

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
 Data File : VD065187.D
 Acq On : 14 Feb 2020 14:53
 Operator : VA/SY
 Sample : VD0214SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 15 00:09:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	431122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	654646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	584967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	208740	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
35) Dibromofluoromethane	7.92	113	219474	60.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.18%	
50) Toluene-d8	10.34	98	834710	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
62) 4-Bromofluorobenzene	12.64	95	258856	56.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77421	21.580	ug/l	99
3) Chloromethane	2.21	50	97499	23.086	ug/l	95
4) Vinyl Chloride	2.35	62	102639	22.980	ug/l	100
5) Bromomethane	2.77	94	59644	20.595	ug/l	99
6) Chloroethane	2.92	64	63512	22.924	ug/l	98
7) Trichlorofluoromethane	3.27	101	144617	22.249	ug/l	99
8) Diethyl Ether	3.71	74	40004	21.439	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90232	22.708	ug/l	100
10) Methyl Iodide	4.30	142	93754	20.672	ug/l	99
11) Tert butyl alcohol	5.26	59	21986	98.206	ug/l	94
12) 1,1-Dichloroethene	4.06	96	85401	22.441	ug/l	97
13) Acrolein	3.92	56	20767	75.417	ug/l	99
14) Allyl chloride	4.71	41	138249	21.858	ug/l	97
15) Acrylonitrile	5.43	53	87717	107.525	ug/l	99
16) Acetone	4.16	43	87480	95.491	ug/l	96
17) Carbon Disulfide	4.40	76	273890	22.415	ug/l	99
18) Methyl Acetate	4.73	43	46797	24.450	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	172606	20.511	ug/l	94
20) Methylene Chloride	4.96	84	109610	25.220	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	96271	22.360	ug/l	91
22) Diisopropyl ether	6.37	45	275467	23.090	ug/l	97
23) Vinyl Acetate	6.31	43	685315	103.061	ug/l	99
24) 1,1-Dichloroethane	6.27	63	164678	22.805	ug/l	97
25) 2-Butanone	7.22	43	111896	102.396	ug/l	97
26) 2,2-Dichloropropane	7.21	77	146426	22.623	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	100871	22.053	ug/l	99
28) Bromochloromethane	7.54	49	57000	20.823	ug/l	99
29) Tetrahydrofuran	7.57	42	68332	103.401	ug/l	97
30) Chloroform	7.71	83	169011	23.506	ug/l	97
31) Cyclohexane	7.99	56	156376	21.453	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	152849	22.821	ug/l	99
36) 1,1-Dichloropropene	8.11	75	134976	22.174	ug/l	99
37) Ethyl Acetate	7.30	43	50083	20.139	ug/l	98
38) Carbon Tetrachloride	8.10	117	139877	22.499	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
 Data File : VD065187.D
 Acq On : 14 Feb 2020 14:53
 Operator : VA/SY
 Sample : VD0214SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 15 00:09:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151333	20.141	ug/l	99
40) Benzene	8.36	78	378905	22.541	ug/l	97
41) Methacrylonitrile	7.53	41	28601	20.876	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	101654	21.223	ug/l	99
43) Isopropyl Acetate	8.46	43	95241	20.021	ug/l	98
44) Trichloroethene	9.11	130	103356	21.421	ug/l	99
45) 1,2-Dichloropropane	9.39	63	92440	22.936	ug/l	96
46) Dibromomethane	9.48	93	46094	21.765	ug/l	98
47) Bromodichloromethane	9.67	83	125639	22.515	ug/l	98
48) Methyl methacrylate	9.46	41	44857	19.596	ug/l	98
49) 1,4-Dioxane	9.47	88	9857	392.957	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	239659	102.350	ug/l	100
52) Toluene	10.41	92	239454	22.319	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	115860	21.325	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	141661	21.801	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65568	22.571	ug/l	98
56) Ethyl methacrylate	10.67	69	72072	19.609	ug/l	98
57) 1,3-Dichloropropane	10.95	76	113511	22.222	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	115728	84.898	ug/l	99
59) 2-Hexanone	10.99	43	166373	100.311	ug/l	97
60) Dibromochloromethane	11.14	129	83263	22.129	ug/l	96
61) 1,2-Dibromoethane	11.25	107	61277	21.588	ug/l	99
64) Tetrachloroethene	10.88	164	87576	20.835	ug/l	98
65) Chlorobenzene	11.68	112	248204	21.937	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	90135	21.585	ug/l	96
67) Ethyl Benzene	11.75	91	437336	21.276	ug/l	98
68) m/p-Xylenes	11.86	106	340246	43.368	ug/l	99
69) o-Xylene	12.19	106	148101	20.963	ug/l	99
70) Styrene	12.20	104	264394	21.532	ug/l	99
71) Bromoform	12.37	173	49102	21.846	ug/l #	98
73) Isopropylbenzene	12.48	105	406325	21.417	ug/l	99
74) N-amyl acetate	12.30	43	84995	20.611	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	69370	23.232	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	89788	42.904	ug/l #	100
77) Bromobenzene	12.77	156	101316	22.165	ug/l	99
78) n-propylbenzene	12.83	91	494643	22.263	ug/l	100
79) 2-Chlorotoluene	12.91	91	273696	22.100	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	335066	21.588	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	21955	20.981	ug/l	94
82) 4-Chlorotoluene	13.01	91	291996	22.449	ug/l	100
83) tert-Butylbenzene	13.23	119	277006	20.687	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	335358	21.763	ug/l	98
85) sec-Butylbenzene	13.41	105	394643	21.578	ug/l	100
86) p-Isopropyltoluene	13.53	119	364596	21.456	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	188829	22.064	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	187503	22.012	ug/l	99
89) n-Butylbenzene	13.86	91	338092	21.556	ug/l	99
90) Hexachloroethane	14.12	117	71896	22.344	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	161088	21.975	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10301	21.133	ug/l	98

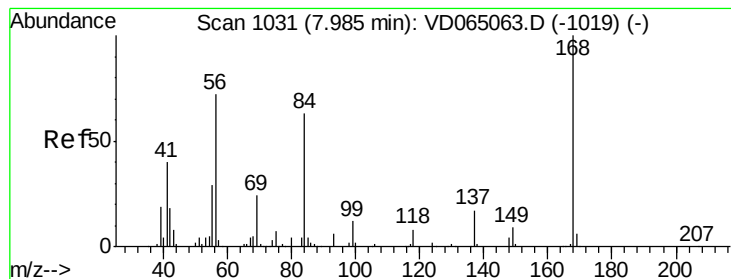
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021420\
Data File : VD065187.D
Acq On : 14 Feb 2020 14:53
Operator : VA/SY
Sample : VD0214SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 15 00:09:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108377	20.685	ug/l	98
94) Hexachlorobutadiene	15.28	225	67951	21.092	ug/l	99
95) Naphthalene	15.41	128	158738	18.228	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	90668	20.231	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

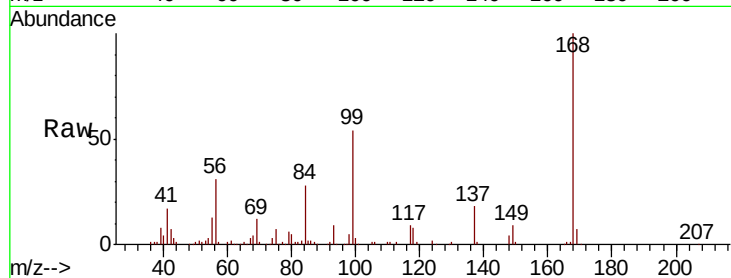
ClientSampleId :

Tot Ion:168 Resp: 431122

Ion Ratio Lower Upper

168 100

99 54.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

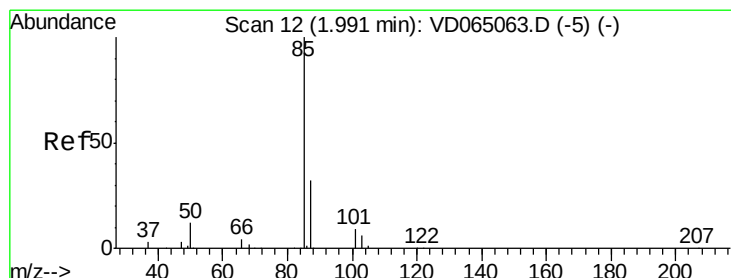
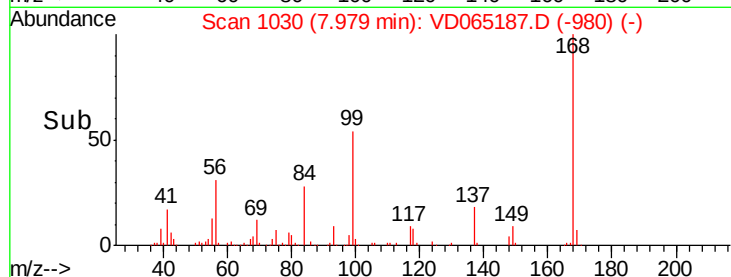
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.580 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065187.D

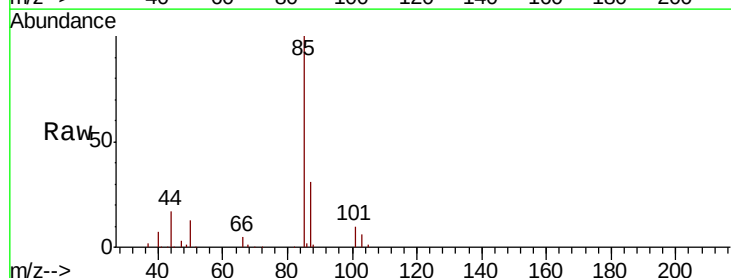
Acq: 14 Feb 2020 14:53

Tgt Ion: 85 Resp: 77421

Ion Ratio Lower Upper

85 100

87 30.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

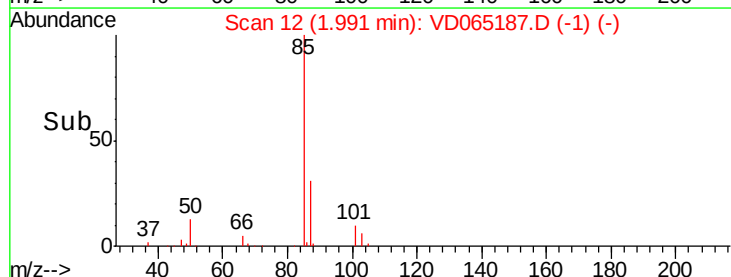
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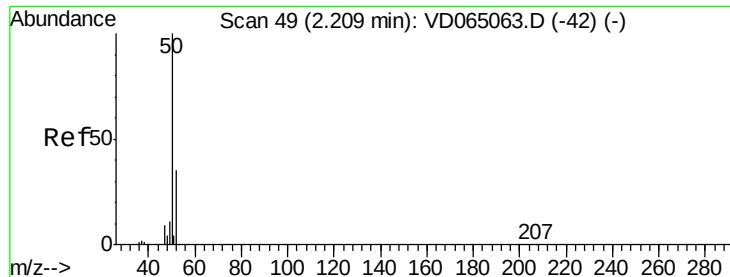
10000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 23.086 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

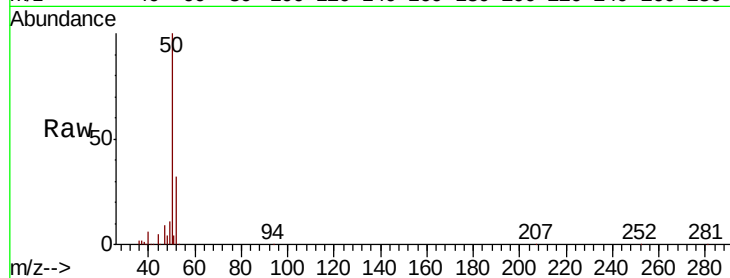
ClientSampleId :

Tot Ion: 50 Resp: 97499

Ion Ratio Lower Upper

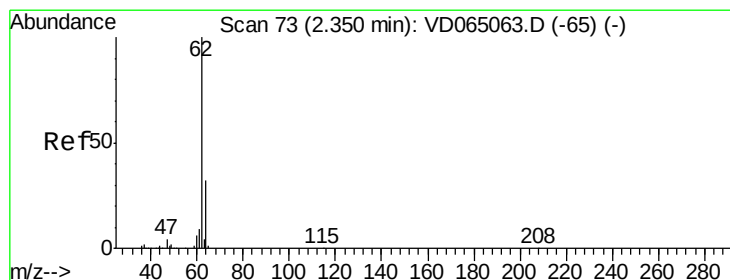
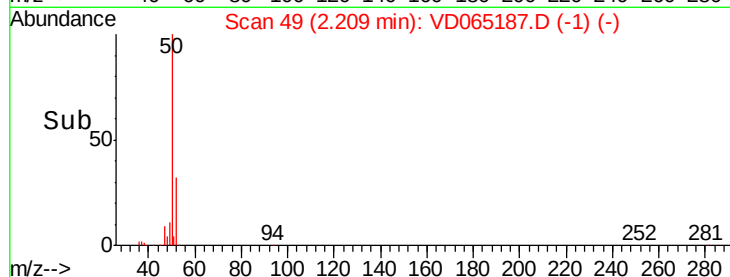
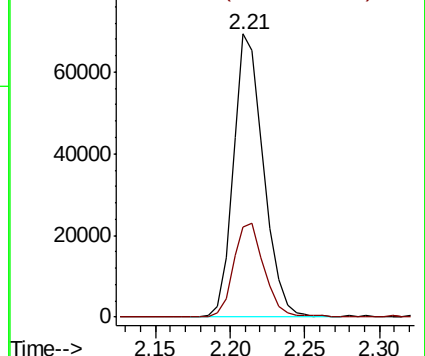
50 100

52 31.7 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.980 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065187.D

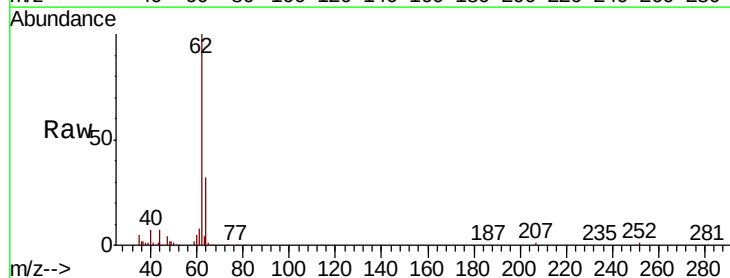
Acq: 14 Feb 2020 14:53

Tgt Ion: 62 Resp: 102639

Ion Ratio Lower Upper

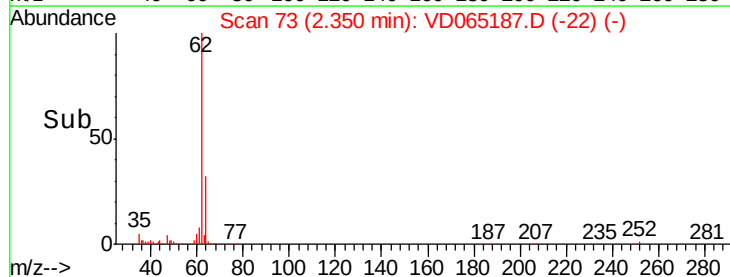
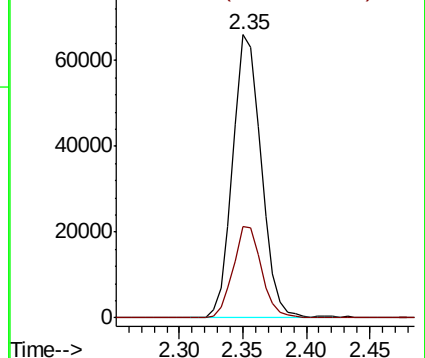
62 100

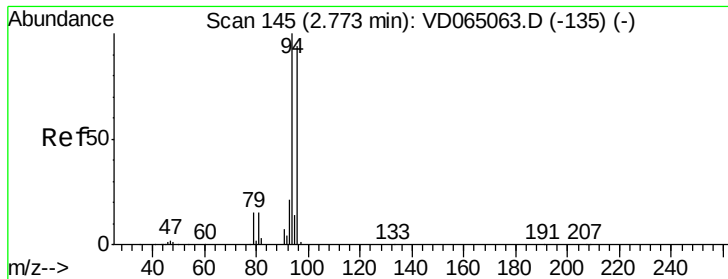
64 32.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.595 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

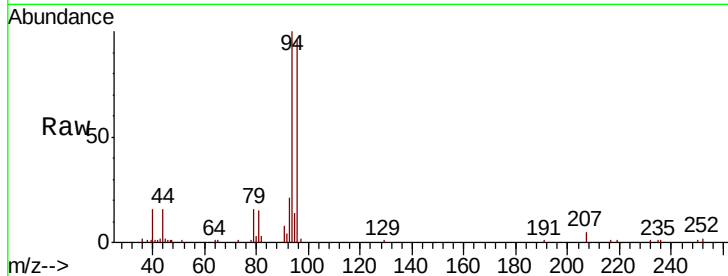
ClientSampled :

Tot Ion: 94 Resp: 59644

Ion Ratio Lower Upper

94 100

96 94.9 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

25000

20000

15000

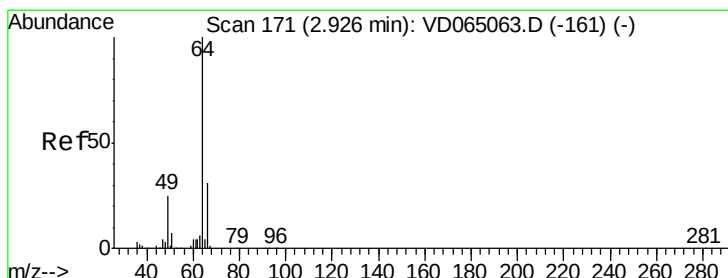
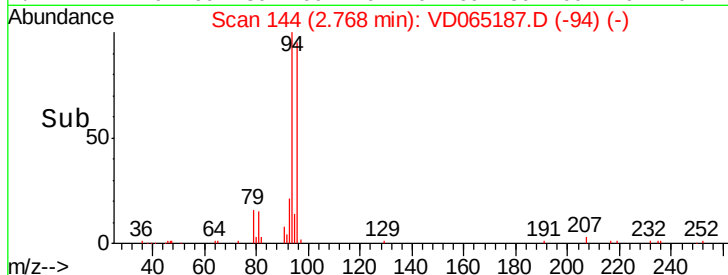
10000

5000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 22.924 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065187.D

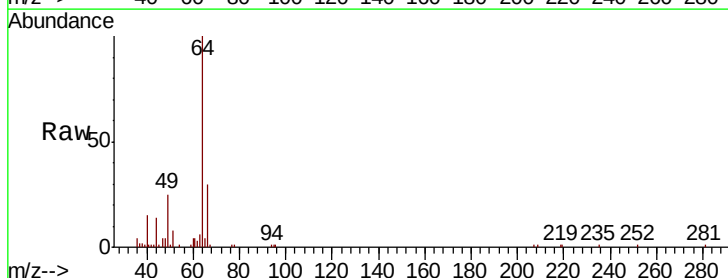
Acq: 14 Feb 2020 14:53

Tgt Ion: 64 Resp: 63512

Ion Ratio Lower Upper

64 100

66 29.7 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

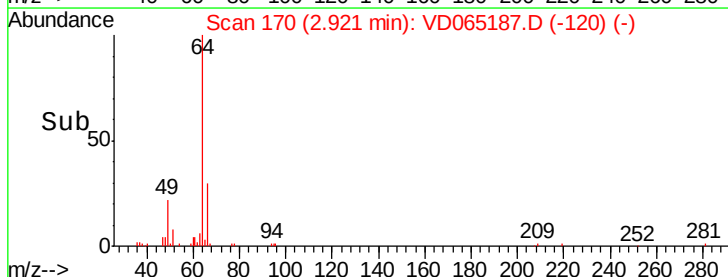
20000

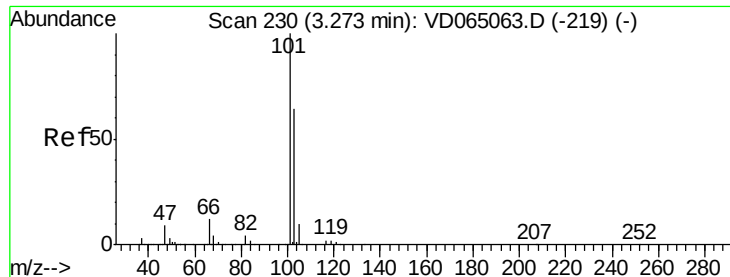
10000

0

2.80 2.90 3.00

Time-->



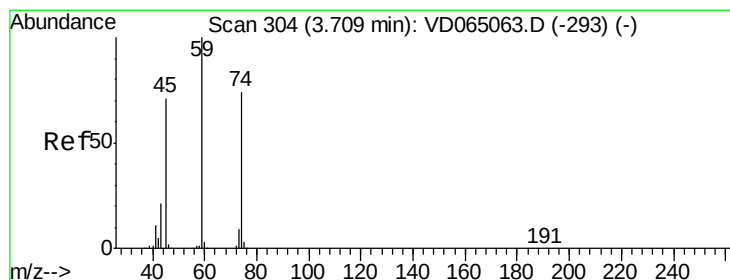
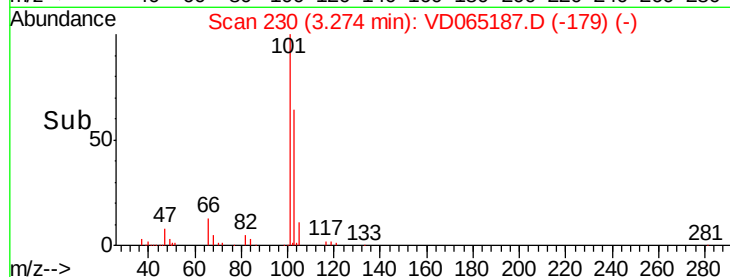
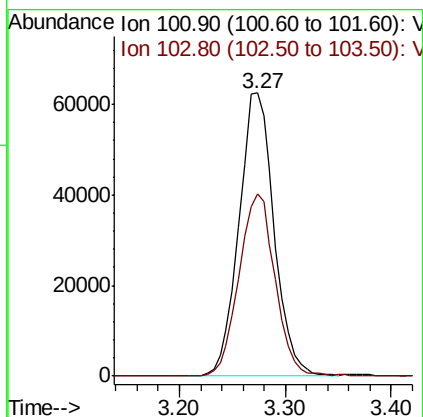
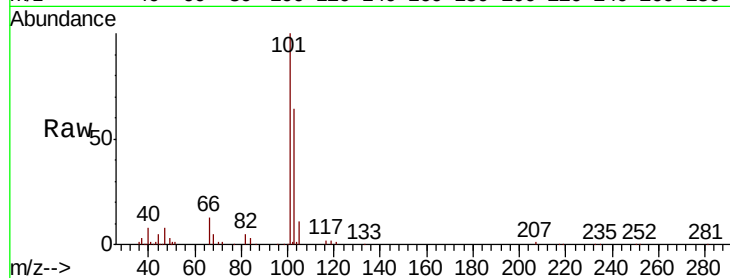


#7

Trichlorofluoromethane
 Concen: 22.249 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Instrument :
 MSVOA_D
 ClientSampleId :

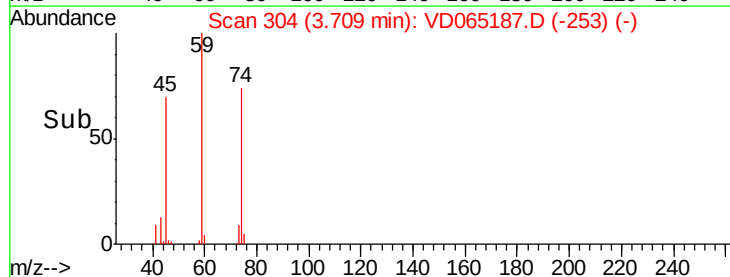
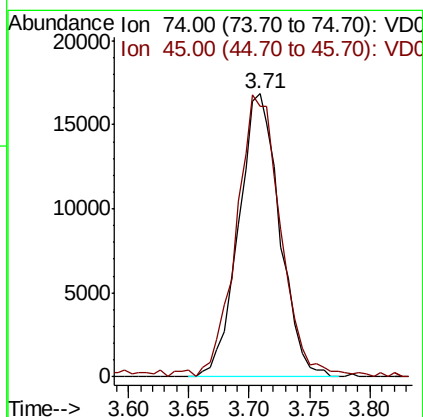
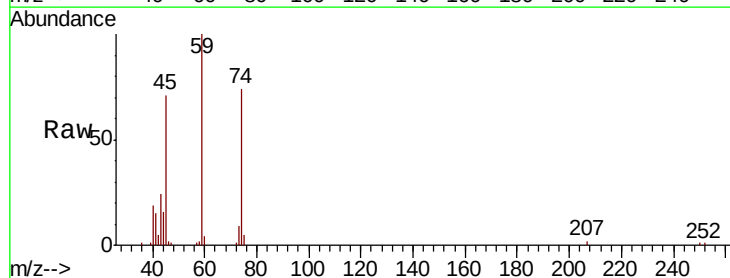
Tot Ion:101 Resp: 144617
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.0 76.6

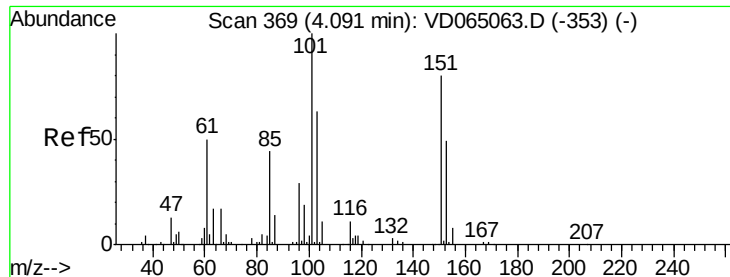


#8

Diethyl Ether
 Concen: 21.439 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Tgt Ion: 74 Resp: 40004
 Ion Ratio Lower Upper
 74 100
 45 107.2 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.708 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

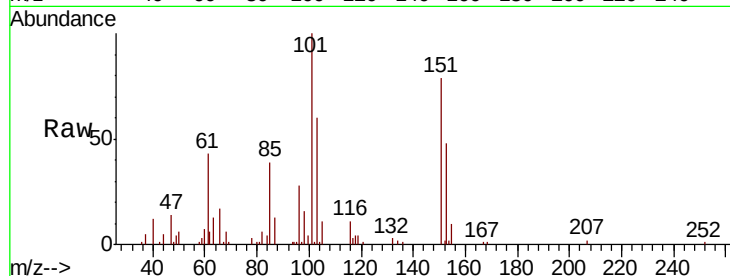
Tot Ion:101 Resp: 90232

Ion Ratio Lower Upper

101 100

85 43.0 34.0 51.0

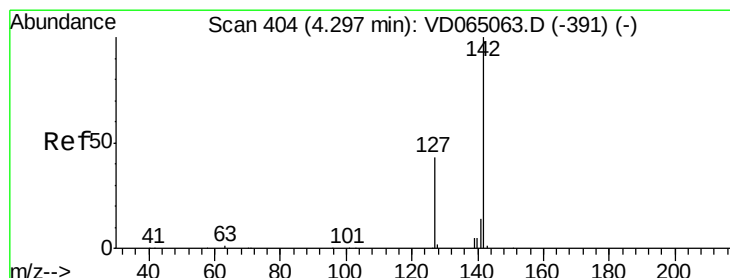
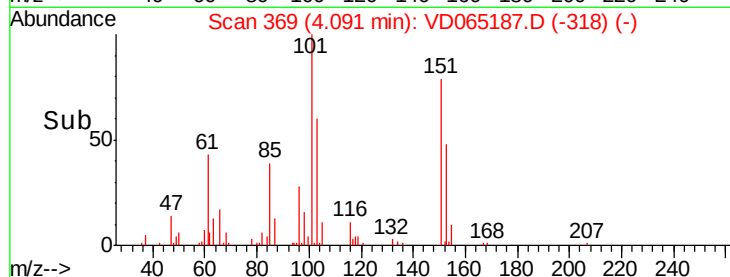
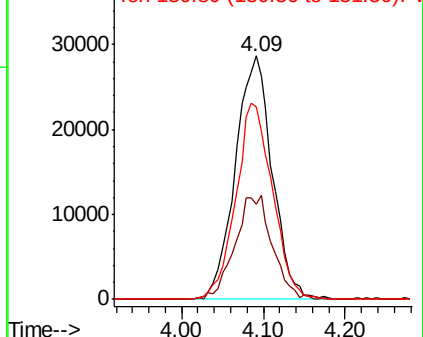
151 79.7 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.672 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

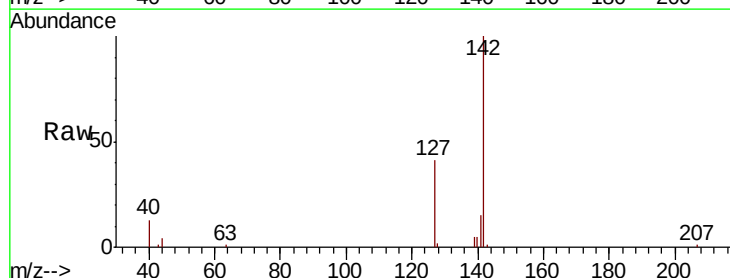
Tgt Ion:142 Resp: 93754

Ion Ratio Lower Upper

142 100

127 41.6 34.0 51.0

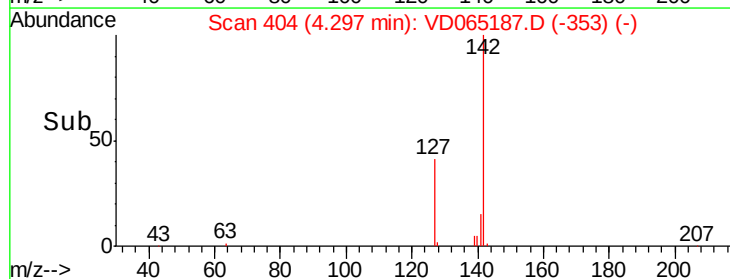
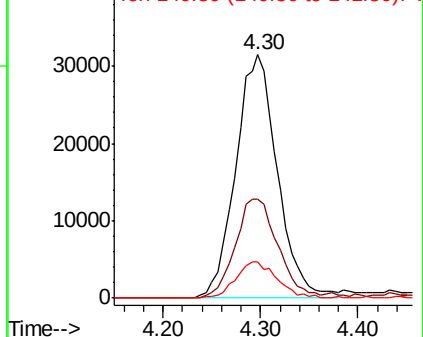
141 14.7 11.6 17.4

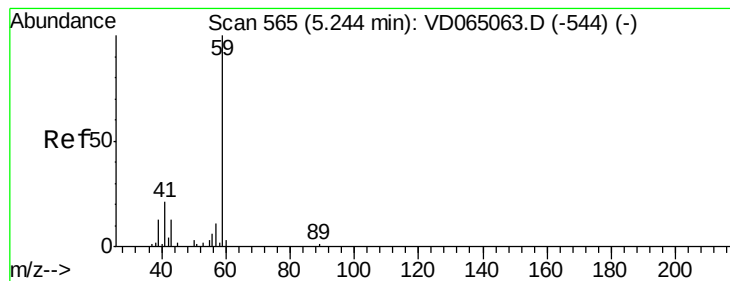


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



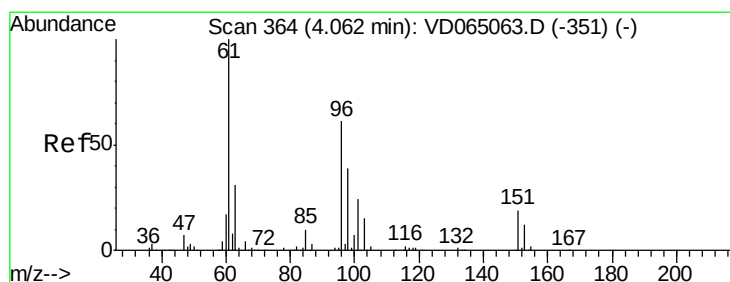
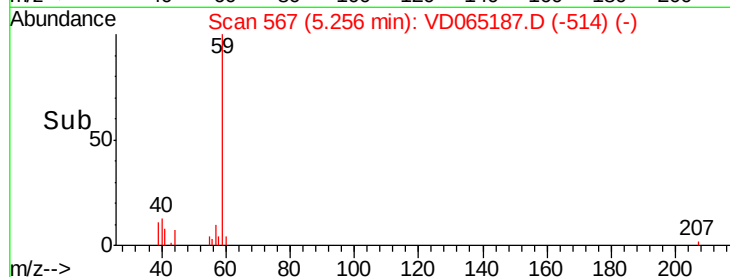
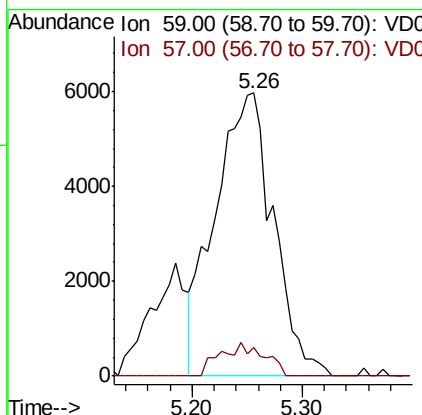
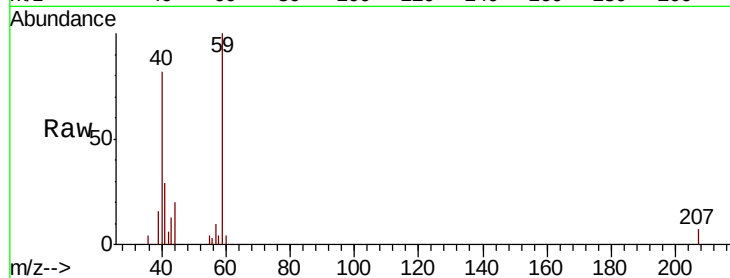


#11

Tert butyl alcohol
 Concen: 98.206 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Instrument :
 MSVOA_D
 ClientSampleId :

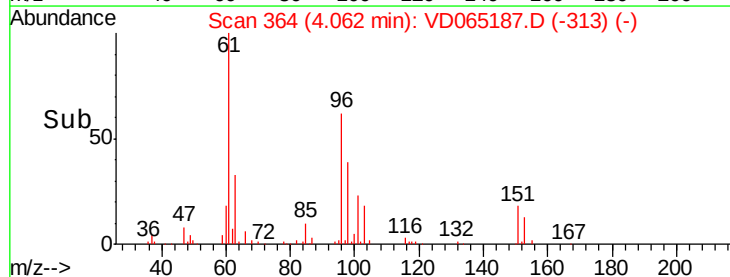
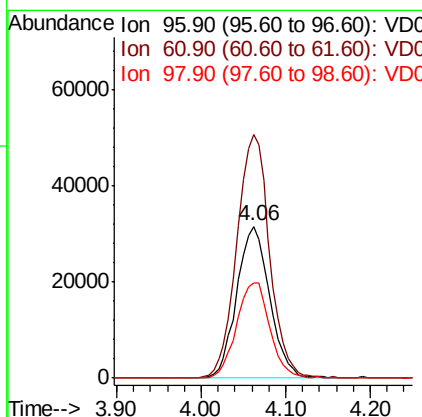
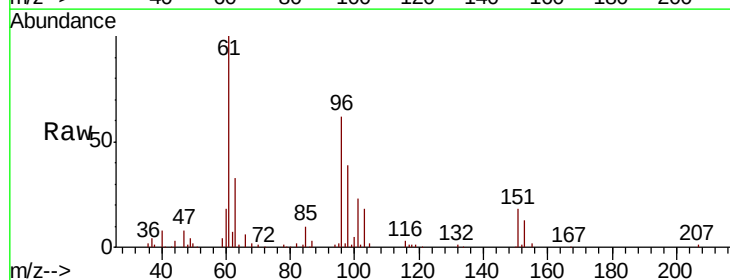
Tot Ion: 59 Resp: 21986
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.8 13.2

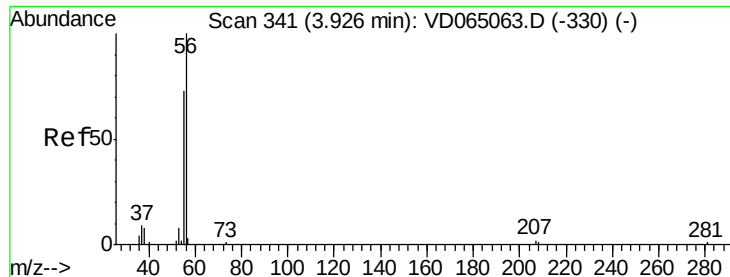


#12

1,1-Dichloroethene
 Concen: 22.441 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Tgt Ion: 96 Resp: 85401
 Ion Ratio Lower Upper
 96 100
 61 160.3 131.4 197.2
 98 62.4 51.1 76.7





#13

Acrolein

Concen: 75.417 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

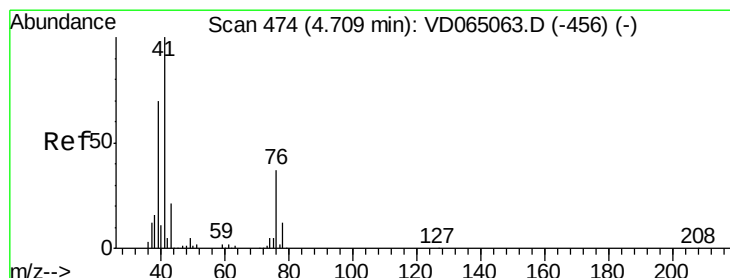
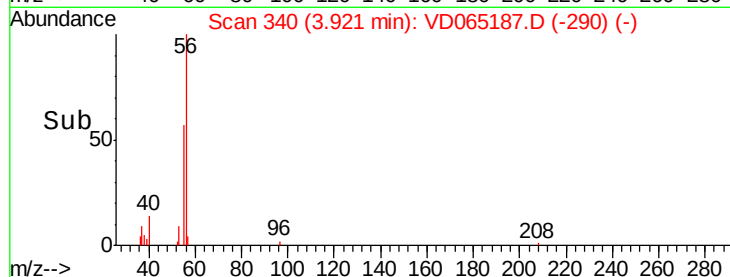
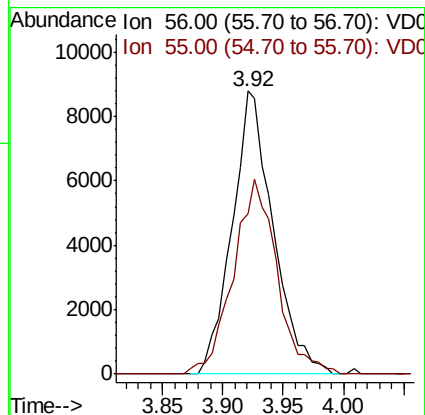
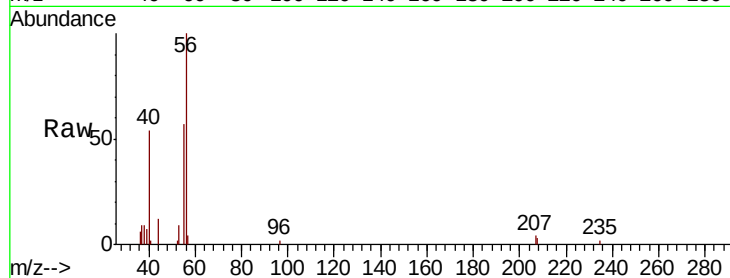
ClientSampleId :

Tot Ion: 56 Resp: 20767

Ion Ratio Lower Upper

56 100

55 73.4 58.2 87.2



#14

Allyl chloride

Concen: 21.858 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

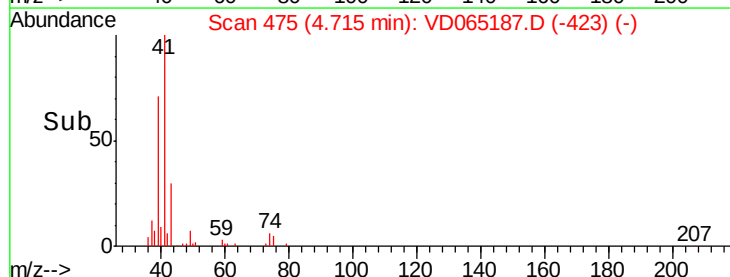
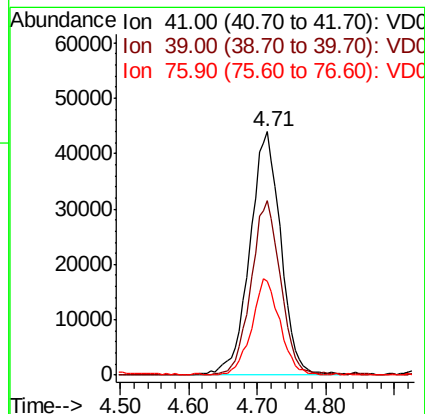
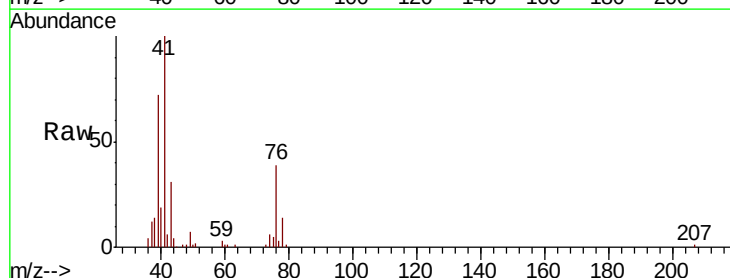
Tgt Ion: 41 Resp: 138249

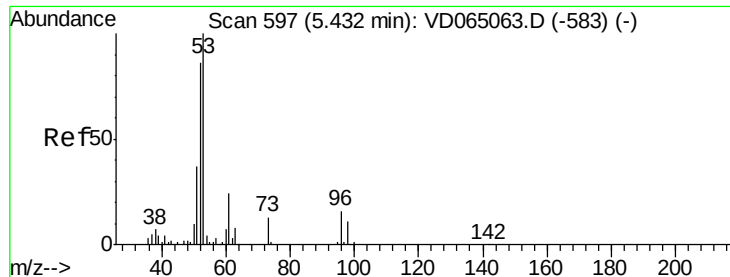
Ion Ratio Lower Upper

41 100

39 68.0 57.1 85.7

76 36.1 28.0 42.0





#15

Acrylonitrile

Concen: 107.525 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

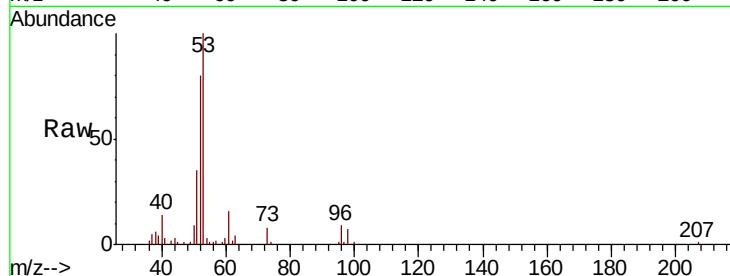
Tot Ion: 53 Resp: 87717

Ion Ratio Lower Upper

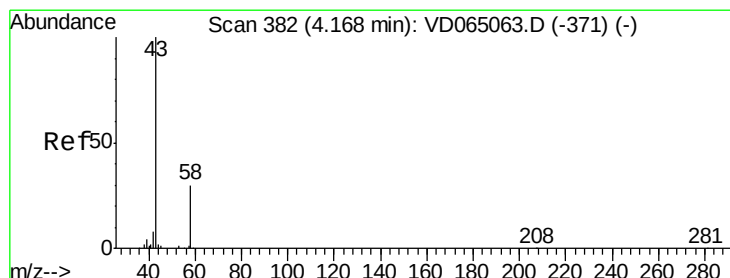
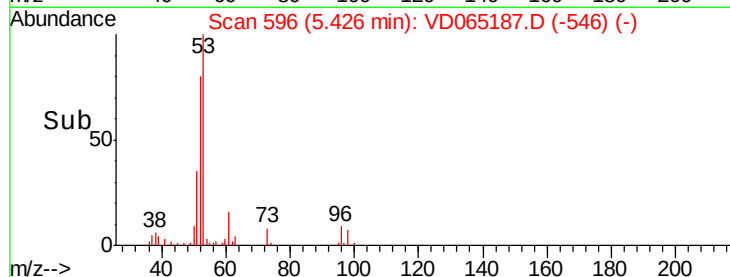
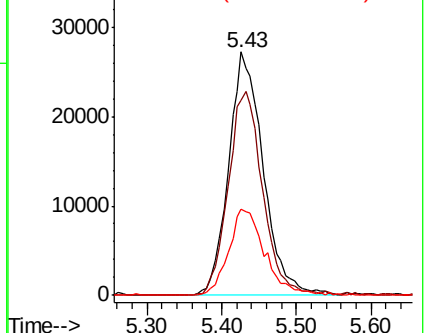
53 100

52 83.2 66.2 99.2

51 37.1 30.4 45.6



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: 95.491 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065187.D

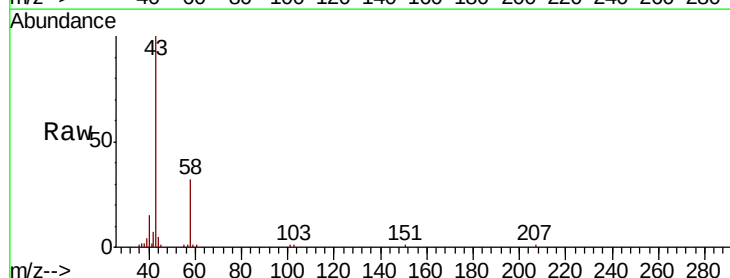
Acq: 14 Feb 2020 14:53

Tgt Ion: 43 Resp: 87480

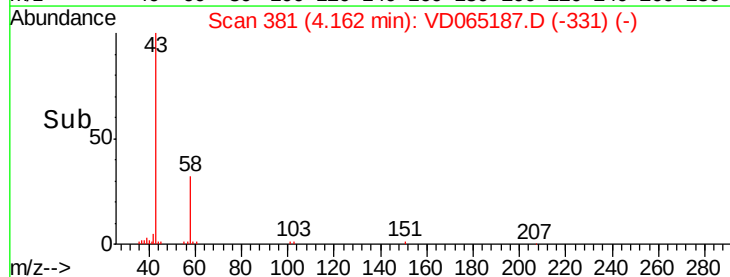
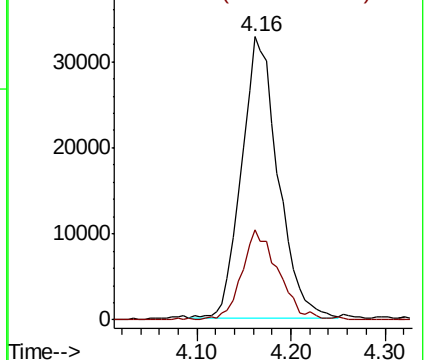
Ion Ratio Lower Upper

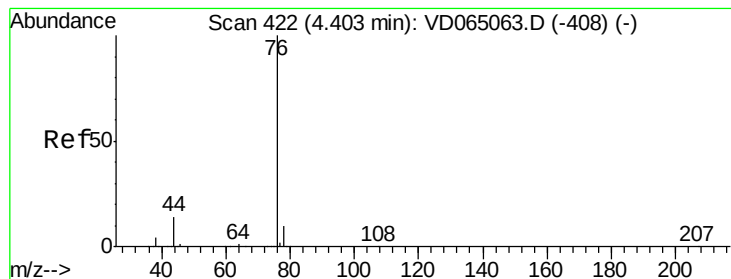
43 100

58 31.5 23.5 35.3



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





#17

Carbon Disulfide

Concen: 22.415 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

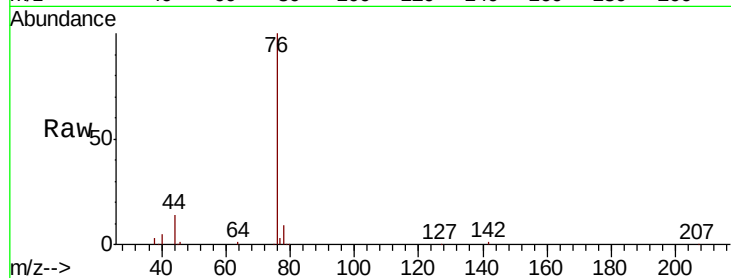
ClientSampled :

Tot Ion: 76 Resp: 273890

Ion Ratio Lower Upper

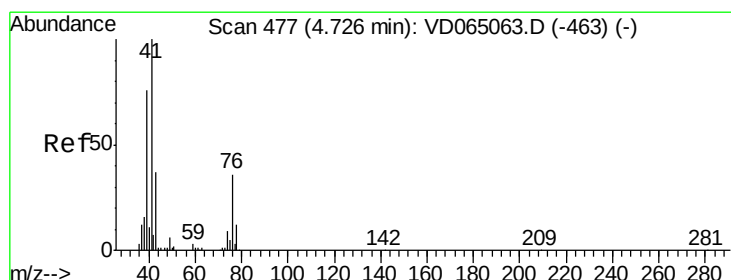
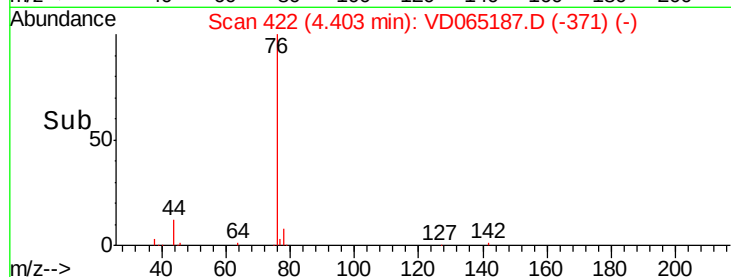
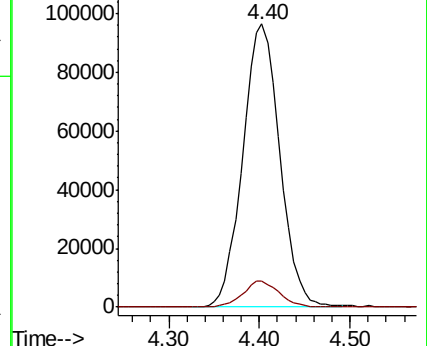
76 100

78 9.3 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 24.450 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065187.D

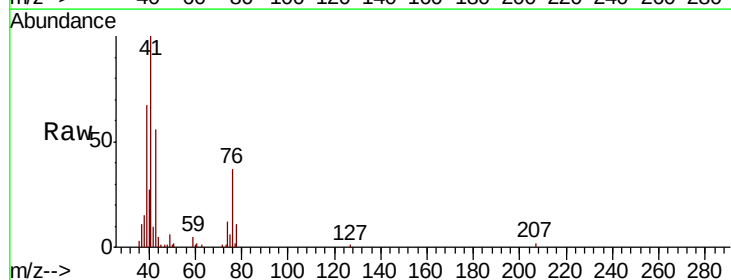
Acq: 14 Feb 2020 14:53

Tgt Ion: 43 Resp: 46797

Ion Ratio Lower Upper

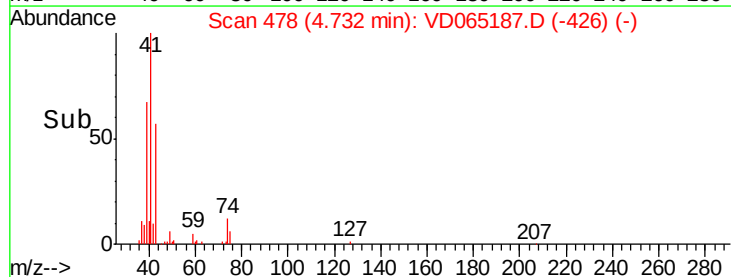
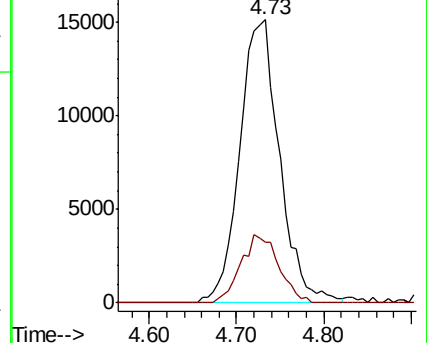
43 100

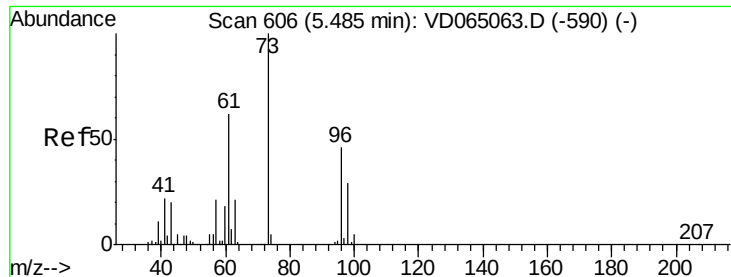
74 22.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

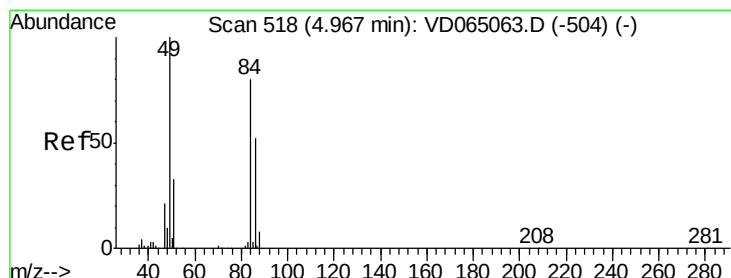
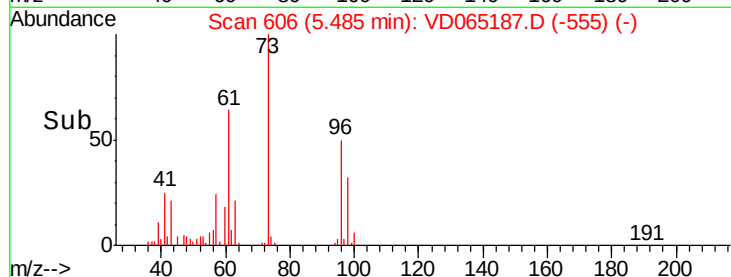
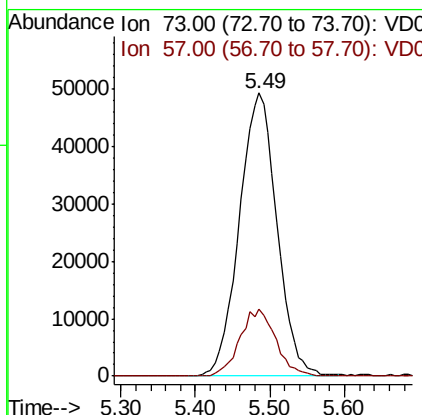
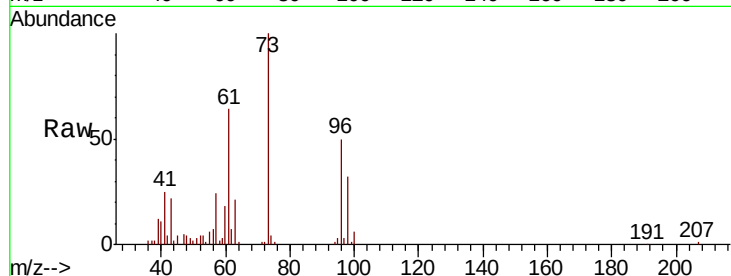




#19
Methyl tert-butyl Ether
Concen: 20.511 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

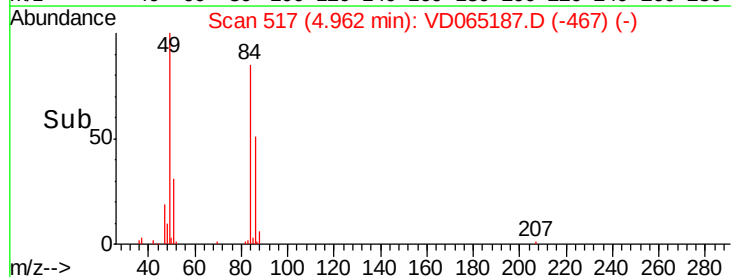
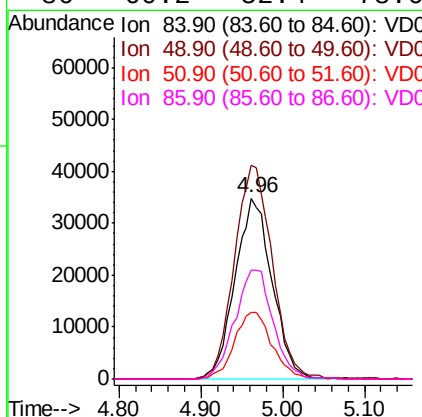
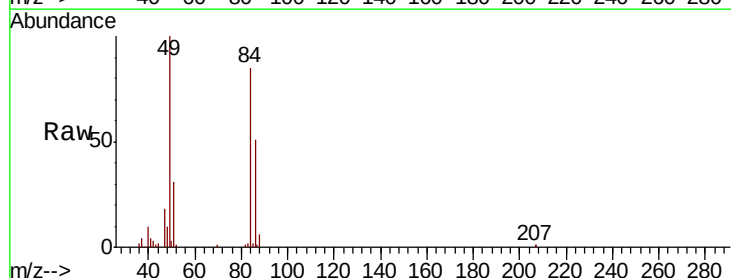
Instrument :
MSVOA_D
ClientSampleId :

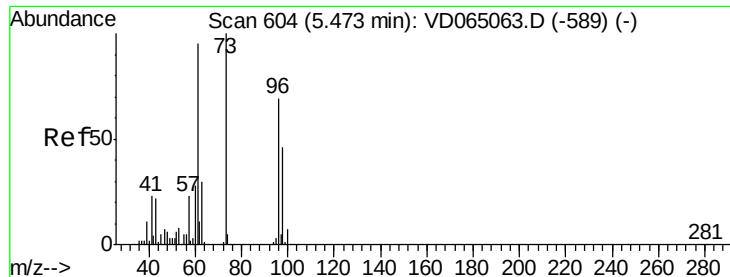
Tot Ion: 73 Resp: 172606
Ion Ratio Lower Upper
73 100
57 23.8 16.8 25.2



#20
Methylene Chloride
Concen: 25.220 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion: 84 Resp: 109610
Ion Ratio Lower Upper
84 100
49 118.2 100.4 150.6
51 37.0 32.7 49.1
86 60.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 22.360 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampled :

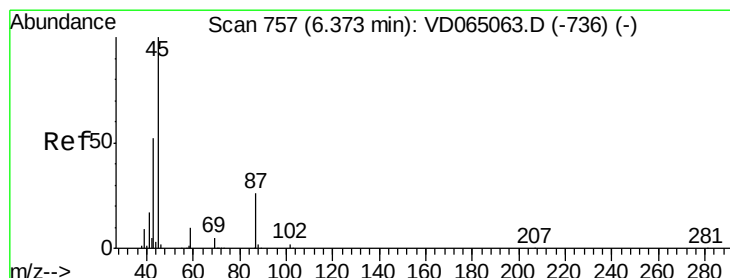
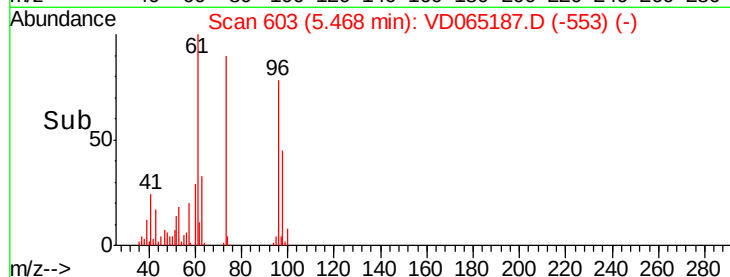
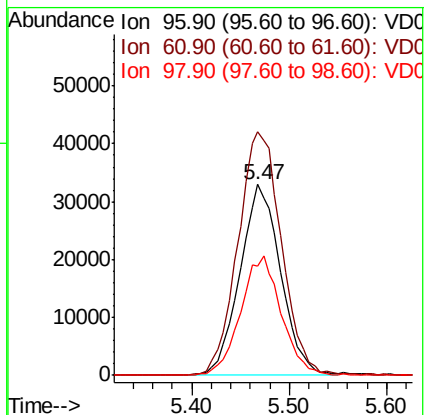
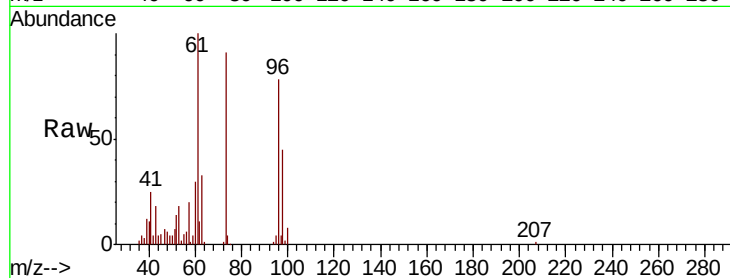
Tot Ion: 96 Resp: 96271

Ion Ratio Lower Upper

96 100

61 127.8 109.5 164.3

98 57.5 53.7 80.5



#22

Diisopropyl ether

Concen: 23.090 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Tgt Ion: 45 Resp: 275467

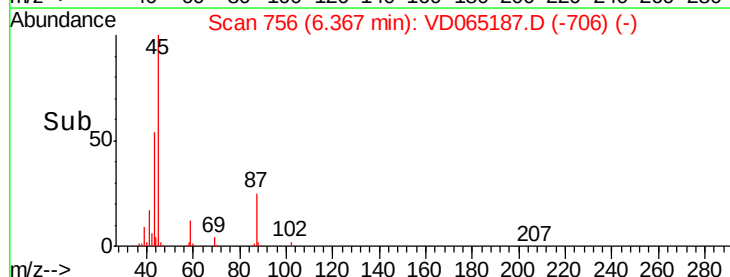
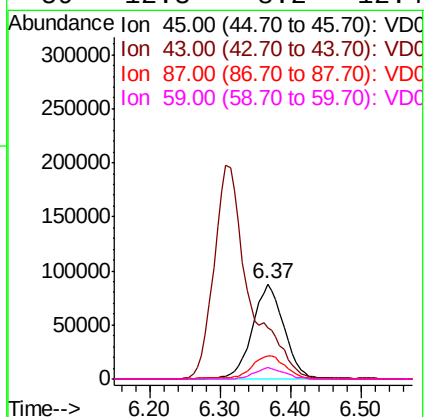
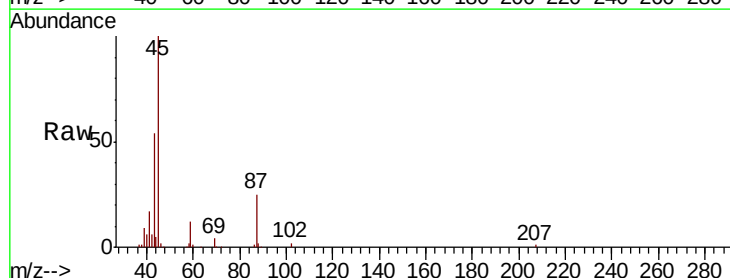
Ion Ratio Lower Upper

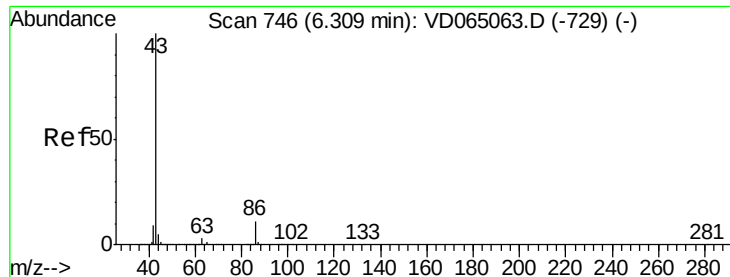
45 100

43 53.3 41.3 61.9

87 24.5 21.0 31.6

59 12.3 8.2 12.4





#23

Vinyl Acetate

Concen: 103.061 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

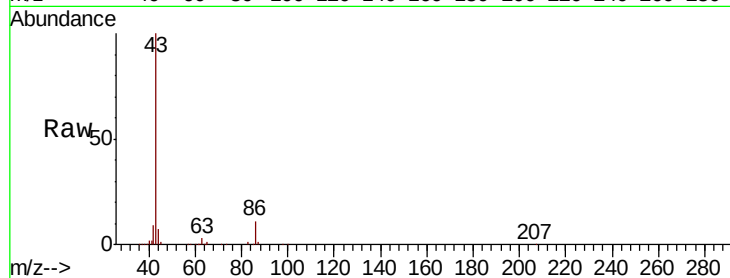
ClientSampled :

Tot Ion: 43 Resp: 685315

Ion Ratio Lower Upper

43 100

86 11.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

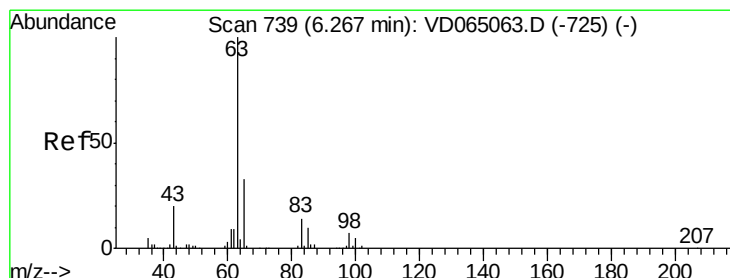
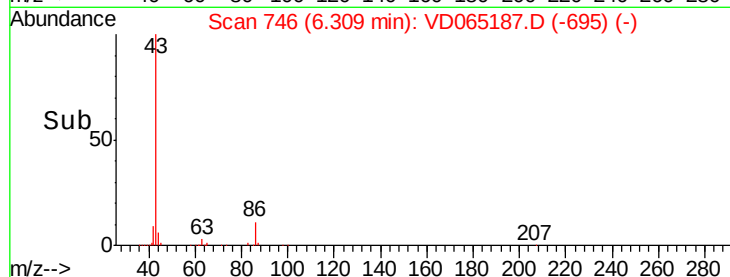
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.805 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

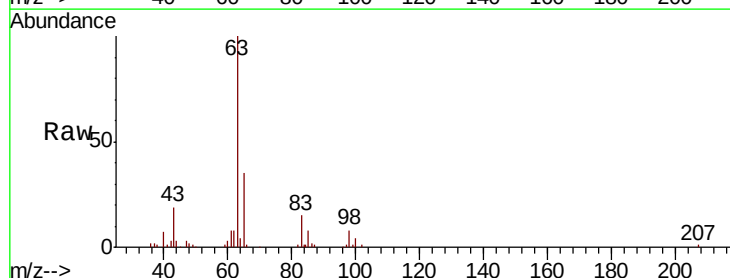
Tgt Ion: 63 Resp: 164678

Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.4

100 4.2 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

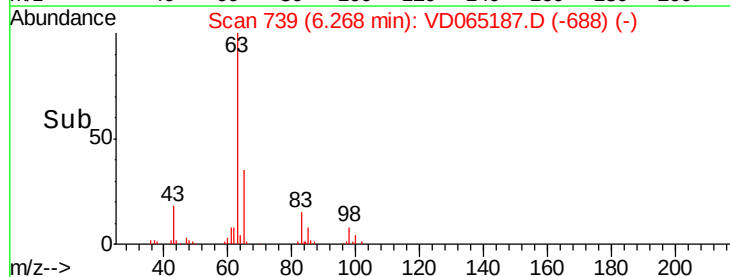
60000

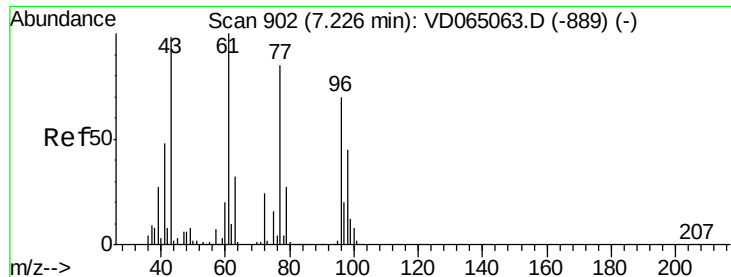
40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.396 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

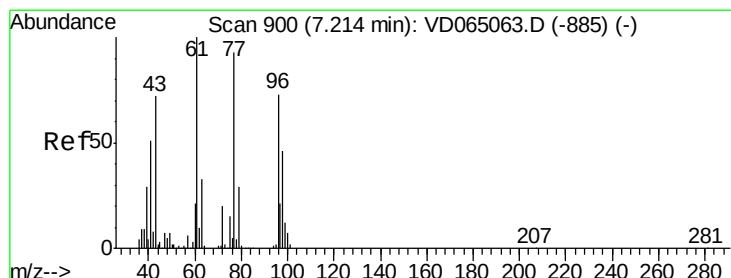
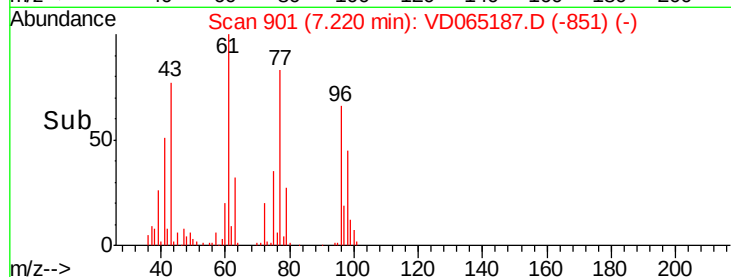
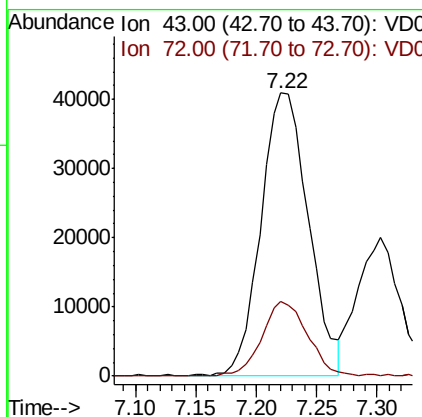
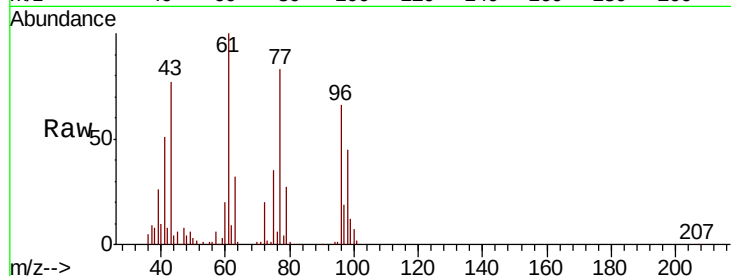
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 111896

Ion Ratio Lower Upper

43 100

72 26.4 19.9 29.9



#26

2,2-Dichloropropane

Concen: 22.623 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065187.D

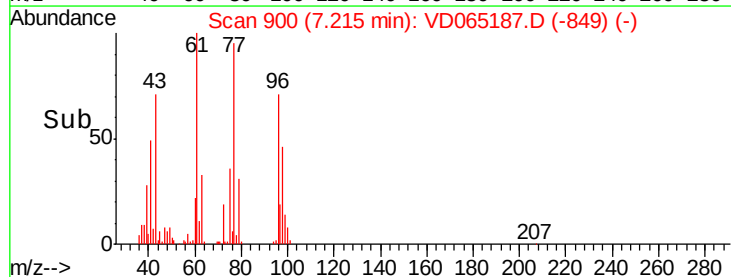
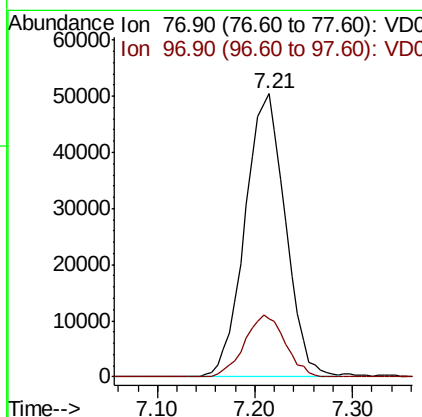
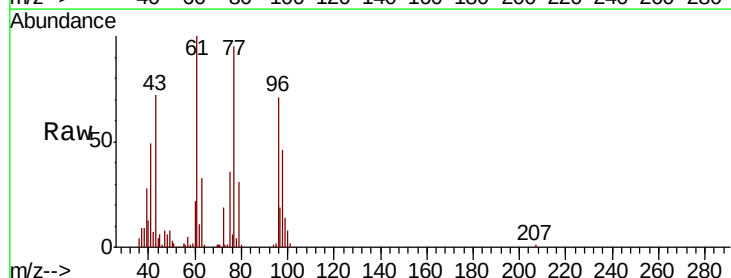
Acq: 14 Feb 2020 14:53

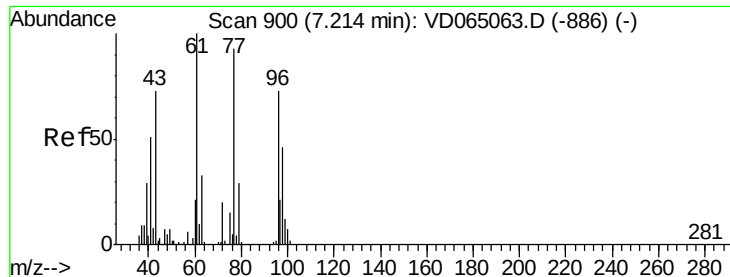
Tgt Ion: 77 Resp: 146426

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.6



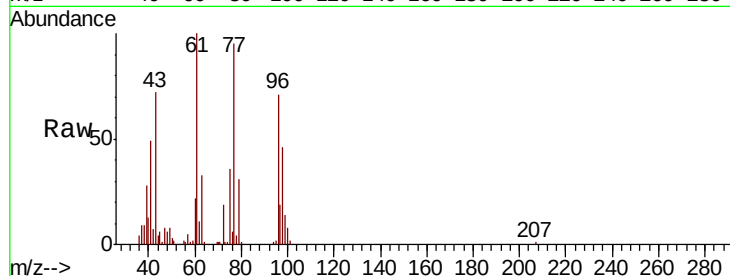


#27

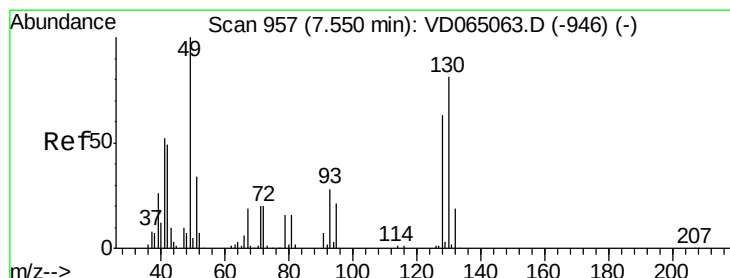
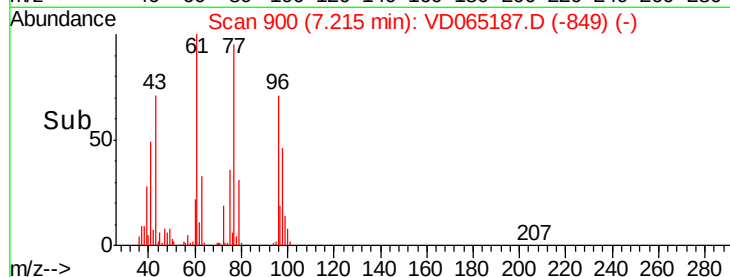
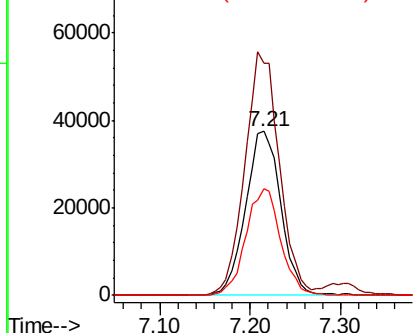
cis-1,2-Dichloroethene
Concen: 22.053 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	292.8
98	64.1	0.0	128.8



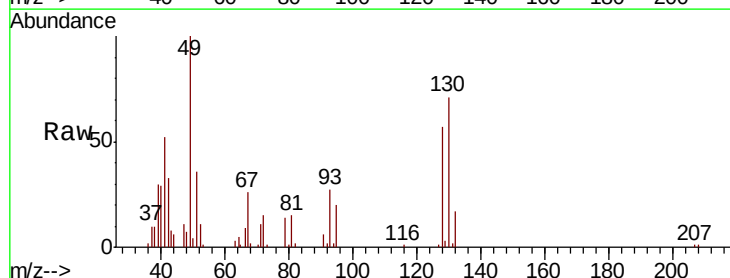
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



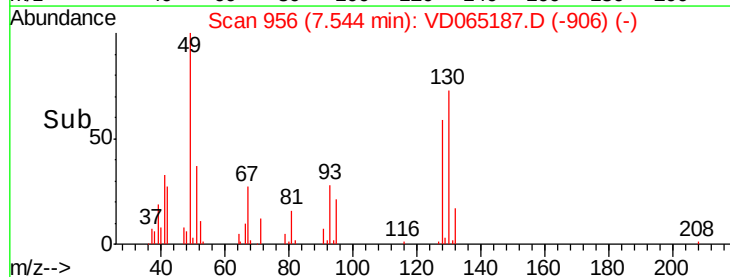
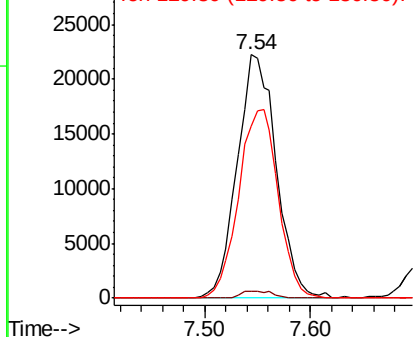
#28

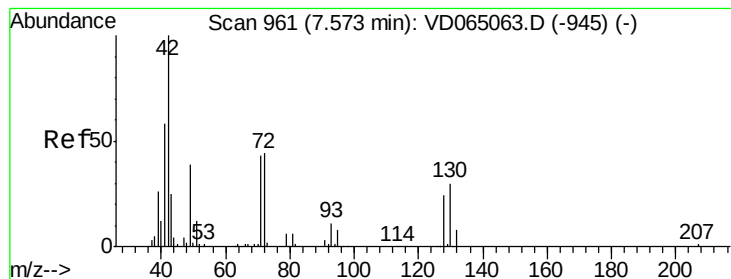
Bromochloromethane
Concen: 20.823 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	78.5	63.8	95.8



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





#29

Tetrahydrofuran

Concen: 103.401 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :
MSVOA_D
ClientSampleId :

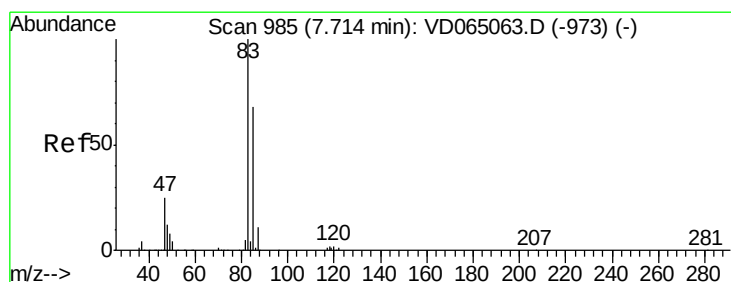
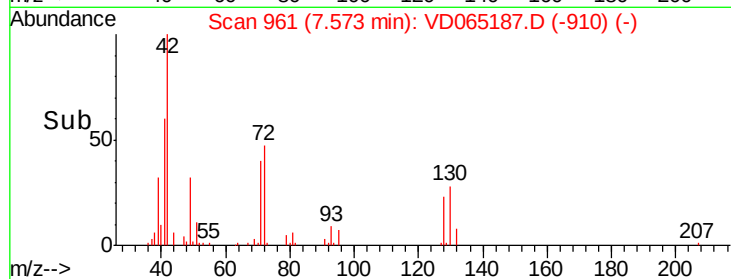
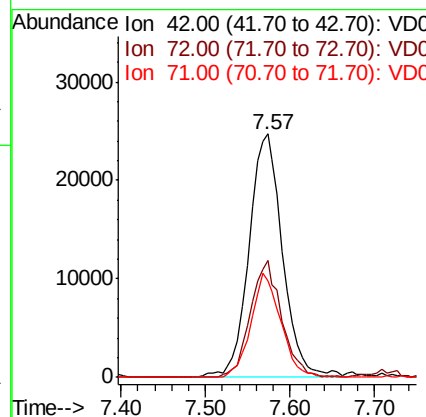
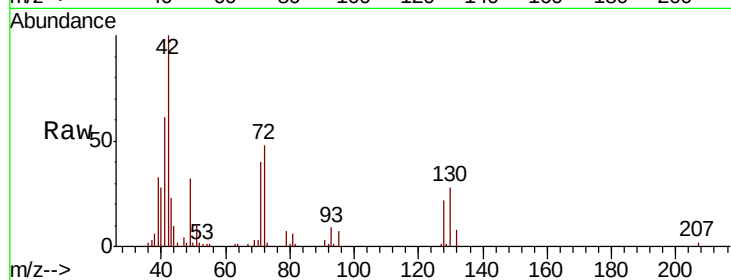
Tot Ion: 42 Resp: 68332

Ion Ratio Lower Upper

42 100

72 44.7 34.2 51.4

71 38.1 31.8 47.6



#30

Chloroform

Concen: 23.506 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065187.D

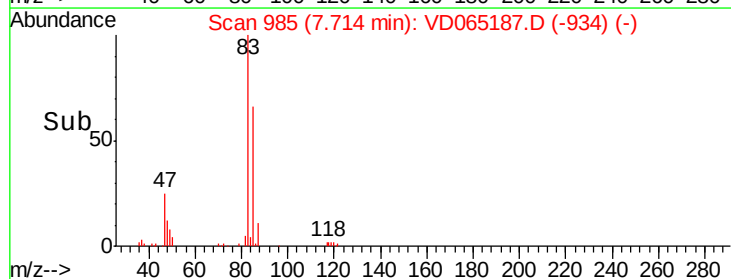
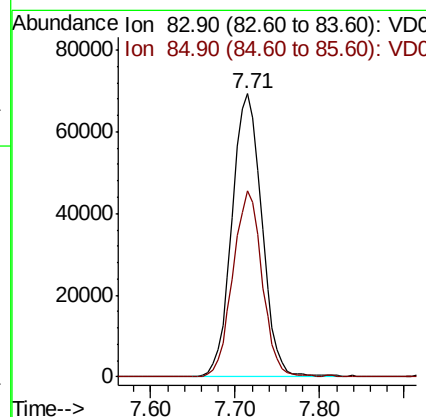
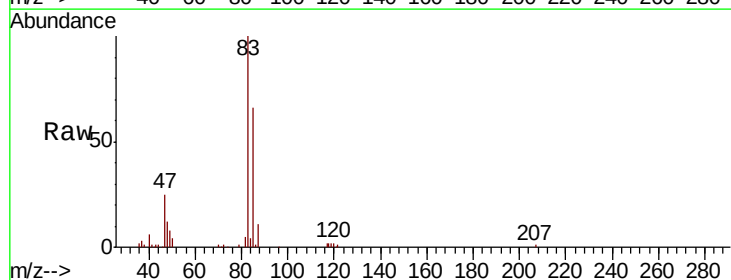
Acq: 14 Feb 2020 14:53

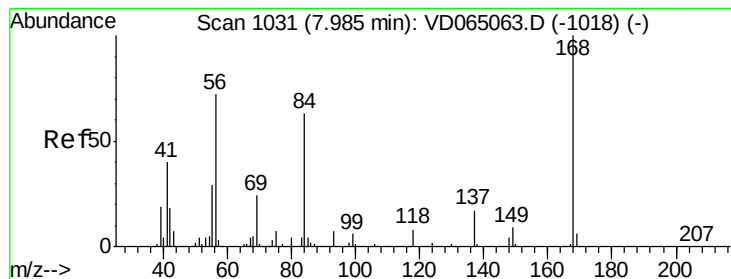
Tgt Ion: 83 Resp: 169011

Ion Ratio Lower Upper

83 100

85 65.5 54.2 81.4





#31

Cyclohexane

Concen: 21.453 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

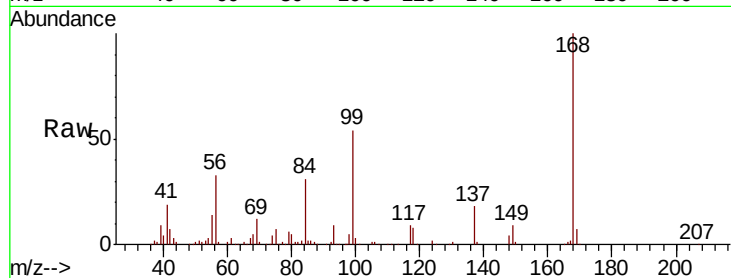
Tot Ion: 56 Resp: 156376

Ion Ratio Lower Upper

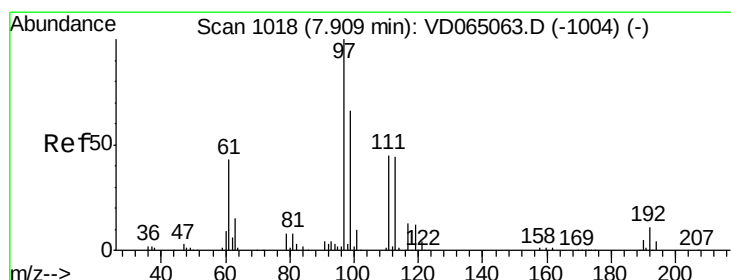
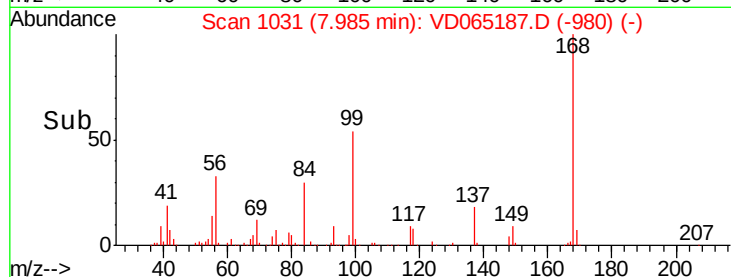
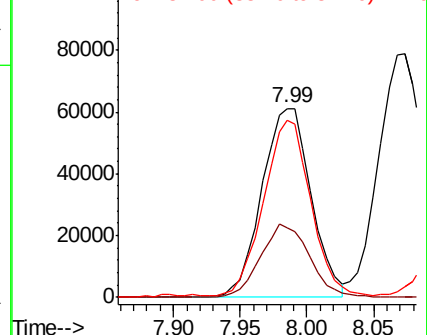
56 100

69 36.8 26.6 40.0

84 92.4 70.6 106.0



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: 22.821 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

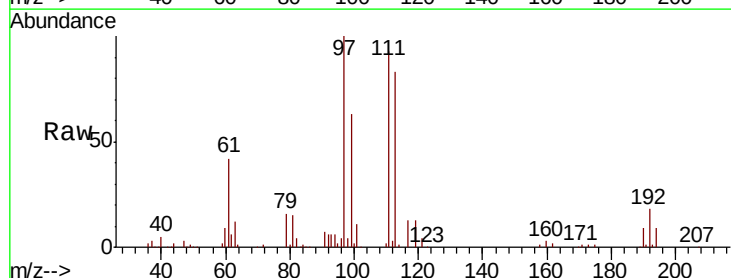
Tgt Ion: 97 Resp: 152849

Ion Ratio Lower Upper

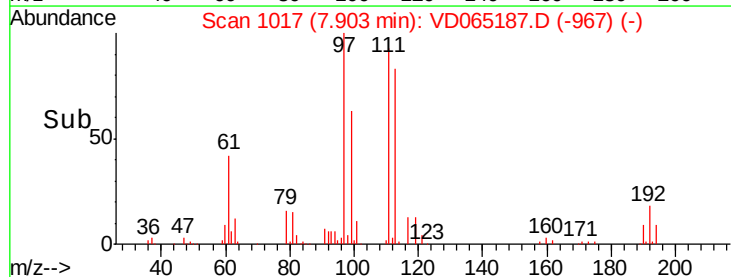
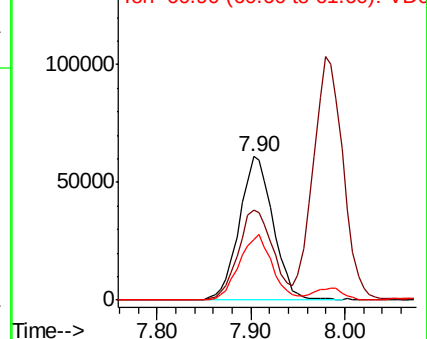
97 100

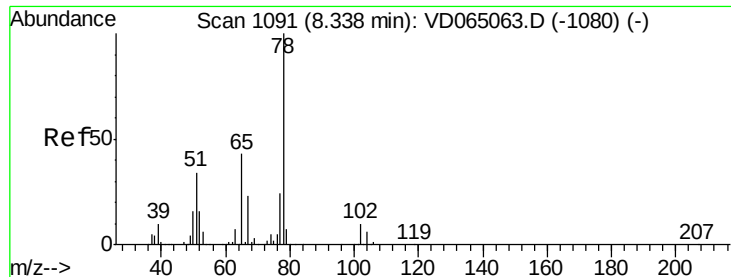
99 64.9 51.5 77.3

61 44.2 34.8 52.2



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

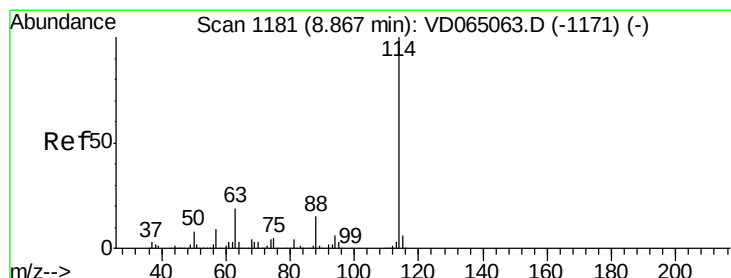
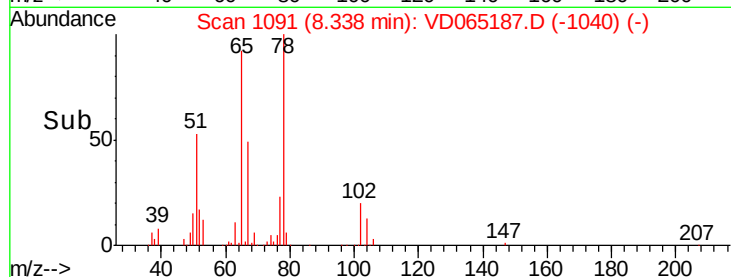
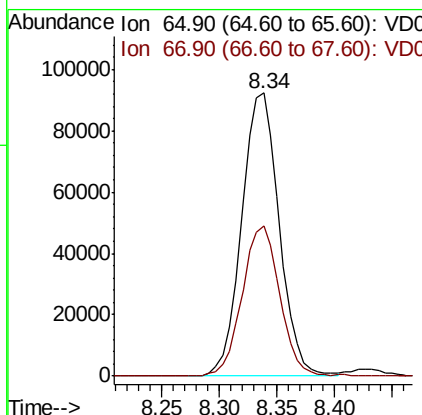
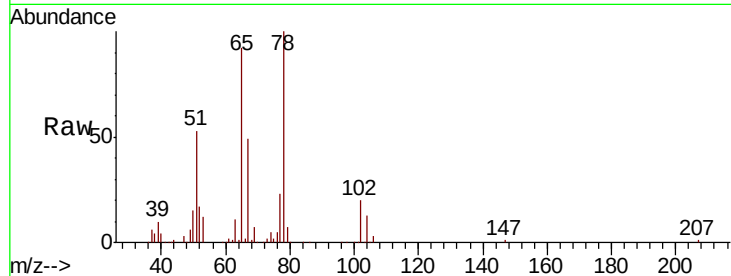




#33
 1,2-Dichloroethane-d4
 Concen: 56.968 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

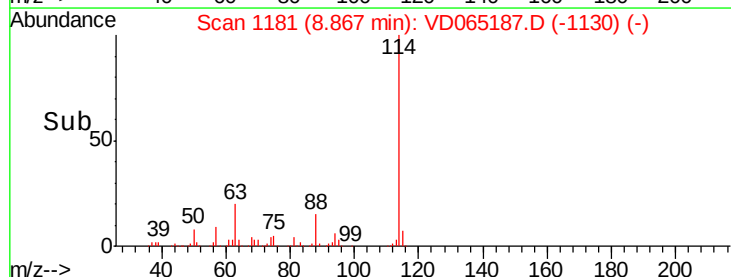
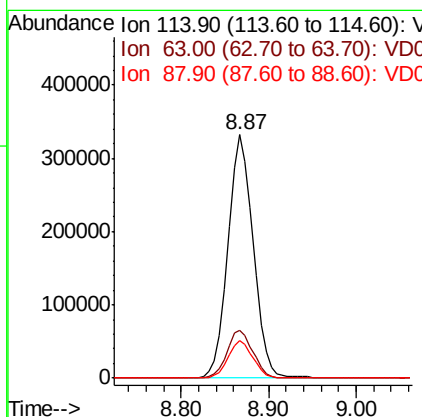
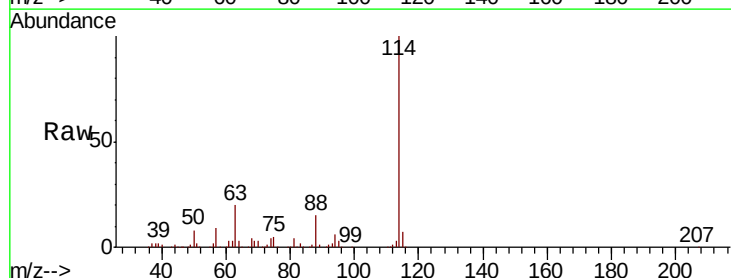
Instrument :
 MSVOA_D
 ClientSampleId :

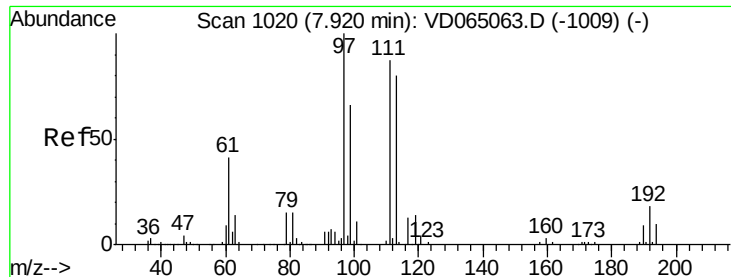
Tot Ion: 65 Resp: 208740
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Tgt Ion: 114 Resp: 654646
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 15.3 0.0 29.6

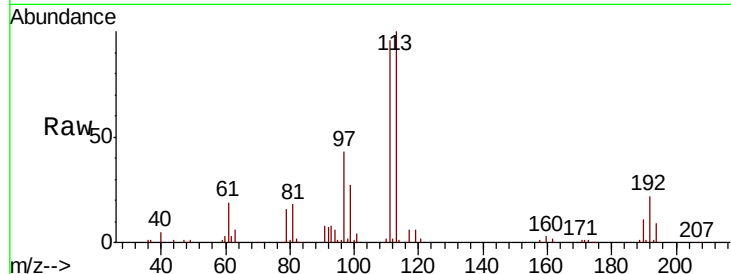




#35
 Dibromofluoromethane
 Concen: 60.088 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	21.0	18.1	27.1

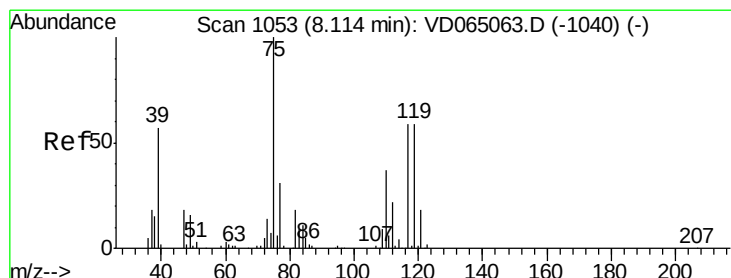
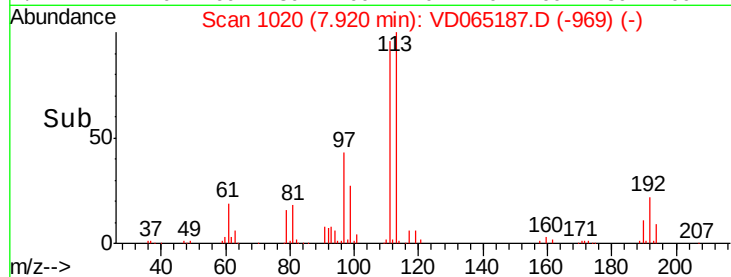
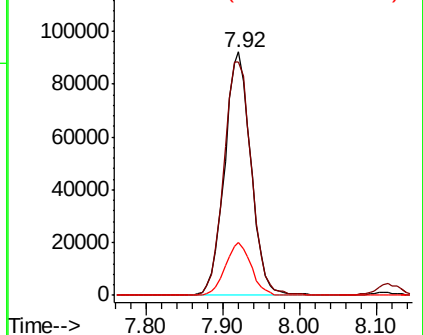


Abundance

Ion 112.80 (112.50 to 113.50): V

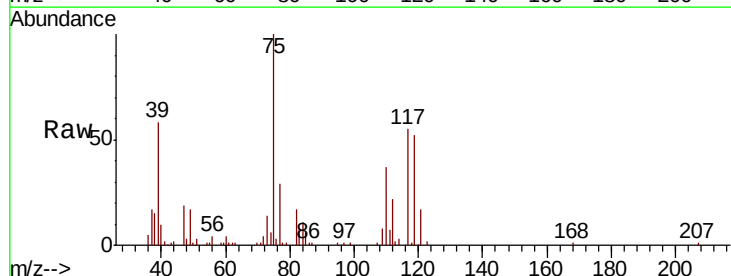
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 22.174 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.3
77	30.2	24.7	37.1

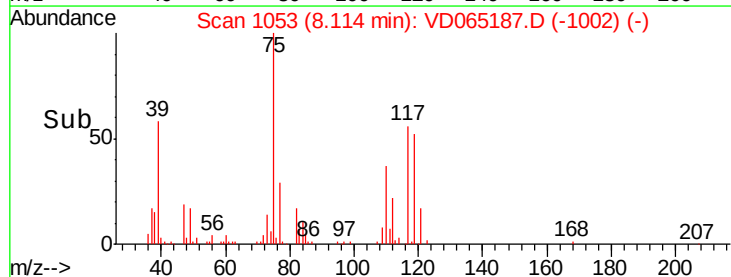
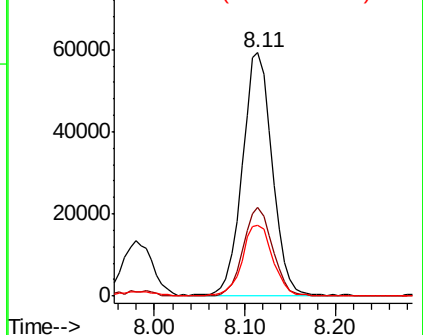


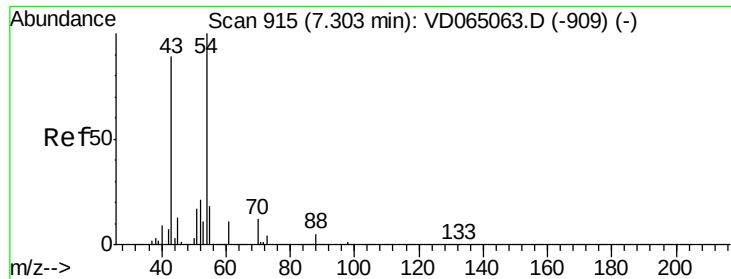
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

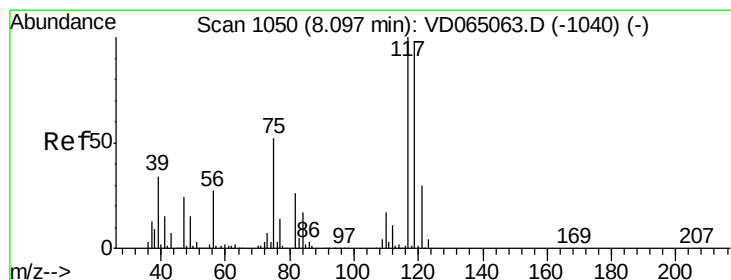
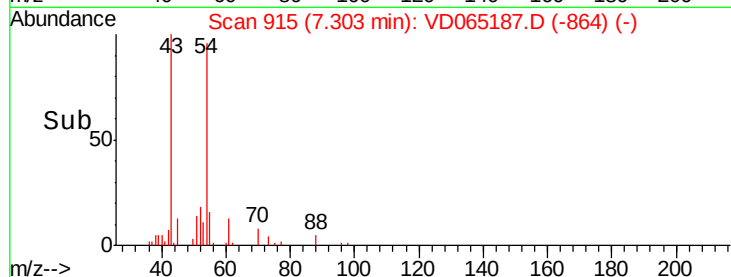
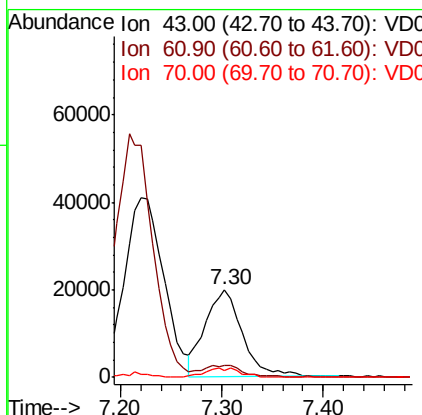
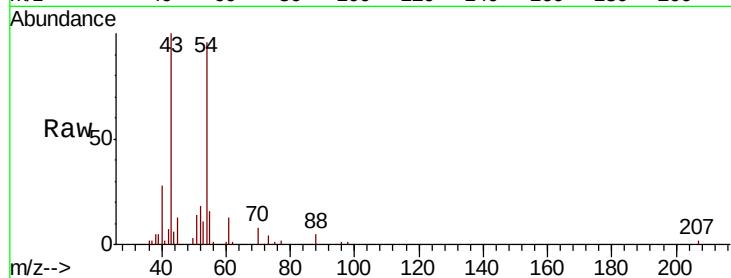




#37
Ethyl Acetate
Concen: 20.139 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

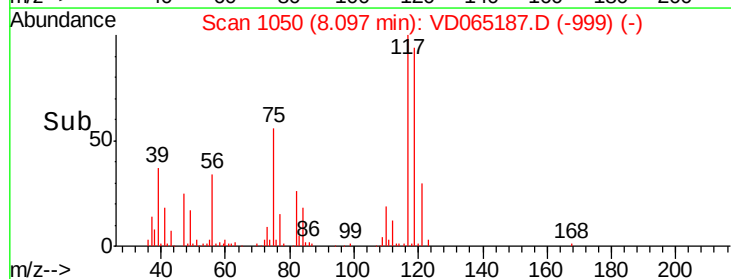
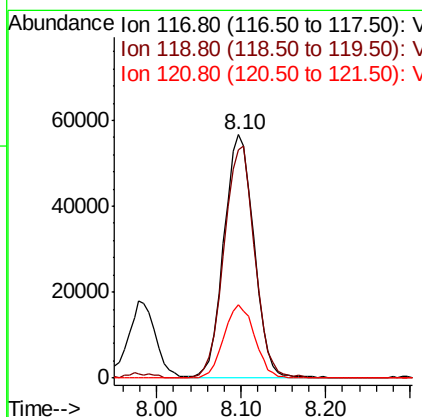
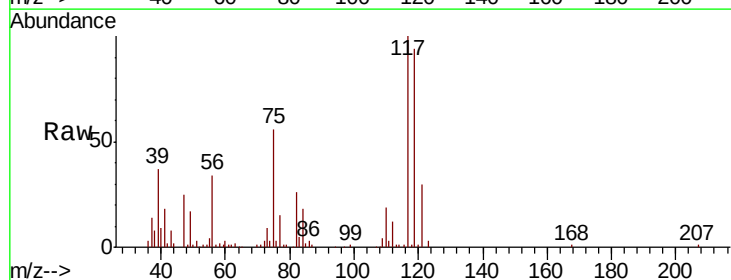
Instrument :
MSVOA_D
ClientSampleId :

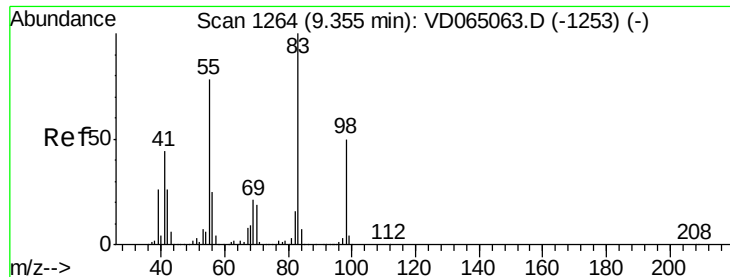
Tot Ion: 43 Resp: 50083
Ion Ratio Lower Upper
43 100
61 14.7 11.0 16.4
70 10.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: 22.499 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion: 117 Resp: 139877
Ion Ratio Lower Upper
117 100
119 93.6 78.5 117.7
121 30.3 23.8 35.6

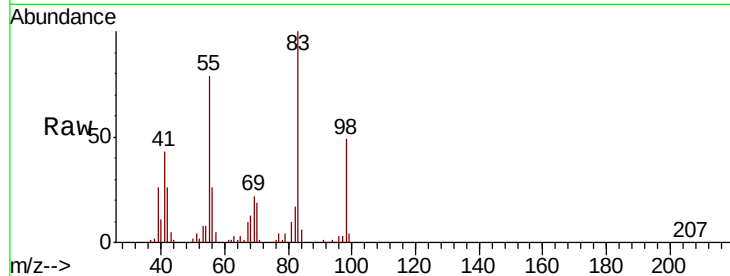




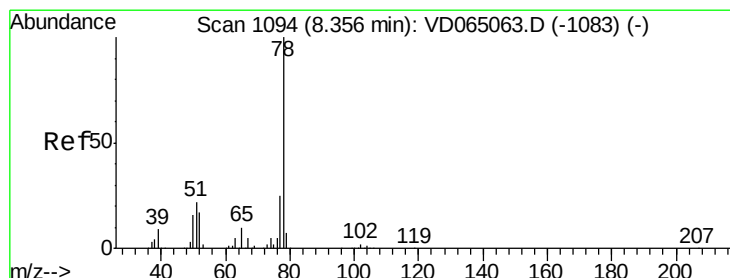
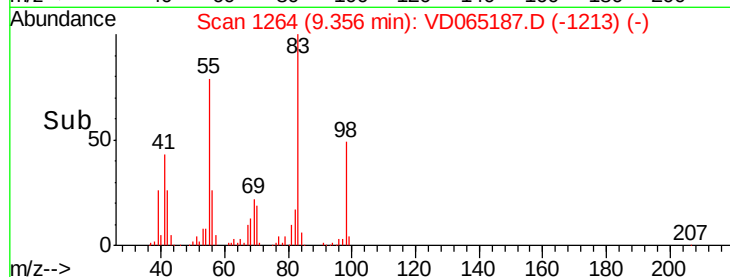
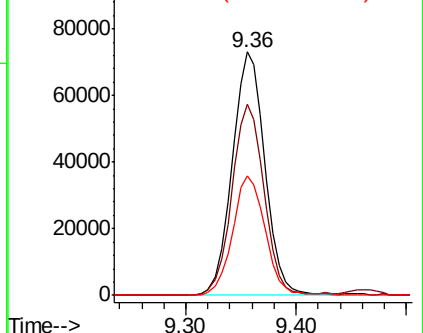
#39
Methylvlcyclohexane
Concen: 20.141 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	83	Resp	151333
Ion Ratio	Lower	Upper	
83	100		
55	78.7	62.0	93.0
98	49.1	39.9	59.9

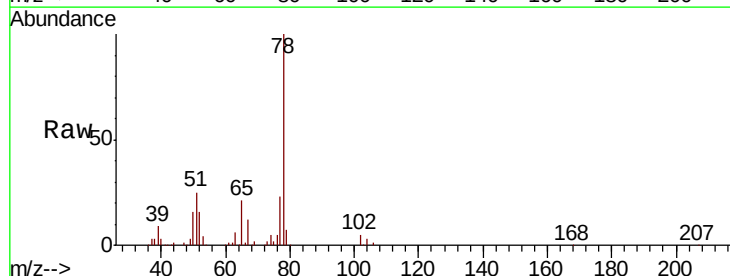


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

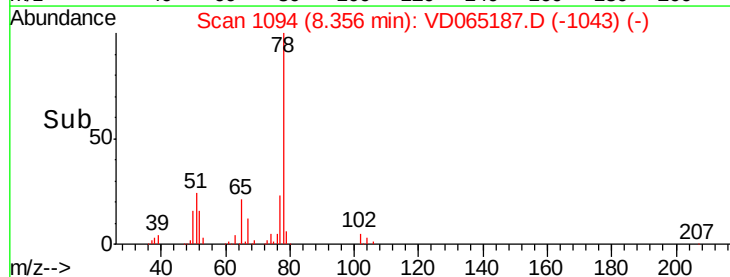
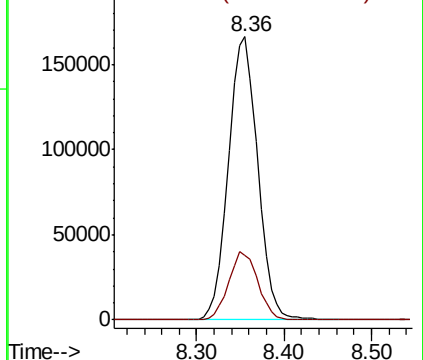


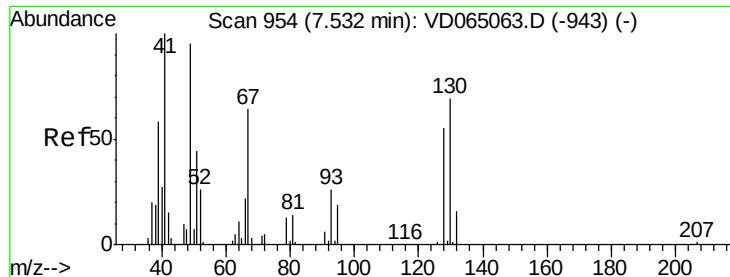
#40
Benzene
Concen: 22.541 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion	78	Resp	378905
Ion Ratio	Lower	Upper	
78	100		
77	23.0	19.6	29.4



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

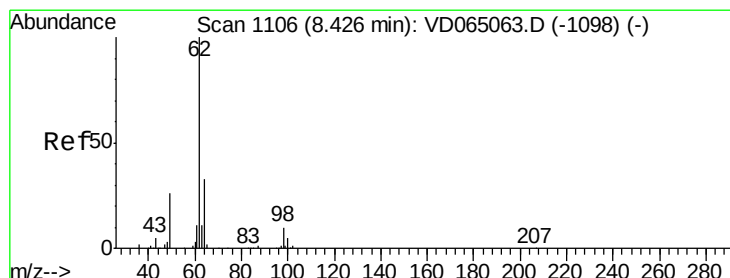
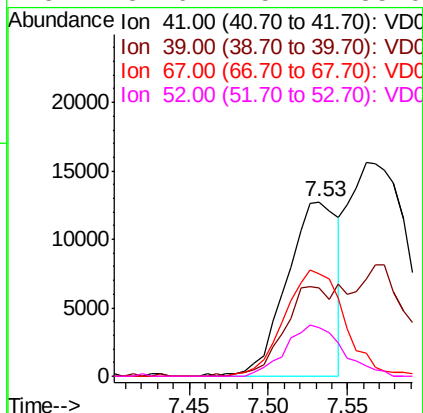
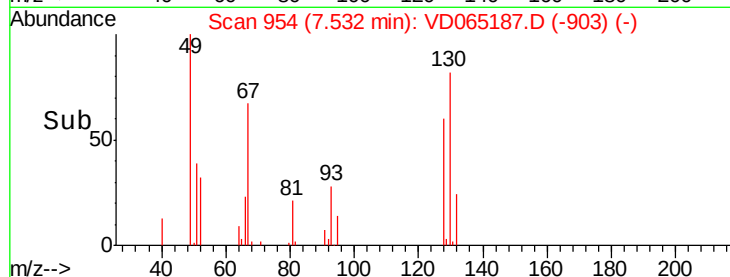
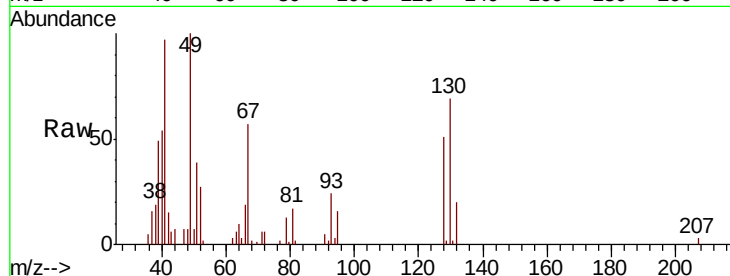




#41
Methacrylonitrile
Concen: 20.876 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

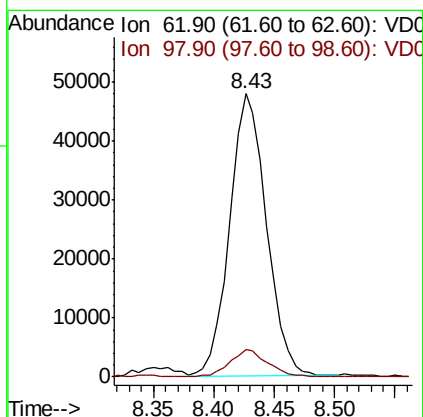
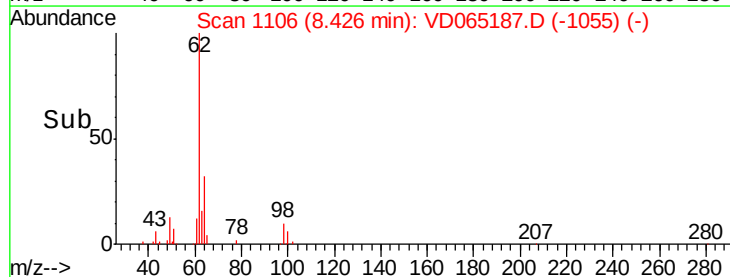
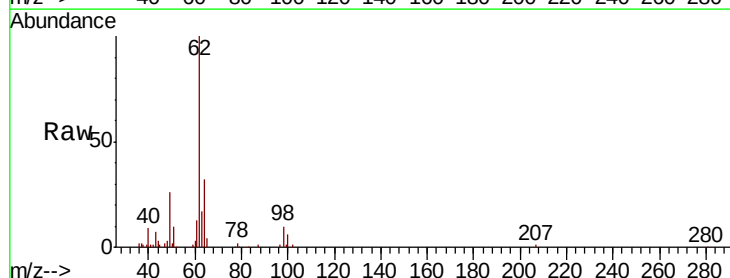
Instrument :
MSVOA_D
ClientSampleId :

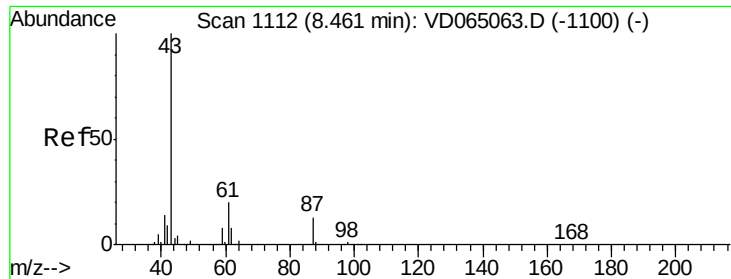
Tot Ion: 41 Resp: 28601
Ion Ratio Lower Upper
41 100
39 45.2 55.4 83.0#
67 71.0 59.0 88.6
52 32.6 25.4 38.0



#42
1,2-Dichloroethane
Concen: 21.223 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion: 62 Resp: 101654
Ion Ratio Lower Upper
62 100
98 9.8 0.0 18.6

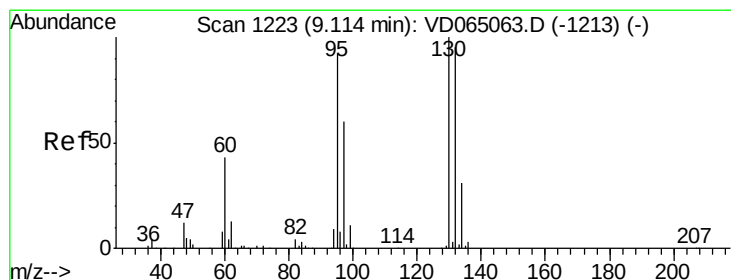
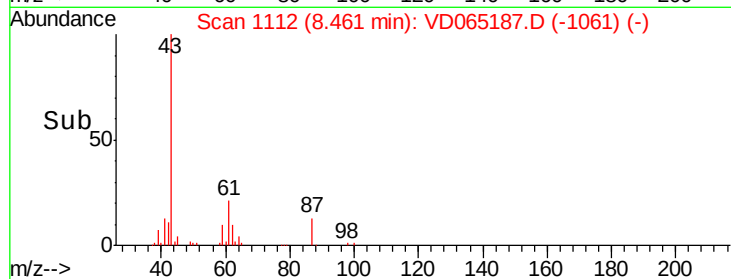
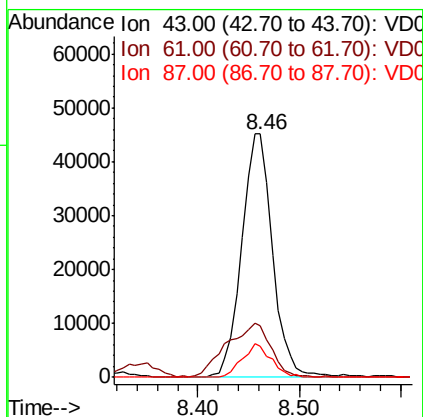
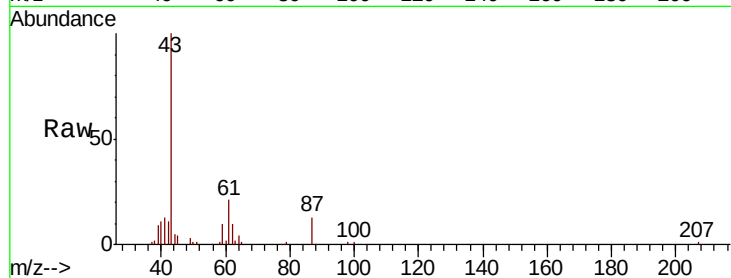




#43
Isopropyl Acetate
Concen: 20.021 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

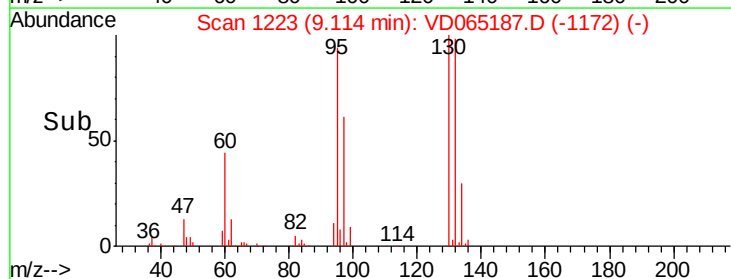
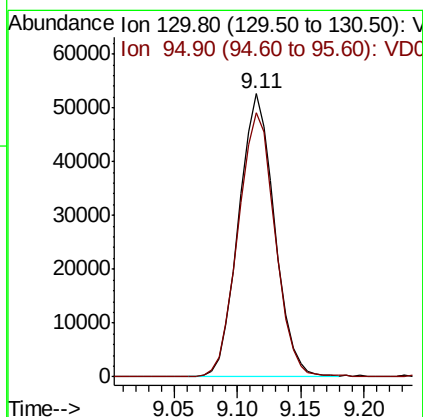
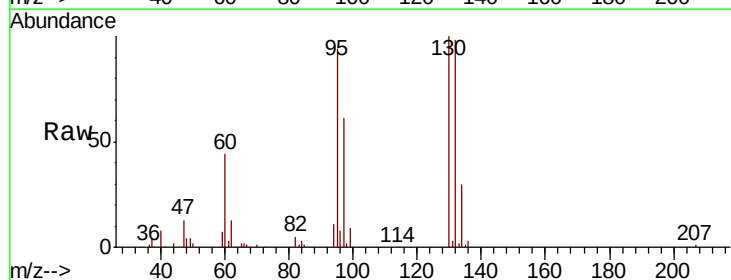
Instrument :
MSVOA_D
ClientSampleId :

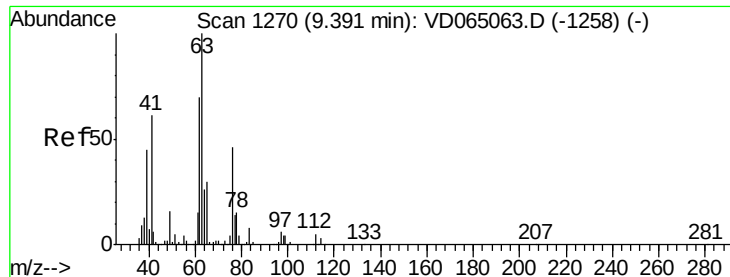
Tot Ion: 43 Resp: 95241
Ion Ratio Lower Upper
43 100
61 31.9 24.0 36.0
87 12.9 10.2 15.4



#44
Trichloroethene
Concen: 21.421 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion:130 Resp: 103356
Ion Ratio Lower Upper
130 100
95 93.6 0.0 185.0

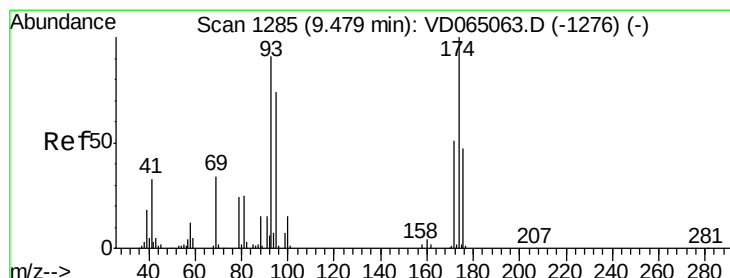
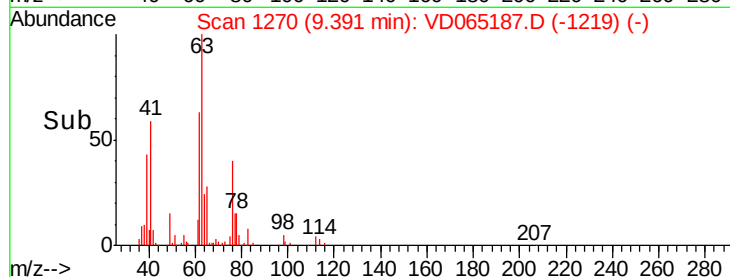
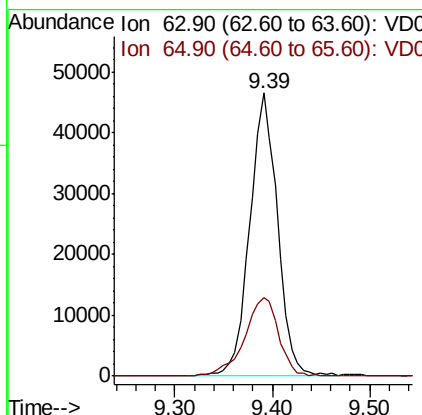
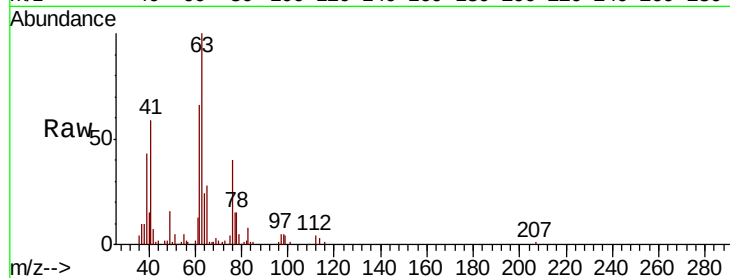




#45
 1,2-Dichloropropane
 Concen: 22.936 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

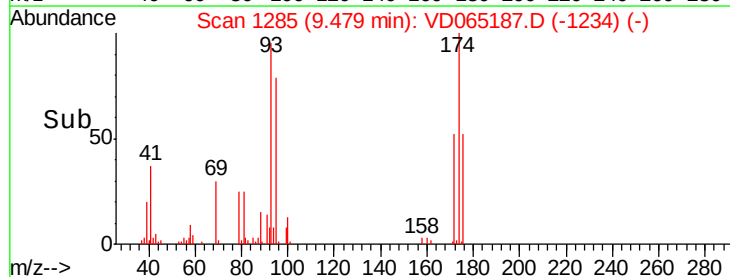
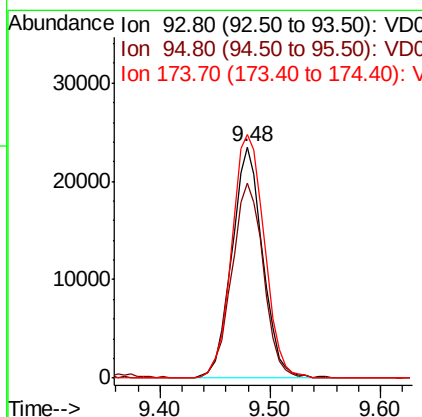
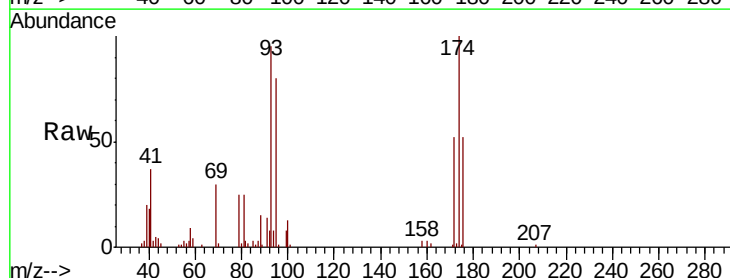
Instrument :
 MSVOA_D
 ClientSampleId :

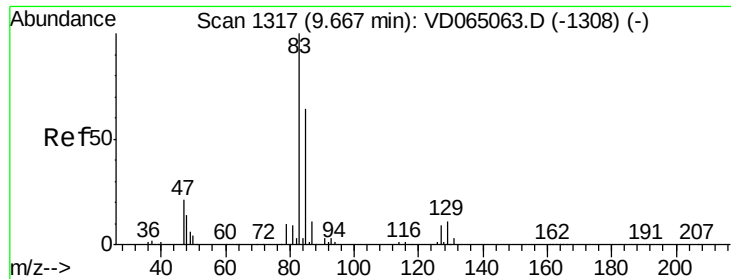
Tot Ion: 63 Resp: 92440
 Ion Ratio Lower Upper
 63 100
 65 28.0 23.9 35.9



#46
 Dibromomethane
 Concen: 21.765 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Tgt Ion: 93 Resp: 46094
 Ion Ratio Lower Upper
 93 100
 95 86.7 66.5 99.7
 174 111.7 89.8 134.8





#47

Bromodichloromethane

Concen: 22.515 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

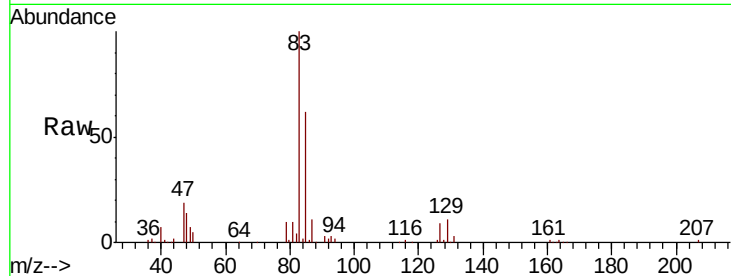
Tot Ion: 83 Resp: 125639

Ion Ratio Lower Upper

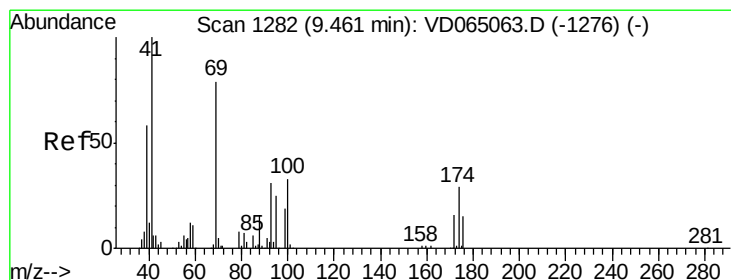
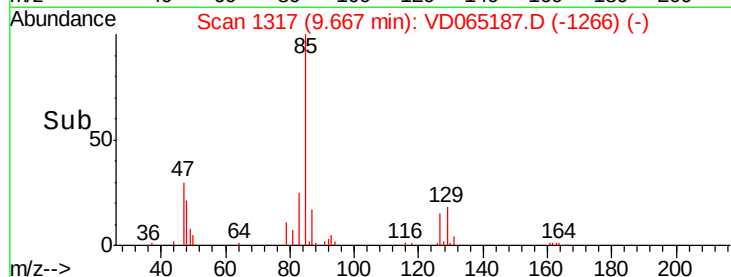
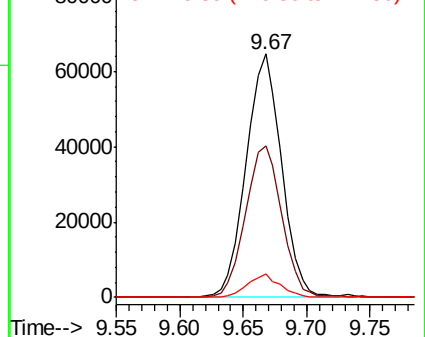
83 100

85 62.3 51.0 76.6

127 9.5 7.3 10.9



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: 19.596 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

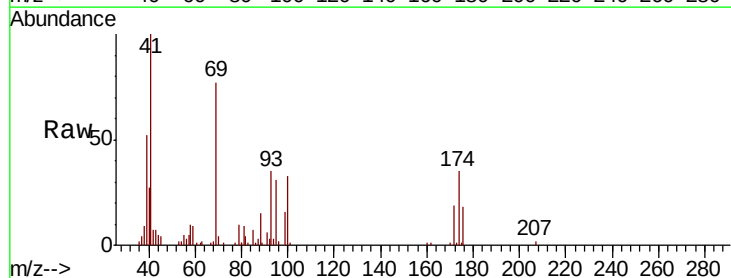
Tgt Ion: 41 Resp: 44857

Ion Ratio Lower Upper

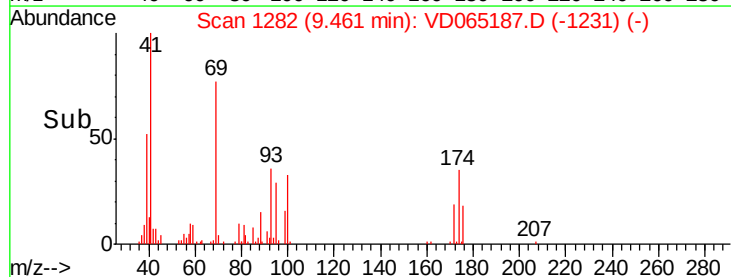
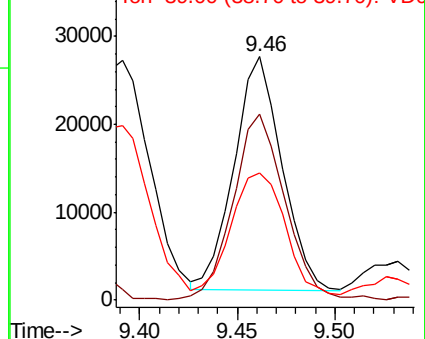
41 100

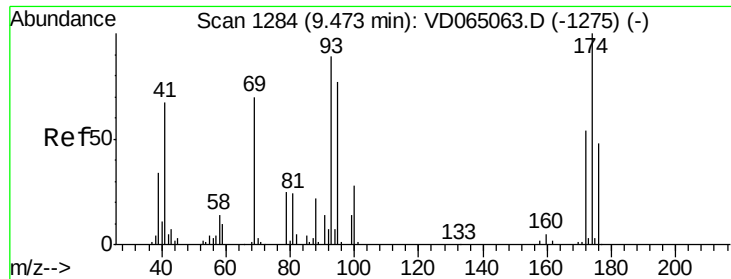
69 87.3 67.5 101.3

39 58.9 47.0 70.4



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

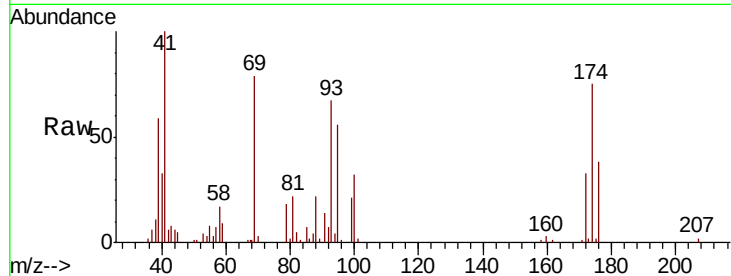




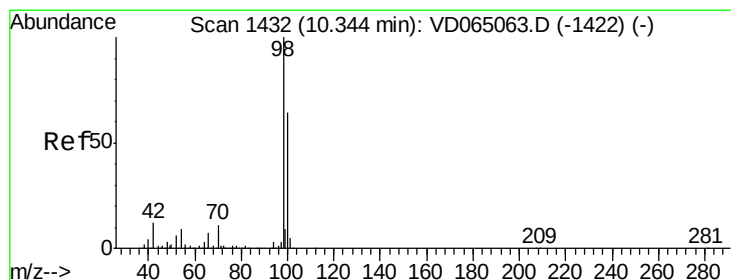
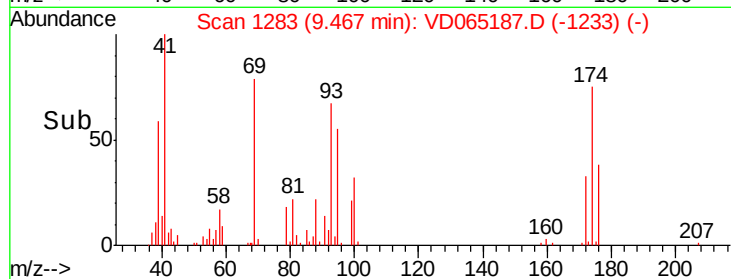
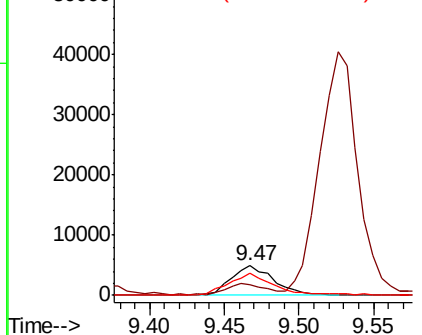
#49
1,4-Dioxane
Concen: 392.957 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 9857
Ion Ratio Lower Upper
88 100
43 35.9 27.7 41.5
58 76.9 55.5 83.3

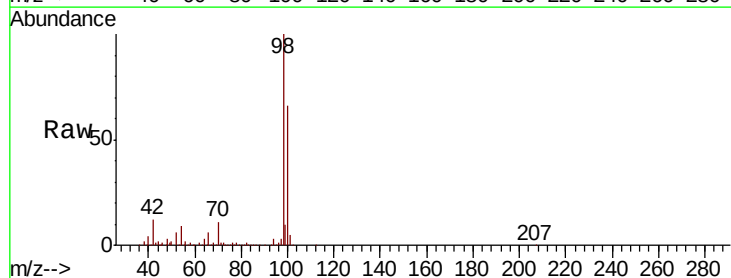


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

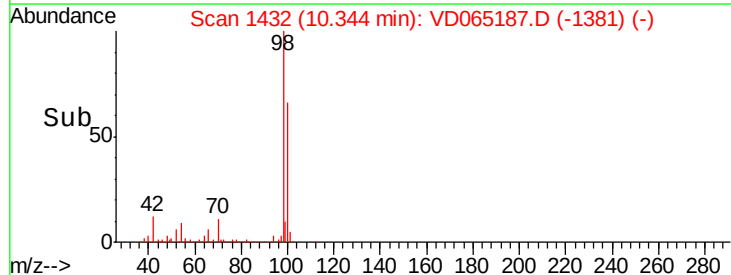
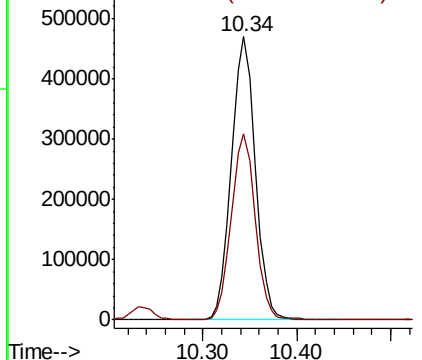


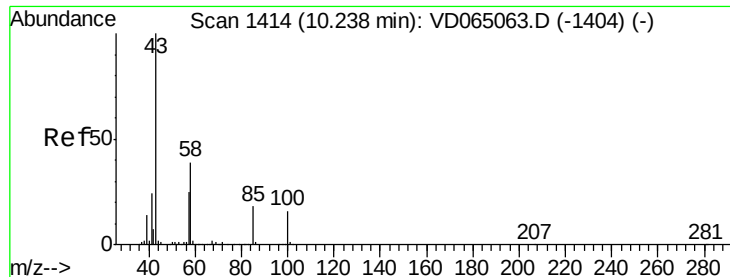
#50
Toluene-d8
Concen: 57.415 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion: 98 Resp: 834710
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 102.350 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

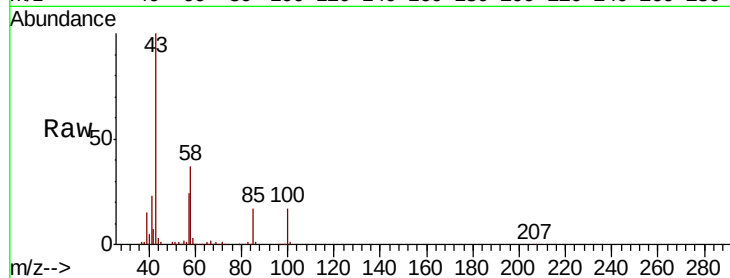
ClientSampled :

Tot Ion: 43 Resp: 239659

Ion Ratio Lower Upper

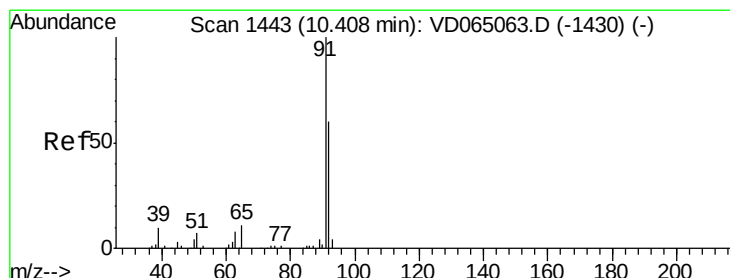
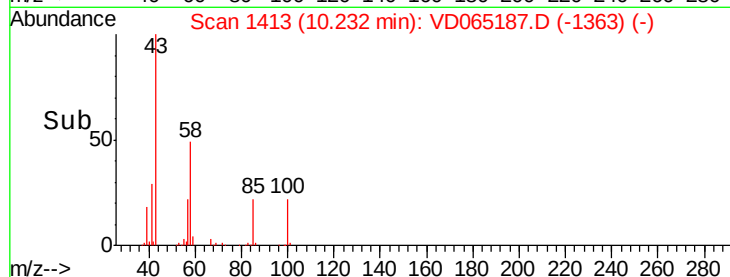
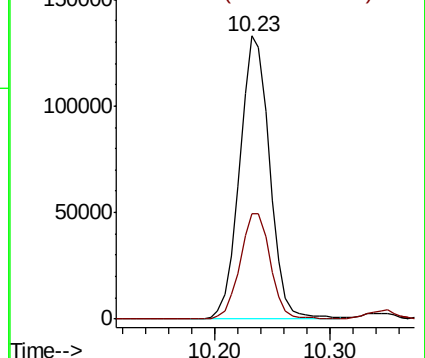
43 100

58 37.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.319 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065187.D

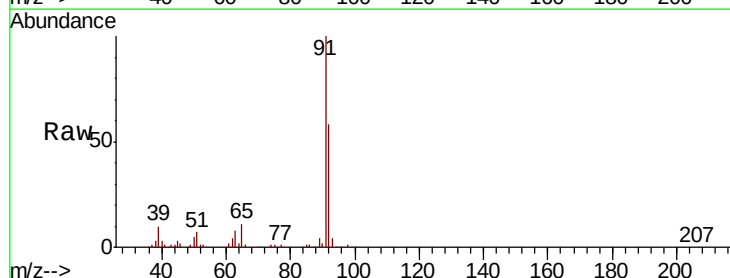
Acq: 14 Feb 2020 14:53

Tgt Ion: 92 Resp: 239454

Ion Ratio Lower Upper

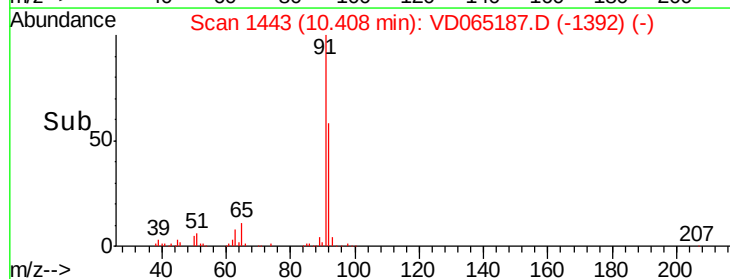
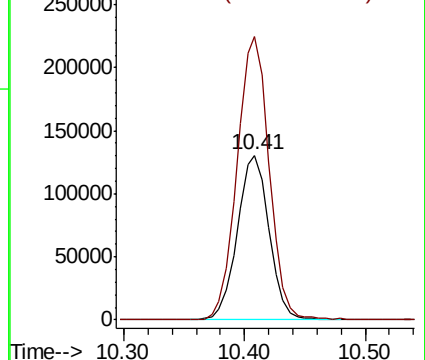
92 100

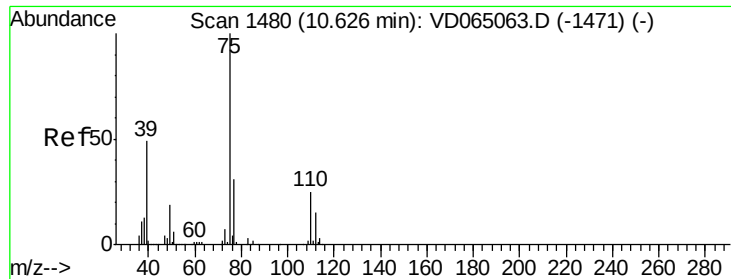
91 173.6 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.325 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

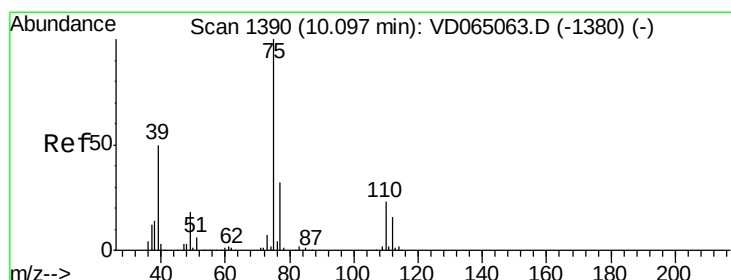
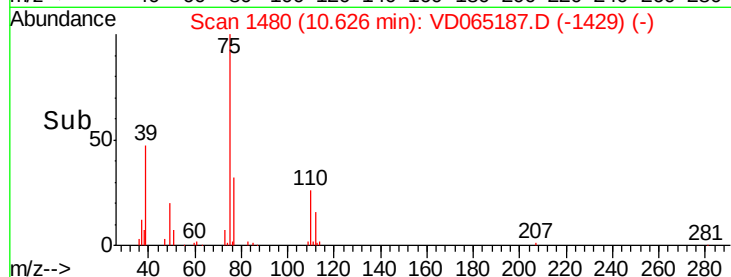
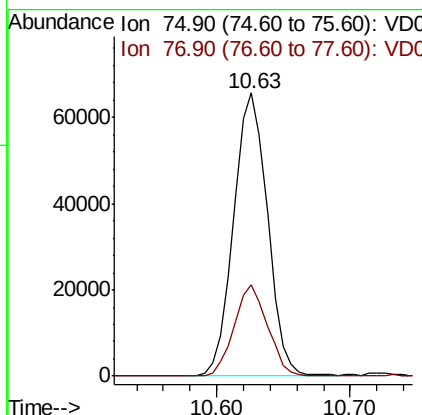
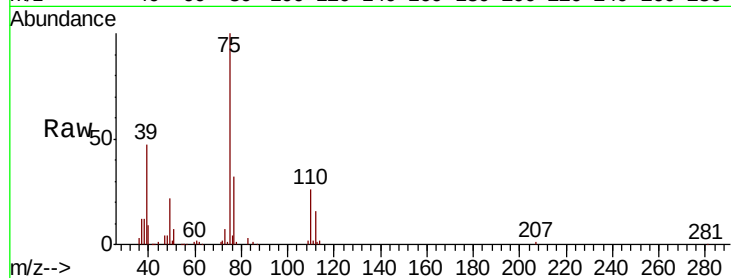
ClientSampleId :

Tot Ion: 75 Resp: 115860

Ion Ratio Lower Upper

75 100

77 32.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 21.801 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

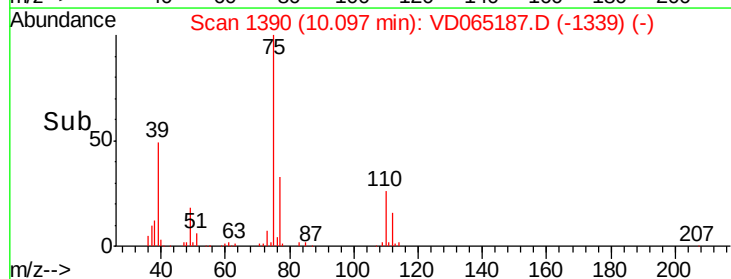
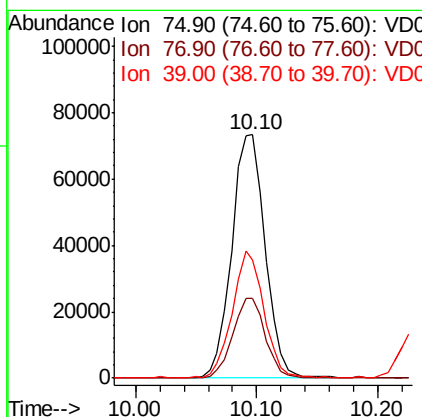
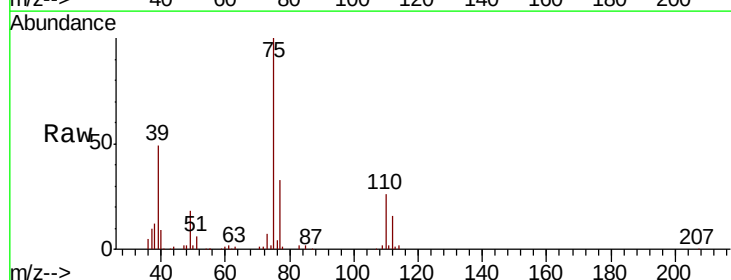
Tgt Ion: 75 Resp: 141661

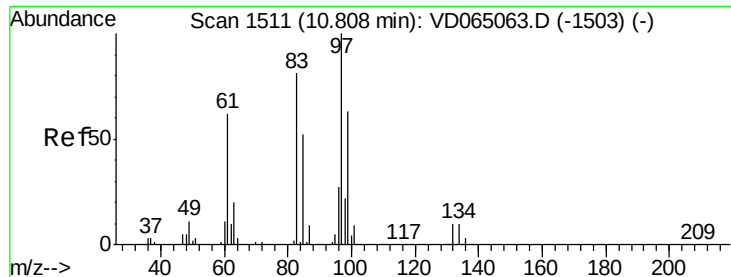
Ion Ratio Lower Upper

75 100

77 32.8 25.3 37.9

39 48.7 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 22.571 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 65568

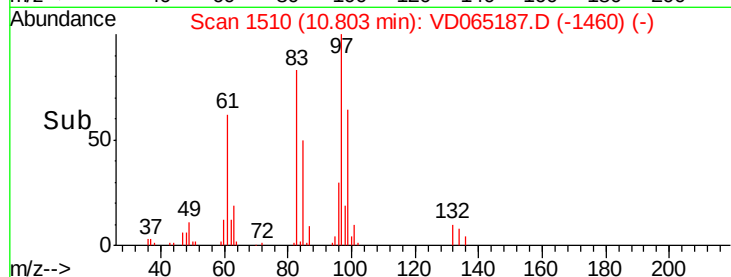
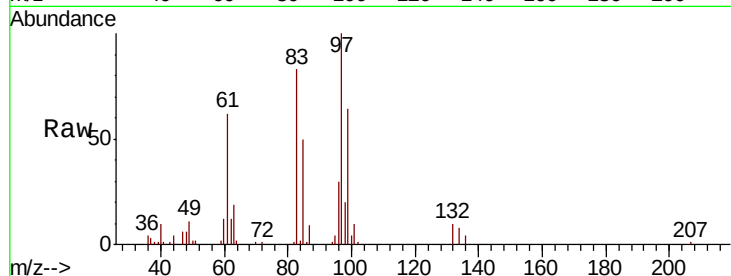
Ion	Ratio	Lower	Upper
97	100		
83	83.4	64.8	97.2
85	49.6	41.2	61.8
99	64.1	50.3	75.5

97 100

83 83.4 64.8 97.2

85 49.6 41.2 61.8

99 64.1 50.3 75.5



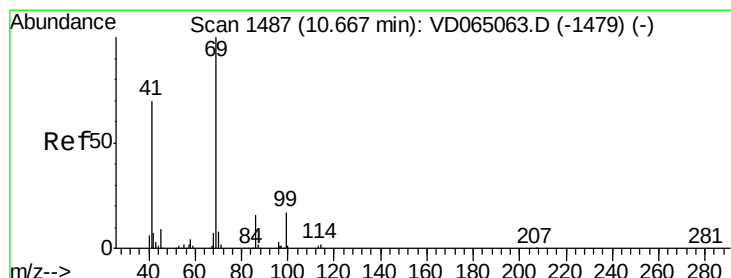
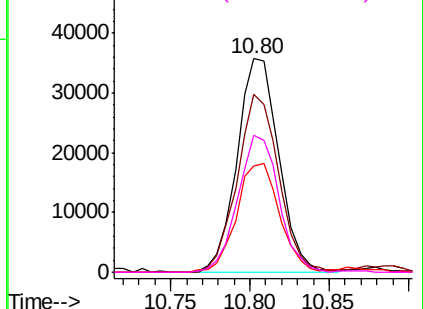
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.609 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

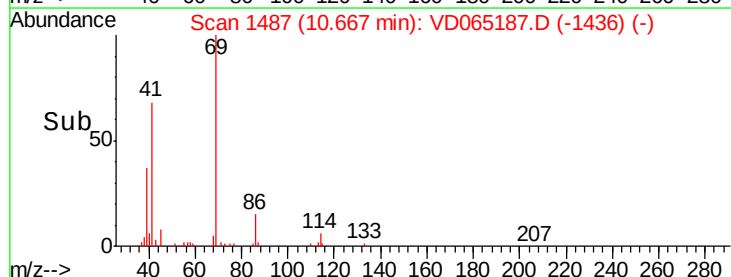
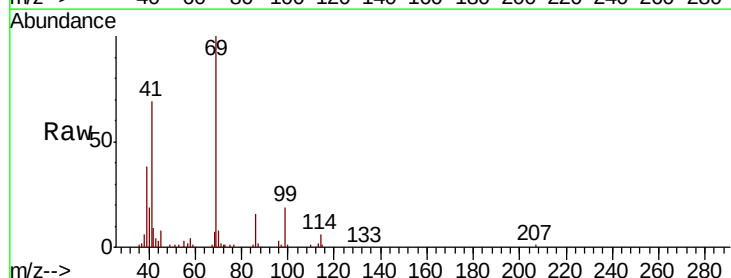
Tgt Ion: 69 Resp: 72072

Ion	Ratio	Lower	Upper
69	100		
41	71.2	55.9	83.9
39	35.0	29.4	44.0

69 100

41 71.2 55.9 83.9

39 35.0 29.4 44.0

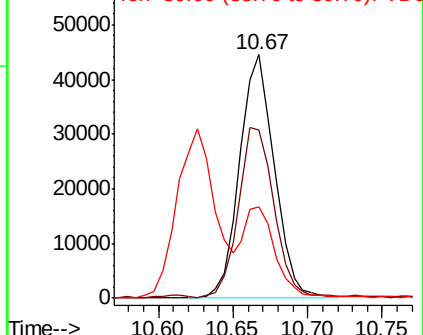


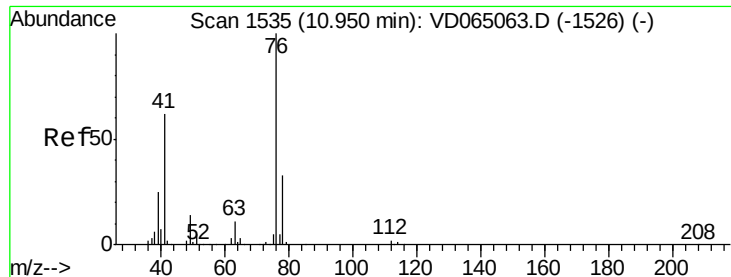
Abundance

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: 22.222 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

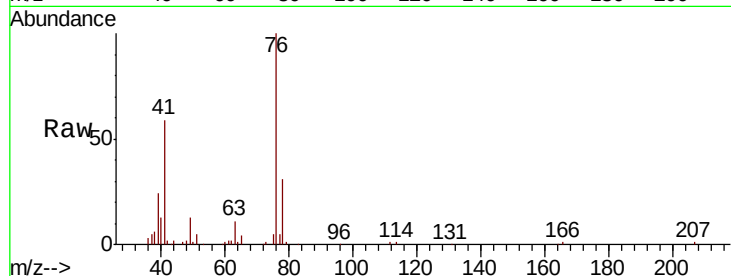
ClientSampleId :

Tot Ion: 76 Resp: 113511

Ion Ratio Lower Upper

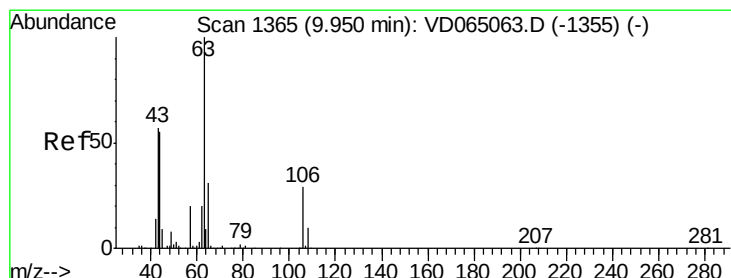
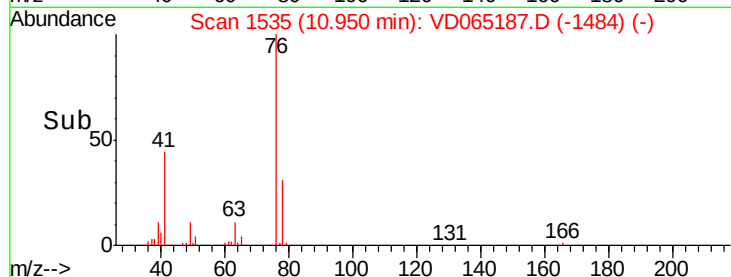
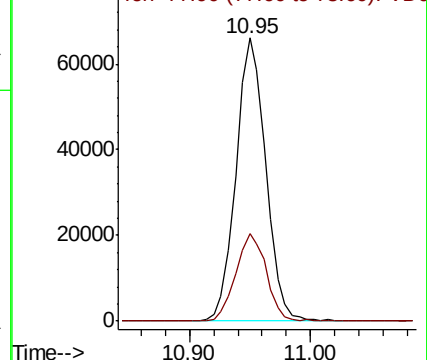
76 100

78 31.7 25.8 38.6



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: 84.898 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065187.D

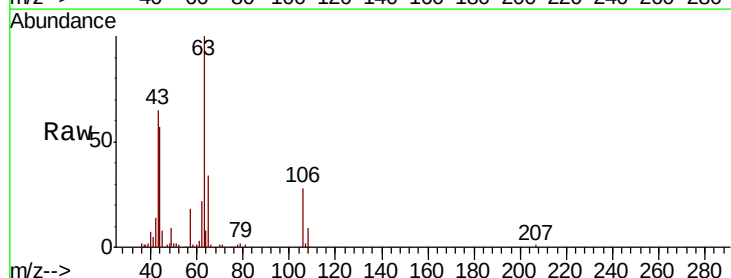
Acq: 14 Feb 2020 14:53

Tgt Ion: 63 Resp: 115728

Ion Ratio Lower Upper

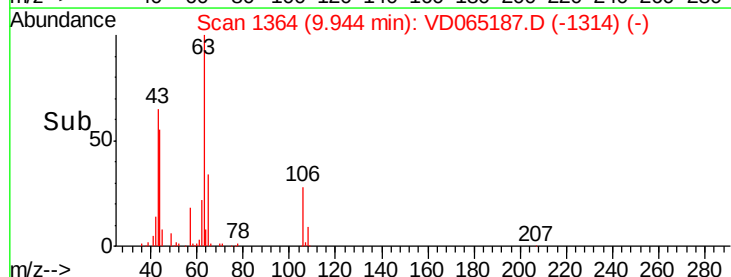
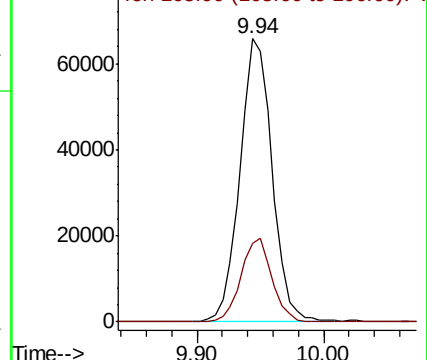
63 100

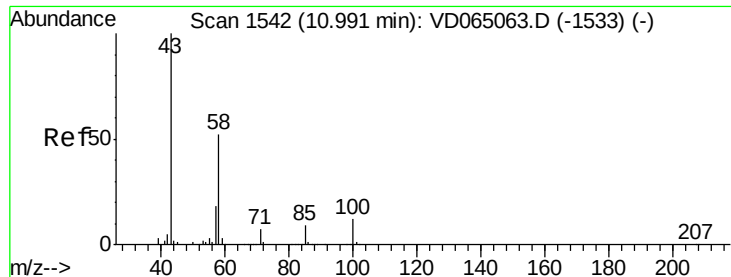
106 28.4 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

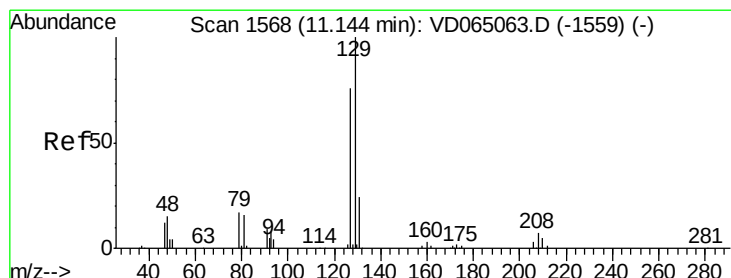
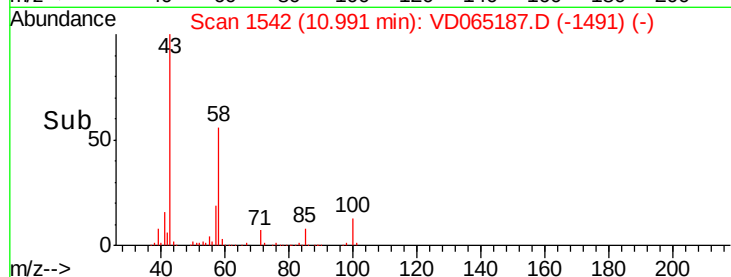
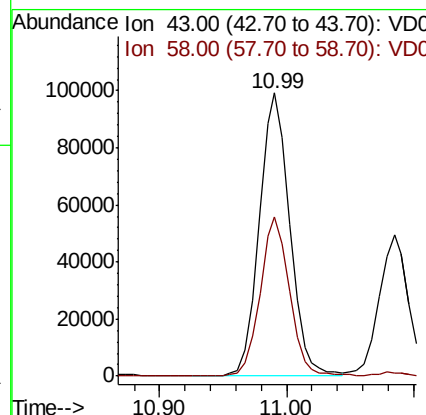
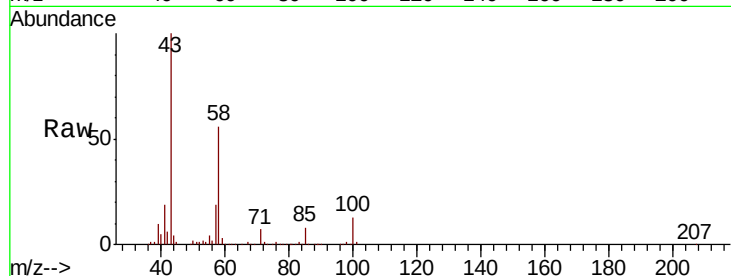




#59
2-Hexanone
Concen: 100.311 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

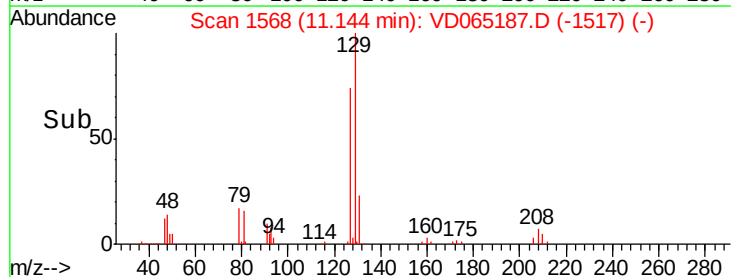
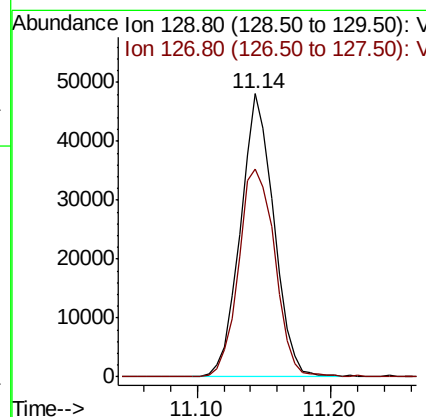
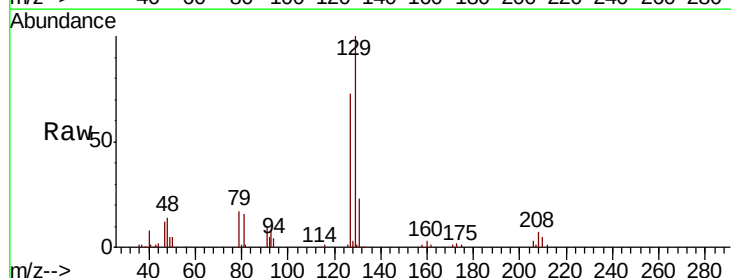
Instrument :
MSVOA_D
ClientSampled :

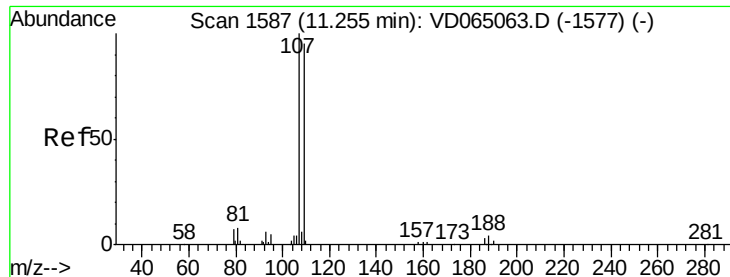
Tot Ion: 43 Resp: 166373
Ion Ratio Lower Upper
43 100
58 54.3 26.2 78.6



#60
Dibromochloromethane
Concen: 22.129 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion: 129 Resp: 83263
Ion Ratio Lower Upper
129 100
127 79.7 38.3 114.9

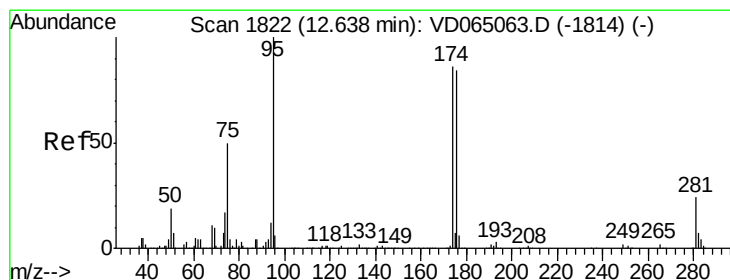
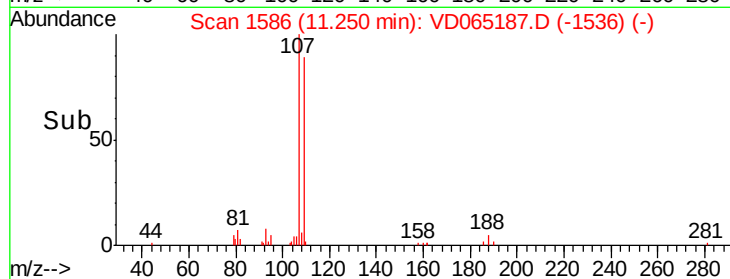
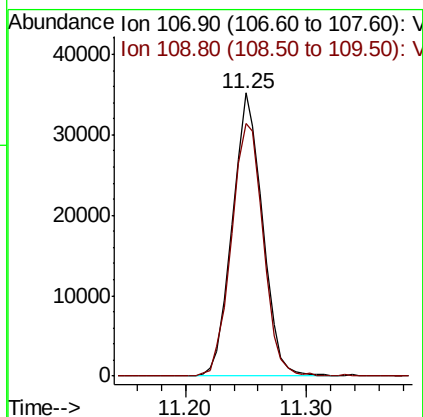
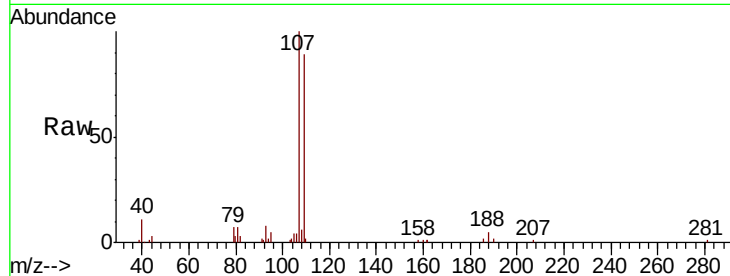




#61
 1,2-Dibromoethane
 Concen: 21.588 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

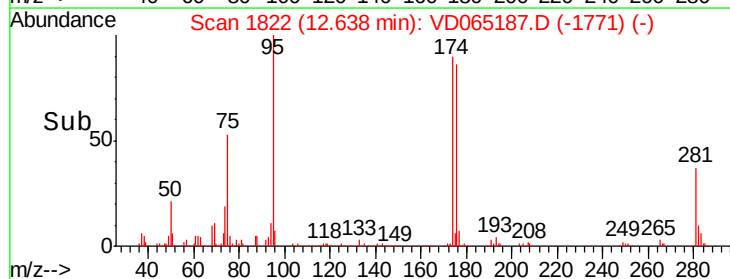
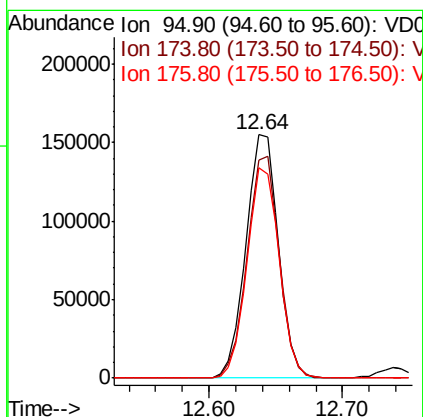
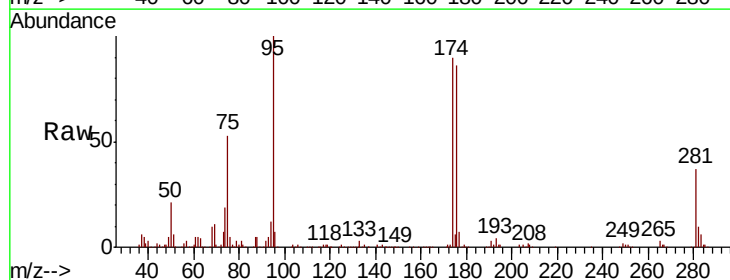
Instrument :
 MSVOA_D
 ClientSampleId :

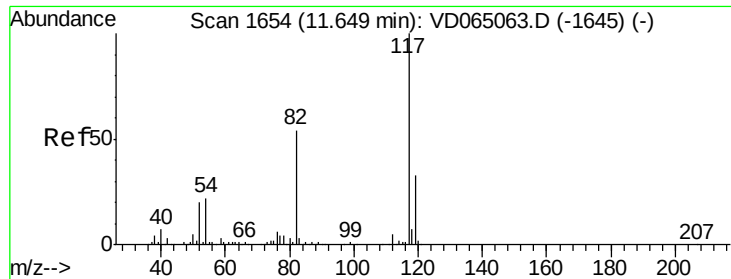
Tot Ion: 107 Resp: 61277
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 56.193 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Tgt Ion: 95 Resp: 258856
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 180.0
 176 85.9 0.0 173.2

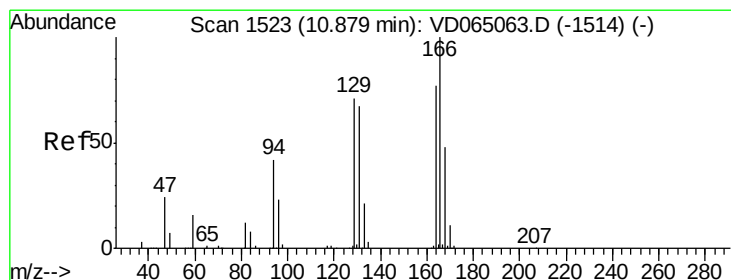
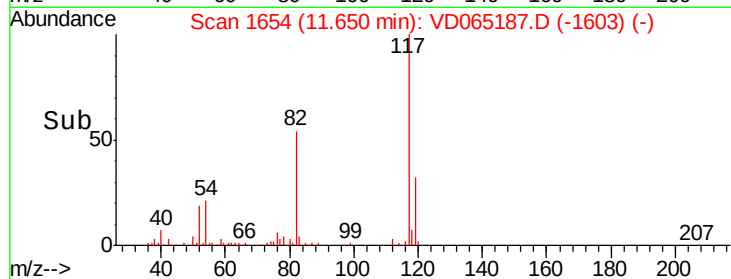
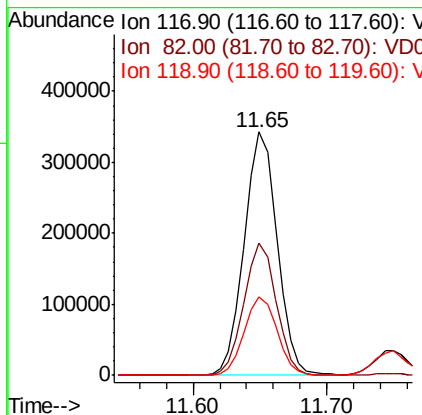
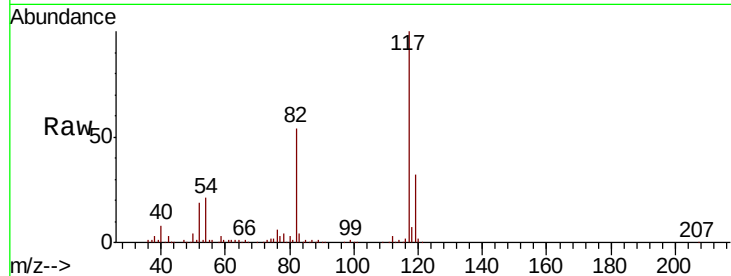




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

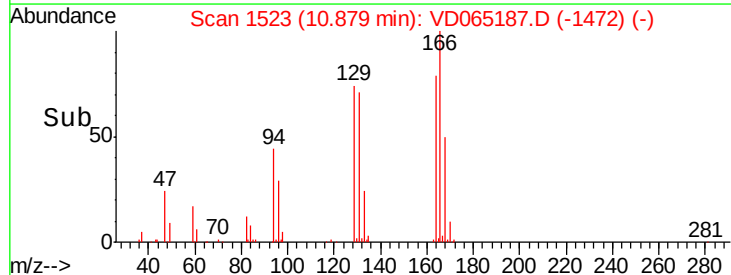
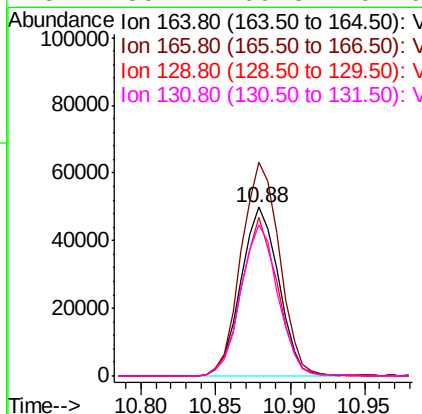
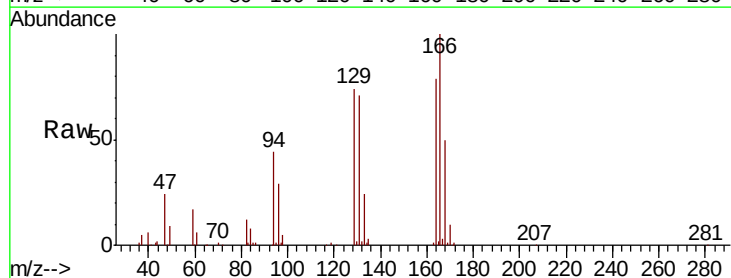
Instrument :
MSVOA_D
ClientSampled :

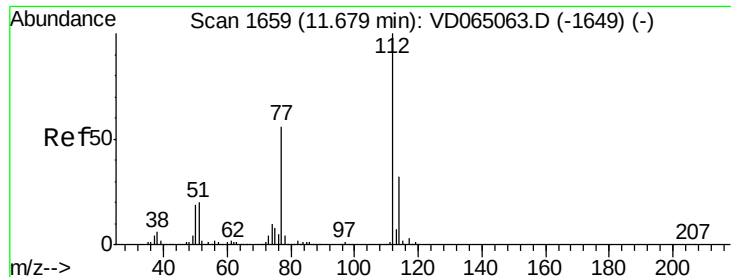
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.1	64.7
119	32.4	26.0	39.0



#64
Tetrachloroethene
Concen: 20.835 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.5	155.3
129	94.1	73.3	109.9
131	89.4	69.8	104.6

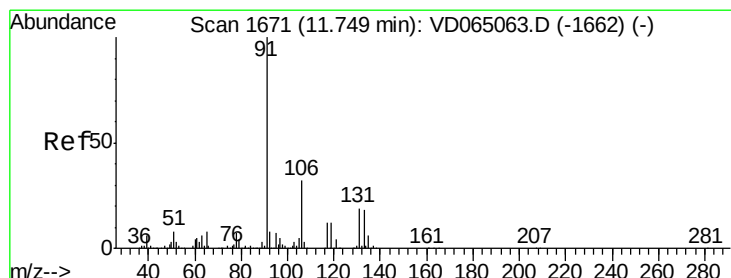
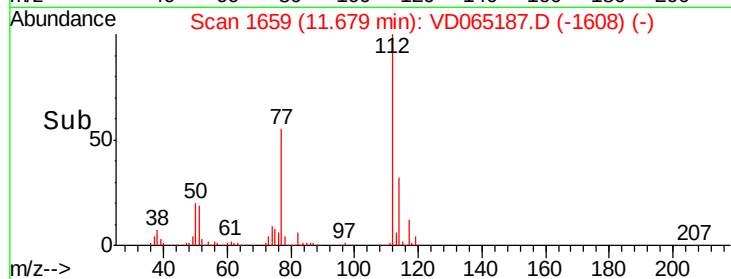
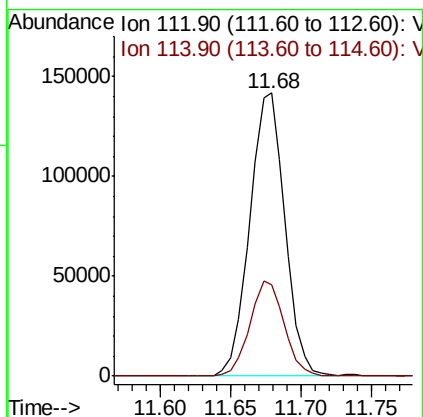
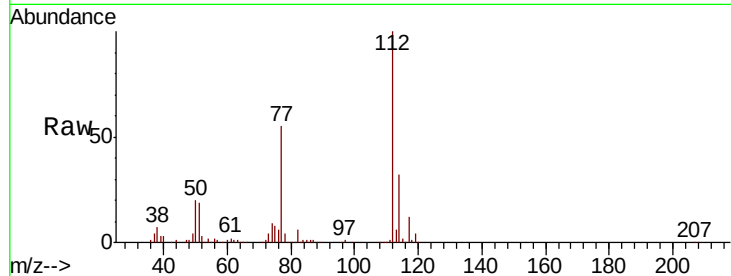




#65
Chlorobenzene
Concen: 21.937 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

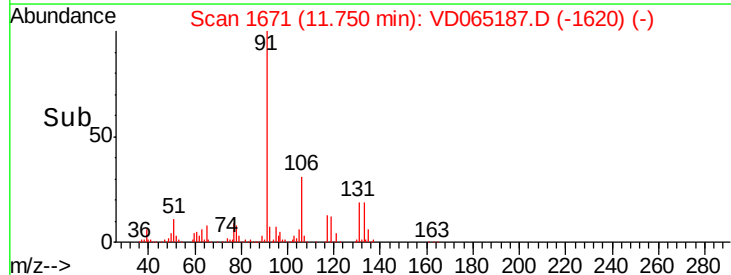
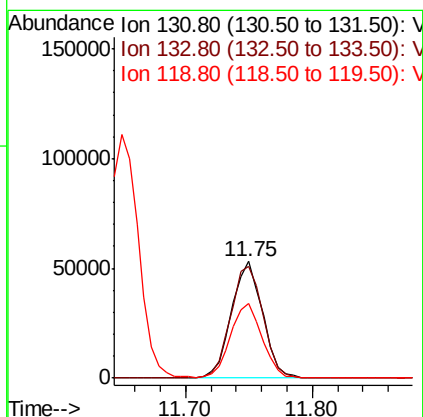
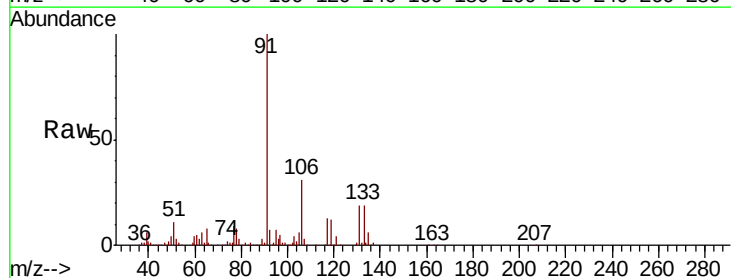
Instrument :
MSVOA_D
ClientSampleId :

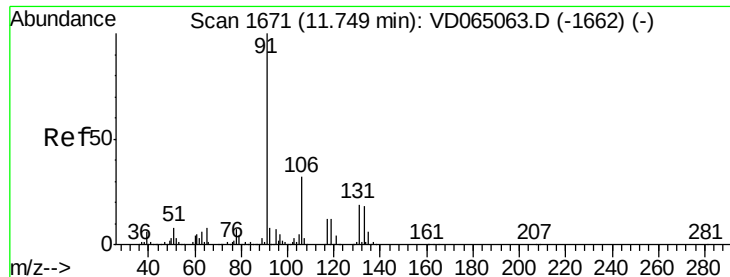
Tot Ion:112 Resp: 248204
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.585 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion:131 Resp: 90135
Ion Ratio Lower Upper
131 100
133 99.9 47.7 143.1
119 65.3 31.3 93.8





#67

Ethyl Benzene

Concen: 21.276 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

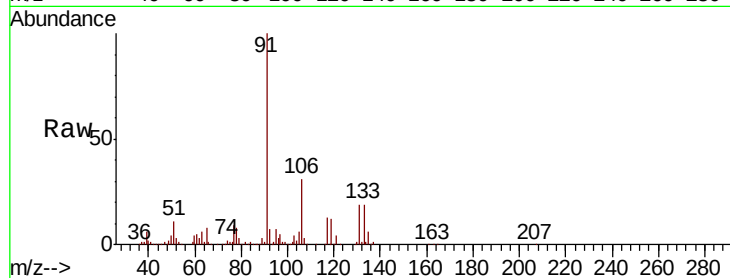
ClientSampled :

Tot Ion: 91 Resp: 437336

Ion Ratio Lower Upper

91 100

106 30.5 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VD065187.D (-1670) (-)

Ion 106.00 (105.70 to 106.70): VD065187.D (-1670) (-)

400000

300000

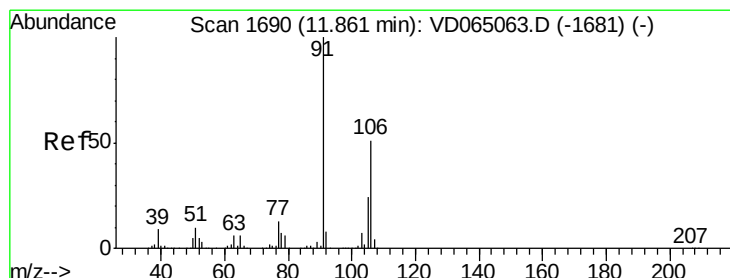
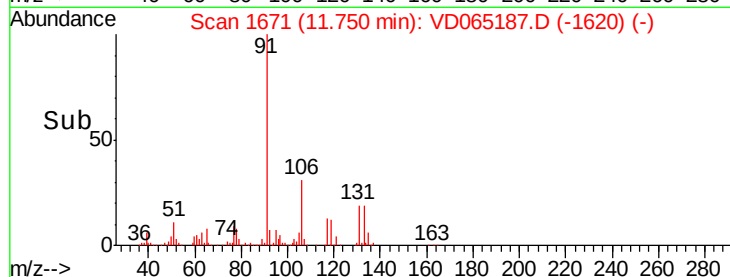
200000

100000

0

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 43.368 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065187.D

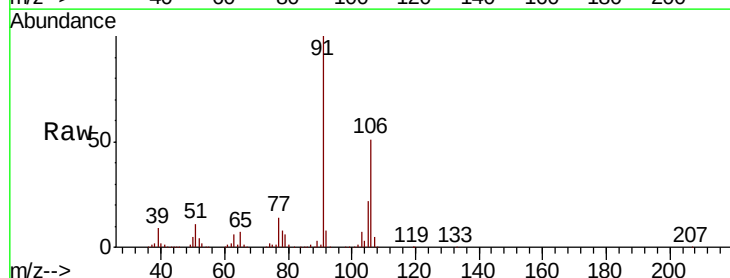
Acq: 14 Feb 2020 14:53

Tgt Ion: 106 Resp: 340246

Ion Ratio Lower Upper

106 100

91 197.0 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): VD065187.D (-1689) (-)

Ion 91.00 (90.70 to 91.70): VD065187.D (-1689) (-)

400000

300000

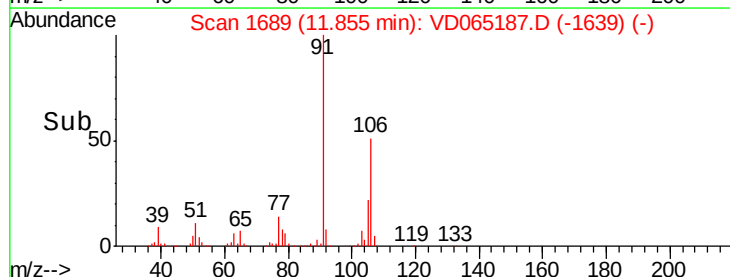
200000

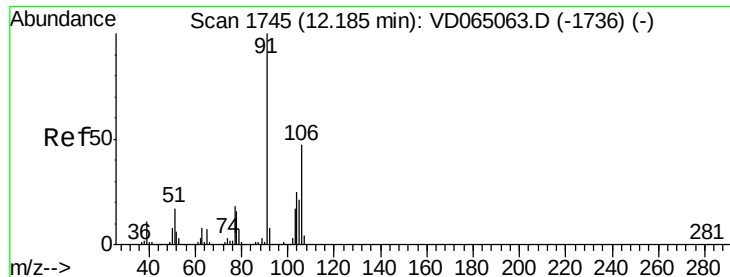
100000

0

11.80 11.85 11.90

Time-->

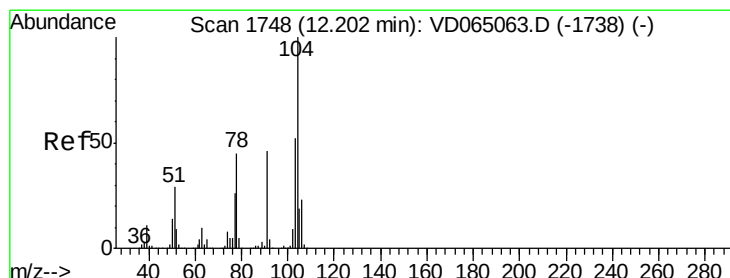
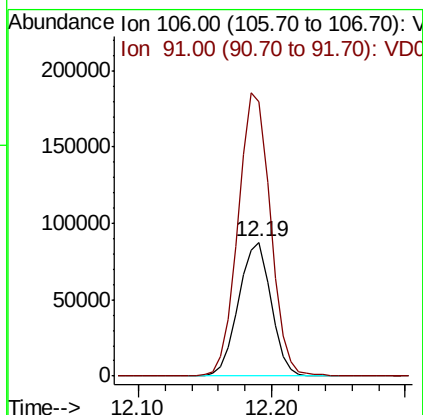
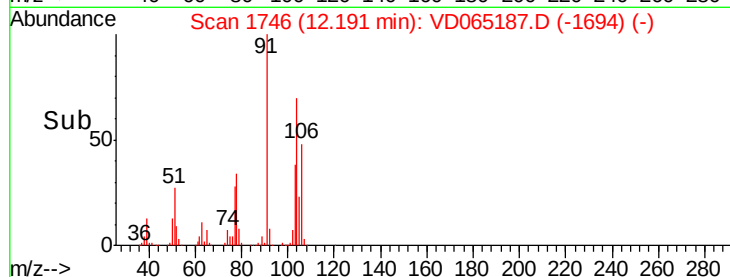
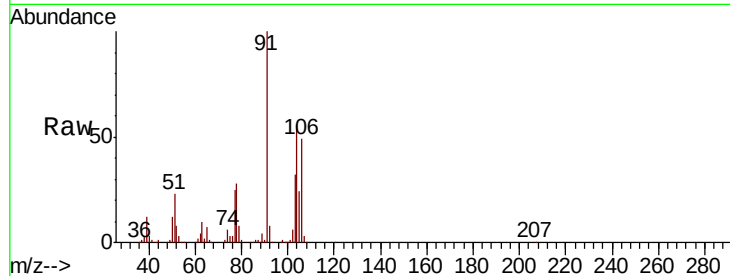




#69
o-Xylene
Concen: 20.963 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

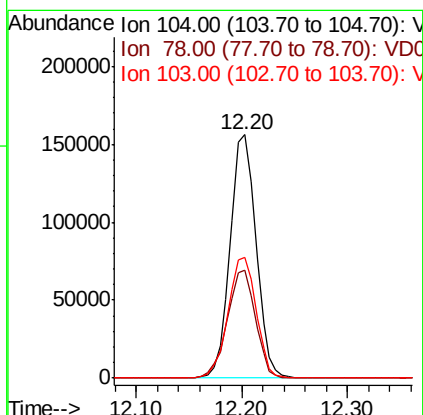
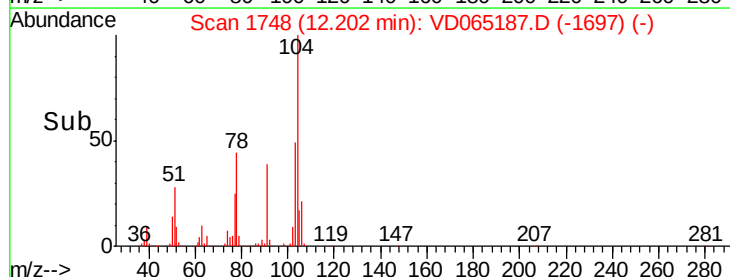
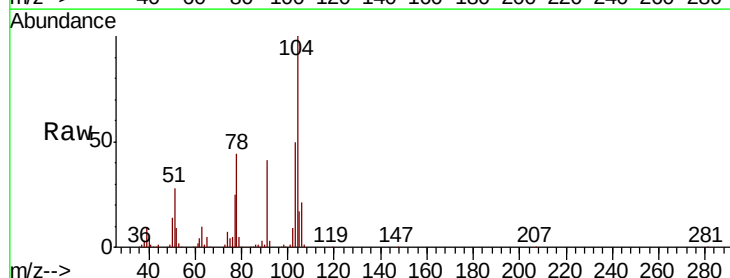
Instrument :
MSVOA_D
ClientSampled :

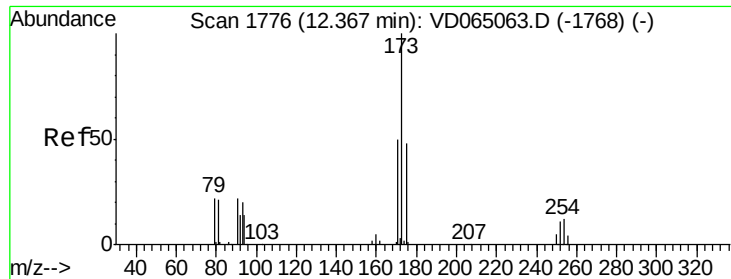
Tot Ion:106 Resp: 148101
Ion Ratio Lower Upper
106 100
91 210.6 104.7 313.9



#70
Styrene
Concen: 21.532 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion:104 Resp: 264394
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 54.0 43.8 65.8





#71

Bromoform

Concen: 21.846 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

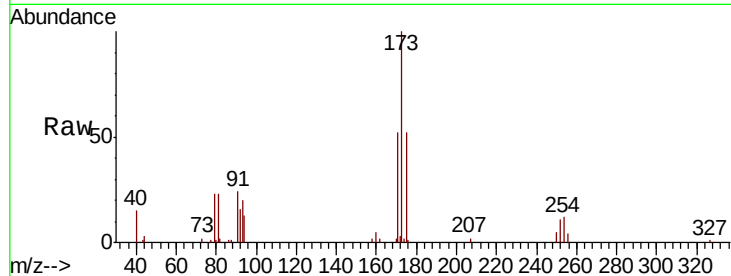
Tot Ion:173 Resp: 49102

Ion Ratio Lower Upper

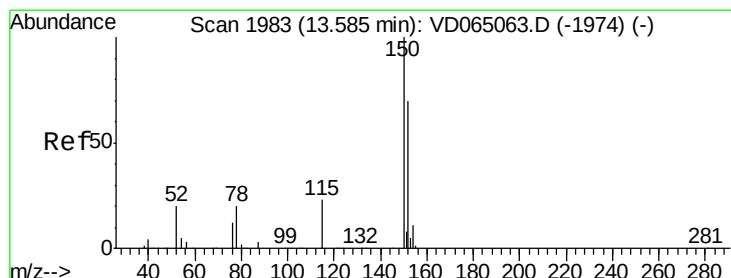
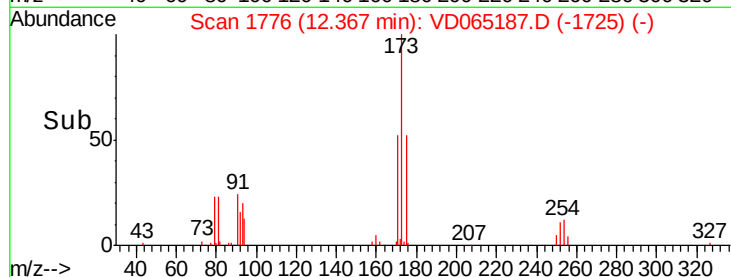
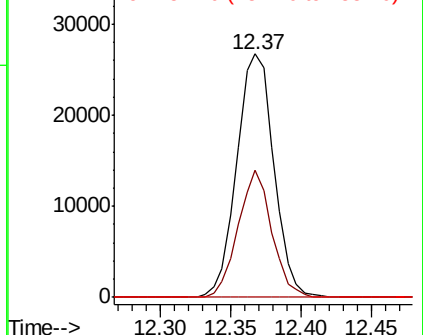
173 100

175 47.3 24.3 72.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

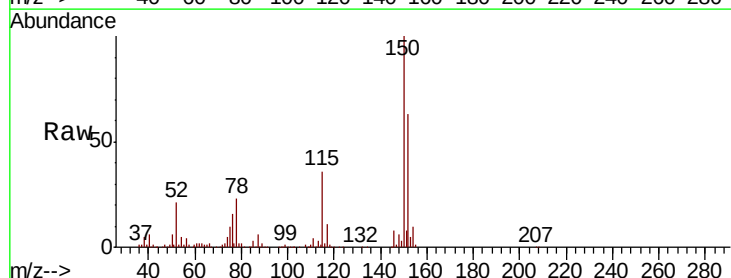
Tgt Ion:152 Resp: 276417

Ion Ratio Lower Upper

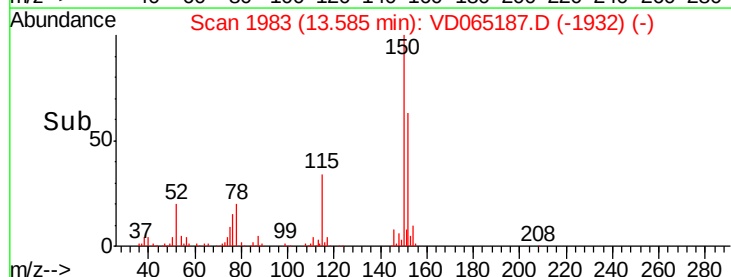
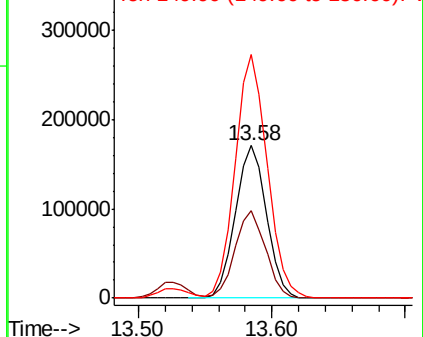
152 100

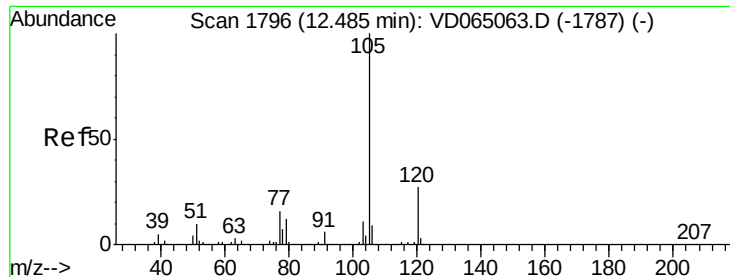
115 56.4 27.5 82.4

150 163.9 0.0 343.2



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





#73

Isopropylbenzene

Concen: 21.417 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

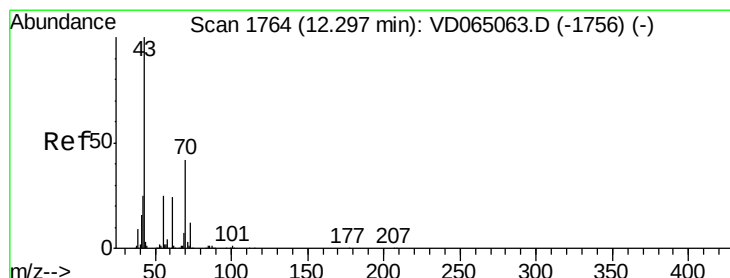
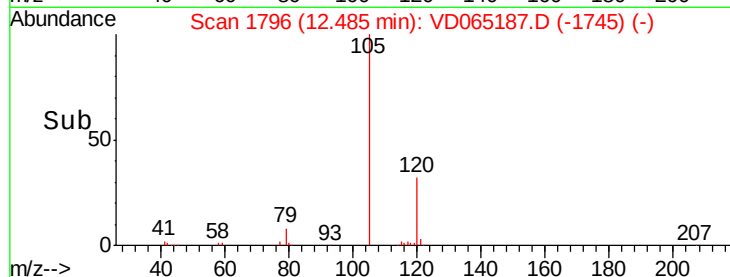
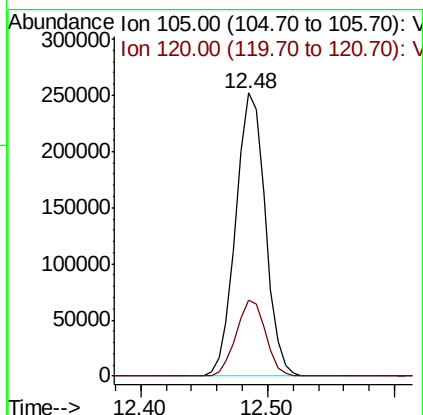
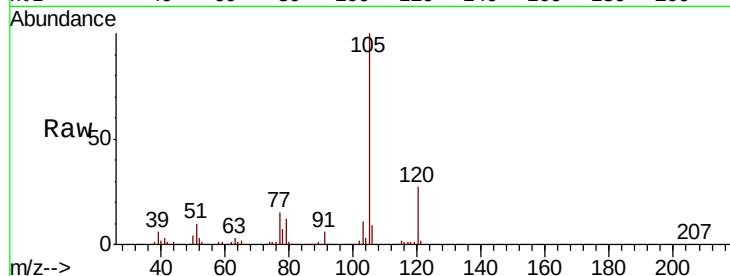
ClientSampleId :

Tot Ion:105 Resp: 406325

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 20.611 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Tgt Ion: 43 Resp: 84995

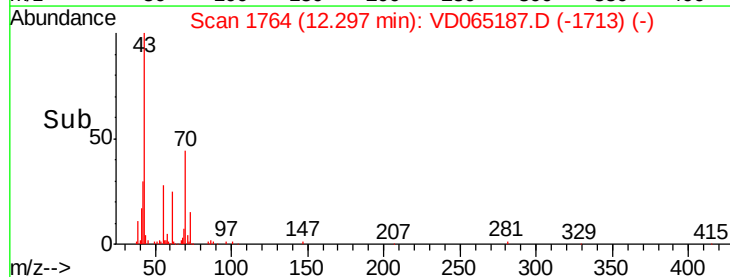
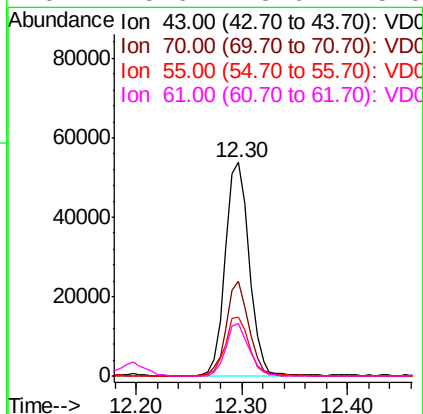
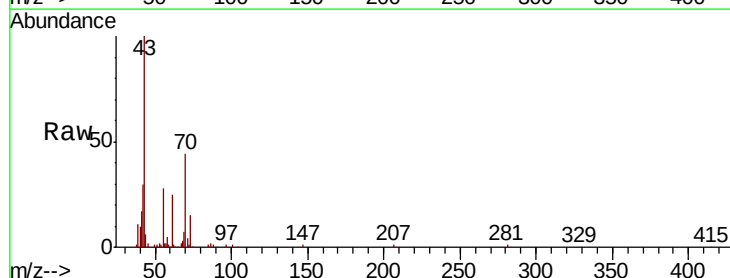
Ion Ratio Lower Upper

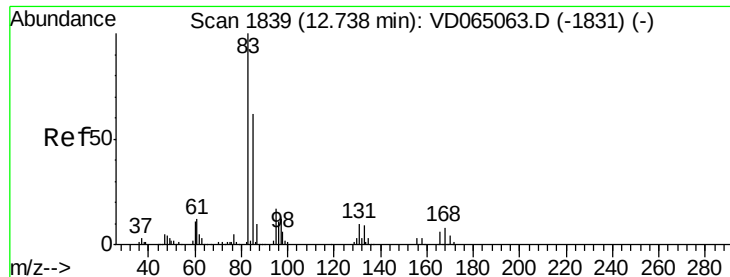
43 100

70 41.2 33.5 50.3

55 27.5 19.4 29.2

61 23.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.232 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

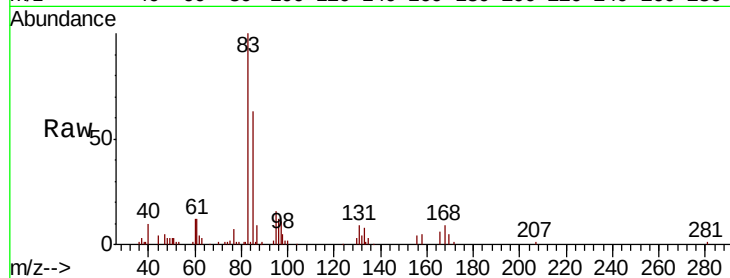
Tot Ion: 83 Resp: 69370

Ion Ratio Lower Upper

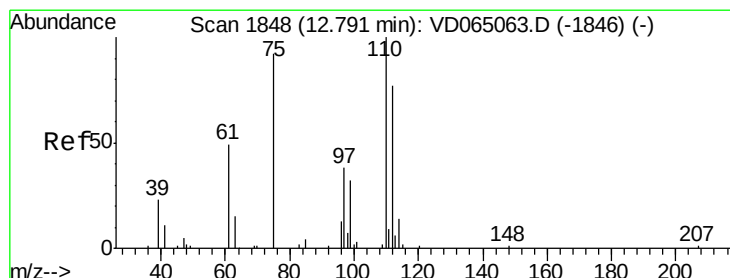
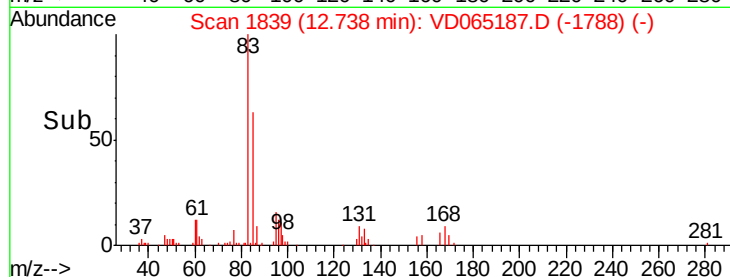
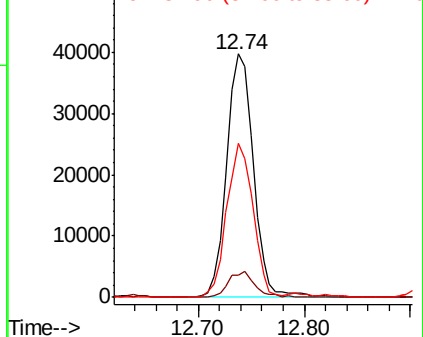
83 100

131 10.5 5.5 16.4

85 61.8 31.8 95.4



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: 42.904 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065187.D

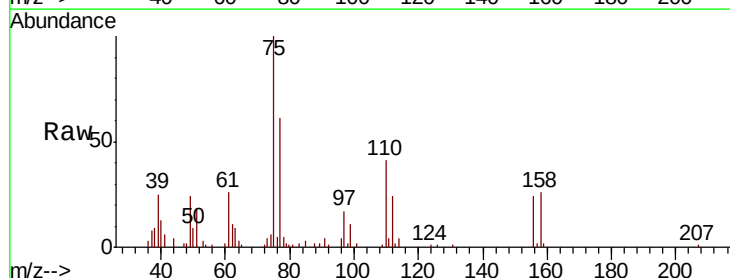
Acq: 14 Feb 2020 14:53

Tgt Ion: 75 Resp: 89788

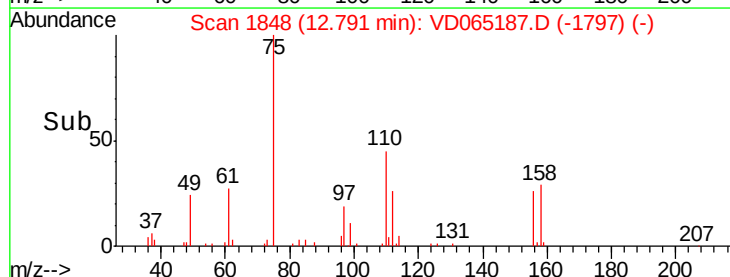
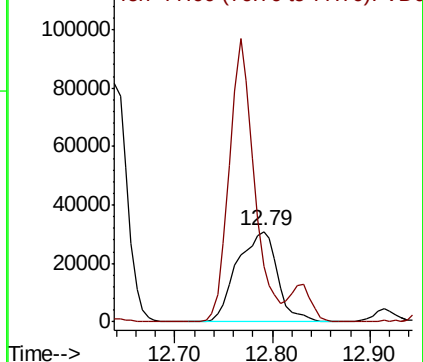
Ion Ratio Lower Upper

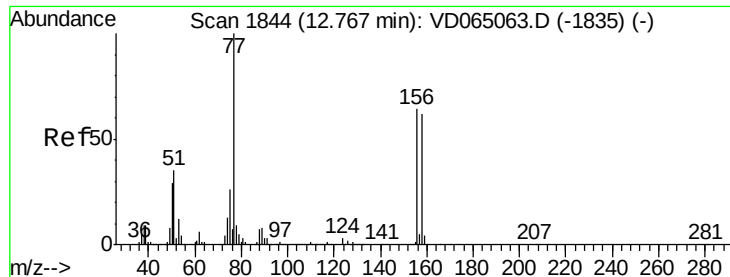
75 100

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: 22.165 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

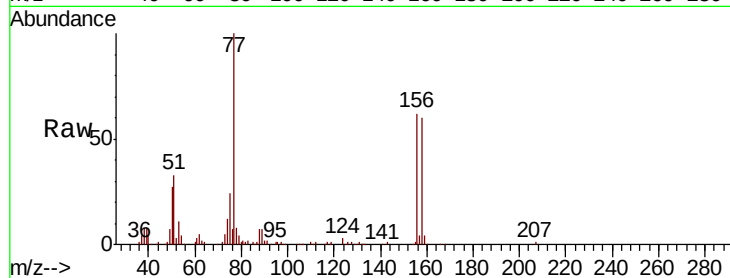
Tot Ion:156 Resp: 101316

Ion Ratio Lower Upper

156 100

77 170.4 85.6 256.8

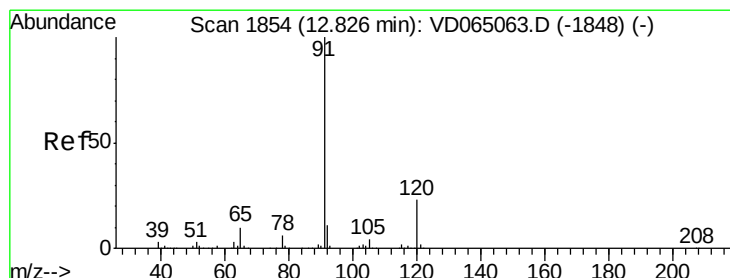
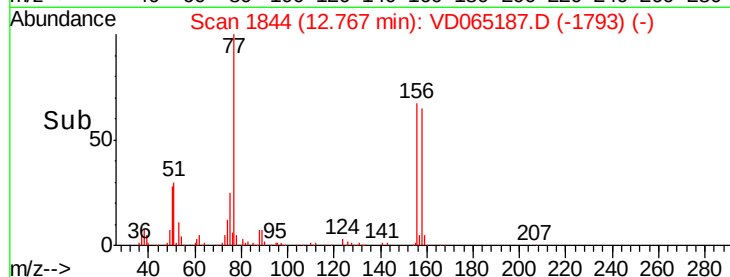
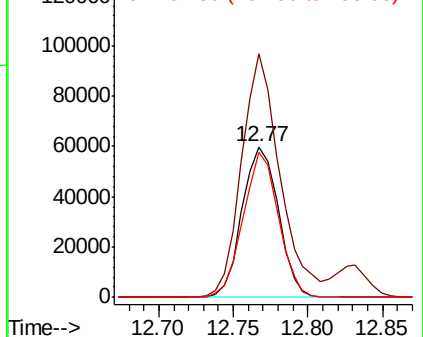
158 93.5 47.4 142.2



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: 22.263 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065187.D

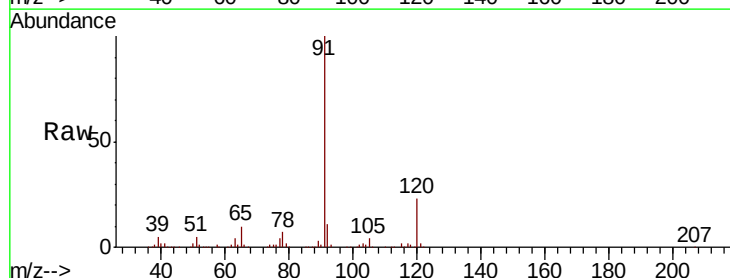
Acq: 14 Feb 2020 14:53

Tgt Ion: 91 Resp: 494643

Ion Ratio Lower Upper

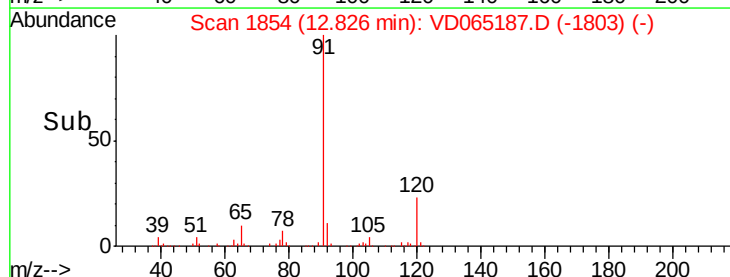
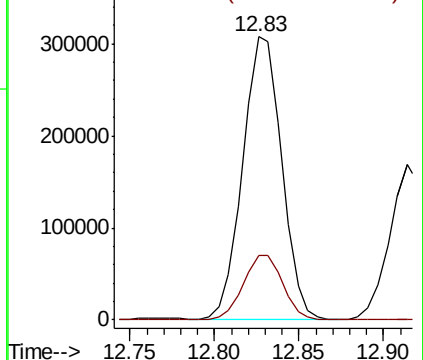
91 100

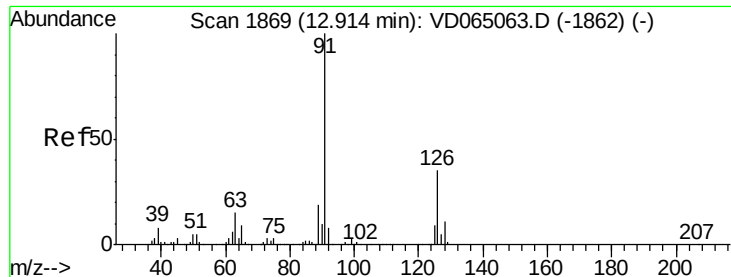
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.100 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

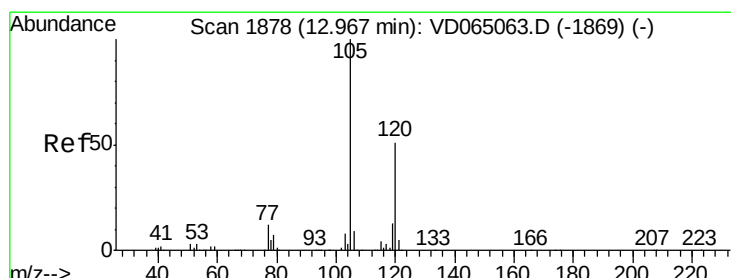
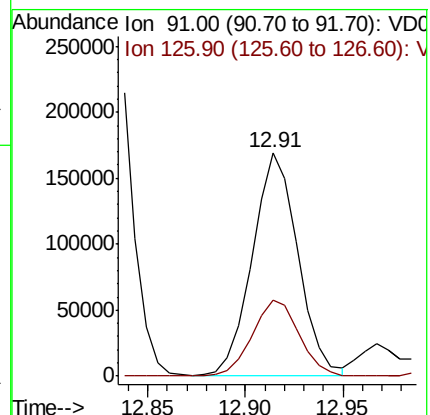
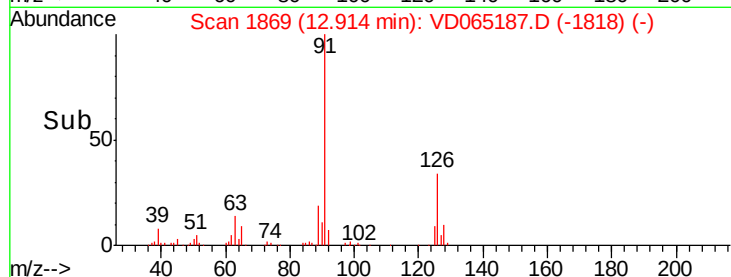
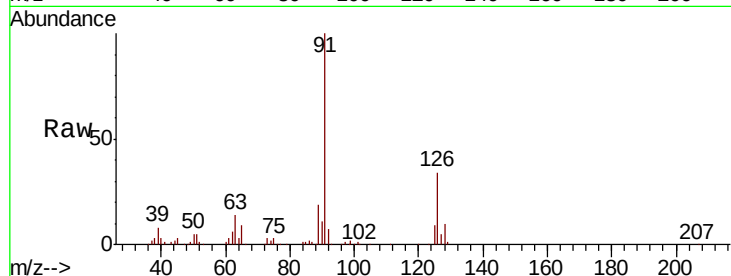
ClientSampled :

Tot Ion: 91 Resp: 273696

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 21.588 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065187.D

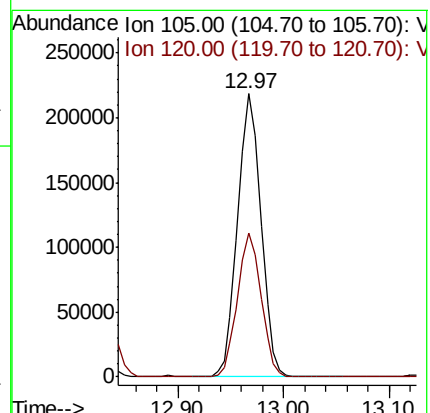
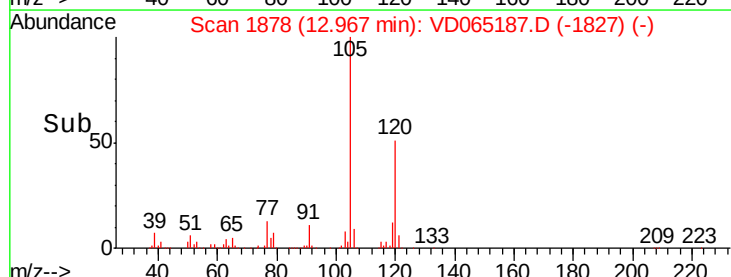
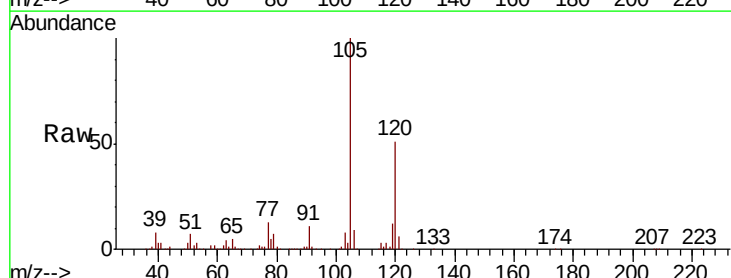
Acq: 14 Feb 2020 14:53

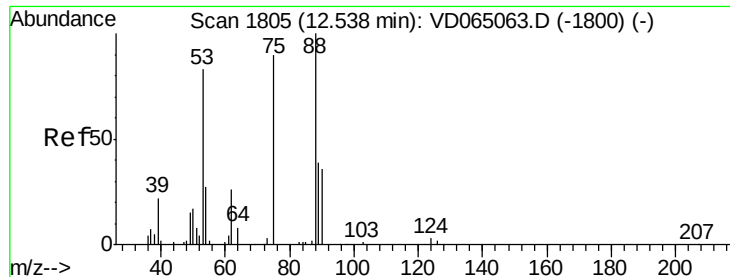
Tgt Ion: 105 Resp: 335066

Ion Ratio Lower Upper

105 100

120 51.2 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.981 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampled :

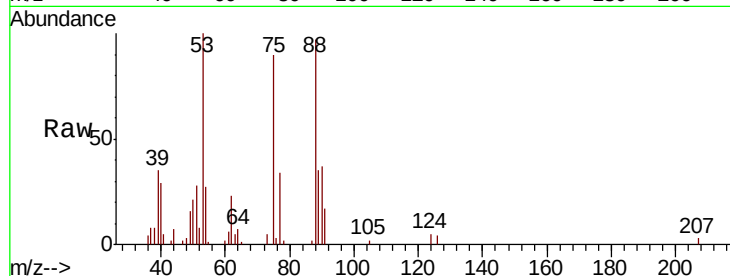
Tot Ion: 75 Resp: 21955

Ion Ratio Lower Upper

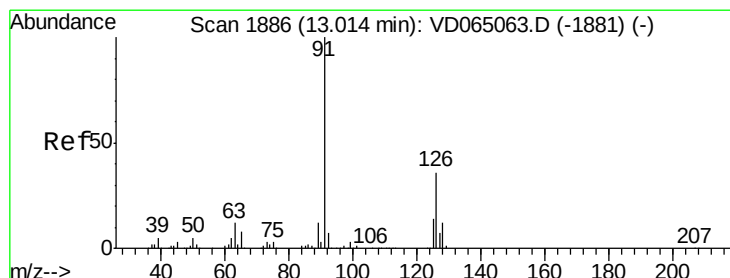
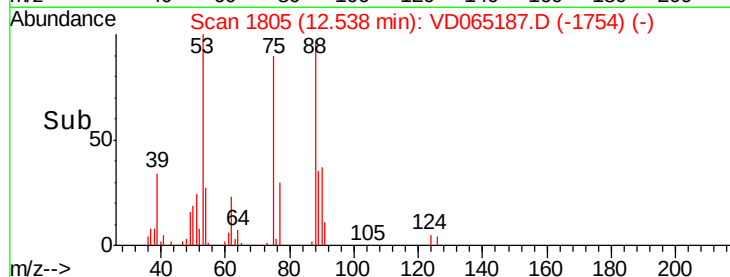
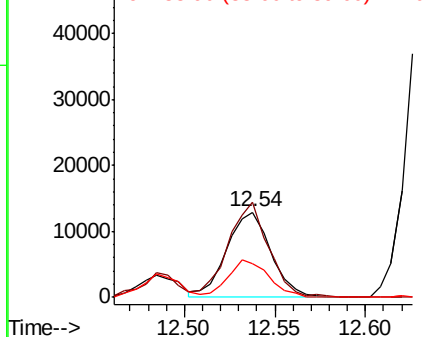
75 100

53 102.6 78.5 117.7

89 40.1 37.0 55.4



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: 22.449 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065187.D

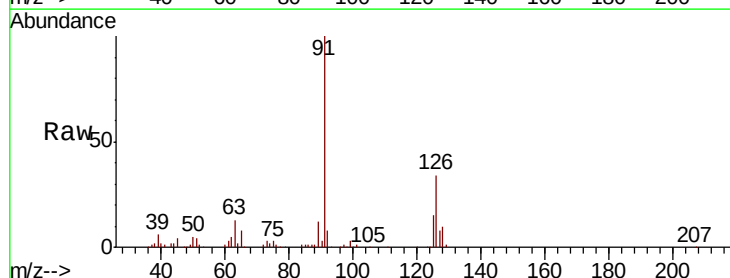
Acq: 14 Feb 2020 14:53

Tgt Ion: 91 Resp: 291996

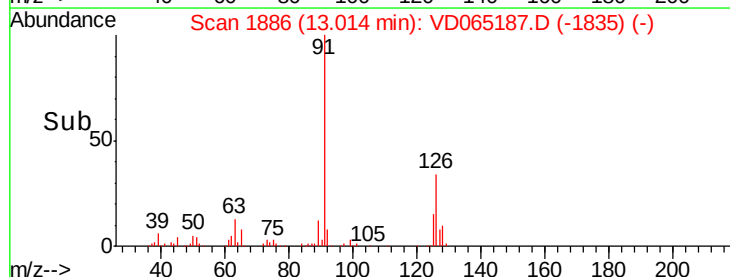
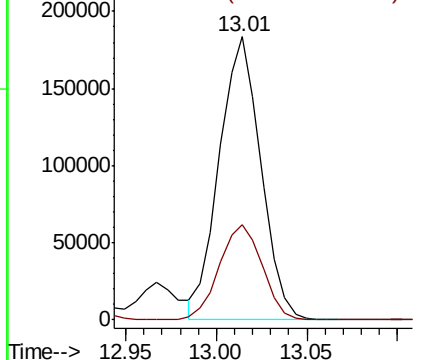
Ion Ratio Lower Upper

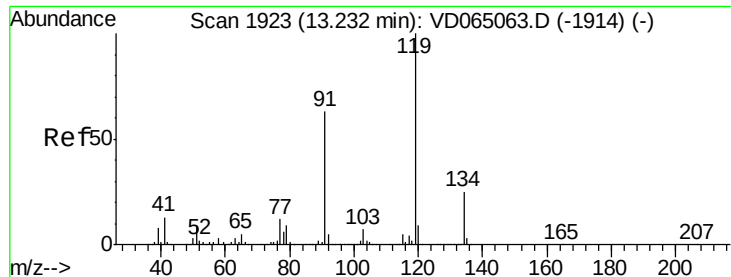
91 100

126 35.0 17.5 52.5



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

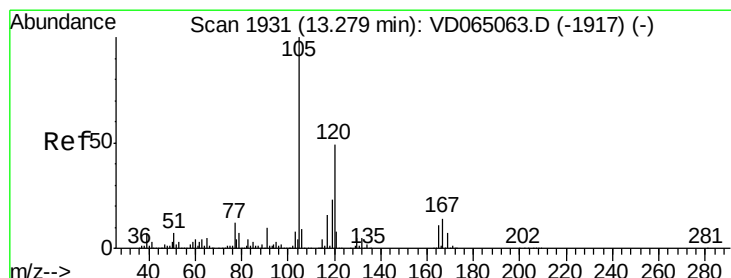
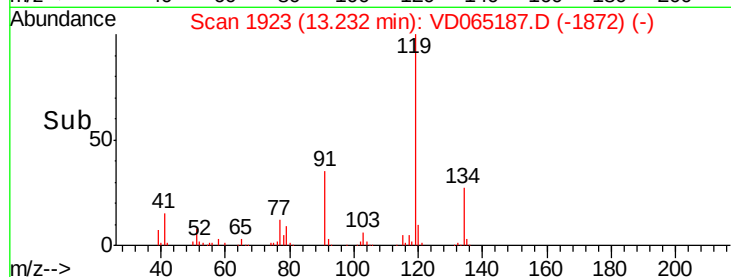
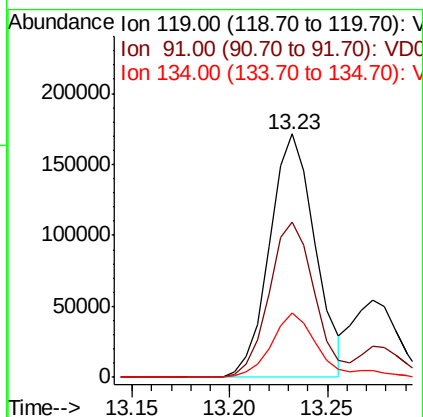
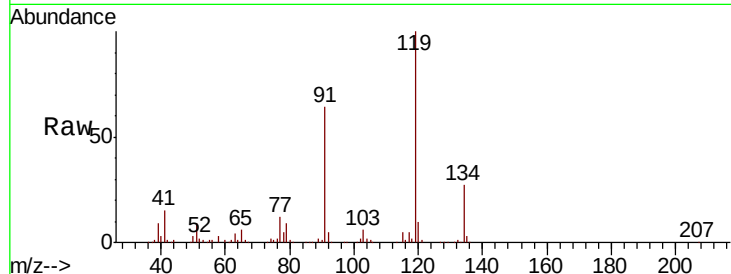




#83
 tert-Butylbenzene
 Concen: 20.687 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

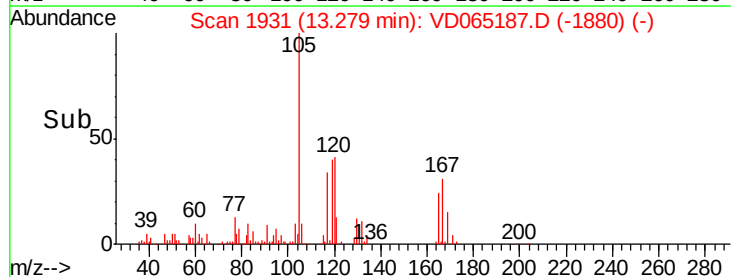
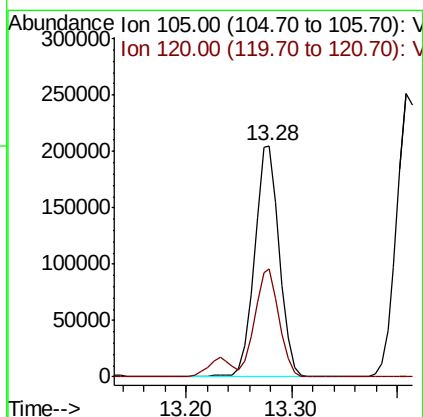
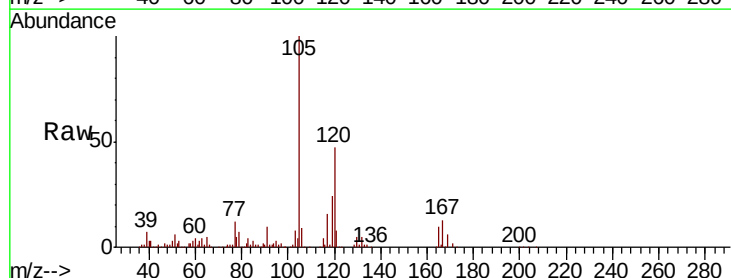
Instrument :
 MSVOA_D
 ClientSampleId :

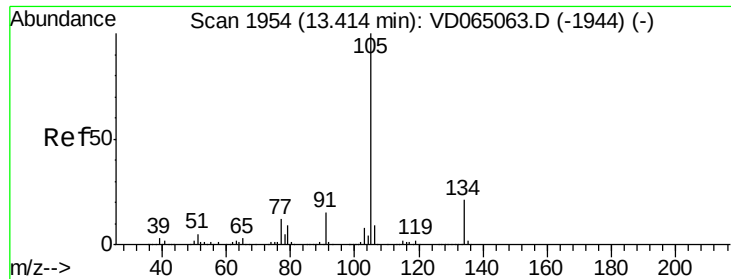
Tot Ion:119 Resp: 277006
 Ion Ratio Lower Upper
 119 100
 91 64.2 32.3 96.9
 134 27.7 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.763 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Tgt Ion:105 Resp: 335358
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.5 70.5





#85

sec-Butylbenzene

Concen: 21.578 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

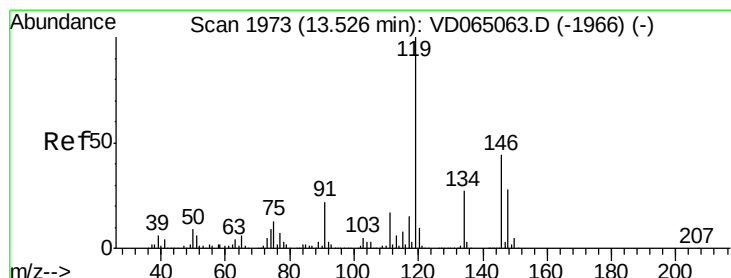
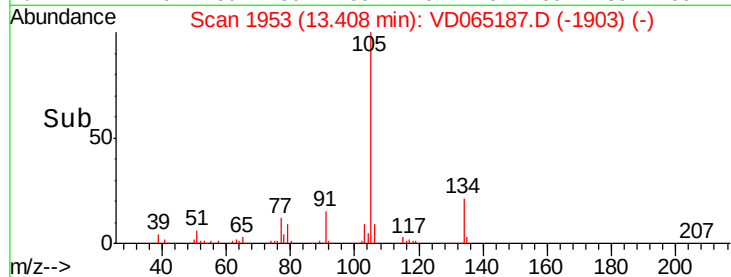
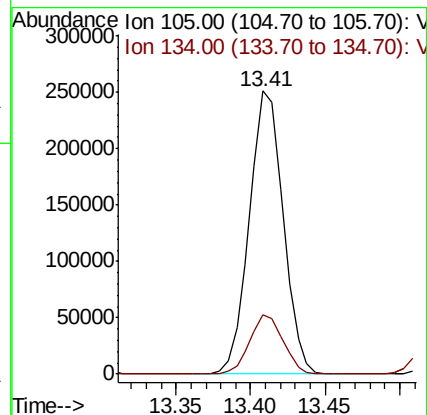
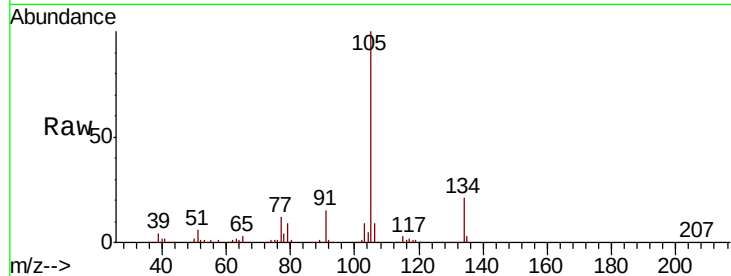
ClientSampled :

Tot Ion:105 Resp: 394643

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1



#86

p-Isopropyltoluene

Concen: 21.456 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

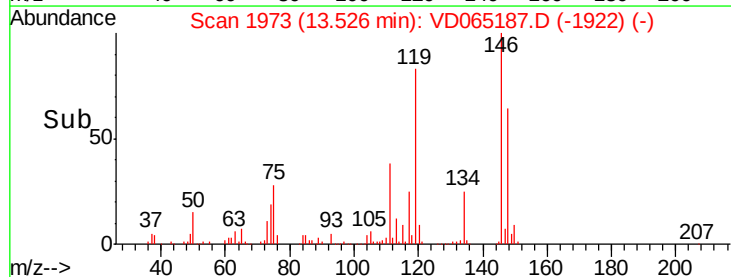
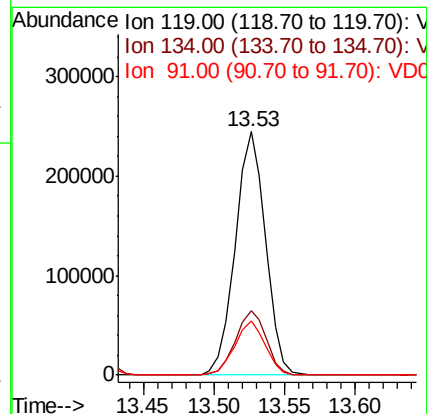
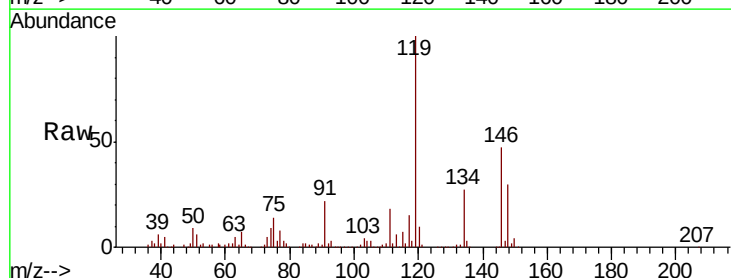
Tgt Ion:119 Resp: 364596

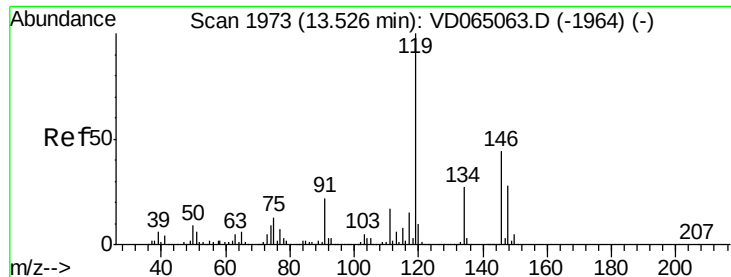
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

91 22.4 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 22.064 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

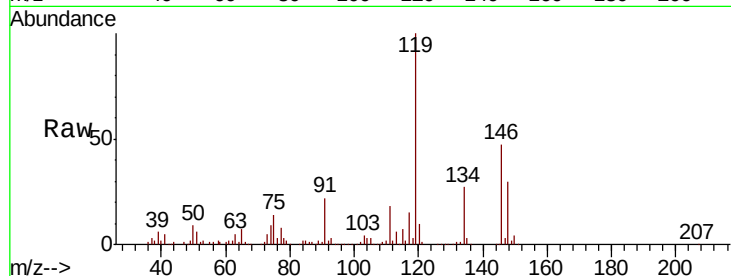
Tot Ion:146 Resp: 188829

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.4

148 63.0 32.3 96.8

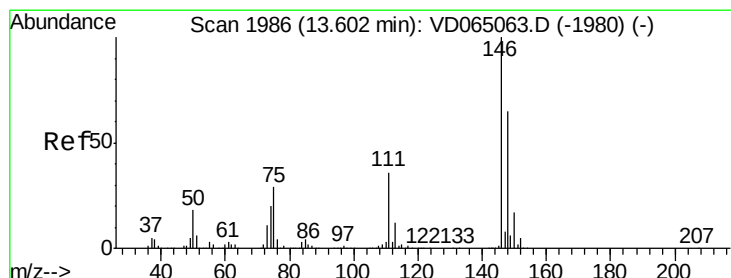
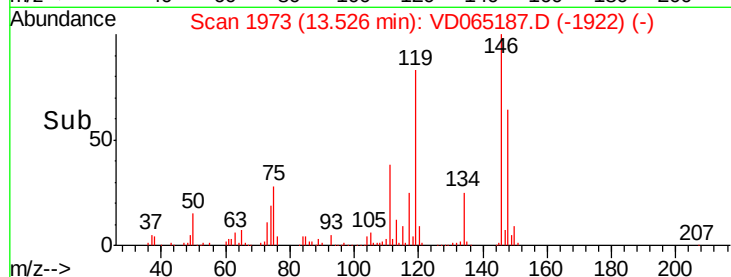
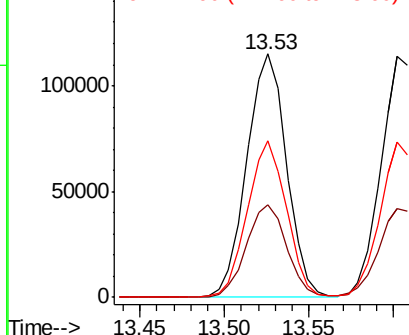


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.012 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065187.D

Acq: 14 Feb 2020 14:53

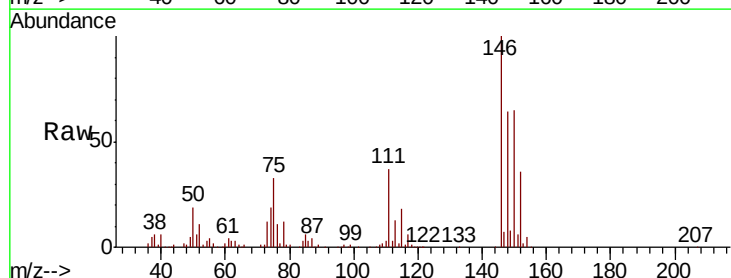
Tgt Ion:146 Resp: 187503

Ion Ratio Lower Upper

146 100

111 38.5 18.5 55.5

148 65.3 32.7 98.1

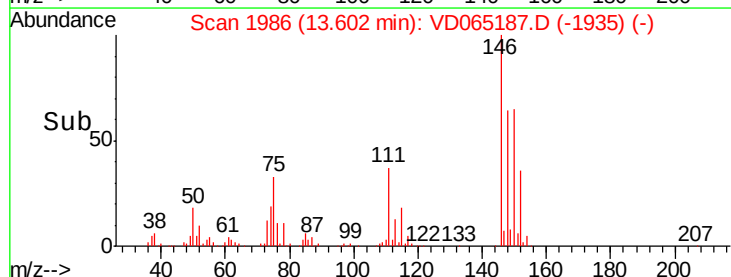
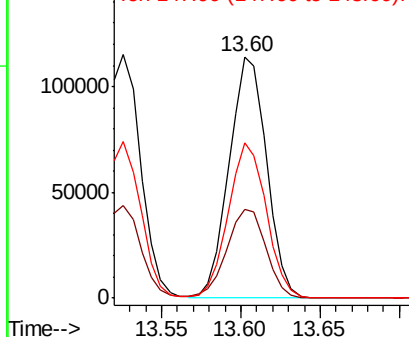


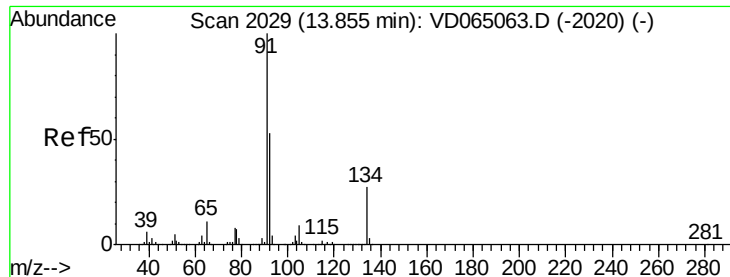
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

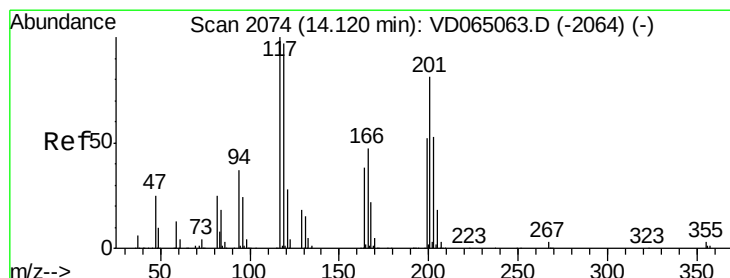
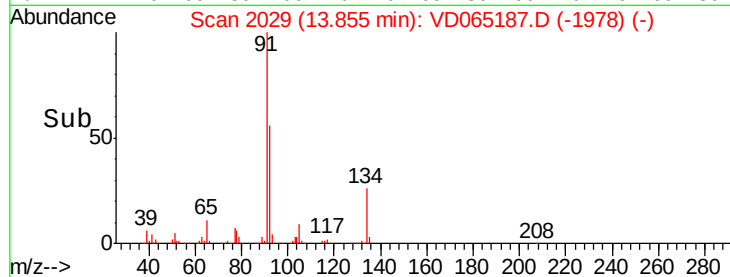
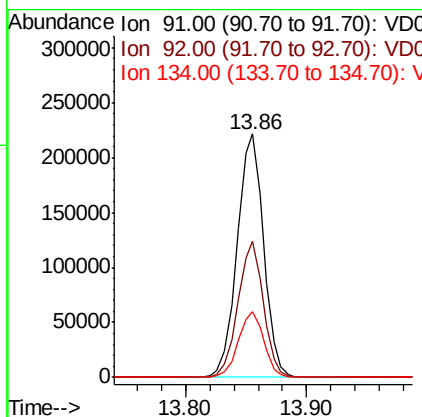
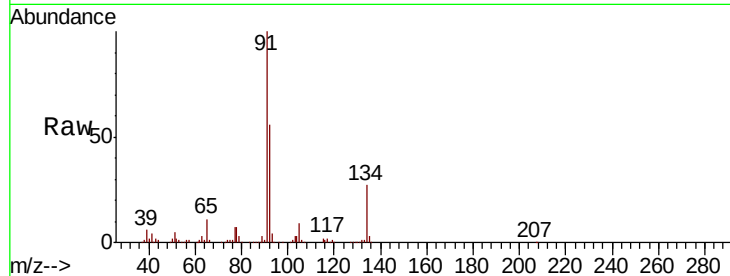




#89
n-Butylbenzene
Concen: 21.556 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

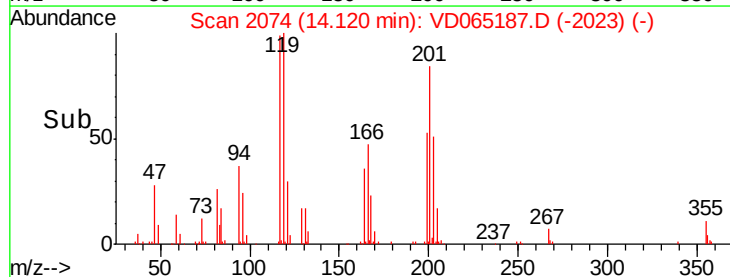
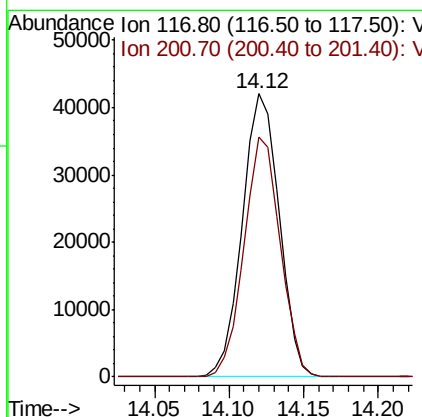
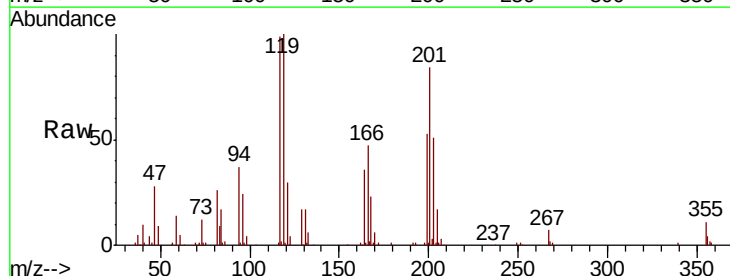
Instrument :
MSVOA_D
ClientSampled :

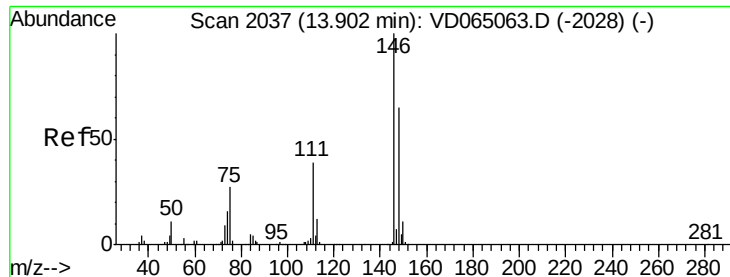
Tot Ion: 91 Resp: 338092
Ion Ratio Lower Upper
91 100
92 53.9 26.7 80.1
134 25.8 13.4 40.2



#90
Hexachloroethane
Concen: 22.344 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion: 117 Resp: 71896
Ion Ratio Lower Upper
117 100
201 83.1 42.5 127.6

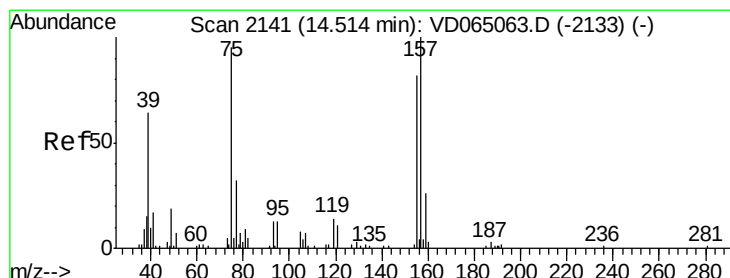
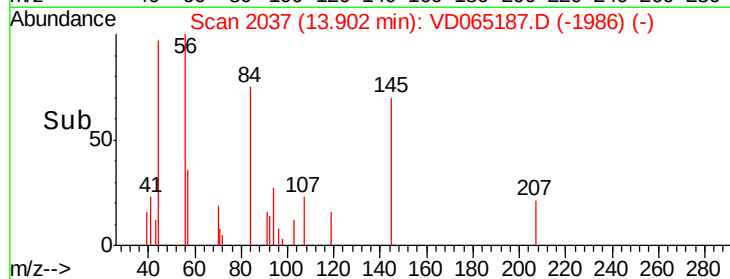
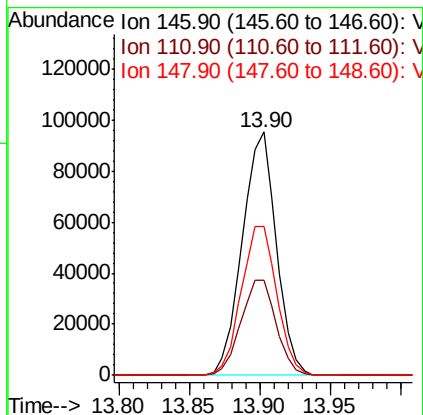
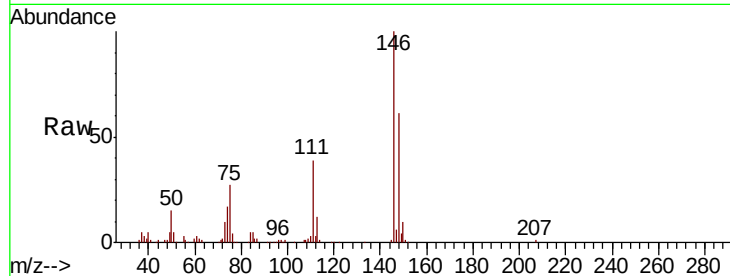




#91
 1,2-Dichlorobenzene
 Concen: 21.975 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

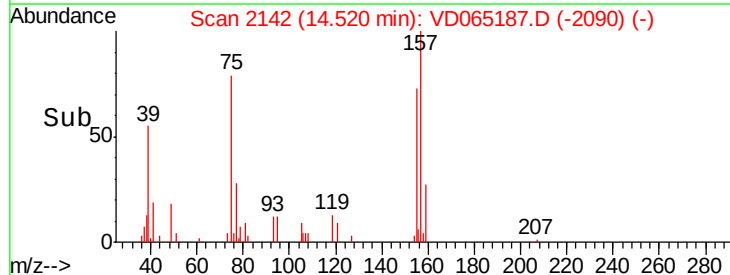
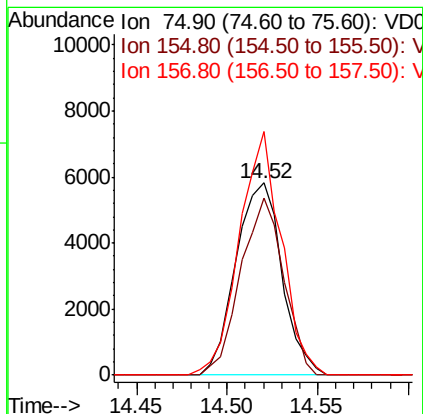
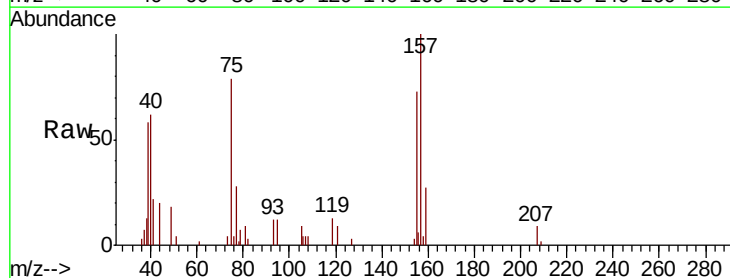
Instrument :
 MSVOA_D
 ClientSampleId :

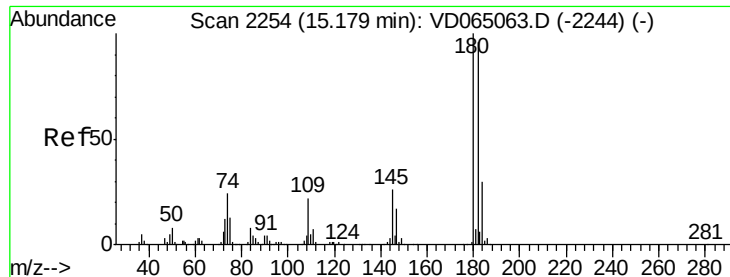
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.7	59.1
148	63.8	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.133 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.4	130.1
157	114.9	55.8	167.3

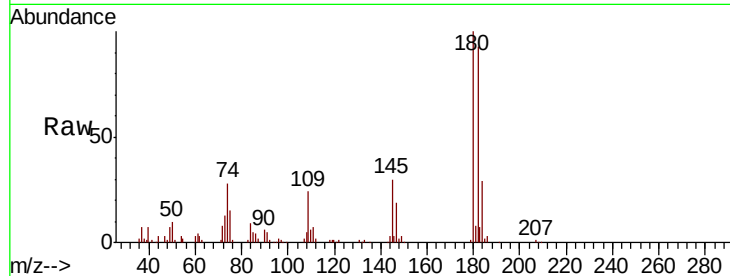




#93
 1,2,4-Trichlorobenzene
 Concen: 20.685 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.4	142.3
145	28.0	14.1	42.4

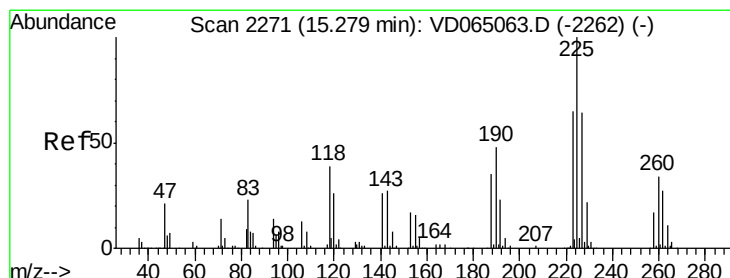
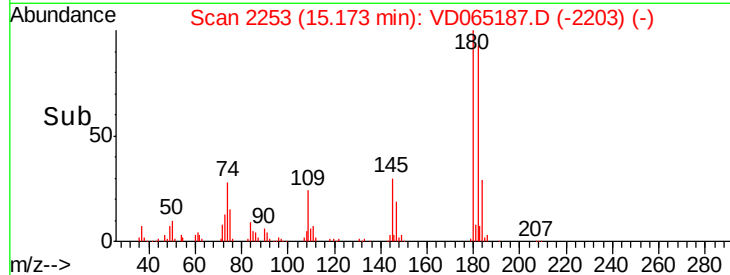
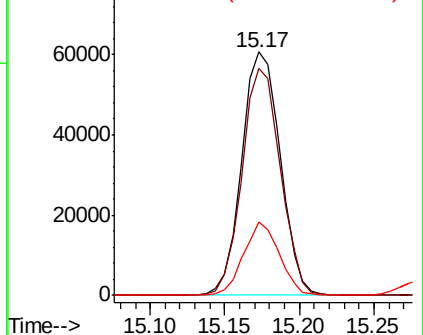


Abundance

Ion 179.80 (179.50 to 180.50): V

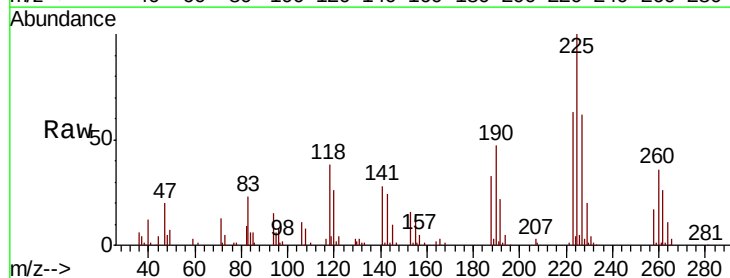
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.092 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065187.D
 Acq: 14 Feb 2020 14:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.4	94.0
227	63.8	31.8	95.3

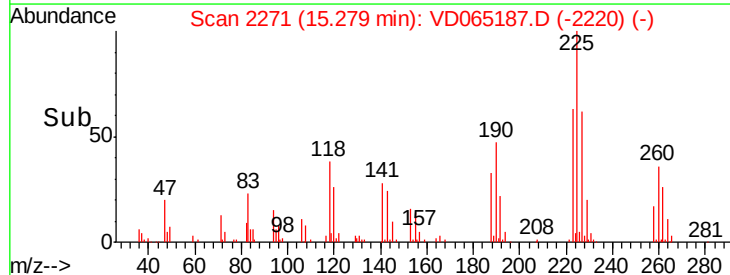
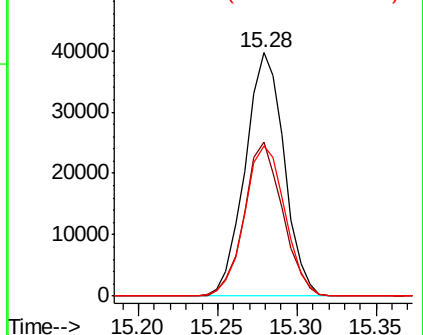


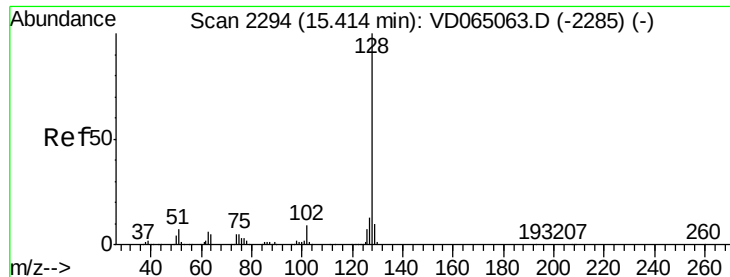
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

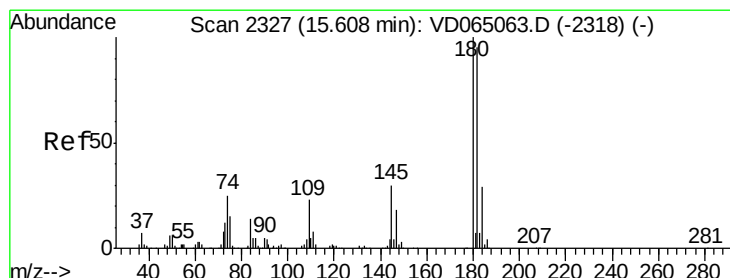
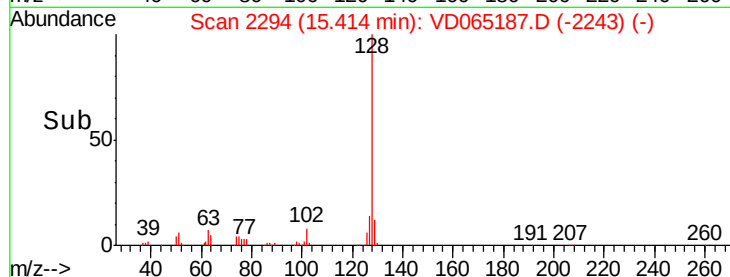
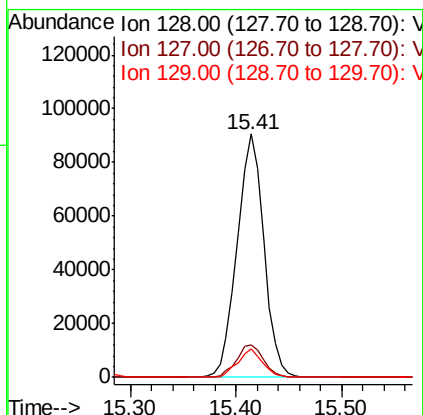
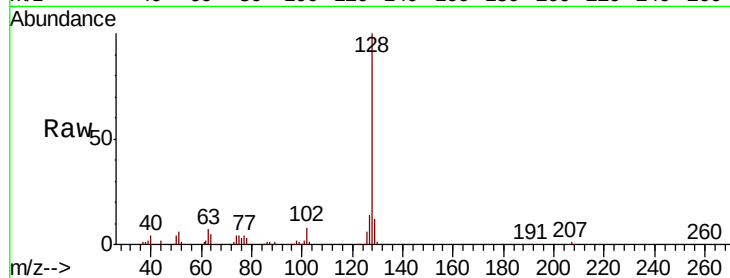




#95
Naphthalene
Concen: 18.228 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 158738
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.231 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065187.D
Acq: 14 Feb 2020 14:53

Tgt Ion:180 Resp: 90668
Ion Ratio Lower Upper
180 100
182 94.2 47.1 141.4
145 30.5 14.9 44.9

