

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065507.D
 Acq On : 13 Mar 2020 16:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 16 01:45:00 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	473915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	676126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	204106	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.92	113	220923	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
50) Toluene-d8	10.34	98	833573	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.64	95	273604	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	159900	39.259	ug/l	99
3) Chloromethane	2.21	50	195994	39.858	ug/l	98
4) Vinyl Chloride	2.35	62	203724	42.003	ug/l	97
5) Bromomethane	2.77	94	135575	49.873	ug/l	100
6) Chloroethane	2.92	64	130729	44.008	ug/l	99
7) Trichlorofluoromethane	3.27	101	316995	44.355	ug/l	98
8) Diethyl Ether	3.71	74	100048	47.075	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	210234	45.675	ug/l	98
10) Methyl Iodide	4.29	142	233126	48.752	ug/l	99
11) Tert butyl alcohol	5.25	59	56605	242.752	ug/l	100
12) 1,1-Dichloroethene	4.06	96	198311	44.994	ug/l	96
13) Acrolein	3.92	56	89620	222.853	ug/l	98
14) Allyl chloride	4.71	41	304664	44.998	ug/l	99
15) Acrylonitrile	5.43	53	217091	234.795	ug/l	99
16) Acetone	4.16	43	170452	207.323	ug/l	98
17) Carbon Disulfide	4.40	76	608518	41.459	ug/l	100
18) Methyl Acetate	4.72	43	95262	45.678	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	418807	49.412	ug/l	100
20) Methylene Chloride	4.97	84	228030	51.153	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	223967	45.680	ug/l	97
22) Diisopropyl ether	6.37	45	634664	50.425	ug/l	99
23) Vinyl Acetate	6.31	43	1769396	253.187	ug/l	99
24) 1,1-Dichloroethane	6.27	63	379178	46.969	ug/l	98
25) 2-Butanone	7.23	43	256551	228.664	ug/l	97
26) 2,2-Dichloropropane	7.21	77	324663	46.020	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	241747	48.238	ug/l	99
28) Bromochloromethane	7.55	49	168463	52.157	ug/l	100
29) Tetrahydrofuran	7.57	42	169970	237.225	ug/l	98
30) Chloroform	7.71	83	390830	48.435	ug/l	98
31) Cyclohexane	7.98	56	350184	43.380	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	346300	46.441	ug/l	99
36) 1,1-Dichloropropene	8.11	75	306530	47.296	ug/l	99
37) Ethyl Acetate	7.30	43	122853	49.042	ug/l	100
38) Carbon Tetrachloride	8.10	117	321307	47.808	ug/l	98

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 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)
39) Methylcyclohexane	9.36	83	371149	47.414	ug/l	96
40) Benzene	8.36	78	885325	48.857	ug/l	100
41) Methacrylonitrile	7.53	41	68713	51.867	ug/l	89
42) 1,2-Dichloroethane	8.43	62	233300	49.304	ug/l	100
43) Isopropyl Acetate	8.46	43	226057	48.873	ug/l	98
44) Trichloroethene	9.11	130	251580	49.161	ug/l	96
45) 1,2-Dichloropropane	9.39	63	219637	50.037	ug/l	99
46) Dibromomethane	9.48	93	113406	49.809	ug/l	97
47) Bromodichloromethane	9.67	83	299452	50.555	ug/l	97
48) Methyl methacrylate	9.46	41	105889	48.668	ug/l	98
49) 1,4-Dioxane	9.47	88	23892	917.379	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	600289	257.900	ug/l	100
52) Toluene	10.41	92	575168	50.385	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	283312	51.182	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	340839	50.870	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	160435	49.751	ug/l	99
56) Ethyl methacrylate	10.67	69	191653	52.718	ug/l	100
57) 1,3-Dichloropropane	10.95	76	278568	51.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	270219	237.927	ug/l	100
59) 2-Hexanone	10.99	43	404978	251.342	ug/l	98
60) Dibromochloromethane	11.14	129	211542	51.176	ug/l	99
61) 1,2-Dibromoethane	11.25	107	156027	50.725	ug/l	98
64) Tetrachloroethene	10.88	164	215502	47.733	ug/l	98
65) Chlorobenzene	11.67	112	602899	48.356	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	227736	50.152	ug/l	98
67) Ethyl Benzene	11.75	91	1070927	49.710	ug/l	99
68) m/p-Xylenes	11.86	106	830339	99.959	ug/l	99
69) o-Xylene	12.18	106	371382	50.826	ug/l	100
70) Styrene	12.20	104	664477	51.670	ug/l	100
71) Bromoform	12.37	173	125961	49.384	ug/l #	100
73) Isopropylbenzene	12.48	105	1024436	49.698	ug/l	100
74) N-amyl acetate	12.30	43	204625	48.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	170079	46.940	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	224282	90.696	ug/l #	100
77) Bromobenzene	12.77	156	250882	48.987	ug/l	99
78) n-propylbenzene	12.83	91	1210579	49.497	ug/l	100
79) 2-Chlorotoluene	12.91	91	668977	48.533	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	839370	49.531	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	56745	48.424	ug/l	99
82) 4-Chlorotoluene	13.01	91	711747	49.138	ug/l	99
83) tert-Butylbenzene	13.23	119	717556	50.050	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	841891	50.400	ug/l	100
85) sec-Butylbenzene	13.41	105	1007840	49.248	ug/l	99
86) p-Isopropyltoluene	13.53	119	932548	49.939	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	474286	48.170	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	470639	48.052	ug/l	99
89) n-Butylbenzene	13.85	91	853485	49.438	ug/l	98
90) Hexachloroethane	14.12	117	182091	47.350	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	409852	48.914	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25847	46.840	ug/l	97

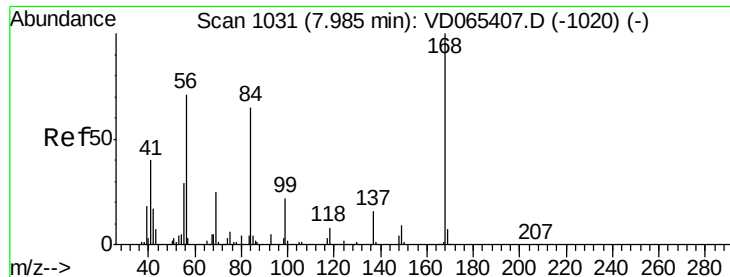
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031320\
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273166	48.101	ug/l	100
94) Hexachlorobutadiene	15.28	225	176964	47.424	ug/l	100
95) Naphthalene	15.41	128	453722	45.282	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	239483	48.800	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

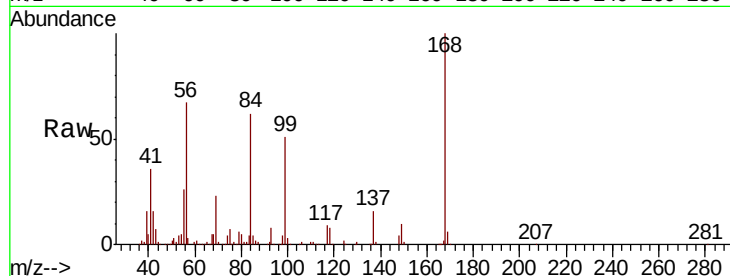
ClientSampled :

Tot Ion:168 Resp: 473915

Ion Ratio Lower Upper

168 100

99 51.2 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

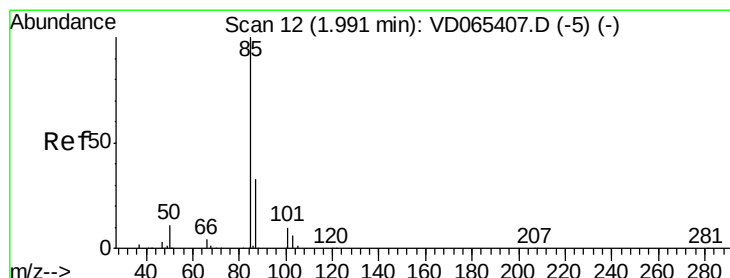
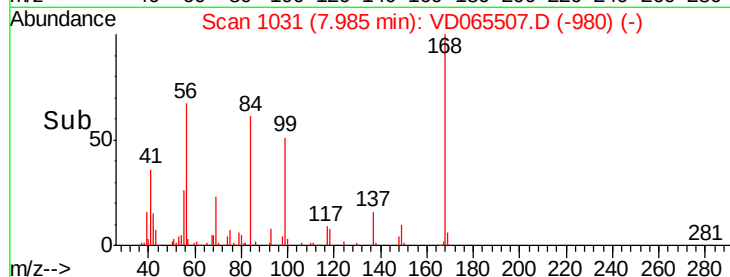
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 39.259 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065507.D

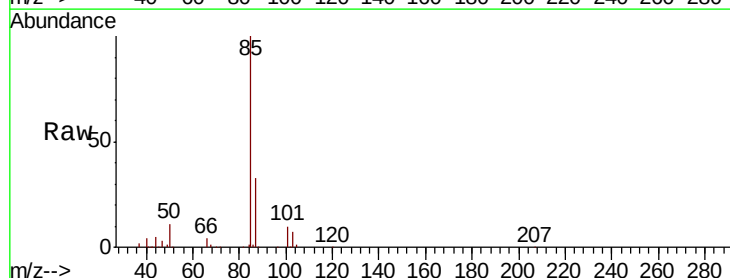
Acq: 13 Mar 2020 16:46

Tgt Ion: 85 Resp: 159900

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

50000

0

1.90

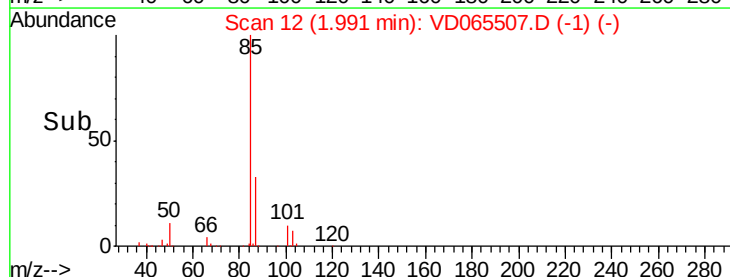
1.95

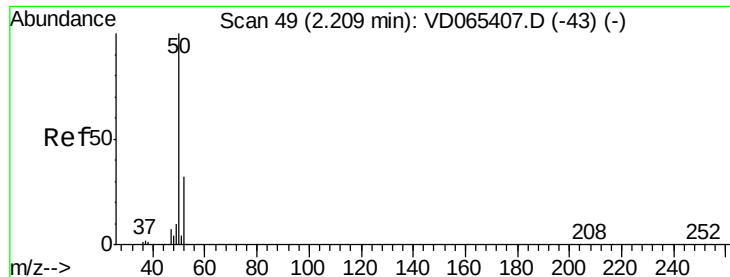
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 39.858 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

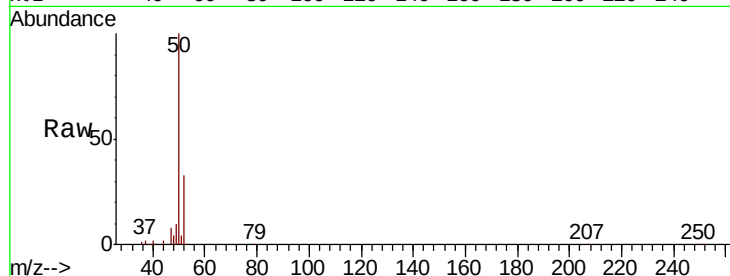
ClientSampleId :

Tot Ion: 50 Resp: 195994

Ion Ratio Lower Upper

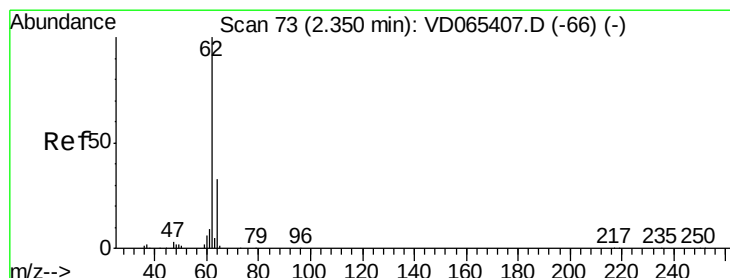
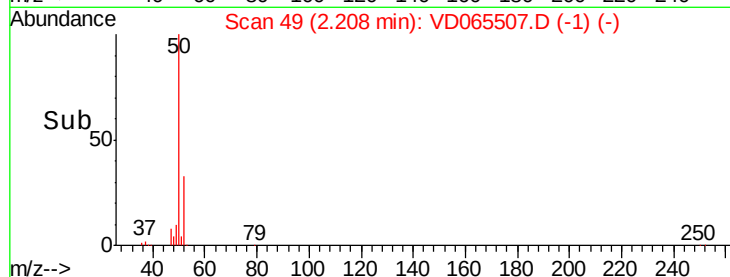
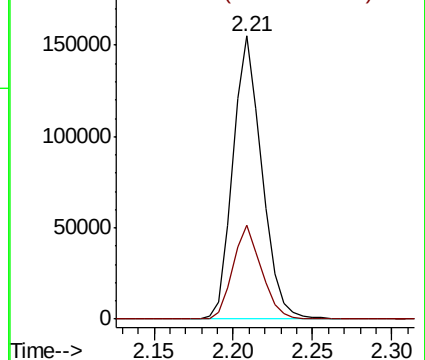
50 100

52 33.4 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: 42.003 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065507.D

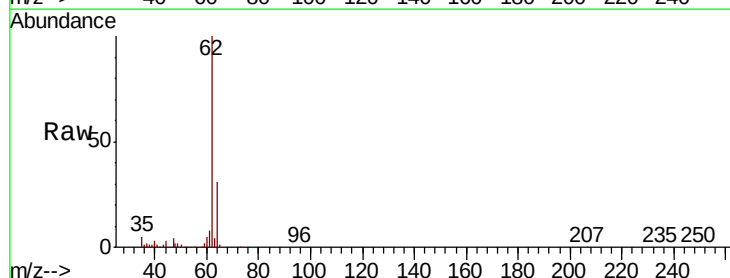
Acq: 13 Mar 2020 16:46

Tgt Ion: 62 Resp: 203724

Ion Ratio Lower Upper

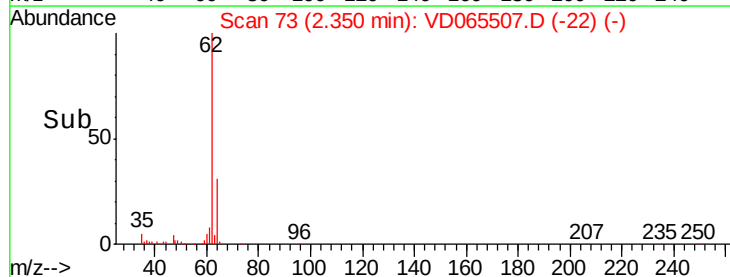
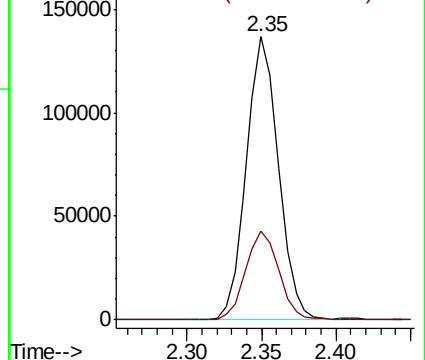
62 100

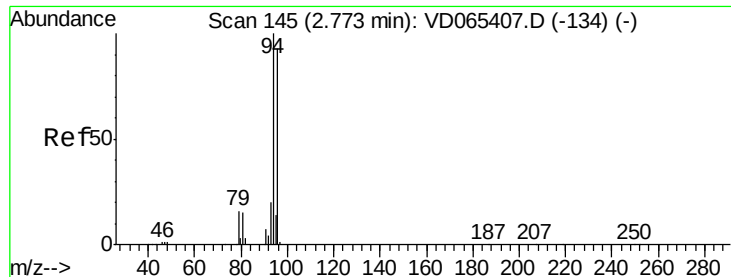
64 31.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.873 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

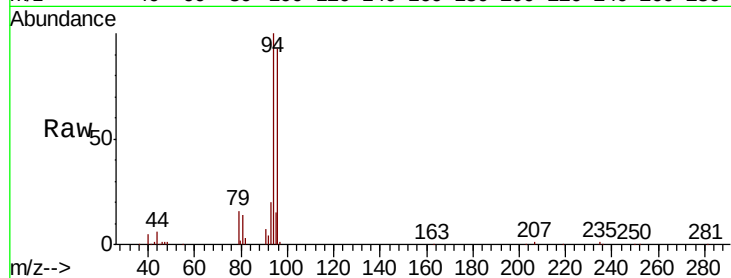
ClientSampleId :

Tot Ion: 94 Resp: 135575

Ion Ratio Lower Upper

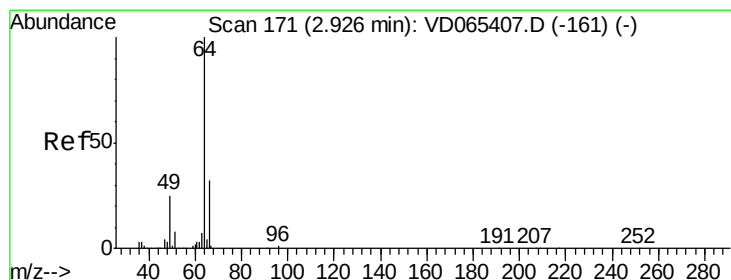
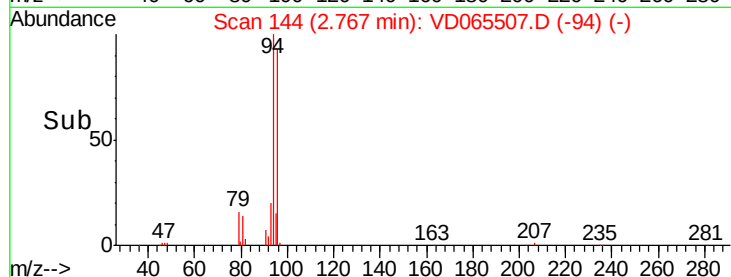
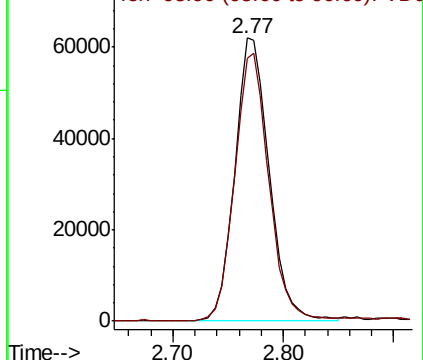
94 100

96 92.6 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: 44.008 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065507.D

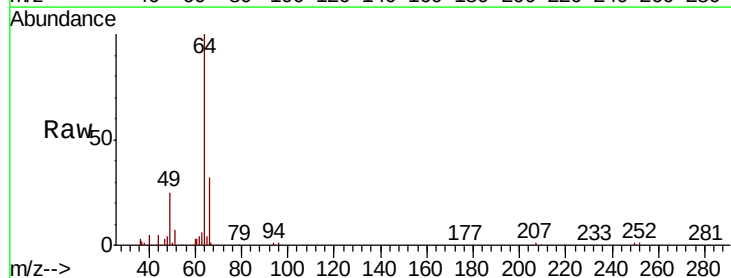
Acq: 13 Mar 2020 16:46

Tgt Ion: 64 Resp: 130729

Ion Ratio Lower Upper

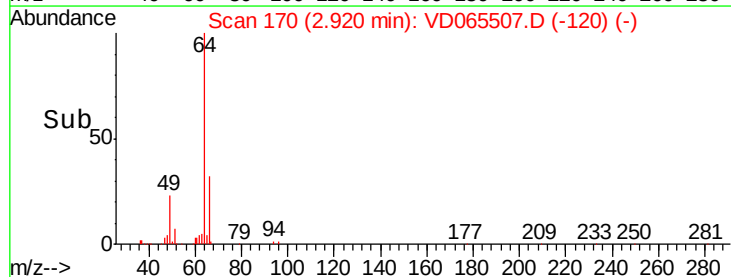
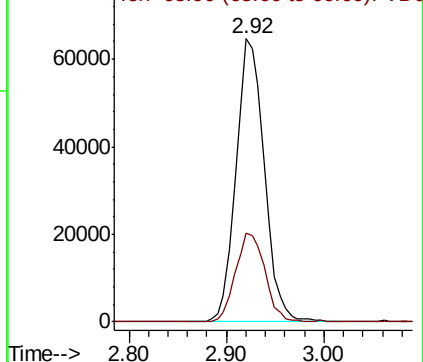
64 100

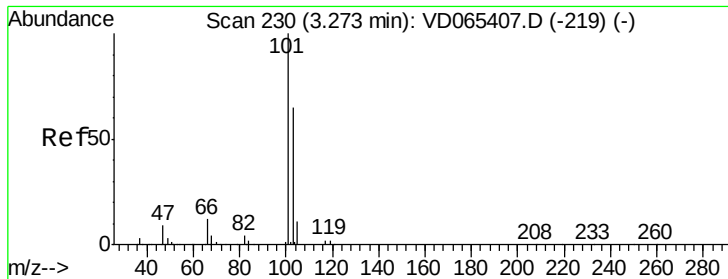
66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



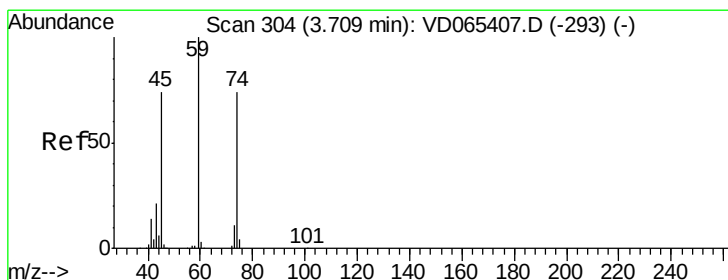
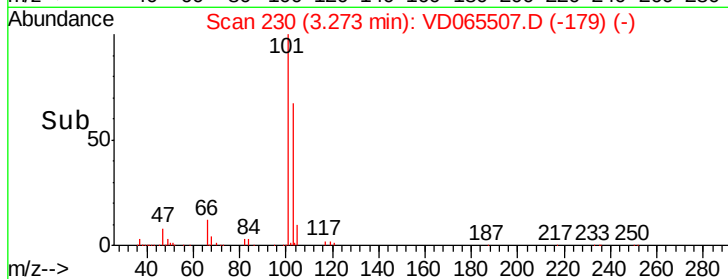
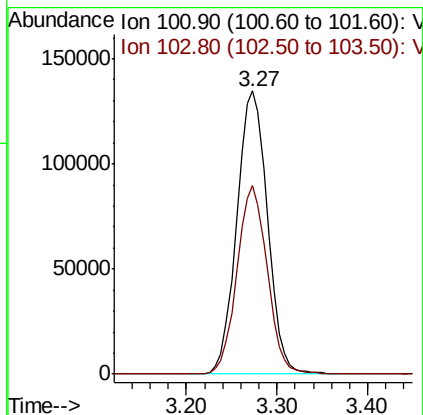
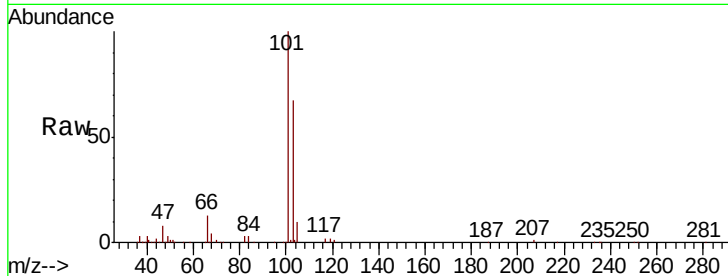


#7

Trichlorofluoromethane
 Concen: 44.355 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampled :

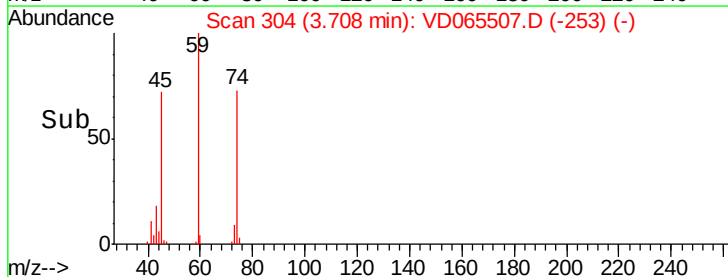
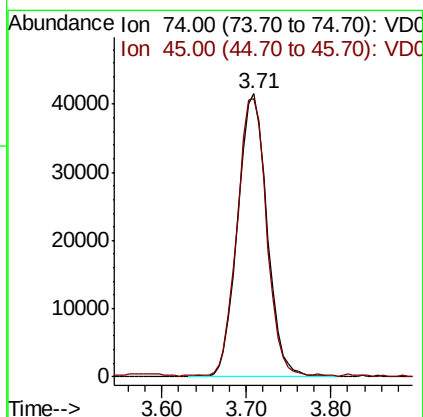
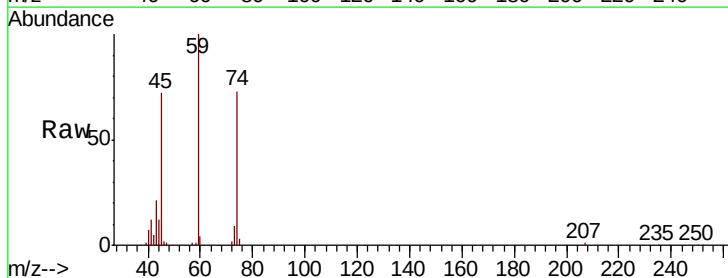
Tot Ion:101 Resp: 316995
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.1 78.1

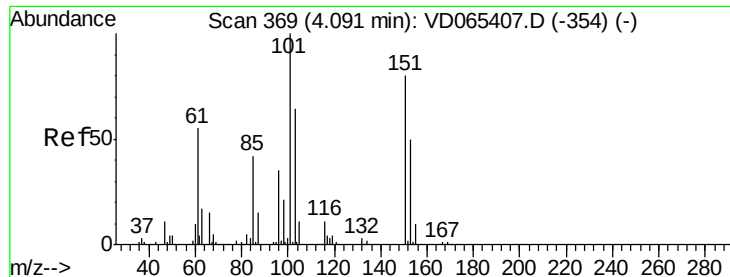


#8

Diethyl Ether
 Concen: 47.075 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion: 74 Resp: 100048
 Ion Ratio Lower Upper
 74 100
 45 97.9 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.675 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

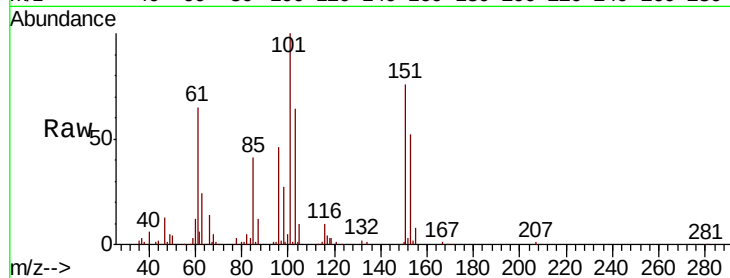
Tot Ion:101 Resp: 210234

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

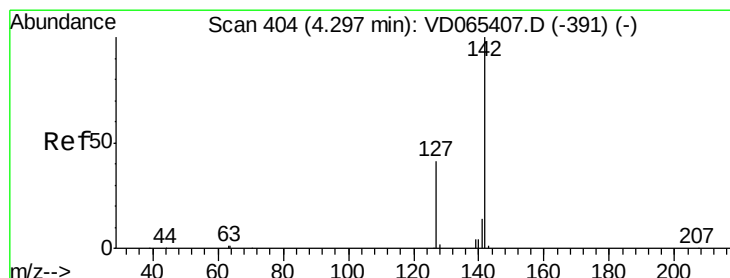
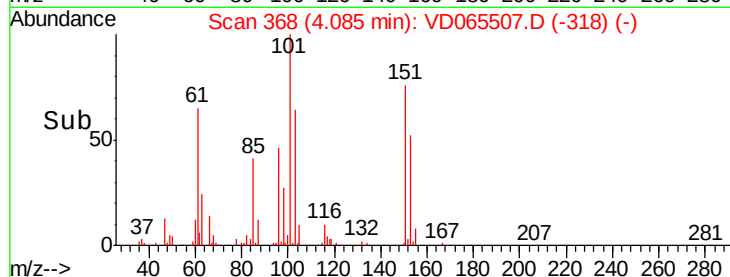
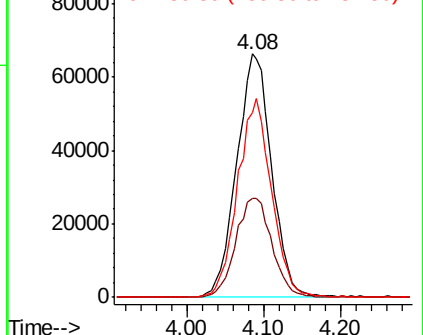
151 79.1 65.1 97.7



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: 48.752 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

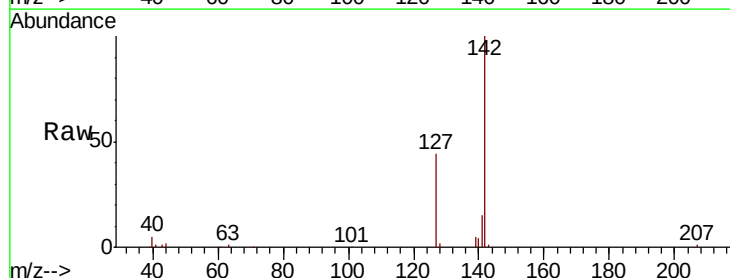
Tgt Ion:142 Resp: 233126

Ion Ratio Lower Upper

142 100

127 43.0 35.0 52.6

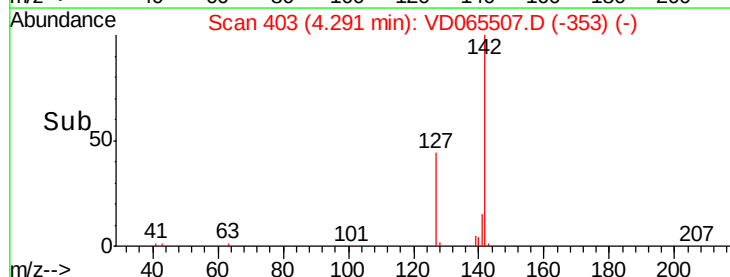
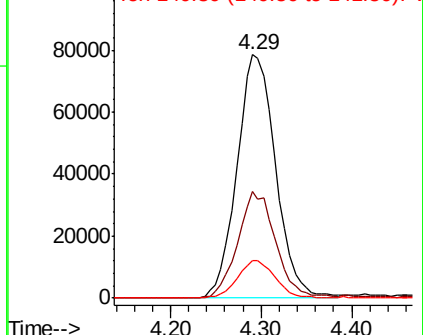
141 15.0 12.4 18.6

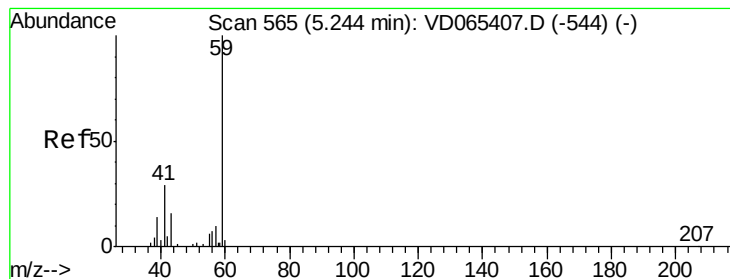


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



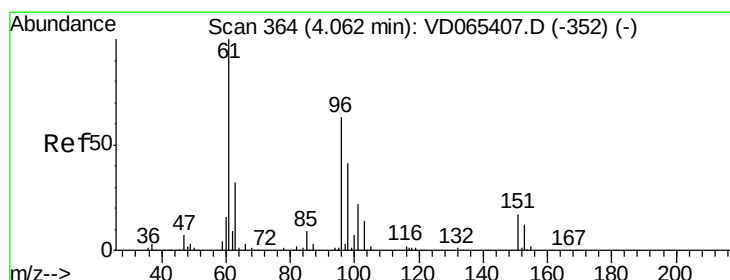
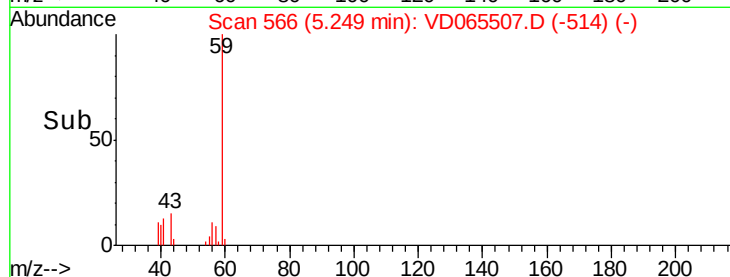
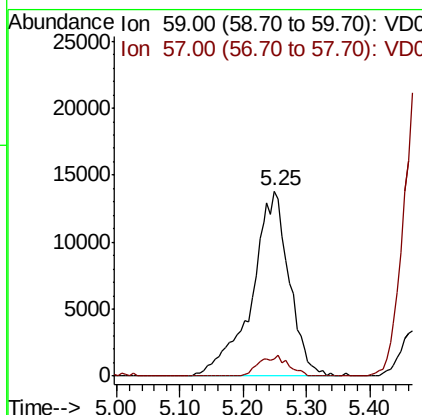
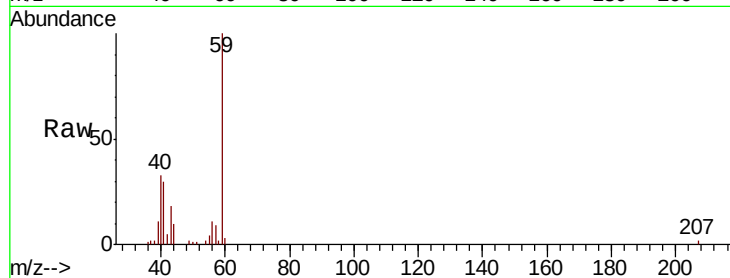


#11

Tert butyl alcohol
Concen: 242.752 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampled :

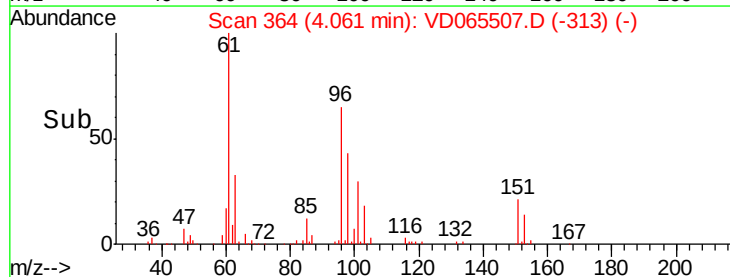
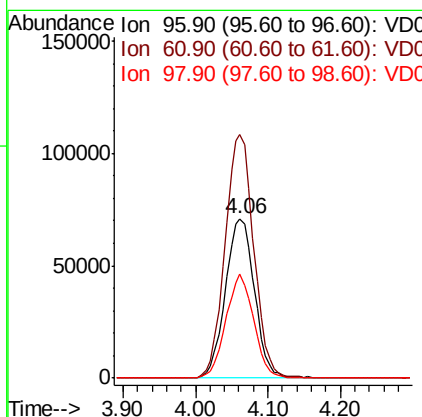
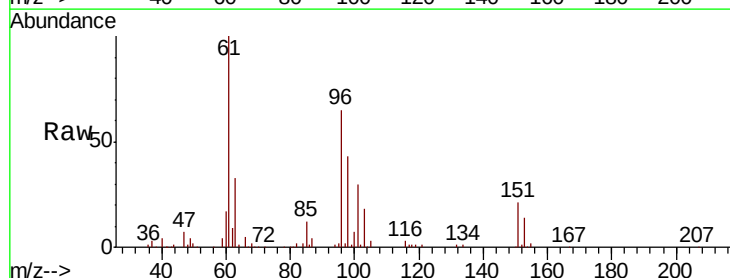
Tot Ion: 59 Resp: 56605
Ion Ratio Lower Upper
59 100
57 8.5 6.9 10.3

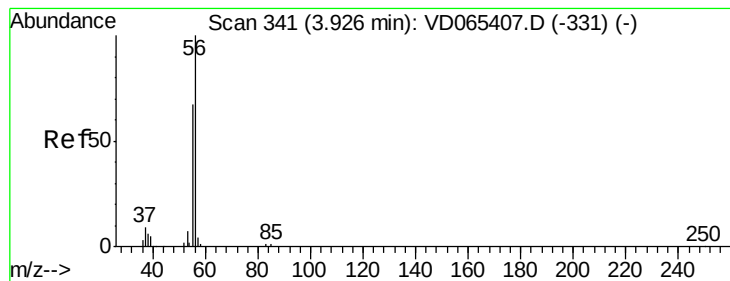


#12

1,1-Dichloroethene
Concen: 44.994 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 96 Resp: 198311
Ion Ratio Lower Upper
96 100
61 152.8 128.0 192.0
98 65.1 51.9 77.9





#13

Acrolein

Concen: 222.853 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

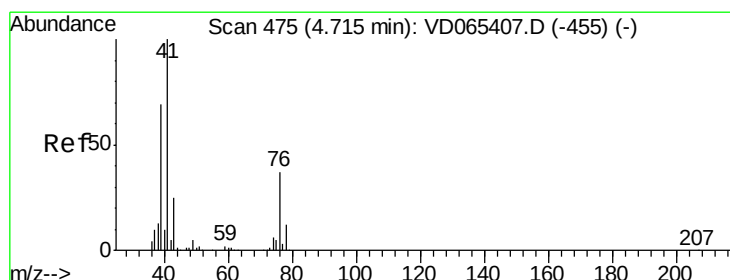
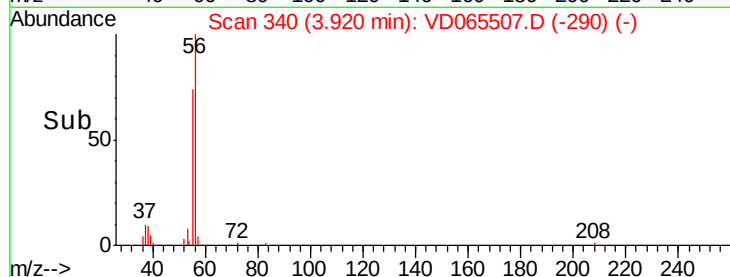
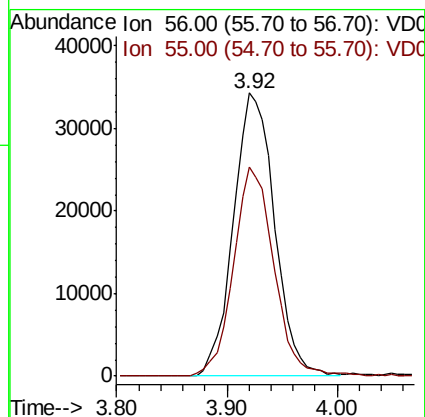
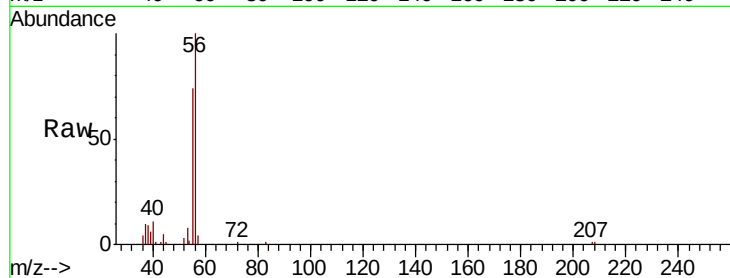
ClientSampleId :

Tot Ion: 56 Resp: 89620

Ion Ratio Lower Upper

56 100

55 72.4 56.6 85.0



#14

Allyl chloride

Concen: 44.998 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

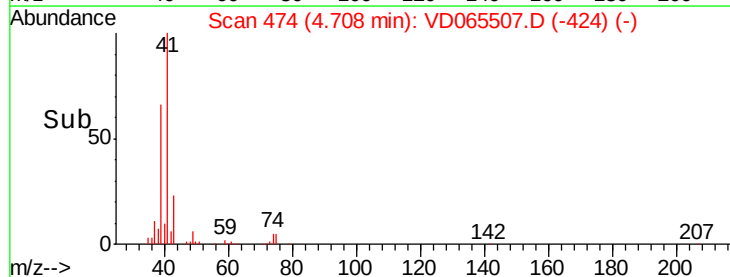
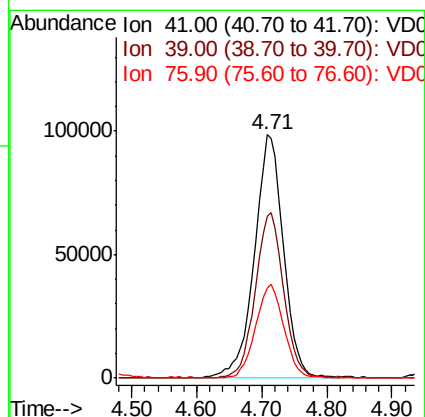
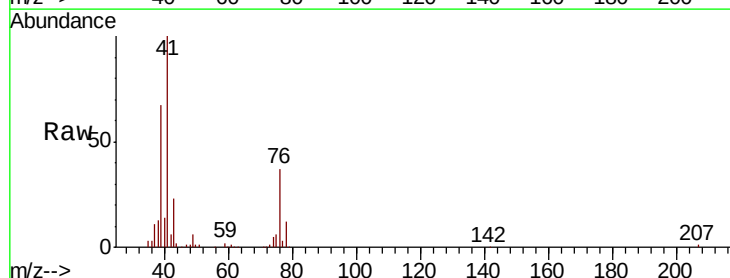
Tgt Ion: 41 Resp: 304664

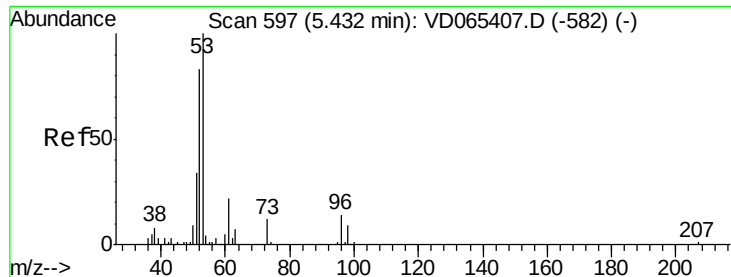
Ion Ratio Lower Upper

41 100

39 66.3 52.6 79.0

76 37.5 29.2 43.8





#15

Acrylonitrile

Concen: 234.795 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

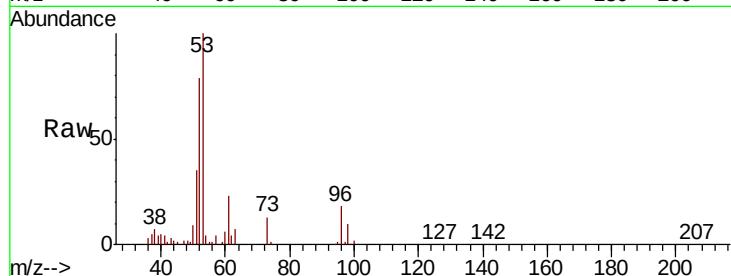
Tot Ion: 53 Resp: 217091

Ion Ratio Lower Upper

53 100

52 81.0 65.1 97.7

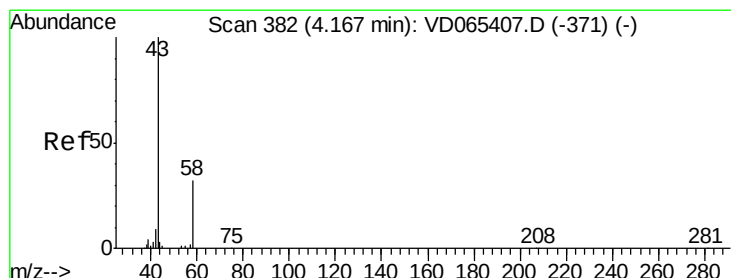
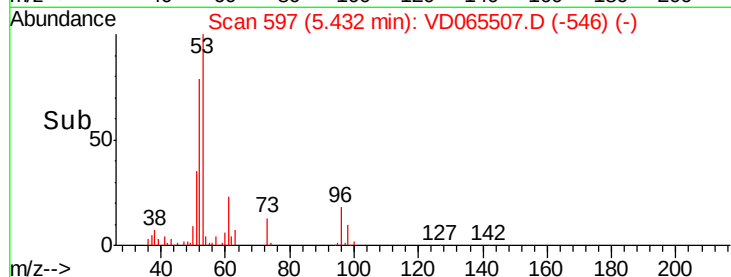
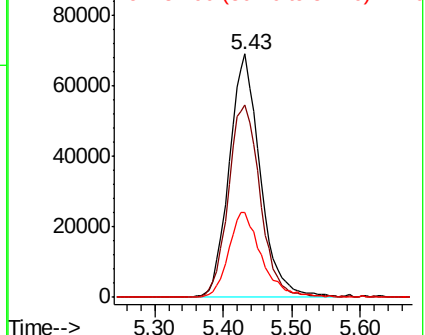
51 37.1 28.5 42.7



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: 207.323 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065507.D

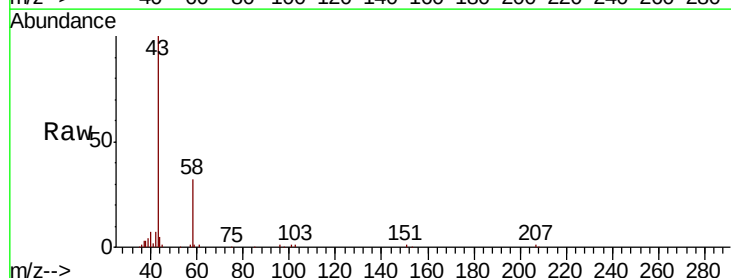
Acq: 13 Mar 2020 16:46

Tgt Ion: 43 Resp: 170452

Ion Ratio Lower Upper

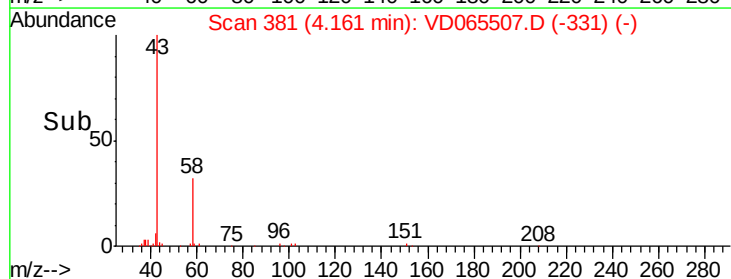
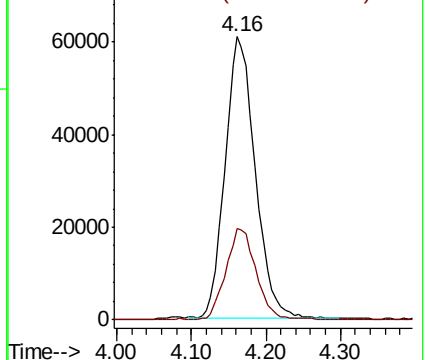
43 100

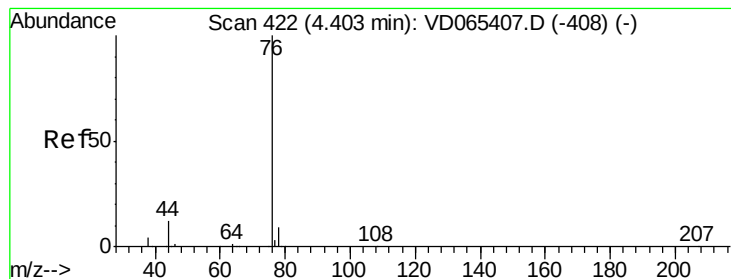
58 32.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 41.459 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

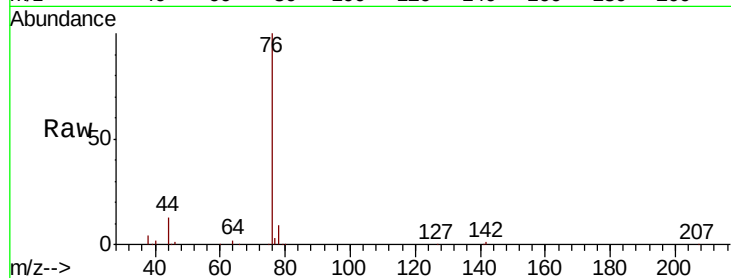
ClientSampleId :

Tot Ion: 76 Resp: 608518

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

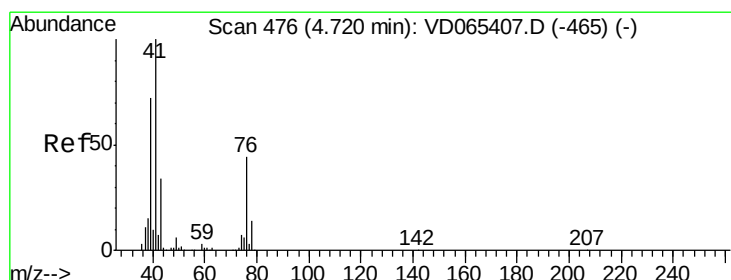
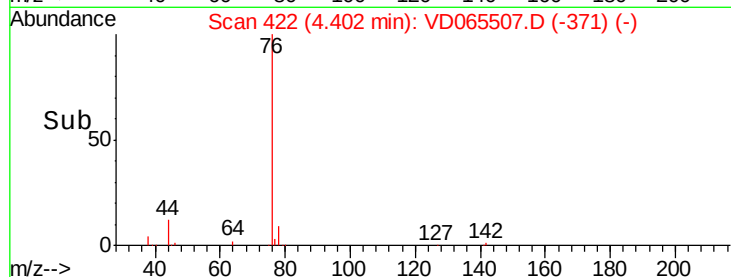
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.678 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065507.D

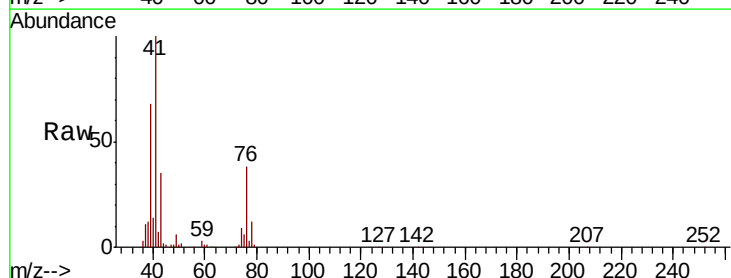
Acq: 13 Mar 2020 16:46

Tgt Ion: 43 Resp: 95262

Ion Ratio Lower Upper

43 100

74 24.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

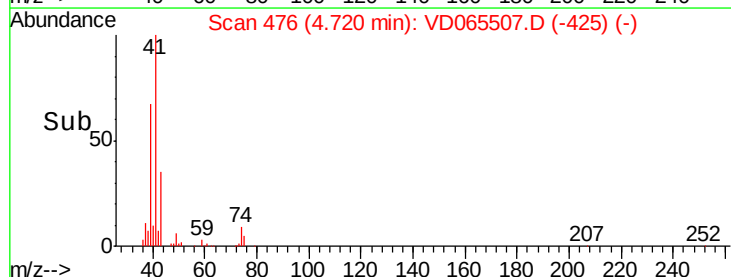
30000

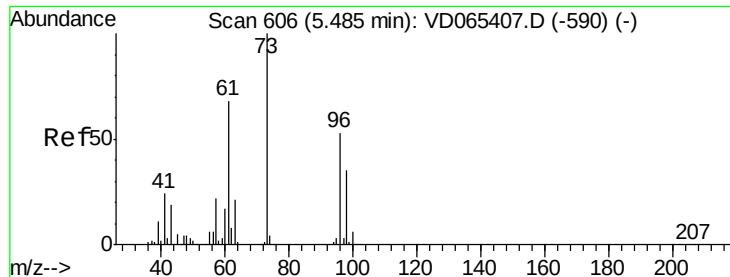
20000

10000

0

Time-->



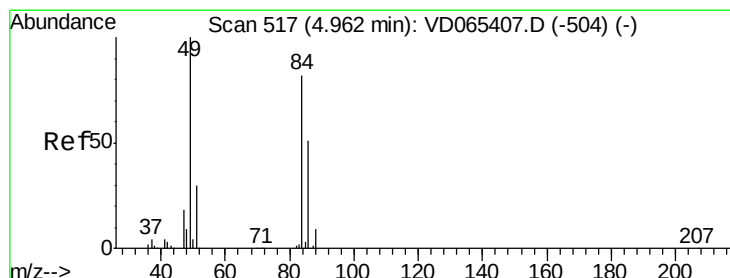
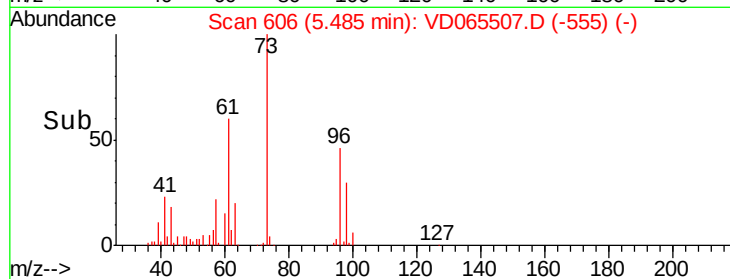
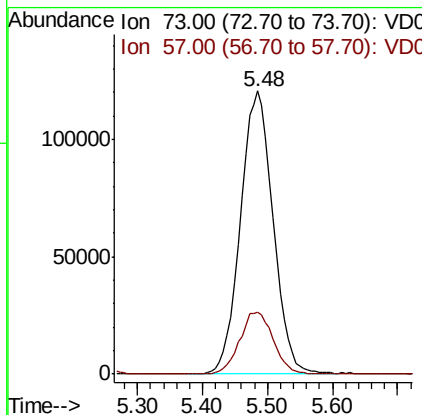
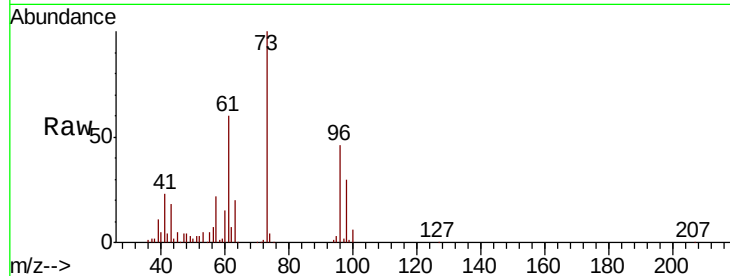


#19

Methyl tert-butyl Ether
 Concen: 49.412 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :

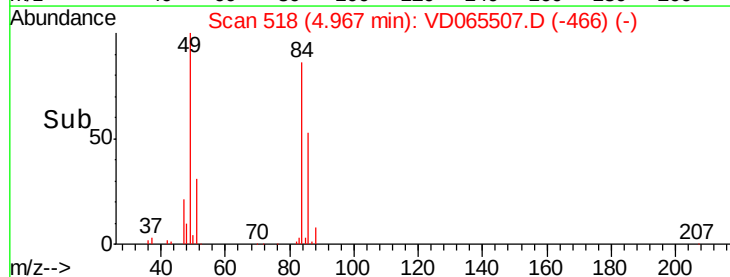
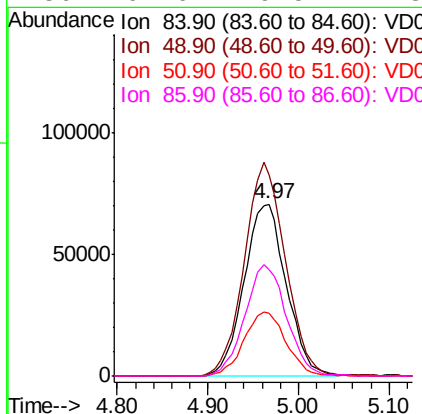
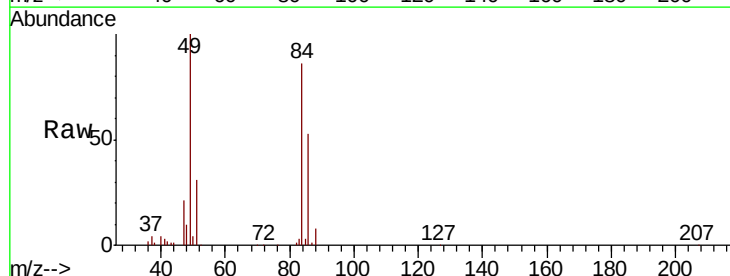
Tot Ion: 73 Resp: 418807
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.3 25.9

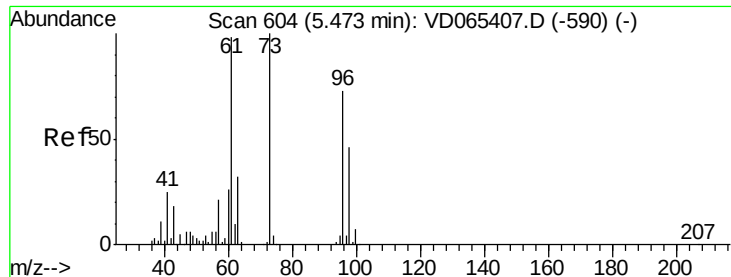


#20

Methylene Chloride
 Concen: 51.153 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion: 84 Resp: 228030
 Ion Ratio Lower Upper
 84 100
 49 116.7 97.7 146.5
 51 36.6 28.8 43.2
 86 61.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 45.680 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampled :

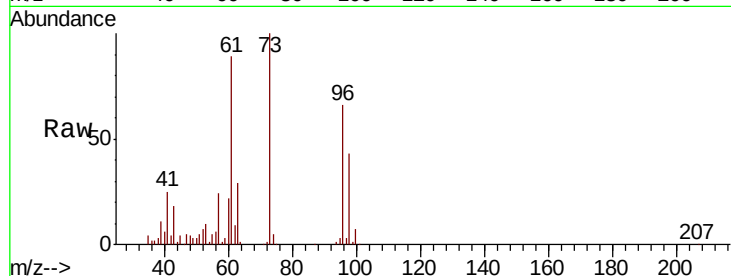
Tot Ion: 96 Resp: 223967

Ion Ratio Lower Upper

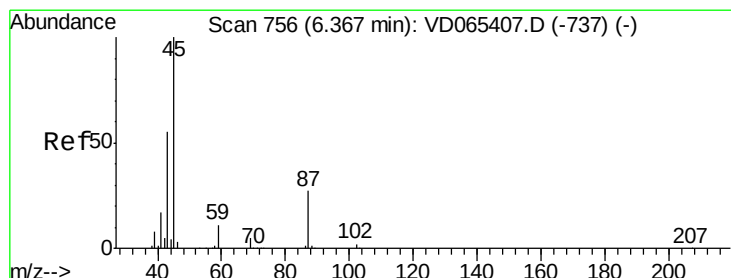
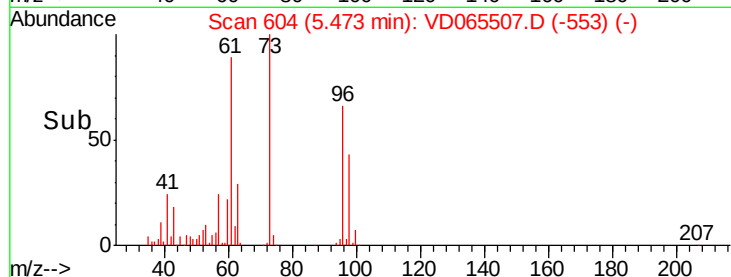
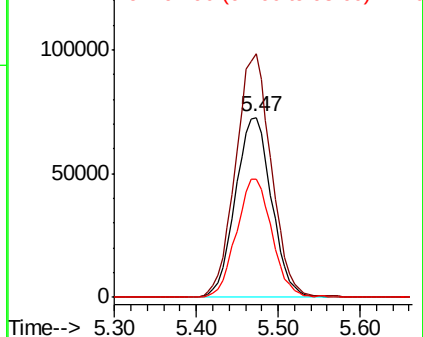
96 100

61 135.6 106.3 159.5

98 65.7 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: 50.425 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Tgt Ion: 45 Resp: 634664

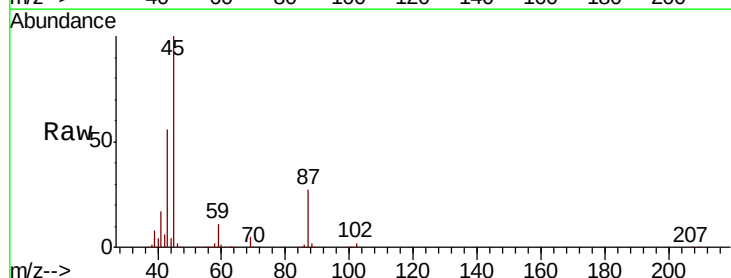
Ion Ratio Lower Upper

45 100

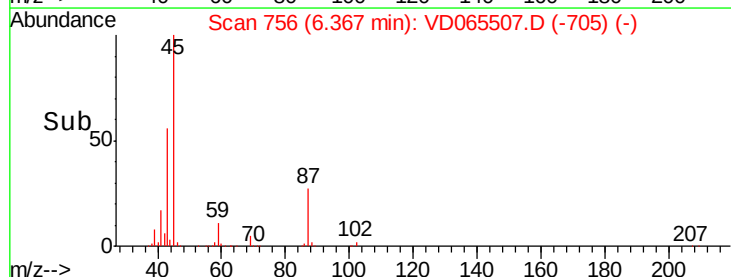
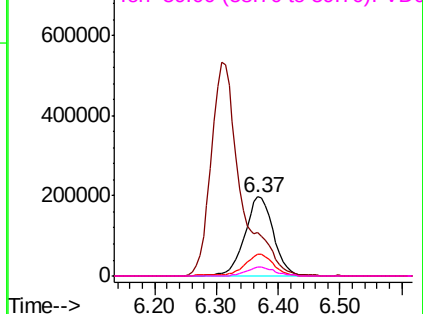
43 54.6 44.4 66.6

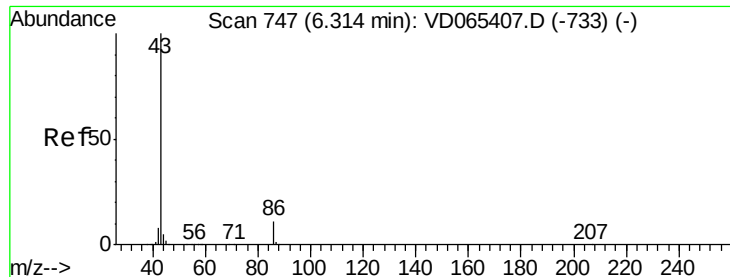
87 27.4 21.9 32.9

59 11.2 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: 253.187 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

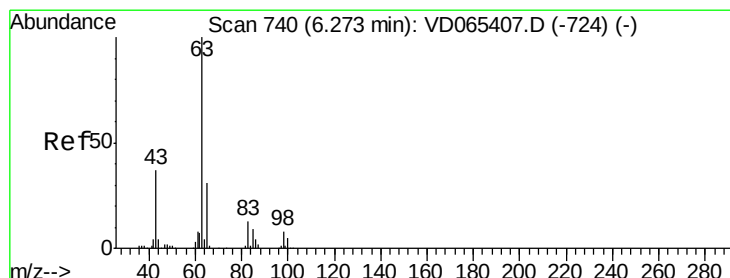
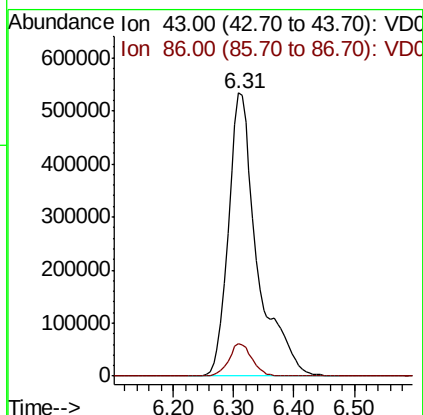
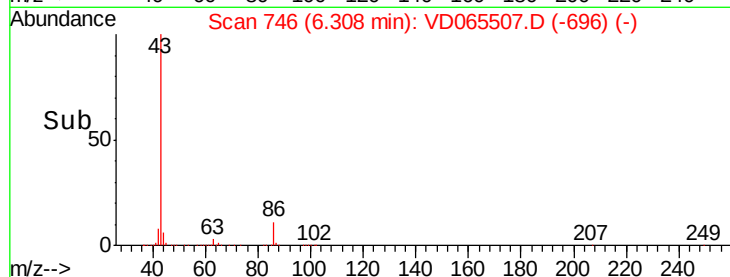
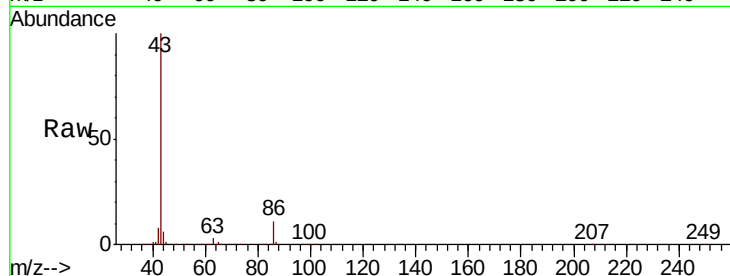
ClientSampleId :

Tot Ion: 43 Resp: 1769396

Ion Ratio Lower Upper

43 100

86 11.4 8.9 13.3



#24

1,1-Dichloroethane

Concen: 46.969 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

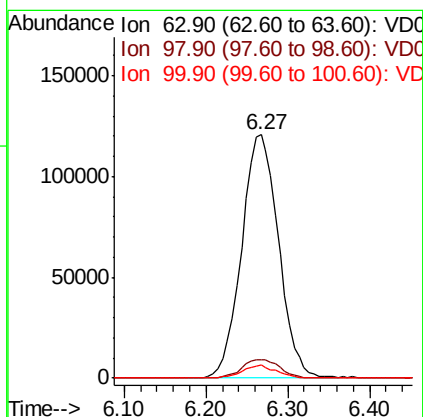
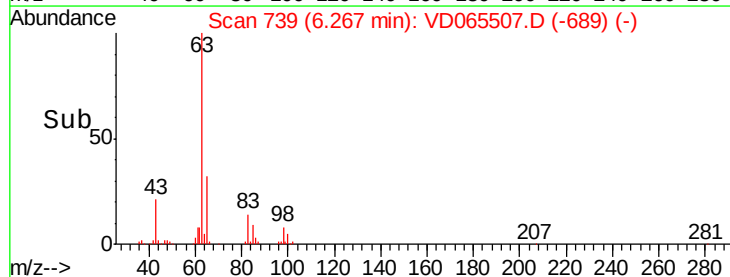
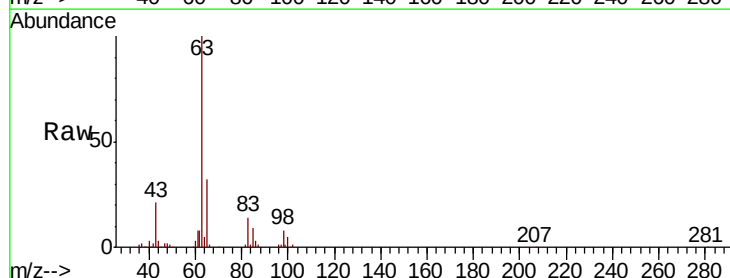
Tgt Ion: 63 Resp: 379178

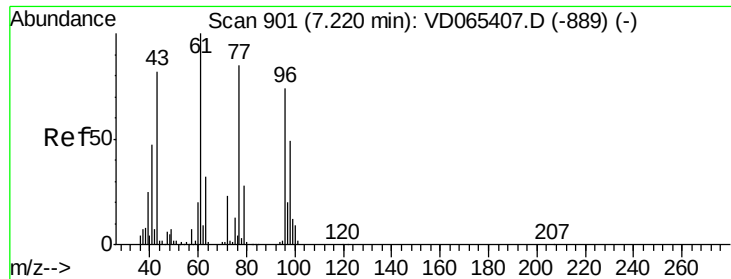
Ion Ratio Lower Upper

63 100

98 7.7 4.2 12.6

100 5.4 2.4 7.2





#25

2-Butanone

Concen: 228.664 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

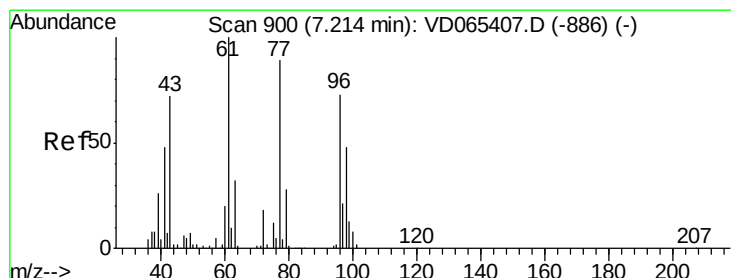
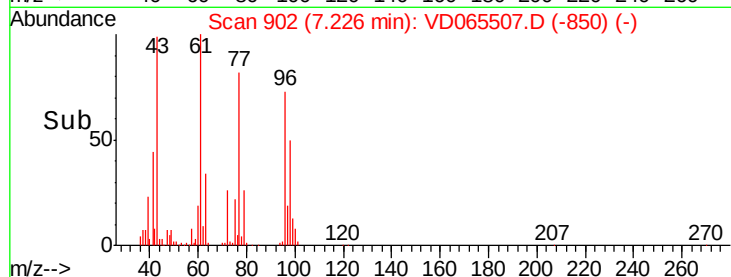
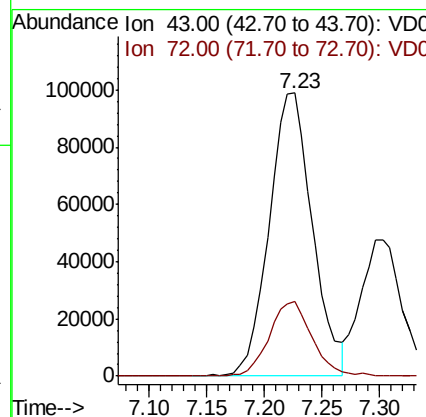
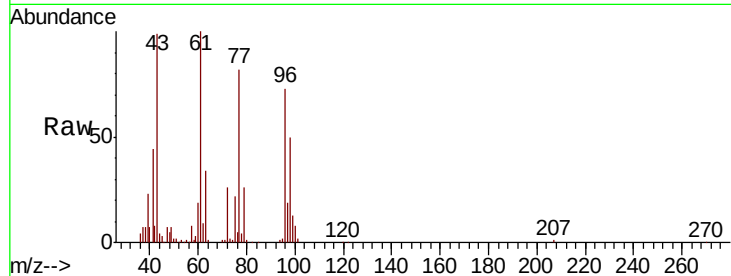
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 256551

Ion Ratio Lower Upper

43 100

72 26.6 22.3 33.5



#26

2,2-Dichloropropane

Concen: 46.020 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065507.D

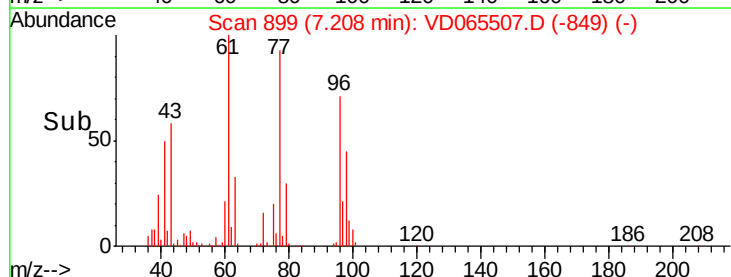
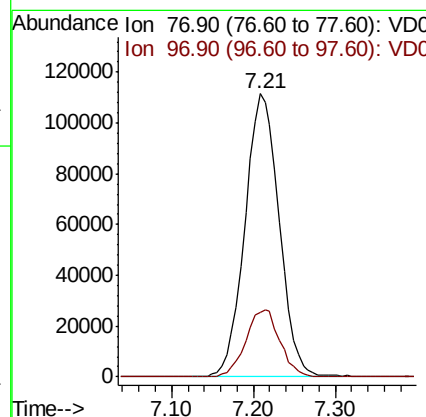
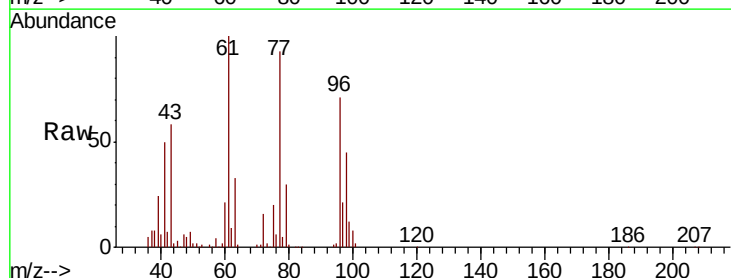
Acq: 13 Mar 2020 16:46

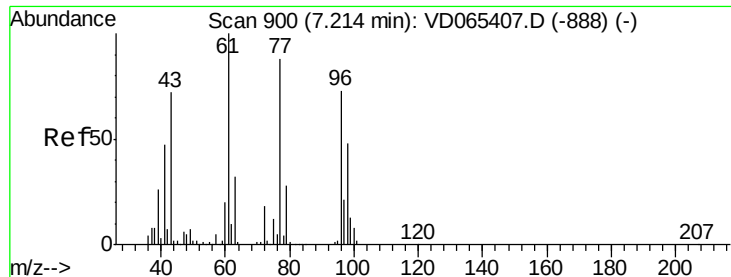
Tgt Ion: 77 Resp: 324663

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.4



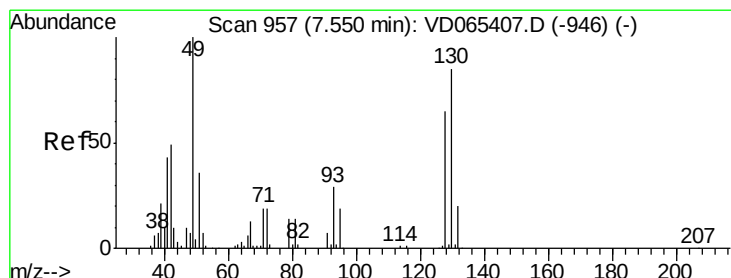
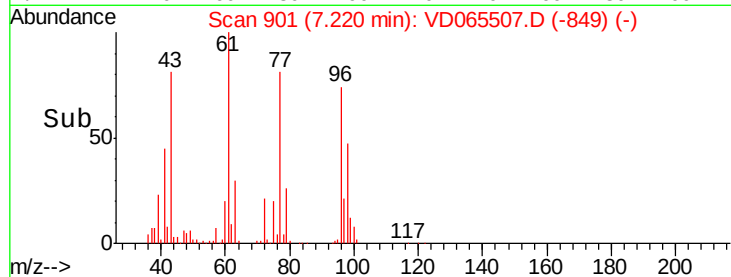
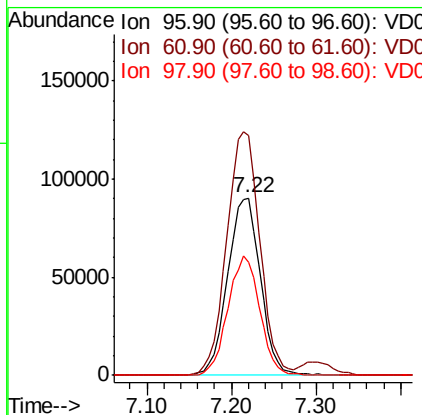
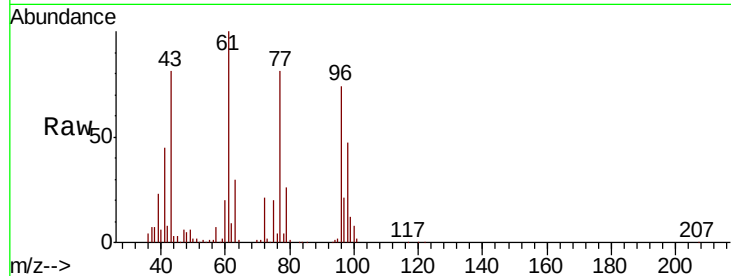


#27

cis-1,2-Dichloroethene
 Concen: 48.238 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :

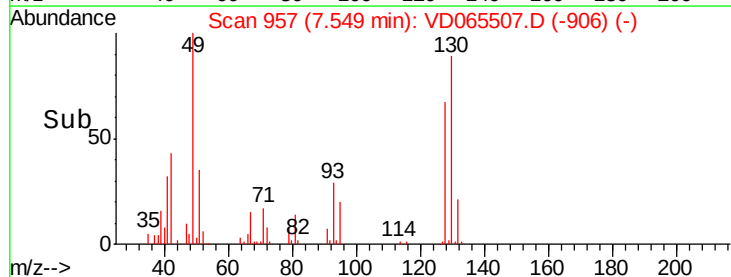
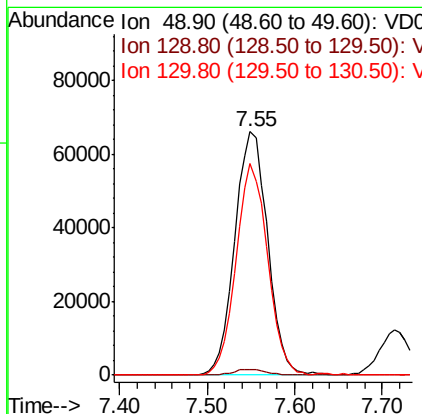
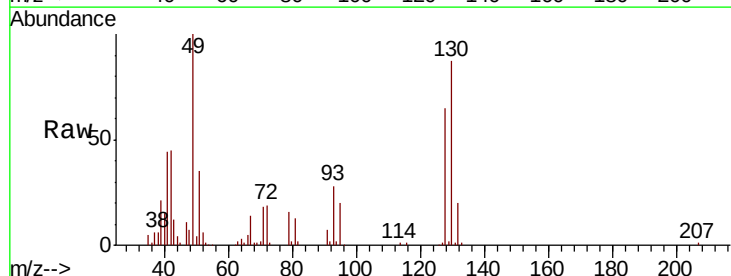
Tot Ion: 96 Resp: 241747
 Ion Ratio Lower Upper
 96 100
 61 139.3 0.0 280.4
 98 65.4 0.0 132.6

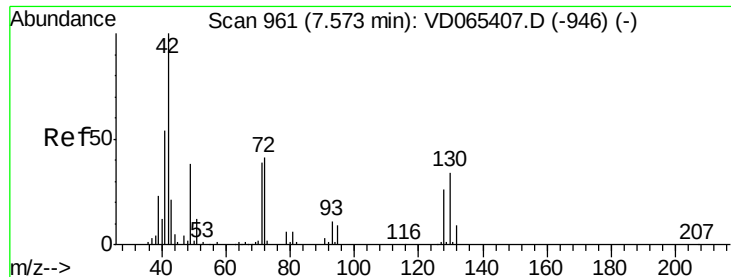


#28

Bromochloromethane
 Concen: 52.157 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion: 49 Resp: 168463
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.6
 130 83.3 66.6 100.0

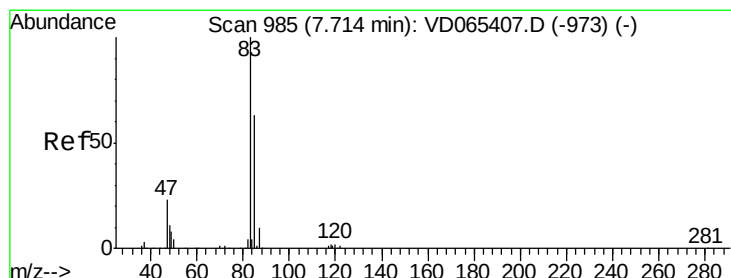
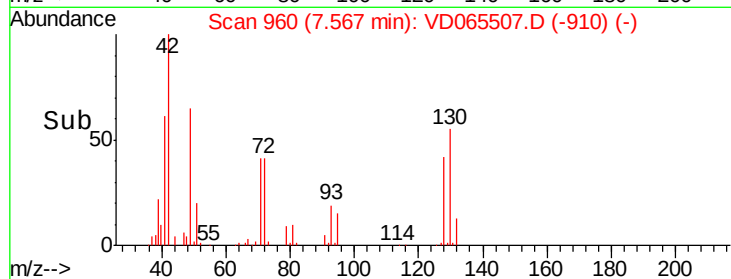
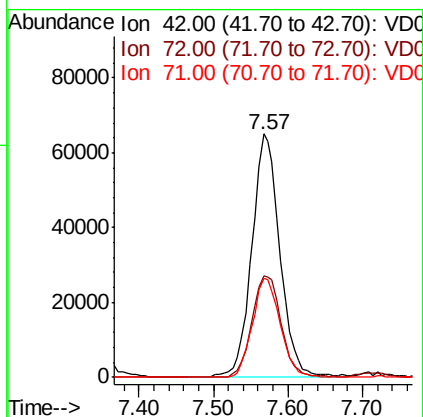
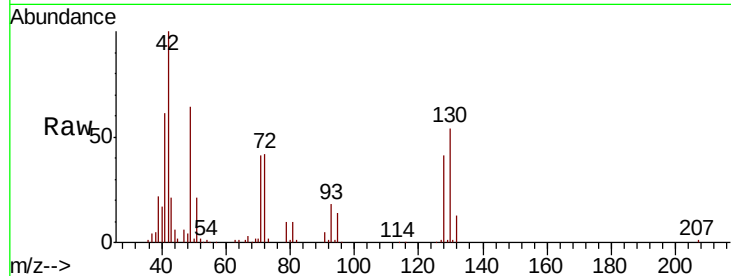




#29
Tetrahydrofuran
Concen: 237.225 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

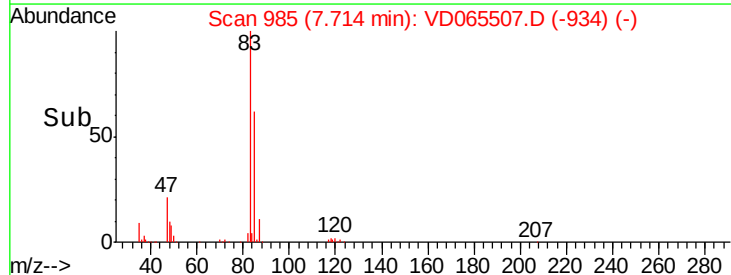
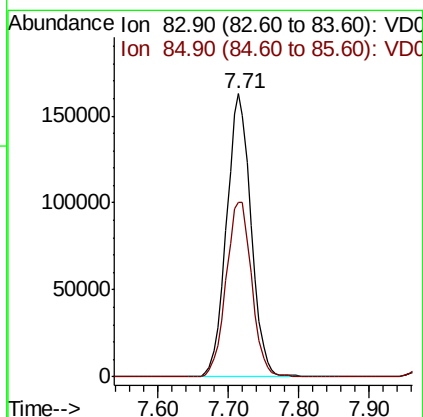
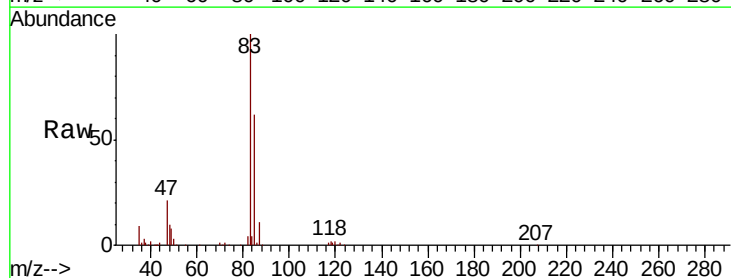
Instrument :
MSVOA_D
ClientSampled :

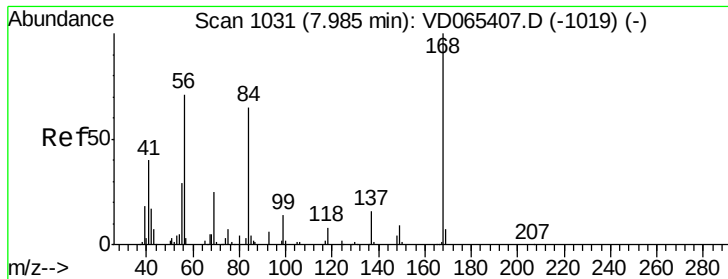
Tot Ion: 42 Resp: 169970
Ion Ratio Lower Upper
42 100
72 43.2 33.0 49.6
71 40.5 32.0 48.0



#30
Chloroform
Concen: 48.435 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 83 Resp: 390830
Ion Ratio Lower Upper
83 100
85 61.7 50.3 75.5

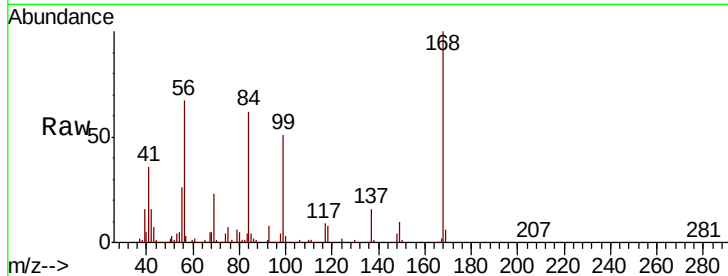




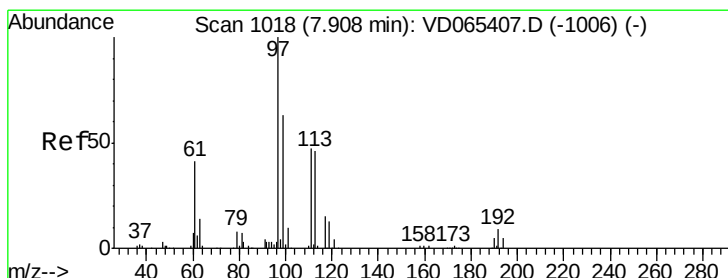
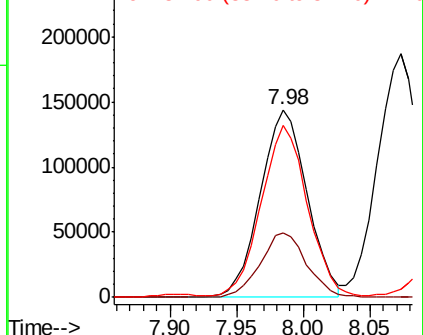
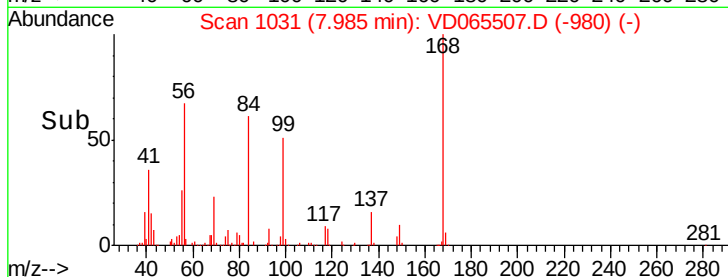
#31
Cyclohexane
Concen: 43.380 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 350184
Ion Ratio Lower Upper
56 100
69 34.3 28.3 42.5
84 90.3 73.1 109.7

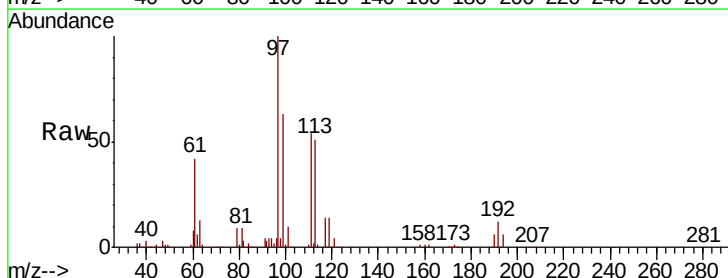


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

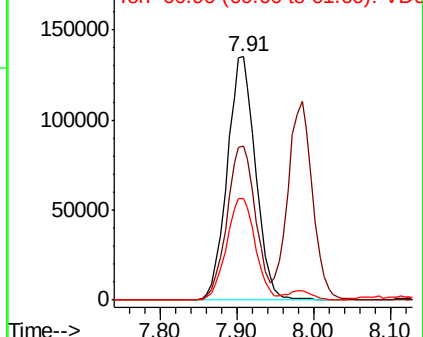
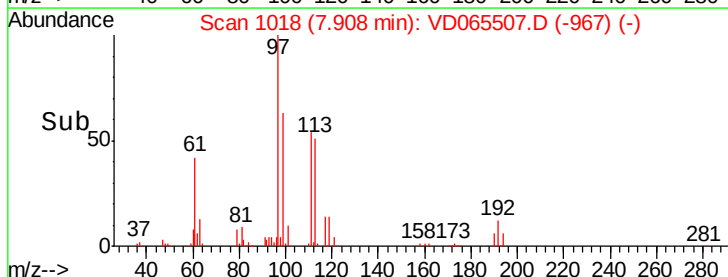


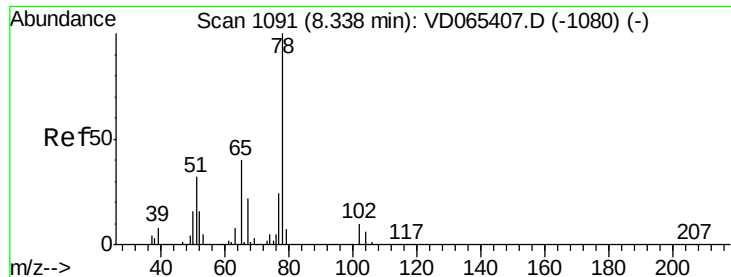
#32
1,1,1-Trichloroethane
Concen: 46.441 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 97 Resp: 346300
Ion Ratio Lower Upper
97 100
99 63.8 50.9 76.3
61 42.6 33.2 49.8



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

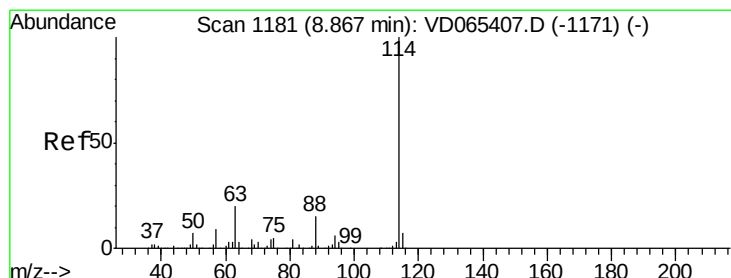
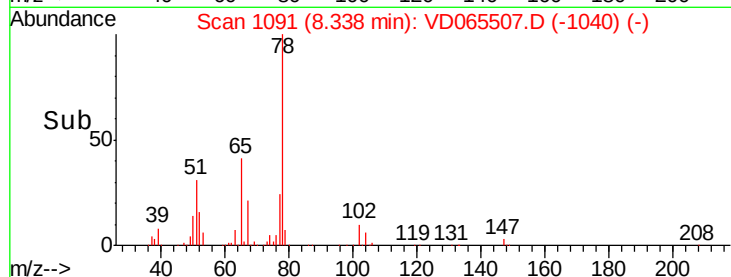
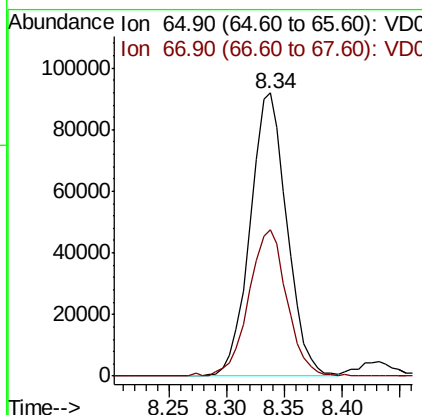
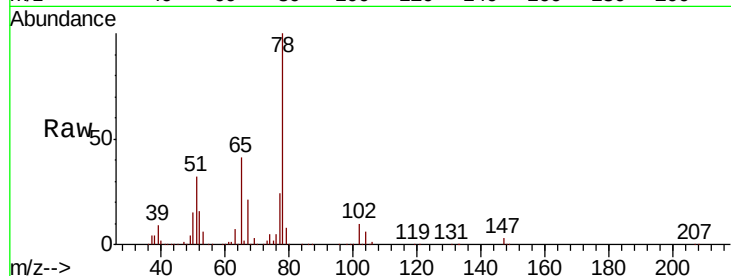




#33
 1,2-Dichloroethane-d4
 Concen: 50.208 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

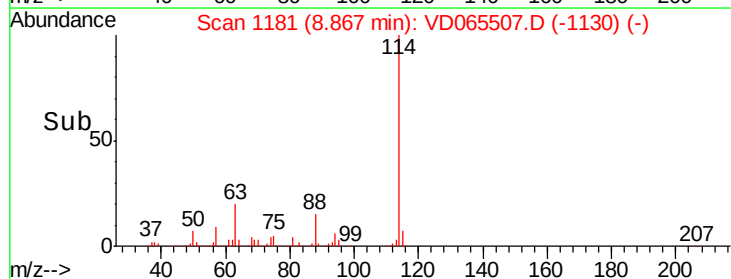
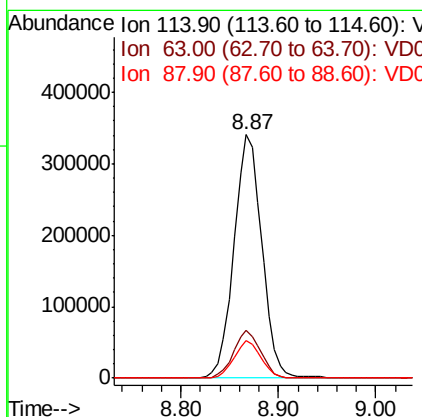
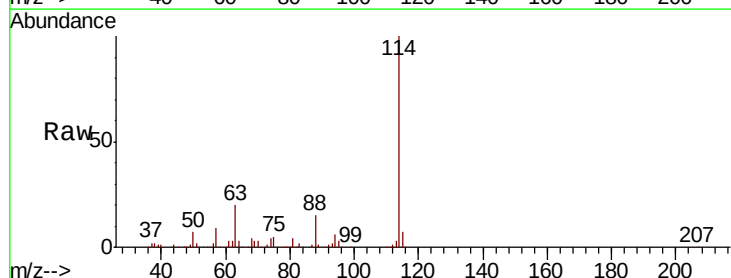
Instrument :
 MSVOA_D
 ClientSampleID :

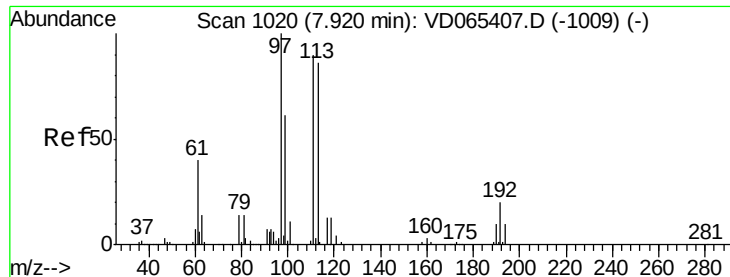
Tot Ion: 65 Resp: 204106
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion: 114 Resp: 676126
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 15.5 0.0 30.4

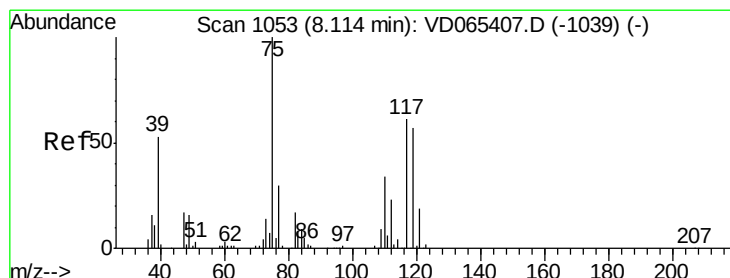
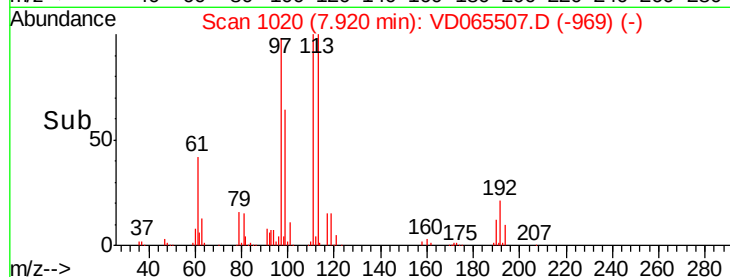
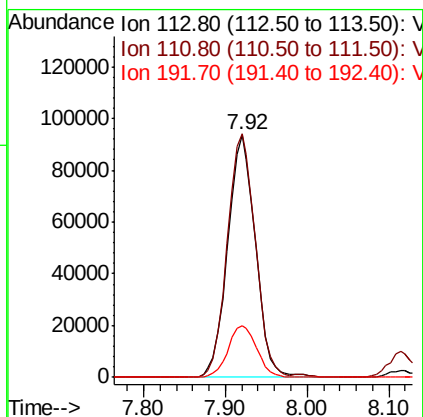
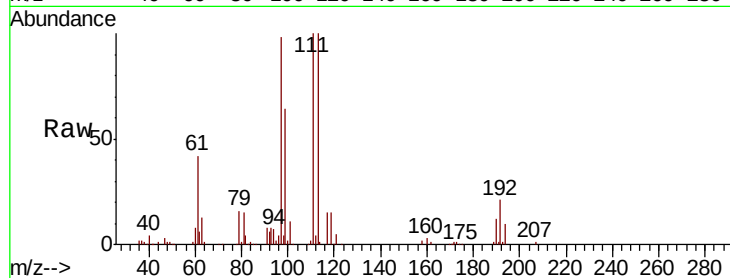




#35
 Dibromofluoromethane
 Concen: 52.837 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

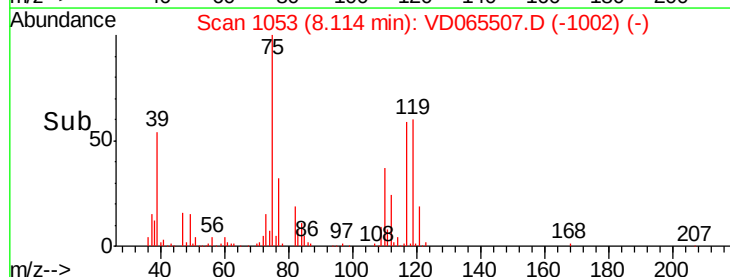
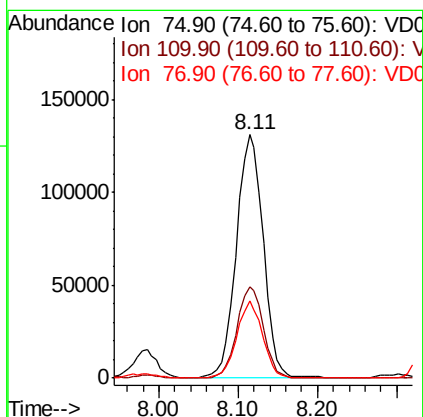
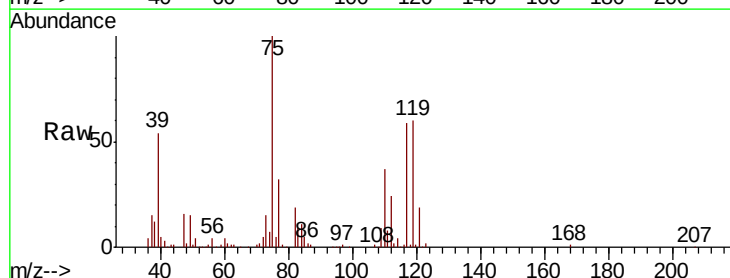
Instrument :
 MSVOA_D
 ClientSampleId :

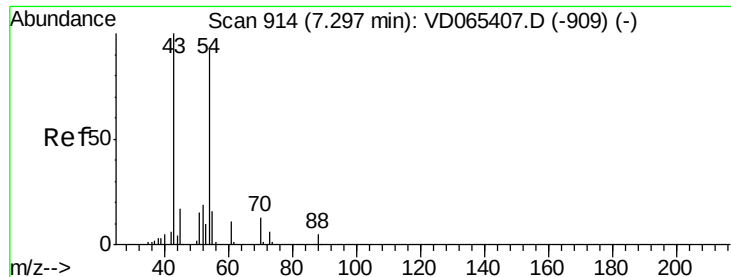
Tot Ion:113 Resp: 220923
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.1 123.1
 192 22.0 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 47.296 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion: 75 Resp: 306530
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.1 54.1
 77 30.7 25.2 37.8

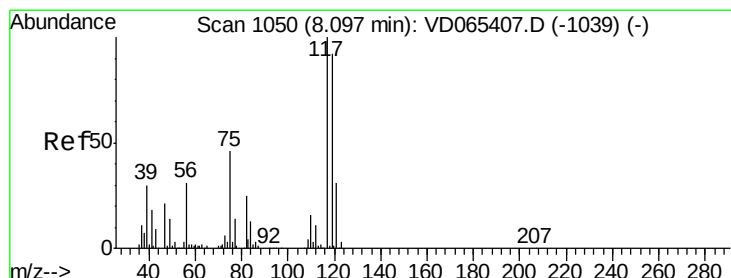
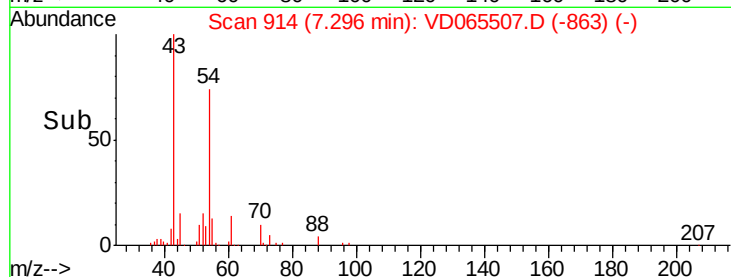
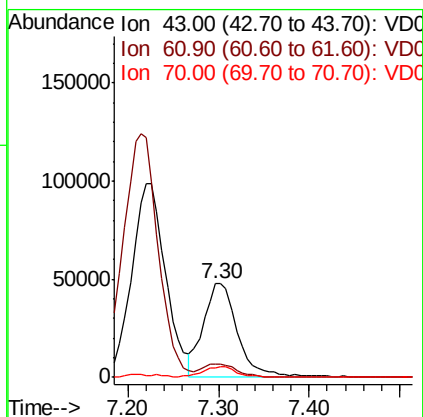
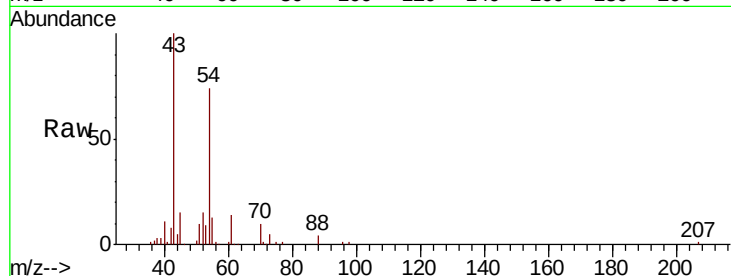




#37
Ethyl Acetate
Concen: 49.042 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

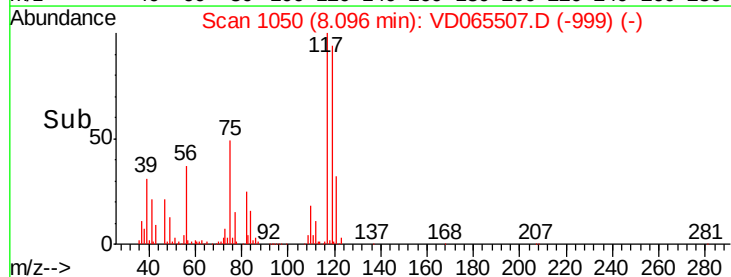
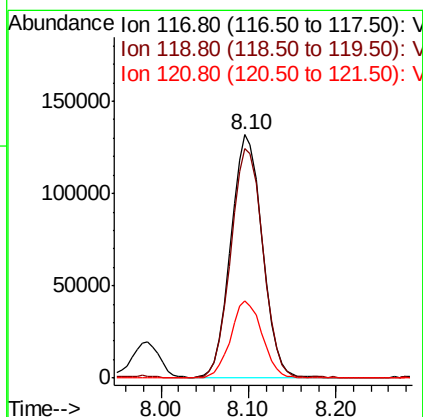
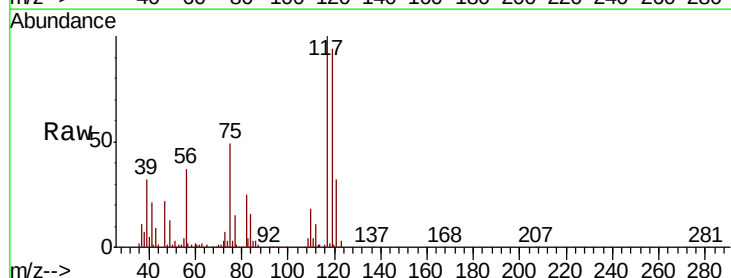
Instrument :
MSVOA_D
ClientSampleId :

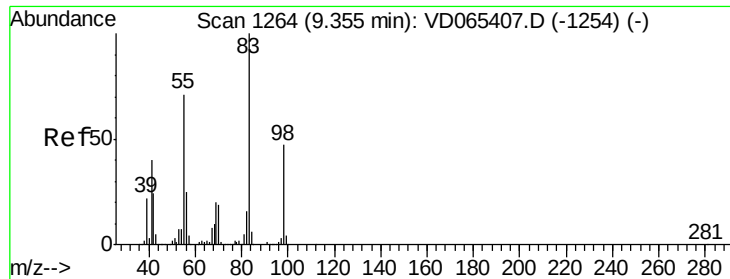
Tot Ion: 43 Resp: 122853
Ion Ratio Lower Upper
43 100
61 14.2 11.4 17.0
70 10.8 9.0 13.4



#38
Carbon Tetrachloride
Concen: 47.808 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 117 Resp: 321307
Ion Ratio Lower Upper
117 100
119 94.3 73.3 109.9
121 31.6 25.0 37.4

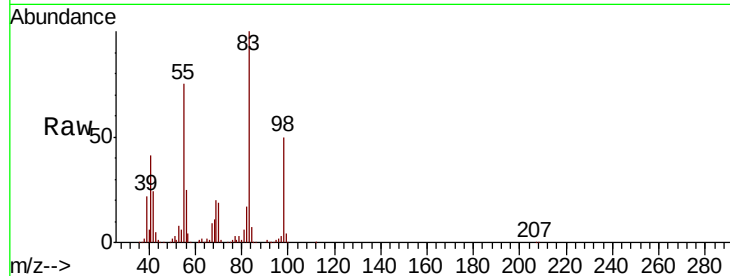




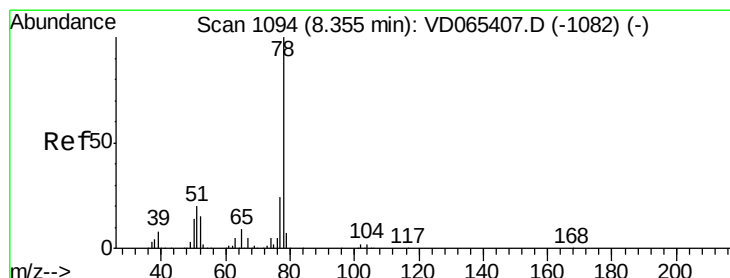
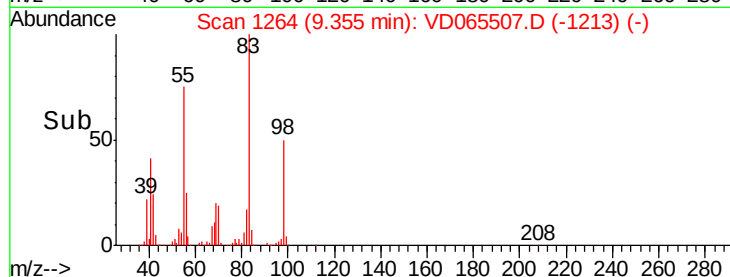
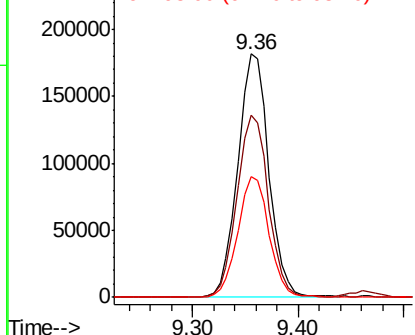
#39
Methylvlcyclohexane
Concen: 47.414 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 371149
Ion Ratio Lower Upper
83 100
55 74.9 57.1 85.7
98 49.8 37.8 56.8

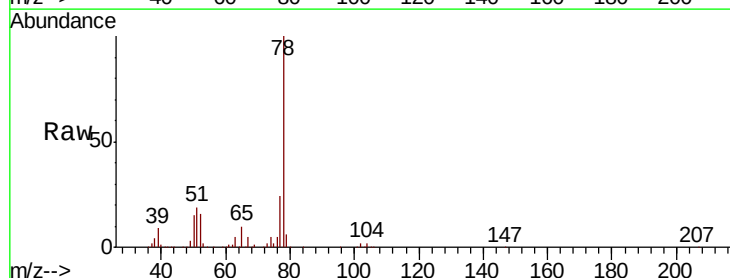


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

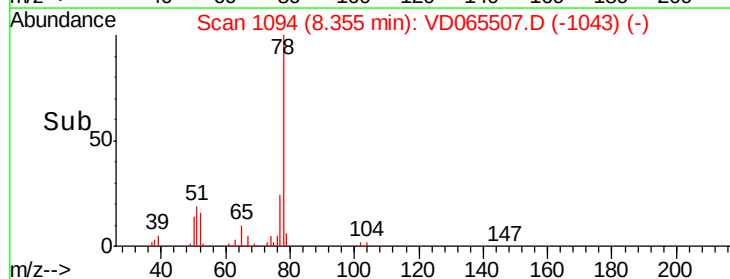
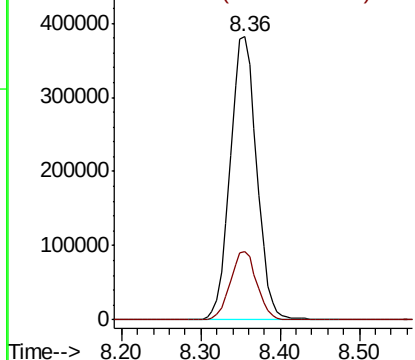


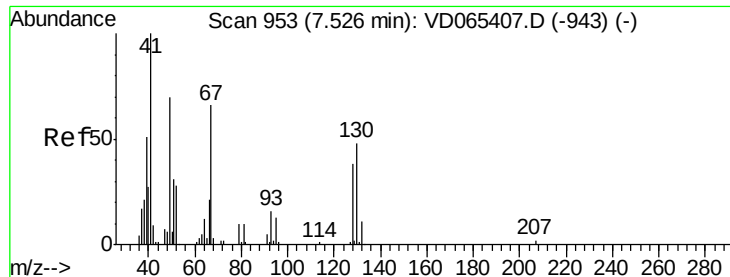
#40
Benzene
Concen: 48.857 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 78 Resp: 885325
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

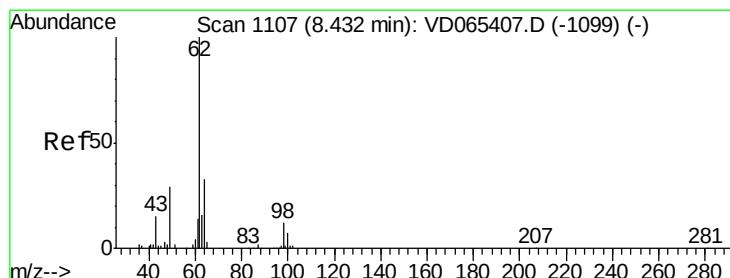
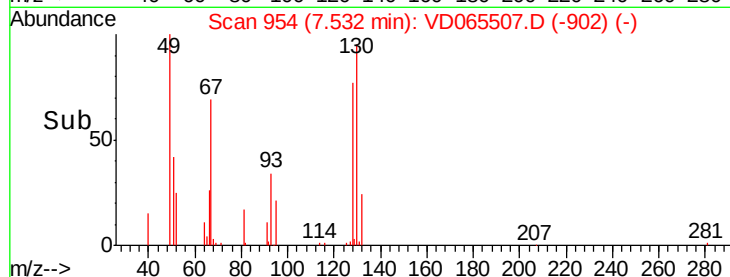
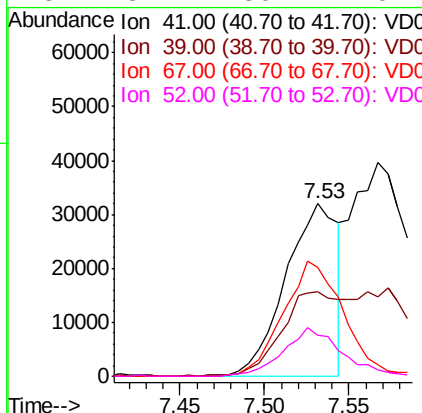
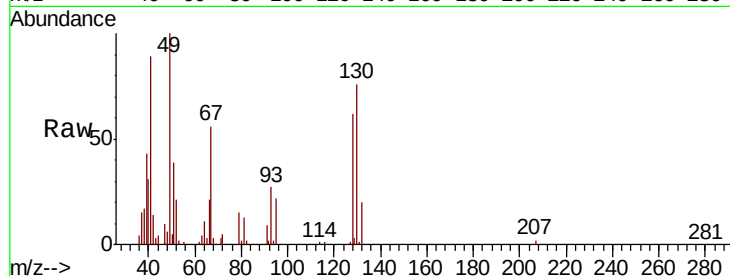




#41
Methacrylonitrile
Concen: 51.867 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

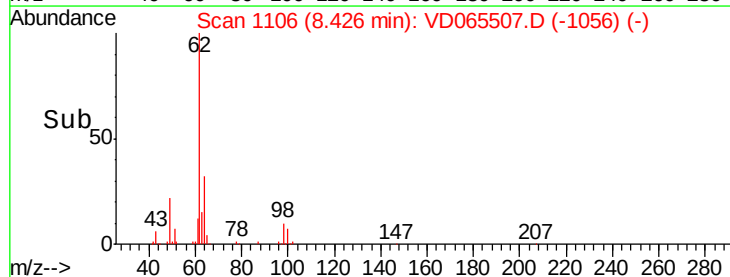
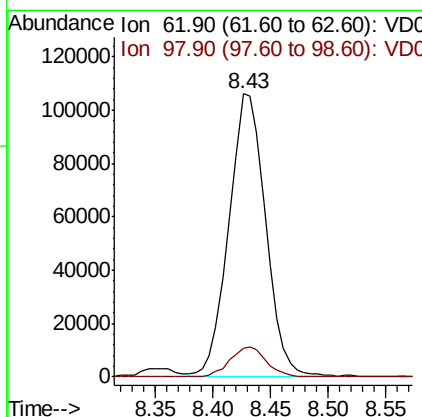
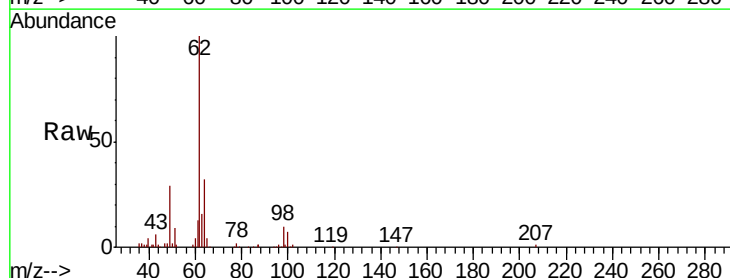
Instrument :
MSVOA_D
ClientSampled :

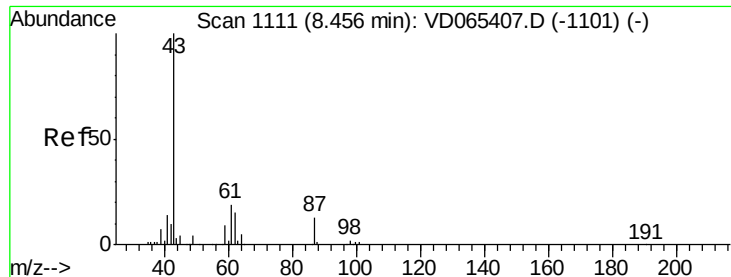
Tot Ion:	41	Resp:	68713
Ion	Ratio	Lower	Upper
41	100		
39	59.8	55.0	82.6
67	77.3	70.3	105.5
52	32.1	30.7	46.1



#42
1,2-Dichloroethane
Concen: 49.304 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion:	62	Resp:	233300
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.4





#43

Isopropyl Acetate

Concen: 48.873 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

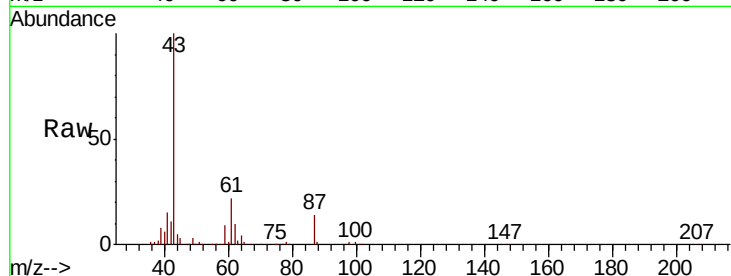
Tot Ion: 43 Resp: 226057

Ion Ratio Lower Upper

43 100

61 32.6 25.0 37.6

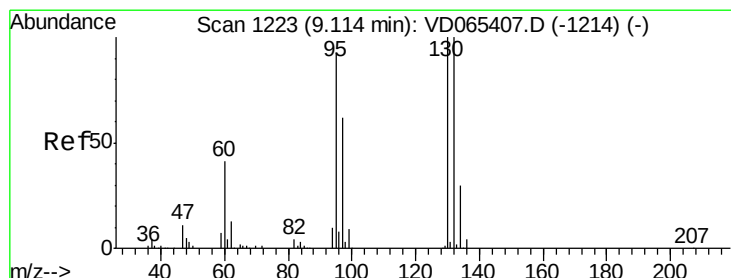
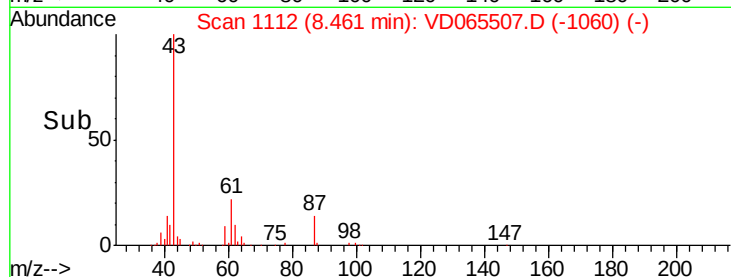
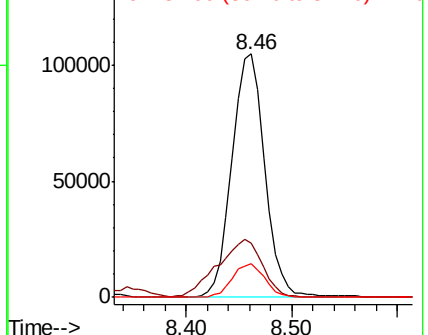
87 13.6 11.0 16.4



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: 49.161 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065507.D

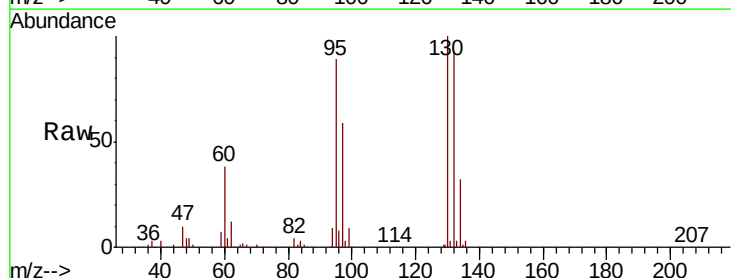
Acq: 13 Mar 2020 16:46

Tgt Ion:130 Resp: 251580

Ion Ratio Lower Upper

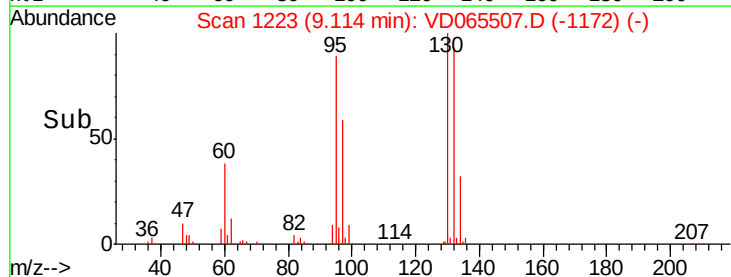
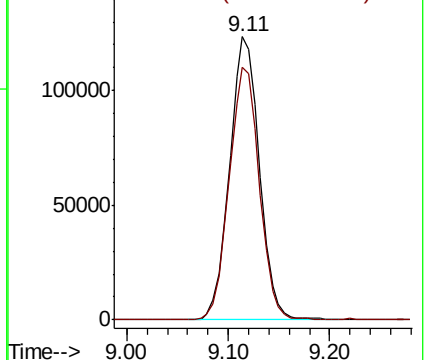
130 100

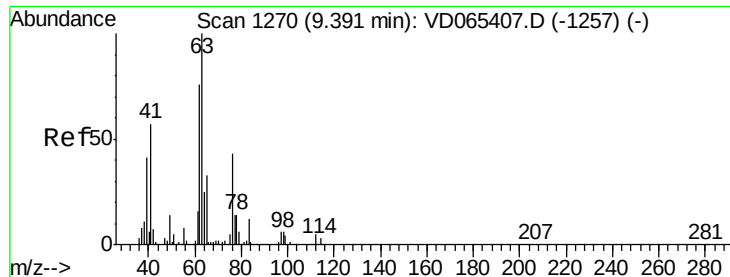
95 89.3 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

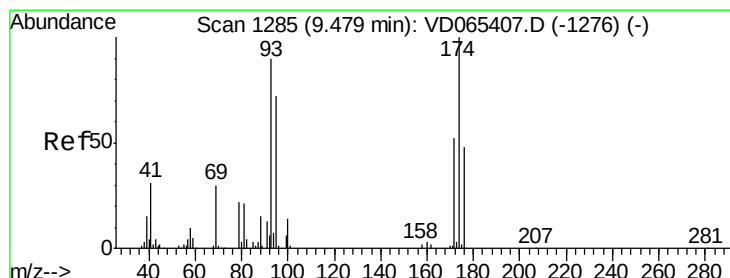
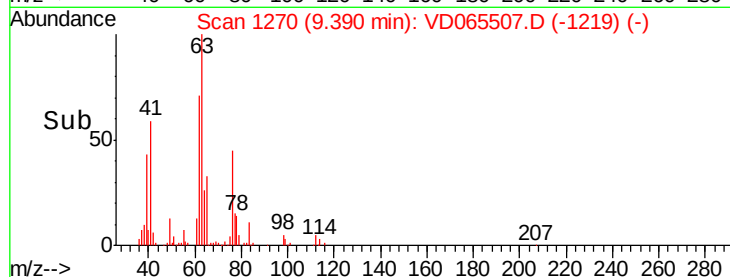
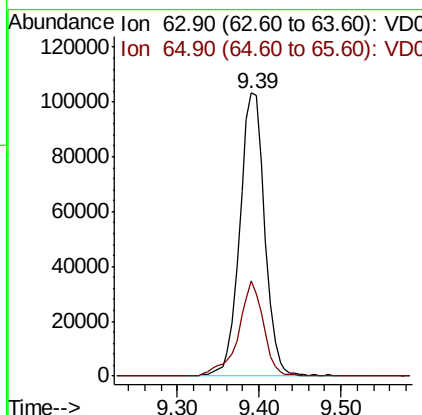
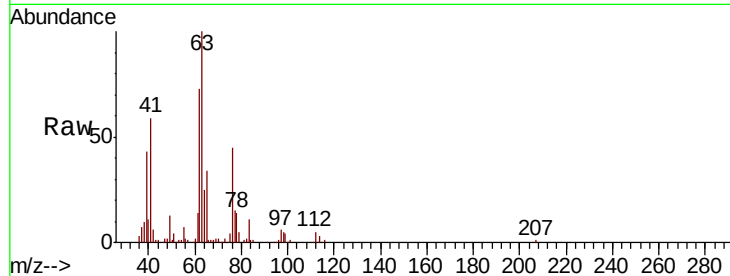




#45
 1,2-Dichloropropane
 Concen: 50.037 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

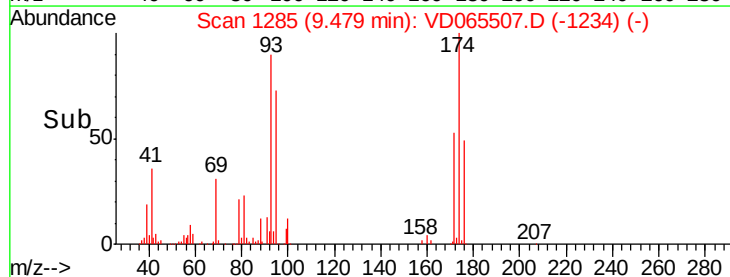
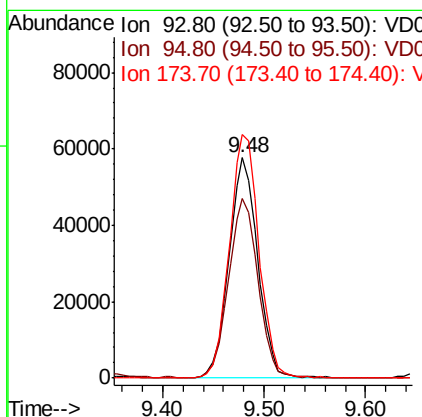
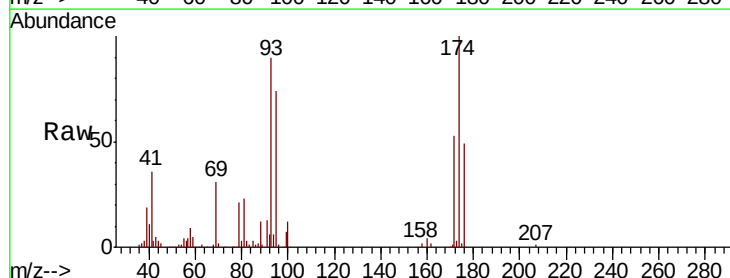
Instrument :
 MSVOA_D
 ClientSampleId :

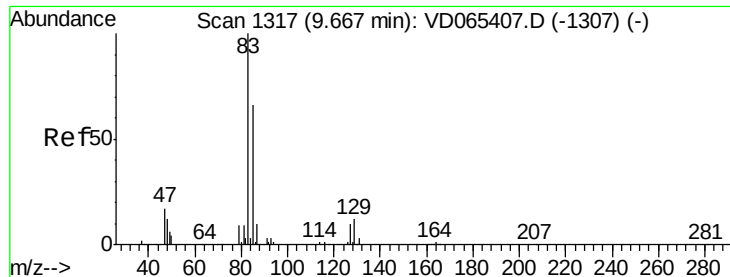
Tot Ion: 63 Resp: 219637
 Ion Ratio Lower Upper
 63 100
 65 33.6 26.4 39.6



#46
 Dibromomethane
 Concen: 49.809 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion: 93 Resp: 113406
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.0 97.6
 174 113.9 88.3 132.5





#47

Bromodichloromethane

Concen: 50.555 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

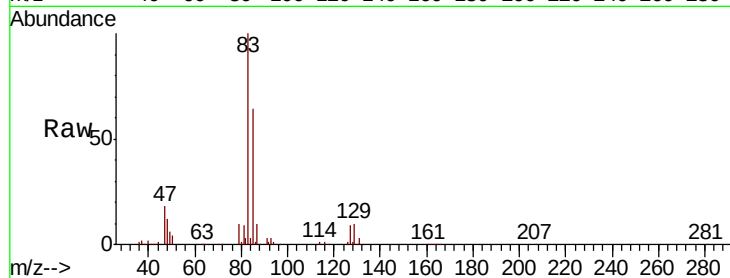
Tot Ion: 83 Resp: 299452

Ion Ratio Lower Upper

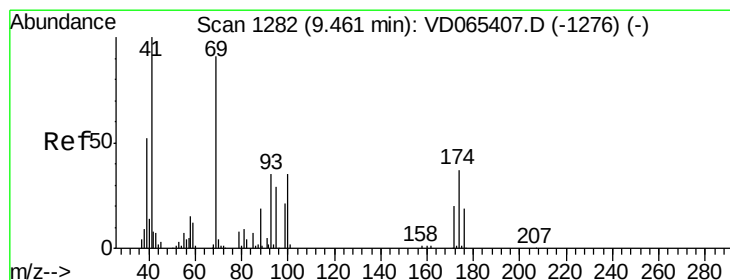
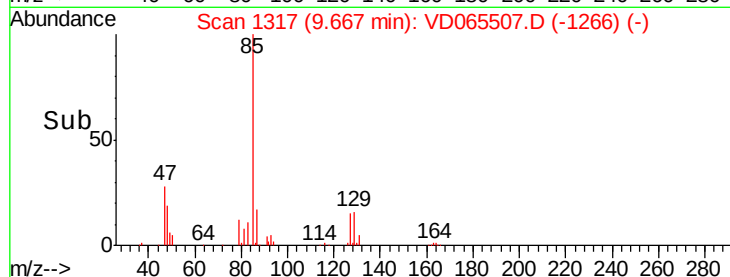
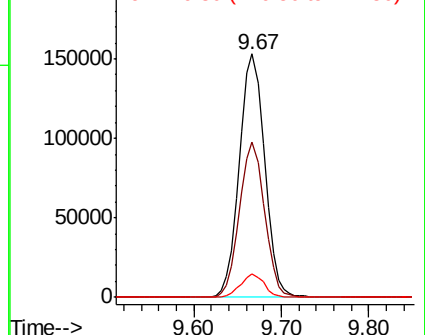
83 100

85 63.7 52.8 79.2

127 9.5 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: 48.668 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

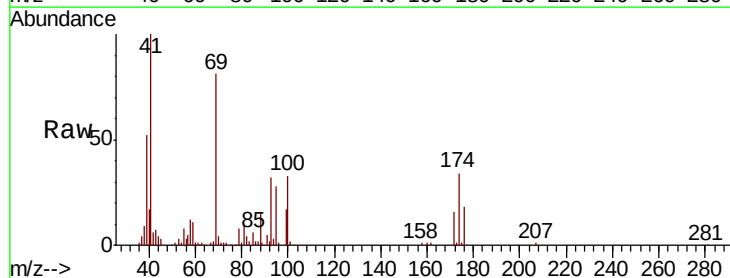
Tgt Ion: 41 Resp: 105889

Ion Ratio Lower Upper

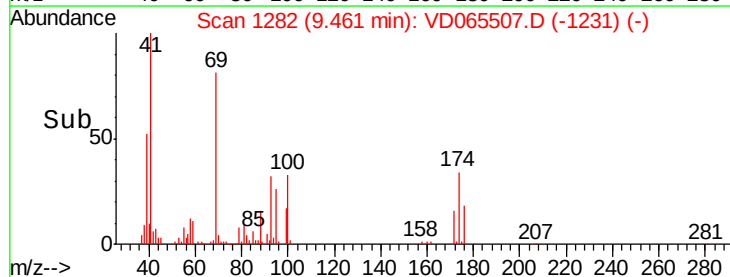
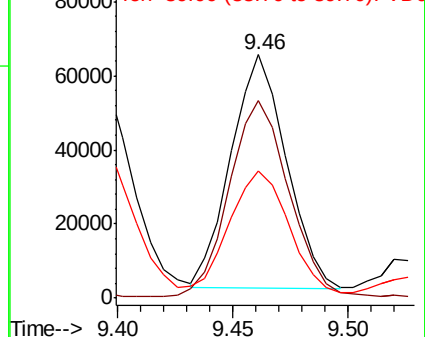
41 100

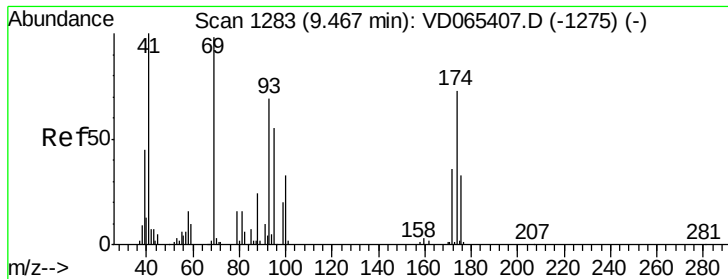
69 90.2 72.5 108.7

39 55.3 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

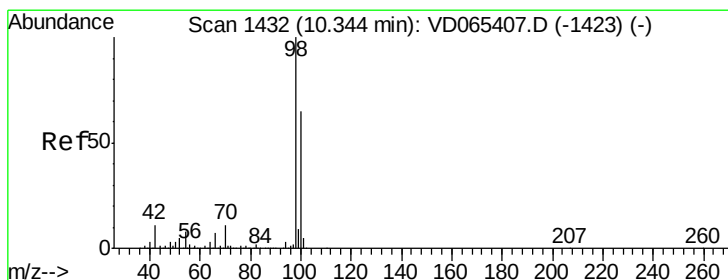
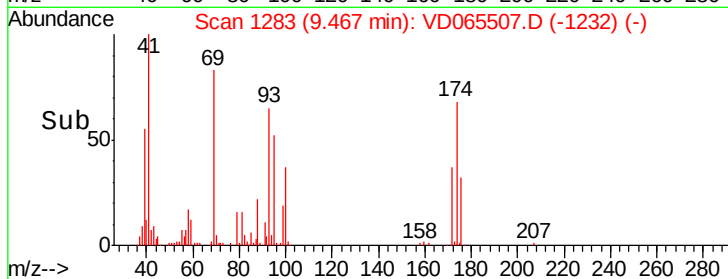
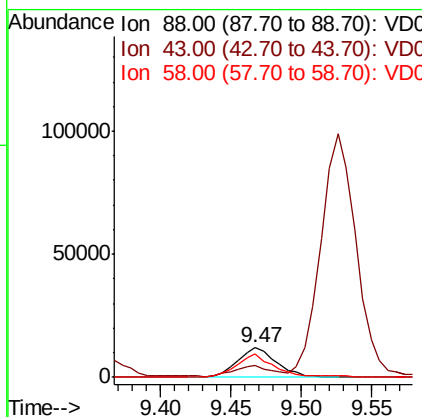
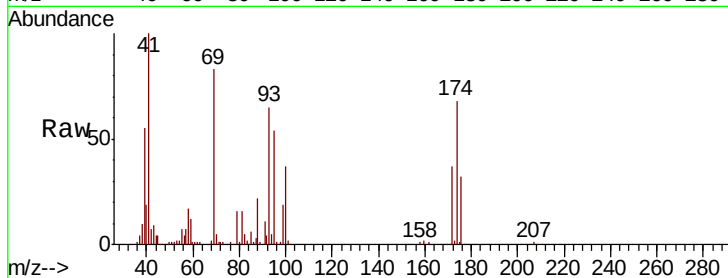




#49
1,4-Dioxane
Concen: 917.379 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

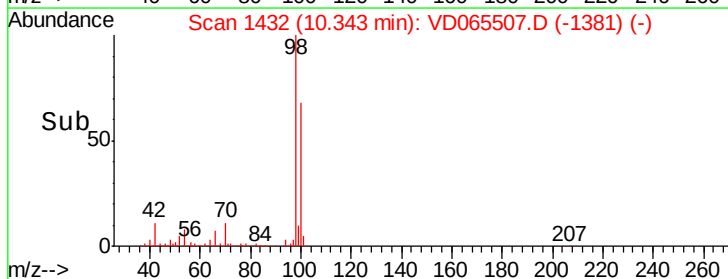
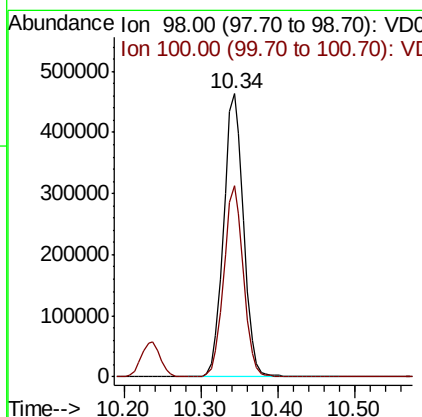
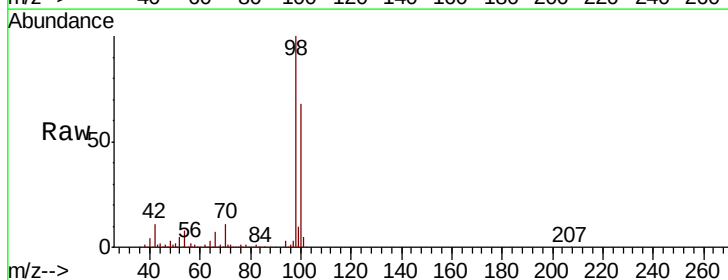
Instrument :
MSVOA_D
ClientSampled :

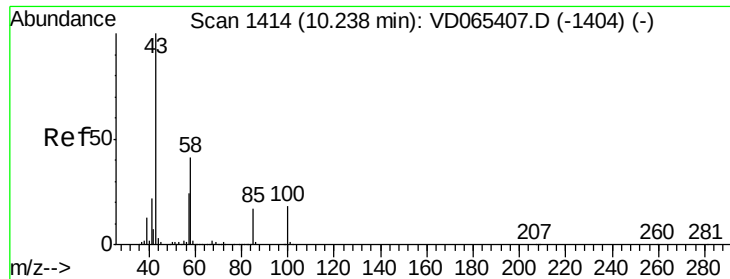
Tot Ion: 88 Resp: 23892
Ion Ratio Lower Upper
88 100
43 37.5 24.5 36.7#
58 73.4 54.5 81.7



#50
Toluene-d8
Concen: 51.966 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 98 Resp: 833573
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2

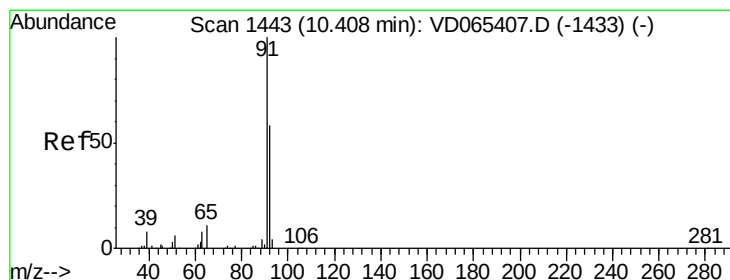
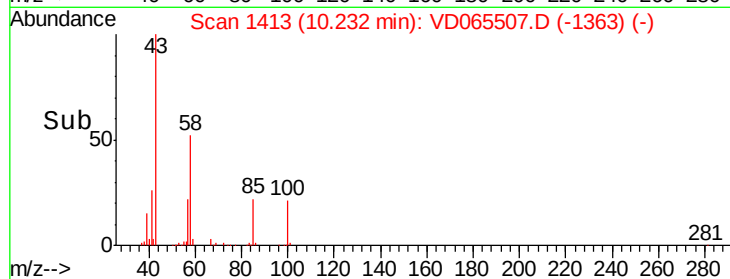
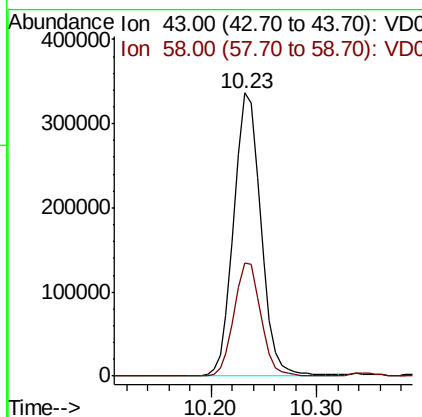
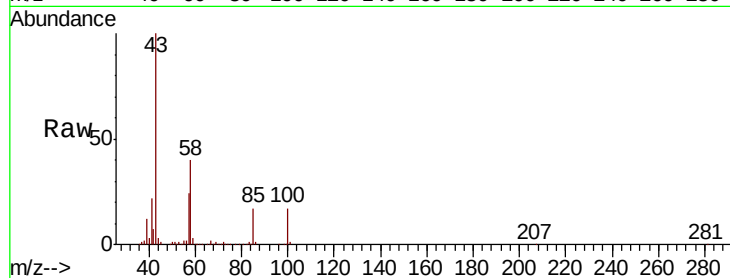




#51
4-Methyl-2-Pentanone
Concen: 257.900 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

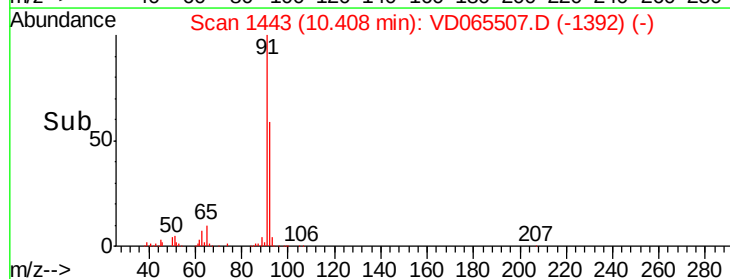
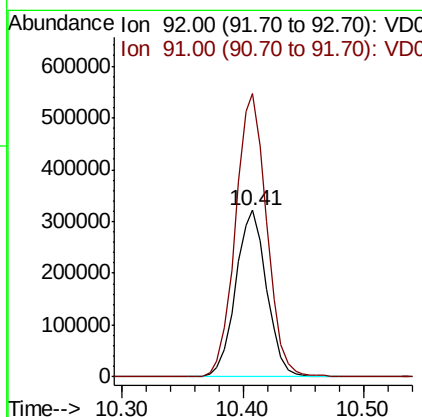
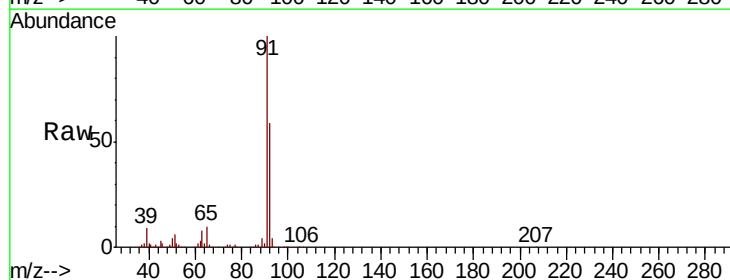
Instrument :
MSVOA_D
ClientSampled :

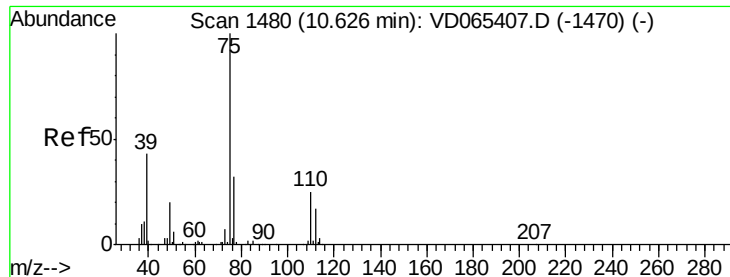
Tot Ion: 43 Resp: 600289
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.6



#52
Toluene
Concen: 50.385 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 92 Resp: 575168
Ion Ratio Lower Upper
92 100
91 171.2 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 51.182 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

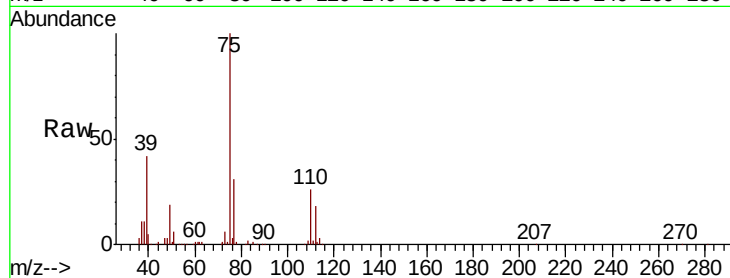
ClientSampleId :

Tot Ion: 75 Resp: 283312

Ion Ratio Lower Upper

75 100

77 30.8 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

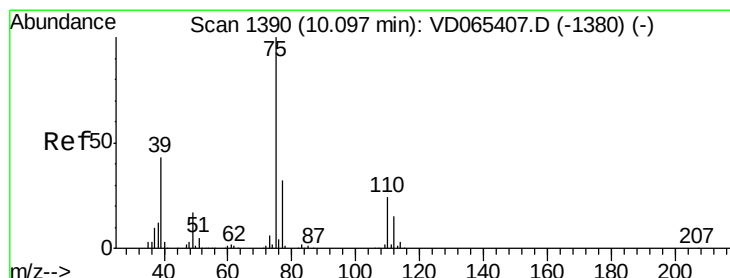
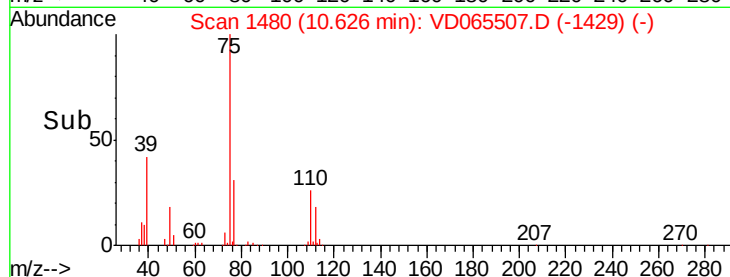
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.870 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

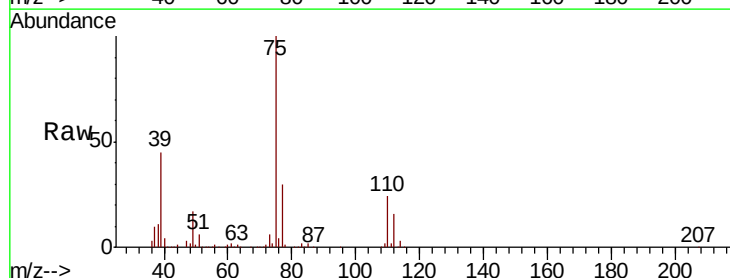
Tgt Ion: 75 Resp: 340839

Ion Ratio Lower Upper

75 100

77 29.7 25.3 37.9

39 44.4 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

250000

200000

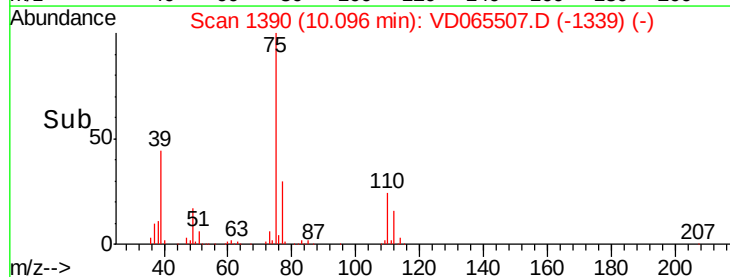
150000

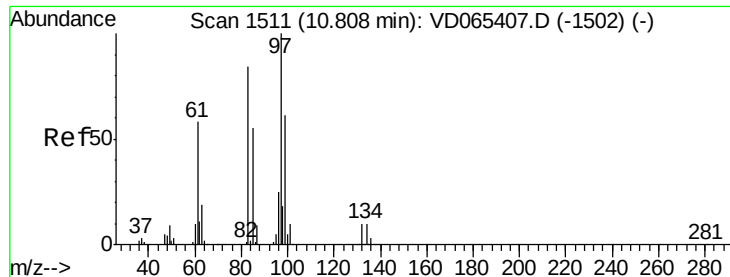
100000

50000

0

Time-->

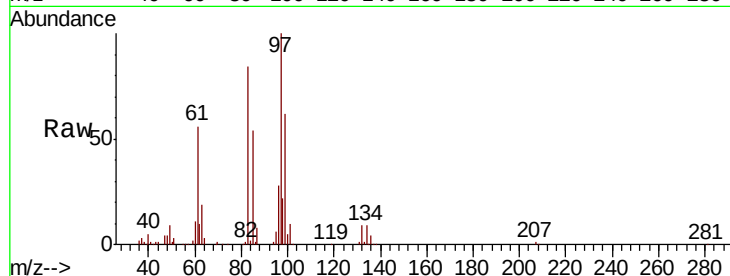




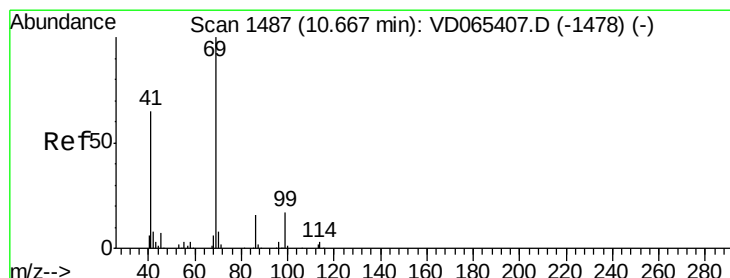
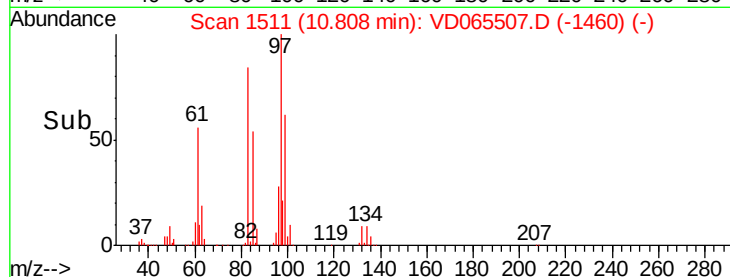
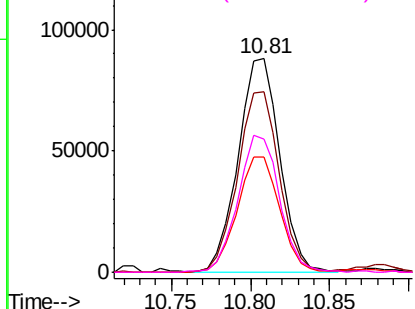
#55
 1,1,2-Trichloroethane
 Concen: 49.751 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	160435
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.0
85	54.1	43.8	65.8
99	62.1	48.8	73.2

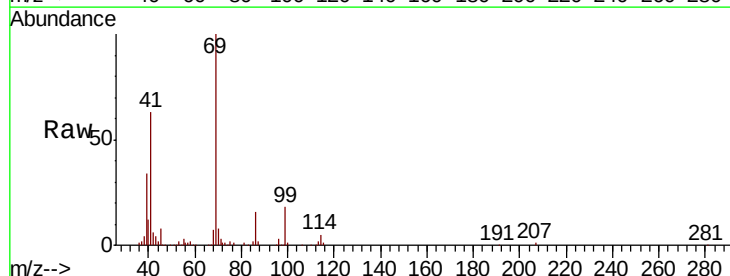


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

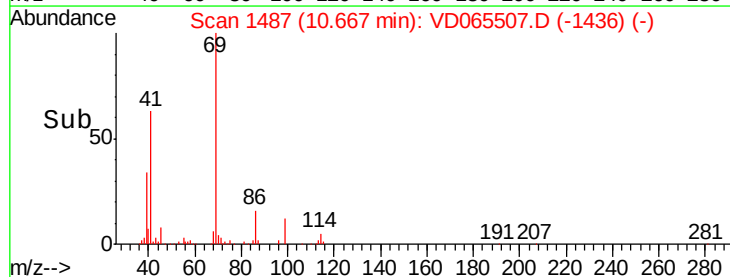
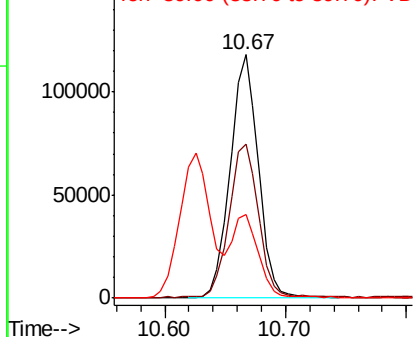


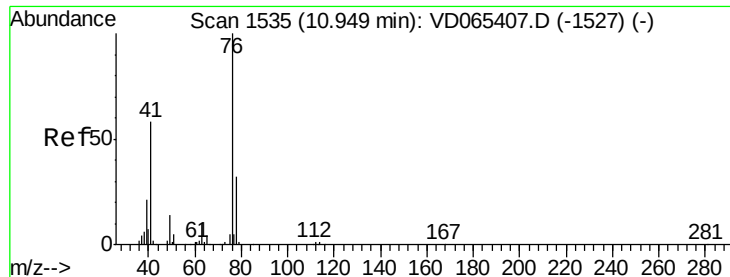
#56
 Ethyl methacrylate
 Concen: 52.718 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion:	69	Resp:	191653
Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.0	79.6
39	32.1	26.0	39.0



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





#57

1,3-Dichloropropane

Concen: 51.055 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

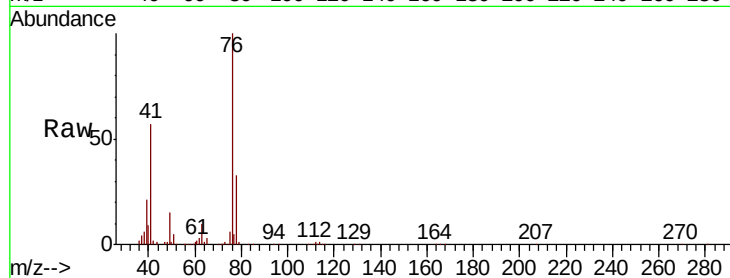
ClientSampleId :

Tot Ion: 76 Resp: 278568

Ion Ratio Lower Upper

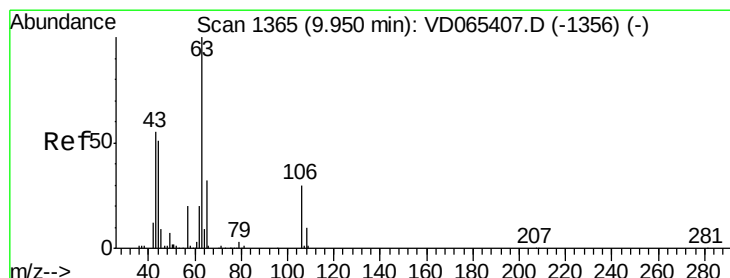
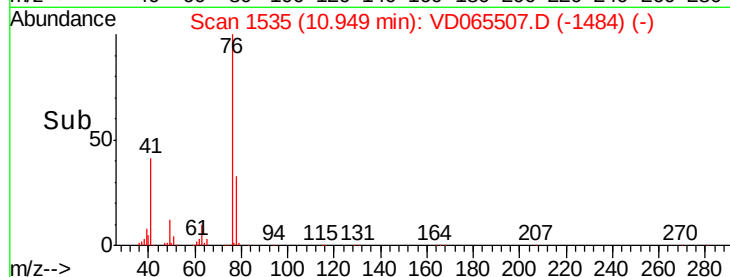
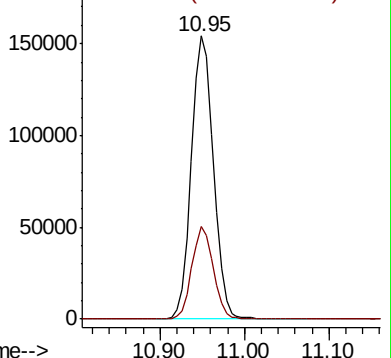
76 100

78 31.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 237.927 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065507.D

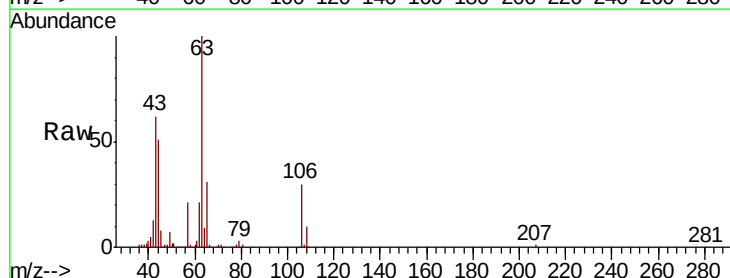
Acq: 13 Mar 2020 16:46

Tgt Ion: 63 Resp: 270219

Ion Ratio Lower Upper

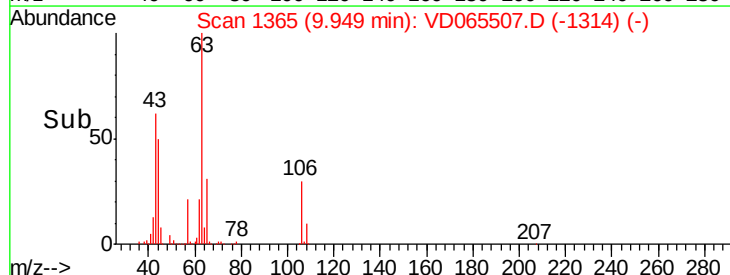
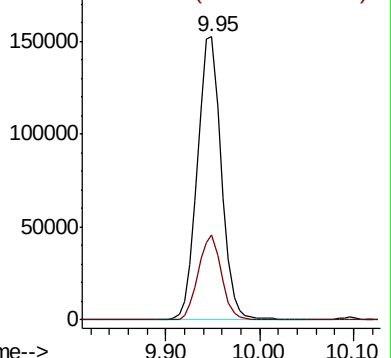
63 100

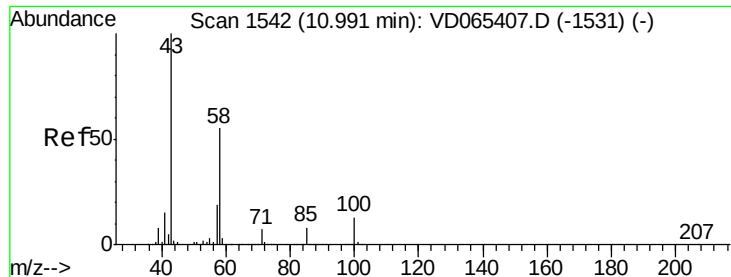
106 29.0 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

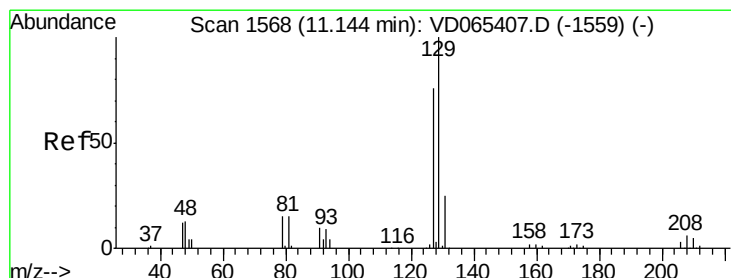
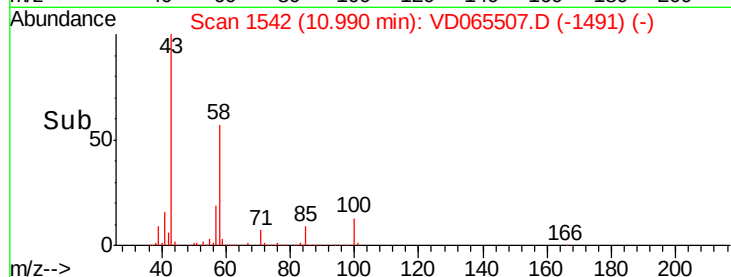
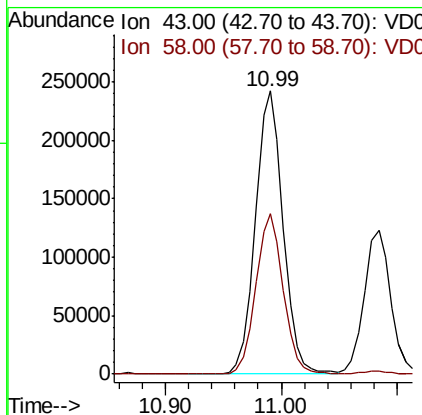
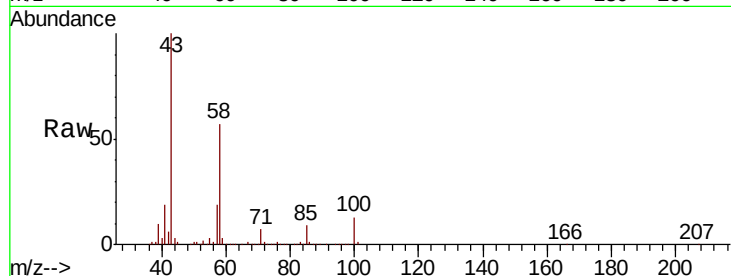




#59
2-Hexanone
Concen: 251.342 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

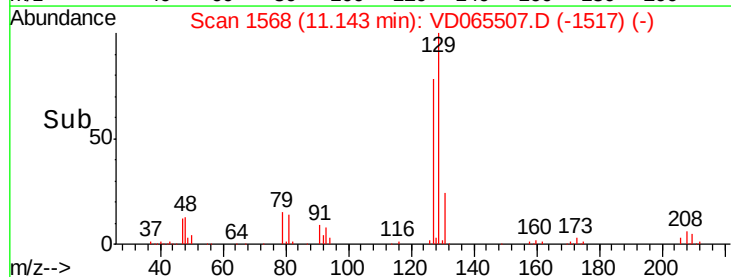
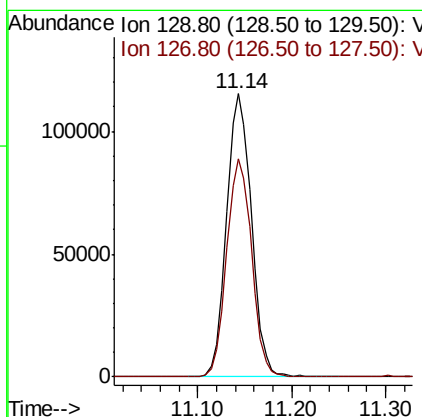
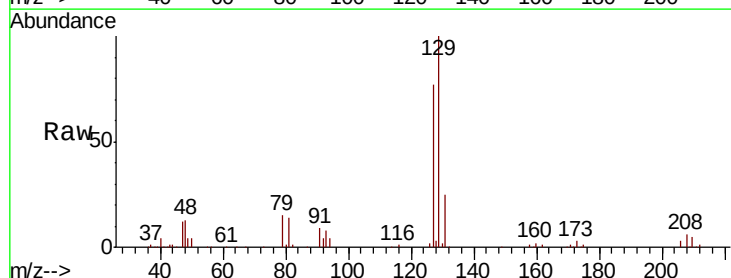
Instrument :
MSVOA_D
ClientSampleId :

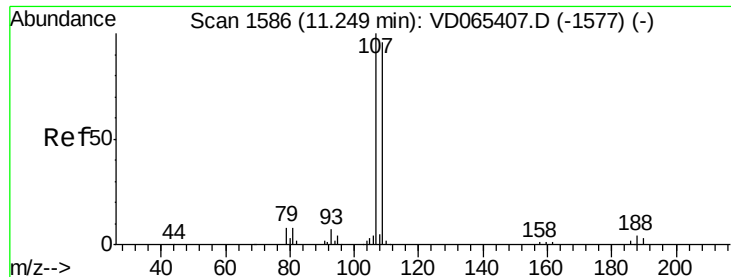
Tot Ion: 43 Resp: 404978
Ion Ratio Lower Upper
43 100
58 55.9 27.4 82.2



#60
Dibromochloromethane
Concen: 51.176 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 129 Resp: 211542
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5

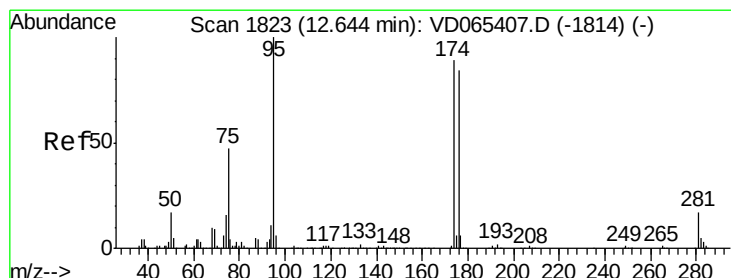
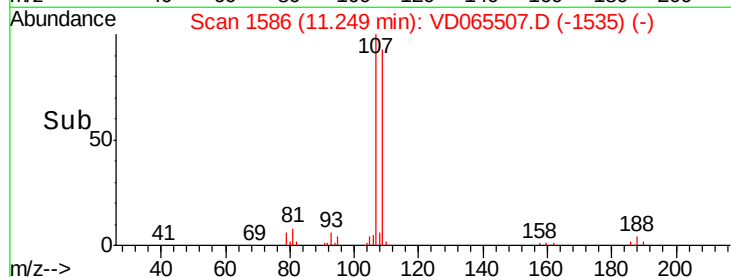
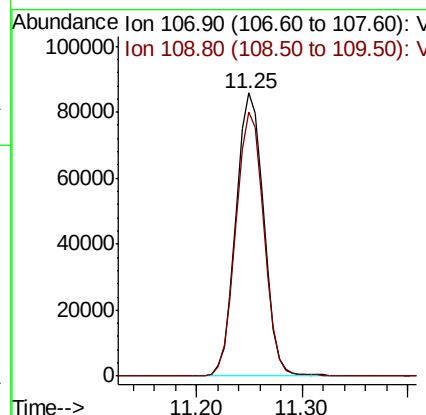
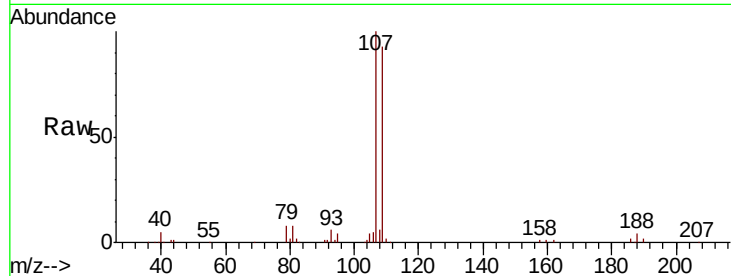




#61
 1,2-Dibromoethane
 Concen: 50.725 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

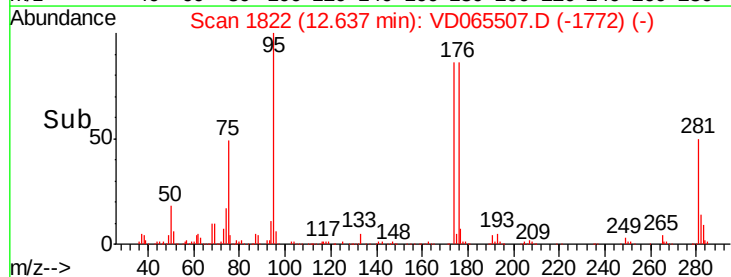
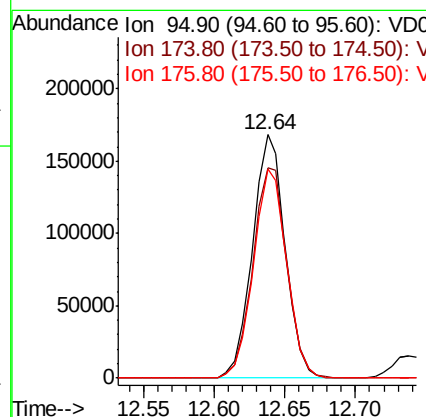
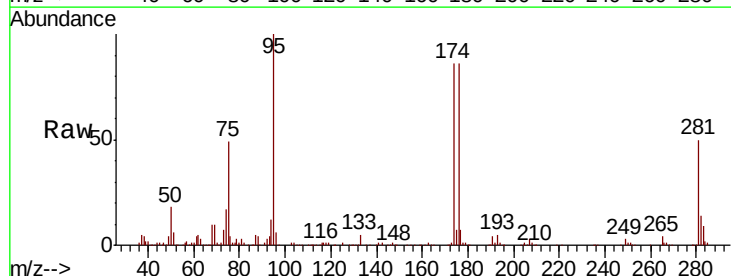
Instrument :
 MSVOA_D
 ClientSampleId :

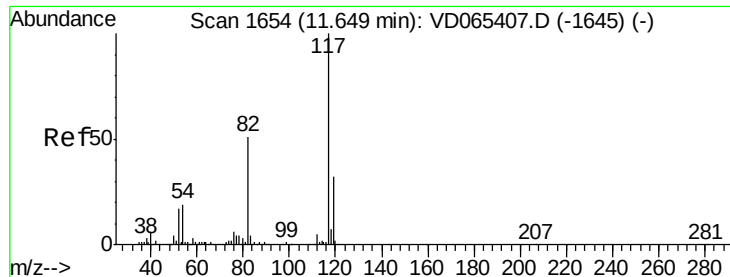
Tot Ion:107 Resp: 156027
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 55.253 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion: 95 Resp: 273604
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 176.8
 176 87.5 0.0 171.4

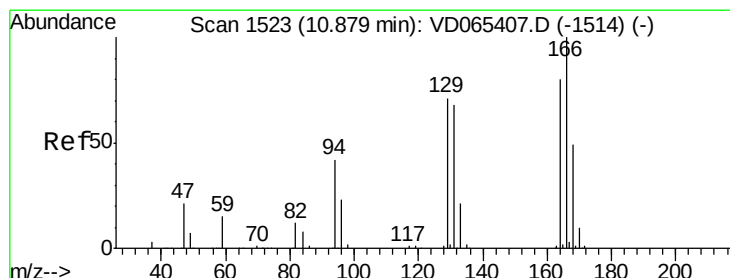
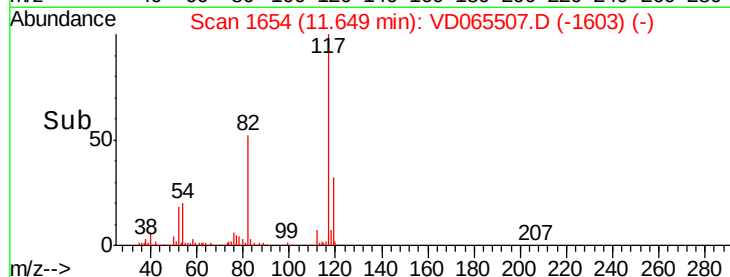
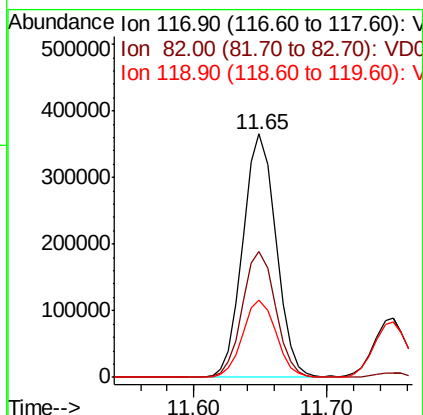
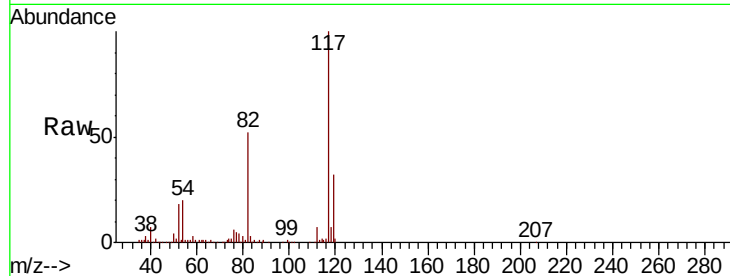




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

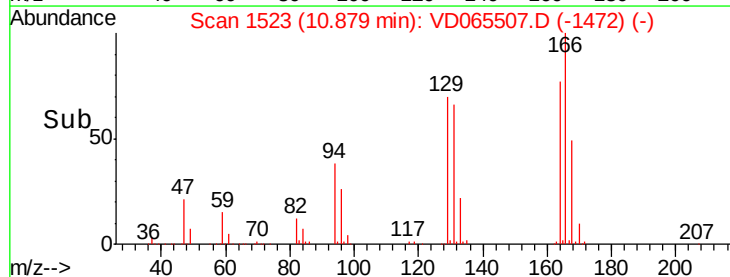
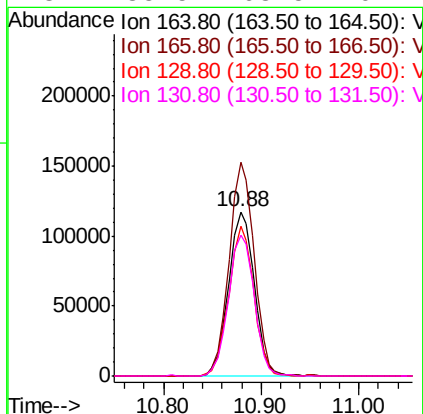
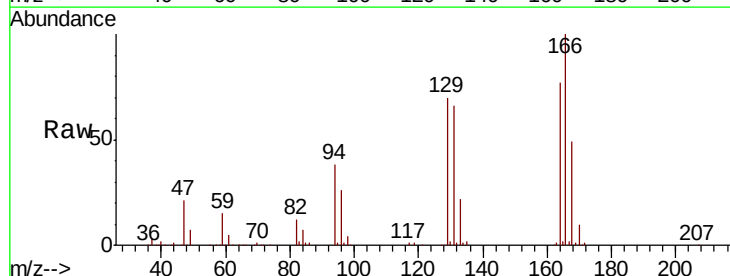
Instrument :
MSVOA_D
ClientSampled :

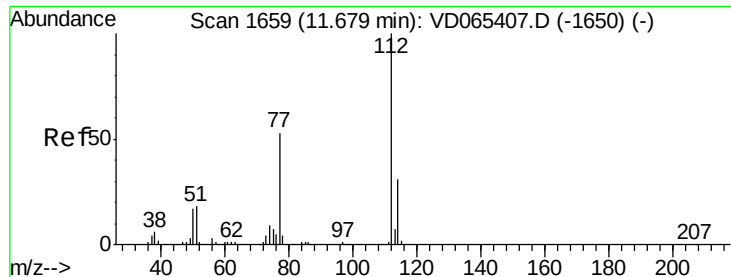
Tot Ion:117 Resp: 630051
Ion Ratio Lower Upper
117 100
82 51.8 40.6 60.8
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 47.733 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion:164 Resp: 215502
Ion Ratio Lower Upper
164 100
166 130.1 100.5 150.7
129 91.2 71.5 107.3
131 85.5 68.5 102.7

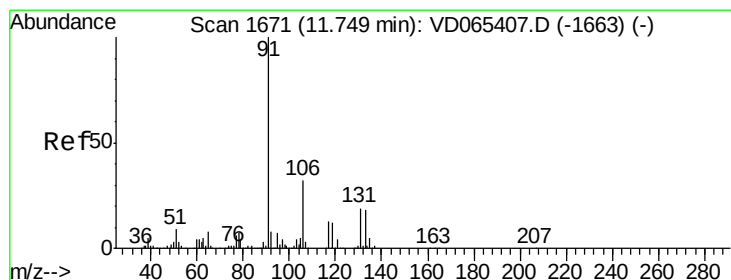
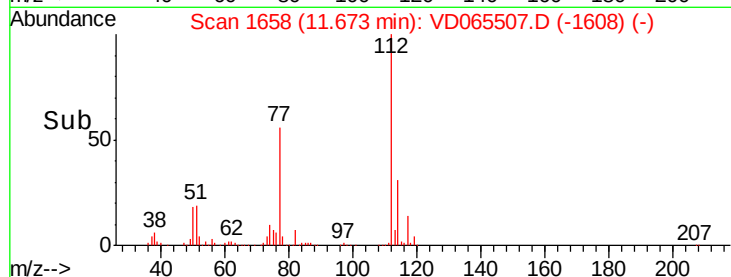
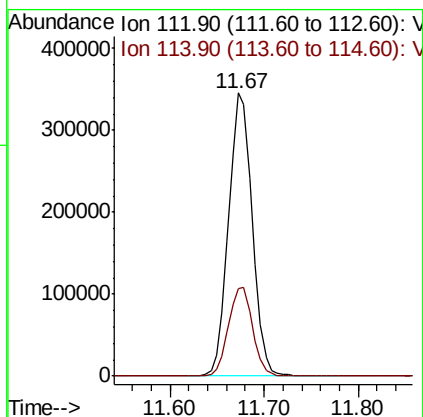
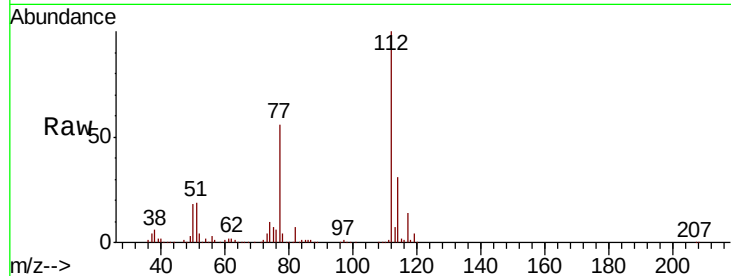




#65
Chlorobenzene
Concen: 48.356 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

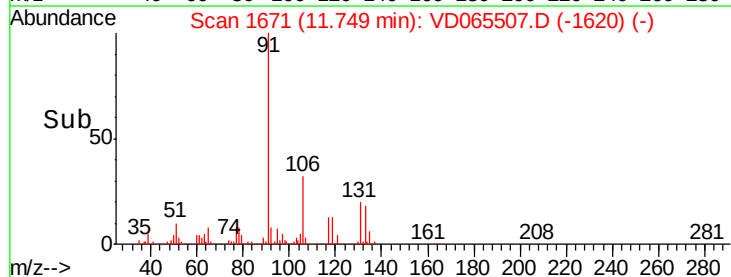
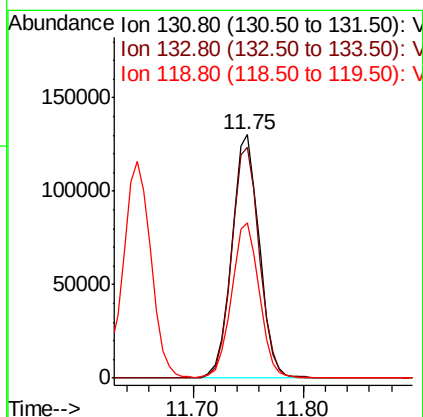
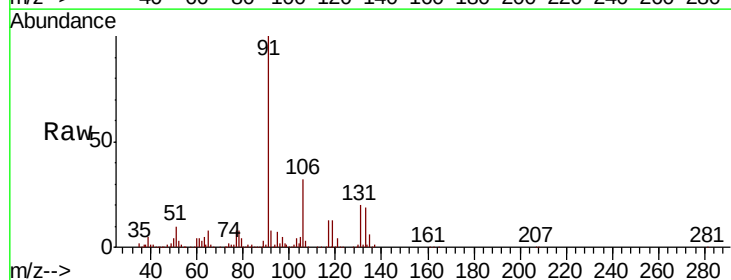
Instrument :
MSVOA_D
ClientSampleId :

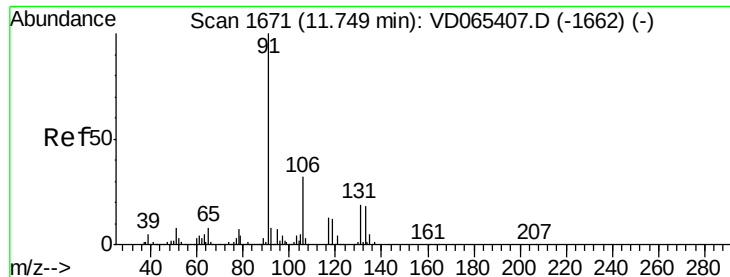
Tot Ion:112 Resp: 602899
Ion Ratio Lower Upper
112 100
114 31.1 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.152 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion:131 Resp: 227736
Ion Ratio Lower Upper
131 100
133 96.1 49.2 147.6
119 65.0 33.3 99.8





#67

Ethyl Benzene

Concen: 49.710 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

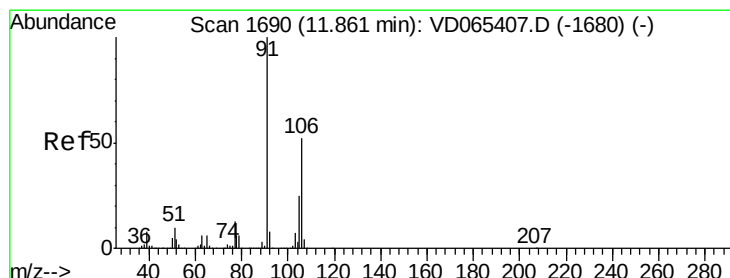
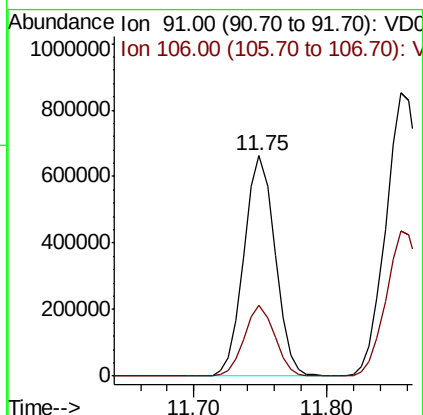
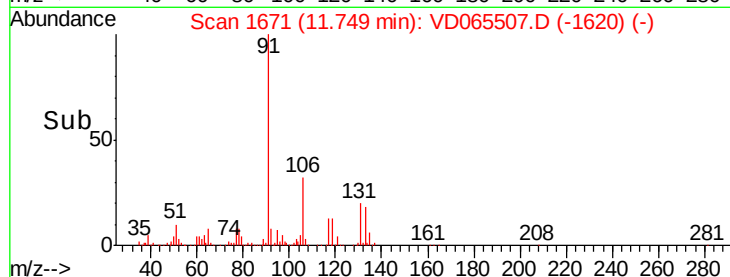
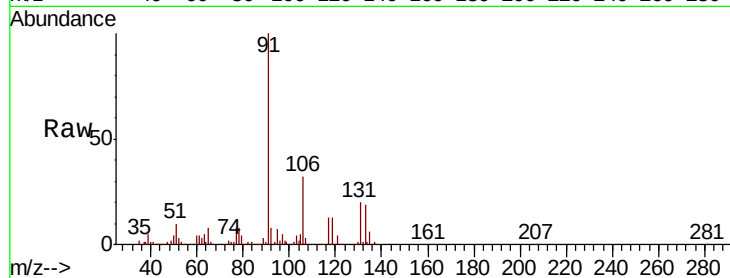
ClientSampled :

Tot Ion: 91 Resp: 1070927

Ion Ratio Lower Upper

91 100

106 32.1 25.2 37.8



#68

m/p-Xylenes

Concen: 99.959 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065507.D

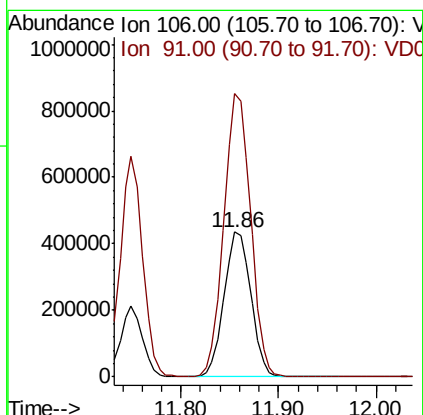
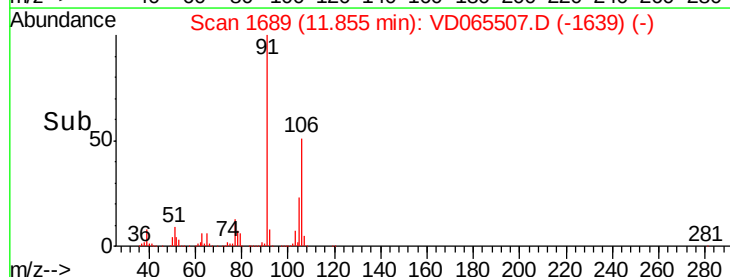
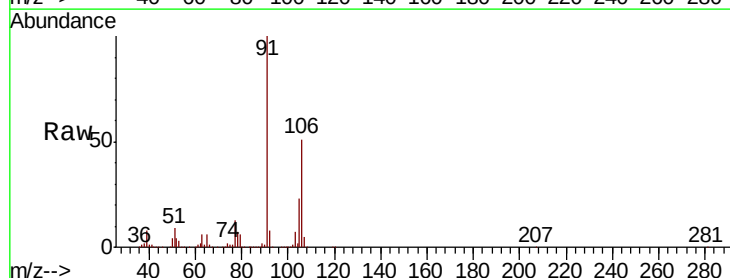
Acq: 13 Mar 2020 16:46

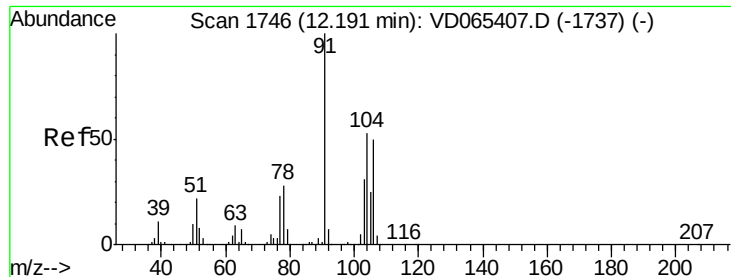
Tgt Ion: 106 Resp: 830339

Ion Ratio Lower Upper

106 100

91 195.7 155.9 233.9

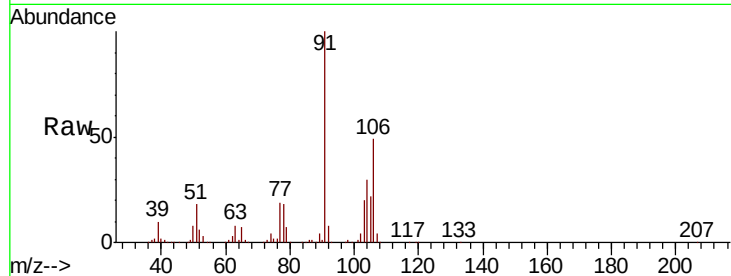




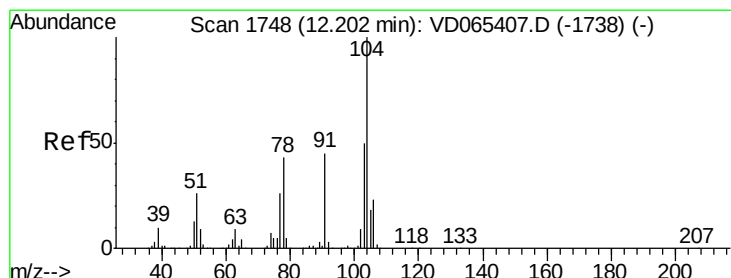
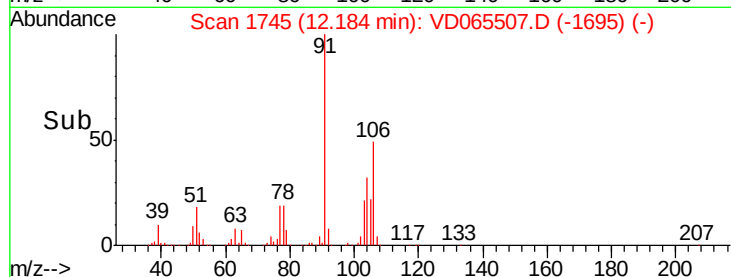
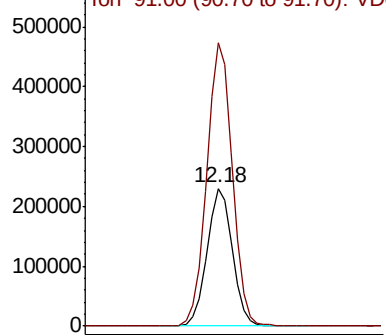
#69
o-Xylene
Concen: 50.826 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 371382
Ion Ratio Lower Upper
106 100
91 207.4 103.5 310.3

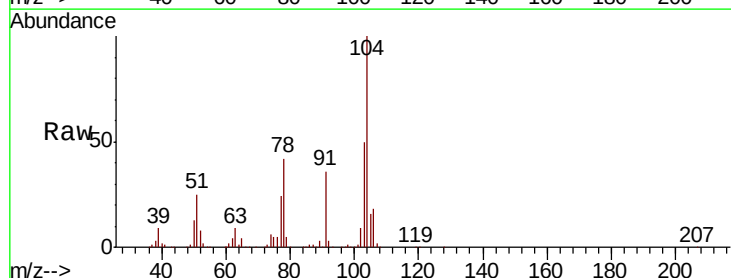


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

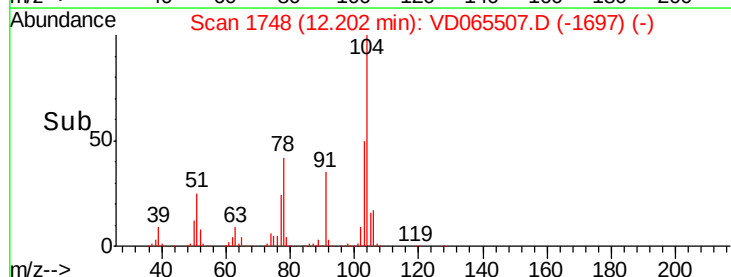
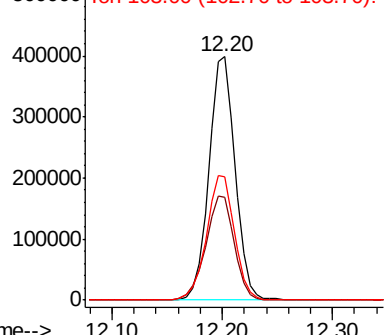


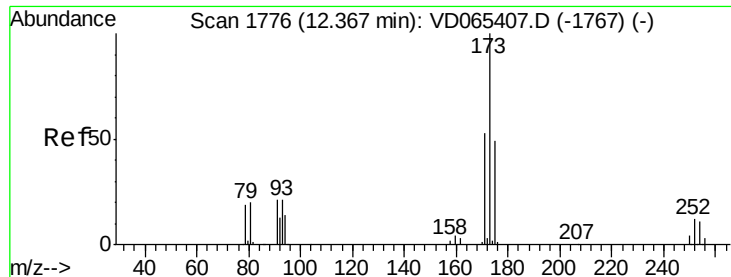
#70
Styrene
Concen: 51.670 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion:104 Resp: 664477
Ion Ratio Lower Upper
104 100
78 46.6 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





#71

Bromoform

Concen: 49.384 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

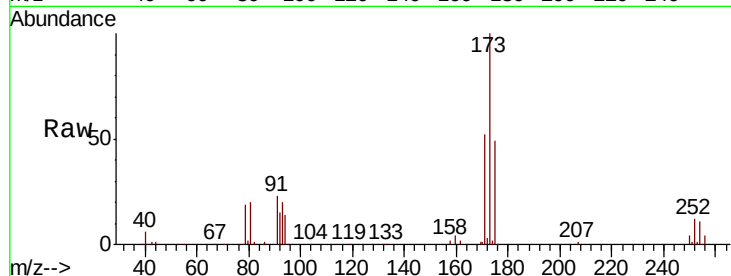
Tot Ion:173 Resp: 125961

Ion Ratio Lower Upper

173 100

175 48.8 24.3 73.0

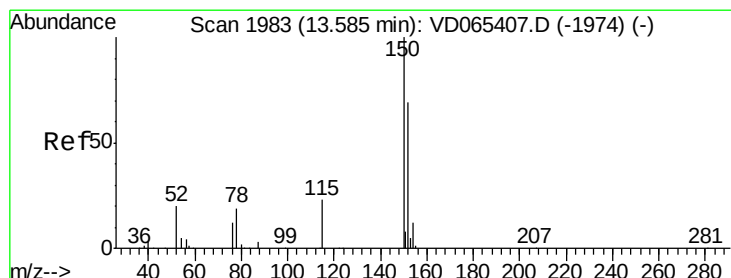
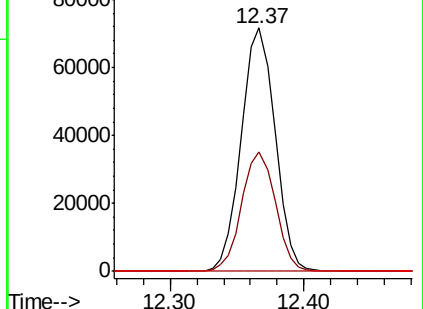
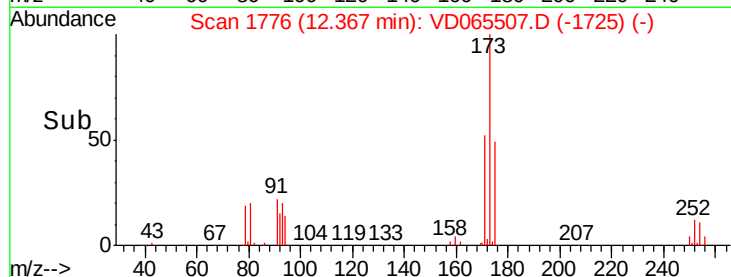
254 0.1 0.1 0.1#



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: VD065507.D

Acq: 13 Mar 2020 16:46

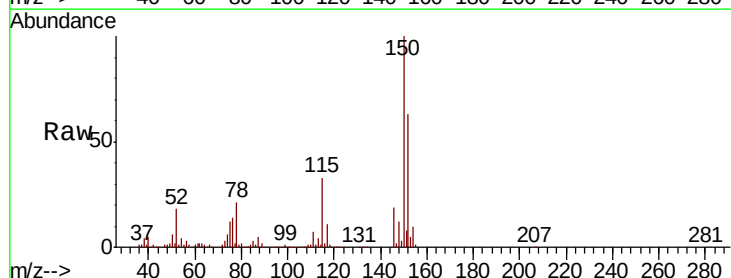
Tgt Ion:152 Resp: 313390

Ion Ratio Lower Upper

152 100

115 54.9 27.6 82.8

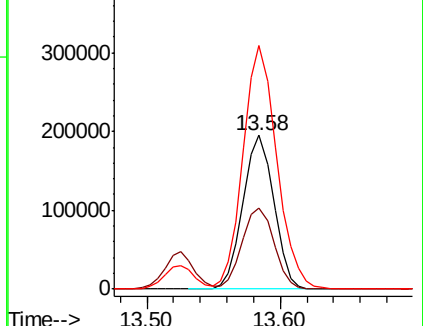
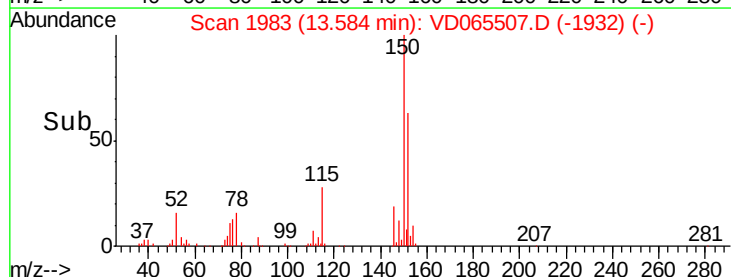
150 171.8 0.0 345.0

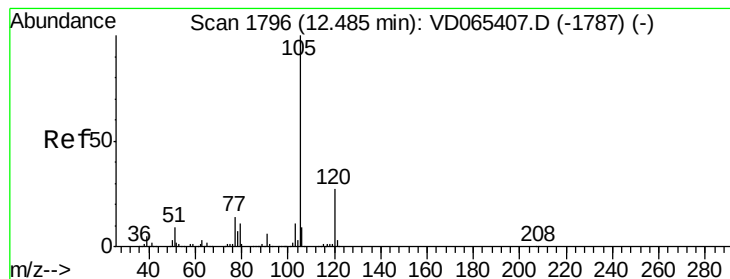


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.698 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

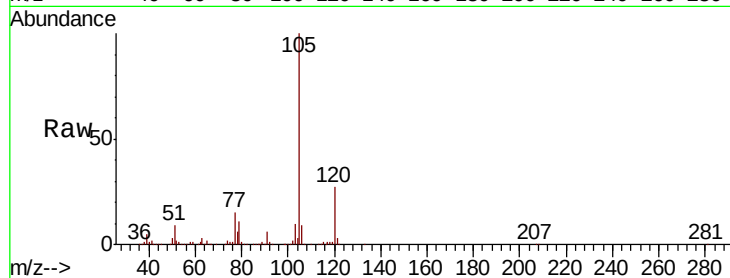
ClientSampleId :

Tot Ion:105 Resp: 1024436

Ion Ratio Lower Upper

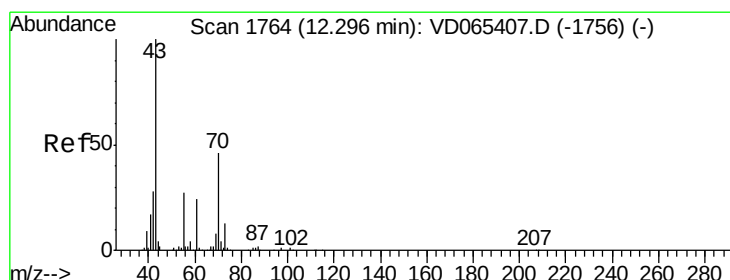
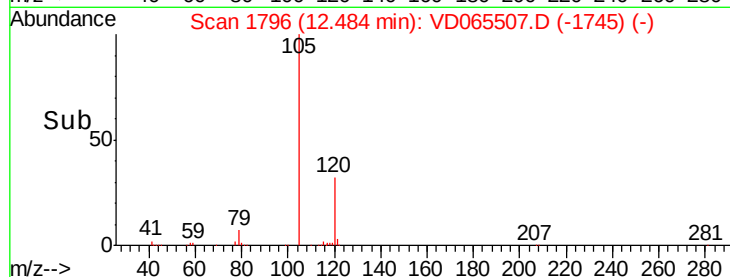
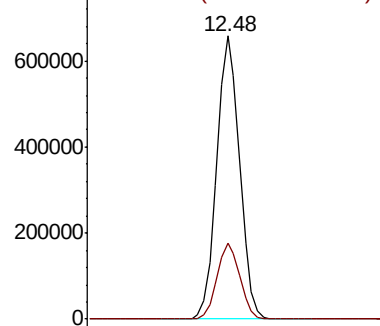
105 100

120 26.7 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: 48.489 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Tgt Ion: 43 Resp: 204625

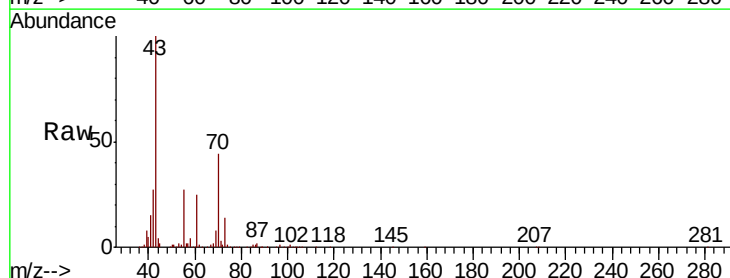
Ion Ratio Lower Upper

43 100

70 45.1 36.1 54.1

55 28.1 21.6 32.4

61 24.8 19.6 29.4

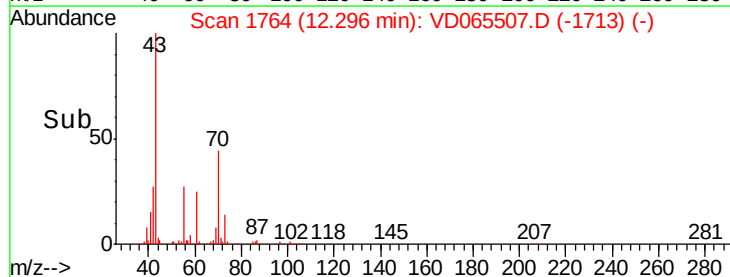
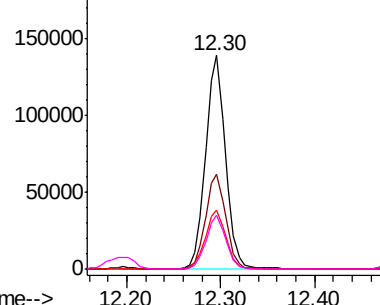


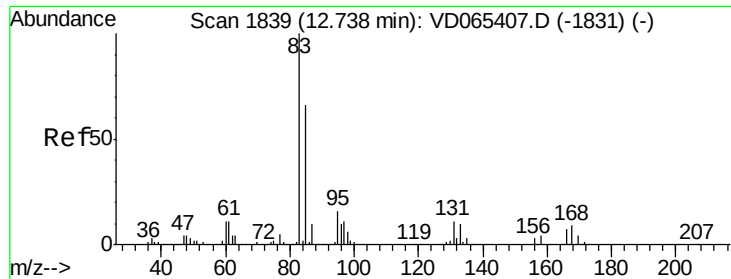
Abundance Ion 43.00 (42.70 to 43.70): V

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: 46.940 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampled :

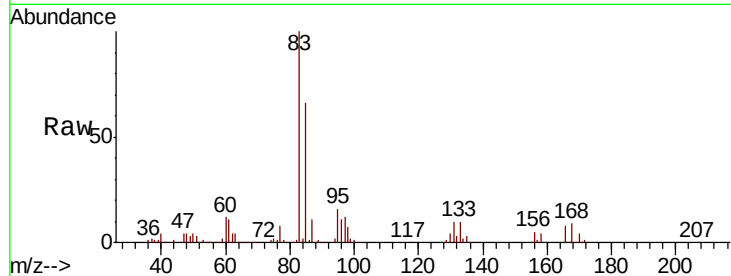
Tot Ion: 83 Resp: 170079

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

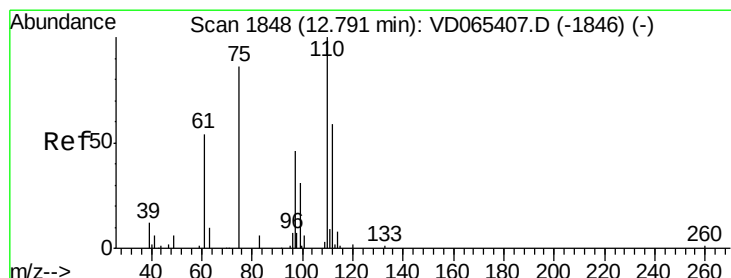
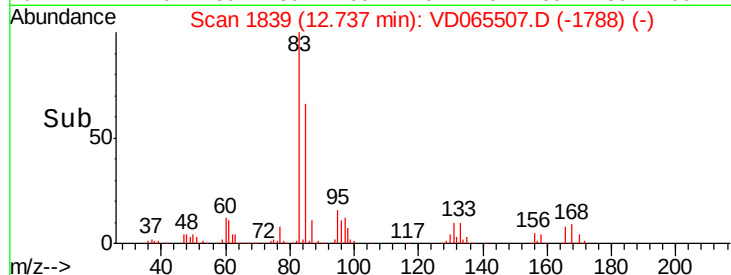
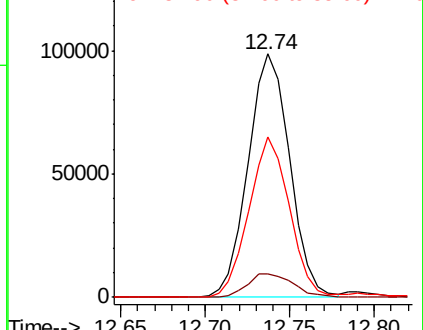
85 64.1 33.0 98.9



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: 90.696 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065507.D

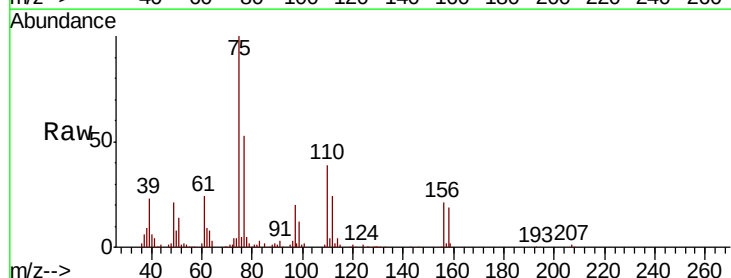
Acq: 13 Mar 2020 16:46

Tgt Ion: 75 Resp: 224282

Ion Ratio Lower Upper

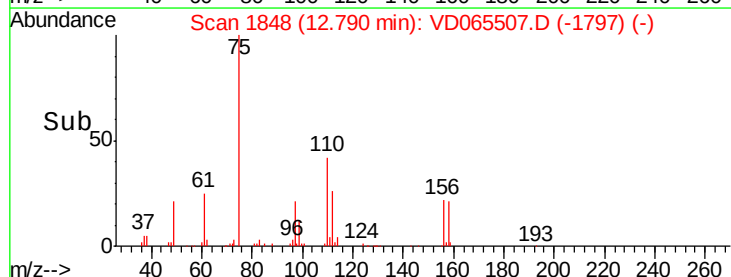
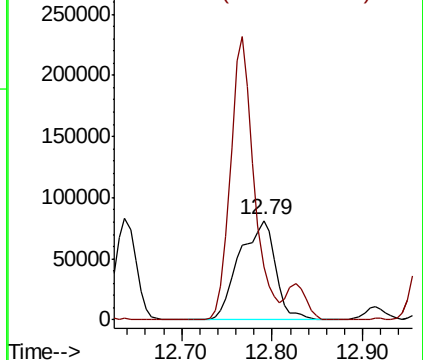
75 100

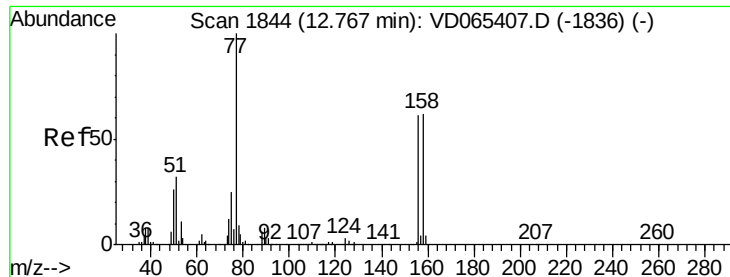
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.987 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

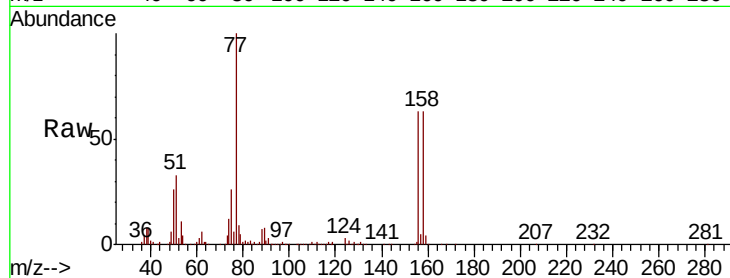
Tot Ion:156 Resp: 250882

Ion Ratio Lower Upper

156 100

77 167.7 84.9 254.6

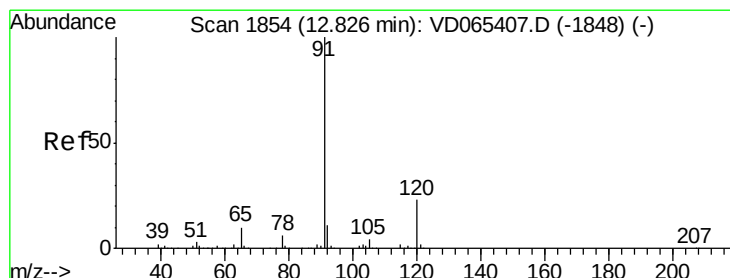
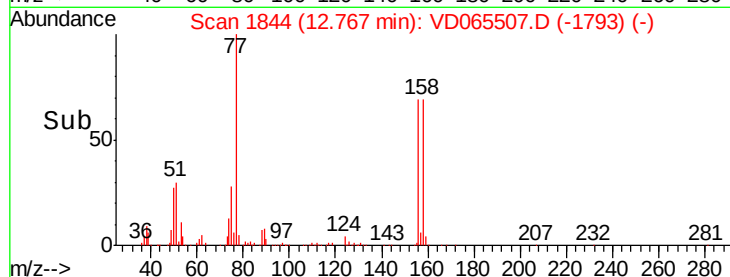
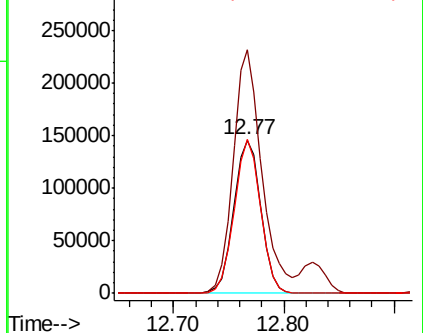
158 97.6 49.0 147.2



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: 49.497 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065507.D

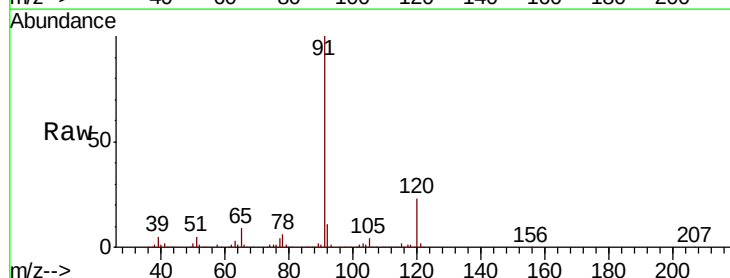
Acq: 13 Mar 2020 16:46

Tgt Ion: 91 Resp: 1210579

Ion Ratio Lower Upper

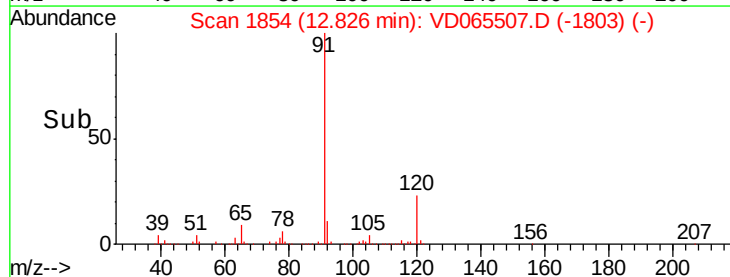
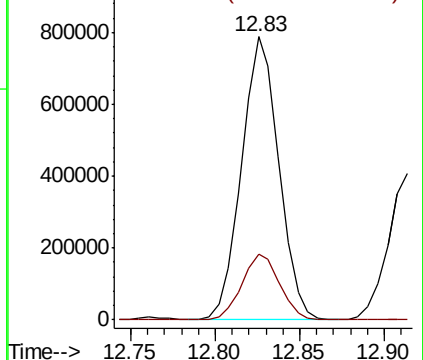
91 100

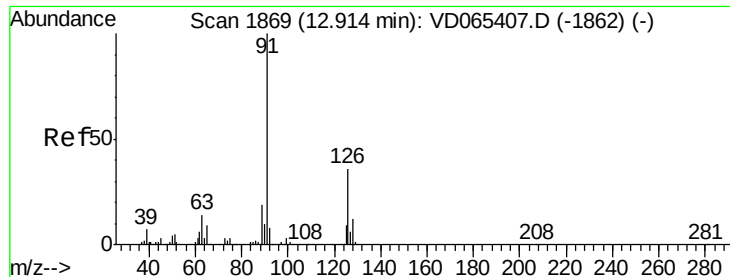
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

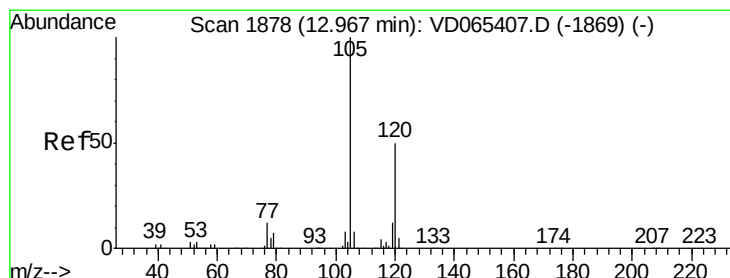
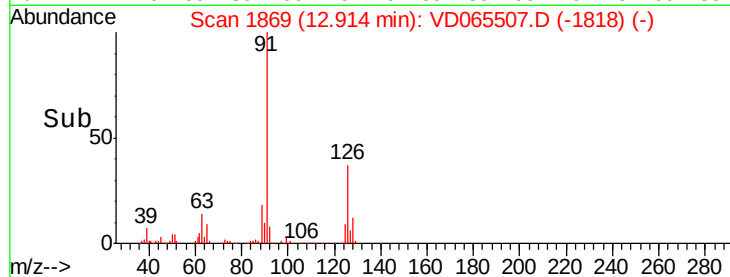
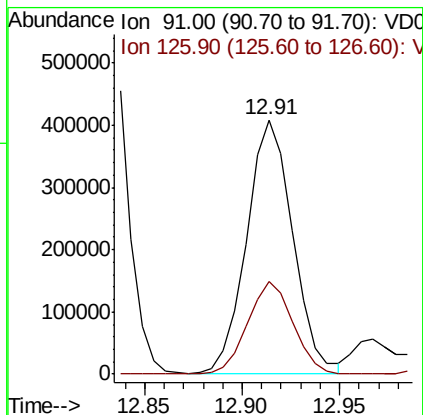
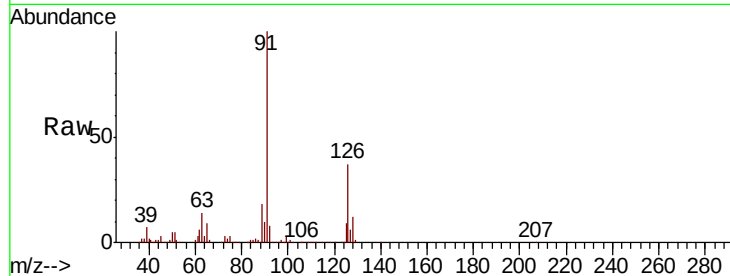




#79
 2-Chlorotoluene
 Concen: 48.533 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

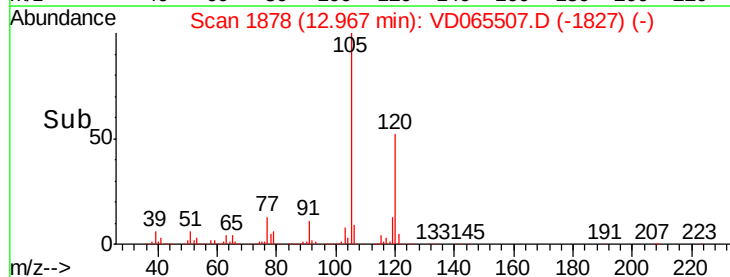
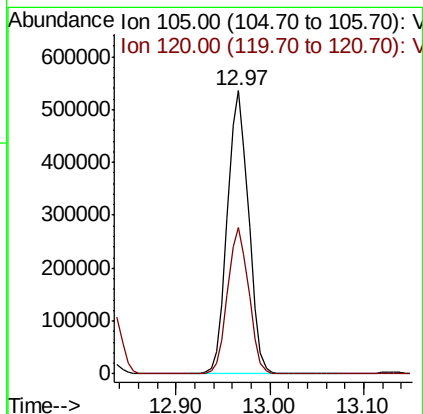
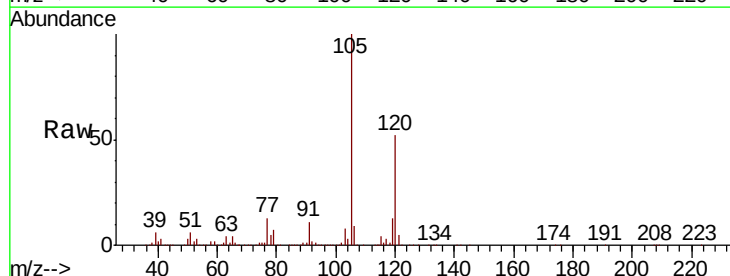
Instrument :
 MSVOA_D
 ClientSampleId :

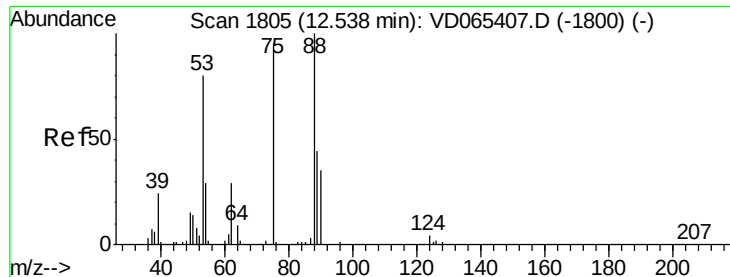
Tot Ion: 91 Resp: 668977
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 49.531 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion:105 Resp: 839370
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.424 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065507.D

Acq: 13 Mar 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

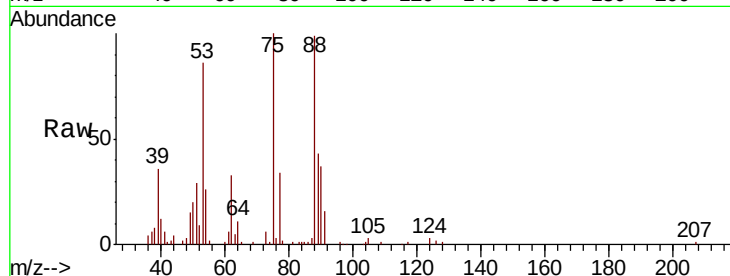
Tot Ion: 75 Resp: 56745

Ion Ratio Lower Upper

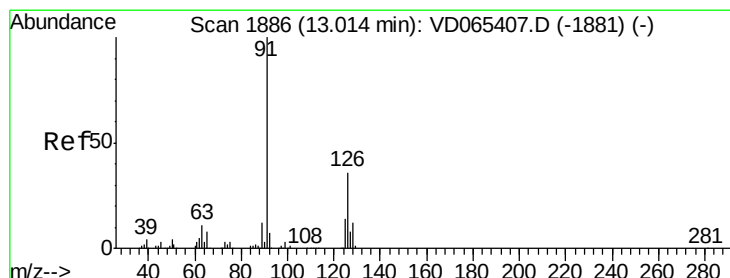
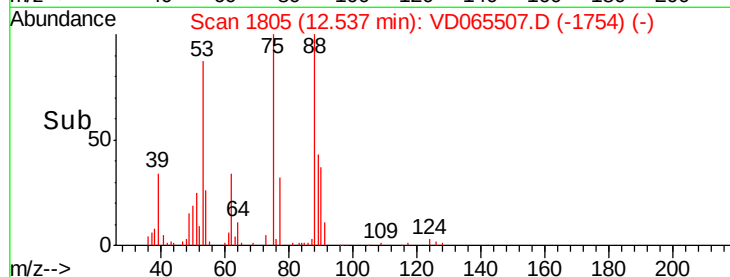
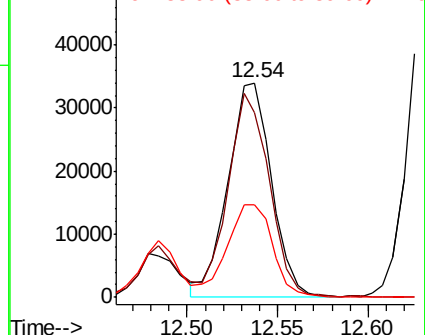
75 100

53 89.9 71.3 106.9

89 45.6 37.0 55.6



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



#82

4-Chlorotoluene

Concen: 49.138 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065507.D

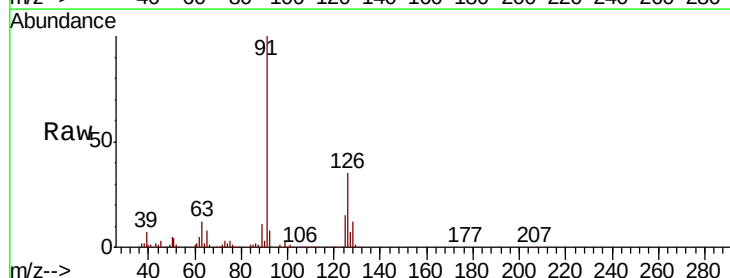
Acq: 13 Mar 2020 16:46

Tgt Ion: 91 Resp: 711747

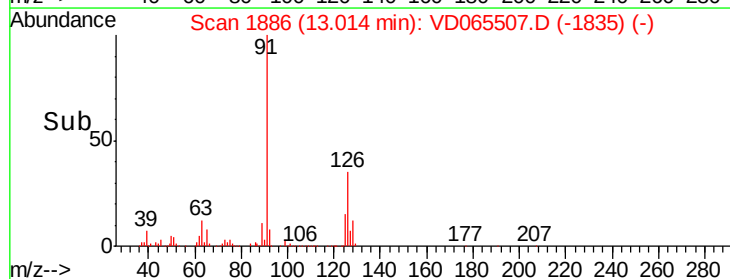
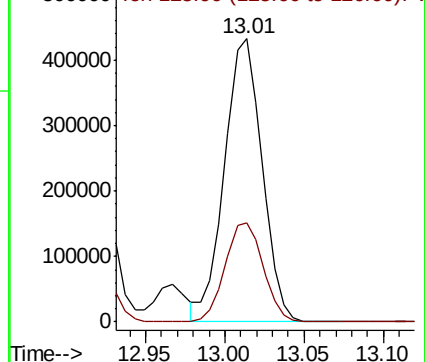
Ion Ratio Lower Upper

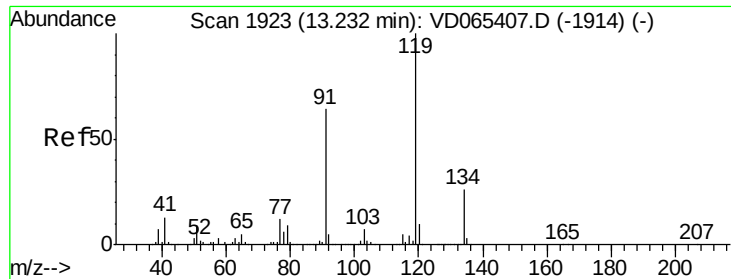
91 100

126 35.5 17.6 52.8



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

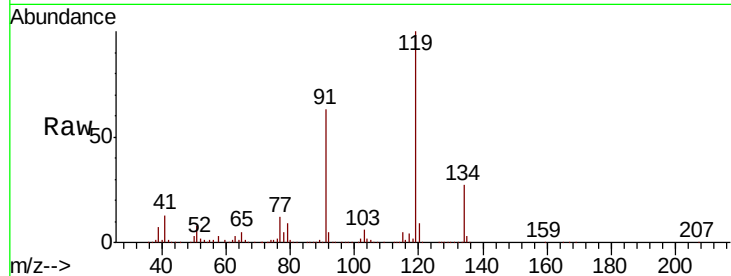




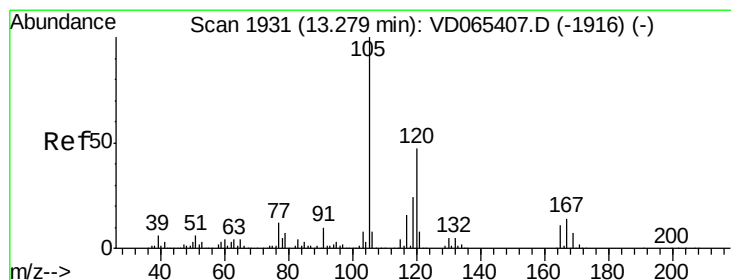
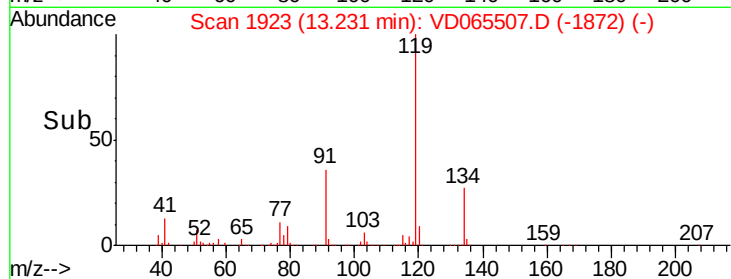
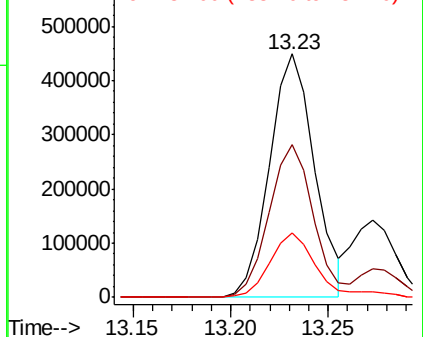
#83
tert-Butylbenzene
Concen: 50.050 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 717556
Ion Ratio Lower Upper
119 100
91 62.4 31.6 95.0
134 27.7 14.2 42.8

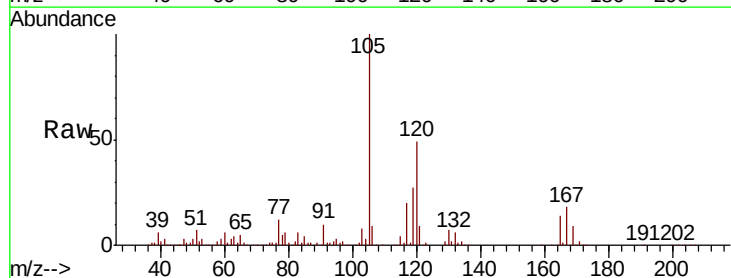


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

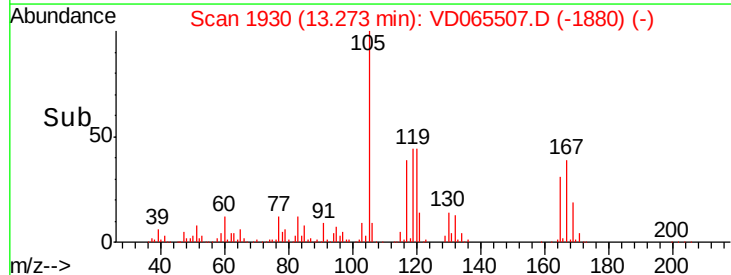
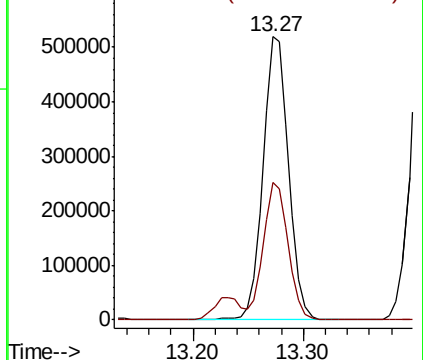


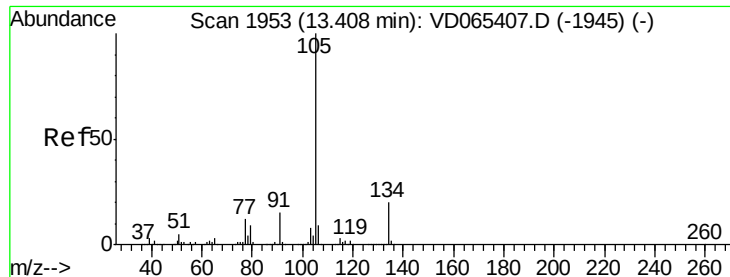
#84
1,2,4-Trimethylbenzene
Concen: 50.400 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion:105 Resp: 841891
Ion Ratio Lower Upper
105 100
120 47.0 23.4 70.3



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

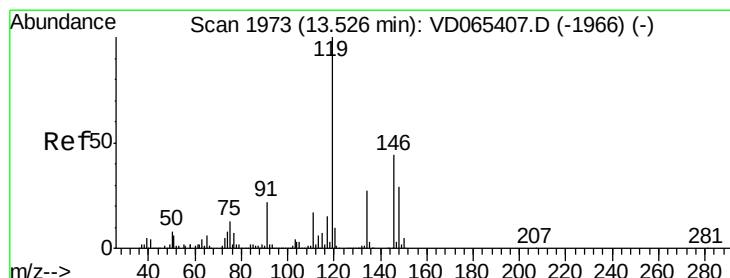
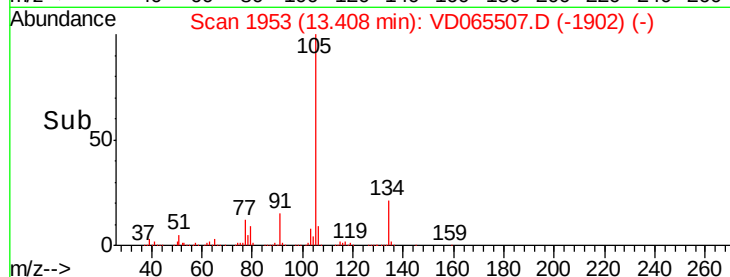
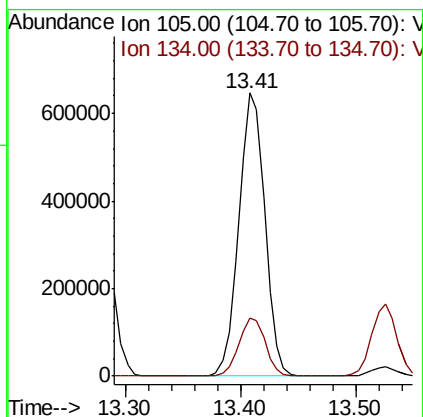
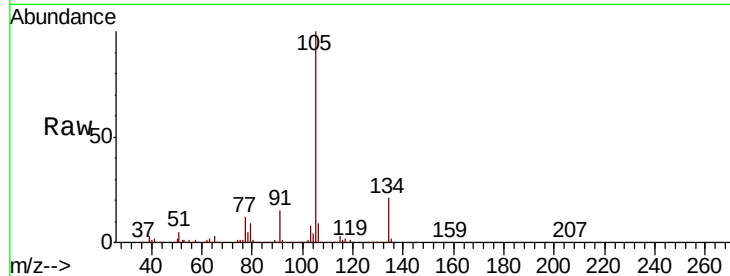




#85
 sec-Butylbenzene
 Concen: 49.248 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

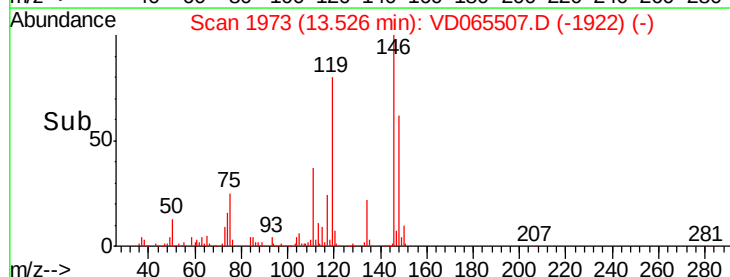
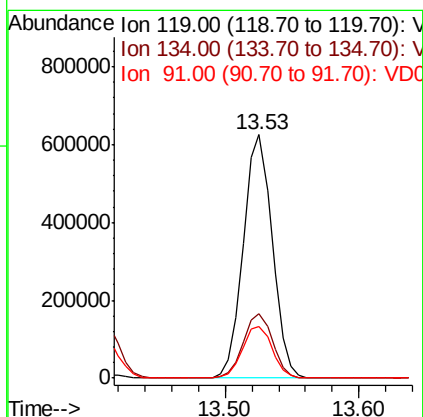
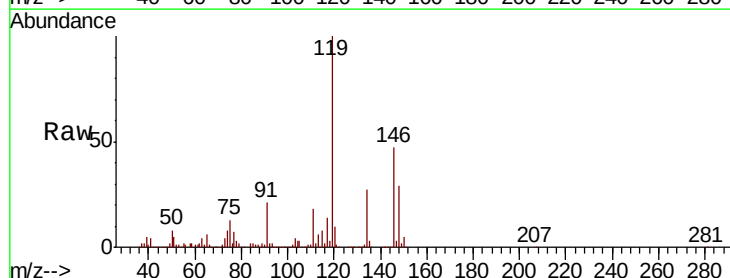
Instrument :
 MSVOA_D
 ClientSampleId :

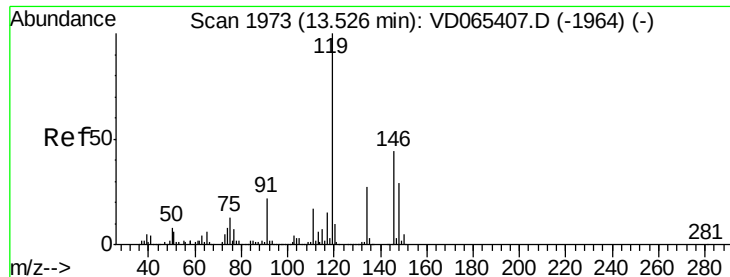
Tot Ion:105 Resp: 1007840
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 49.939 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion:119 Resp: 932548
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.9
 91 21.7 10.9 32.6

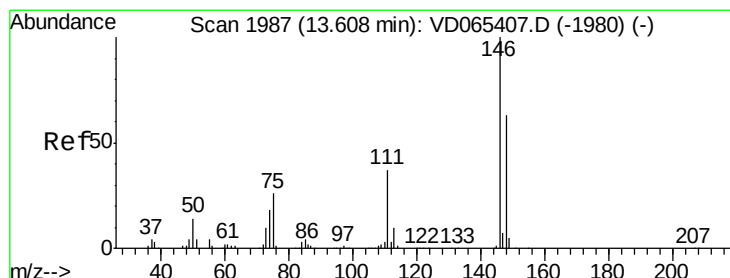
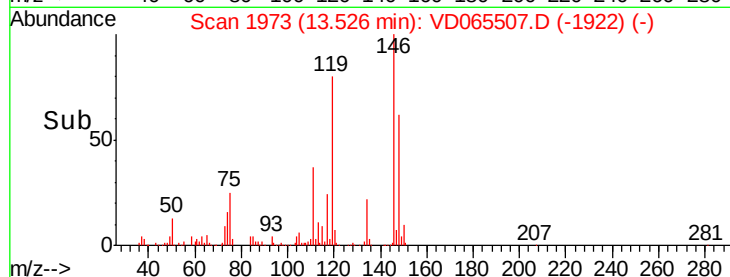
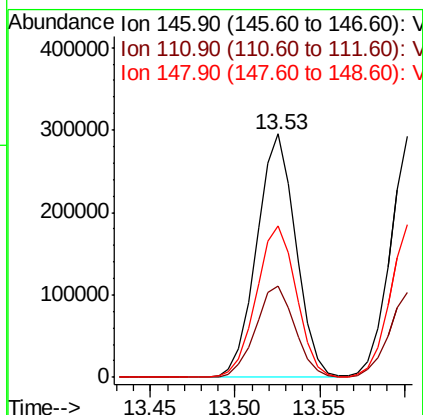
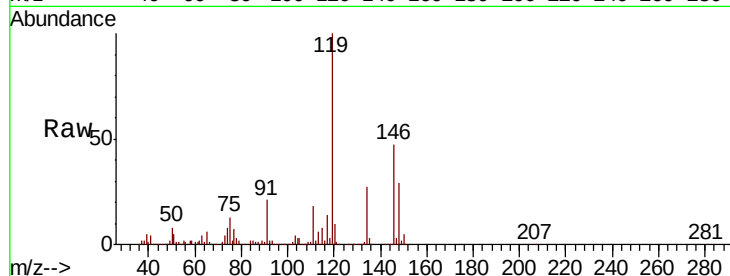




#87
 1,3-Dichlorobenzene
 Concen: 48.170 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

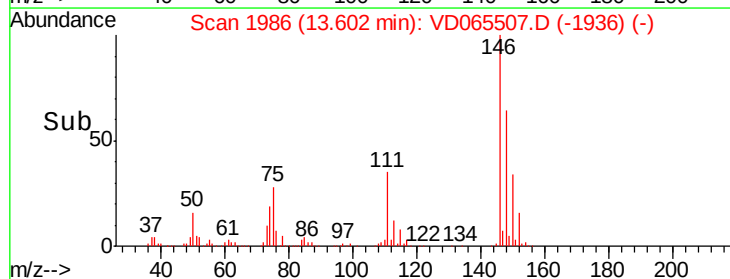
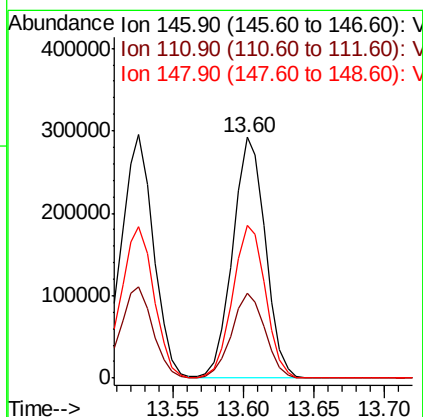
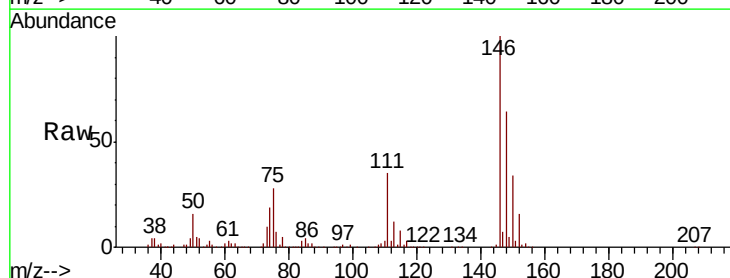
Instrument :
 MSVOA_D
 ClientSampleId :

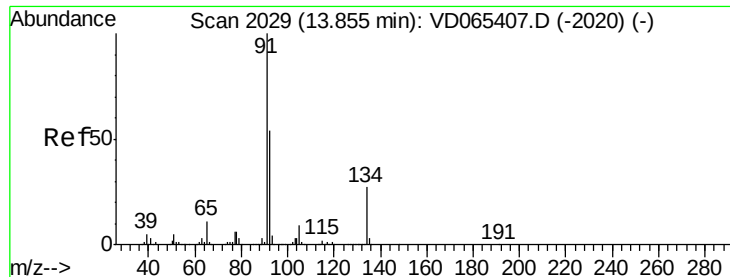
Tot Ion:146 Resp: 474286
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 63.6 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 48.052 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion:146 Resp: 470639
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.5 55.5
 148 63.7 32.0 96.0

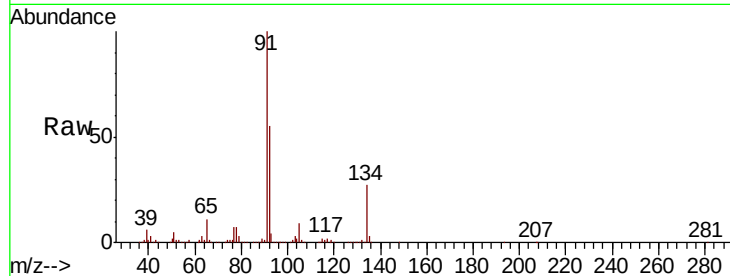




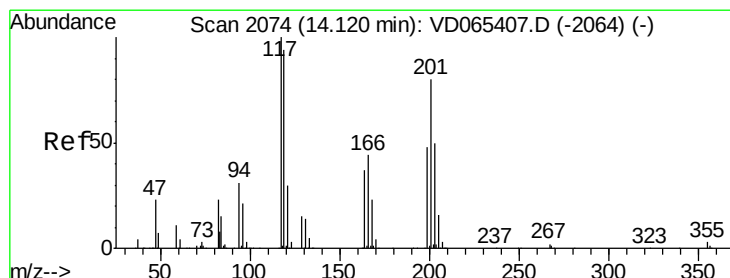
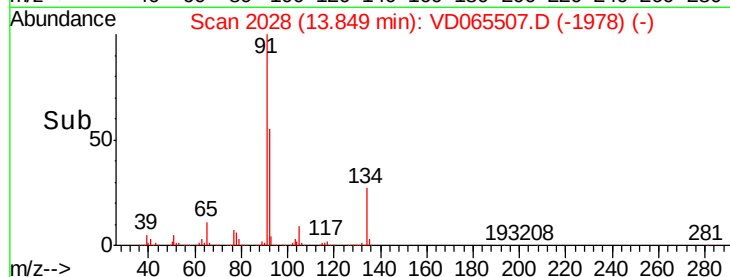
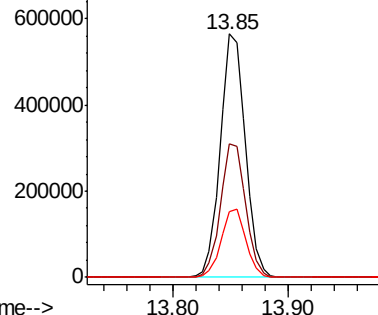
#89
n-Butylbenzene
Concen: 49.438 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 853485
Ion Ratio Lower Upper
91 100
92 54.8 26.8 80.4
134 27.6 13.4 40.2

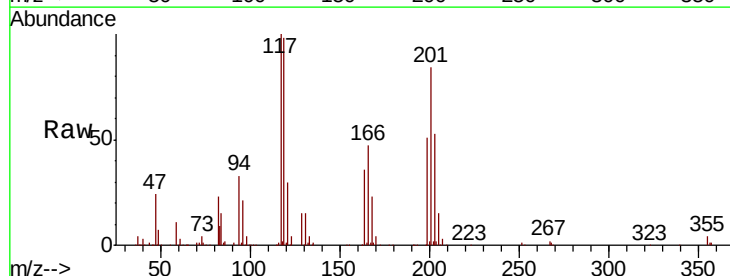


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V

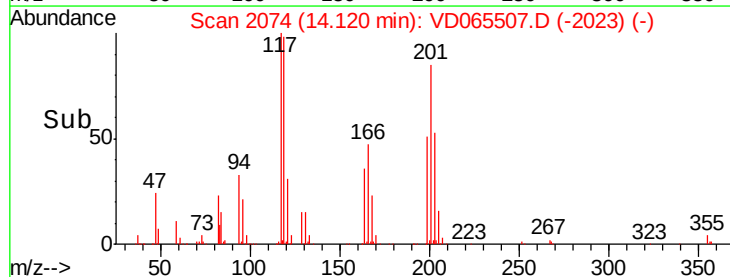
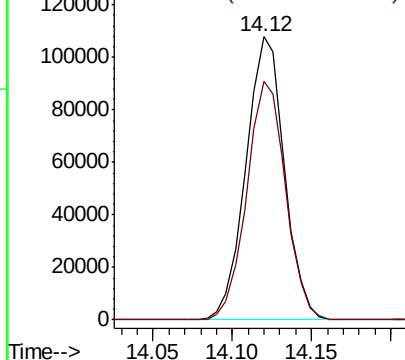


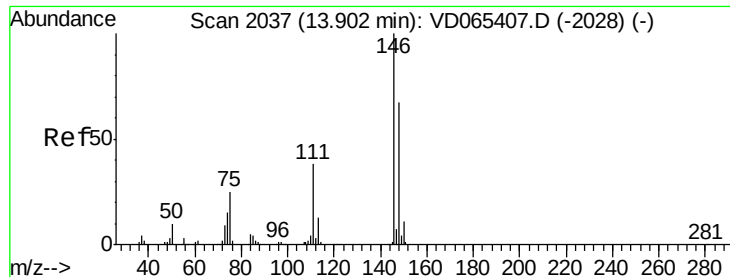
#90
Hexachloroethane
Concen: 47.350 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion: 117 Resp: 182091
Ion Ratio Lower Upper
117 100
201 84.9 41.9 125.6



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

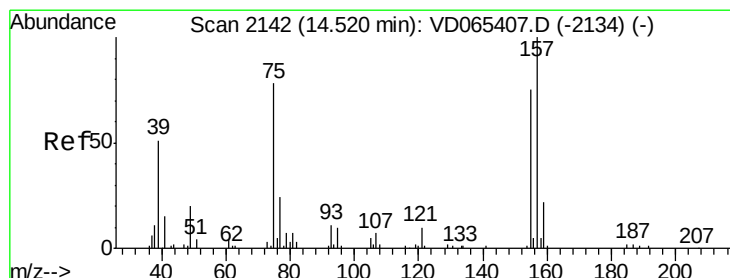
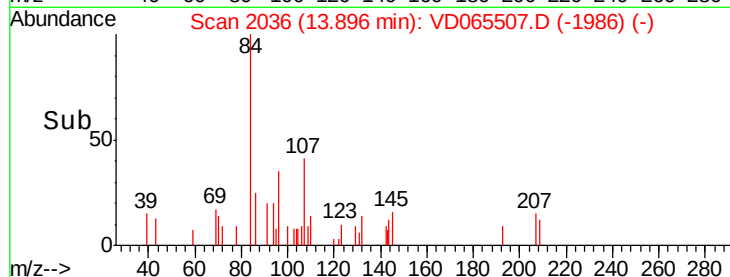
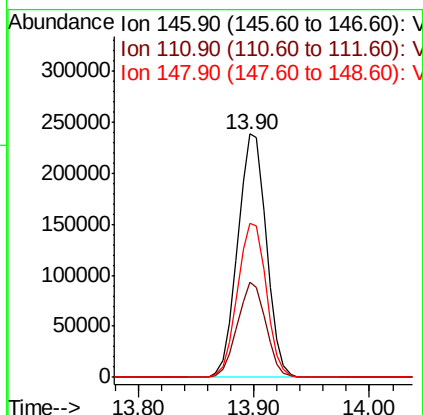
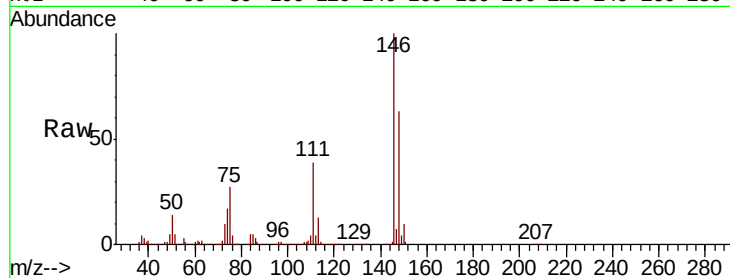




#91
 1,2-Dichlorobenzene
 Concen: 48.914 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

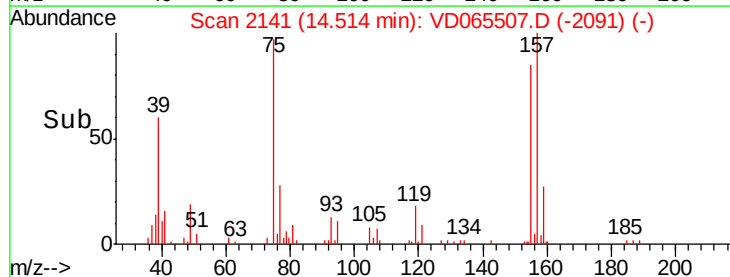
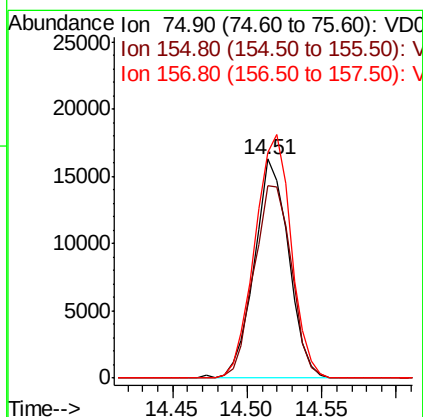
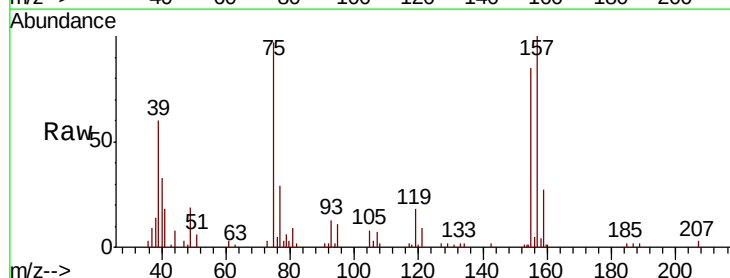
Instrument :
 MSVOA_D
 ClientSampleId :

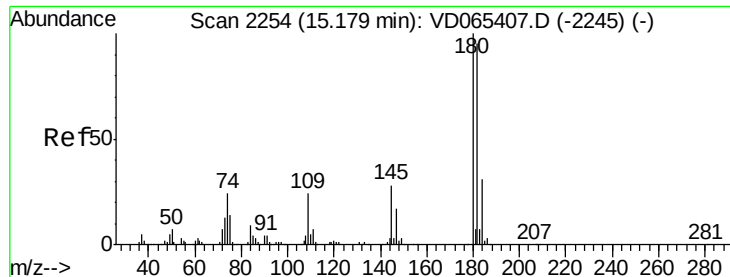
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	63.8	32.6	97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.840 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	46.4	139.1
157	117.5	60.2	180.4

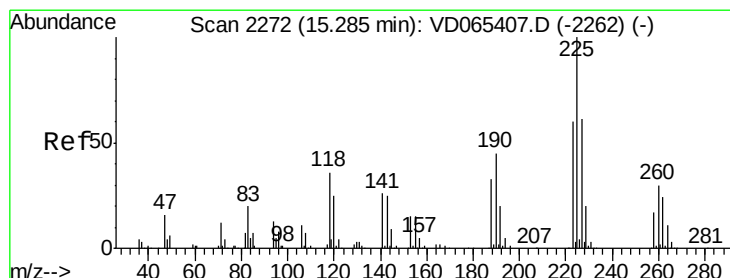
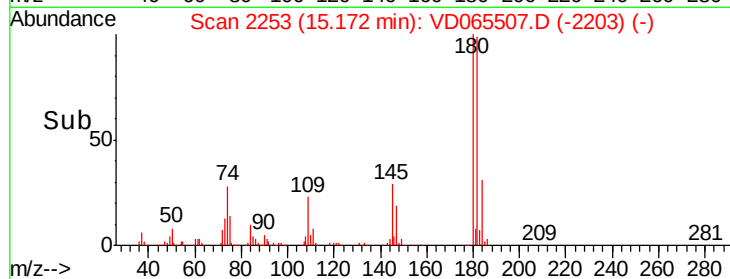
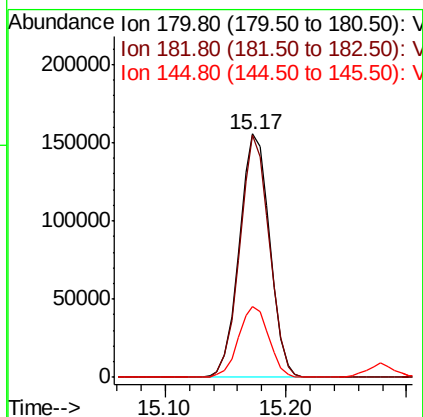
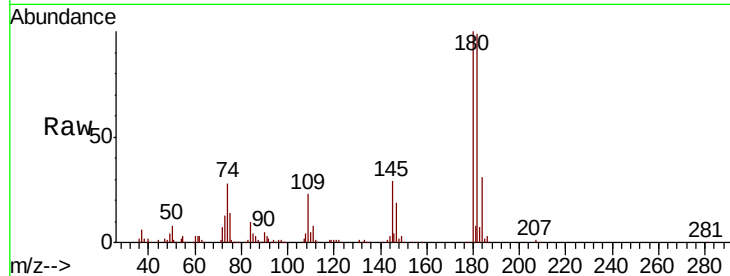




#93
 1,2,4-Trichlorobenzene
 Concen: 48.101 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

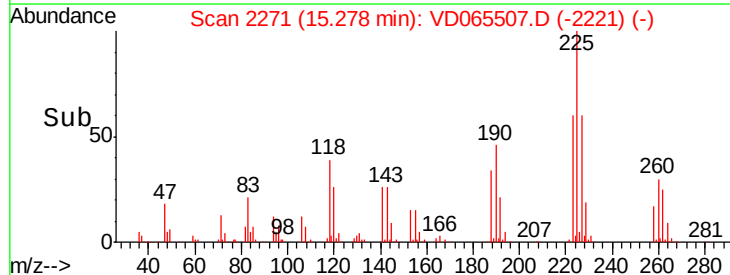
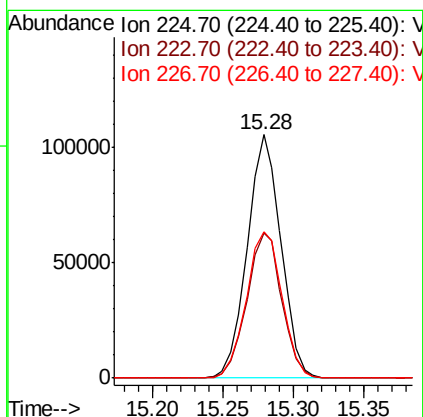
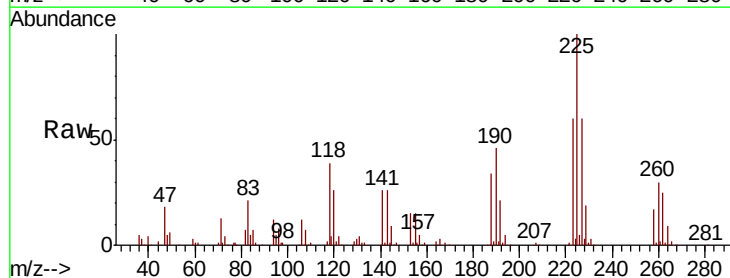
Instrument :
 MSVOA_D
 ClientSampleId :

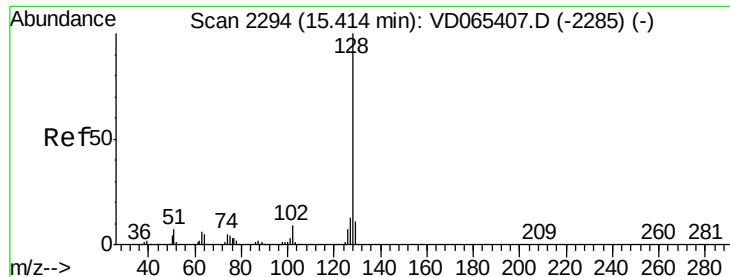
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	28.9	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 47.424 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065507.D
 Acq: 13 Mar 2020 16:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.9	92.5
227	63.7	31.6	94.7

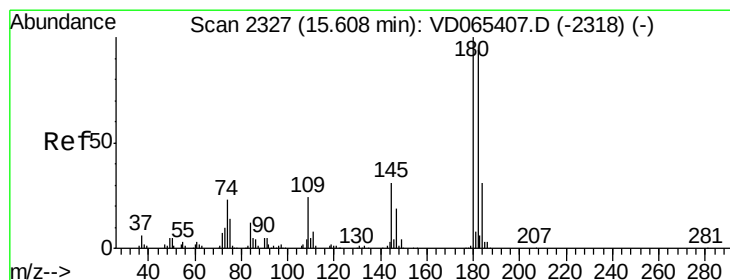
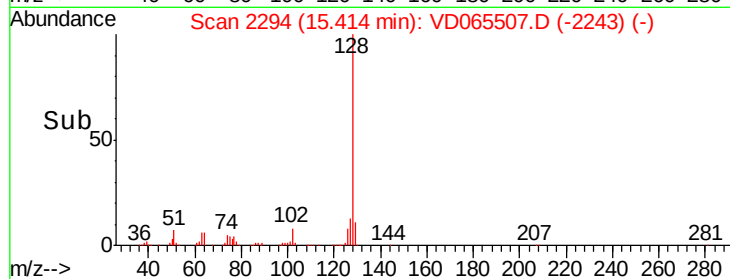
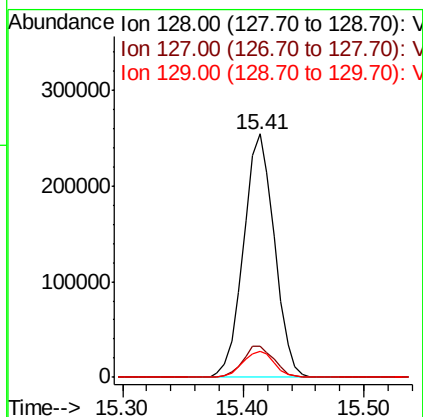
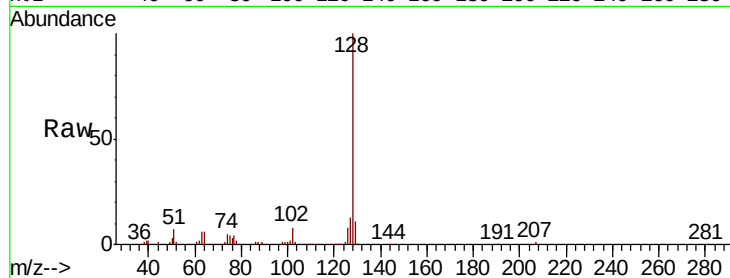




#95
Naphthalene
Concen: 45.282 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 453722
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.800 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065507.D
Acq: 13 Mar 2020 16:46

Tgt Ion:180 Resp: 239483
Ion Ratio Lower Upper
180 100
182 96.7 46.9 140.6
145 30.7 15.0 45.1

