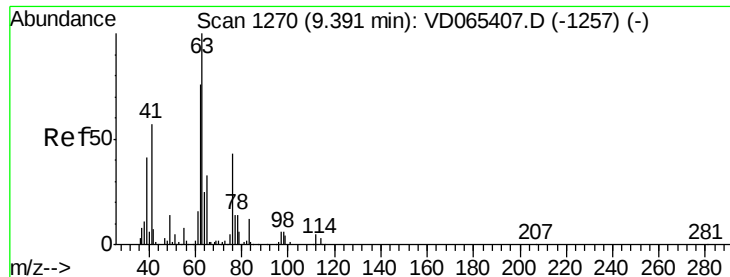
#44
Trichloroethene
Concen: 21.859 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion	130	Resp	109824
Ion Ratio	Lower	Upper	
130	100		
95	92.2	0.0	186.0



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

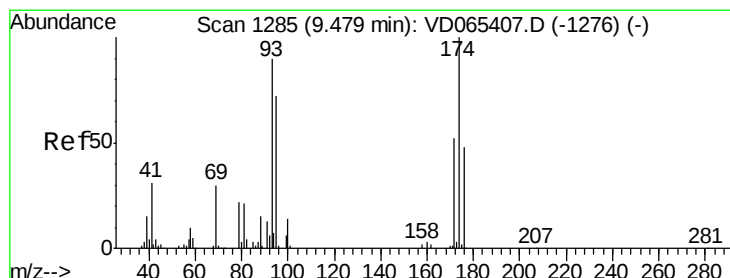
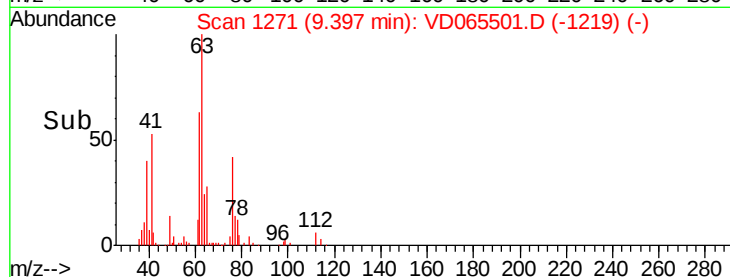
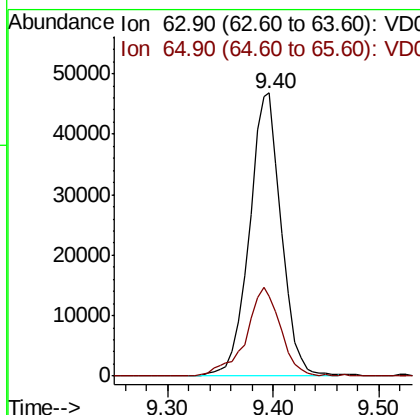
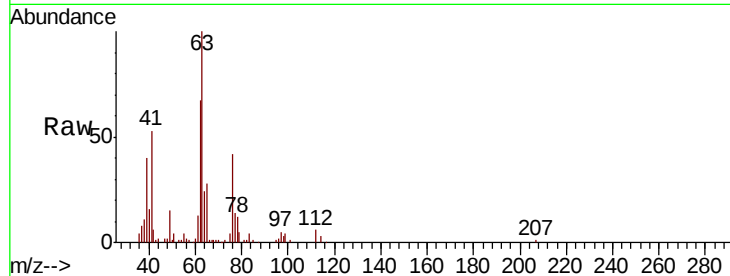




#45
 1,2-Dichloropropane
 Concen: 22.781 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

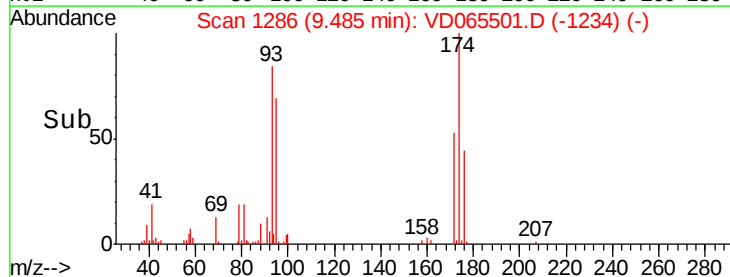
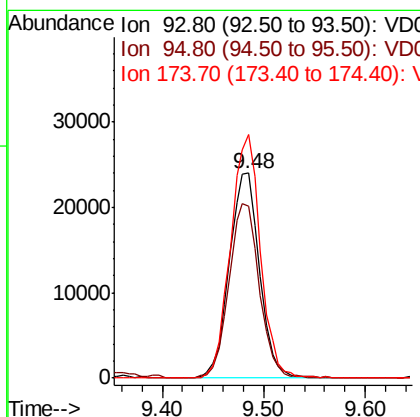
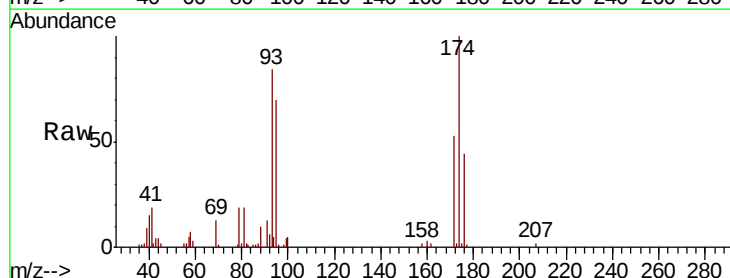
Instrument :
 MSVOA_D
 ClientSampled :

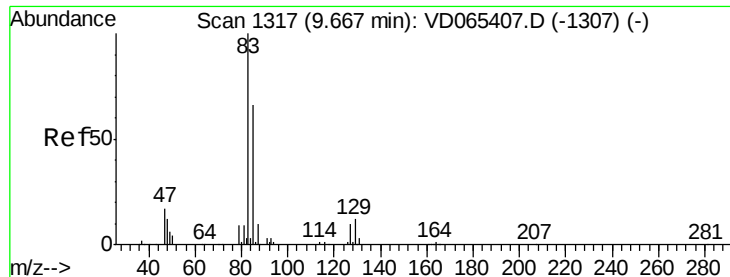
Tot Ion: 63 Resp: 98176
 Ion Ratio Lower Upper
 63 100
 65 28.3 26.4 39.6



#46
 Dibromomethane
 Concen: 22.196 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Tgt Ion: 93 Resp: 49617
 Ion Ratio Lower Upper
 93 100
 95 85.3 65.0 97.6
 174 117.1 88.3 132.5





#47

Bromodichloromethane

Concen: 22.724 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampled :

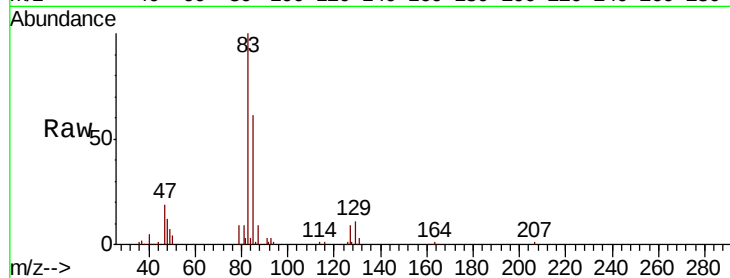
Tot Ion: 83 Resp: 132149

Ion Ratio Lower Upper

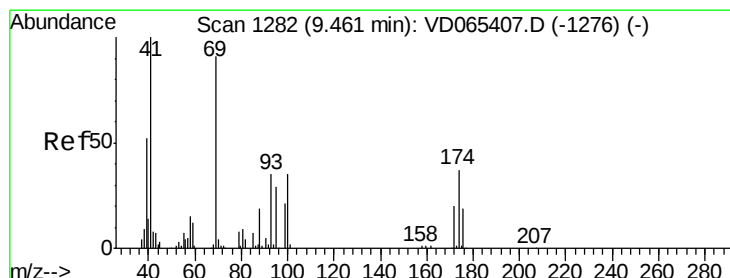
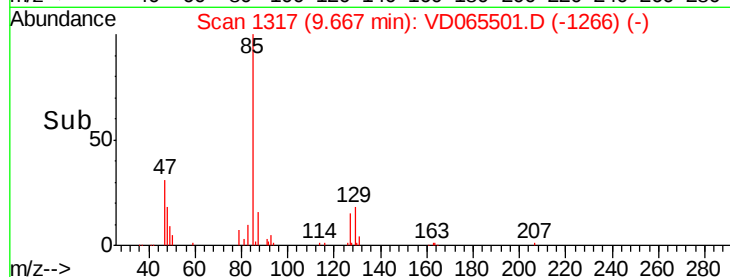
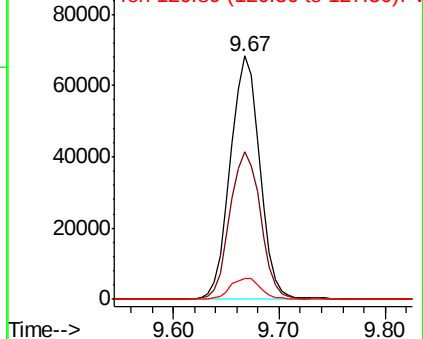
83 100

85 60.5 52.8 79.2

127 8.8 8.0 12.0



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: 20.688 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

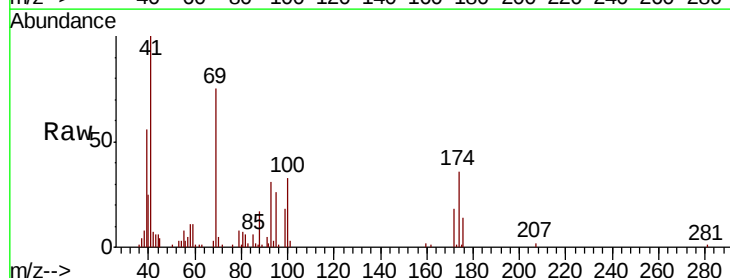
Tgt Ion: 41 Resp: 44193

Ion Ratio Lower Upper

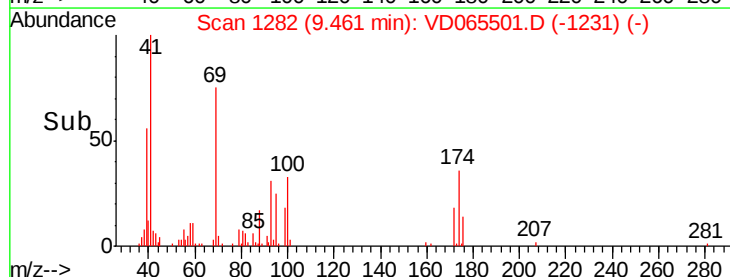
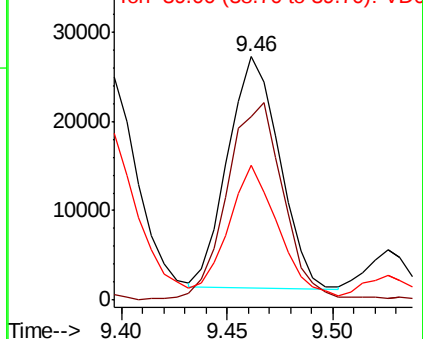
41 100

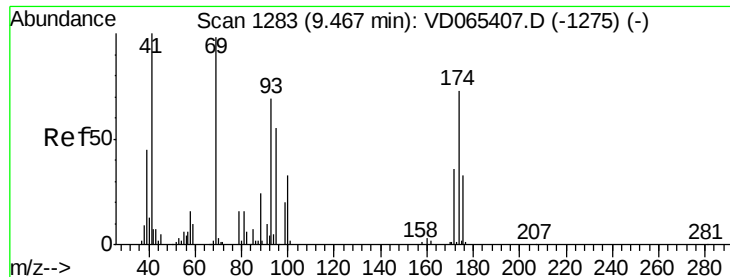
69 93.6 72.5 108.7

39 53.1 41.6 62.4



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

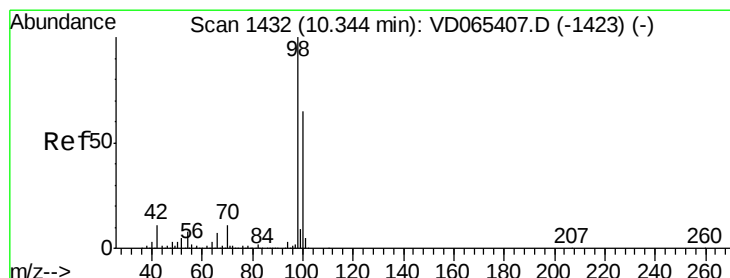
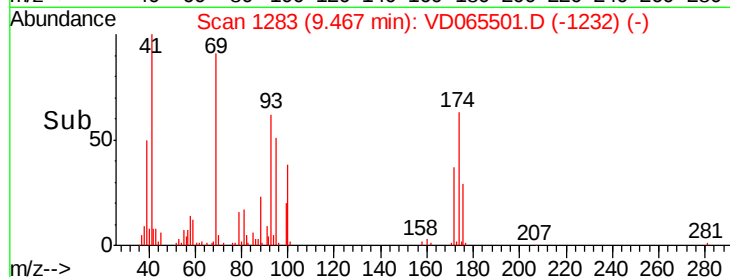
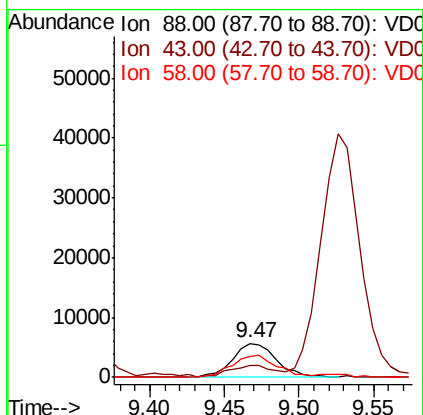
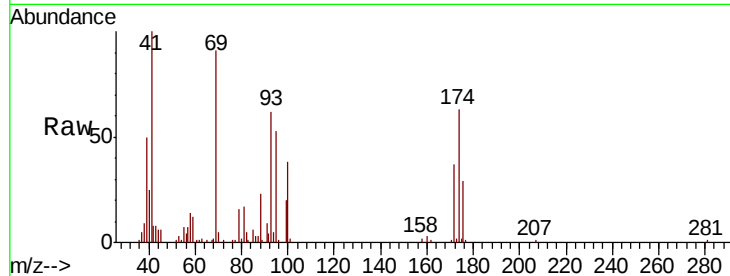




#49
1,4-Dioxane
Concen: 450.066 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

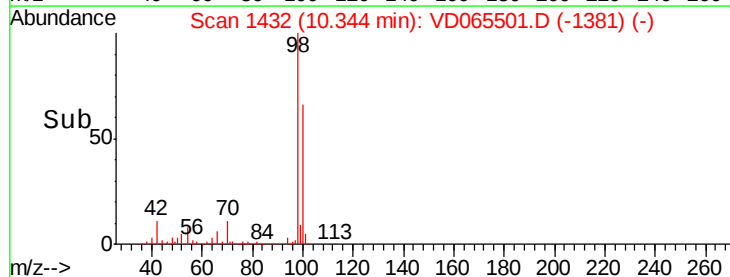
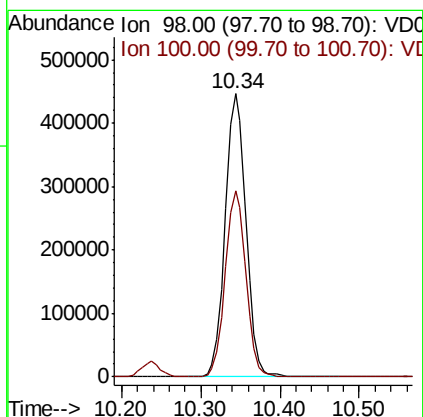
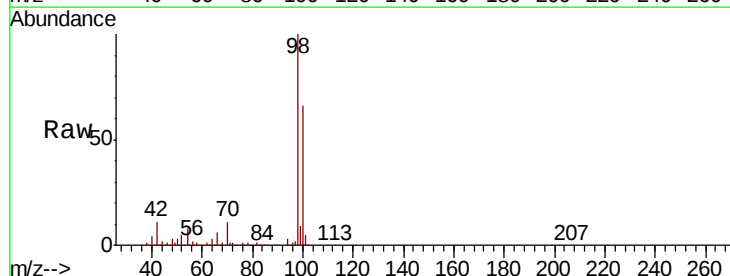
Instrument :
MSVOA_D
ClientSampled :

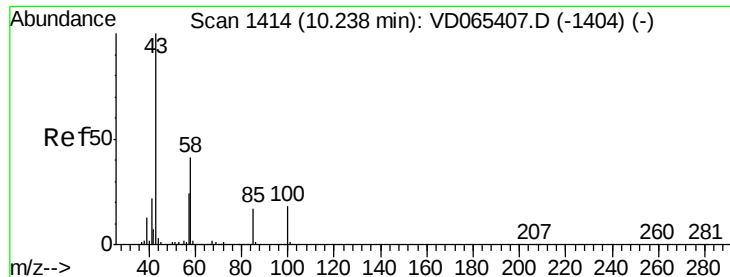
Tot Ion: 88 Resp: 11508
Ion Ratio Lower Upper
88 100
43 36.2 24.5 36.7
58 66.3 54.5 81.7



#50
Toluene-d8
Concen: 51.417 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion: 98 Resp: 809740
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2

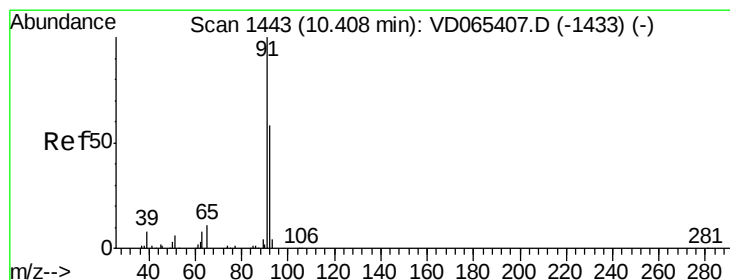
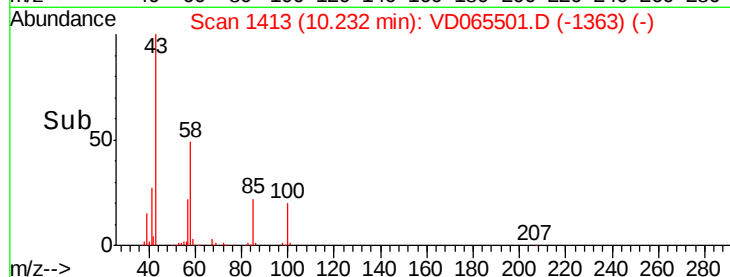
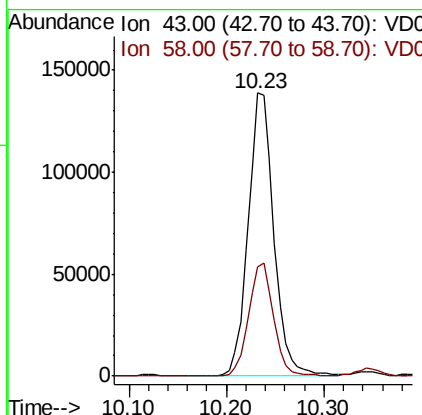
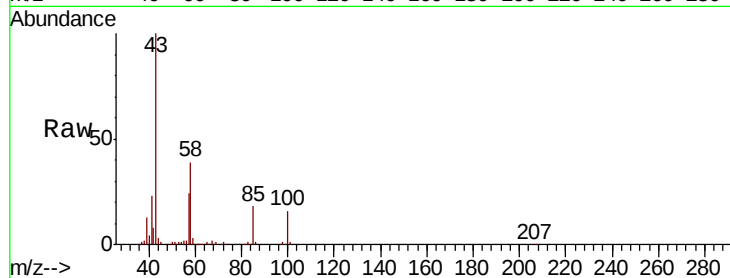




#51
4-Methyl-2-Pentanone
Concen: 112.548 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

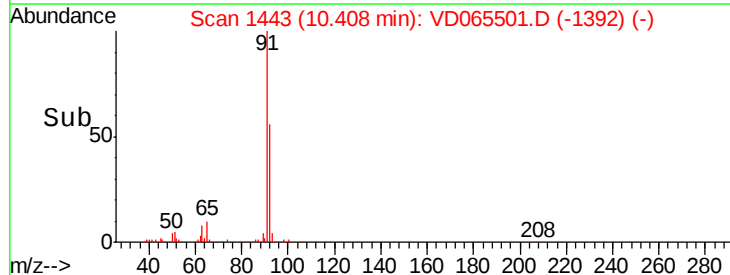
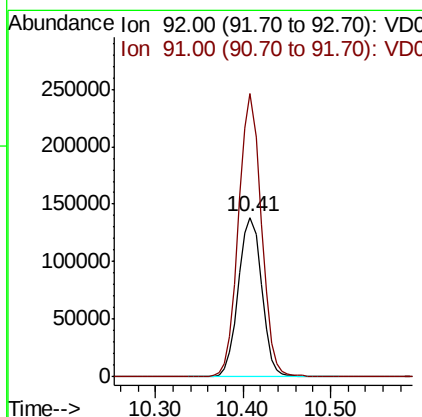
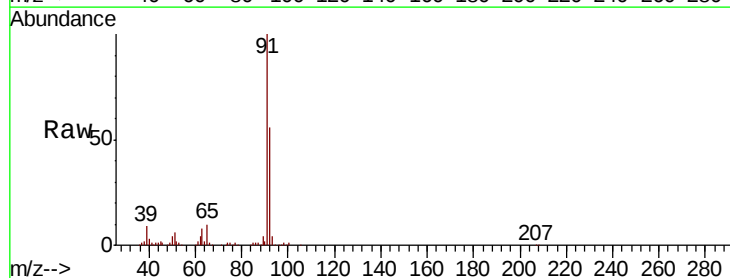
Instrument :
MSVOA_D
ClientSampleId :

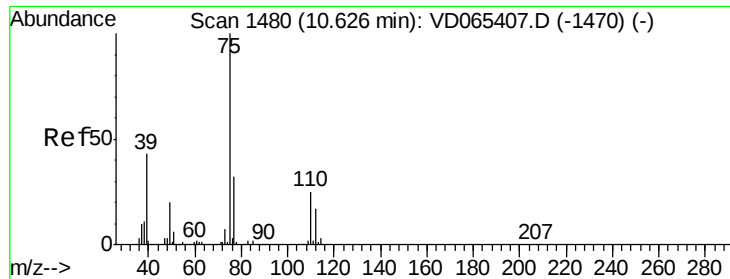
Tot Ion: 43 Resp: 257198
Ion Ratio Lower Upper
43 100
58 38.9 31.8 47.6



#52
Toluene
Concen: 22.311 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion: 92 Resp: 250061
Ion Ratio Lower Upper
92 100
91 172.9 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 21.564 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

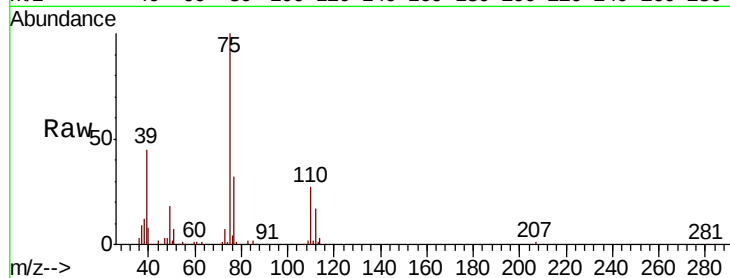
ClientSampleId :

Tot Ion: 75 Resp: 117192

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

60000

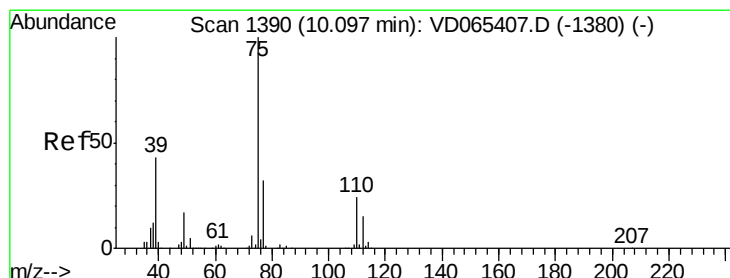
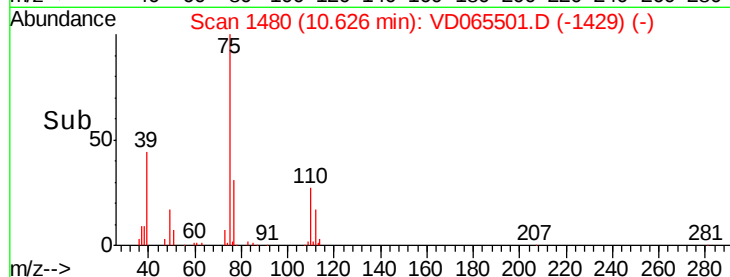
40000

20000

0

10.60 10.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.013 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

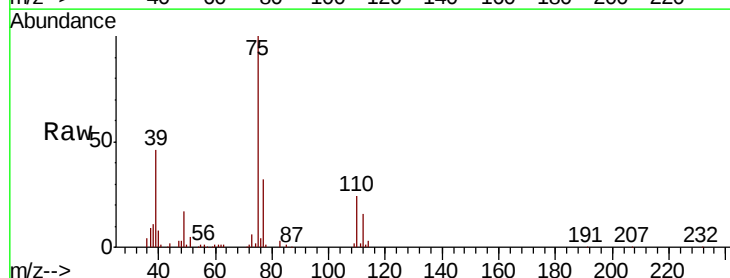
Tgt Ion: 75 Resp: 144809

Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 46.3 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

100000

80000

60000

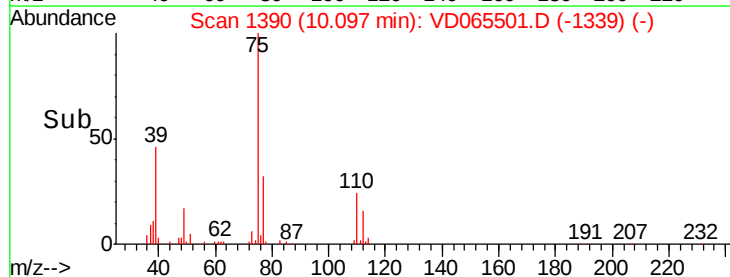
40000

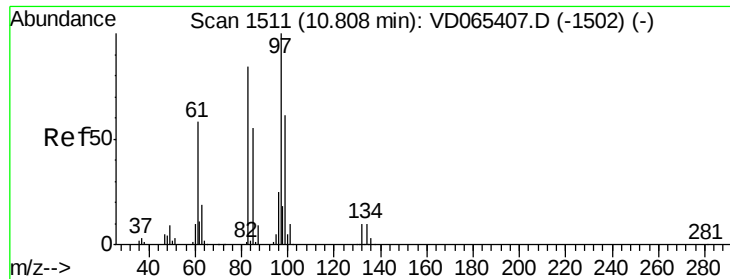
20000

0

10.00 10.10 10.20

Time-->

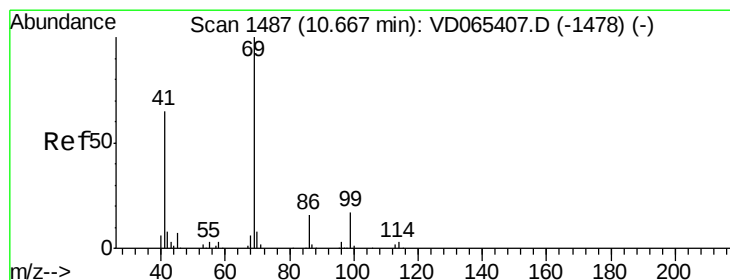
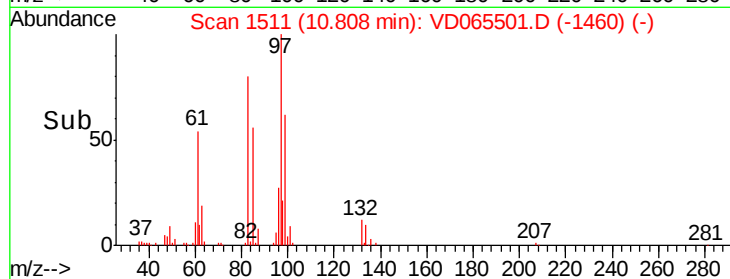
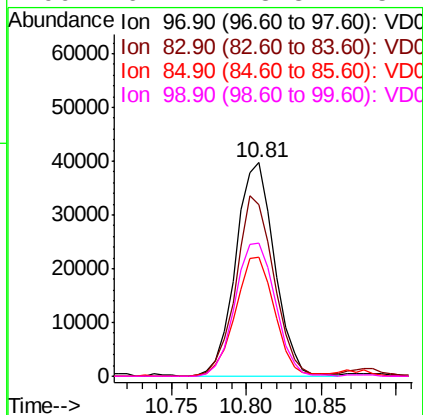
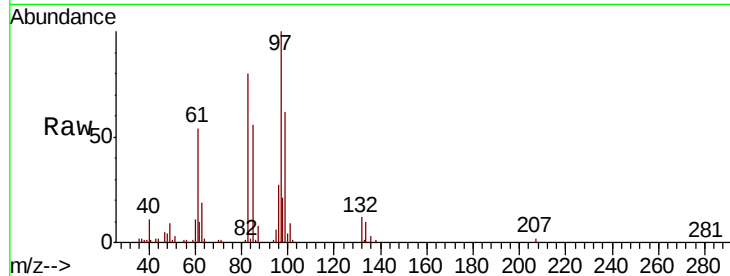




#55
 1,1,2-Trichloroethane
 Concen: 22.655 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

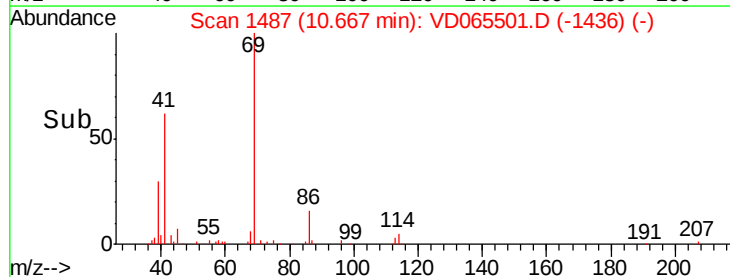
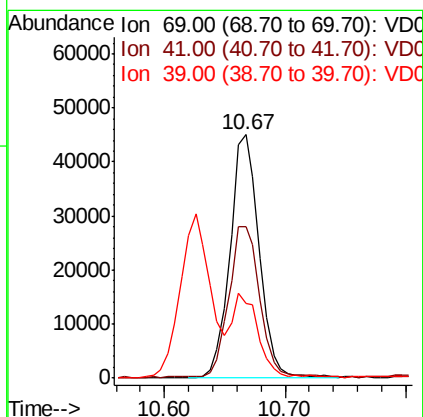
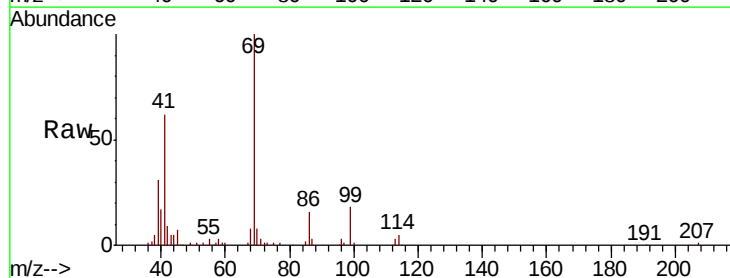
Instrument :
 MSVOA_D
 ClientSampleId :

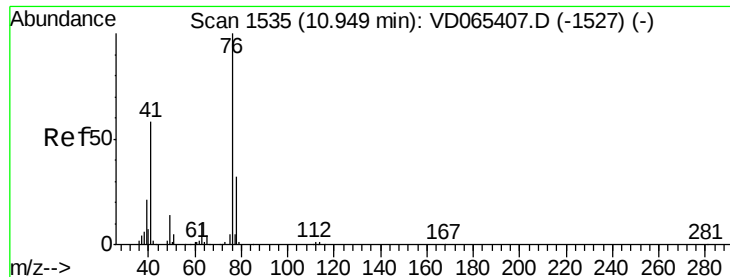
Tot Ion: 97 Resp: 71728
 Ion Ratio Lower Upper
 97 100
 83 80.3 67.4 101.0
 85 55.5 43.8 65.8
 99 62.2 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 21.236 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Tgt Ion: 69 Resp: 75798
 Ion Ratio Lower Upper
 69 100
 41 65.8 53.0 79.6
 39 32.2 26.0 39.0

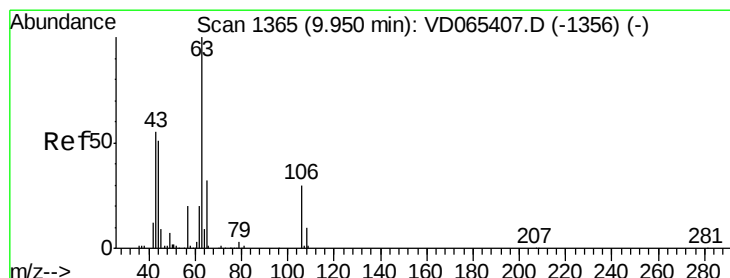
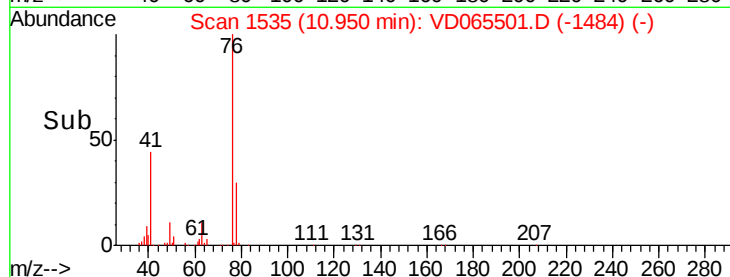
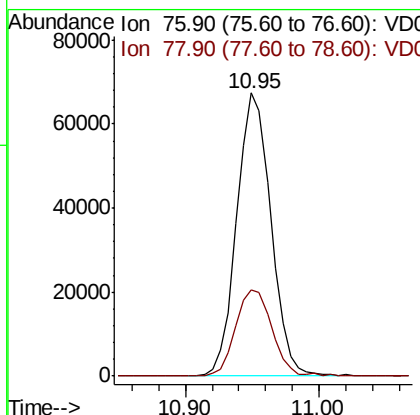
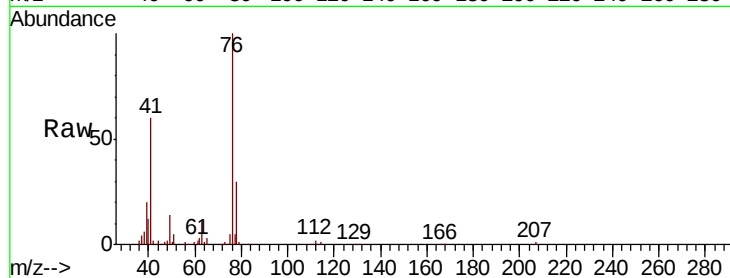




#57
 1,3-Dichloropropane
 Concen: 22.360 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

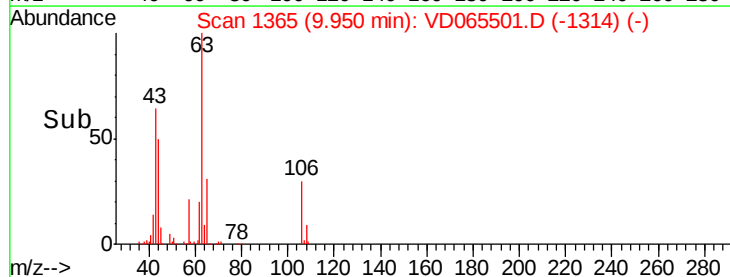
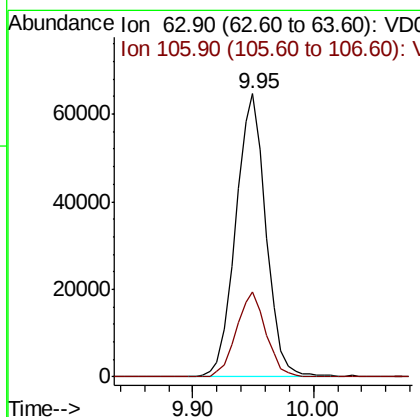
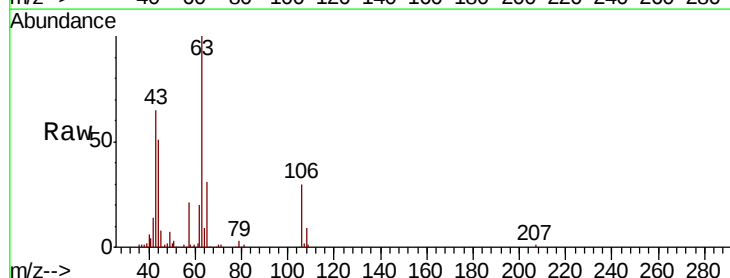
Instrument :
 MSVOA_D
 ClientSampleId :

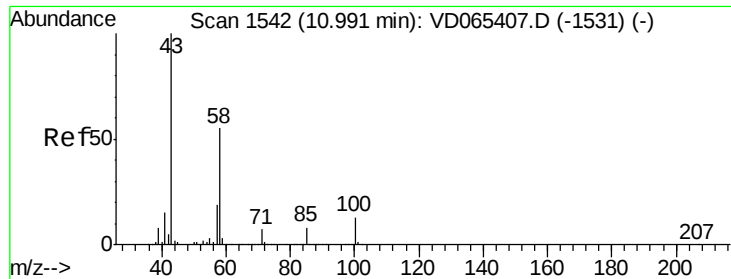
Tot Ion: 76 Resp: 119780
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.187 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Tgt Ion: 63 Resp: 112543
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.3 34.9

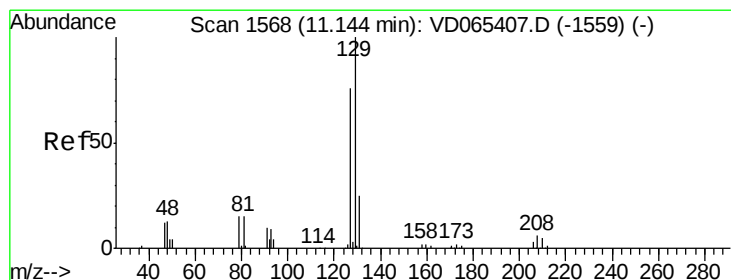
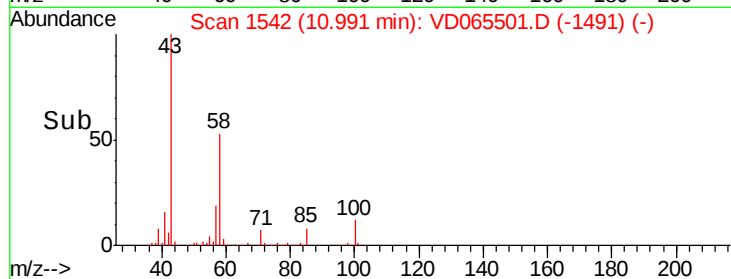
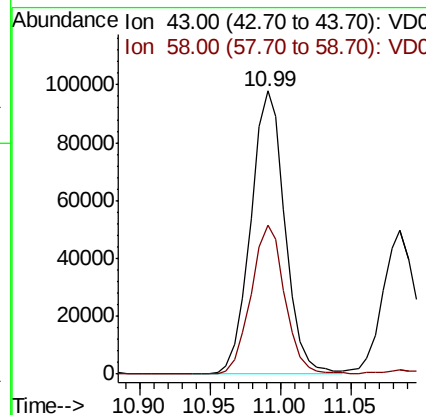
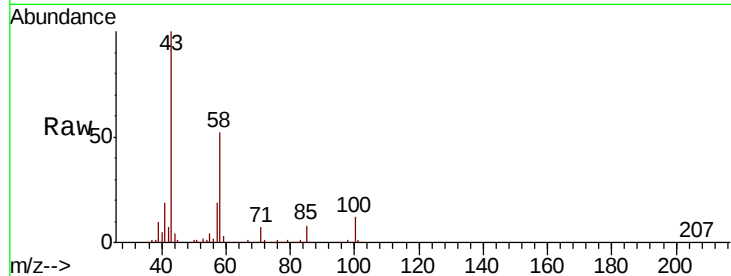




#59
2-Hexanone
Concen: 105.332 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

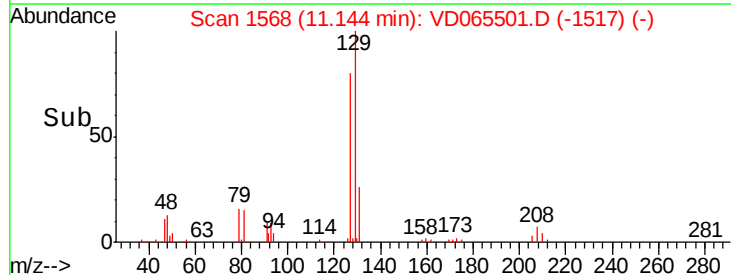
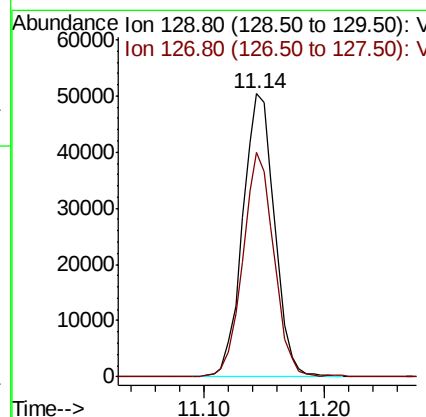
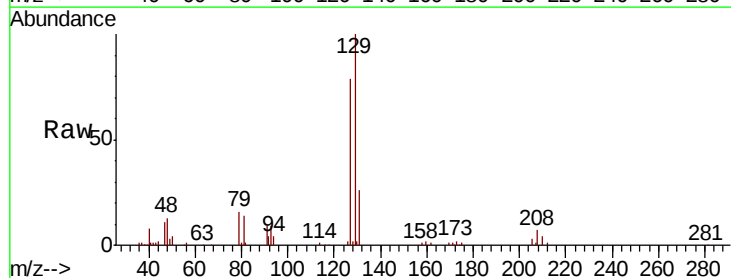
Instrument :
MSVOA_D
ClientSampleId :

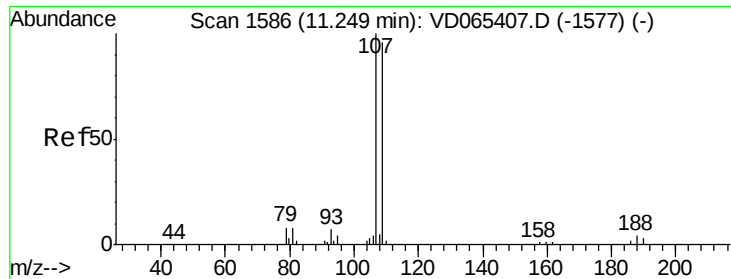
Tot Ion: 43 Resp: 166627
Ion Ratio Lower Upper
43 100
58 52.0 27.4 82.2



#60
Dibromochloromethane
Concen: 22.862 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion: 129 Resp: 92781
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5

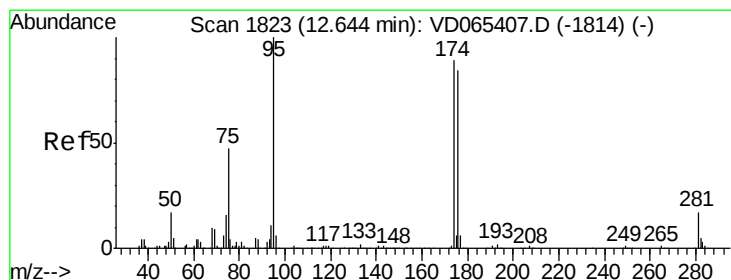
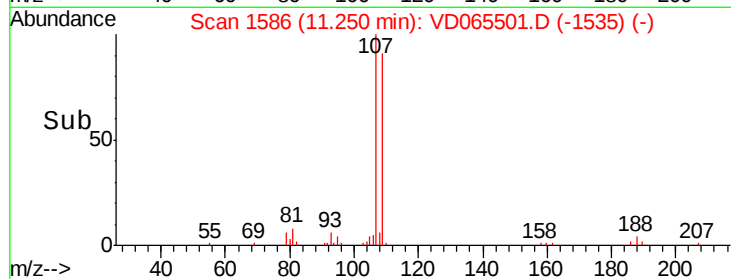
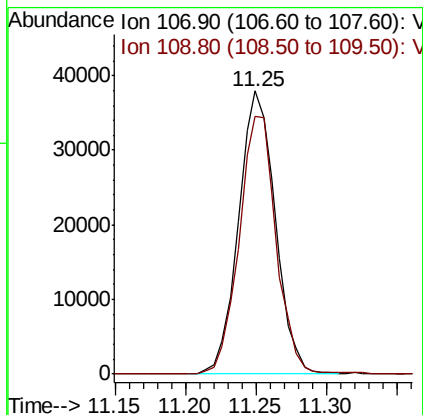
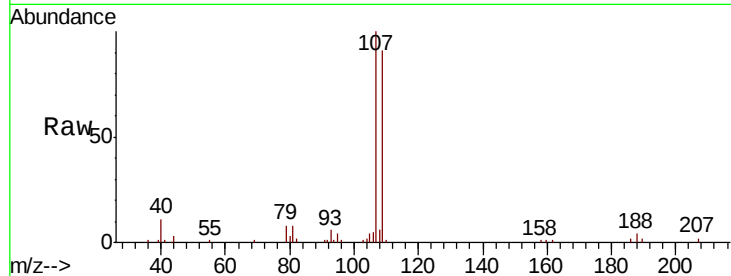




#61
 1,2-Dibromoethane
 Concen: 22.834 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

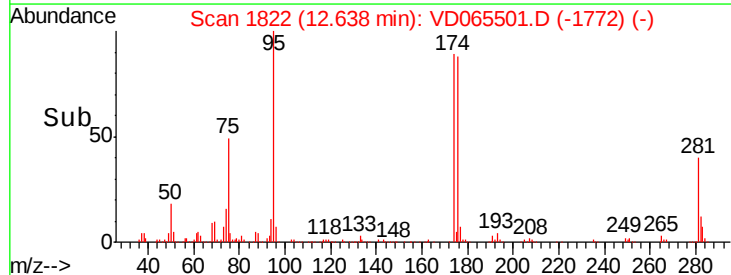
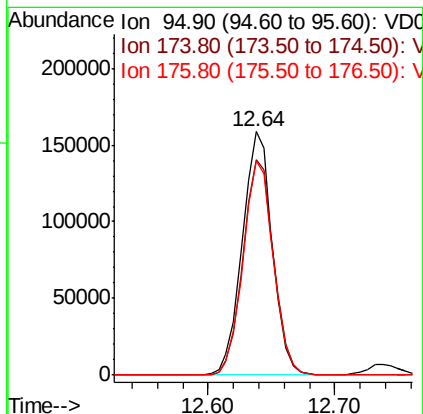
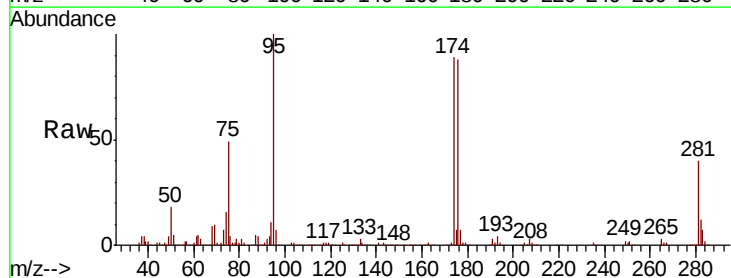
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:107 Resp: 68957
 Ion Ratio Lower Upper
 107 100
 109 91.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 53.602 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Tgt Ion: 95 Resp: 260597
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 176.8
 176 88.8 0.0 171.4

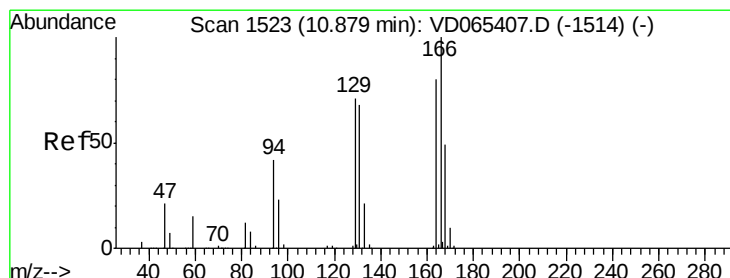
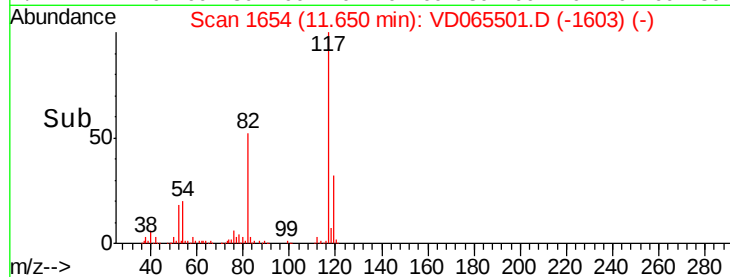
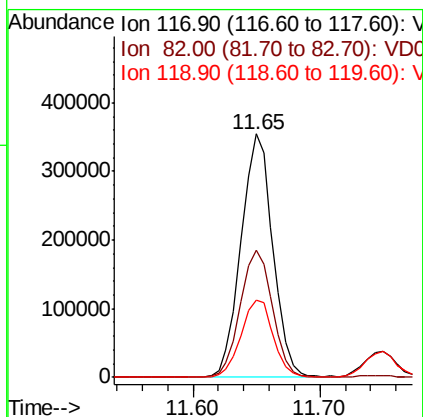
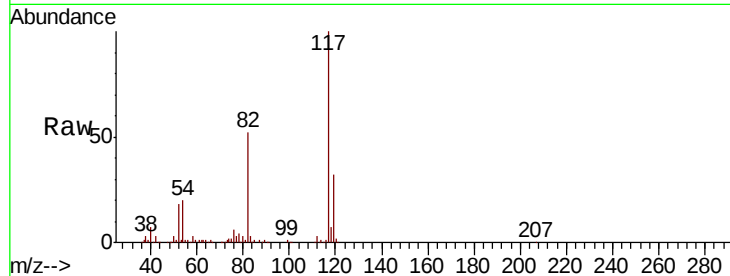




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

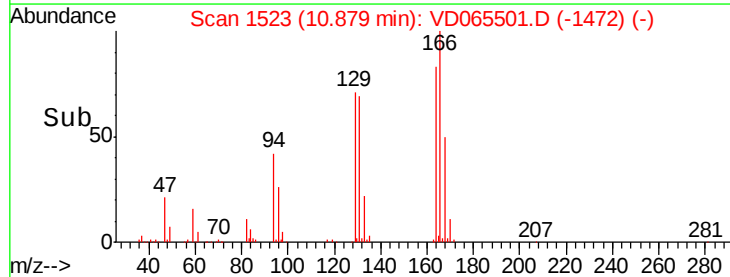
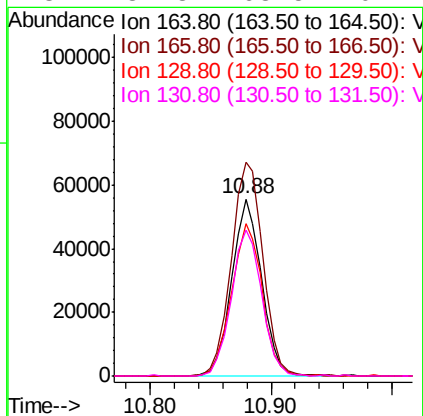
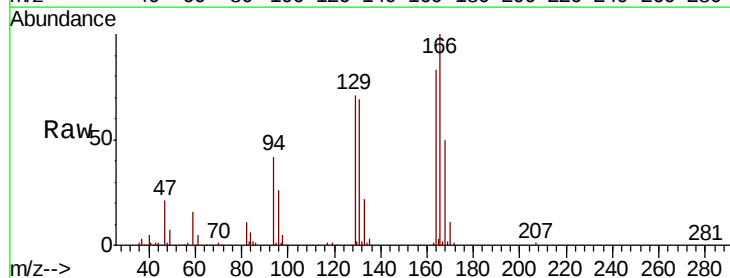
Instrument :
MSVOA_D
ClientSampled :

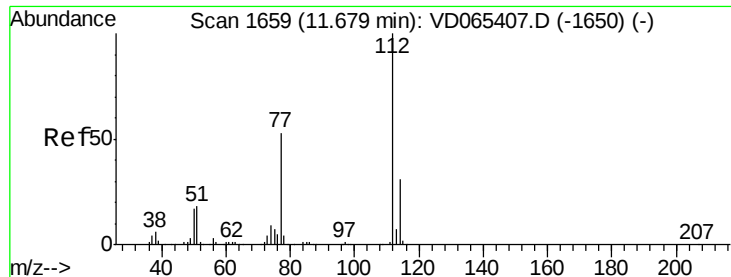
Tot Ion:117 Resp: 618389
Ion Ratio Lower Upper
117 100
82 52.3 40.6 60.8
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 21.519 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion:164 Resp: 95352
Ion Ratio Lower Upper
164 100
166 120.7 100.5 150.7
129 85.7 71.5 107.3
131 82.8 68.5 102.7

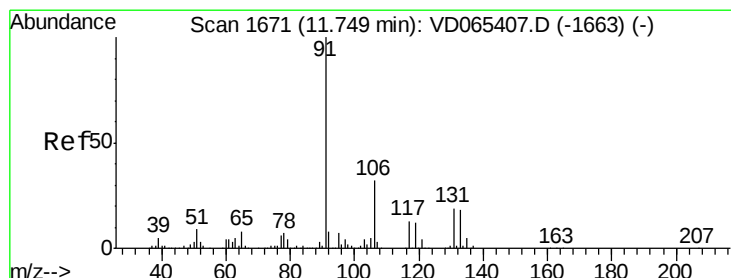
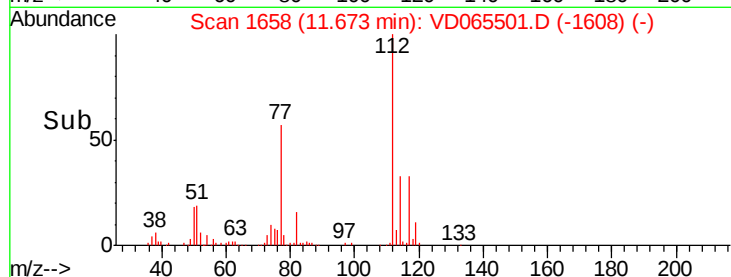
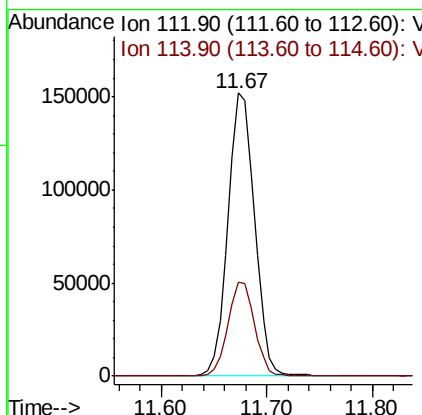
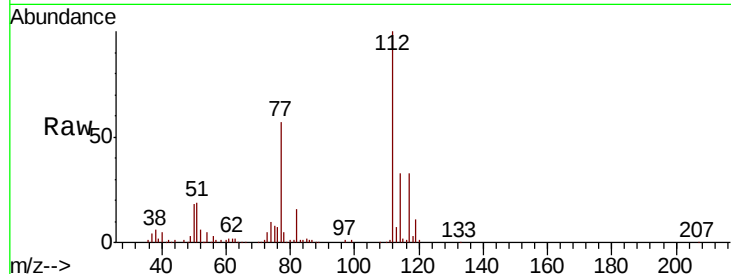




#65
Chlorobenzene
Concen: 21.590 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

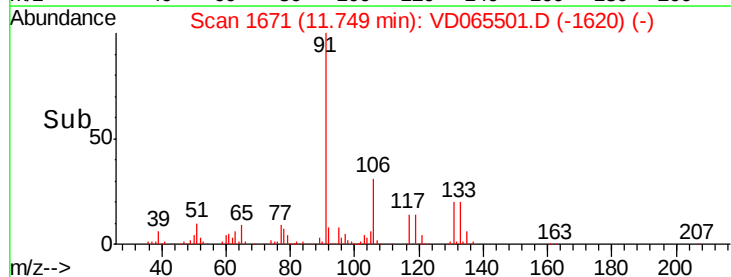
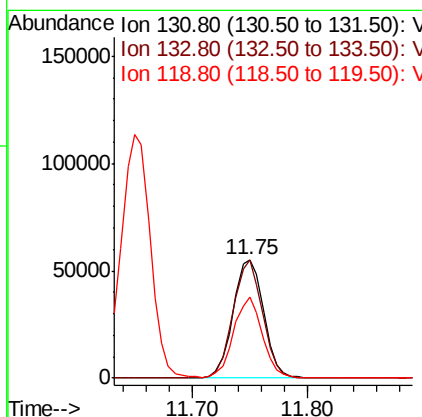
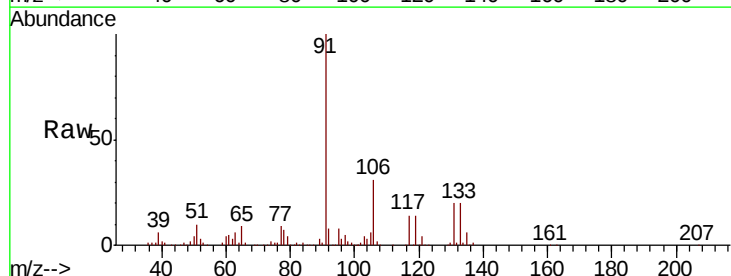
Instrument :
MSVOA_D
ClientSampleID :

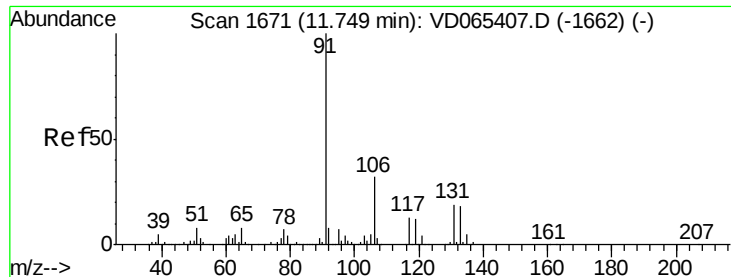
Tot Ion:112 Resp: 264207
Ion Ratio Lower Upper
112 100
114 33.3 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.641 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion:131 Resp: 100908
Ion Ratio Lower Upper
131 100
133 96.3 49.2 147.6
119 64.9 33.3 99.8





#67

Ethyl Benzene

Concen: 21.210 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

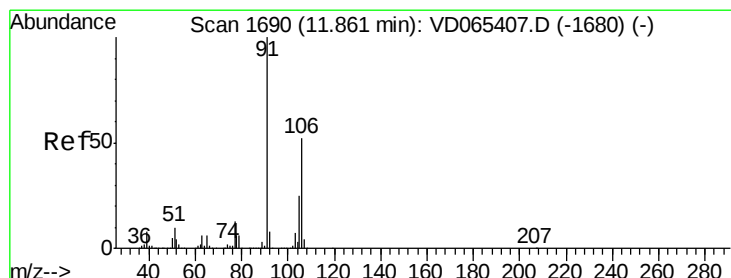
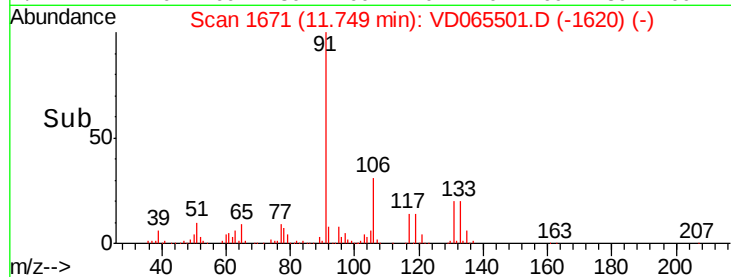
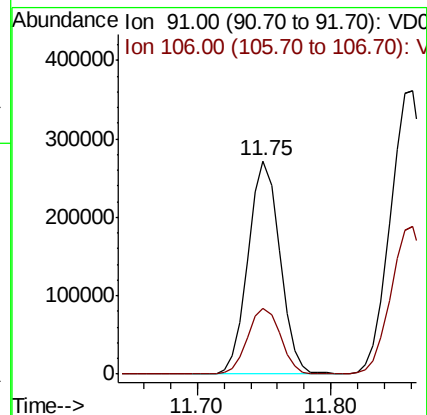
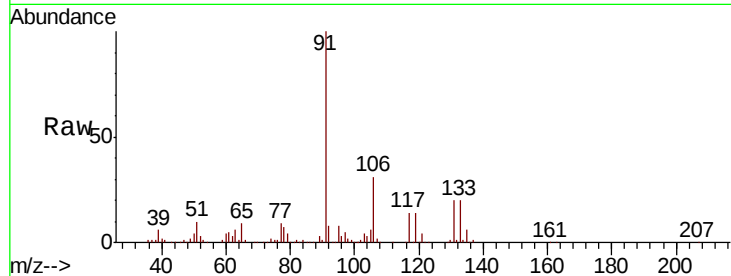
ClientSampleID :

Tot Ion: 91 Resp: 448475

Ion Ratio Lower Upper

91 100

106 31.2 25.2 37.8



#68

m/p-Xylenes

Concen: 44.279 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065501.D

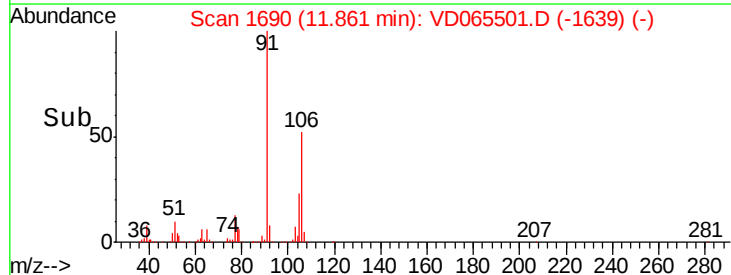
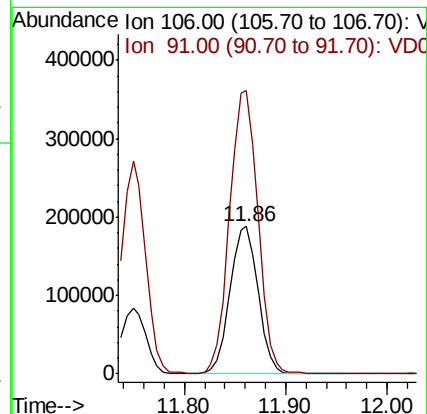
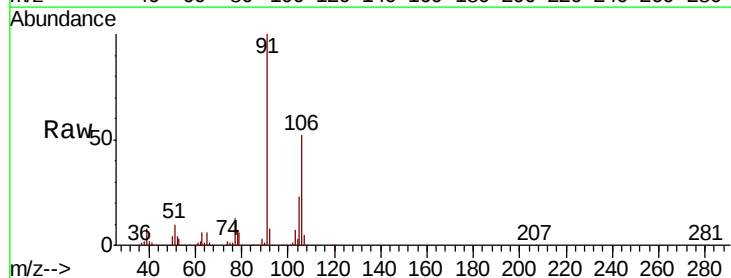
Acq: 13 Mar 2020 12:37

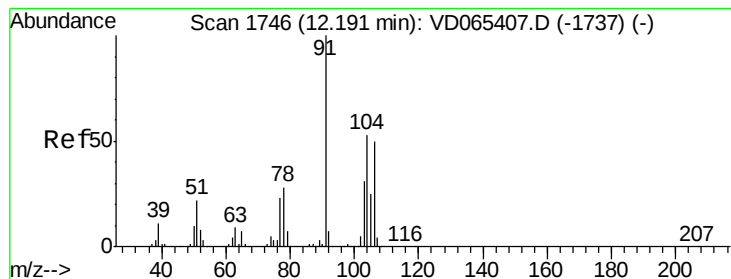
Tgt Ion: 106 Resp: 361008

Ion Ratio Lower Upper

106 100

91 194.4 155.9 233.9





#69

o-Xylene

Concen: 21.359 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

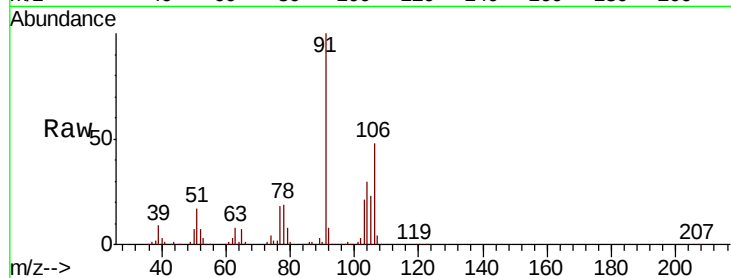
ClientSampled :

Tot Ion:106 Resp: 153184

Ion Ratio Lower Upper

106 100

91 208.7 103.5 310.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

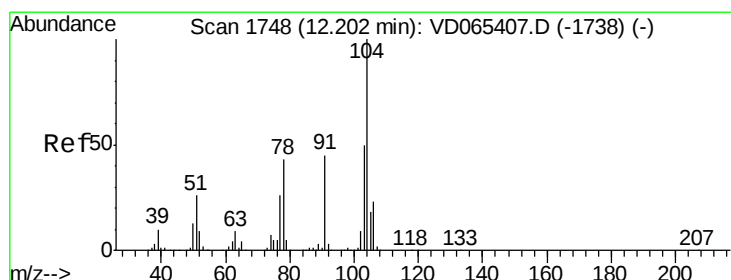
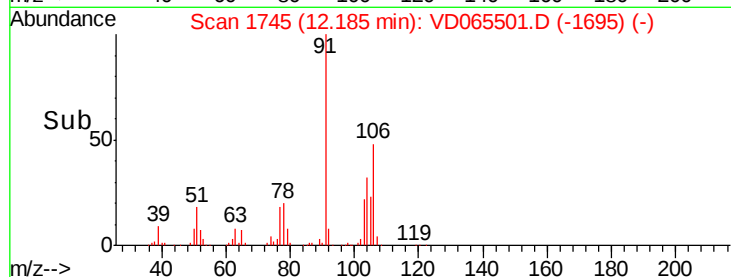
100000

50000

0

12.18

Time-->



#70

Styrene

Concen: 22.237 ug/l

RT: 12.20 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

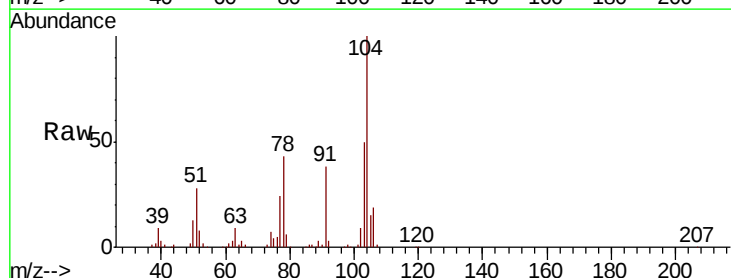
Tgt Ion:104 Resp: 280673

Ion Ratio Lower Upper

104 100

78 47.7 37.7 56.5

103 54.3 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V

200000

150000

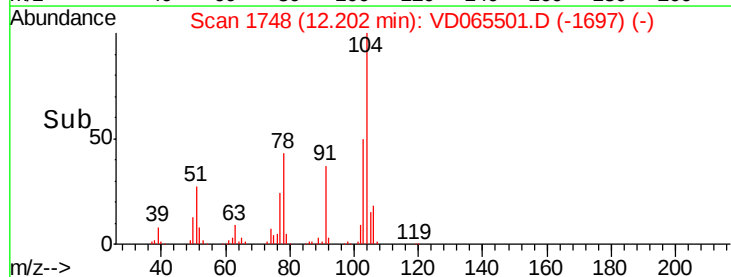
100000

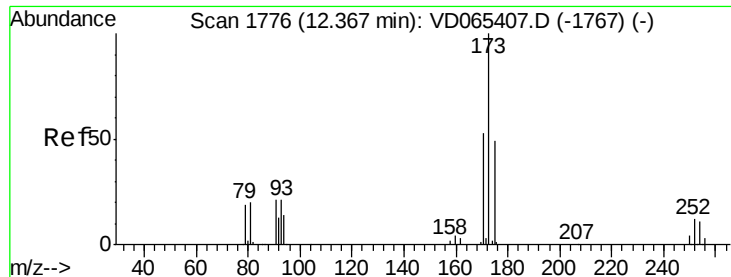
50000

0

12.20

Time-->





#71

Bromoform

Concen: 21.741 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

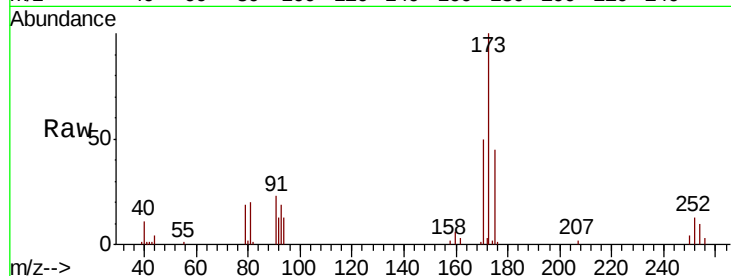
Tot Ion:173 Resp: 54426

Ion Ratio Lower Upper

173 100

175 48.5 24.3 73.0

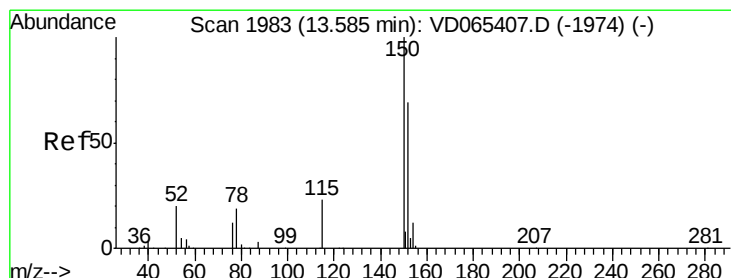
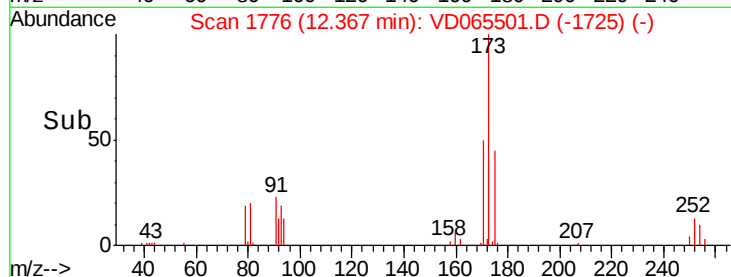
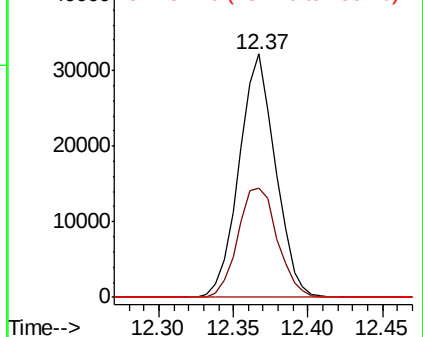
254 0.0 0.1 0.1#



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: VD065501.D

Acq: 13 Mar 2020 12:37

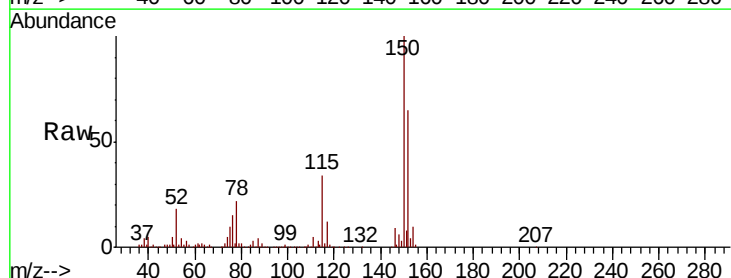
Tgt Ion:152 Resp: 310997

Ion Ratio Lower Upper

152 100

115 55.2 27.6 82.8

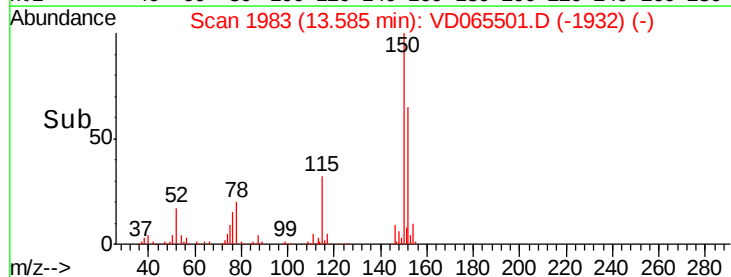
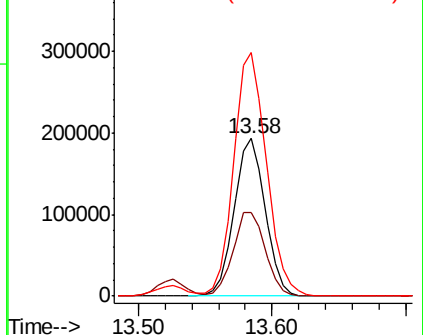
150 163.4 0.0 345.0

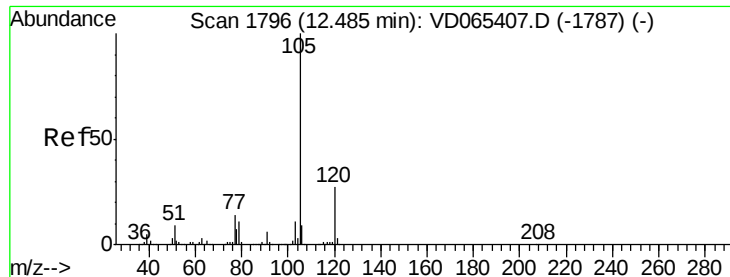


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.699 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

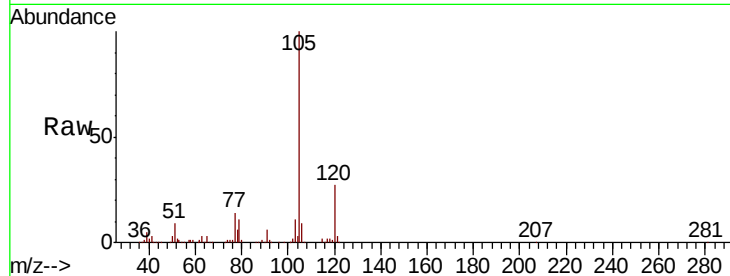
ClientSampleId :

Tot Ion:105 Resp: 423405

Ion Ratio Lower Upper

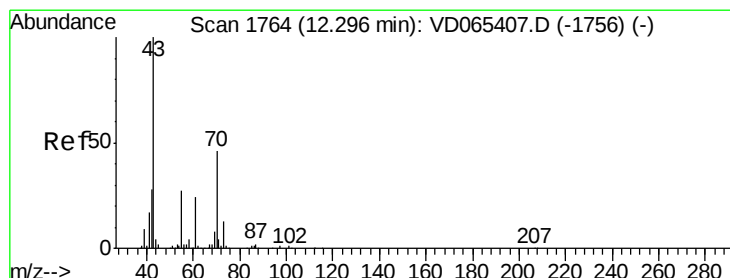
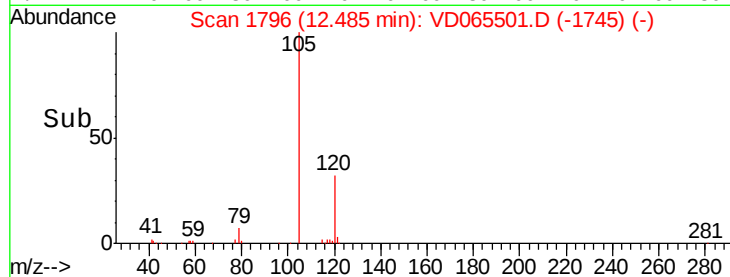
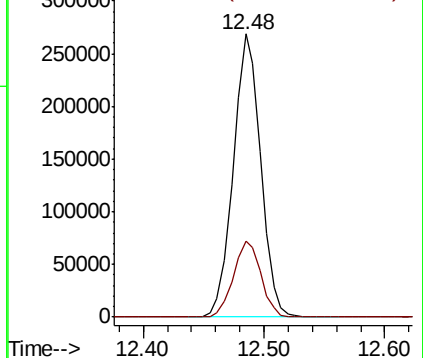
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.809 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Tgt Ion: 43 Resp: 82957

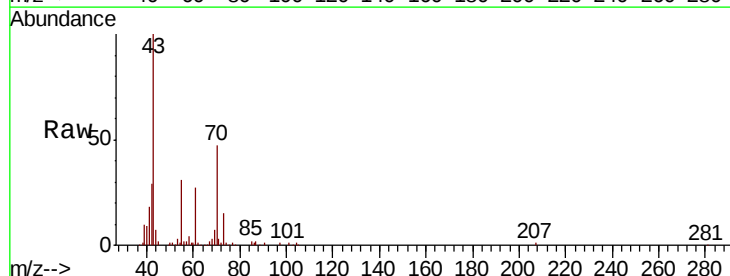
Ion Ratio Lower Upper

43 100

70 44.6 36.1 54.1

55 29.4 21.6 32.4

61 24.6 19.6 29.4

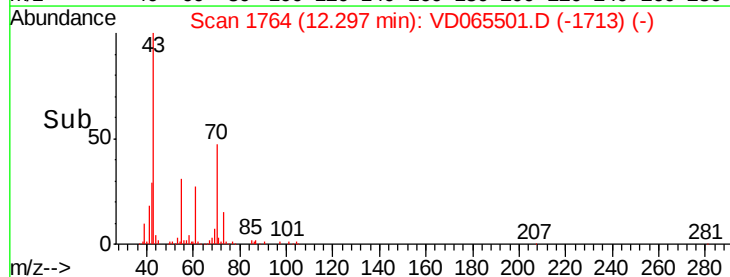
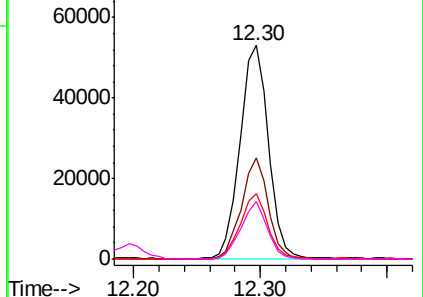


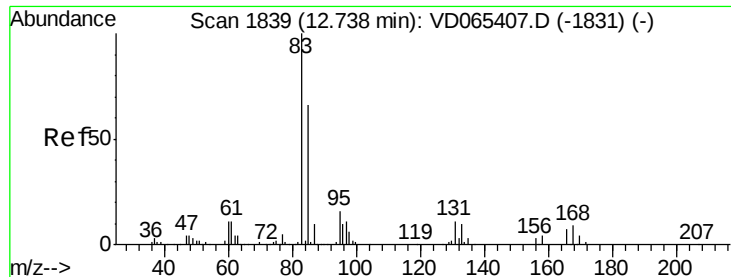
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.672 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

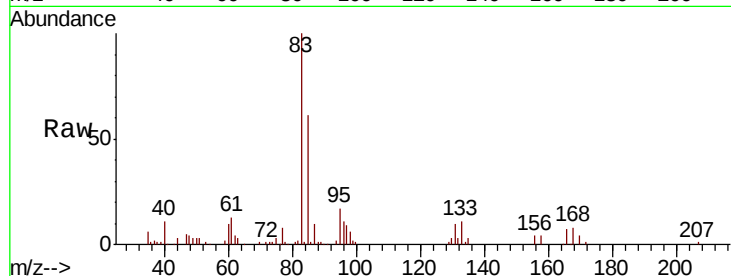
Tot Ion: 83 Resp: 74330

Ion Ratio Lower Upper

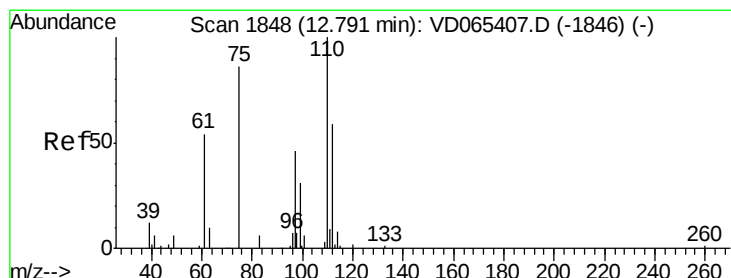
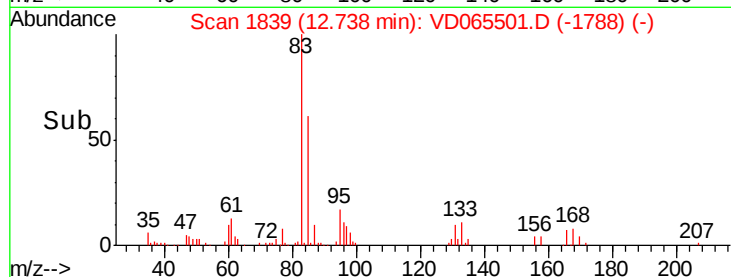
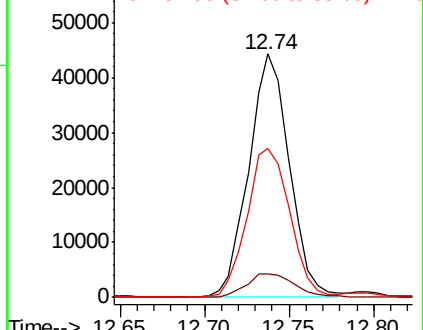
83 100

131 11.6 5.4 16.2

85 65.1 33.0 98.9



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: 39.850 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065501.D

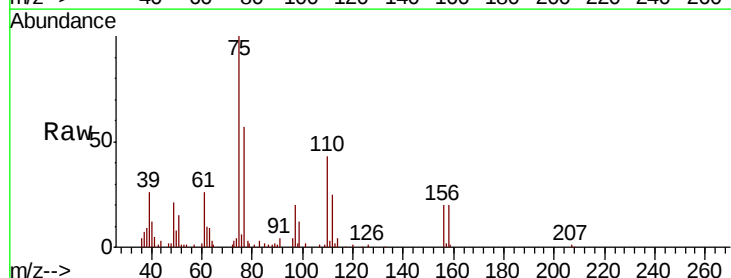
Acq: 13 Mar 2020 12:37

Tgt Ion: 75 Resp: 97792

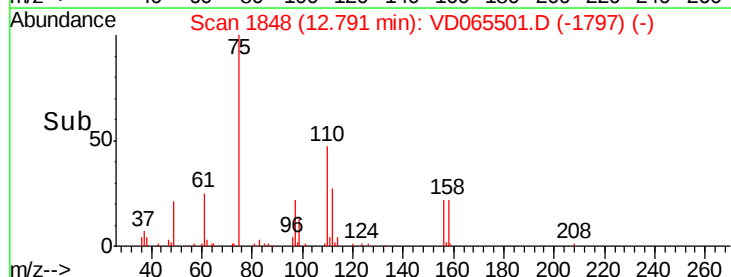
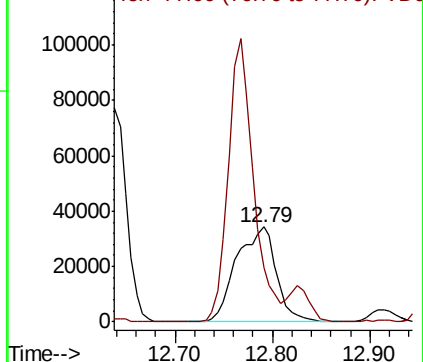
Ion Ratio Lower Upper

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: 21.681 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampled :

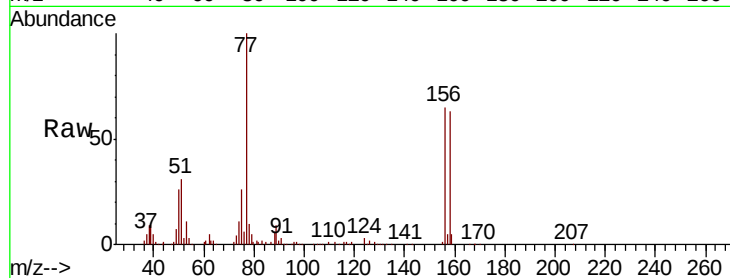
Tot Ion:156 Resp: 110186

Ion Ratio Lower Upper

156 100

77 167.4 84.9 254.6

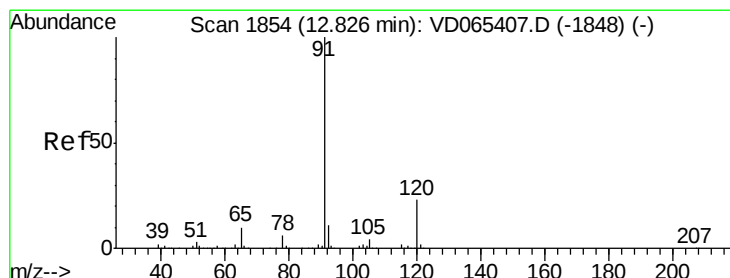
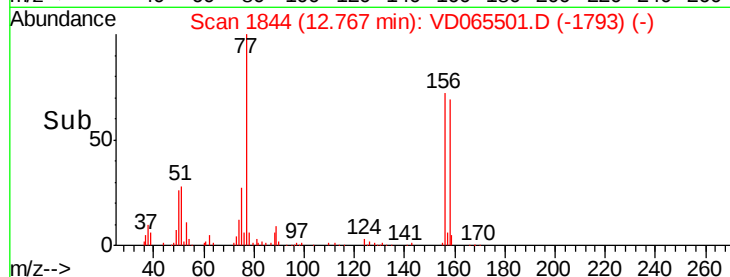
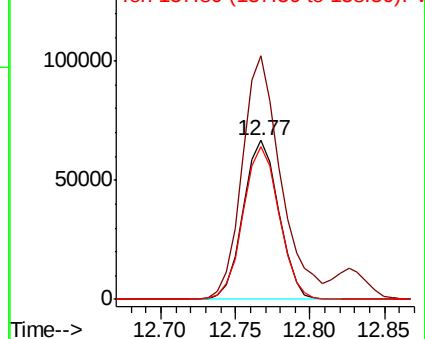
158 97.4 49.0 147.2



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: 21.587 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065501.D

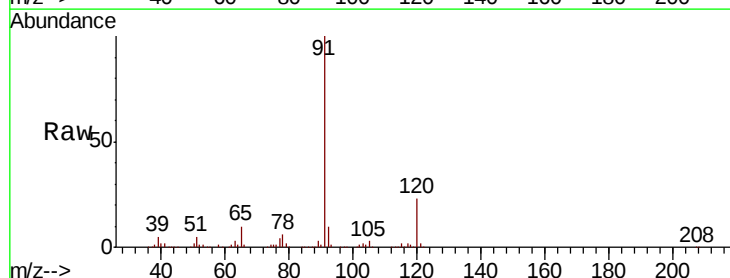
Acq: 13 Mar 2020 12:37

Tgt Ion: 91 Resp: 523941

Ion Ratio Lower Upper

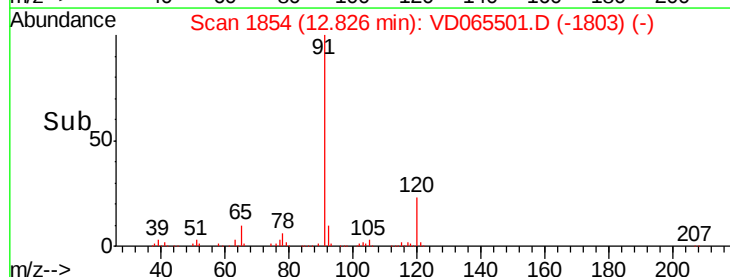
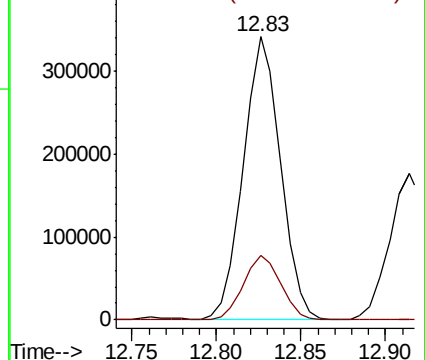
91 100

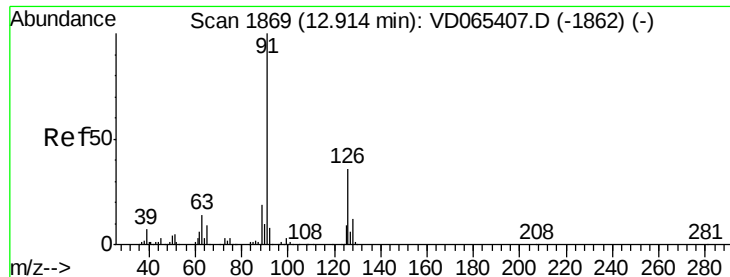
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

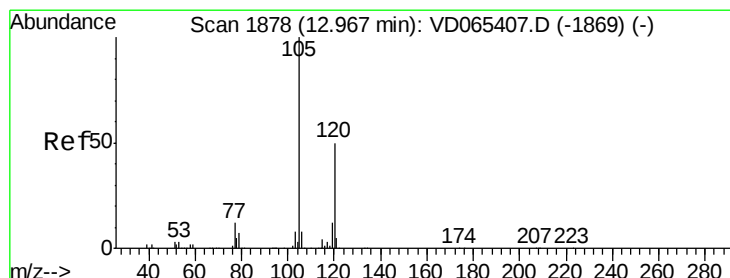
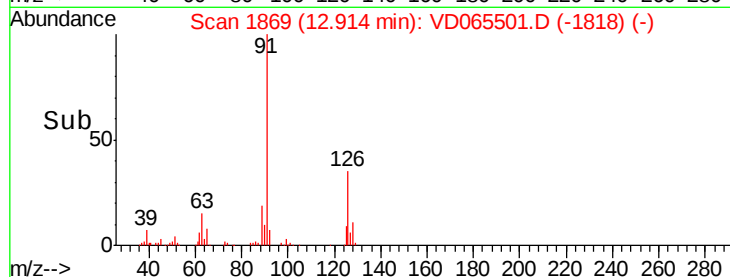
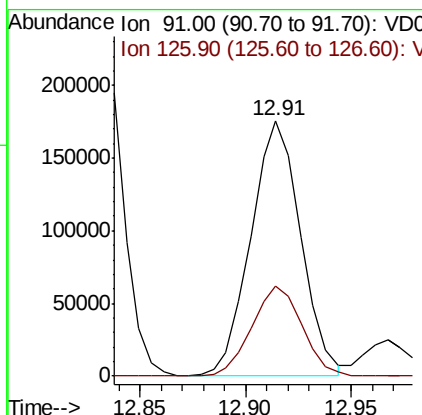
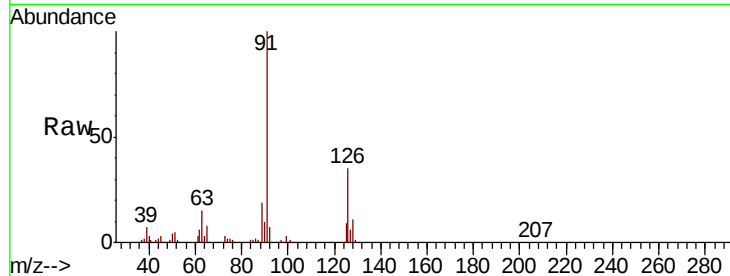




#79
 2-Chlorotoluene
 Concen: 21.052 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

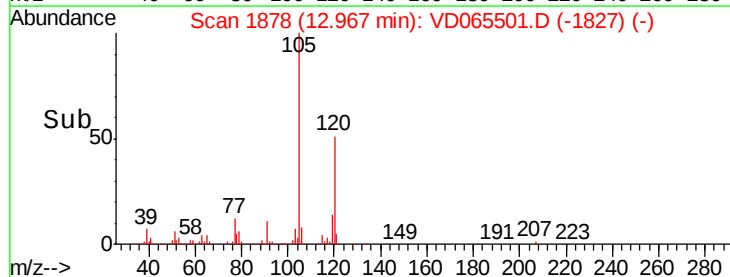
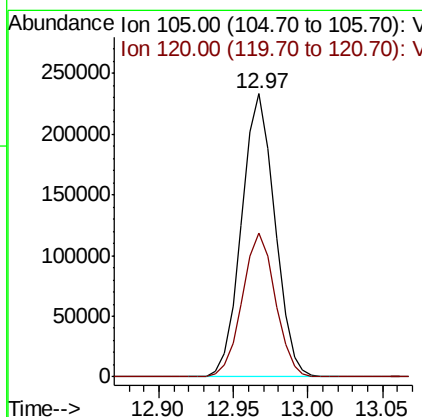
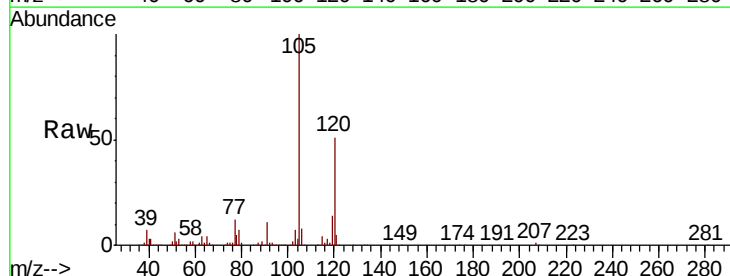
Instrument :
 MSVOA_D
 ClientSampleId :

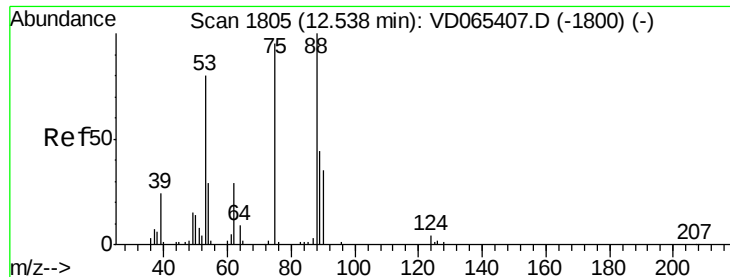
Tot Ion: 91 Resp: 287958
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.399 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Tgt Ion: 105 Resp: 359869
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.4 76.0

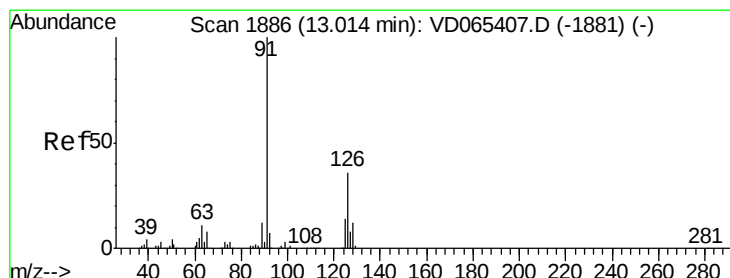
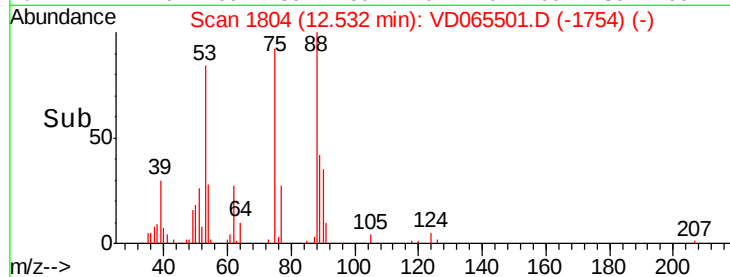
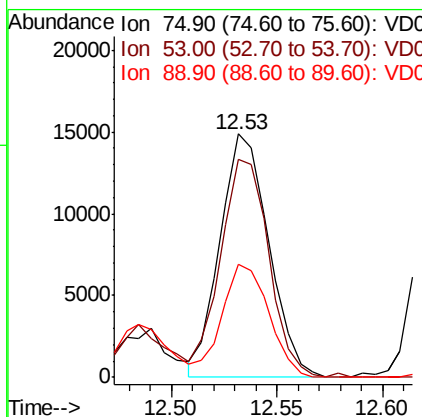
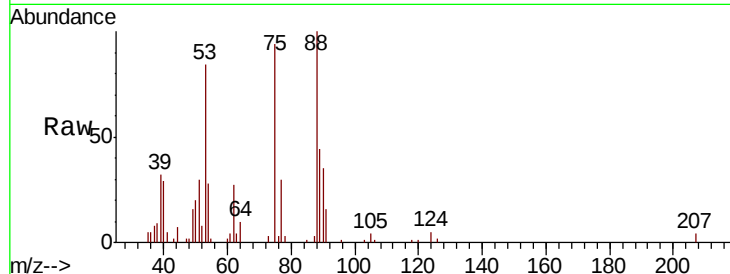




#81
trans-1,4-Dichloro-2-butene
Concen: 20.524 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

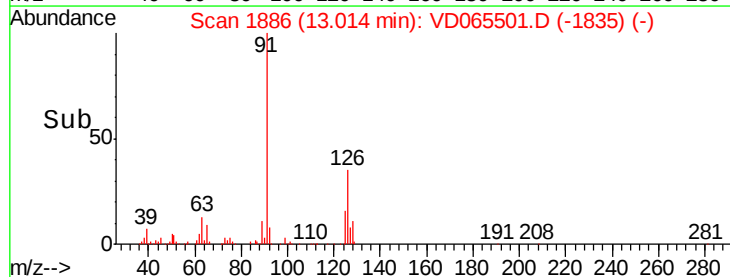
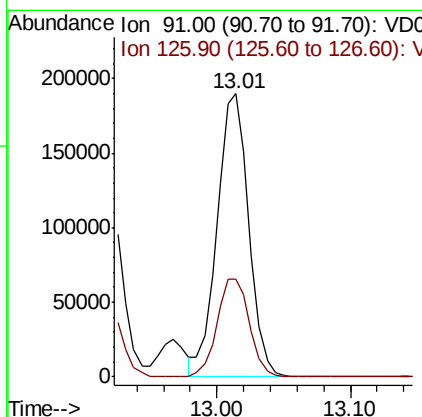
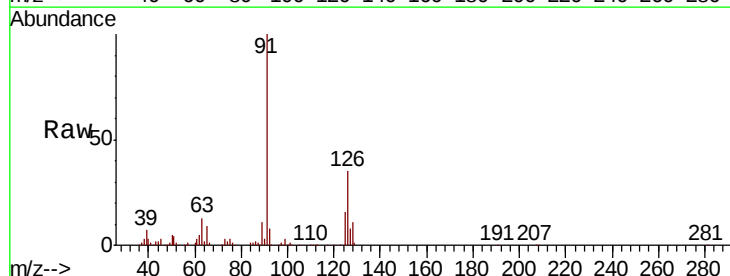
Instrument :
MSVOA_D
ClientSampleId :

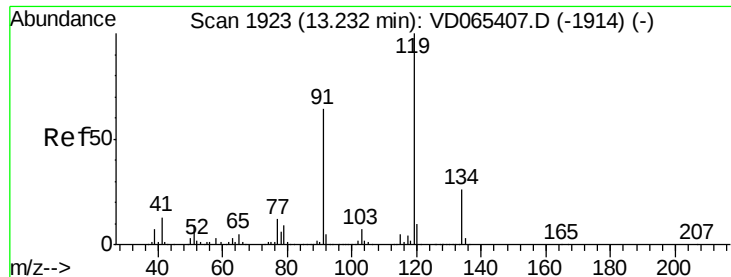
Tot Ion: 75 Resp: 23867
Ion Ratio Lower Upper
75 100
53 88.6 71.3 106.9
89 44.7 37.0 55.6



#82
4-Chlorotoluene
Concen: 21.948 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion: 91 Resp: 315479
Ion Ratio Lower Upper
91 100
126 35.5 17.6 52.8

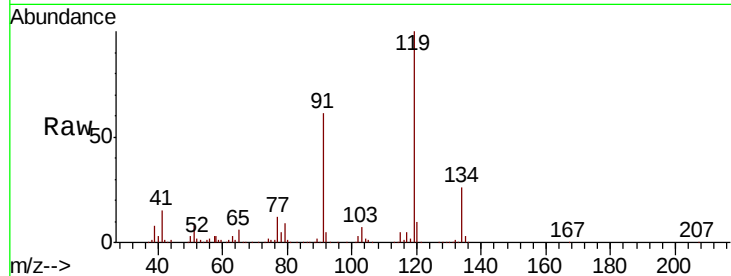




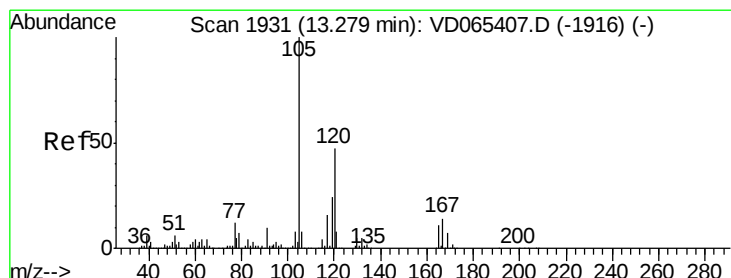
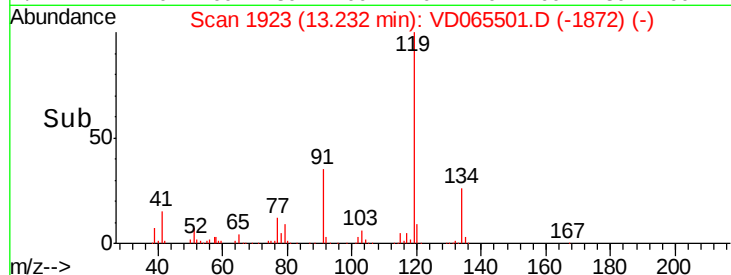
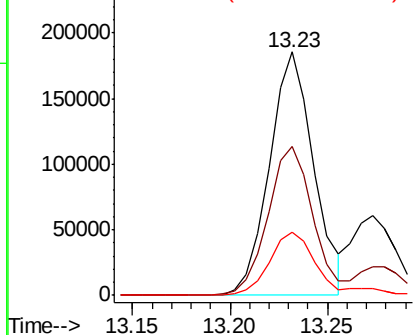
#83
tert-Butylbenzene
Concen: 20.561 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 292530
Ion Ratio Lower Upper
119 100
91 62.8 31.6 95.0
134 28.5 14.2 42.8

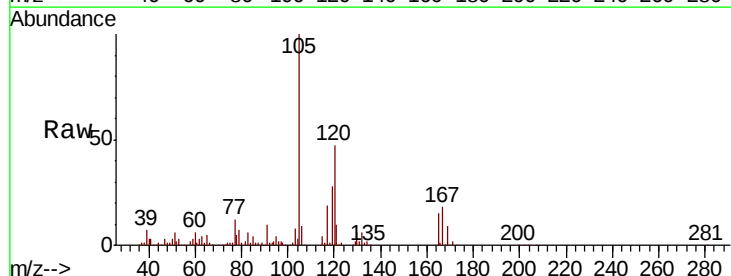


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

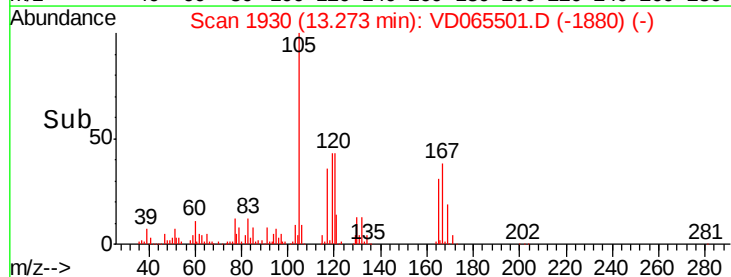
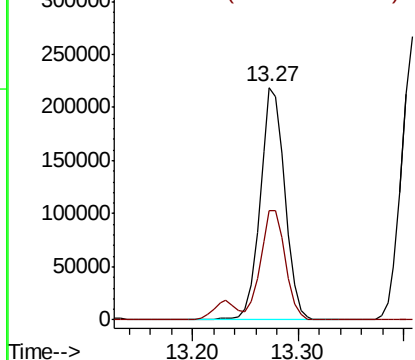


#84
1,2,4-Trimethylbenzene
Concen: 21.395 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion:105 Resp: 354661
Ion Ratio Lower Upper
105 100
120 47.3 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 20.820 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

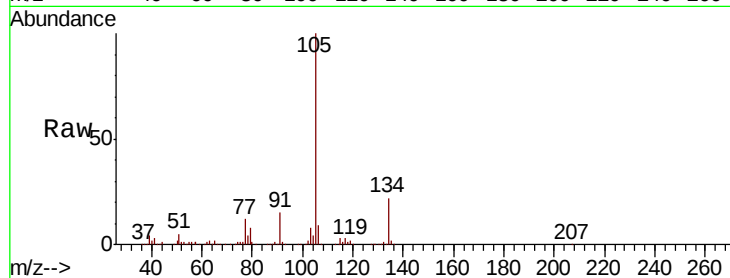
ClientSampleId :

Tot Ion:105 Resp: 422813

Ion Ratio Lower Upper

105 100

134 21.1 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

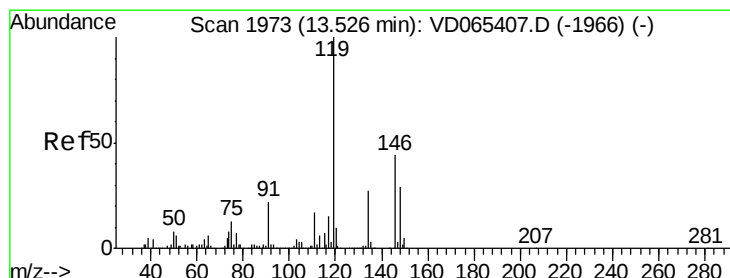
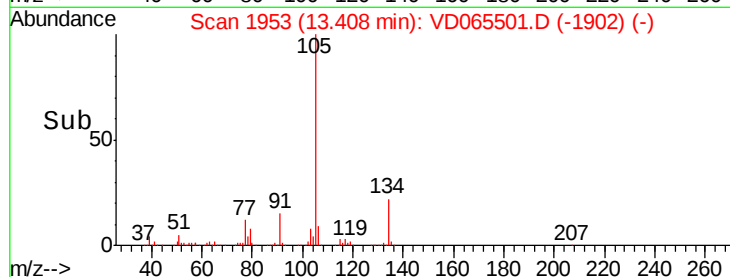
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.169 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

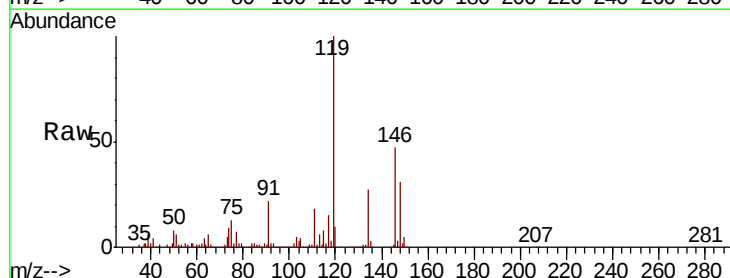
Tgt Ion:119 Resp: 392285

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.1 10.9 32.6



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

13.53

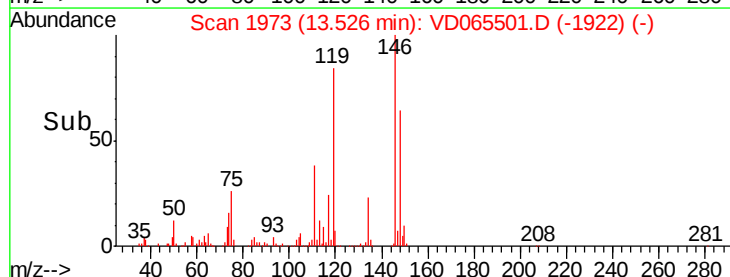
300000

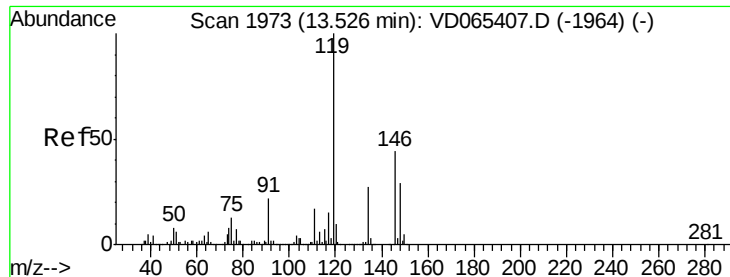
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.729 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

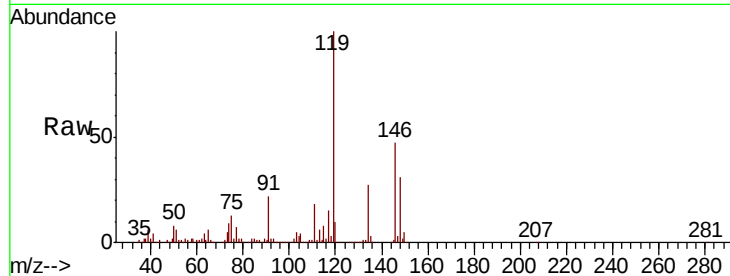
Tot Ion:146 Resp: 212314

Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.1

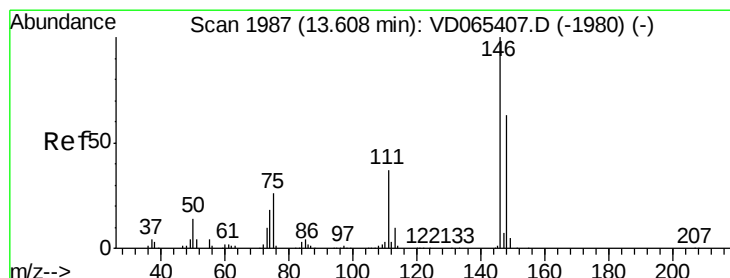
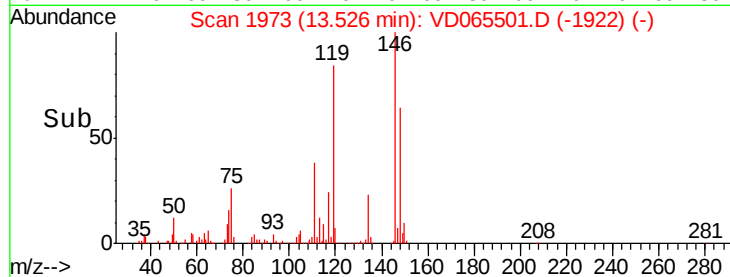
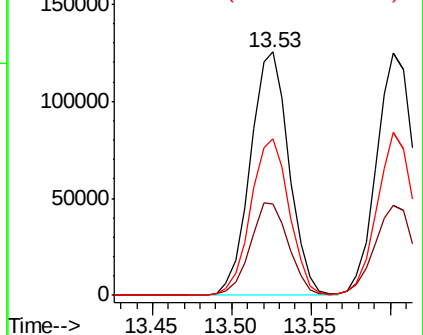
148 64.1 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.281 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

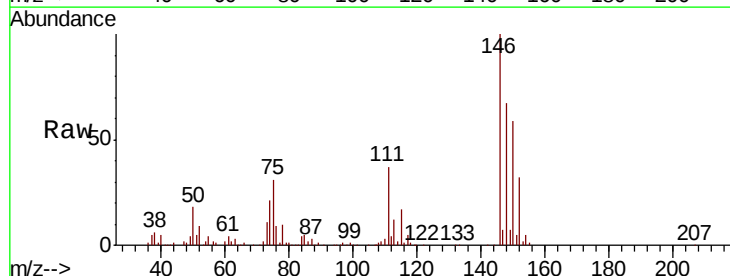
Tgt Ion:146 Resp: 206842

Ion Ratio Lower Upper

146 100

111 38.9 18.5 55.5

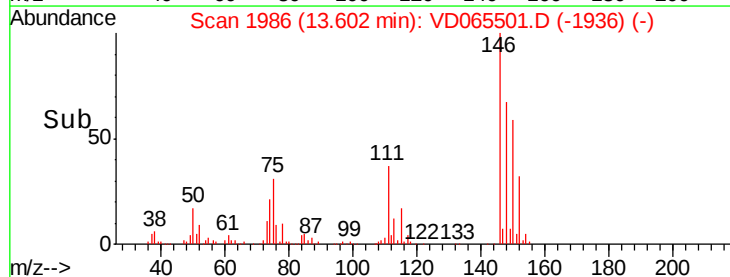
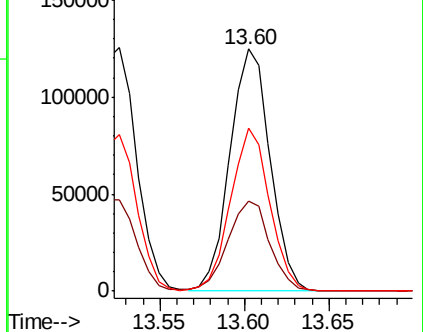
148 65.6 32.0 96.0

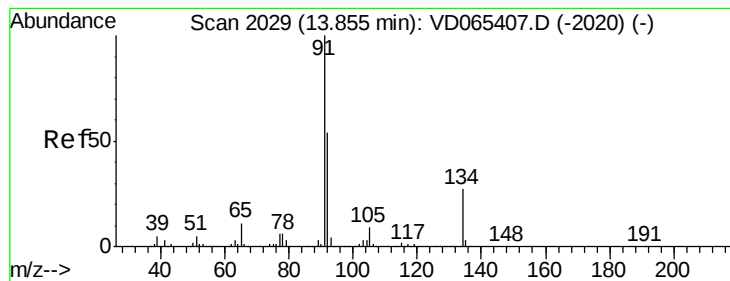


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.332 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065501.D

Acq: 13 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

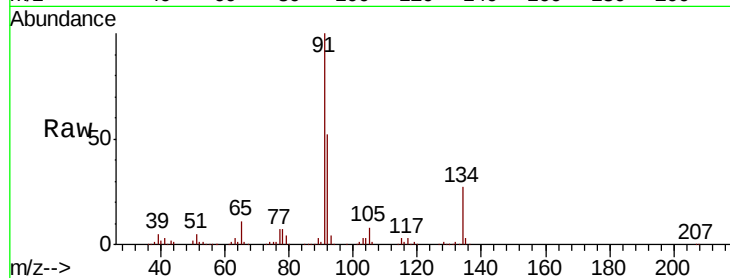
Tot Ion: 91 Resp: 348325

Ion Ratio Lower Upper

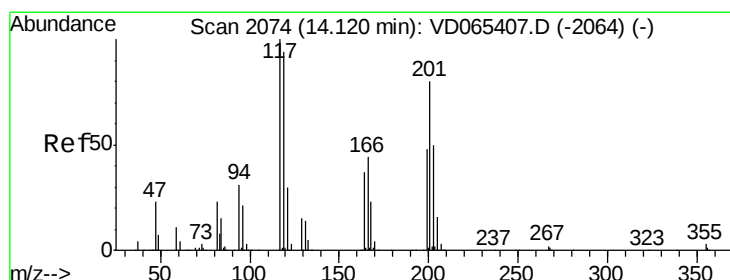
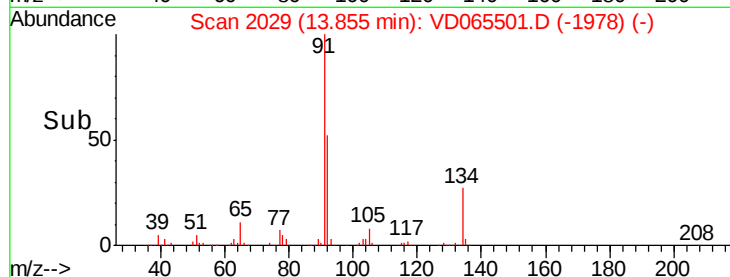
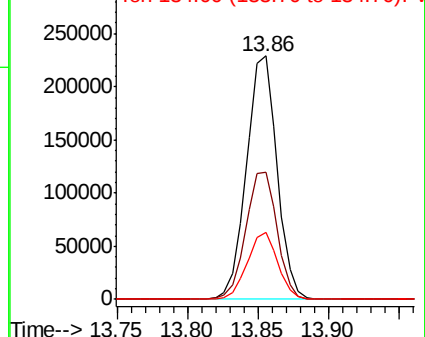
91 100

92 53.4 26.8 80.4

134 27.2 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 21.506 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065501.D

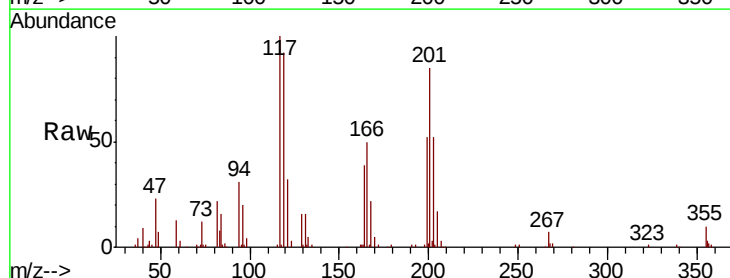
Acq: 13 Mar 2020 12:37

Tgt Ion: 117 Resp: 82073

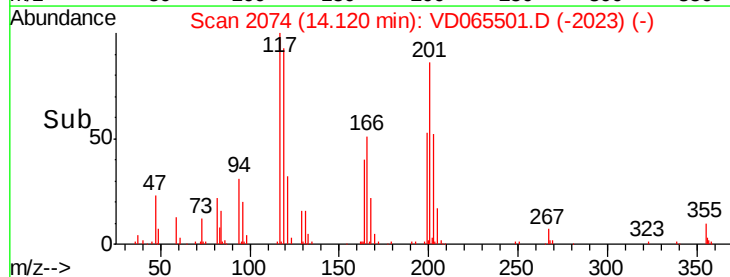
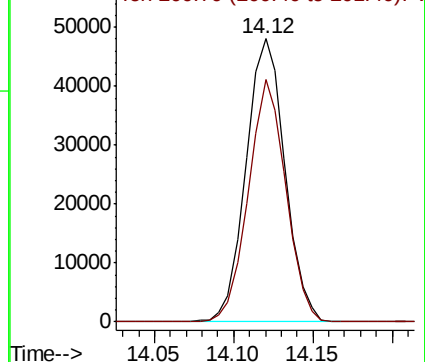
Ion Ratio Lower Upper

117 100

201 82.2 41.9 125.6



Abundance Ion 116.80 (116.50 to 117.50): VDC
Ion 200.70 (200.40 to 201.40): VDC

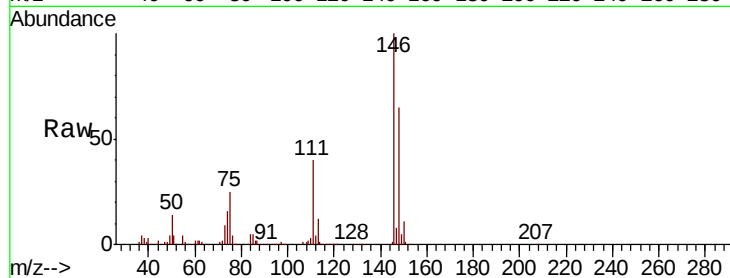




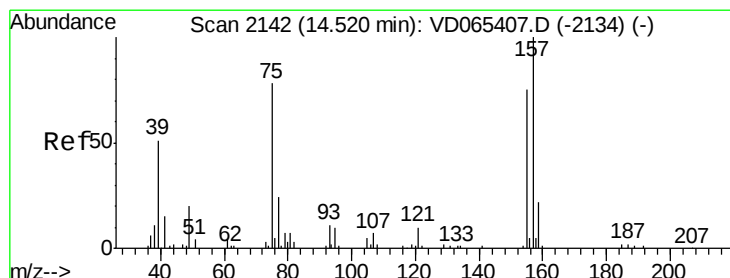
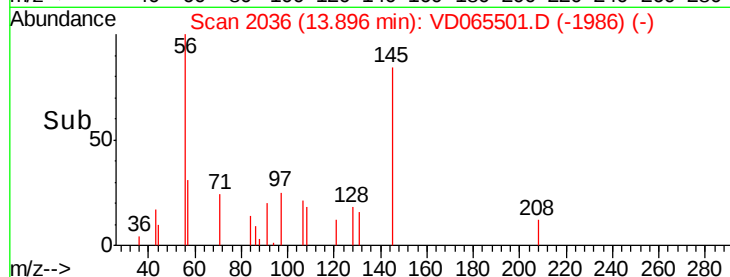
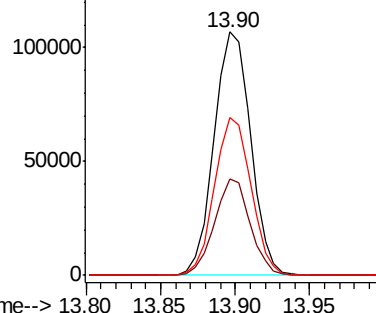
#91
 1,2-Dichlorobenzene
 Concen: 21.813 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.8	59.3
148	64.6	32.6	97.8

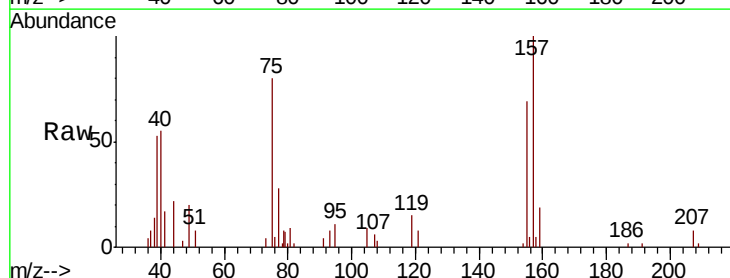


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

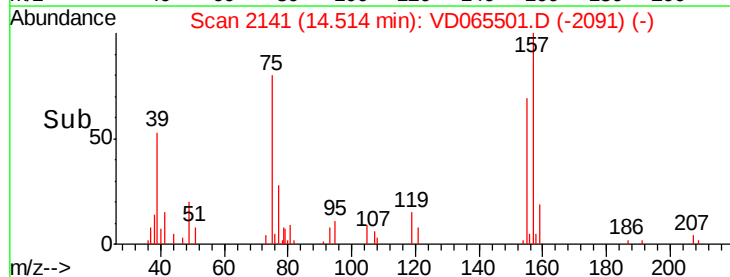
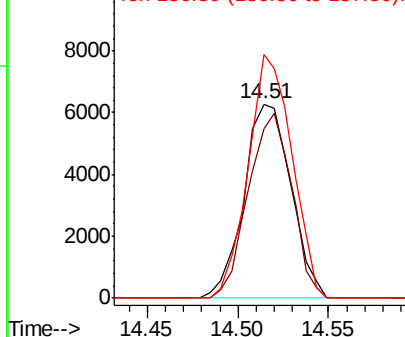


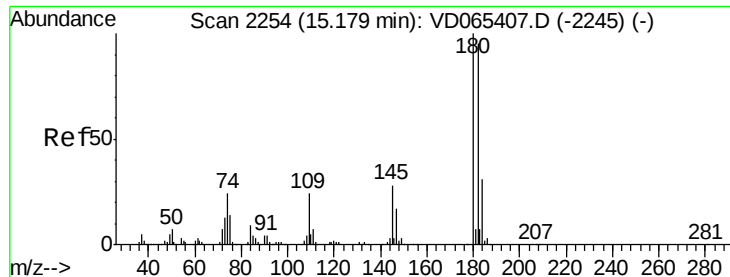
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.608 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.4	46.4	139.1
157	117.2	60.2	180.4



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

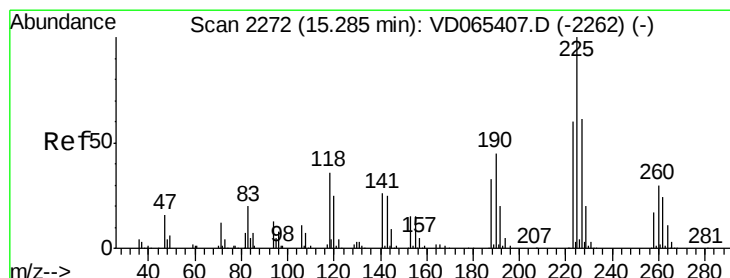
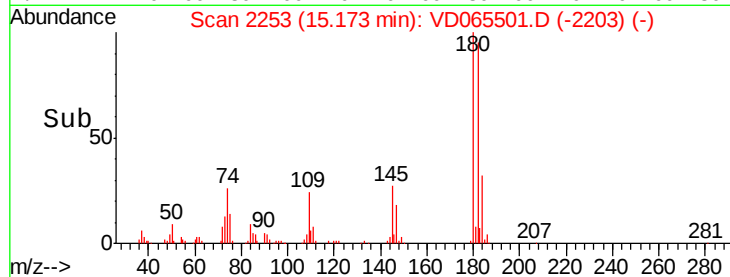
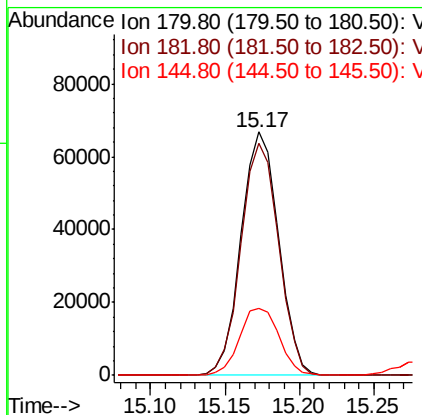
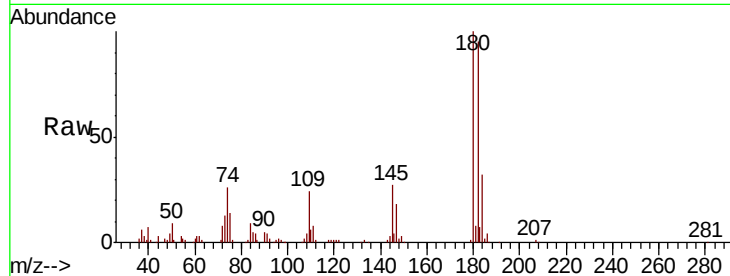




#93
 1,2,4-Trichlorobenzene
 Concen: 20.676 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

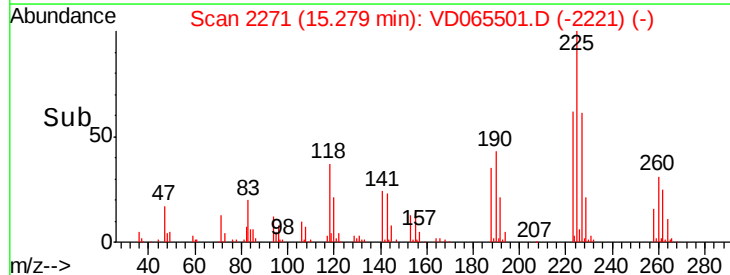
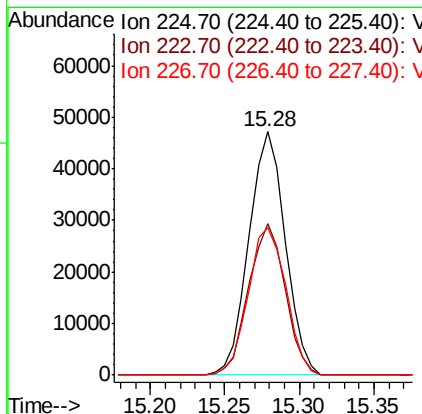
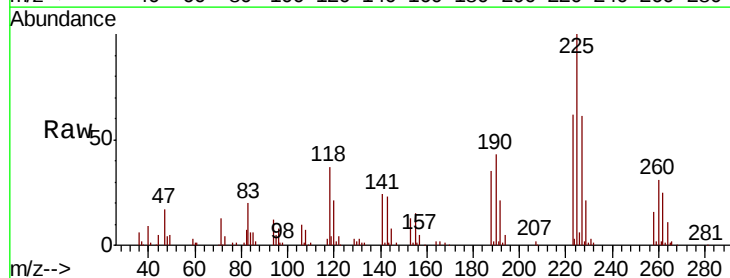
Instrument :
 MSVOA_D
 ClientSampleId :

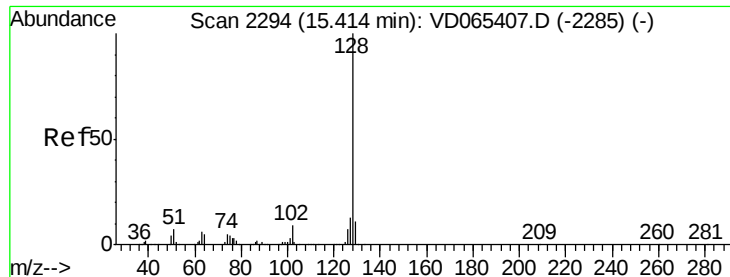
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.3	144.9
145	29.1	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 21.497 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065501.D
 Acq: 13 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.5
227	62.8	31.6	94.7

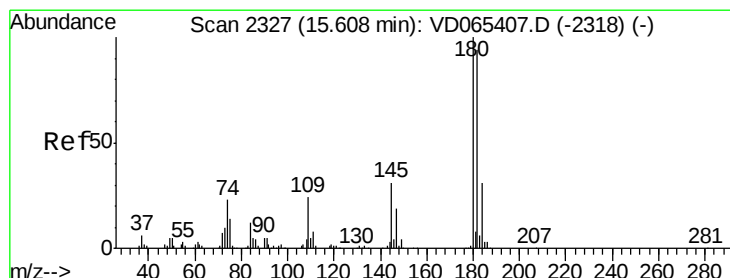
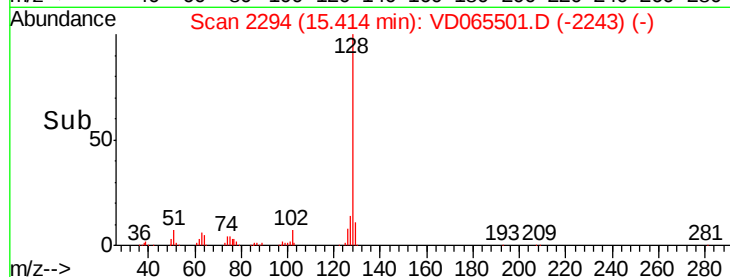
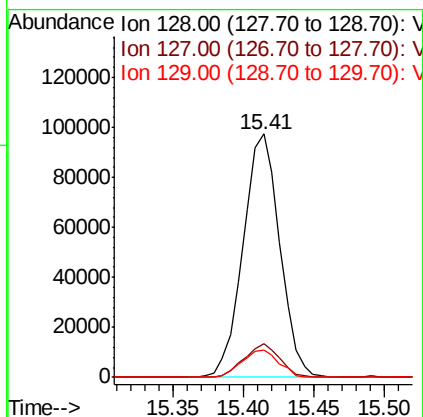
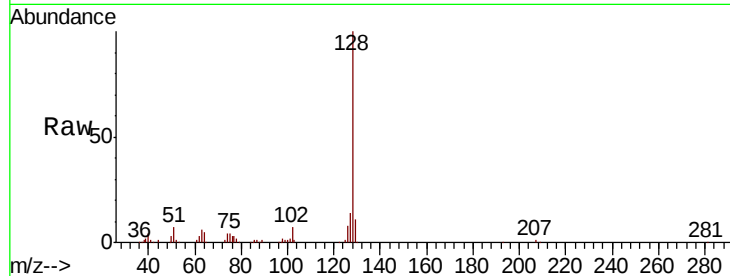




#95
Naphthalene
Concen: 20.536 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 177664
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.142 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065501.D
Acq: 13 Mar 2020 12:37

Tgt Ion:180 Resp: 102959
Ion Ratio Lower Upper
180 100
182 95.9 46.9 140.6
145 29.5 15.0 45.1

