

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065078.D
 Acq On : 06 Feb 2020 10:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:06:22 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	467510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	679196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	604159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294000	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	219657	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
35) Dibromofluoromethane	7.92	113	221307	58.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.80%	
50) Toluene-d8	10.34	98	868164	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	
62) 4-Bromofluorobenzene	12.64	95	268415	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	206964	53.198	ug/l	94
3) Chloromethane	2.21	50	249799	54.545	ug/l	94
4) Vinyl Chloride	2.35	62	272799	56.324	ug/l	99
5) Bromomethane	2.77	94	165233	52.615	ug/l	96
6) Chloroethane	2.93	64	166629	55.462	ug/l	99
7) Trichlorofluoromethane	3.27	101	399274	56.647	ug/l	98
8) Diethyl Ether	3.71	74	97530	48.200	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	222130	51.551	ug/l	98
10) Methyl Iodide	4.30	142	243051	49.419	ug/l	98
11) Tert butyl alcohol	5.26	59	52403	215.853	ug/l	99
12) 1,1-Dichloroethene	4.06	96	207388	50.254	ug/l	92
13) Acrolein	3.92	56	74301	248.829	ug/l	100
14) Allyl chloride	4.71	41	344540	50.234	ug/l	98
15) Acrylonitrile	5.43	53	213473	241.311	ug/l	99
16) Acetone	4.17	43	257025	258.725	ug/l	100
17) Carbon Disulfide	4.40	76	698350	52.705	ug/l	99
18) Methyl Acetate	4.72	43	97335	46.896	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	438245	48.023	ug/l	99
20) Methylene Chloride	4.97	84	224223	51.368	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	238714	51.128	ug/l	97
22) Diisopropyl ether	6.37	45	662372	51.200	ug/l	96
23) Vinyl Acetate	6.31	43	1825588	253.172	ug/l	98
24) 1,1-Dichloroethane	6.27	63	405052	51.727	ug/l	99
25) 2-Butanone	7.22	43	292302	246.666	ug/l	98
26) 2,2-Dichloropropane	7.21	77	372811	53.117	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	250690	50.540	ug/l	99
28) Bromochloromethane	7.55	49	167689	56.492	ug/l	98
29) Tetrahydrofuran	7.57	42	175946	245.522	ug/l	97
30) Chloroform	7.71	83	408308	52.367	ug/l	93
31) Cyclohexane	7.98	56	392396	49.642	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	381259	52.493	ug/l	99
36) 1,1-Dichloropropene	8.11	75	337127	53.381	ug/l	99
37) Ethyl Acetate	7.30	43	125446	48.620	ug/l	99
38) Carbon Tetrachloride	8.10	117	344884	53.469	ug/l	98

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Quant Time: Feb 07 06:06:22 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	416734	53.459	ug/l	96
40) Benzene	8.36	78	928039	53.213	ug/l	97
41) Methacrylonitrile	7.53	41	71069	49.998	ug/l	99
42) 1,2-Dichloroethane	8.43	62	256969	51.711	ug/l	99
43) Isopropyl Acetate	8.46	43	237931	48.207	ug/l	99
44) Trichloroethene	9.11	130	256298	51.199	ug/l	98
45) 1,2-Dichloropropane	9.39	63	222760	53.273	ug/l	95
46) Dibromomethane	9.48	93	114888	52.287	ug/l	96
47) Bromodichloromethane	9.67	83	307124	53.048	ug/l	99
48) Methyl methacrylate	9.46	41	113097	47.620	ug/l	99
49) 1,4-Dioxane	9.47	88	25651	985.634	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	601076	247.421	ug/l	99
52) Toluene	10.41	92	586445	52.686	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	284696	50.506	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	349821	51.889	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	151926	50.409	ug/l	97
56) Ethyl methacrylate	10.67	69	189025	49.569	ug/l	98
57) 1,3-Dichloropropane	10.96	76	269552	50.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	293369	237.129	ug/l	100
59) 2-Hexanone	10.99	43	457497	265.867	ug/l	100
60) Dibromochloromethane	11.14	129	203837	52.216	ug/l	99
61) 1,2-Dibromoethane	11.26	107	148793	50.526	ug/l	99
64) Tetrachloroethene	10.88	164	230148	53.015	ug/l	98
65) Chlorobenzene	11.68	112	602867	51.592	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	223040	51.716	ug/l	99
67) Ethyl Benzene	11.75	91	1131659	53.305	ug/l	98
68) m/p-Xylenes	11.86	106	876528	108.174	ug/l	100
69) o-Xylene	12.19	106	386257	52.935	ug/l	98
70) Styrene	12.20	104	679301	53.564	ug/l	100
71) Bromoform	12.37	173	117475	50.606	ug/l #	100
73) Isopropylbenzene	12.49	105	1062700	52.664	ug/l	100
74) N-amyl acetate	12.30	43	213153	48.598	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	156478	49.271	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	216191	97.126	ug/l #	100
77) Bromobenzene	12.77	156	244606	50.312	ug/l	98
78) n-propylbenzene	12.83	91	1269241	53.710	ug/l	99
79) 2-Chlorotoluene	12.92	91	675320	51.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	869674	52.680	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	54295	48.783	ug/l	100
82) 4-Chlorotoluene	13.01	91	714259	51.630	ug/l	99
83) tert-Butylbenzene	13.23	119	752023	52.802	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	873054	53.269	ug/l	99
85) sec-Butylbenzene	13.41	105	1046069	53.776	ug/l	100
86) p-Isopropyltoluene	13.53	119	982575	54.365	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	474054	52.078	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	465228	51.350	ug/l	98
89) n-Butylbenzene	13.86	91	899225	53.904	ug/l	99
90) Hexachloroethane	14.13	117	181611	53.065	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	398265	51.080	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24343	46.955	ug/l	94

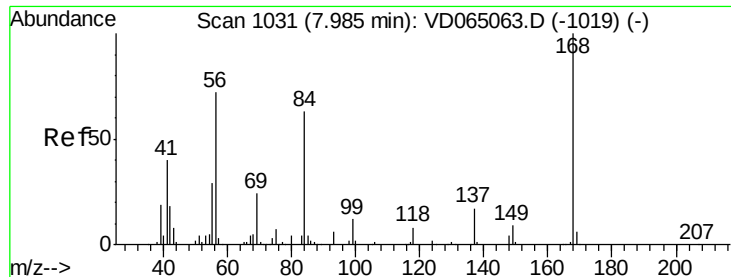
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020620\
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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	269618	48.382	ug/l	99
94) Hexachlorobutadiene	15.28	225	177135	51.695	ug/l	99
95) Naphthalene	15.42	128	437230	47.205	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	236132	49.538	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

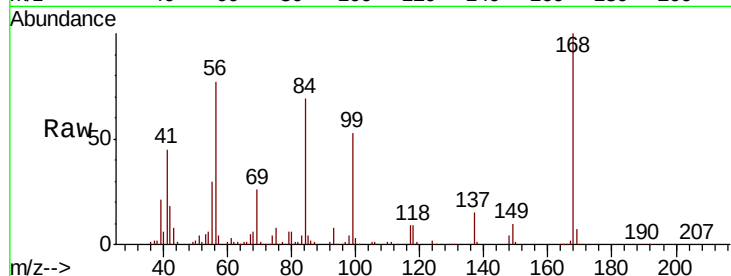
ClientSampleId :

Tot Ion:168 Resp: 467510

Ion Ratio Lower Upper

168 100

99 52.3 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

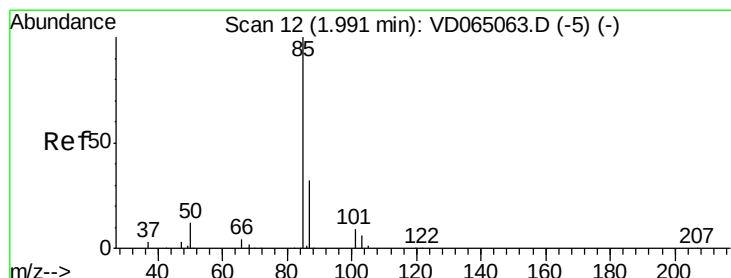
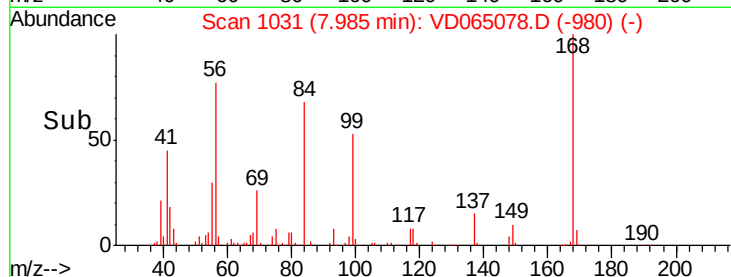
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.198 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065078.D

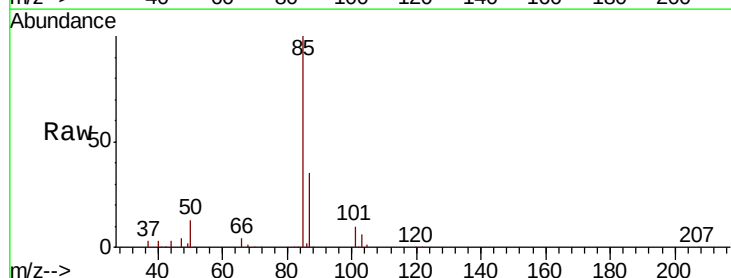
Acq: 06 Feb 2020 10:53

Tgt Ion: 85 Resp: 206964

Ion Ratio Lower Upper

85 100

87 34.6 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

150000

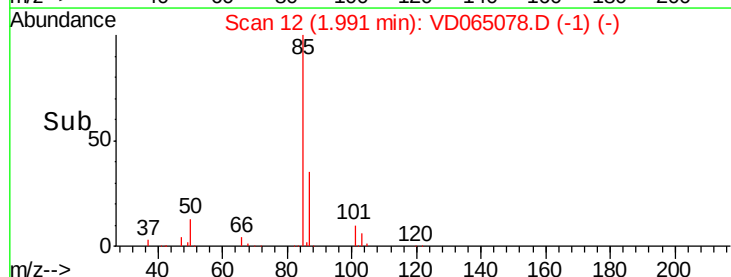
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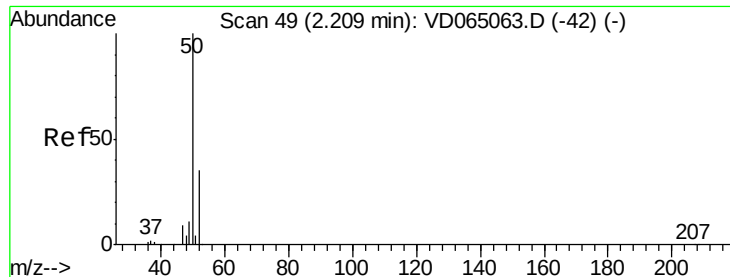
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 54.545 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

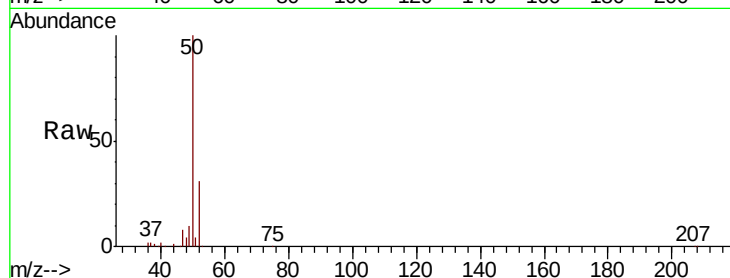
ClientSampleId :

Tot Ion: 50 Resp: 249799

Ion Ratio Lower Upper

50 100

52 31.2 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

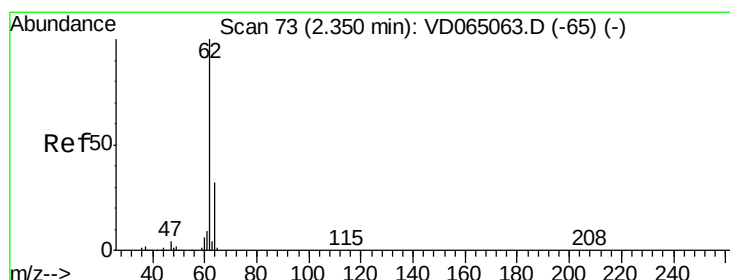
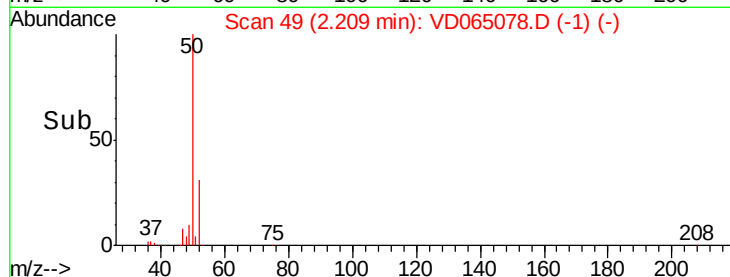
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 56.324 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065078.D

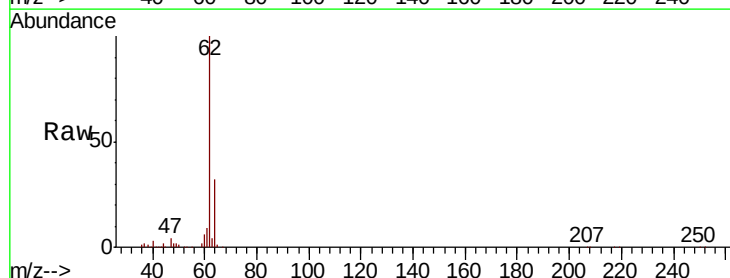
Acq: 06 Feb 2020 10:53

Tgt Ion: 62 Resp: 272799

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

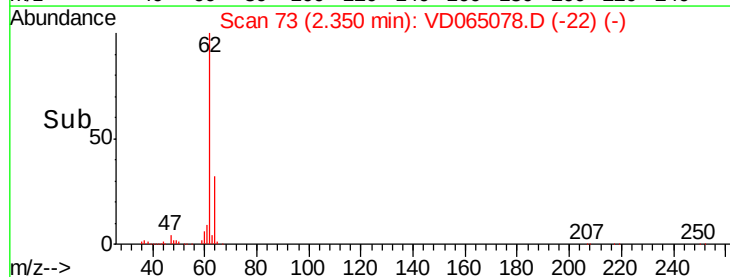
150000

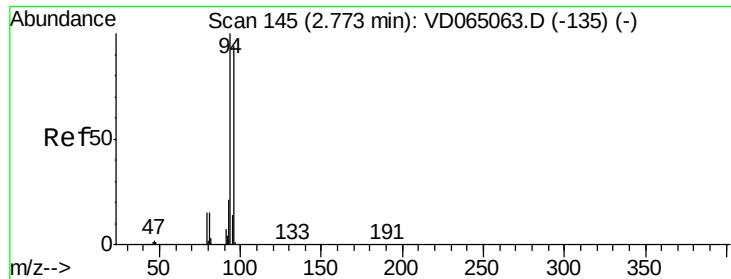
100000

50000

0

Time-->





#5

Bromomethane

Concen: 52.615 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

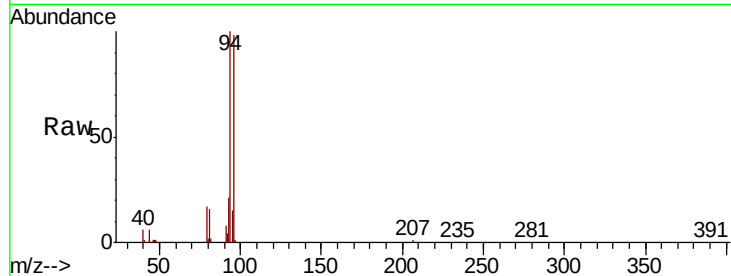
ClientSampleId :

Tot Ion: 94 Resp: 165233

Ion Ratio Lower Upper

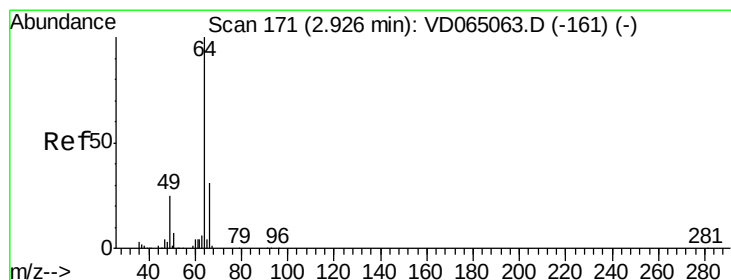
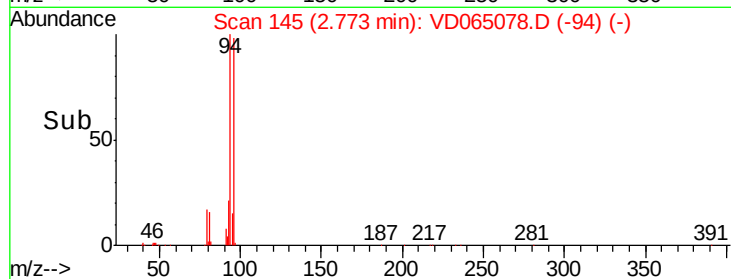
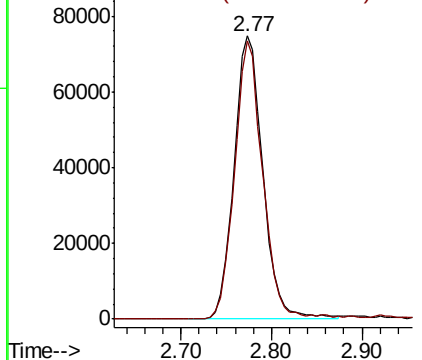
94 100

96 98.0 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 55.462 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065078.D

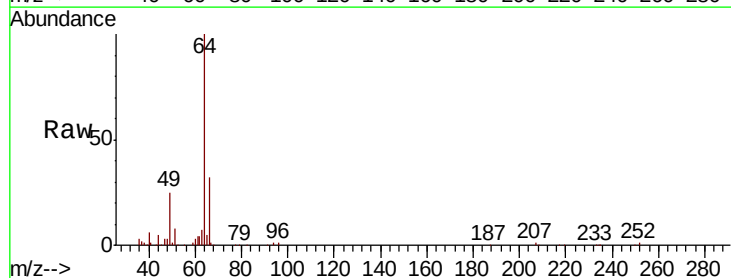
Acq: 06 Feb 2020 10:53

Tgt Ion: 64 Resp: 166629

Ion Ratio Lower Upper

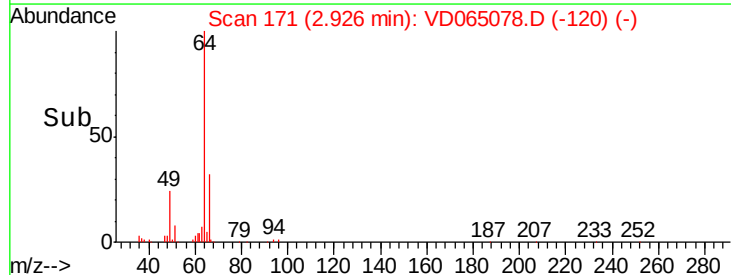
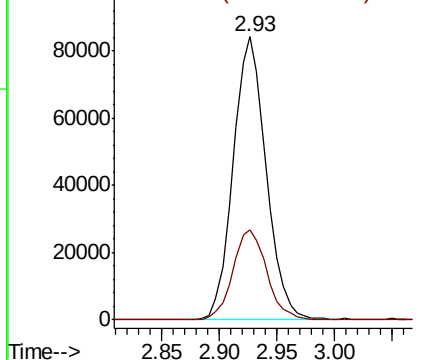
64 100

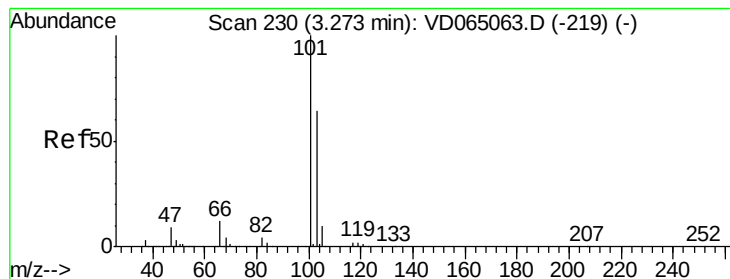
66 31.7 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



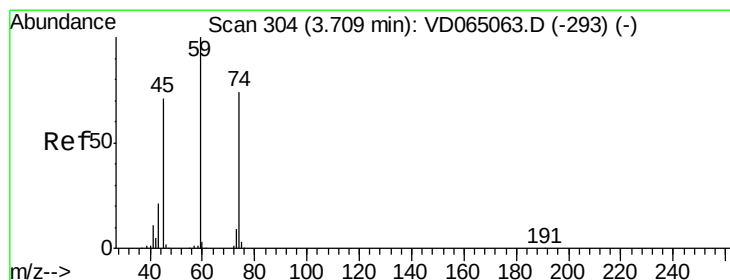
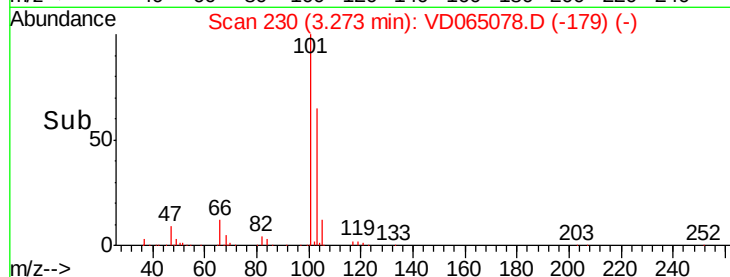
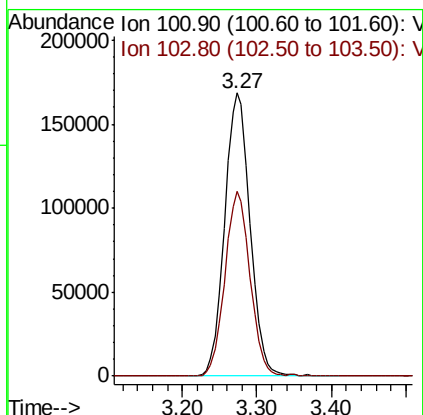
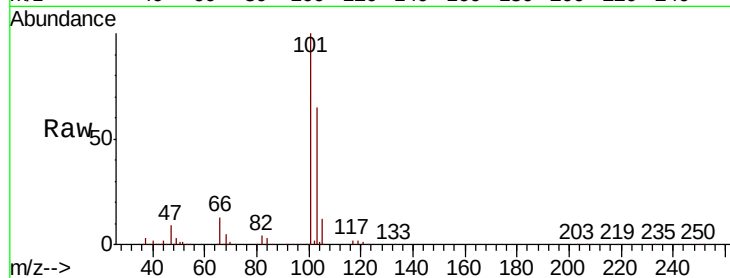


#7

Trichlorofluoromethane
Concen: 56.647 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065078.D
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Instrument :
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ClientSampleId :

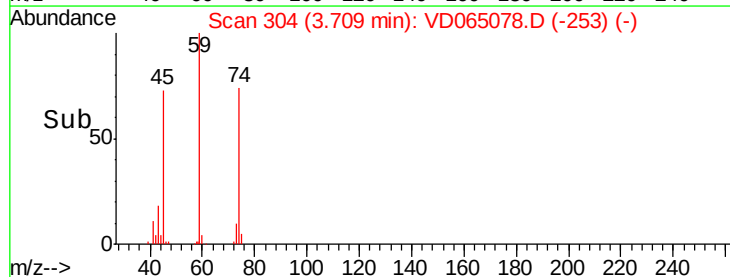
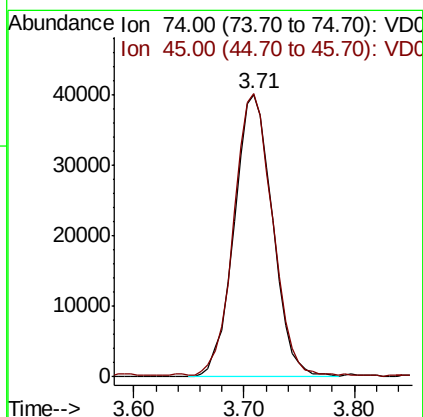
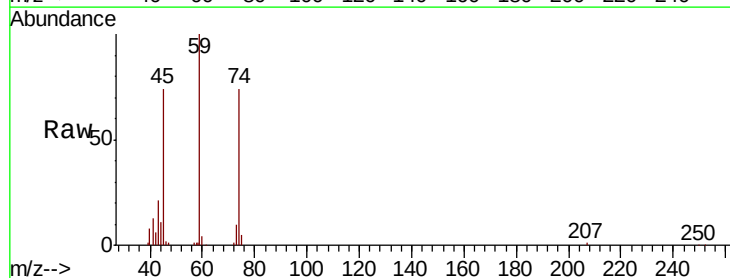
Tot Ion:101 Resp: 399274
Ion Ratio Lower Upper
101 100
103 65.1 51.0 76.6

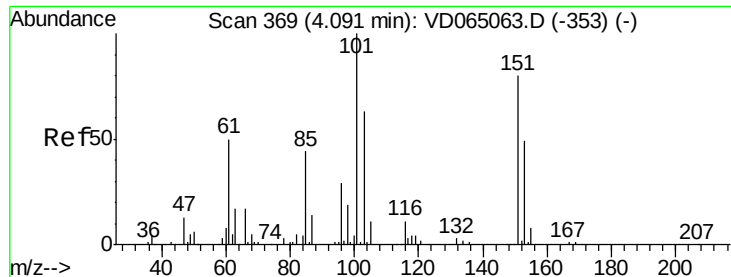


#8

Diethyl Ether
Concen: 48.200 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 74 Resp: 97530
Ion Ratio Lower Upper
74 100
45 101.1 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.551 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

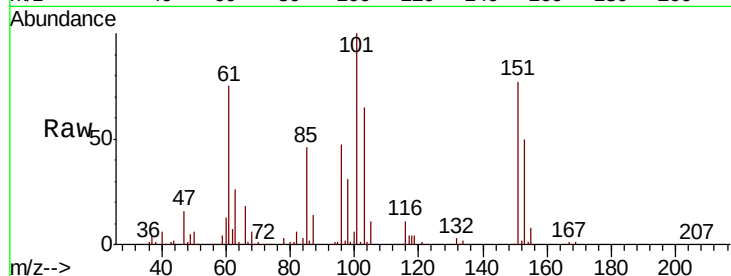
Tot Ion:101 Resp: 222130

Ion Ratio Lower Upper

101 100

85 45.0 34.0 51.0

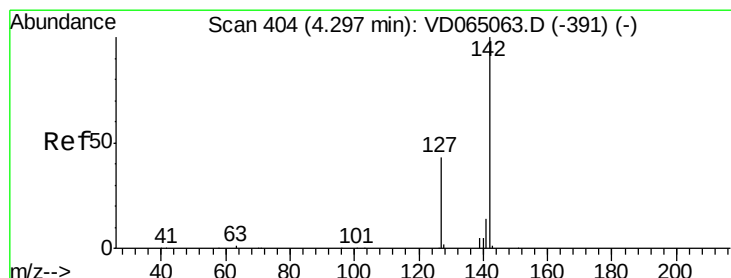
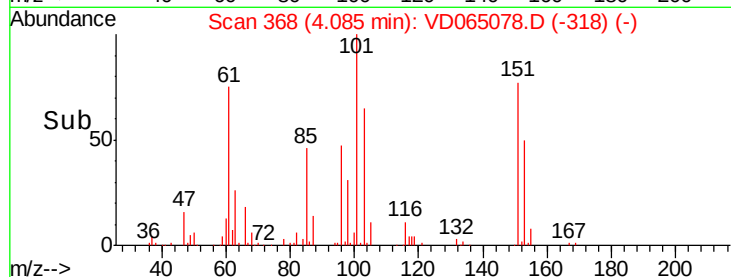
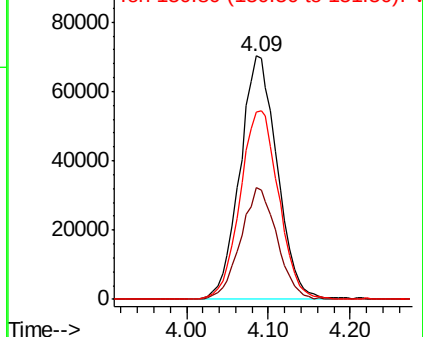
151 80.2 64.0 96.0



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: 49.419 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

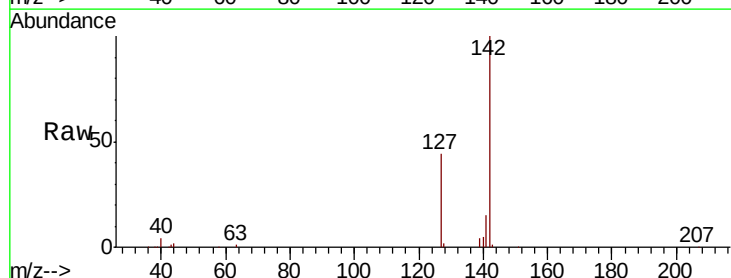
Tgt Ion:142 Resp: 243051

Ion Ratio Lower Upper

142 100

127 44.0 34.0 51.0

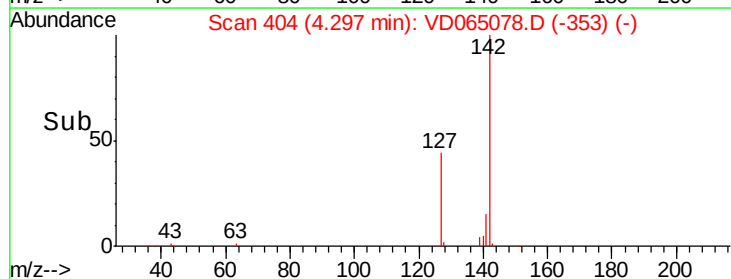
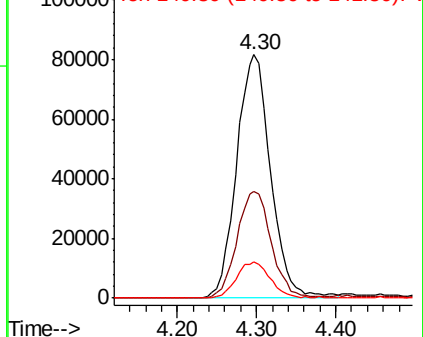
141 14.9 11.6 17.4

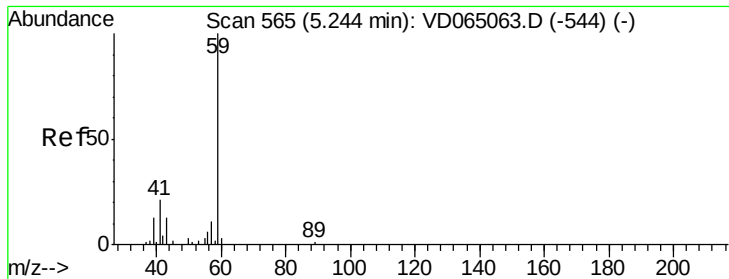


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



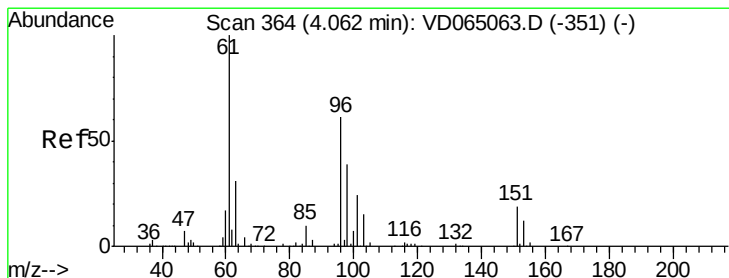
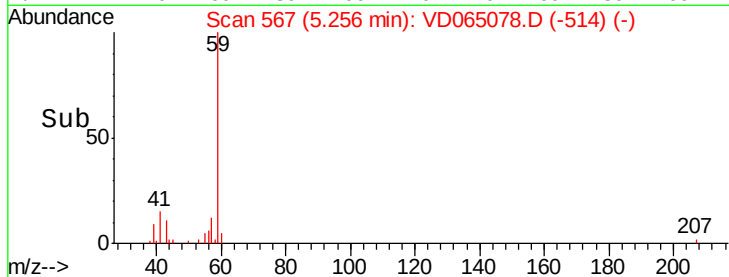
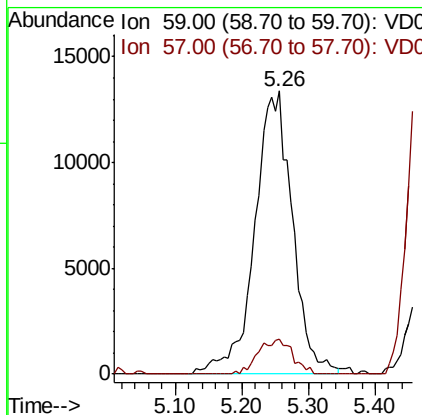
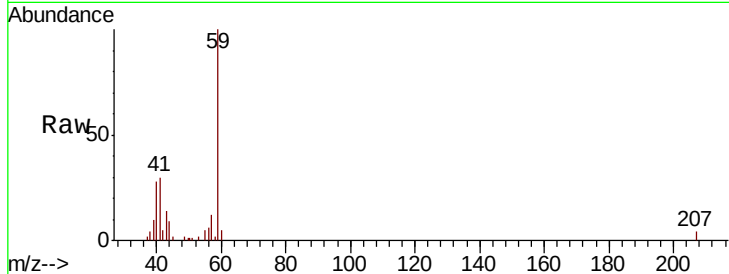


#11

Tert butyl alcohol
 Concen: 215.853 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :

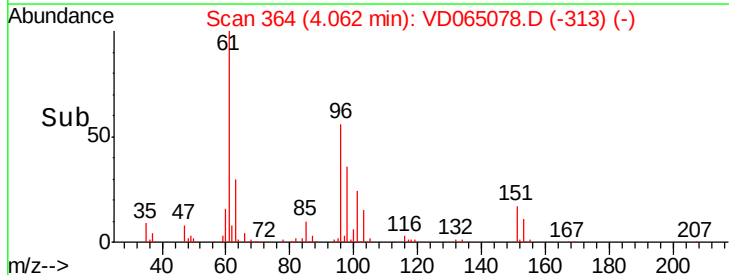
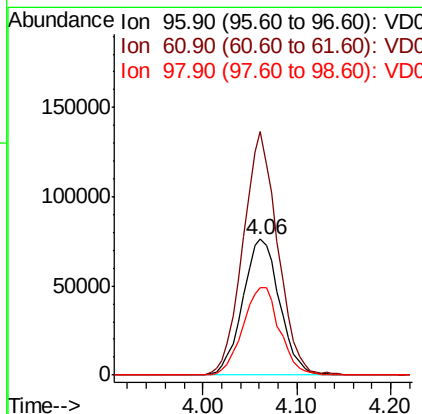
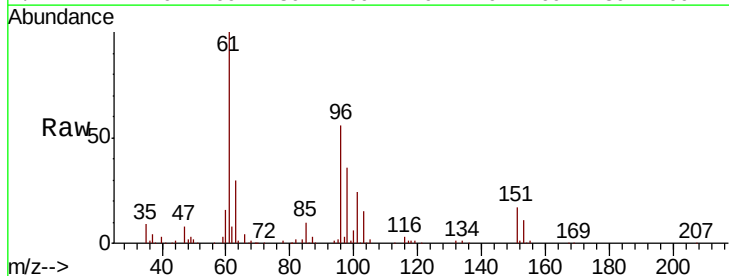
Tot Ion: 59 Resp: 52403
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.8 13.2

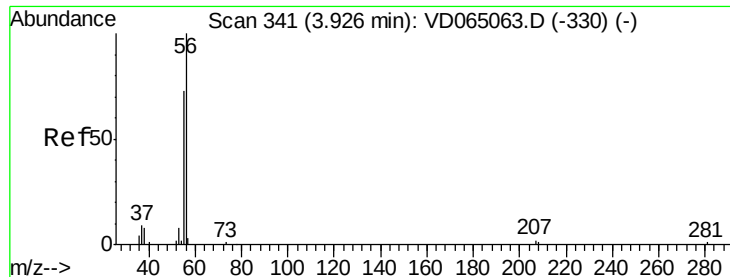


#12

1,1-Dichloroethene
 Concen: 50.254 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion: 96 Resp: 207388
 Ion Ratio Lower Upper
 96 100
 61 179.5 131.4 197.2
 98 64.4 51.1 76.7

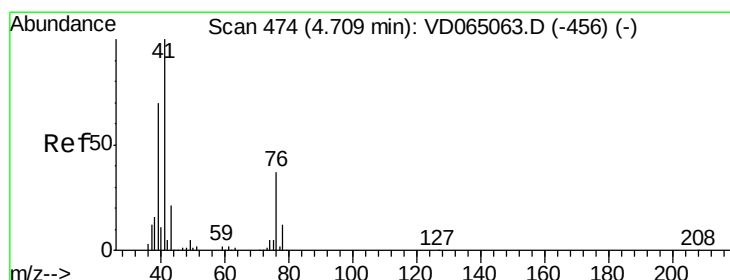
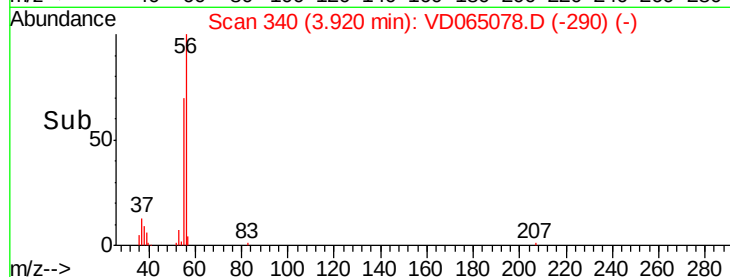
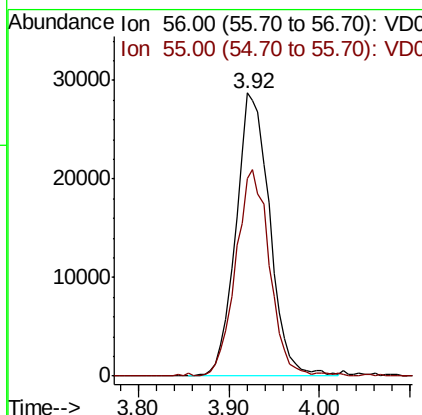
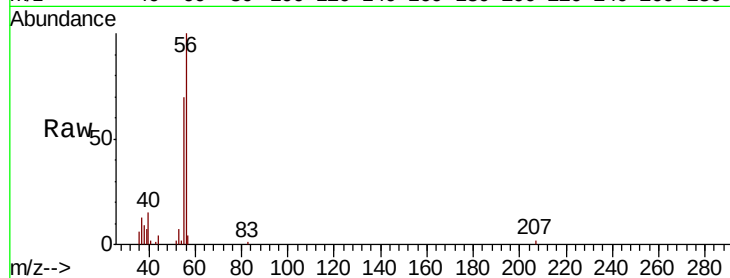




#13
 Acrolein
 Concen: 248.829 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

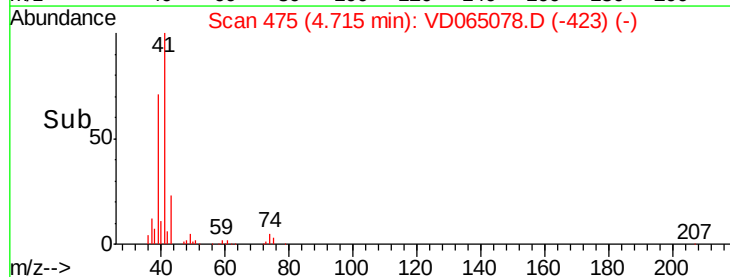
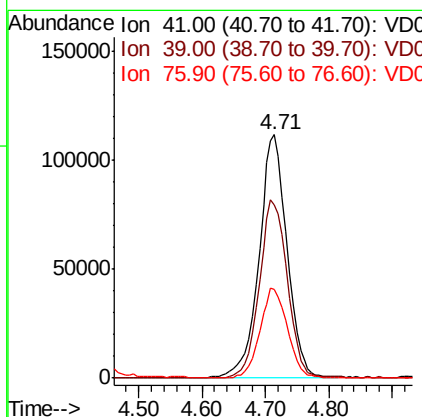
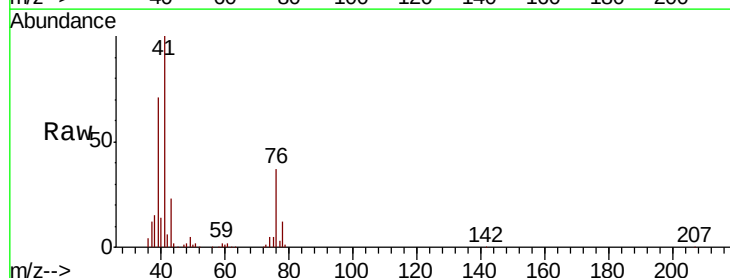
Instrument :
 MSVOA_D
 ClientSampleId :

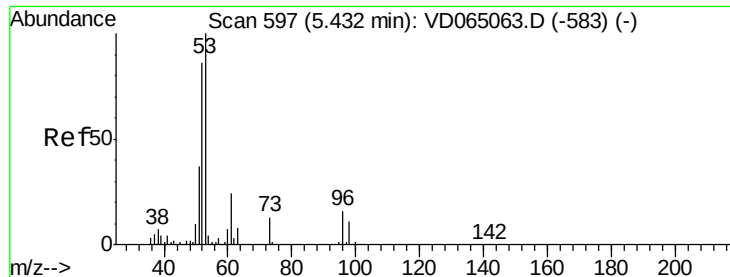
Tot Ion: 56 Resp: 74301
 Ion Ratio Lower Upper
 56 100
 55 72.4 58.2 87.2



#14
 Allyl chloride
 Concen: 50.234 ug/l
 RT: 4.71 min Scan# 475
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion: 41 Resp: 344540
 Ion Ratio Lower Upper
 41 100
 39 73.3 57.1 85.7
 76 35.9 28.0 42.0





#15

Acrylonitrile

Concen: 241.311 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

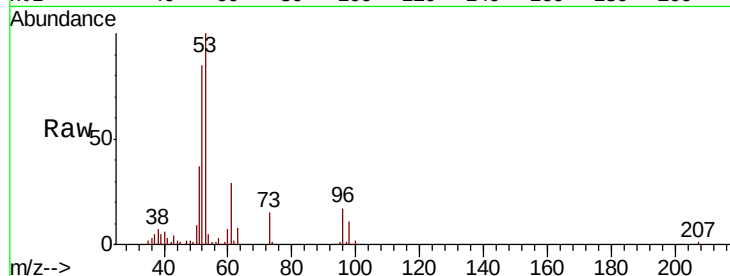
Tot Ion: 53 Resp: 213473

Ion Ratio Lower Upper

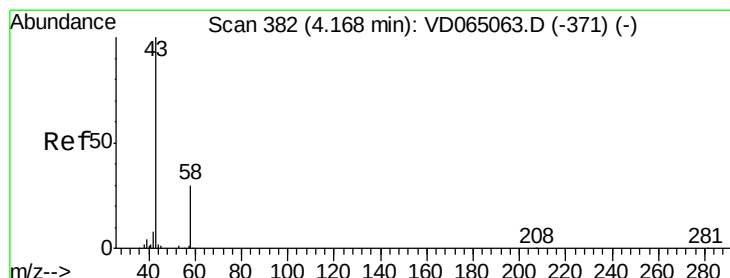
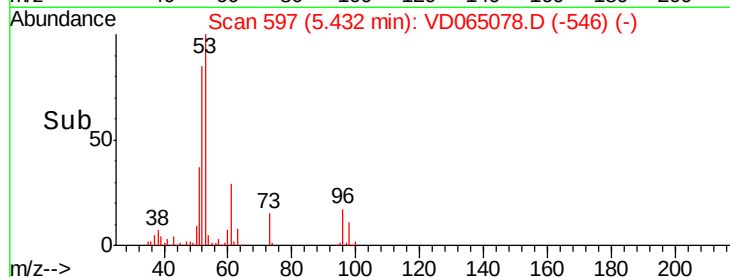
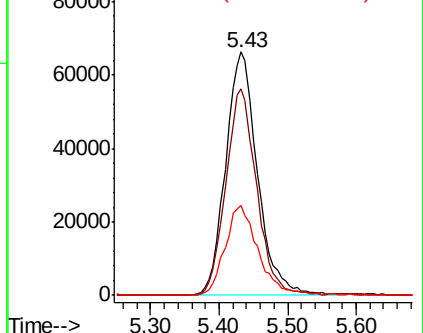
53 100

52 82.1 66.2 99.2

51 38.3 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: 258.725 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065078.D

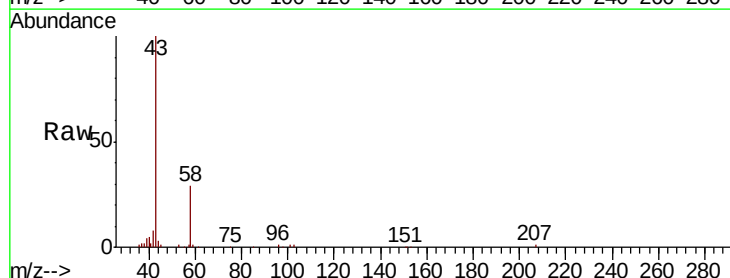
Acq: 06 Feb 2020 10:53

Tgt Ion: 43 Resp: 257025

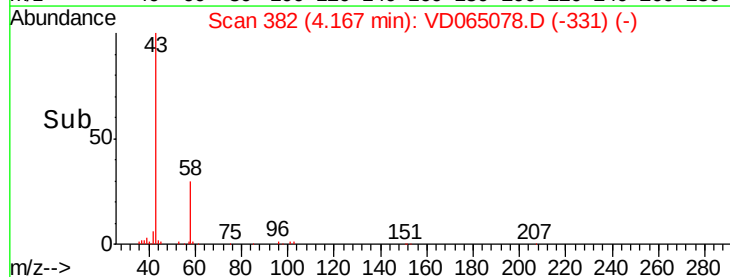
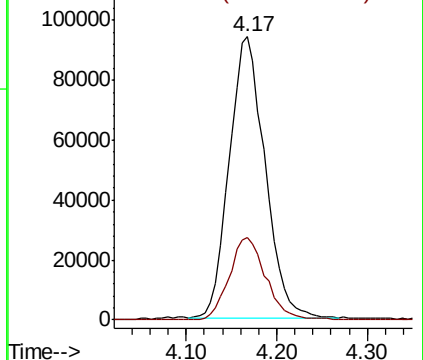
Ion Ratio Lower Upper

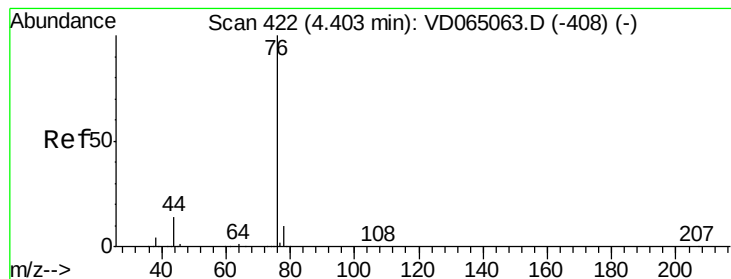
43 100

58 29.5 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: 52.705 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

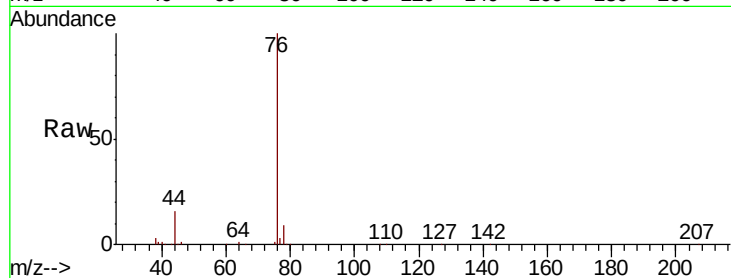
ClientSampled :

Tot Ion: 76 Resp: 698350

Ion Ratio Lower Upper

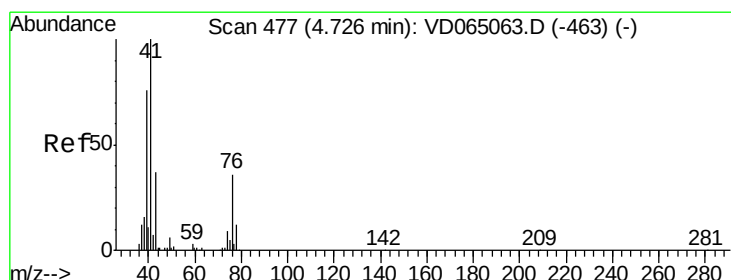
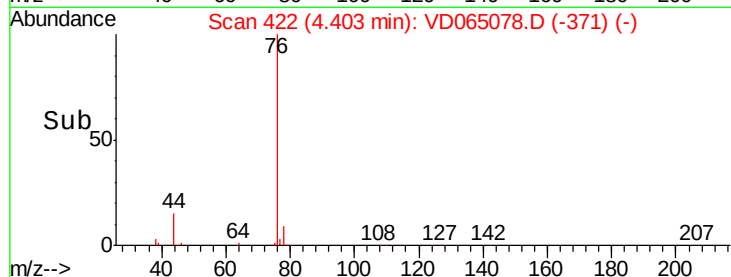
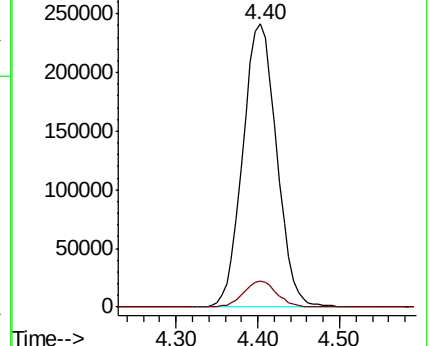
76 100

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: 46.896 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065078.D

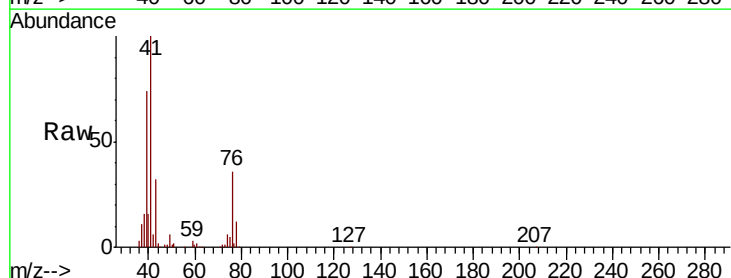
Acq: 06 Feb 2020 10:53

Tgt Ion: 43 Resp: 97335

Ion Ratio Lower Upper

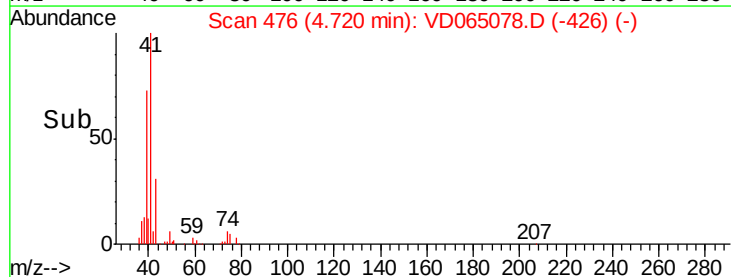
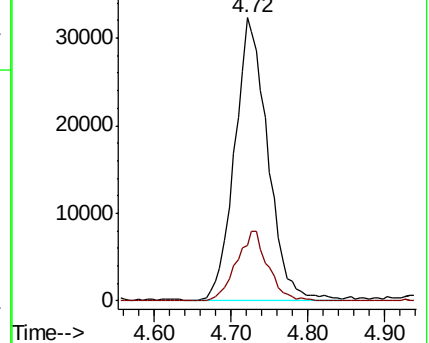
43 100

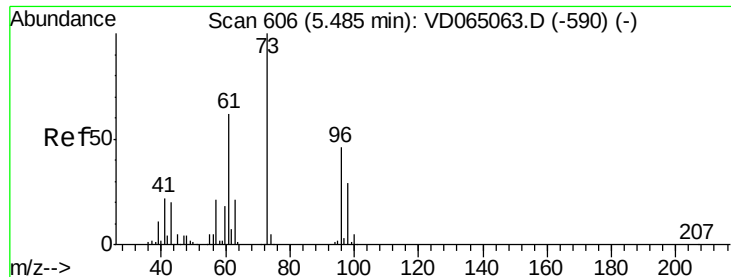
74 23.3 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



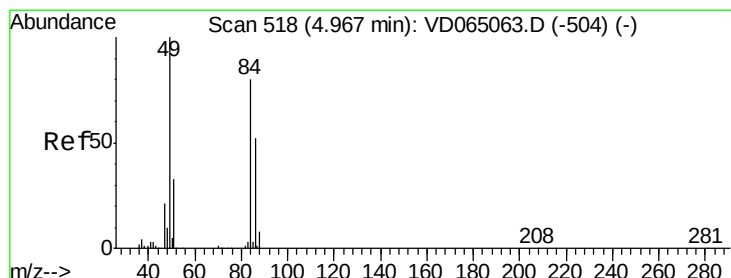
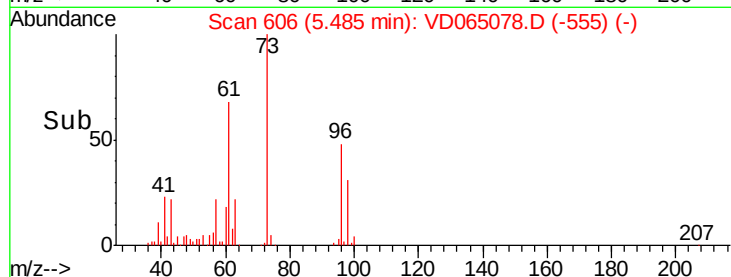
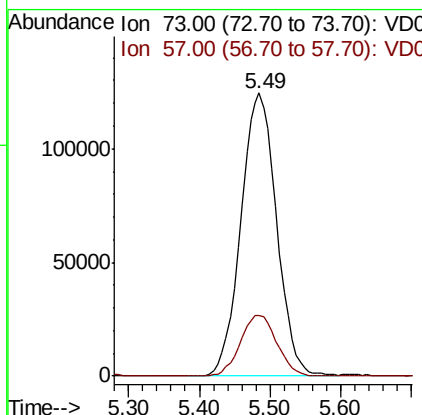
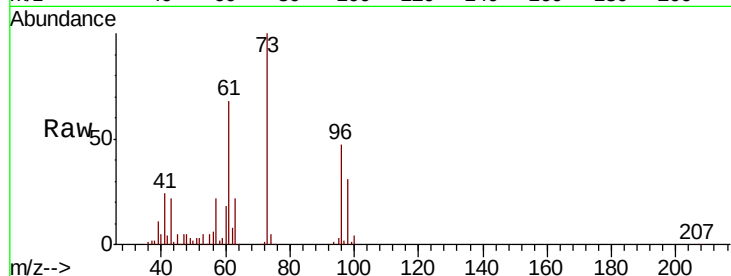


#19

Methyl tert-butyl Ether
 Concen: 48.023 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :

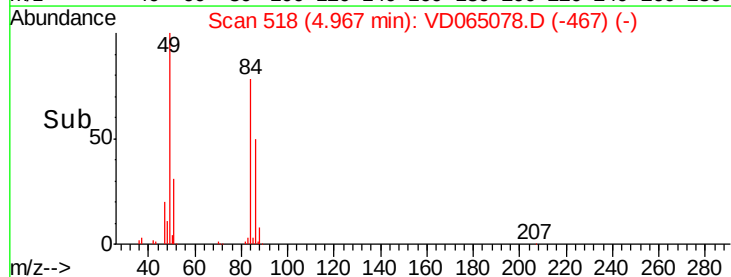
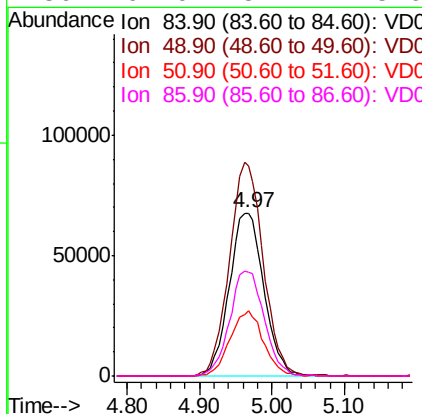
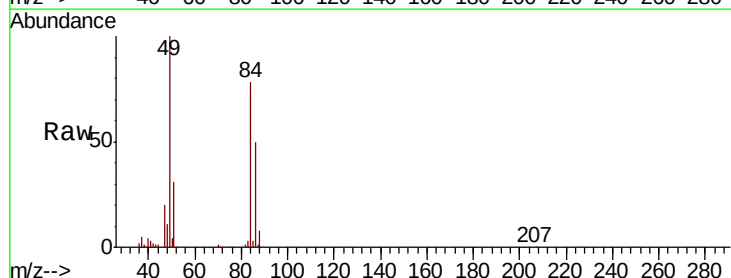
Tot Ion: 73 Resp: 438245
 Ion Ratio Lower Upper
 73 100
 57 21.6 16.8 25.2

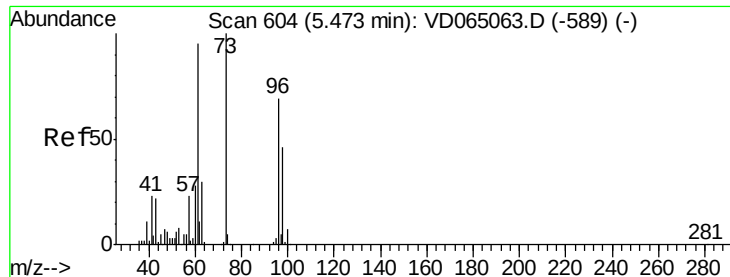


#20

Methylene Chloride
 Concen: 51.368 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion: 84 Resp: 224223
 Ion Ratio Lower Upper
 84 100
 49 128.8 100.4 150.6
 51 40.2 32.7 49.1
 86 64.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 51.128 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampled :

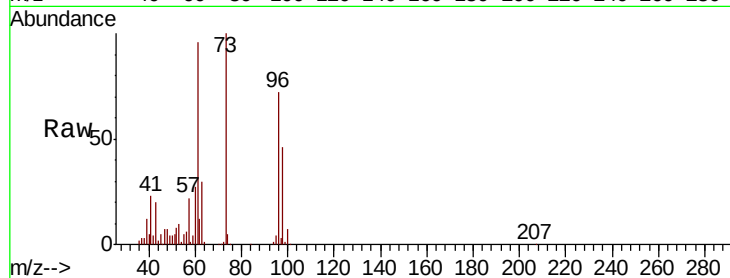
Tot Ion: 96 Resp: 238714

Ion Ratio Lower Upper

96 100

61 133.3 109.5 164.3

98 63.7 53.7 80.5

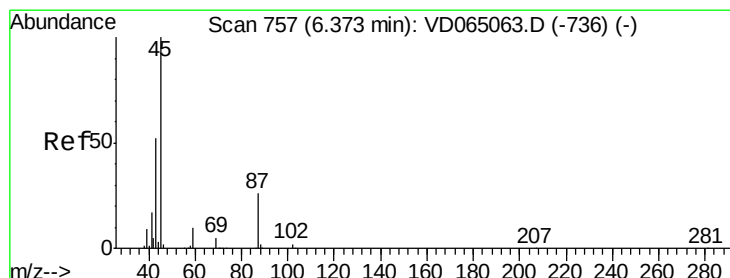
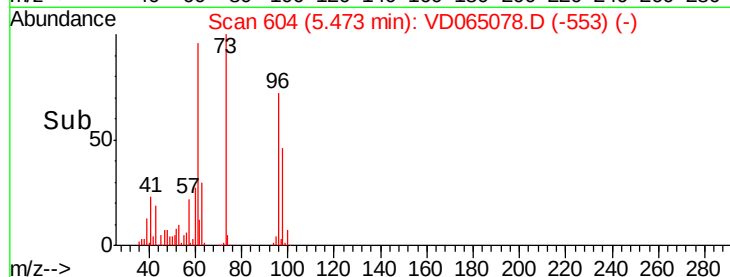
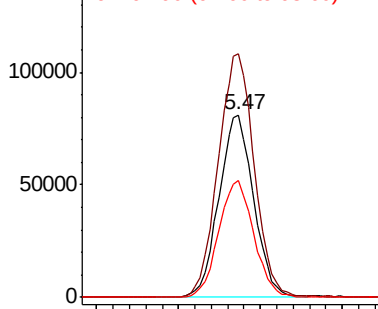


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 51.200 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Tgt Ion: 45 Resp: 662372

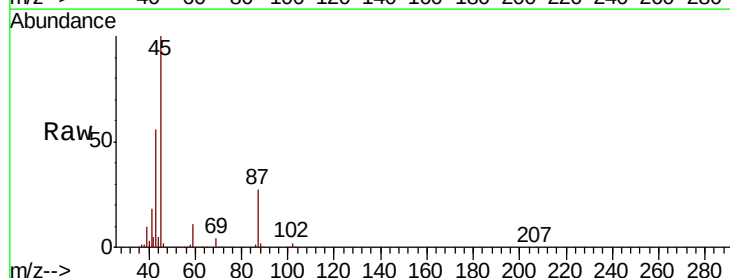
Ion Ratio Lower Upper

45 100

43 54.9 41.3 61.9

87 27.3 21.0 31.6

59 10.7 8.2 12.4



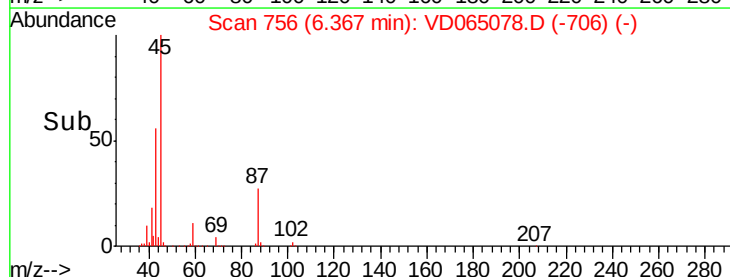
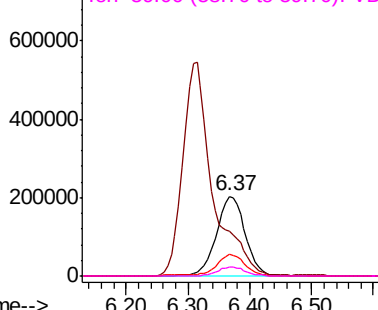
Abundance

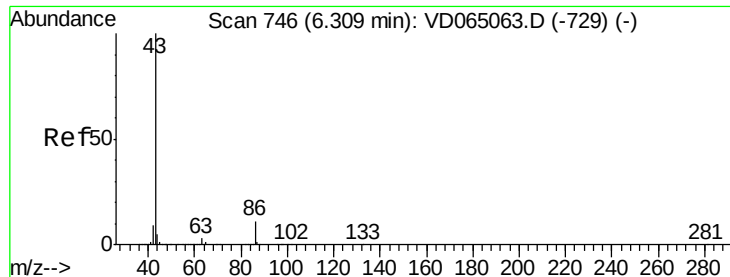
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 253.172 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

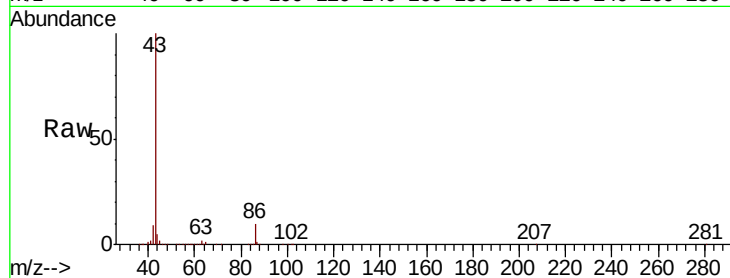
ClientSampleId :

Tot Ion: 43 Resp: 1825588

Ion Ratio Lower Upper

43 100

86 10.0 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

600000

500000

400000

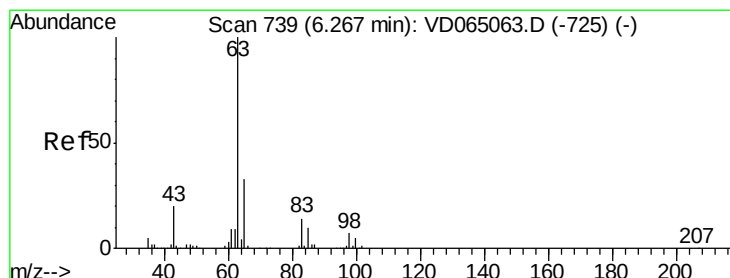
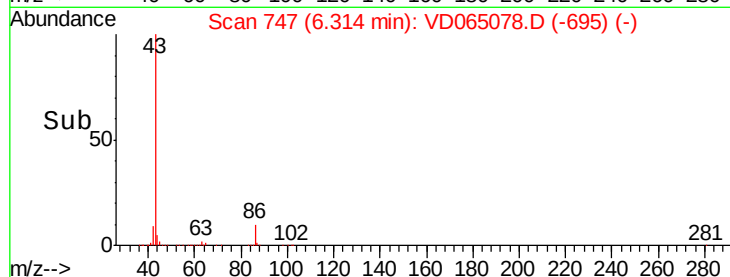
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.727 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

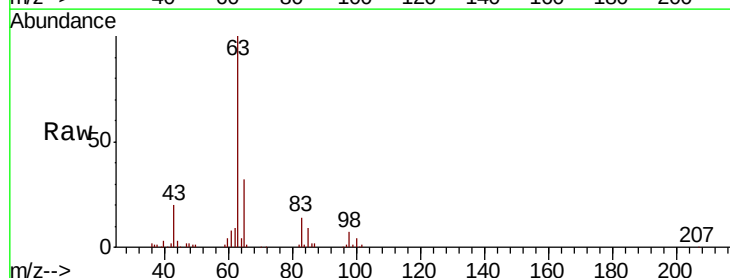
Tgt Ion: 63 Resp: 405052

Ion Ratio Lower Upper

63 100

98 6.8 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

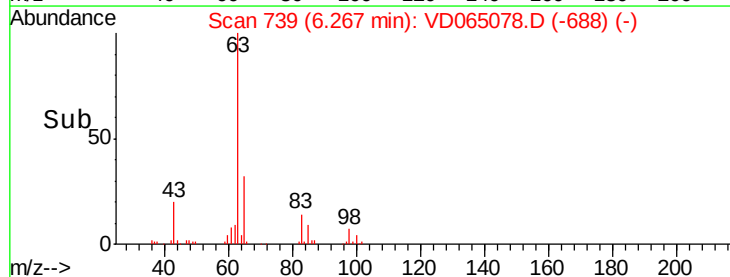
150000

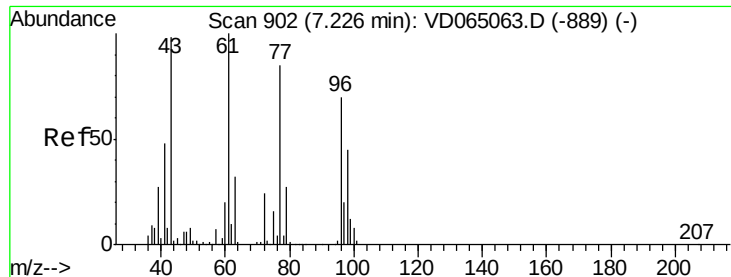
100000

50000

0

Time-->





#25

2-Butanone

Concen: 246.666 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

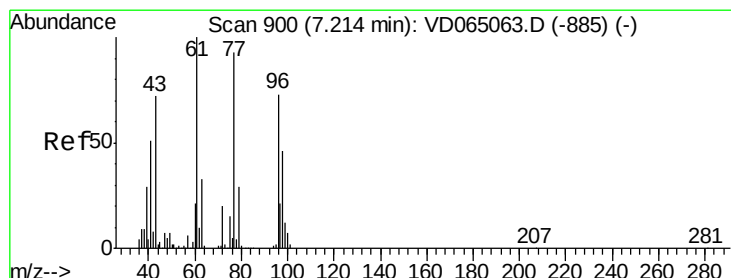
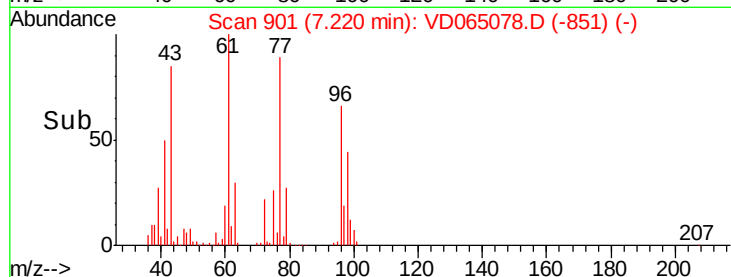
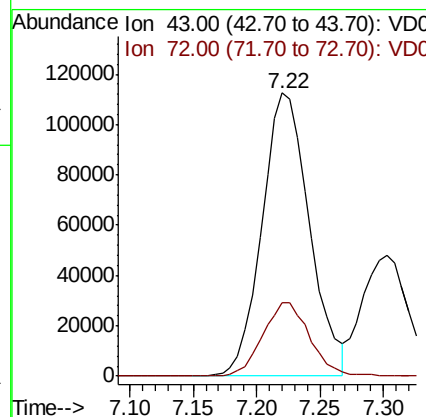
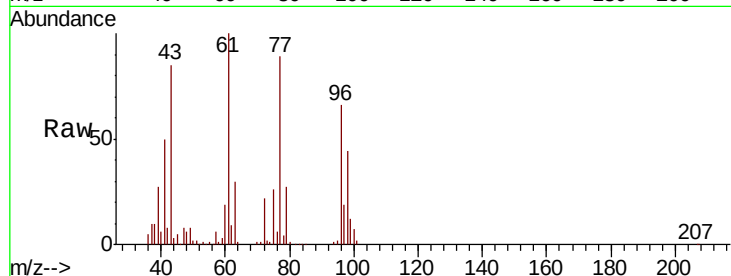
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 292302

Ion Ratio Lower Upper

43 100

72 25.9 19.9 29.9



#26

2,2-Dichloropropane

Concen: 53.117 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065078.D

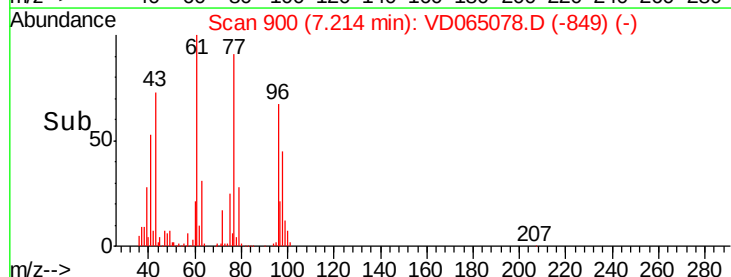
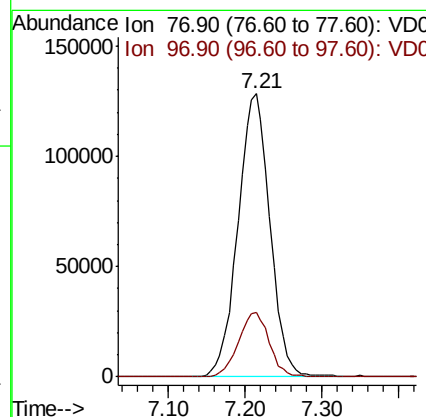
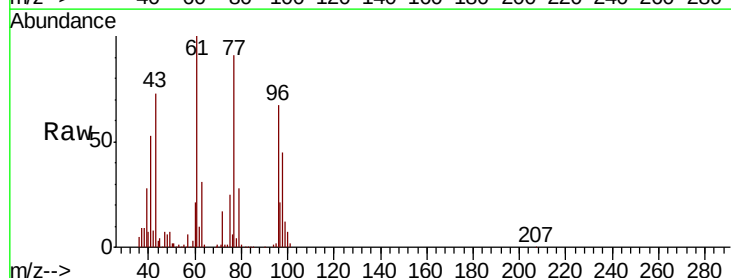
Acq: 06 Feb 2020 10:53

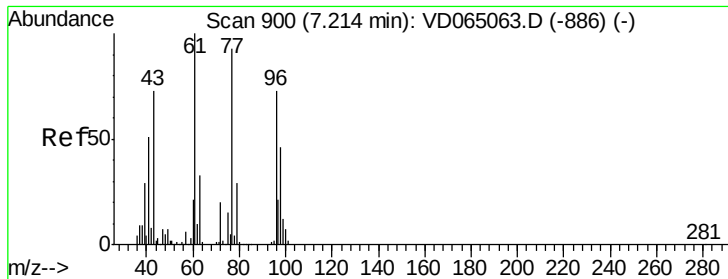
Tgt Ion: 77 Resp: 372811

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.6



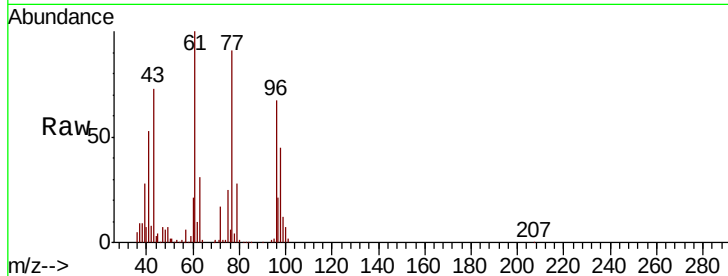


#27

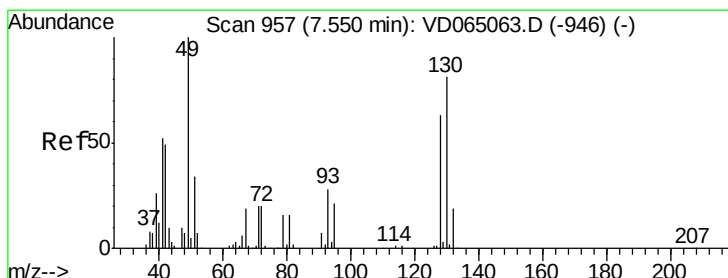
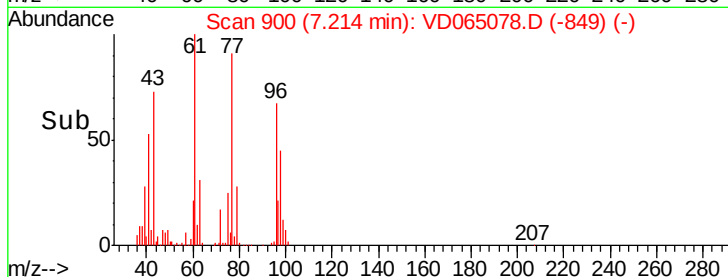
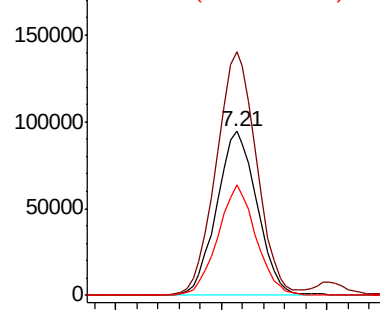
cis-1,2-Dichloroethene
Concen: 50.540 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	292.8
98	64.0	0.0	128.8



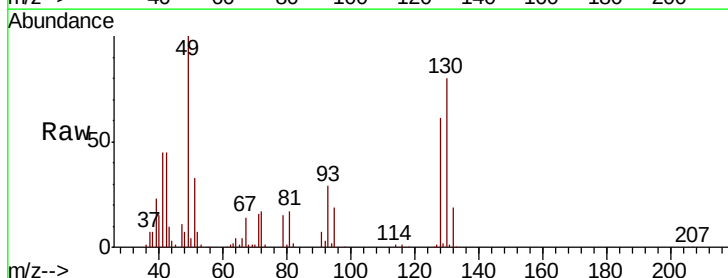
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



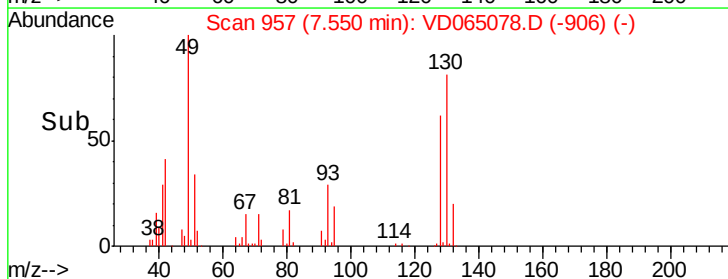
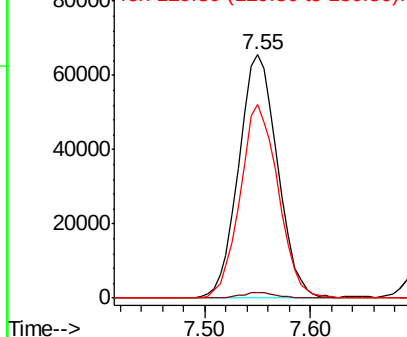
#28

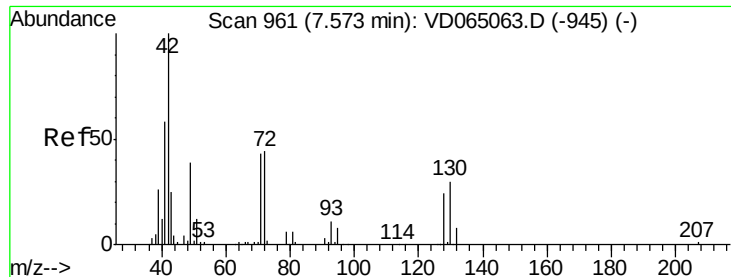
Bromochloromethane
Concen: 56.492 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	78.4	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

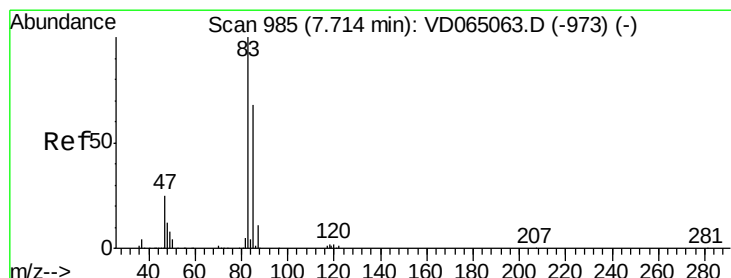
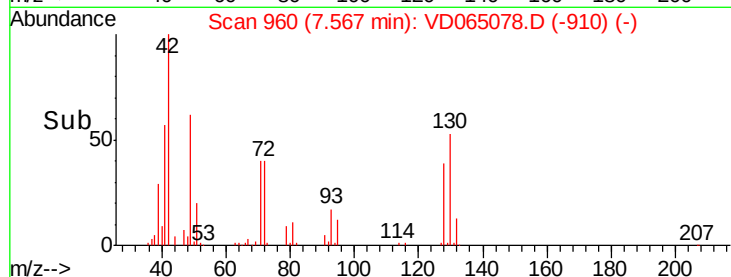
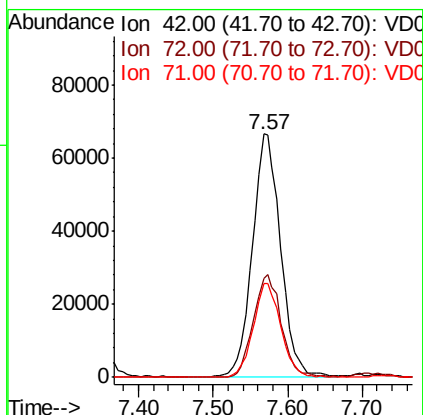
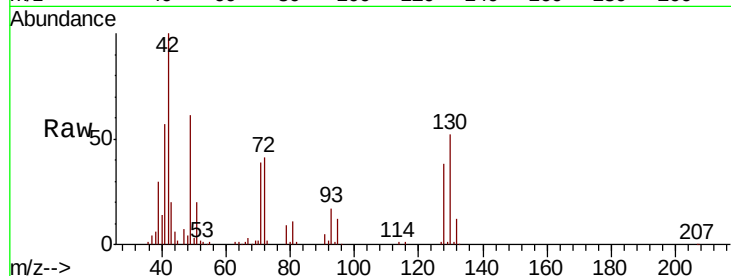




#29
Tetrahydrofuran
Concen: 245.522 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

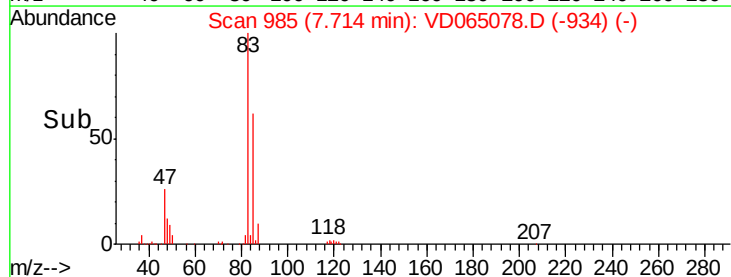
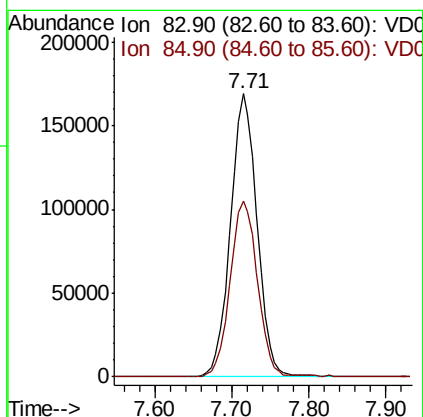
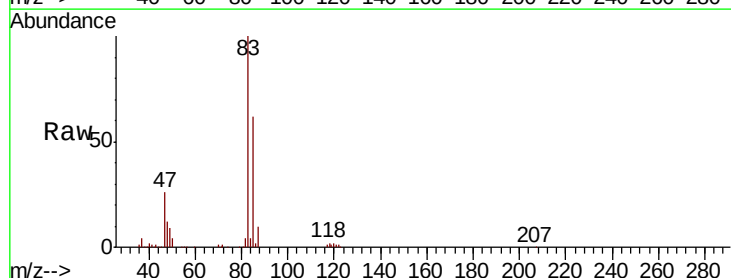
Instrument :
MSVOA_D
ClientSampled :

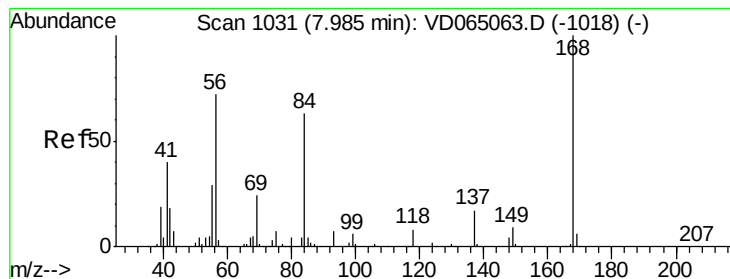
Tot Ion: 42 Resp: 175946
Ion Ratio Lower Upper
42 100
72 41.4 34.2 51.4
71 37.4 31.8 47.6



#30
Chloroform
Concen: 52.367 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 83 Resp: 408308
Ion Ratio Lower Upper
83 100
85 62.3 54.2 81.4





#31

Cyclohexane

Concen: 49.642 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

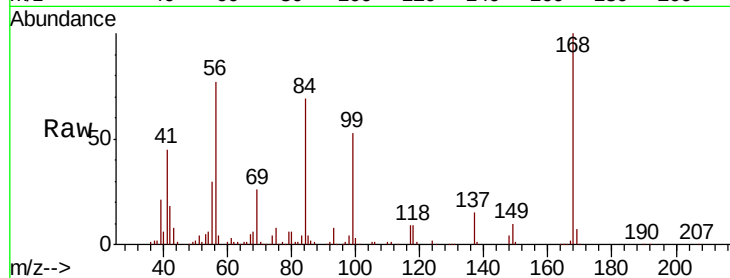
Tot Ion: 56 Resp: 392396

Ion Ratio Lower Upper

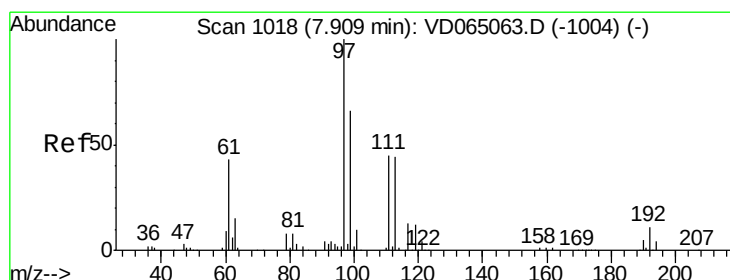
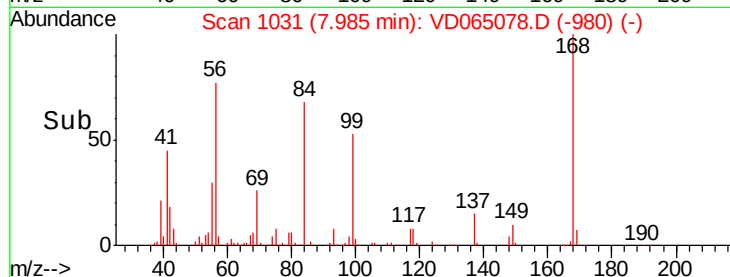
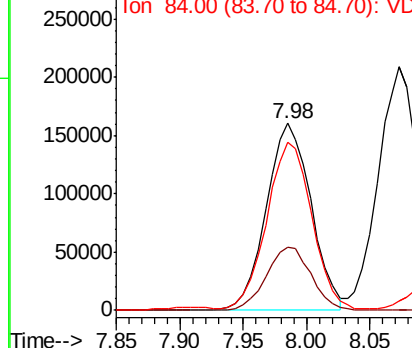
56 100

69 33.8 26.6 40.0

84 88.8 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: 52.493 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

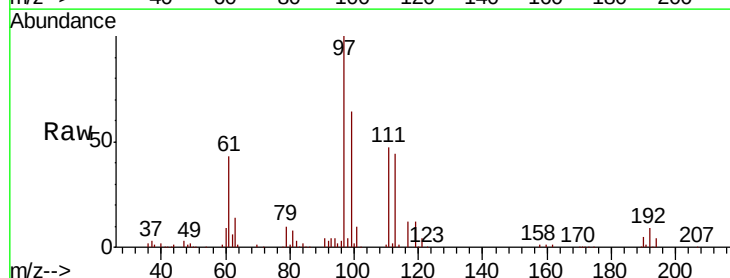
Tgt Ion: 97 Resp: 381259

Ion Ratio Lower Upper

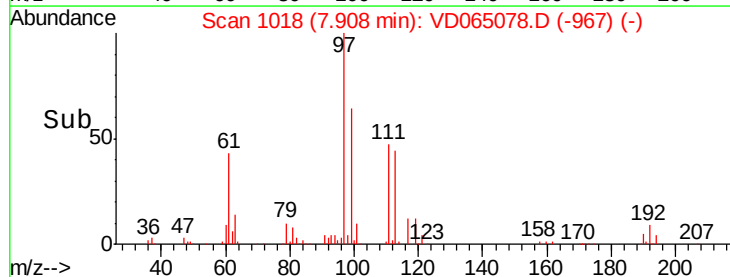
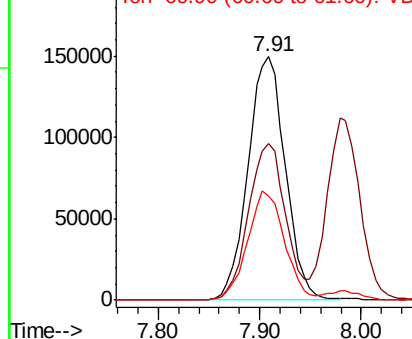
97 100

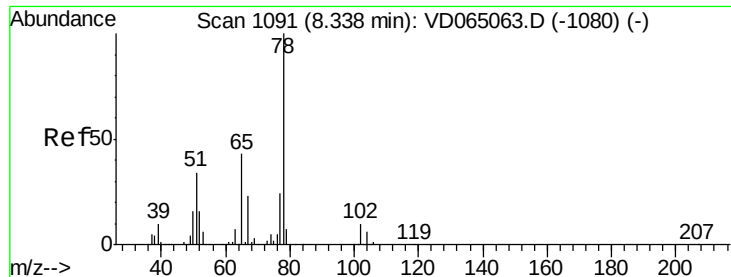
99 64.9 51.5 77.3

61 44.4 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

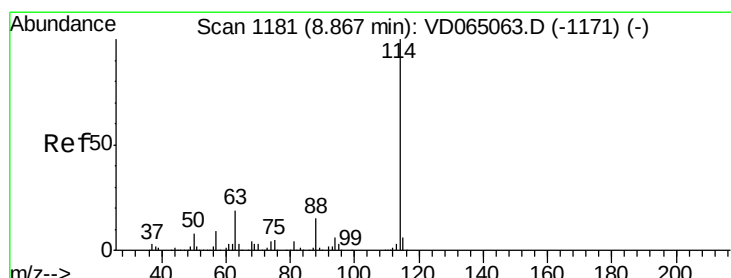
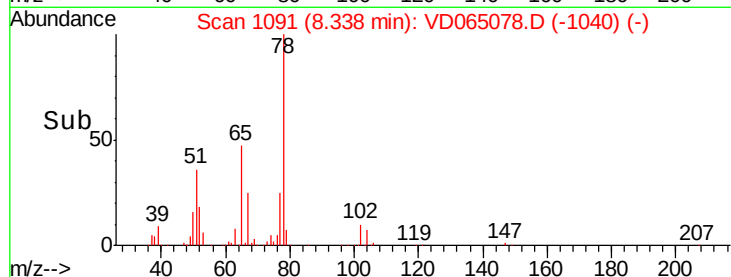
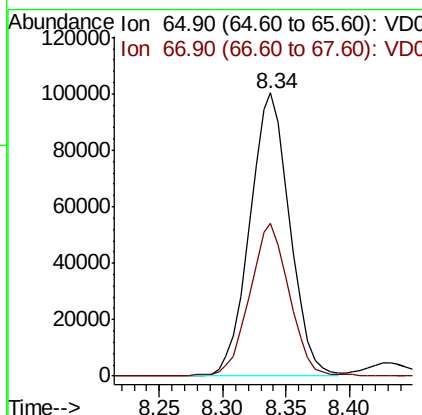
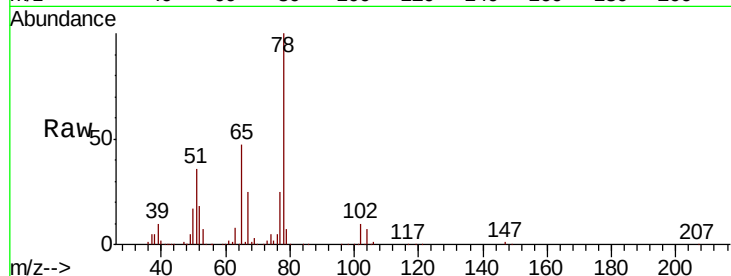




#33
 1,2-Dichloroethane-d4
 Concen: 55.281 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

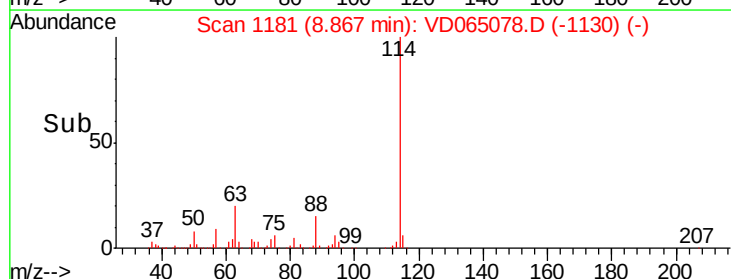
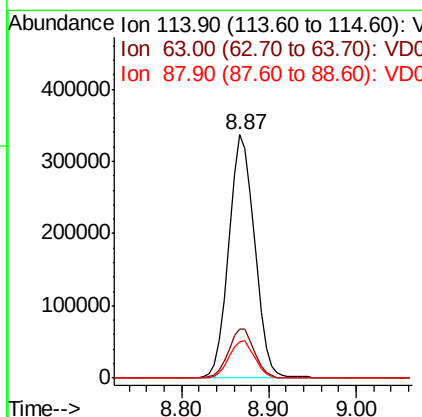
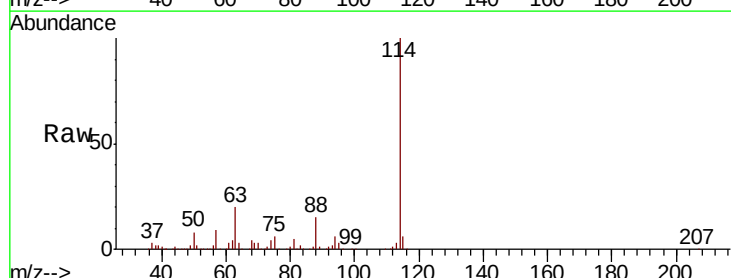
Instrument :
 MSVOA_D
 ClientSampleId :

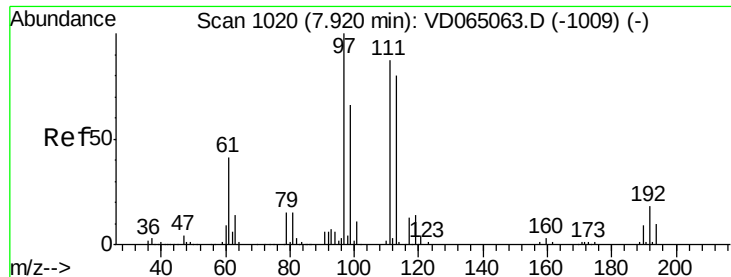
Tot Ion: 65 Resp: 219657
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion: 114 Resp: 679196
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.8
 88 14.8 0.0 29.6

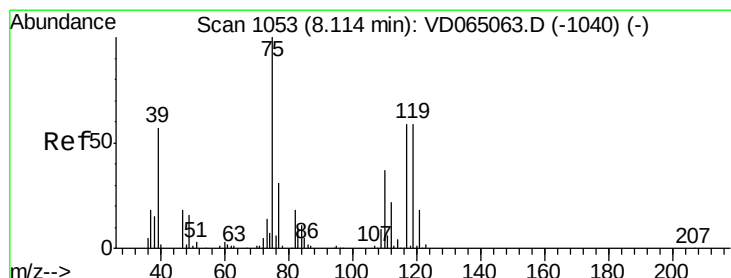
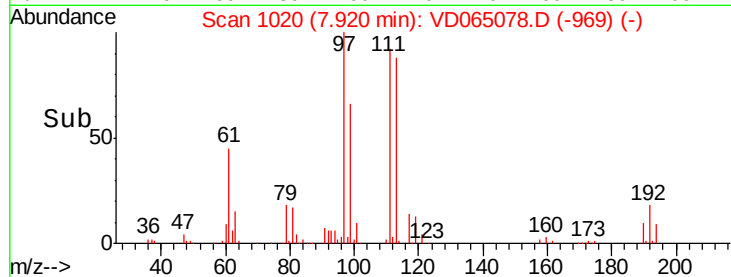
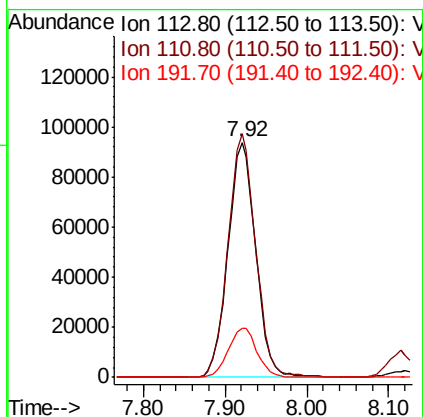
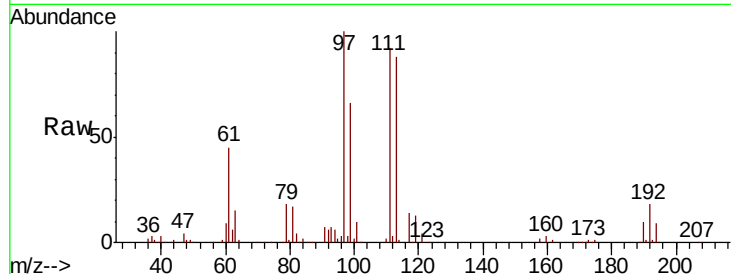




#35
 Dibromofluoromethane
 Concen: 58.400 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

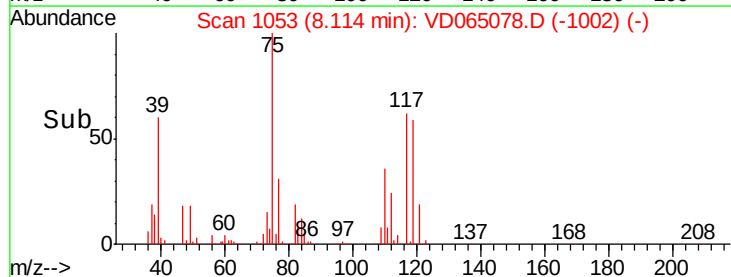
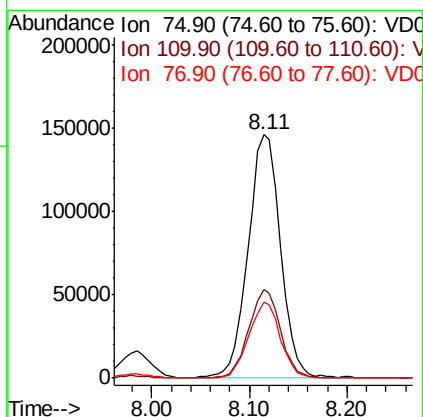
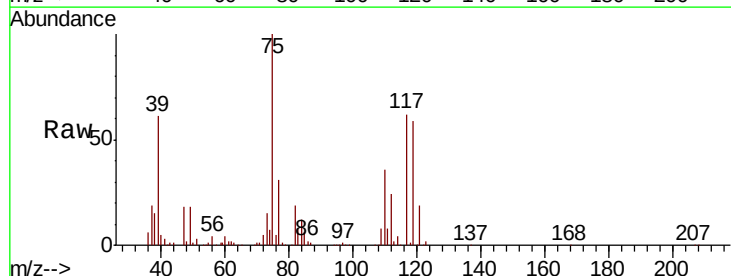
Instrument :
 MSVOA_D
 ClientSampleId :

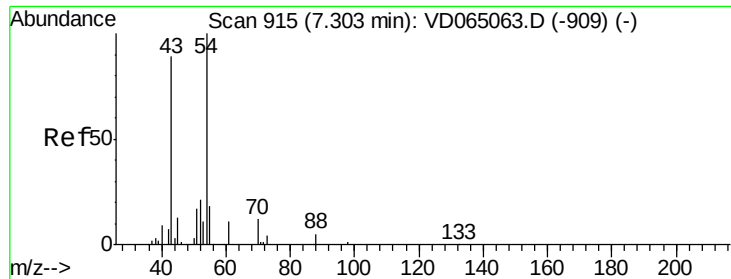
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	21.6	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 53.381 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.1	54.3
77	30.7	24.7	37.1

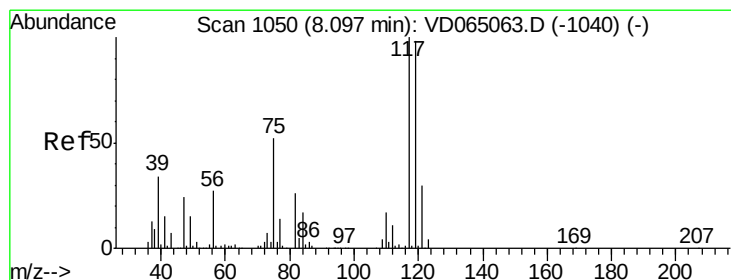
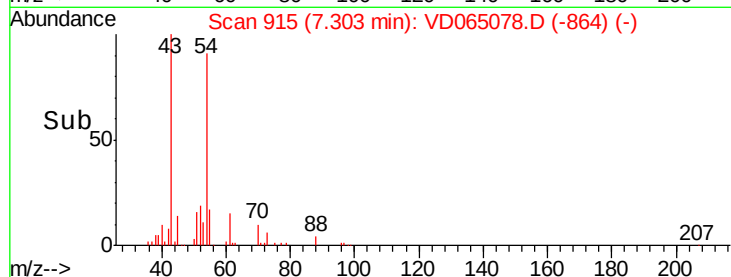
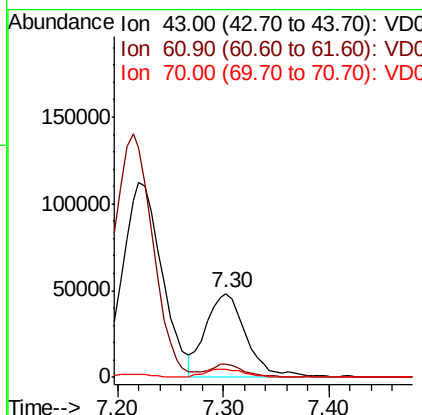
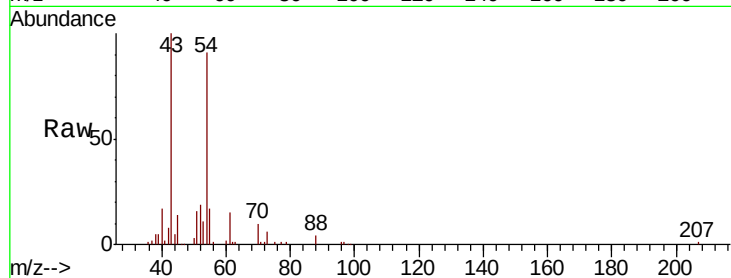




#37
Ethyl Acetate
Concen: 48.620 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

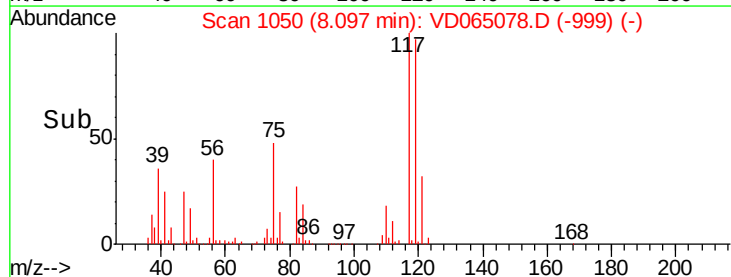
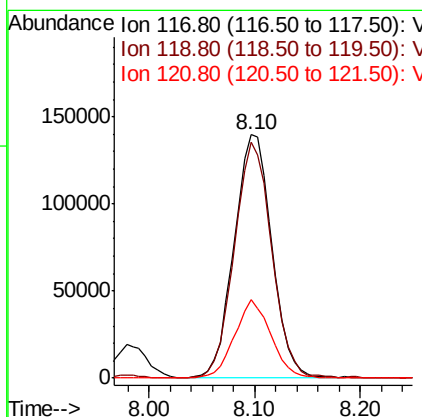
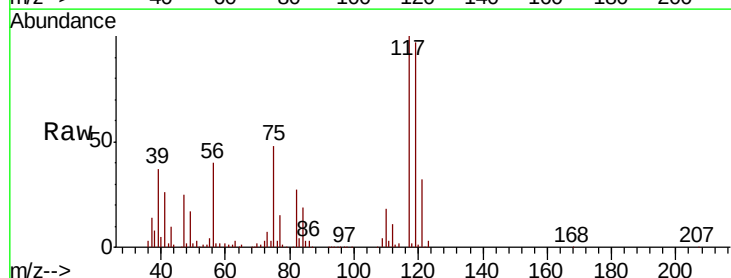
Instrument :
MSVOA_D
ClientSampleId :

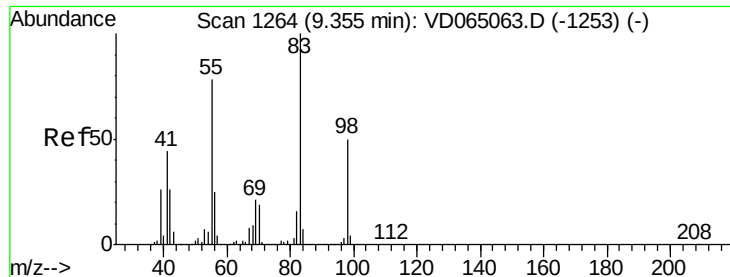
Tot Ion: 43 Resp: 125446
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.4
70 10.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 53.469 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 117 Resp: 344884
Ion Ratio Lower Upper
117 100
119 97.2 78.5 117.7
121 32.3 23.8 35.6

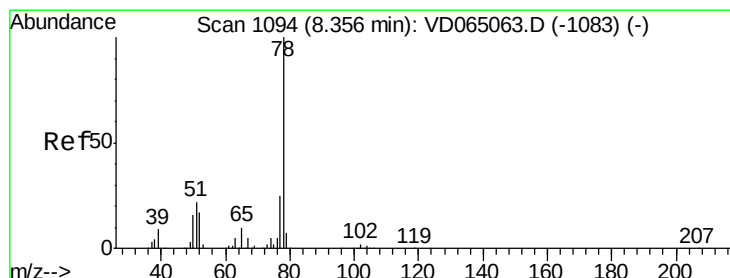
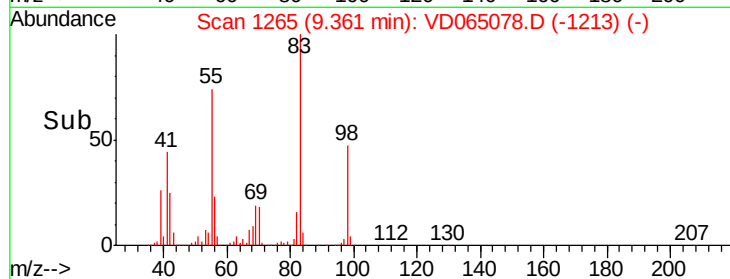
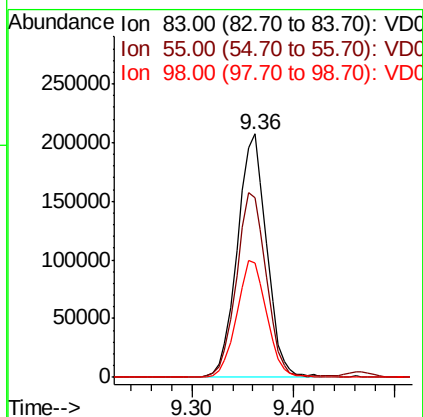
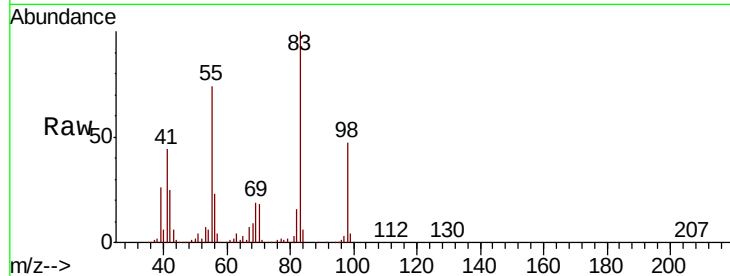




#39
Methylvlcyclohexane
Concen: 53.459 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

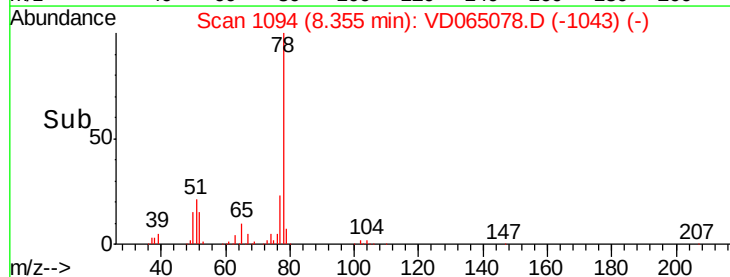
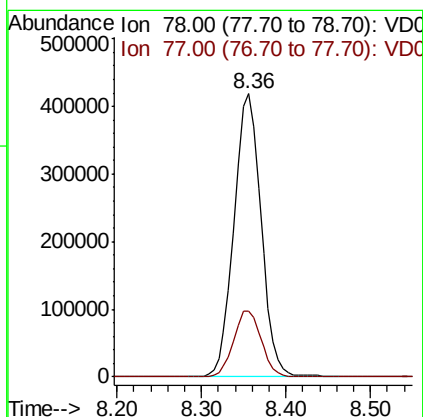
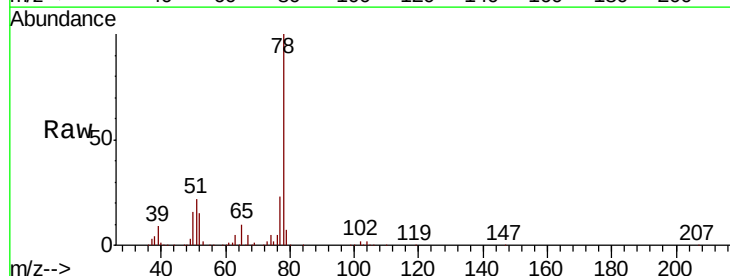
Instrument :
MSVOA_D
ClientSampled :

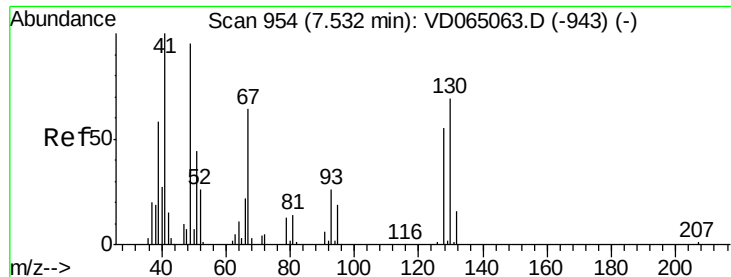
Tot Ion: 83 Resp: 416734
Ion Ratio Lower Upper
83 100
55 73.8 62.0 93.0
98 47.1 39.9 59.9



#40
Benzene
Concen: 53.213 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 78 Resp: 928039
Ion Ratio Lower Upper
78 100
77 23.0 19.6 29.4

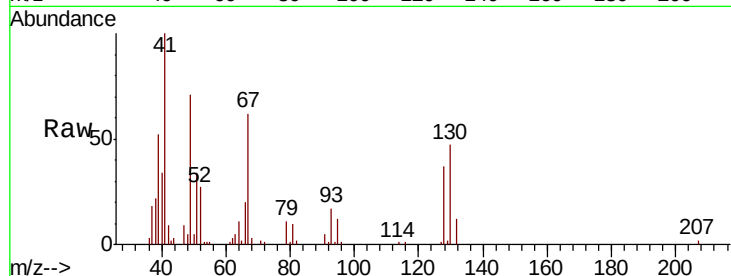




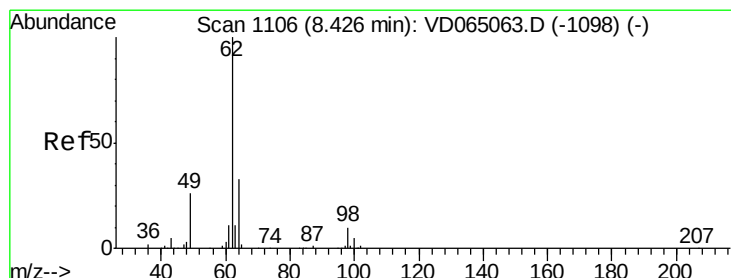
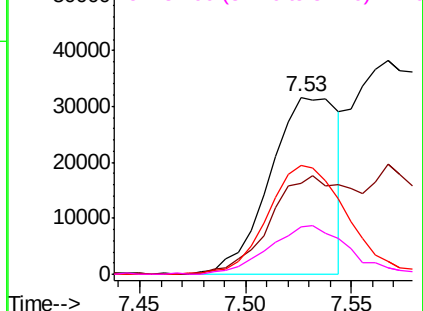
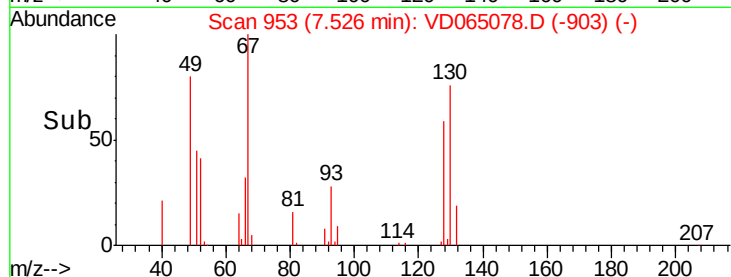
#41
Methacrylonitrile
Concen: 49.998 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	71069
Ion	Ratio	Lower	Upper
41	100		
39	69.5	55.4	83.0
67	71.6	59.0	88.6
52	31.9	25.4	38.0

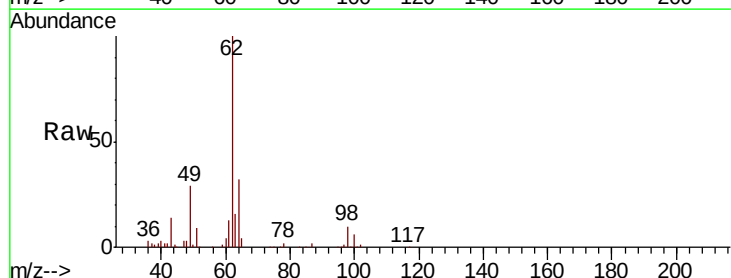


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

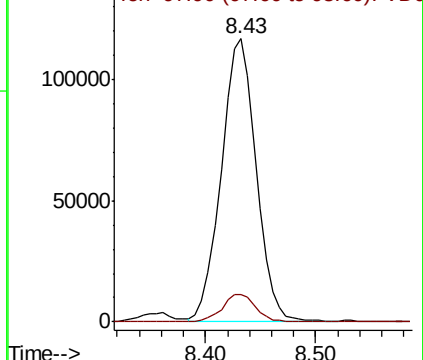
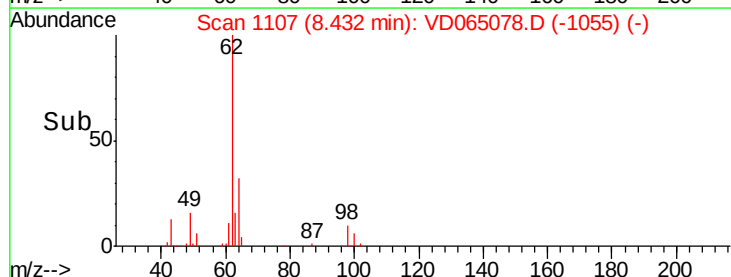


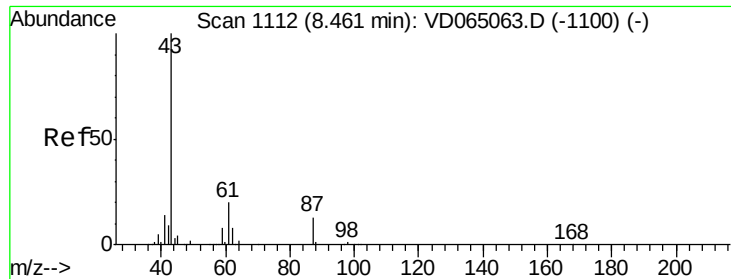
#42
1,2-Dichloroethane
Concen: 51.711 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion:	62	Resp:	256969
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.207 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

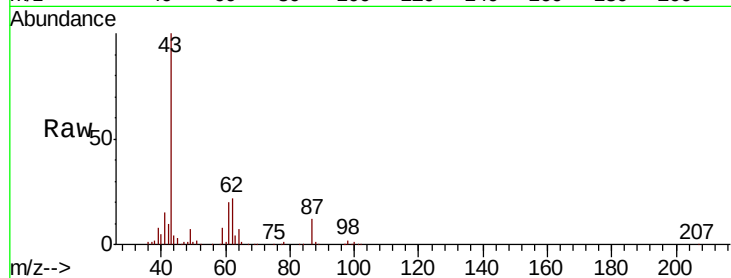
Tot Ion: 43 Resp: 237931

Ion Ratio Lower Upper

43 100

61 29.8 24.0 36.0

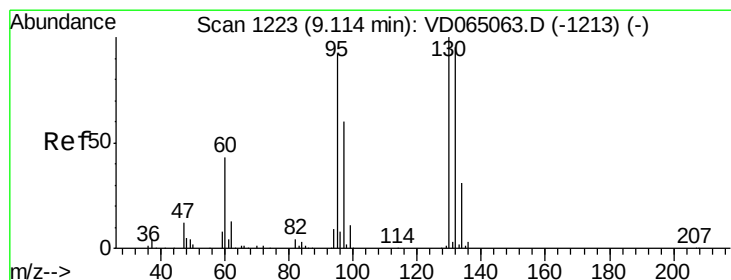
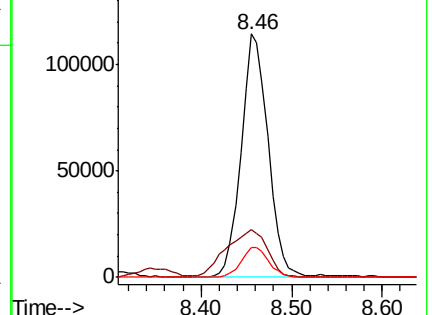
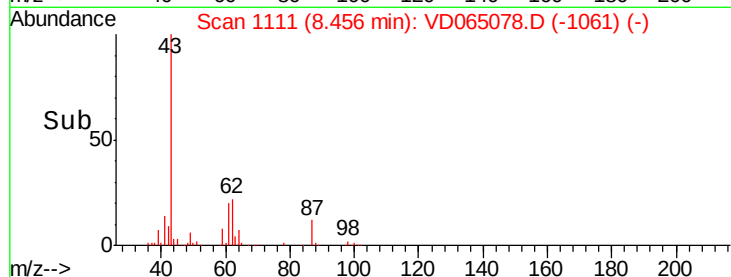
87 12.4 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.199 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065078.D

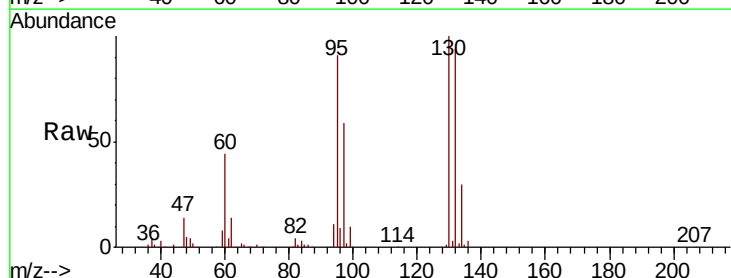
Acq: 06 Feb 2020 10:53

Tgt Ion:130 Resp: 256298

Ion Ratio Lower Upper

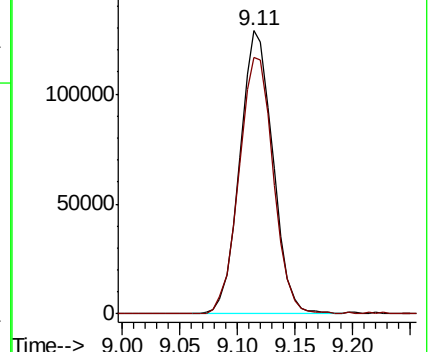
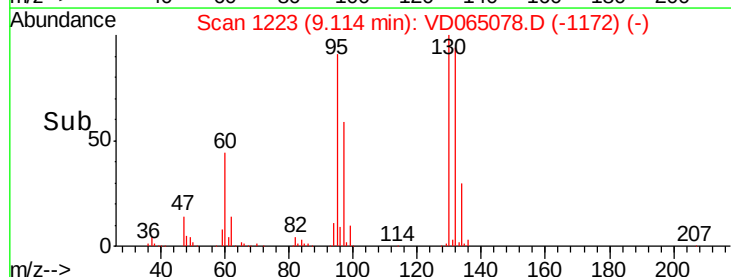
130 100

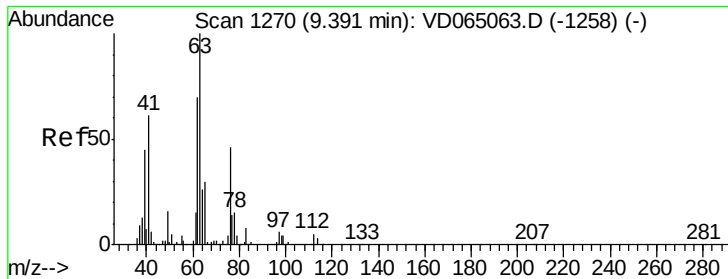
95 90.8 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

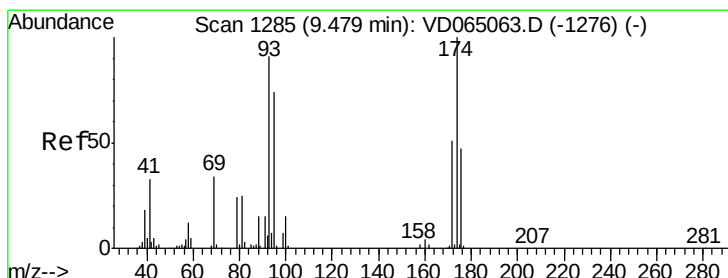
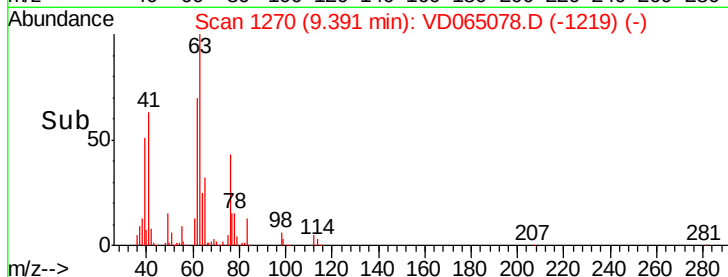
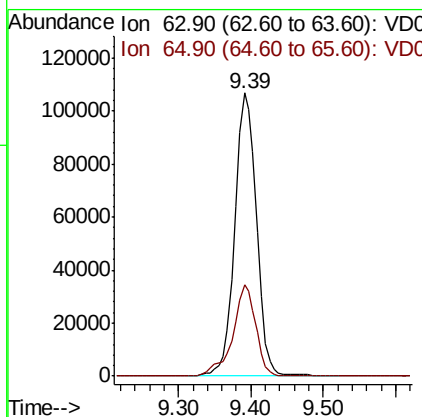
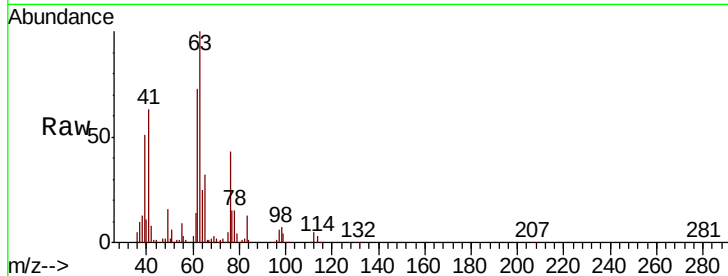




#45
 1,2-Dichloropropane
 Concen: 53.273 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

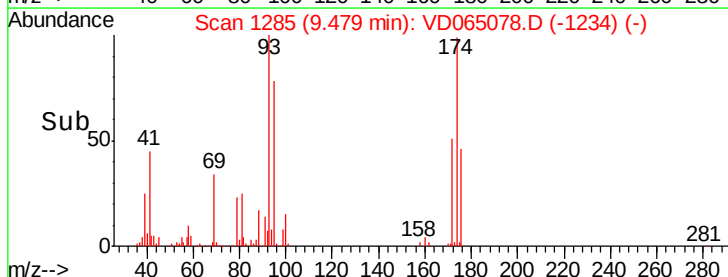
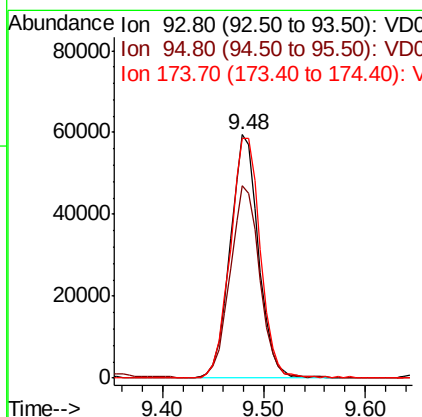
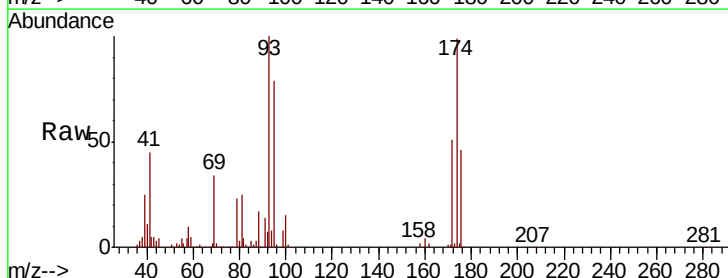
Instrument :
 MSVOA_D
 ClientSampled :

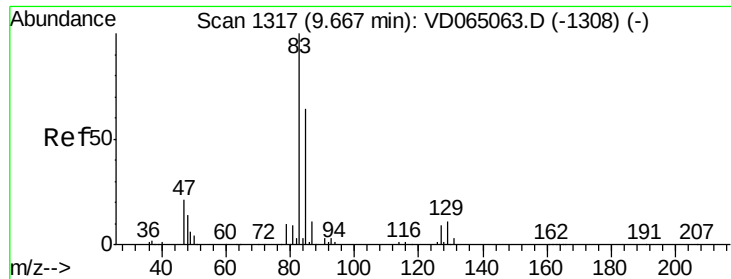
Tot Ion: 63 Resp: 222760
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.9 35.9



#46
 Dibromomethane
 Concen: 52.287 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion: 93 Resp: 114888
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.5 99.7
 174 105.4 89.8 134.8

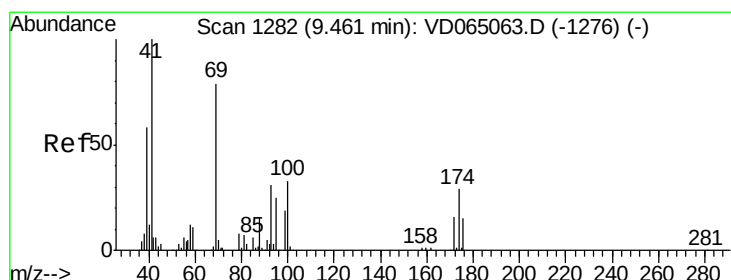
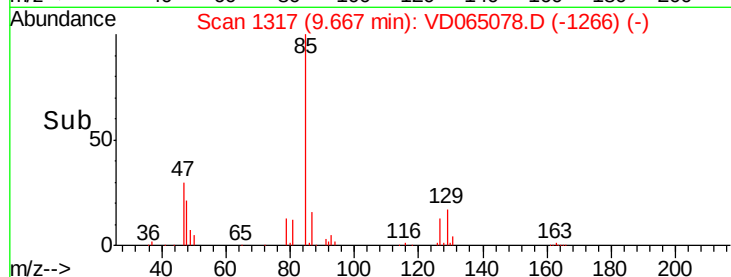
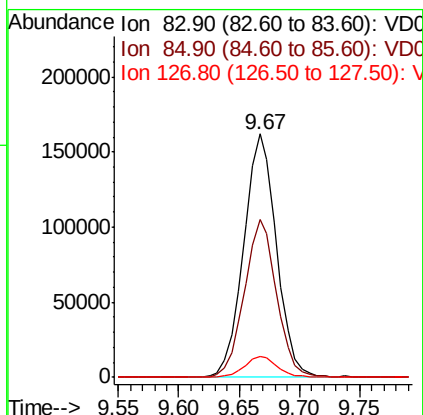
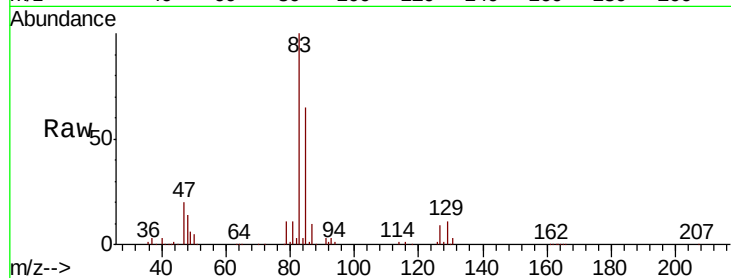




#47
Bromodichloromethane
Concen: 53.048 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

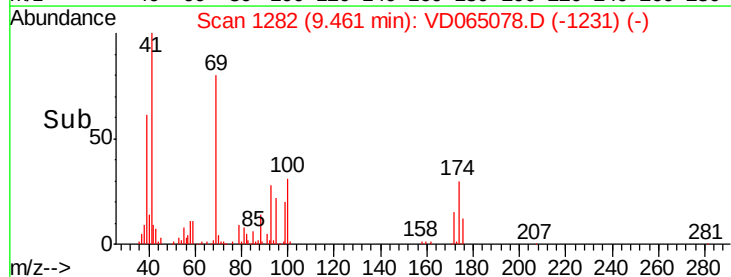
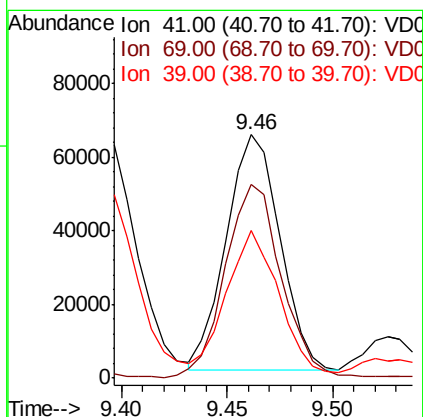
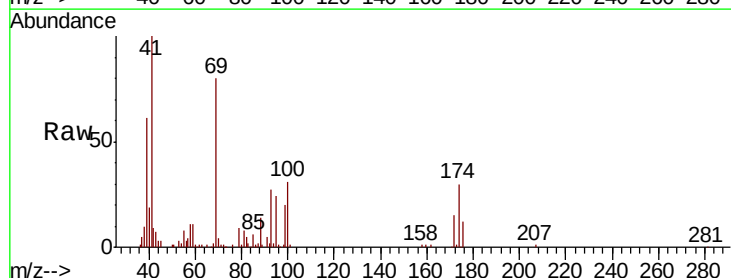
Instrument :
MSVOA_D
ClientSampleId :

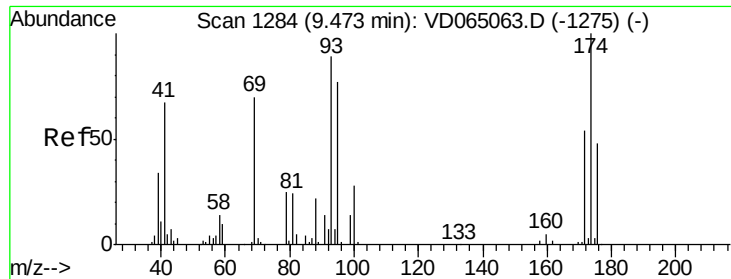
Tot Ion: 83 Resp: 307124
Ion Ratio Lower Upper
83 100
85 64.7 51.0 76.6
127 8.5 7.3 10.9



#48
Methyl methacrylate
Concen: 47.620 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 41 Resp: 113097
Ion Ratio Lower Upper
41 100
69 85.1 67.5 101.3
39 57.0 47.0 70.4





#49

1,4-Dioxane

Concen: 985.634 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :

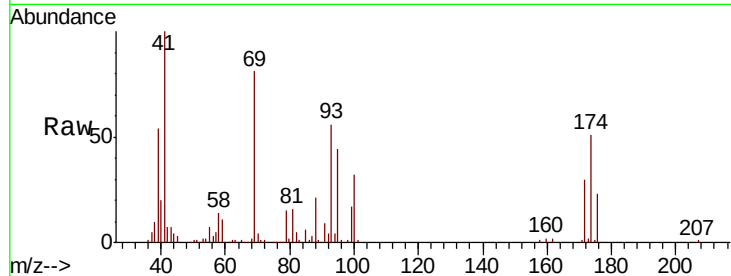
Tot Ion: 88 Resp: 25651

Ion Ratio Lower Upper

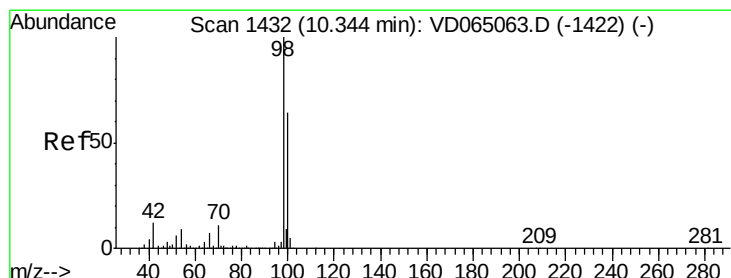
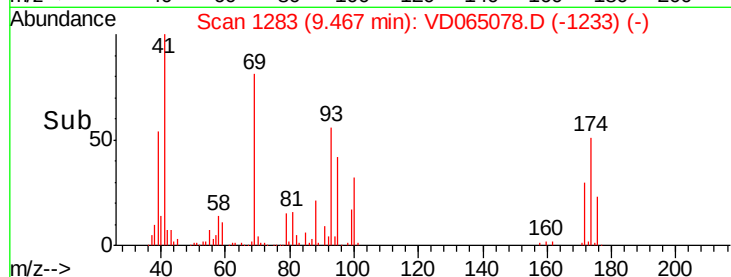
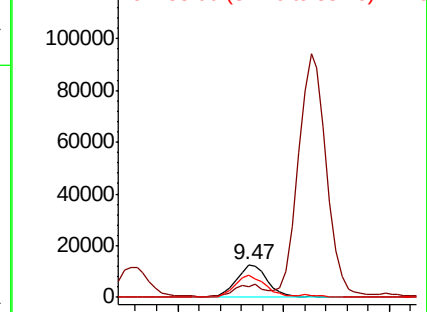
88 100

43 37.0 27.7 41.5

58 66.3 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: 57.558 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065078.D

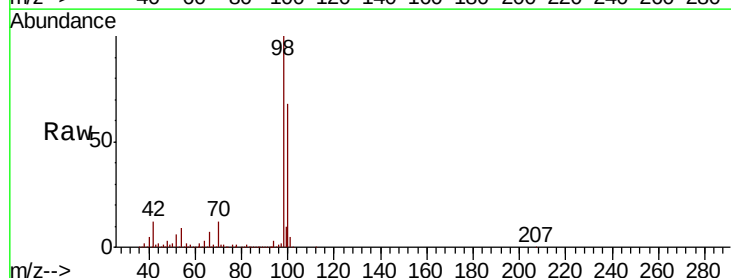
Acq: 06 Feb 2020 10:53

Tgt Ion: 98 Resp: 868164

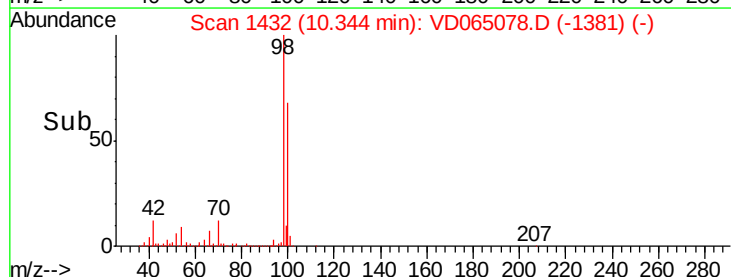
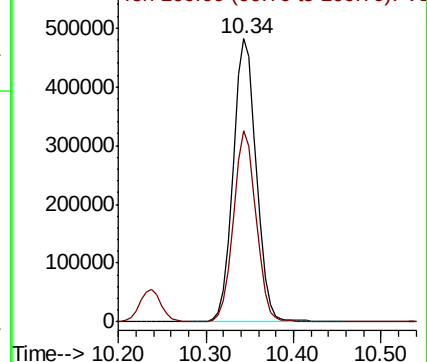
Ion Ratio Lower Upper

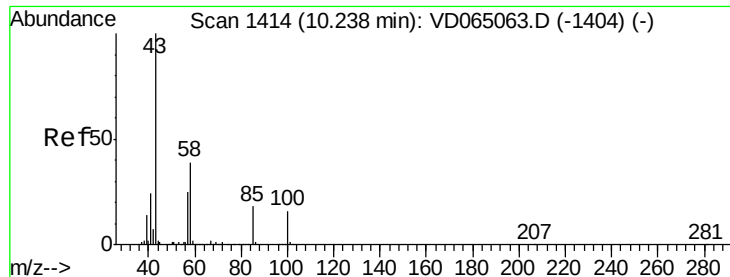
98 100

100 66.1 52.1 78.1



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

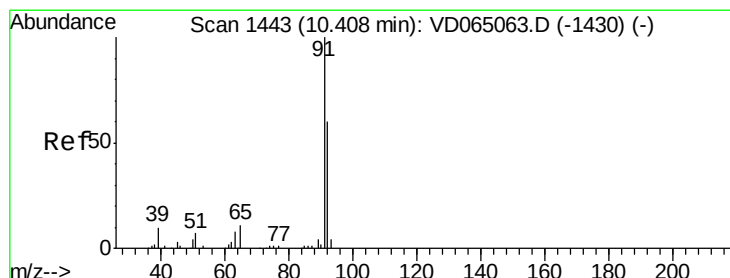
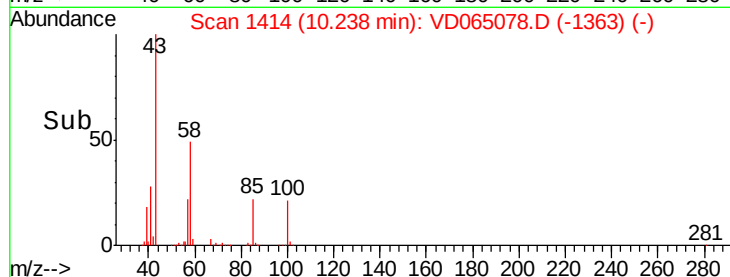
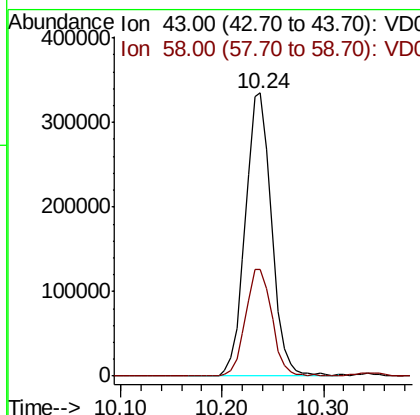
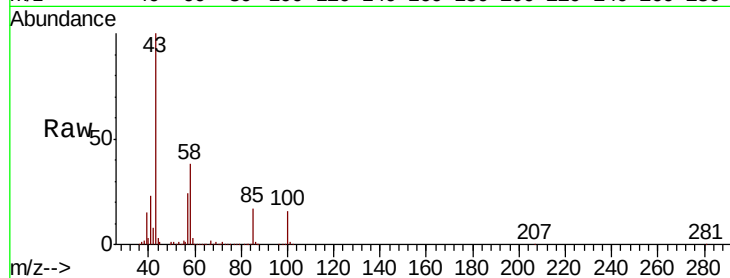




#51
4-Methyl-2-Pentanone
Concen: 247.421 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

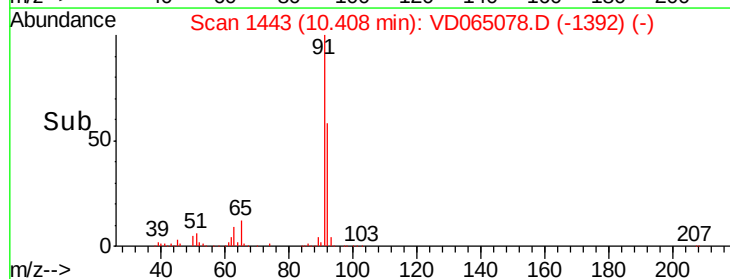
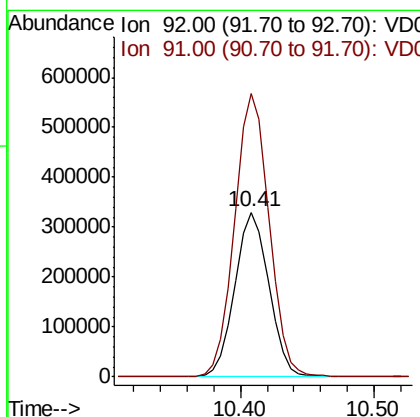
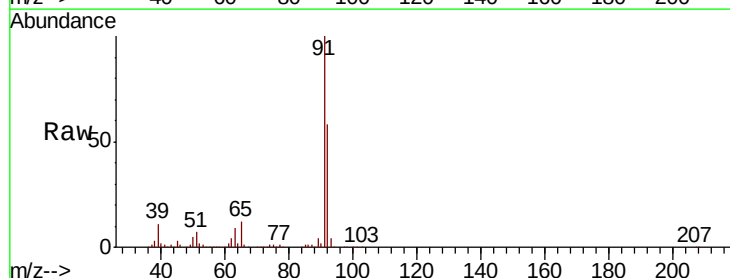
Instrument :
MSVOA_D
ClientSampled :

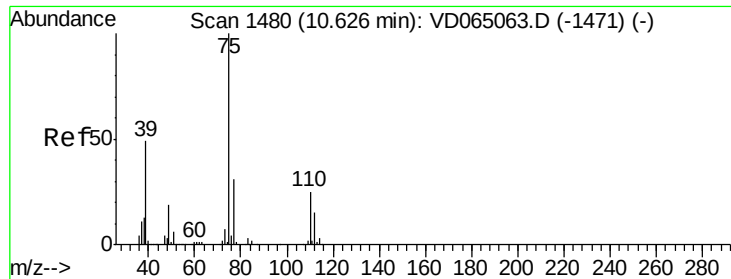
Tot Ion: 43 Resp: 601076
Ion Ratio Lower Upper
43 100
58 38.3 30.2 45.2



#52
Toluene
Concen: 52.686 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 92 Resp: 586445
Ion Ratio Lower Upper
92 100
91 173.9 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 50.506 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

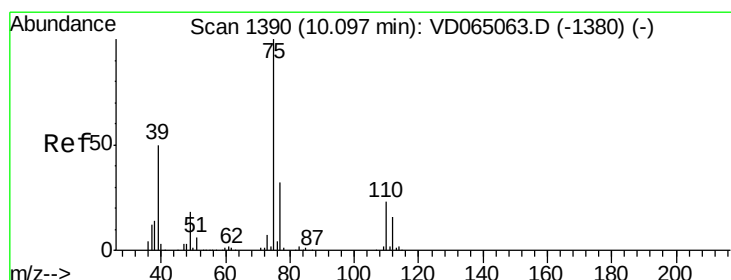
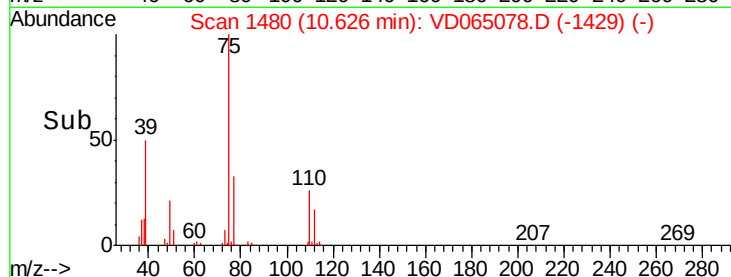
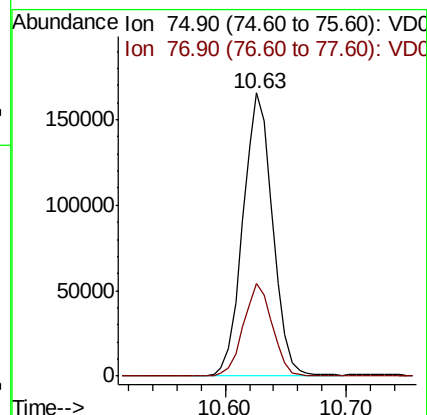
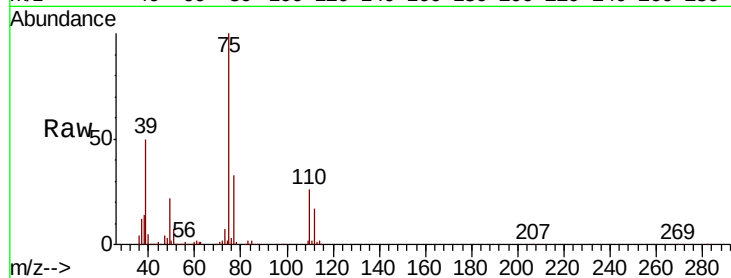
ClientSampleId :

Tot Ion: 75 Resp: 284696

Ion Ratio Lower Upper

75 100

77 32.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 51.889 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

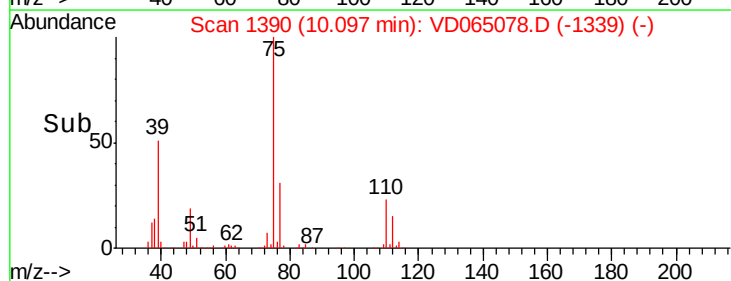
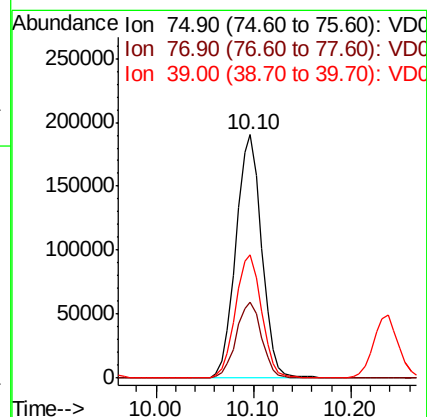
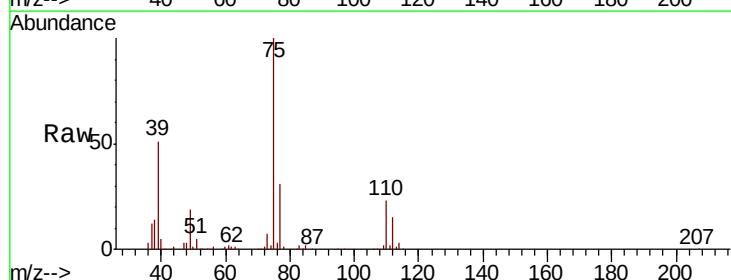
Tgt Ion: 75 Resp: 349821

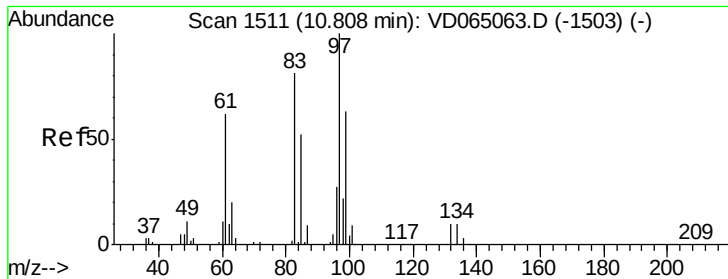
Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9

39 50.7 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 50.409 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 151926

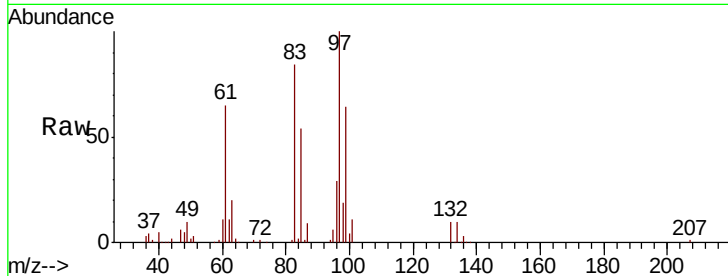
Ion Ratio Lower Upper

97 100

83 84.4 64.8 97.2

85 53.5 41.2 61.8

99 64.2 50.3 75.5

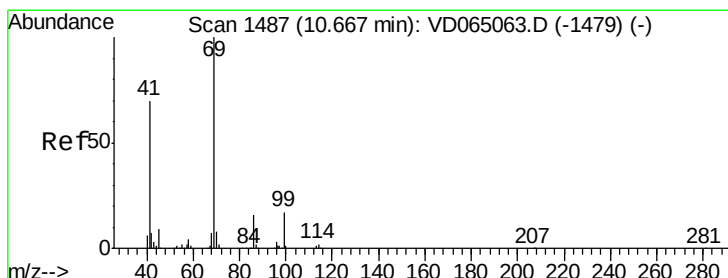
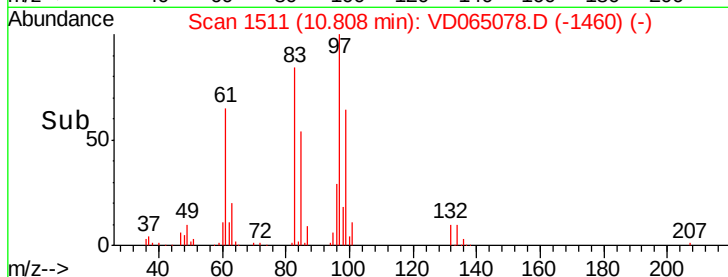
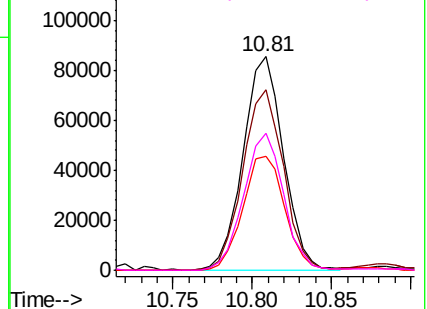


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 49.569 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

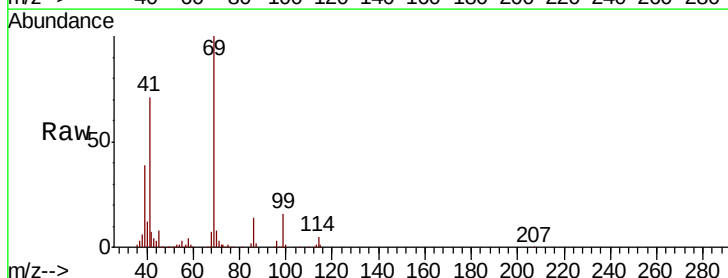
Tgt Ion: 69 Resp: 189025

Ion Ratio Lower Upper

69 100

41 71.8 55.9 83.9

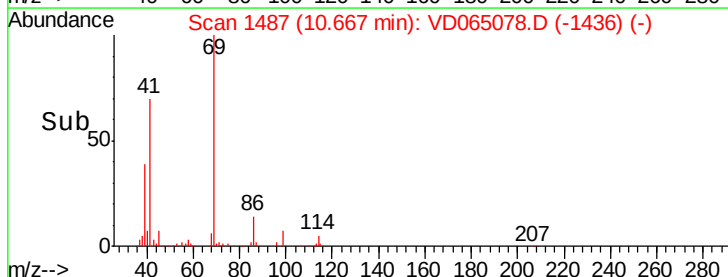
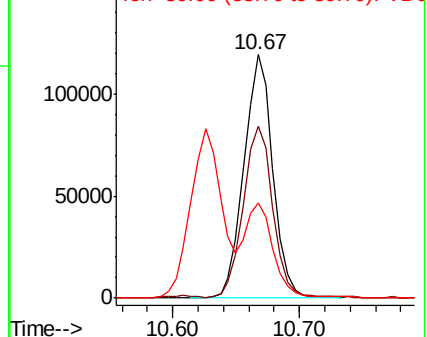
39 38.1 29.4 44.0

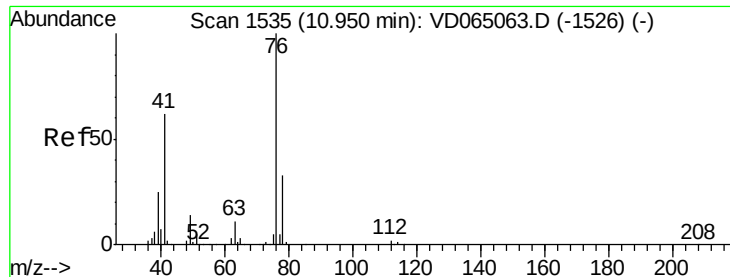


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.863 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

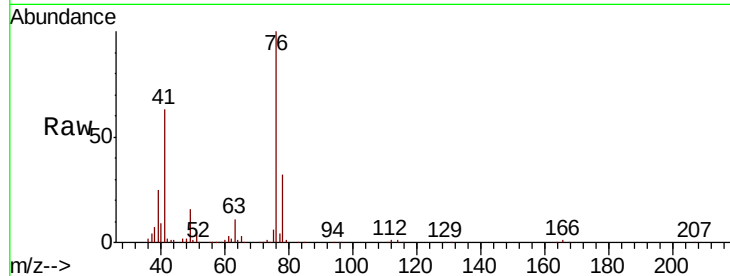
ClientSampleId :

Tot Ion: 76 Resp: 269552

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.96

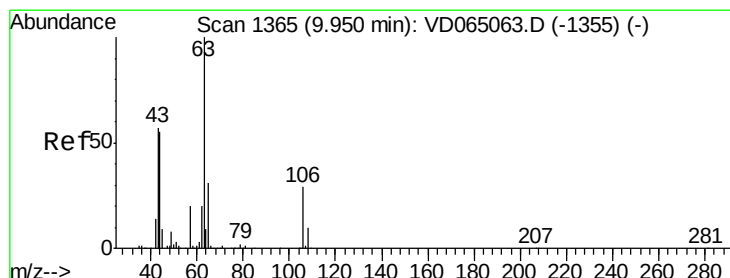
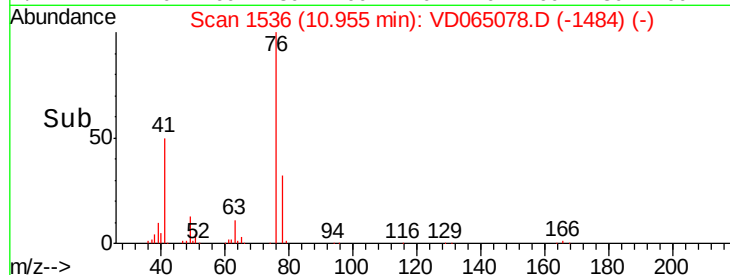
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 237.129 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065078.D

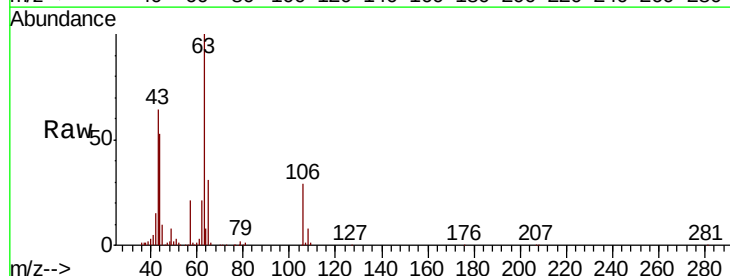
Acq: 06 Feb 2020 10:53

Tgt Ion: 63 Resp: 293369

Ion Ratio Lower Upper

63 100

106 29.0 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.95

200000

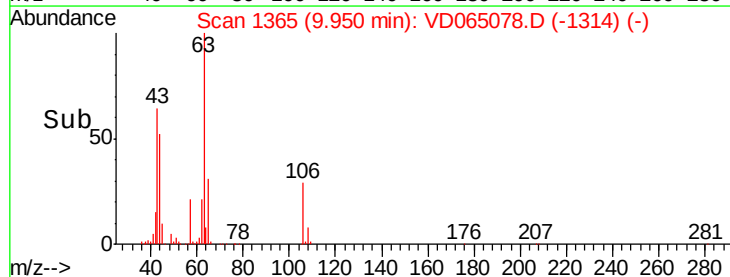
150000

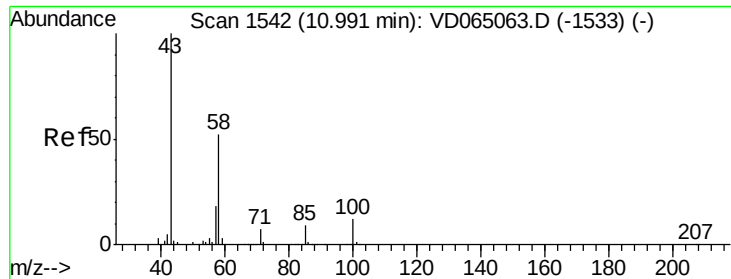
100000

50000

0

Time-->

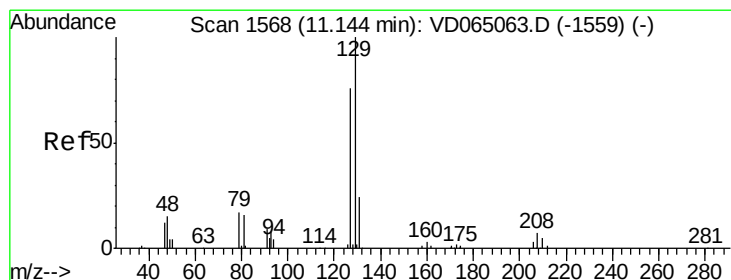
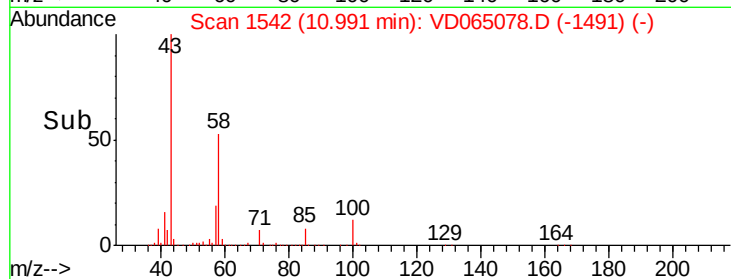
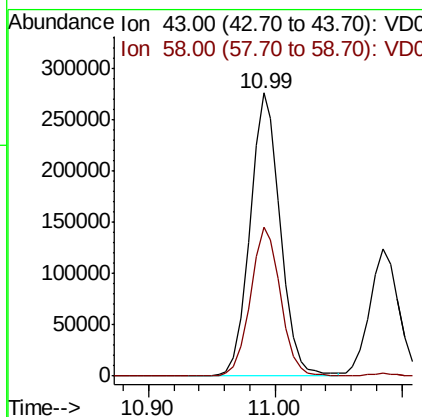
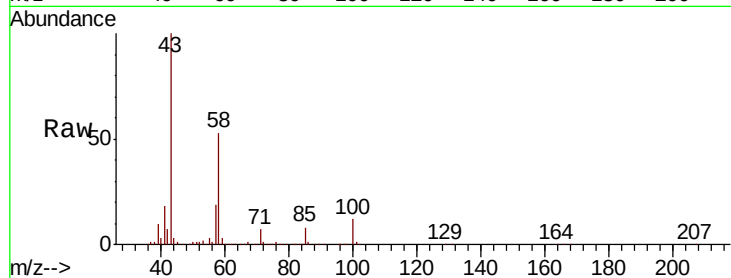




#59
2-Hexanone
Concen: 265.867 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

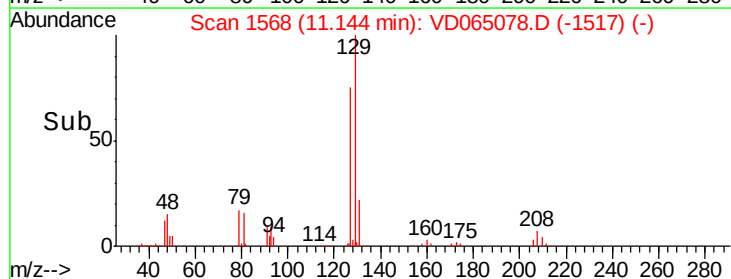
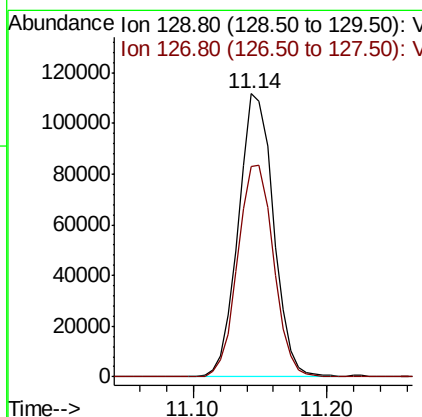
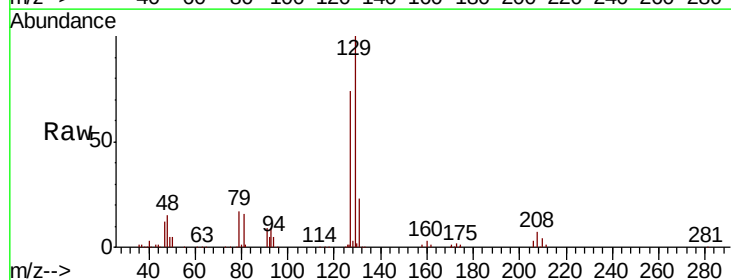
Instrument :
MSVOA_D
ClientSampleId :

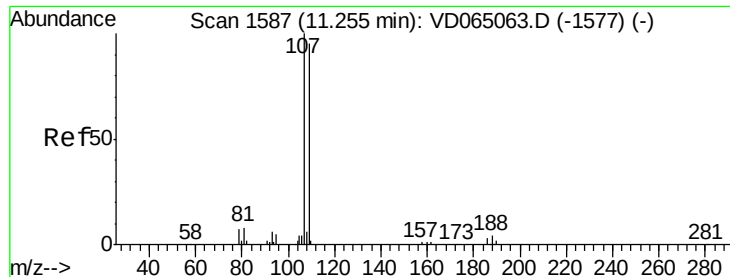
Tot Ion: 43 Resp: 457497
Ion Ratio Lower Upper
43 100
58 52.7 26.2 78.6



#60
Dibromochloromethane
Concen: 52.216 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 129 Resp: 203837
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.9

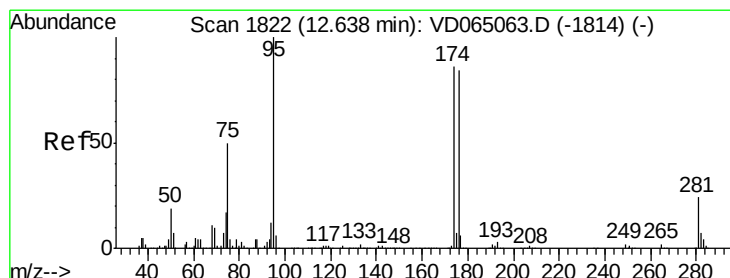
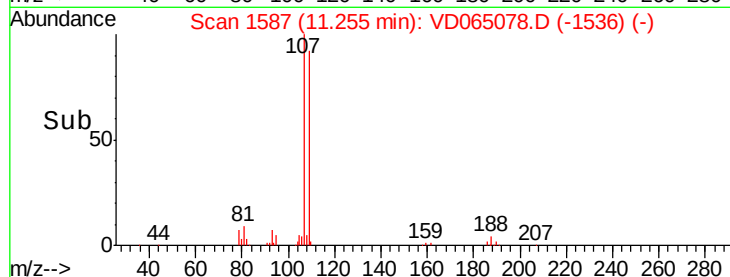
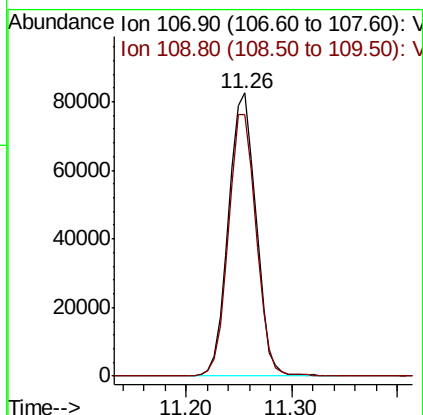
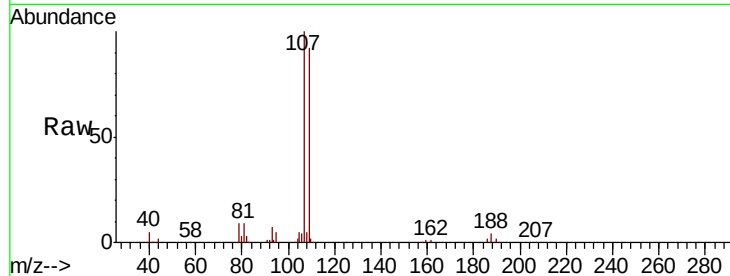




#61
 1,2-Dibromoethane
 Concen: 50.526 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

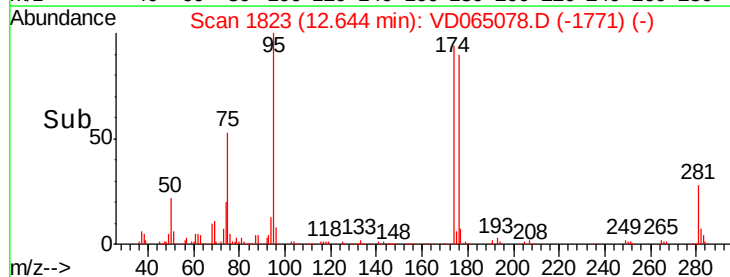
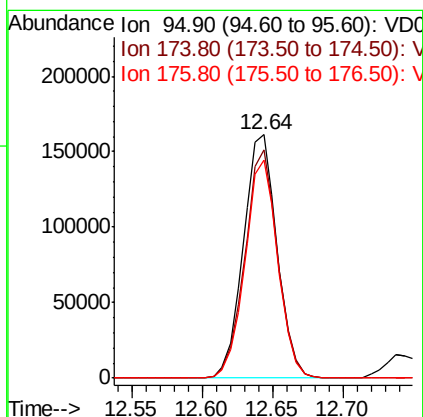
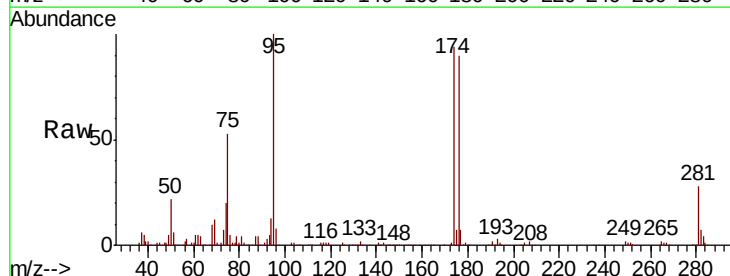
Instrument :
 MSVOA_D
 ClientSampleId :

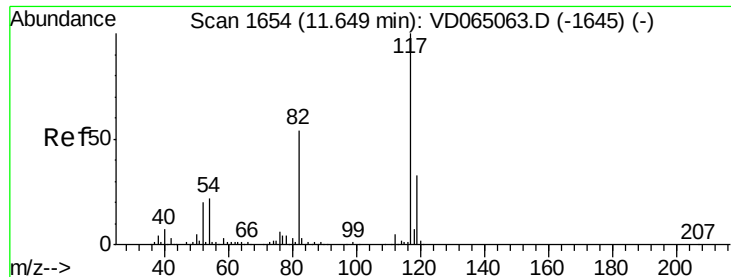
Tot Ion: 107 Resp: 148793
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 56.162 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion: 95 Resp: 268415
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 180.0
 176 87.6 0.0 173.2

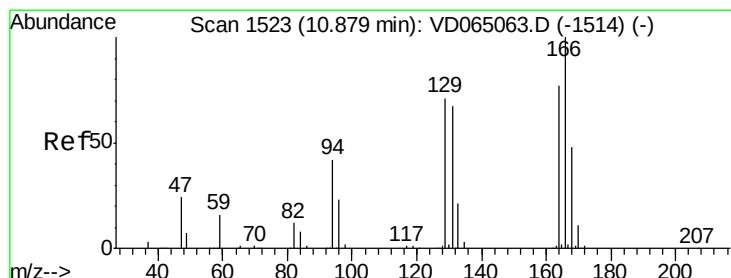
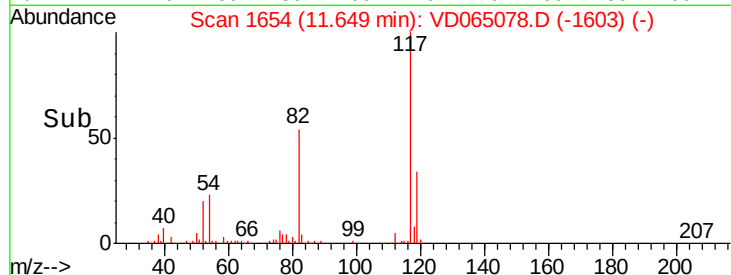
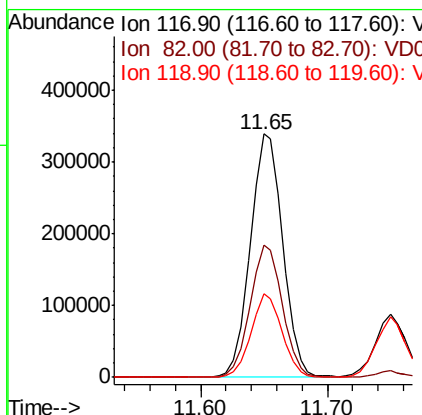
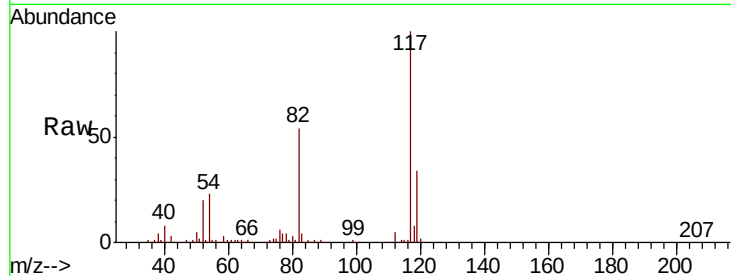




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

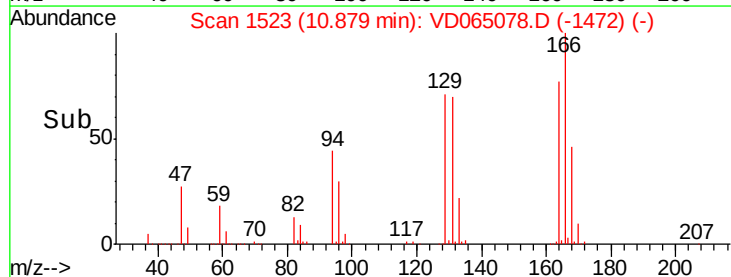
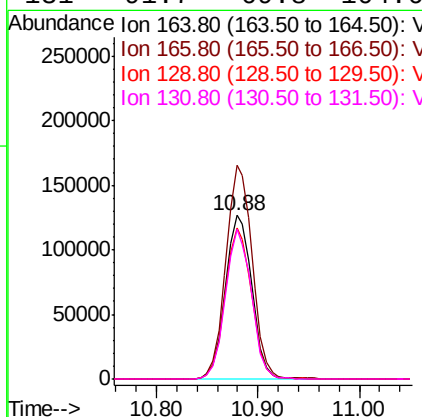
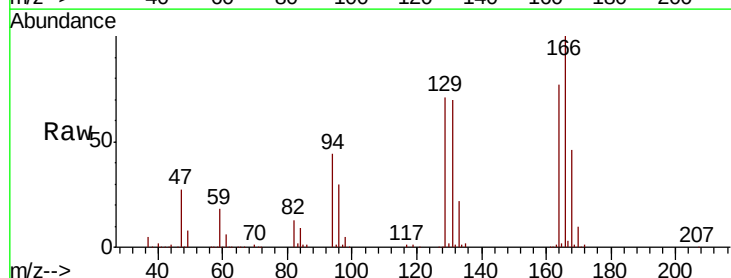
Instrument :
MSVOA_D
ClientSampled :

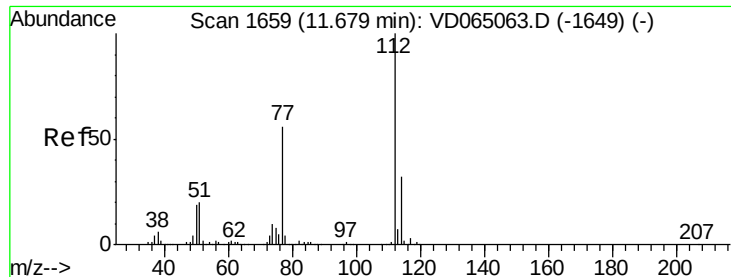
Tot Ion:117 Resp: 604159
Ion Ratio Lower Upper
117 100
82 54.4 43.1 64.7
119 34.1 26.0 39.0



#64
Tetrachloroethene
Concen: 53.015 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion:164 Resp: 230148
Ion Ratio Lower Upper
164 100
166 130.6 103.5 155.3
129 92.7 73.3 109.9
131 91.7 69.8 104.6

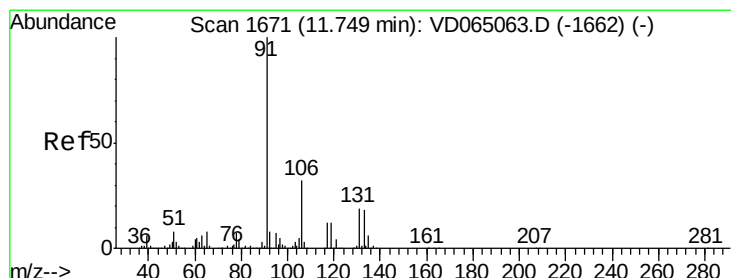
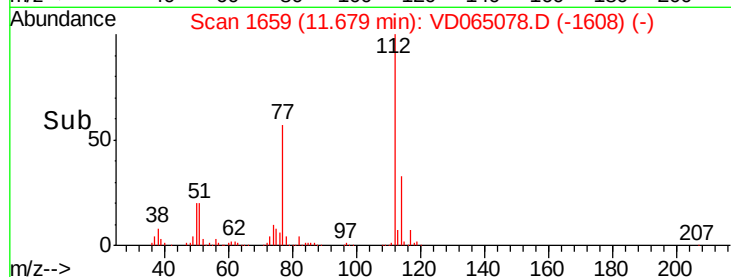
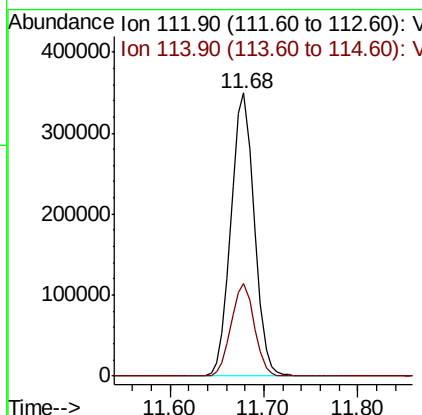
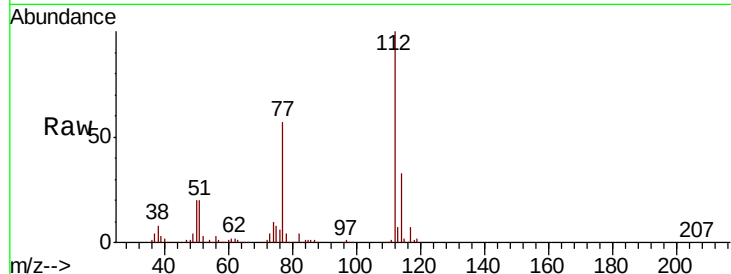




#65
Chlorobenzene
Concen: 51.592 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

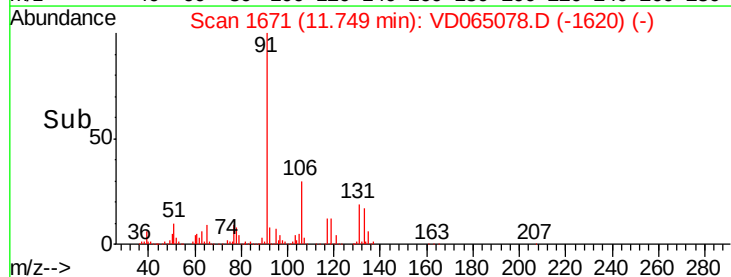
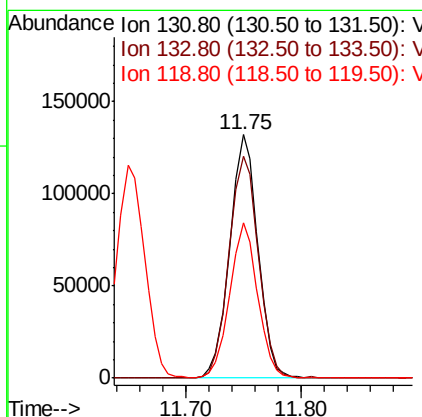
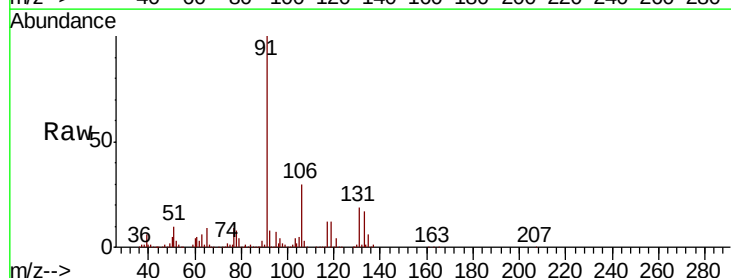
Instrument :
MSVOA_D
ClientSampleId :

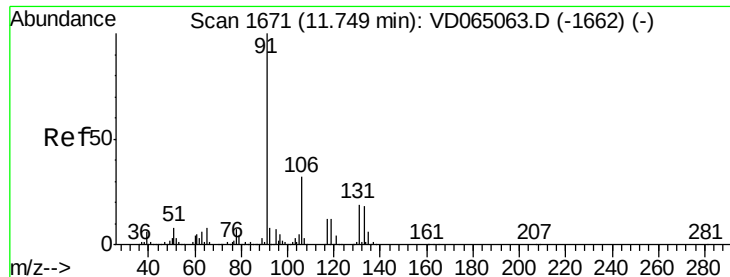
Tot Ion:112 Resp: 602867
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.716 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion:131 Resp: 223040
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 63.4 31.3 93.8





#67

Ethyl Benzene

Concen: 53.305 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

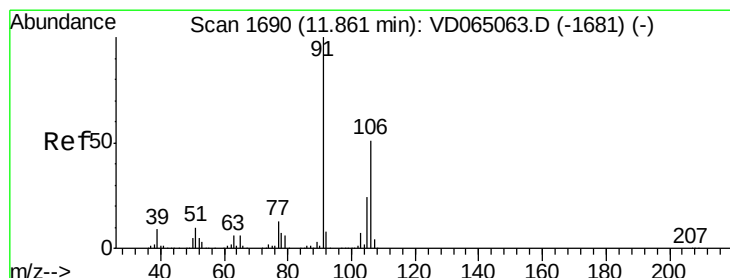
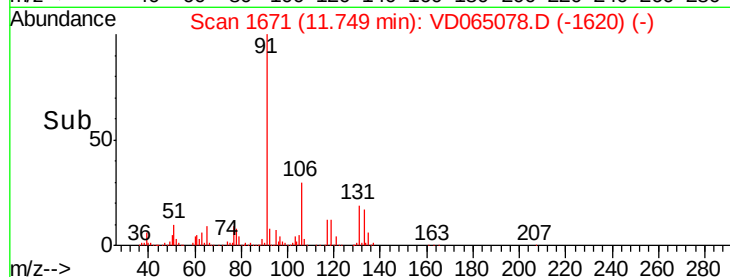
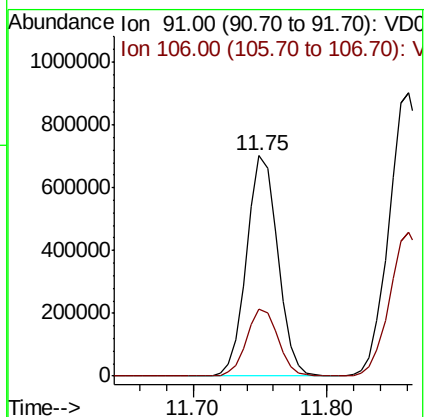
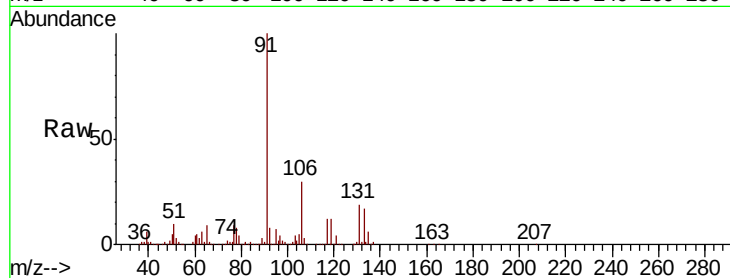
ClientSampleId :

Tot Ion: 91 Resp: 1131659

Ion Ratio Lower Upper

91 100

106 30.4 25.4 38.2



#68

m/p-Xylenes

Concen: 108.174 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065078.D

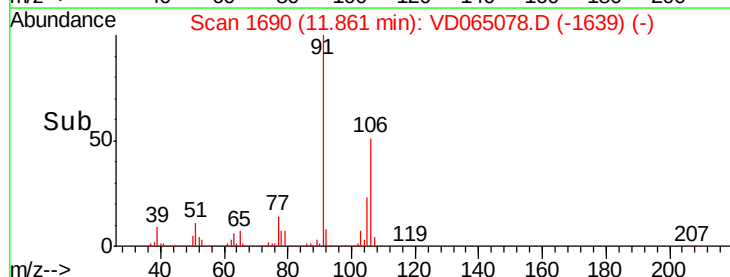
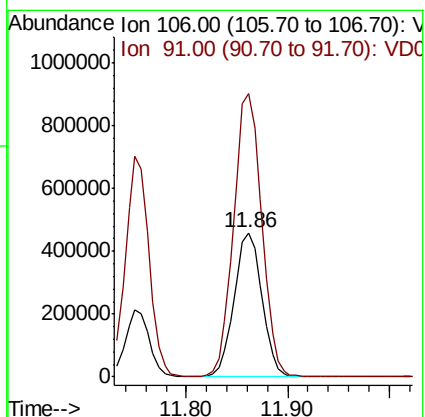
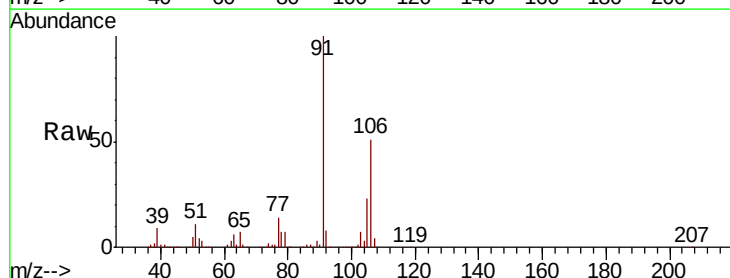
Acq: 06 Feb 2020 10:53

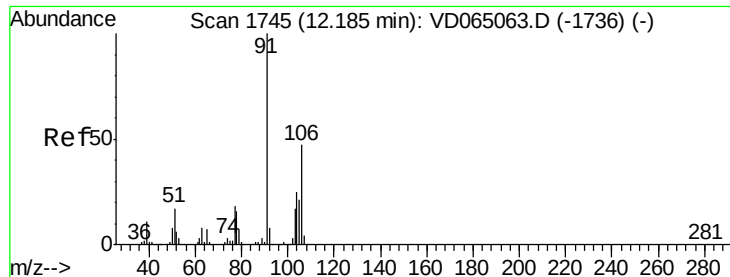
Tgt Ion: 106 Resp: 876528

Ion Ratio Lower Upper

106 100

91 197.9 158.9 238.3

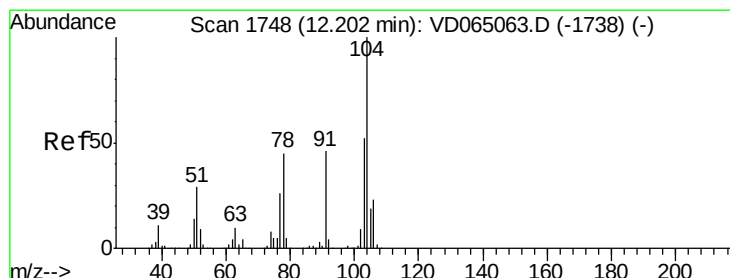
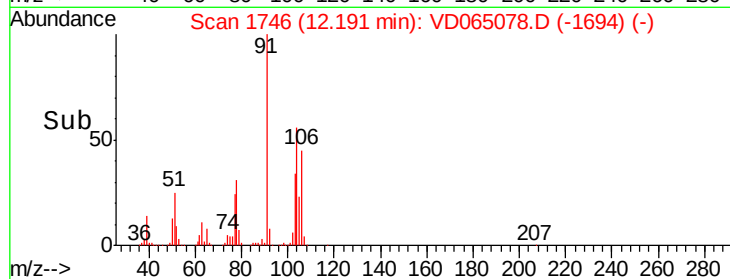
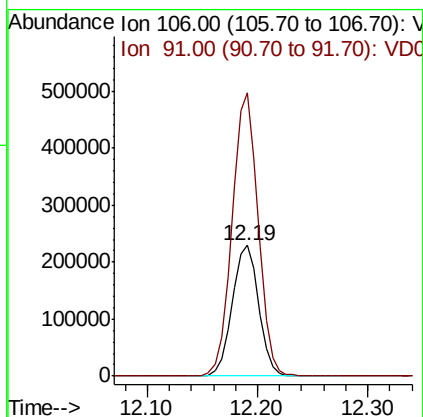
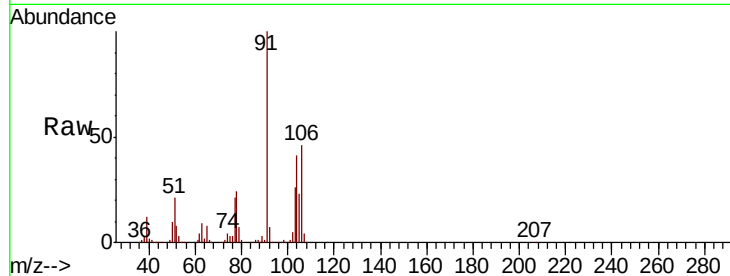




#69
o-Xylene
Concen: 52.935 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

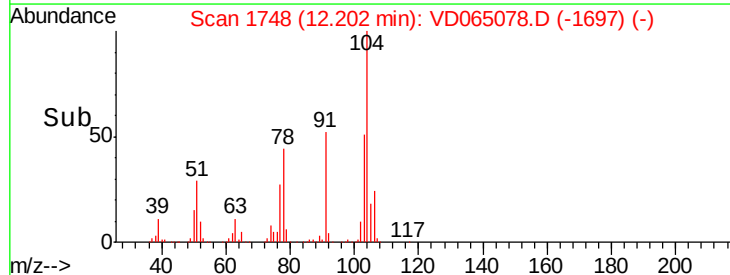
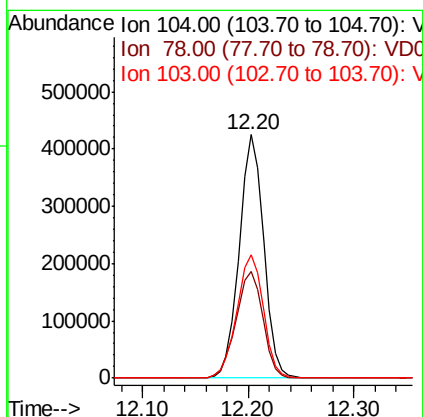
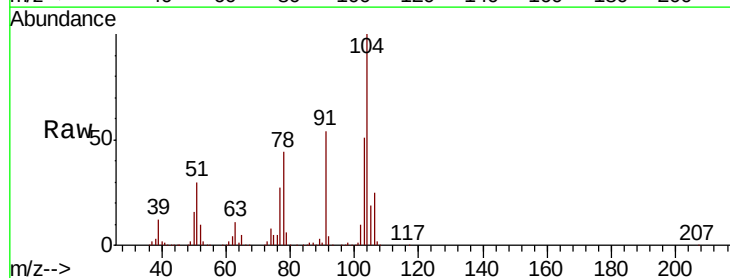
Instrument :
MSVOA_D
ClientSampleId :

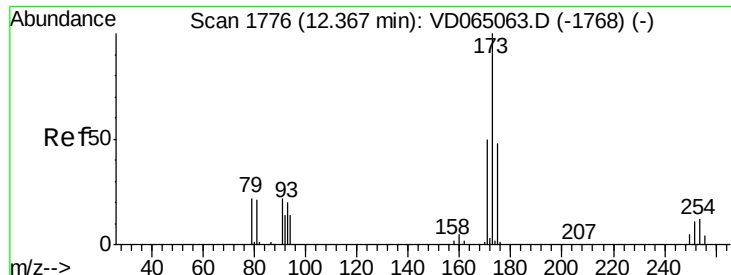
Tot Ion:106 Resp: 386257
Ion Ratio Lower Upper
106 100
91 212.5 104.7 313.9



#70
Styrene
Concen: 53.564 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion:104 Resp: 679301
Ion Ratio Lower Upper
104 100
78 48.5 38.5 57.7
103 55.0 43.8 65.8

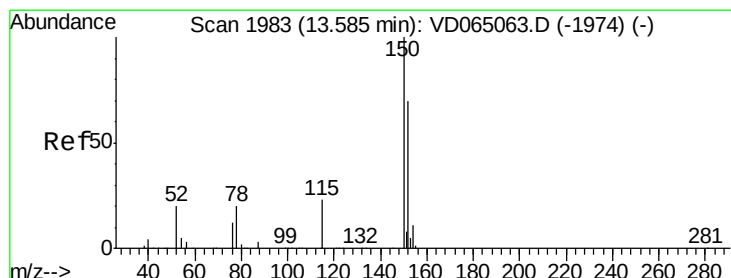
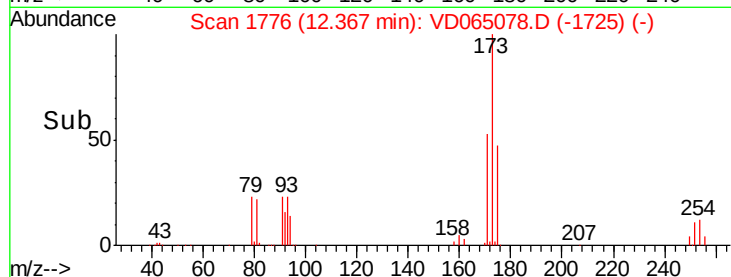
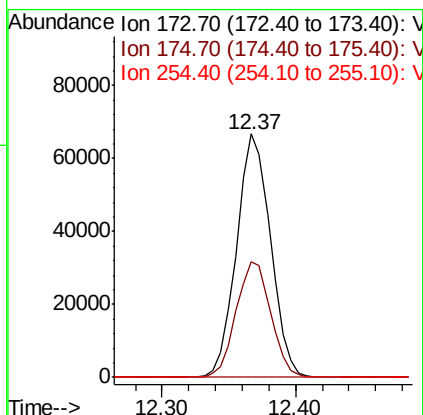
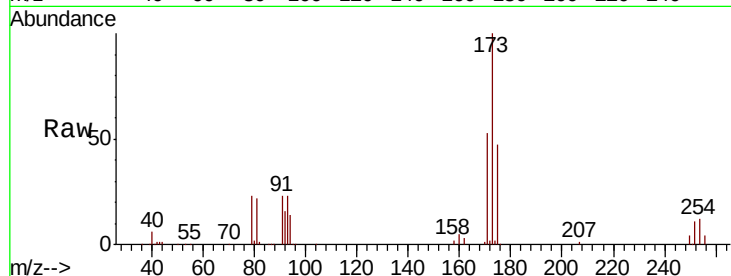




#71
Bromoform
Concen: 50.606 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

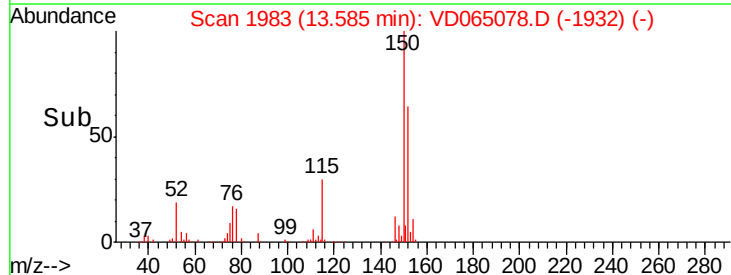
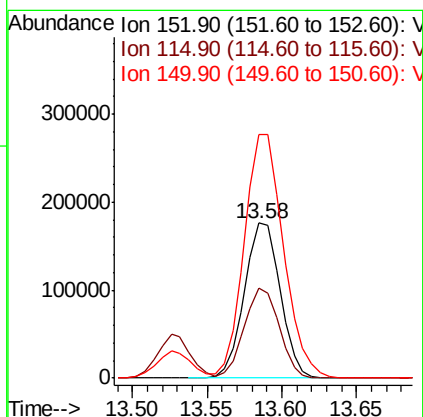
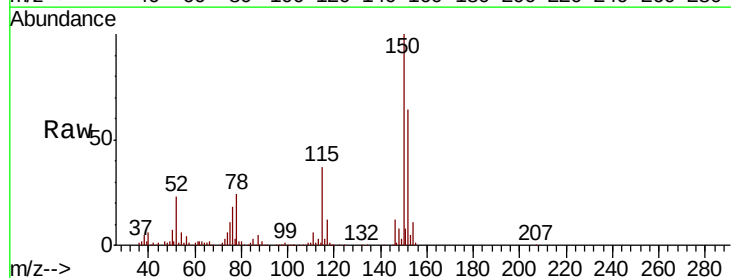
Instrument :
MSVOA_D
ClientSampleId :

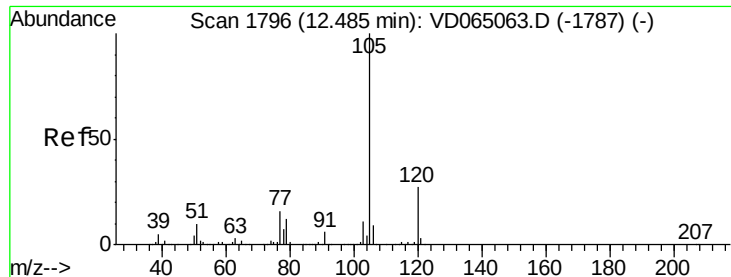
Tot Ion:173 Resp: 117475
Ion Ratio Lower Upper
173 100
175 48.3 24.3 72.8
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion:152 Resp: 294000
Ion Ratio Lower Upper
152 100
115 56.7 27.5 82.4
150 171.8 0.0 343.2

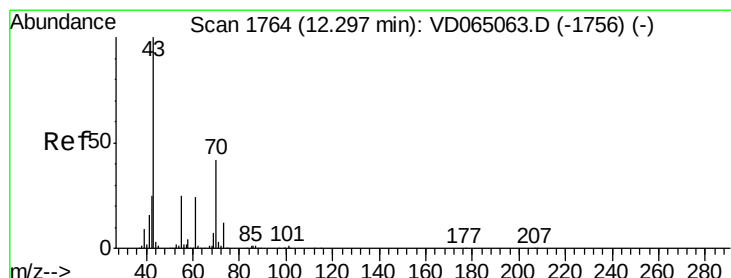
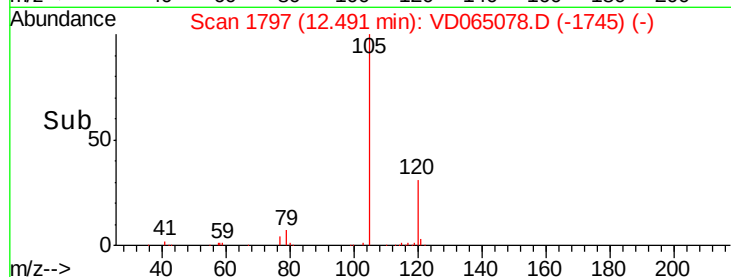
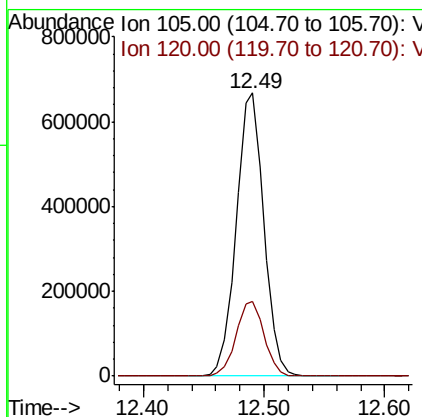
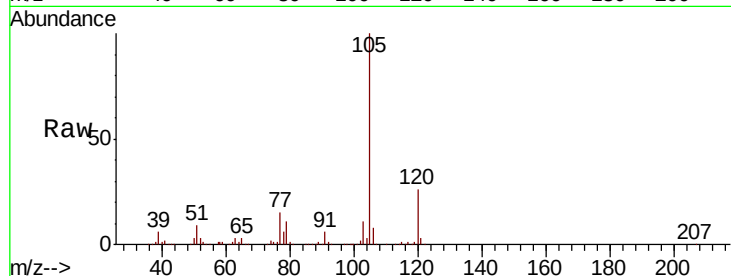




#73
Isopropylbenzene
Concen: 52.664 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

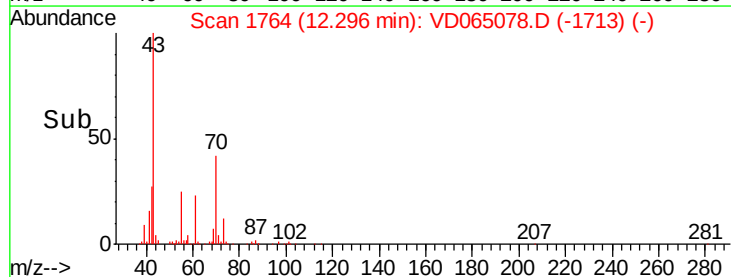
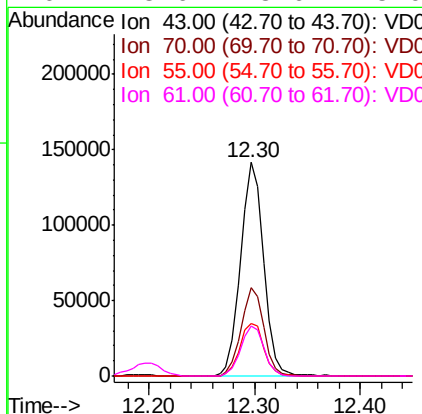
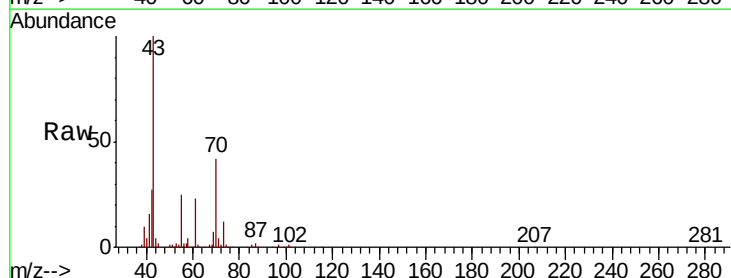
Instrument :
MSVOA_D
ClientSampleId :

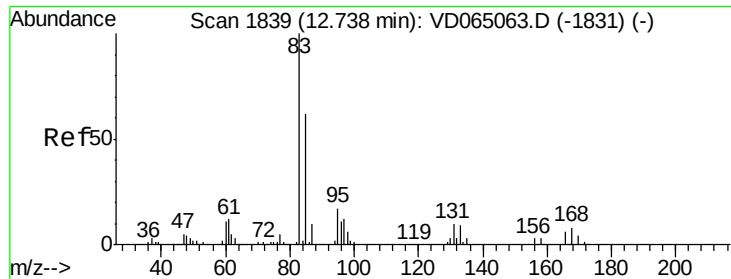
Tot Ion:105 Resp: 1062700
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9



#74
N-ethyl acetate
Concen: 48.598 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 43 Resp: 213153
Ion Ratio Lower Upper
43 100
70 41.0 33.5 50.3
55 25.9 19.4 29.2
61 23.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.271 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

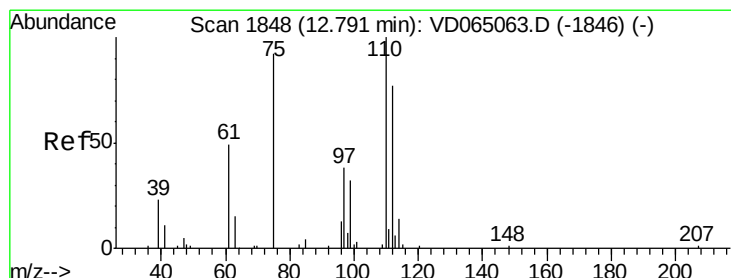
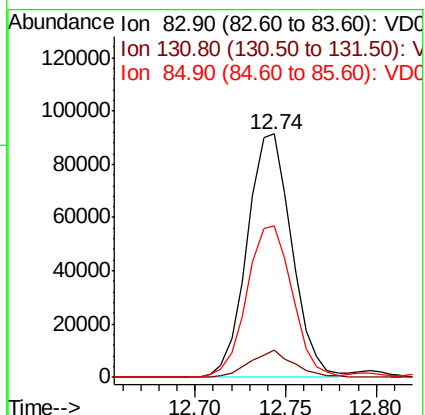
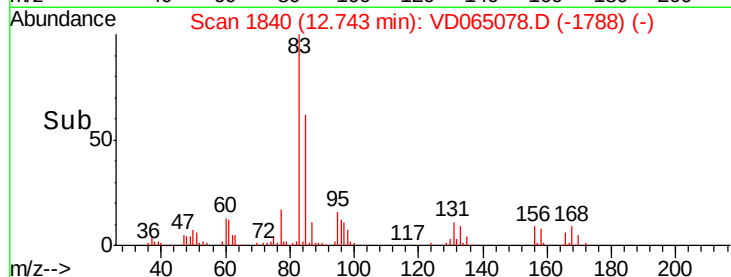
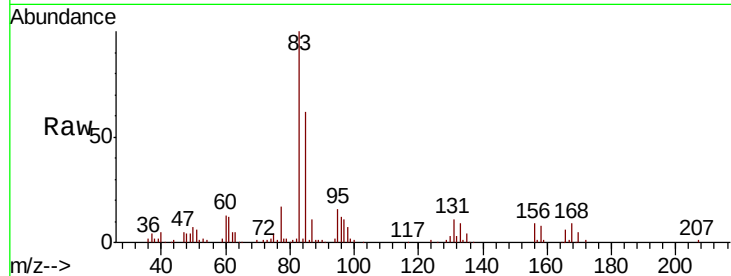
Tot Ion: 83 Resp: 156478

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

85 63.3 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 97.126 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065078.D

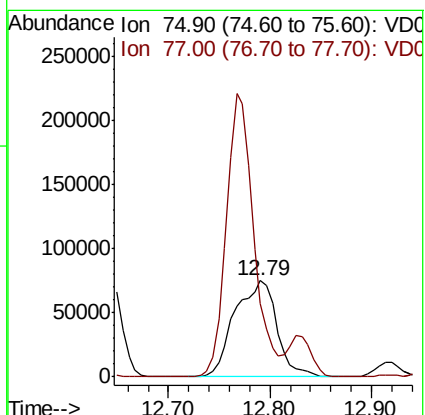
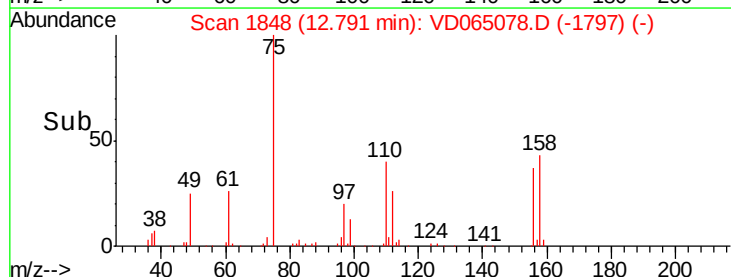
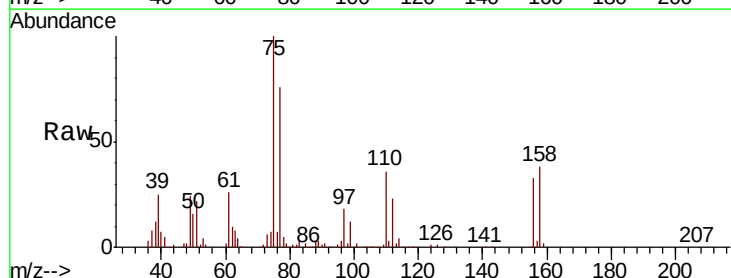
Acq: 06 Feb 2020 10:53

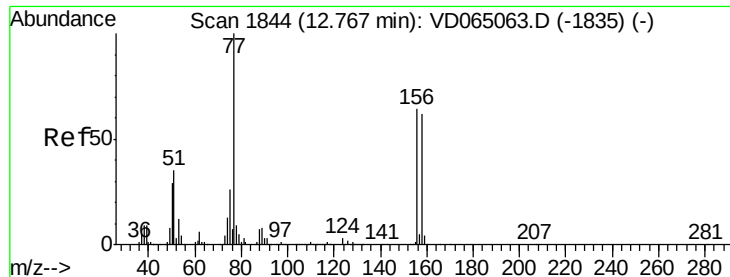
Tgt Ion: 75 Resp: 216191

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.312 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

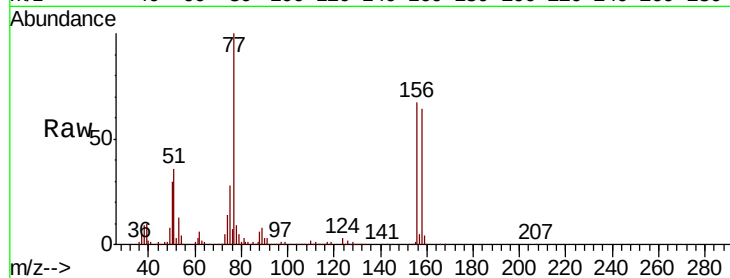
Tot Ion:156 Resp: 244606

Ion Ratio Lower Upper

156 100

77 168.8 85.6 256.8

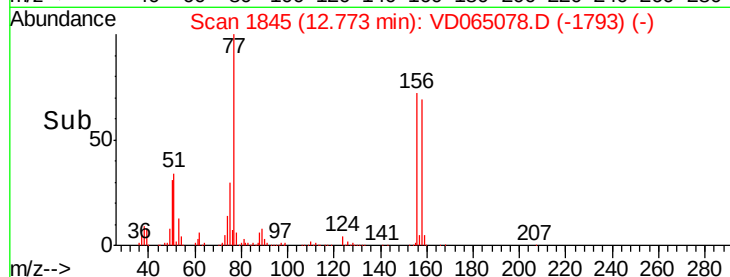
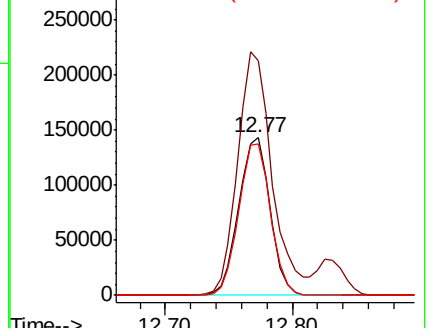
158 97.4 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.710 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065078.D

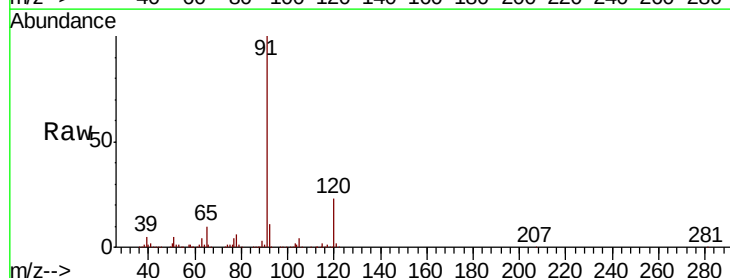
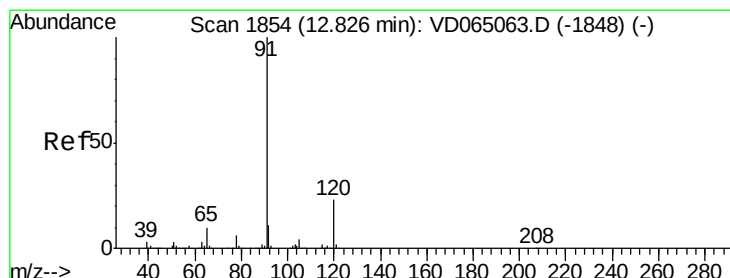
Acq: 06 Feb 2020 10:53

Tgt Ion: 91 Resp: 1269241

Ion Ratio Lower Upper

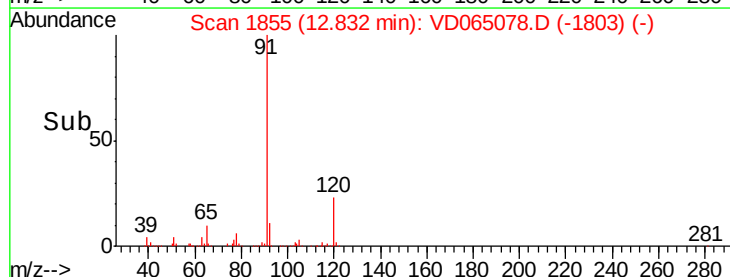
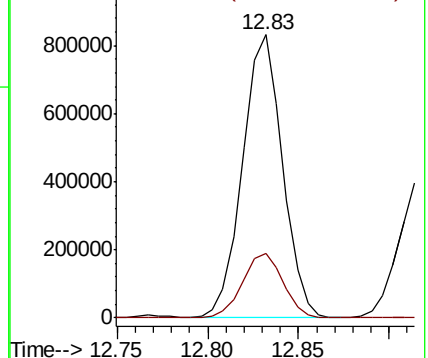
91 100

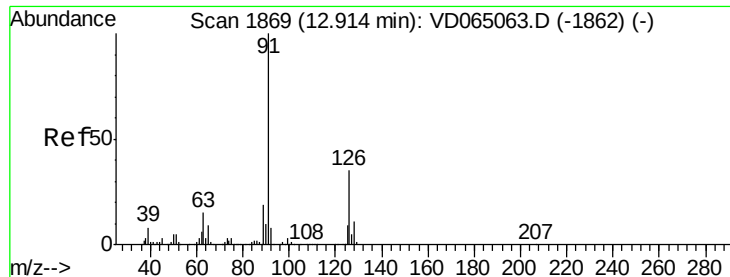
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

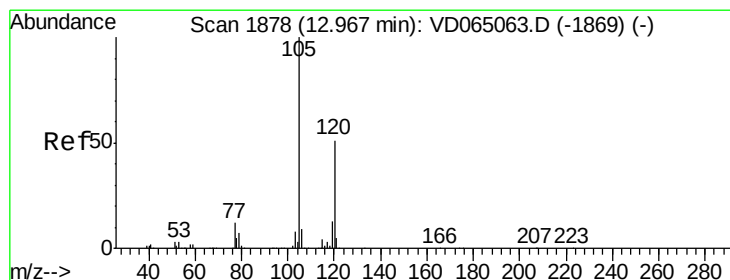
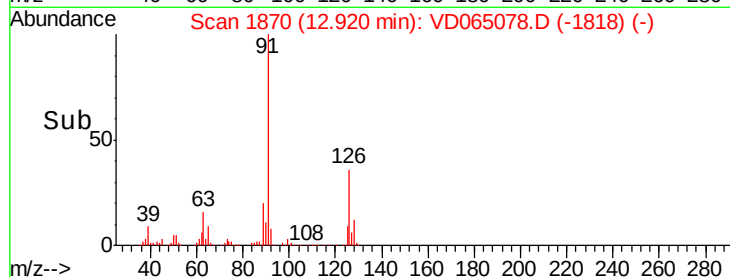
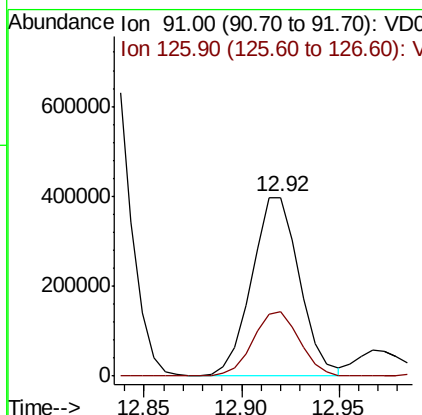
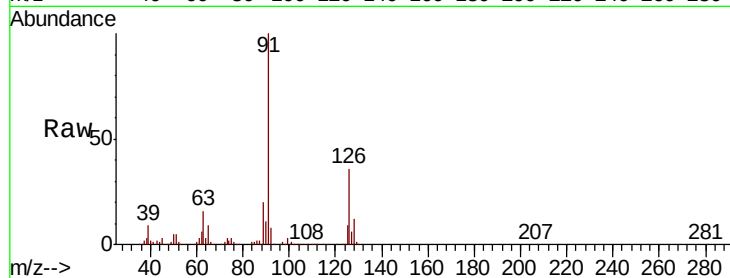




#79
 2-Chlorotoluene
 Concen: 51.268 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

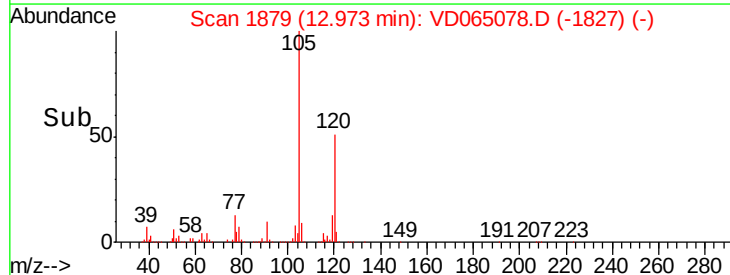
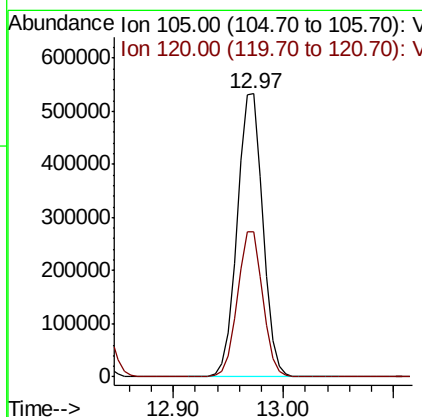
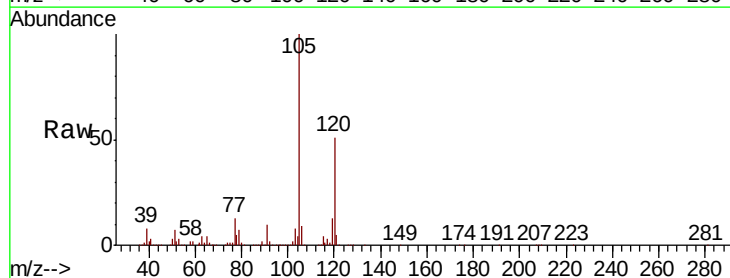
Instrument :
 MSVOA_D
 ClientSampleId :

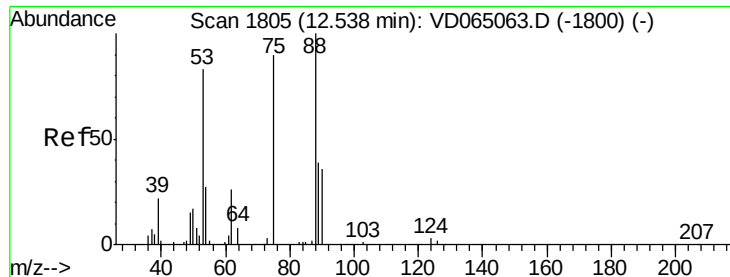
Tot Ion: 91 Resp: 675320
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 52.680 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion: 105 Resp: 869674
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.783 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

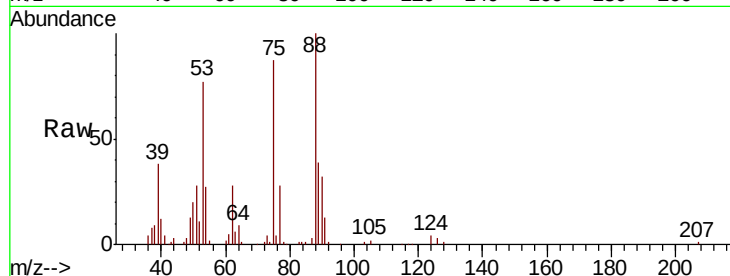
Tot Ion: 75 Resp: 54295

Ion Ratio Lower Upper

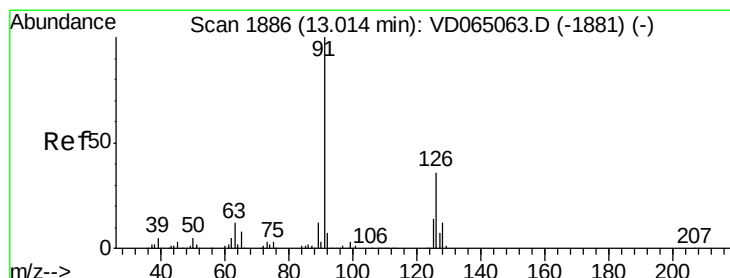
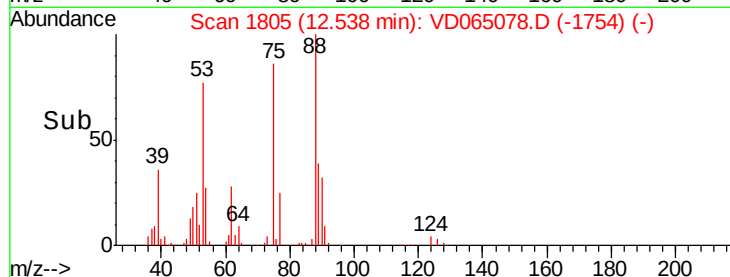
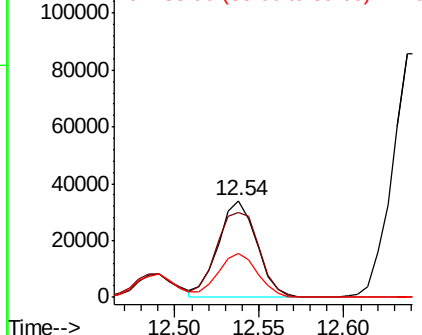
75 100

53 98.0 78.5 117.7

89 45.4 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: 51.630 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065078.D

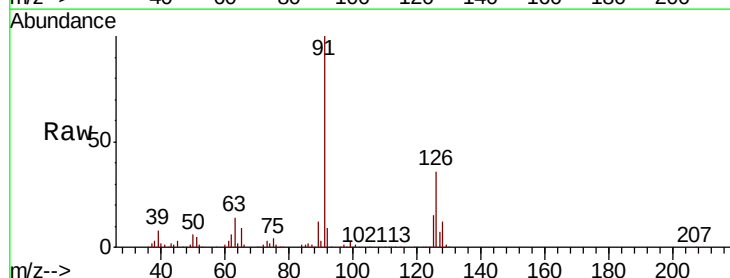
Acq: 06 Feb 2020 10:53

Tgt Ion: 91 Resp: 714259

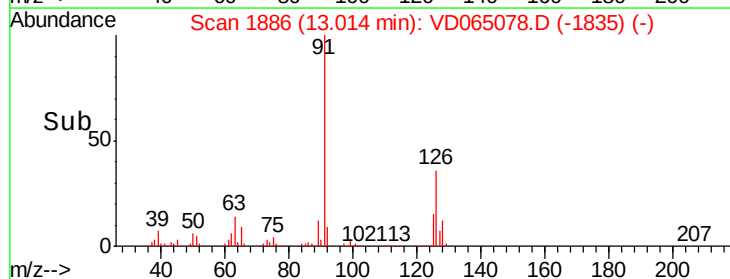
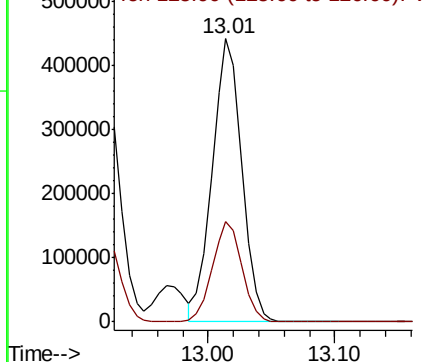
Ion Ratio Lower Upper

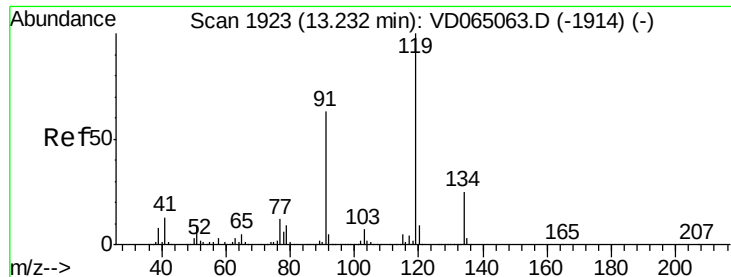
91 100

126 35.5 17.5 52.5



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

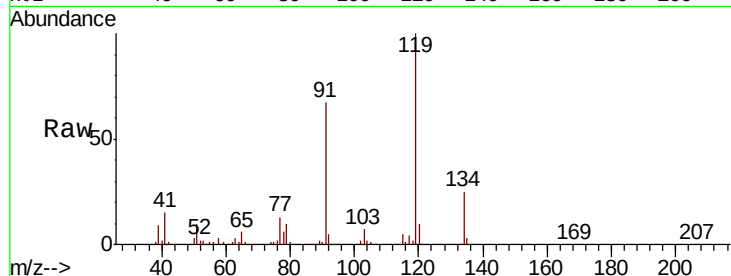




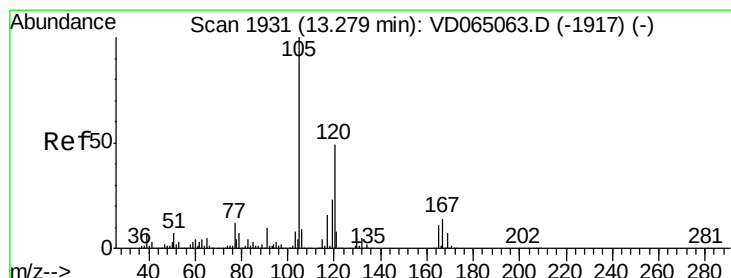
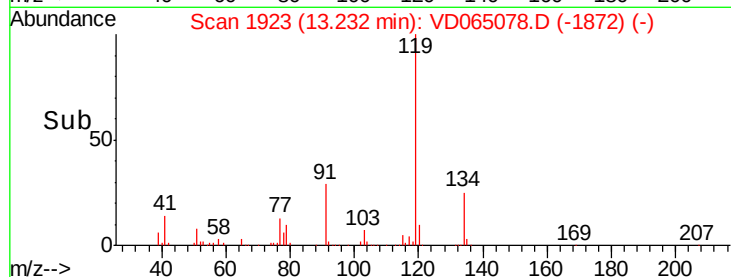
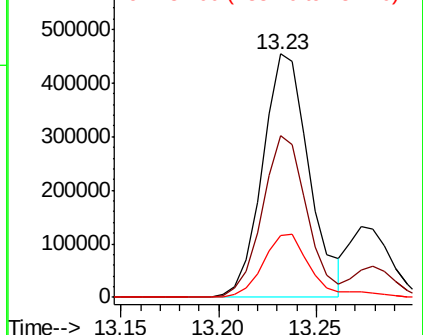
#83
 tert-Butylbenzene
 Concen: 52.802 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 752023
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.3 96.9
 134 27.1 13.8 41.3

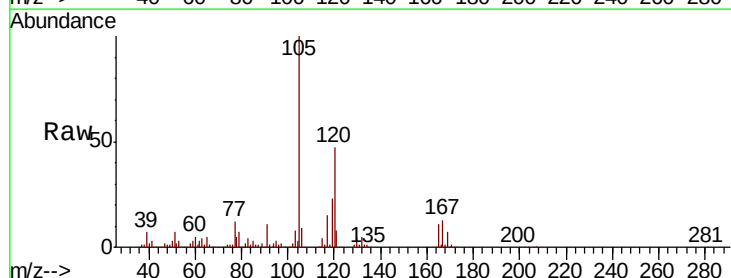


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

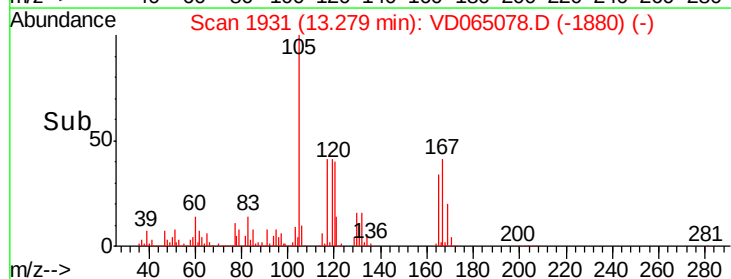
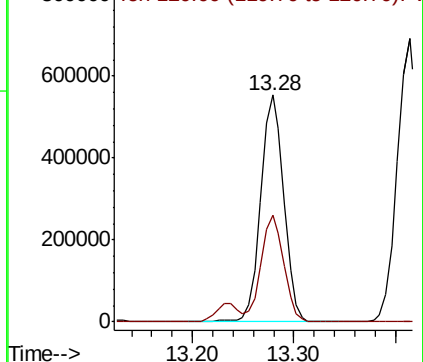


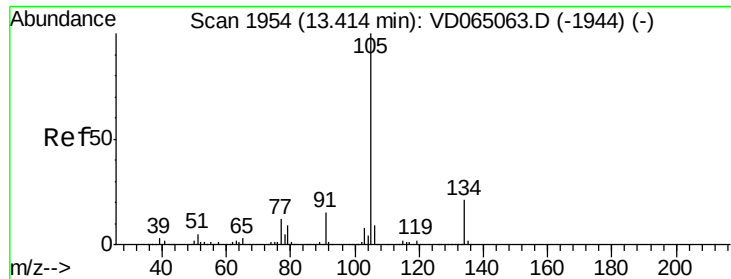
#84
 1,2,4-Trimethylbenzene
 Concen: 53.269 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion:105 Resp: 873054
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.5 70.5



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





#85

sec-Butylbenzene

Concen: 53.776 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

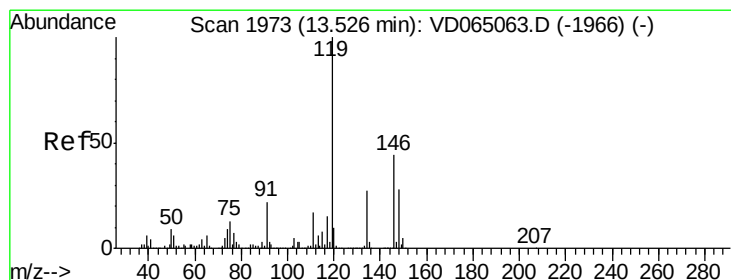
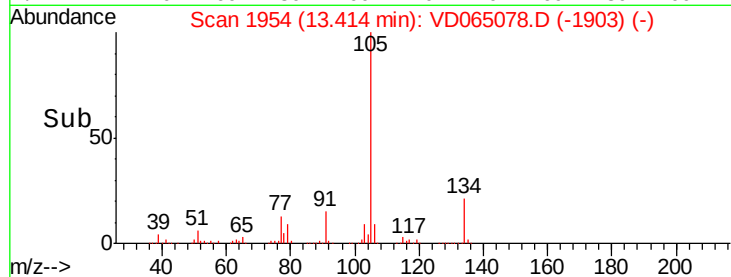
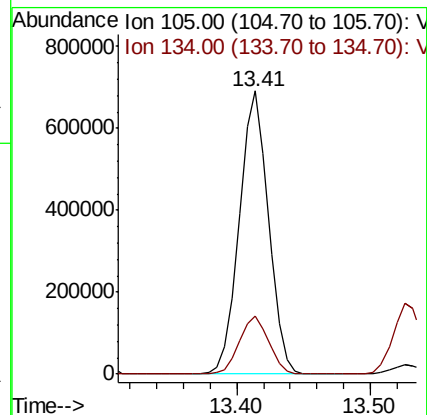
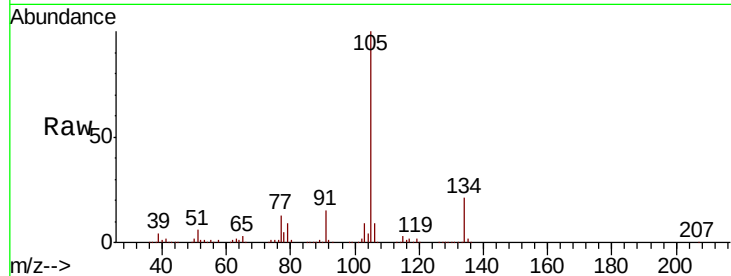
ClientSampleId :

Tot Ion:105 Resp: 1046069

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1



#86

p-Isopropyltoluene

Concen: 54.365 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

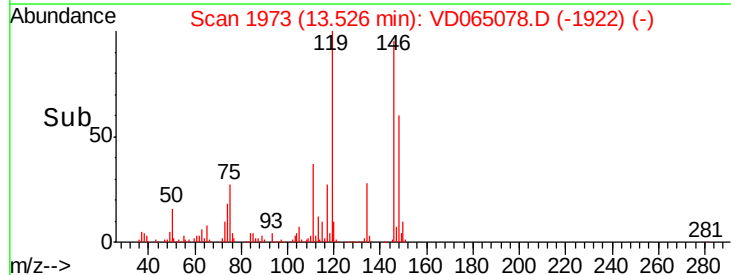
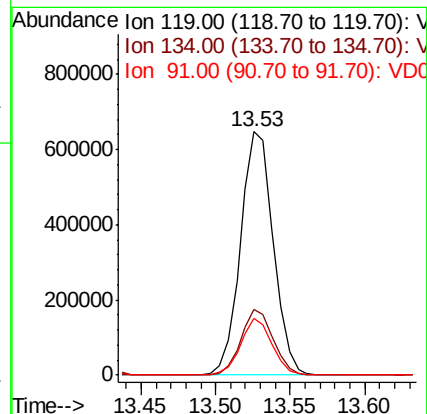
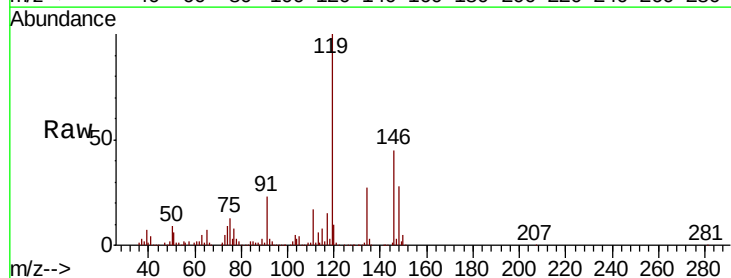
Tgt Ion:119 Resp: 982575

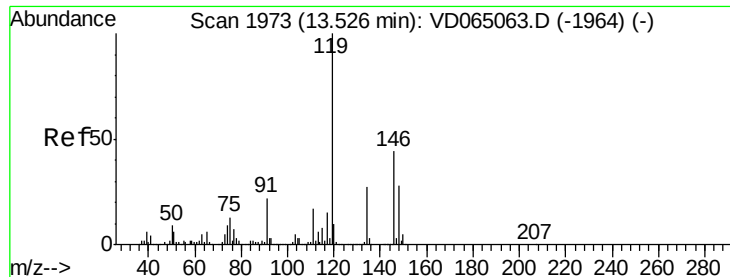
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.3 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 52.078 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

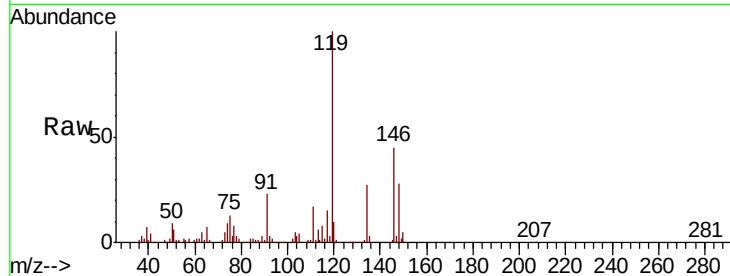
Tot Ion:146 Resp: 474054

Ion Ratio Lower Upper

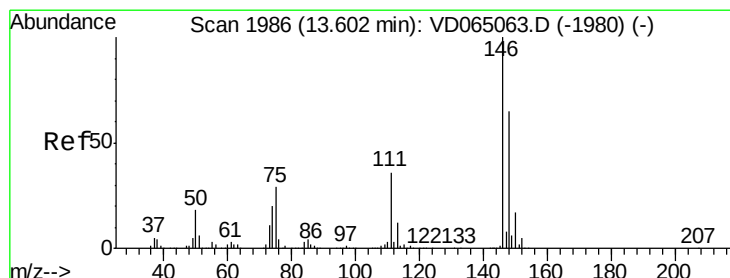
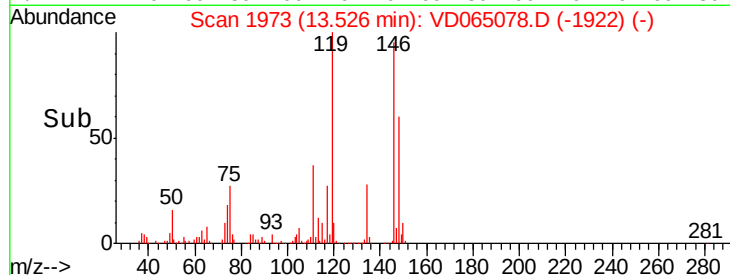
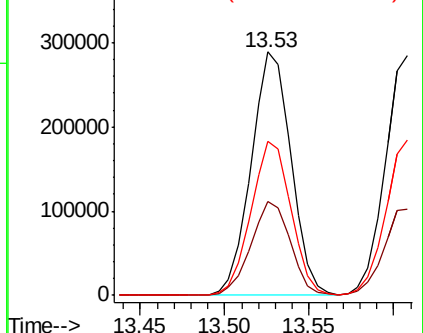
146 100

111 38.2 19.4 58.4

148 63.3 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: 51.350 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

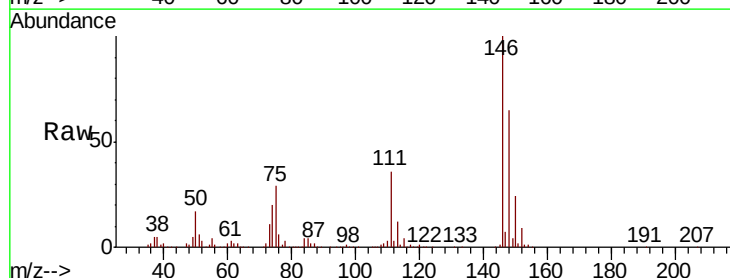
Tgt Ion:146 Resp: 465228

Ion Ratio Lower Upper

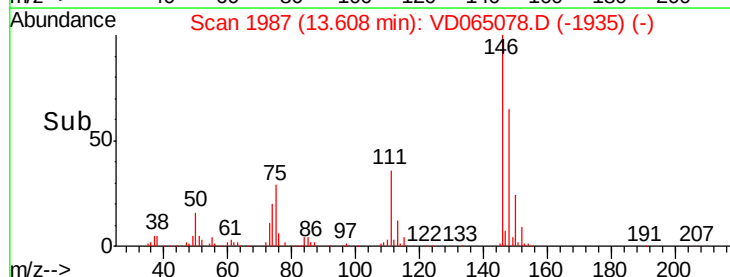
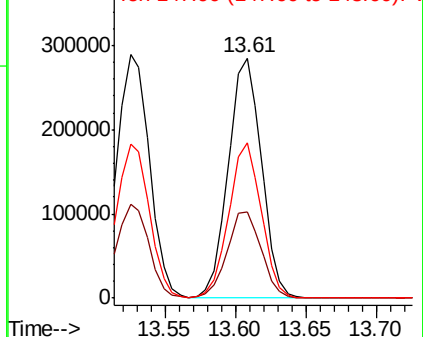
146 100

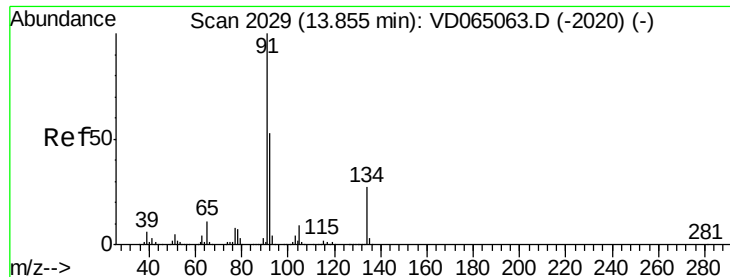
111 37.4 18.5 55.5

148 63.5 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: 53.904 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampled :

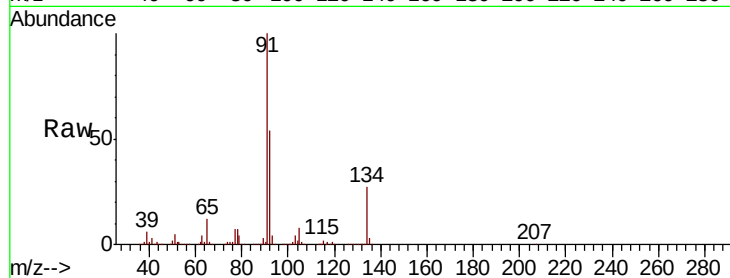
Tot Ion: 91 Resp: 899225

Ion Ratio Lower Upper

91 100

92 54.0 26.7 80.1

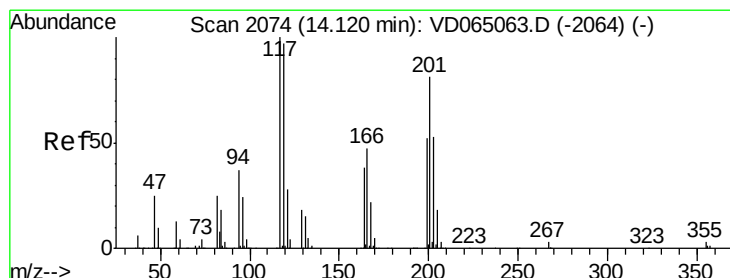
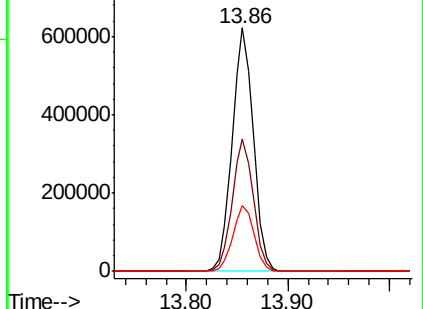
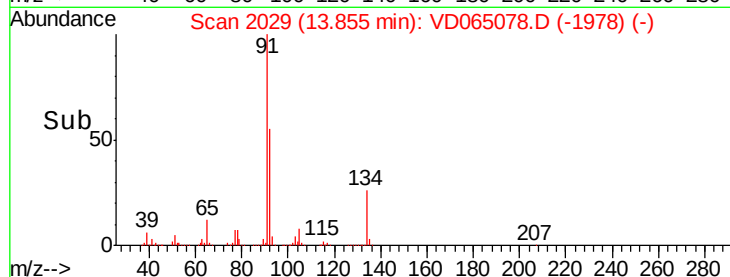
134 27.1 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.065 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065078.D

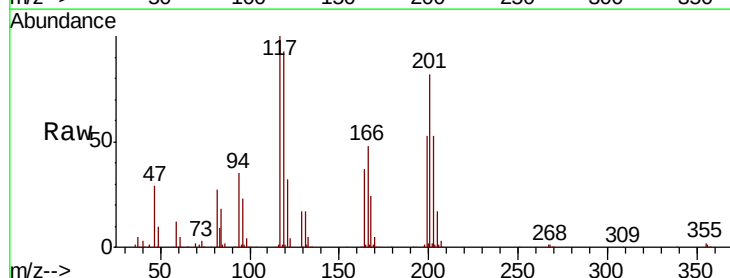
Acq: 06 Feb 2020 10:53

Tgt Ion: 117 Resp: 181611

Ion Ratio Lower Upper

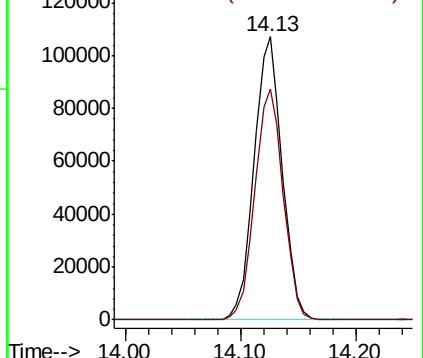
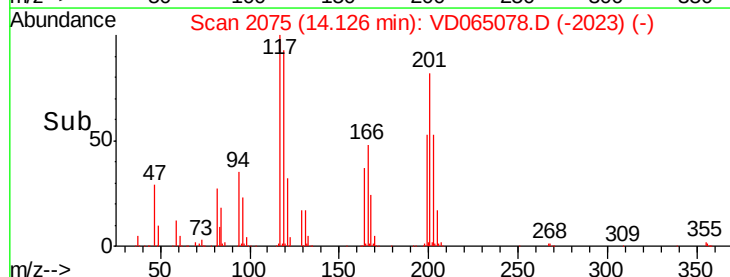
117 100

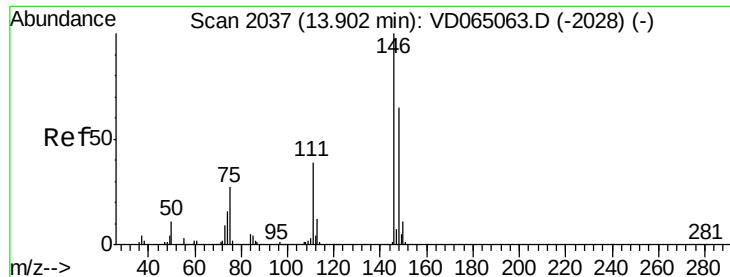
201 82.5 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

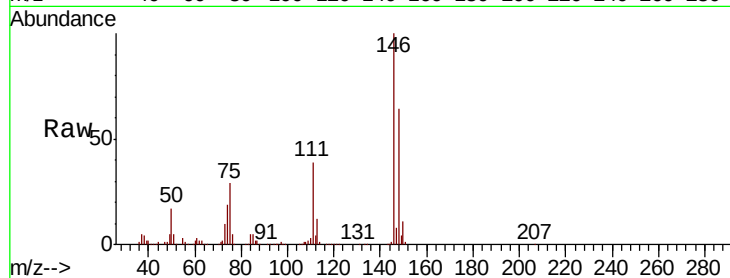




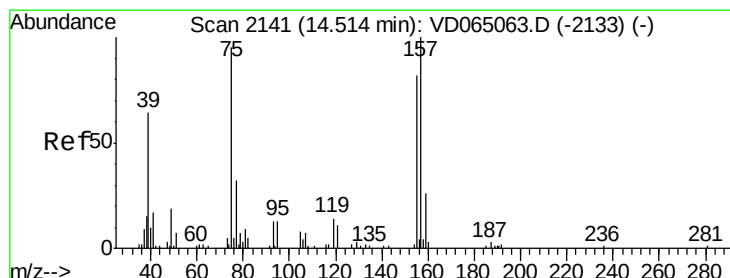
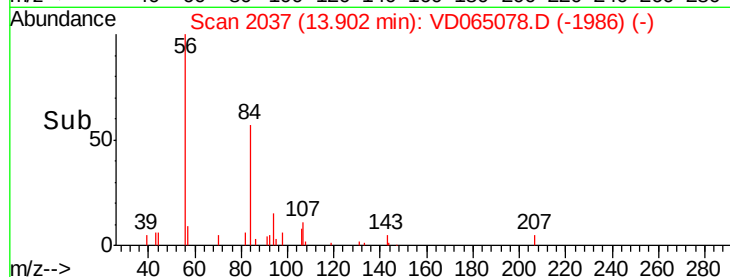
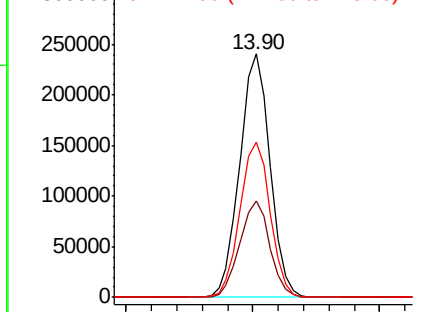
#91
 1,2-Dichlorobenzene
 Concen: 51.080 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	63.8	31.9	95.5

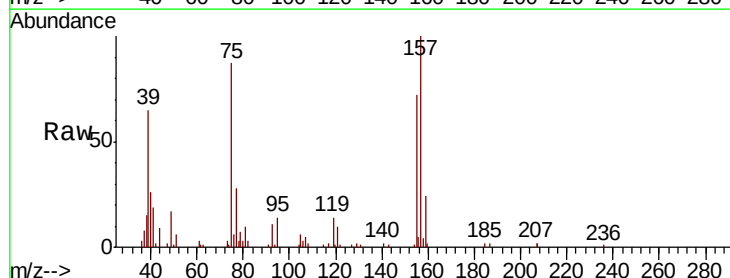


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

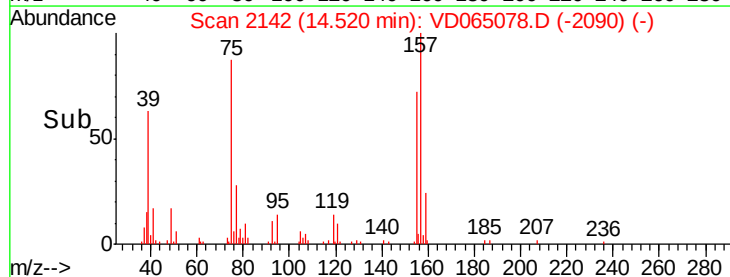
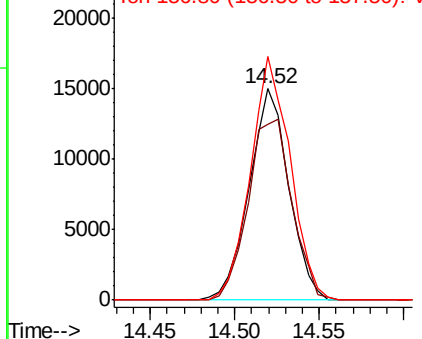


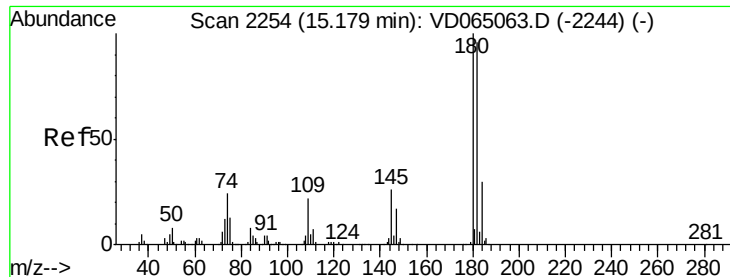
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.955 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	43.4	130.1
157	115.7	55.8	167.3



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

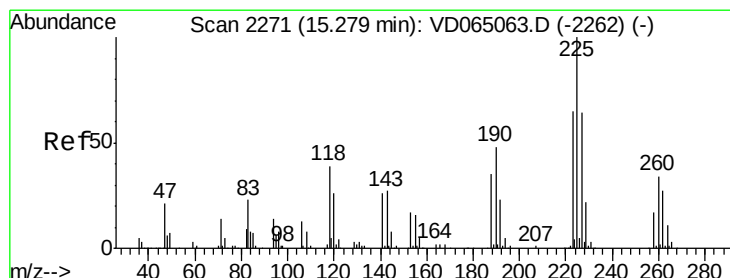
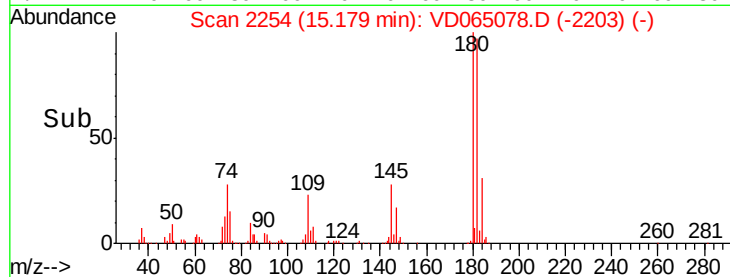
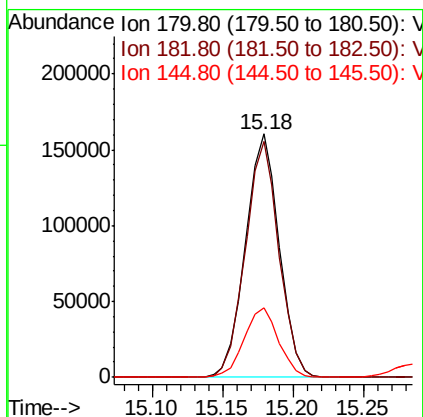
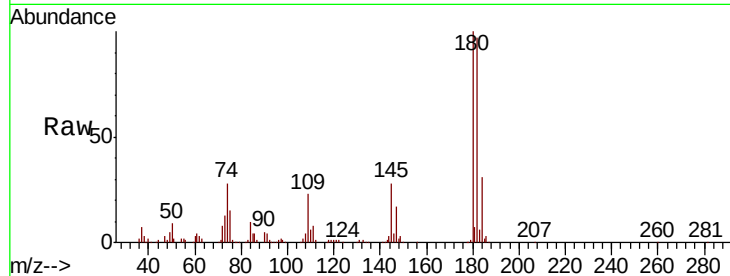




#93
 1,2,4-Trichlorobenzene
 Concen: 48.382 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

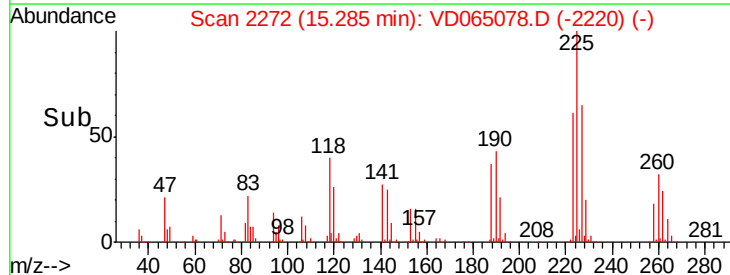
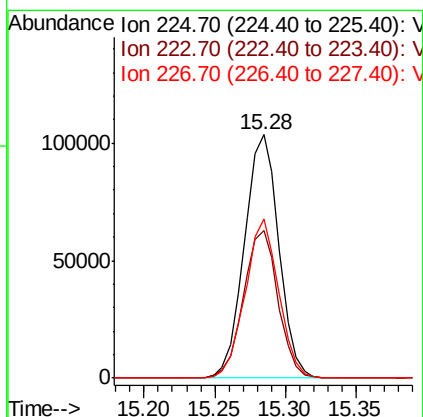
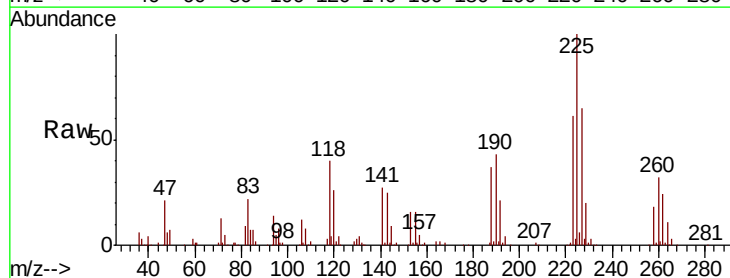
Instrument :
 MSVOA_D
 ClientSampleId :

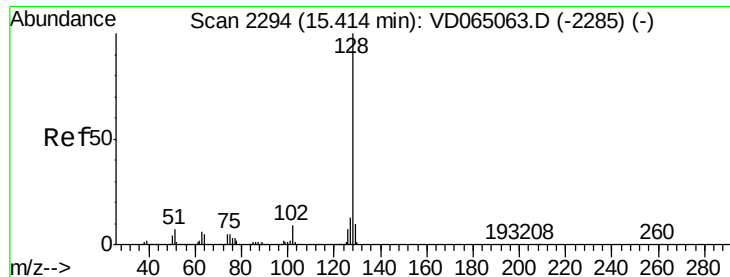
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.3
145	29.1	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 51.695 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.4	94.0
227	63.6	31.8	95.3

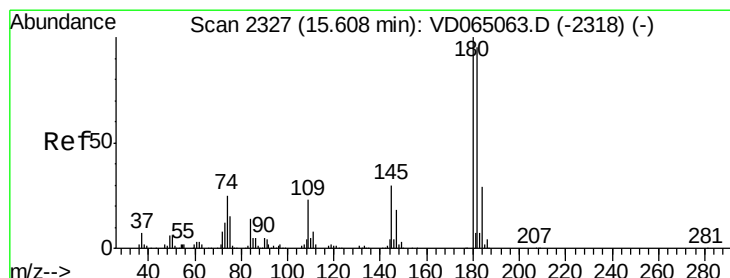
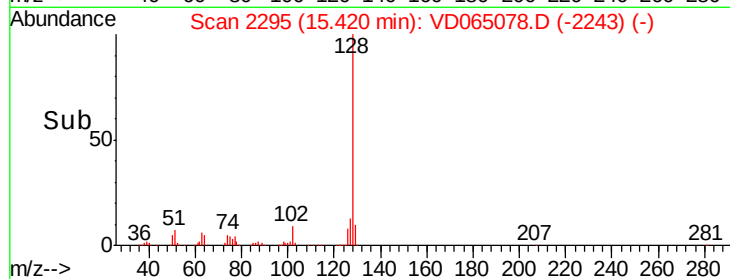
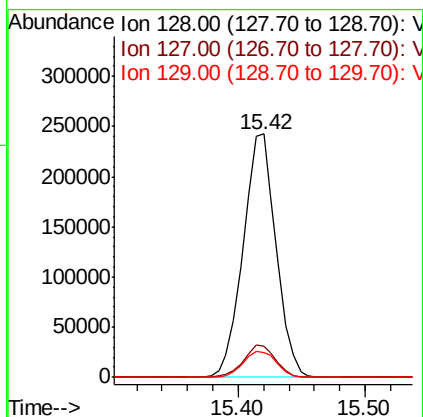
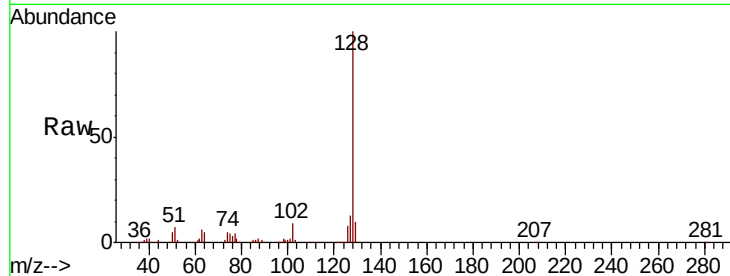




#95
Naphthalene
Concen: 47.205 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 437230
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.538 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion:180 Resp: 236132
Ion Ratio Lower Upper
180 100
182 93.8 47.1 141.4
145 29.3 14.9 44.9

