

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060520\
 Data File : VD065772.D
 Acq On : 05 Jun 2020 12:45
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 05 13:05:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 12:42:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	248387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	375905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	349406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	338631	136.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	272.38%	
35) Dibromofluoromethane	7.92	113	339977	142.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.36%	
50) Toluene-d8	10.34	98	1338070	154.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.66%	
62) 4-Bromofluorobenzene	12.64	95	446939	151.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	239008	118.04	ug/l	99
3) Chloromethane	2.21	50	377336	109.69	ug/l	99
4) Vinyl Chloride	2.35	62	457282	116.43	ug/l	97
5) Bromomethane	2.74	94	318398	115.85	ug/l	92
6) Chloroethane	2.91	64	310434	117.25	ug/l	97
7) Trichlorofluoromethane	3.27	101	541788	122.72	ug/l	99
8) Diethyl Ether	3.71	74	152217	136.17	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	326408	124.49	ug/l	99
10) Methyl Iodide	4.30	142	407940	178.38	ug/l	98
11) Tert butyl alcohol	5.23	59	91828	455.80	ug/l	98
12) 1,1-Dichloroethene	4.07	96	308534	131.15	ug/l	98
13) Acrolein	3.92	56	83397	563.95	ug/l	95
14) Allyl chloride	4.71	41	521670	136.68	ug/l	99
15) Acrylonitrile	5.43	53	345227	681.90	ug/l	100
16) Acetone	4.16	43	324998	690.06	ug/l	99
17) Carbon Disulfide	4.41	76	1020929	128.68	ug/l	99
18) Methyl Acetate	4.71	43	147398	113.74	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	728607	140.71	ug/l	99
20) Methylene Chloride	4.97	84	342661	111.10	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	371460	136.51	ug/l	97
22) Diisopropyl ether	6.36	45	1064285	138.74	ug/l	95
23) Vinyl Acetate	6.31	43	3185160	758.07	ug/l	99
24) 1,1-Dichloroethane	6.26	63	628363	132.28	ug/l	99
25) 2-Butanone	7.21	43	448653	692.04	ug/l	92
26) 2,2-Dichloropropane	7.21	77	553198	131.06	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	403349	139.17	ug/l	99
28) Bromochloromethane	7.55	49	249442	139.22	ug/l	93
29) Tetrahydrofuran	7.56	42	288351	706.61	ug/l	98
30) Chloroform	7.71	83	652283	132.83	ug/l	98
31) Cyclohexane	7.98	56	572047	122.39	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	601315	132.86	ug/l	97
36) 1,1-Dichloropropene	8.11	75	511421	138.38	ug/l	99
37) Ethyl Acetate	7.29	43	202219	140.71	ug/l	99
38) Carbon Tetrachloride	8.10	117	547578	141.26	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	640850	149.35	ug/l	99
40) Benzene	8.36	78	1425096	142.70	ug/l	98
41) Methacrylonitrile	7.56	41	284629	317.58	ug/l #	28
42) 1,2-Dichloroethane	8.43	62	410414	134.25	ug/l	99
43) Isopropyl Acetate	8.46	43	419087	148.60	ug/l	99
44) Trichloroethene	9.11	130	402576	145.14	ug/l	100
45) 1,2-Dichloropropane	9.39	63	353175	139.88	ug/l	99
46) Dibromomethane	9.48	93	193853	142.38	ug/l	100
47) Bromodichloromethane	9.67	83	514513	140.34	ug/l	99
48) Methyl methacrylate	9.46	41	205264	148.71	ug/l	97
49) 1,4-Dioxane	9.46	88	41400	2893.30	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1021320	742.90	ug/l	99
52) Toluene	10.41	92	957564	149.67	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	492573	152.48	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	575812	150.43	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	260412	144.01	ug/l	99
56) Ethyl methacrylate	10.67	69	332419	162.19	ug/l	98
57) 1,3-Dichloropropane	10.95	76	448978	143.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	741241	771.54	ug/l	100
59) 2-Hexanone	10.99	43	703546	767.83	ug/l	98
60) Dibromochloromethane	11.14	129	353717	145.39	ug/l	97
61) 1,2-Dibromoethane	11.25	107	259777	147.48	ug/l	99
64) Tetrachloroethene	10.88	164	344064	142.24	ug/l	97
65) Chlorobenzene	11.67	112	1000567	144.73	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	375827	146.76	ug/l	98
67) Ethyl Benzene	11.75	91	1836664	150.27	ug/l	97
68) m/p-Xylenes	11.86	106	1411430	299.95	ug/l	100
69) o-Xylene	12.18	106	657235	157.38	ug/l	99
70) Styrene	12.20	104	1132683	157.01	ug/l	99
71) Bromoform	12.37	173	209182	149.50	ug/l #	99
73) Isopropylbenzene	12.48	105	1806832	150.81	ug/l	100
74) N-amyl acetate	12.29	43	396485	149.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	279142	134.04	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	376994	270.58	ug/l #	100
77) Bromobenzene	12.77	156	419724	147.75	ug/l	98
78) n-propylbenzene	12.83	91	2114729	145.44	ug/l	98
79) 2-Chlorotoluene	12.91	91	1153221	144.49	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1493162	149.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	98375	155.81	ug/l	95
82) 4-Chlorotoluene	13.01	91	1216533	141.11	ug/l	99
83) tert-Butylbenzene	13.23	119	1310399	152.03	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1489029	149.30	ug/l	99
85) sec-Butylbenzene	13.41	105	1784947	147.72	ug/l	100
86) p-Isopropyltoluene	13.52	119	1674386	152.62	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	804641	141.90	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	798365	141.13	ug/l	98
89) n-Butylbenzene	13.85	91	1561409	148.04	ug/l	99
90) Hexachloroethane	14.12	117	323639	145.17	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	695848	143.10	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	45718	132.70	ug/l	98

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QLast Update : Fri Jun 05 12:42:03 2020
Response via : Initial Calibration

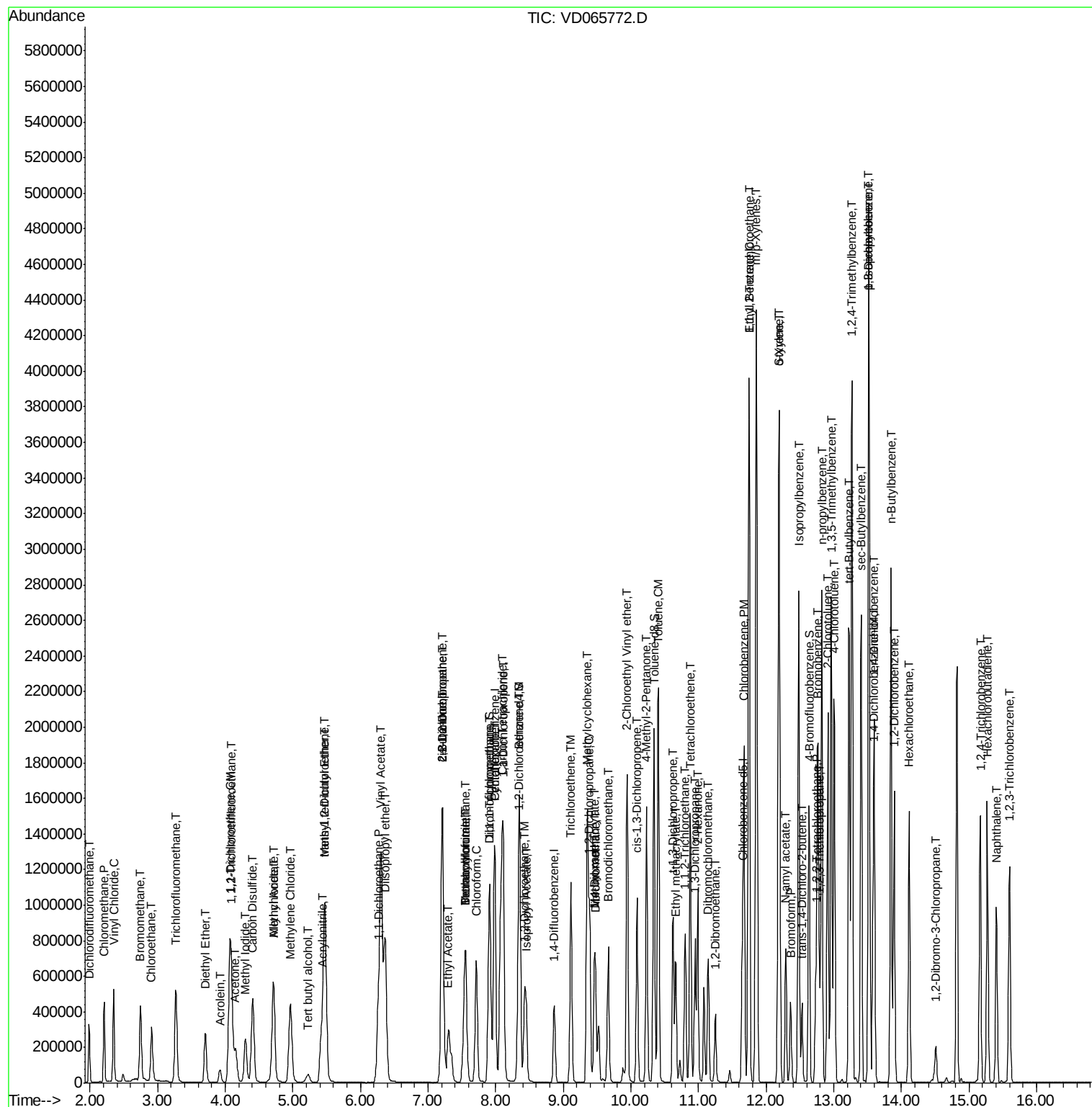
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	500042	155.22	ug/l	99
94) Hexachlorobutadiene	15.27	225	296742	149.58	ug/l	98
95) Naphthalene	15.41	128	868350	161.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	434158	156.76	ug/l	98

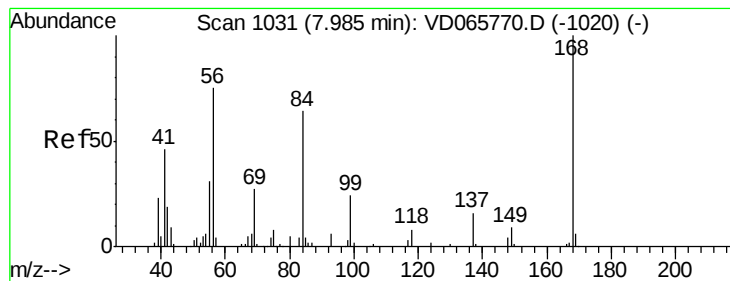
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 05 Jun 2020 12:45
Operator : VA/SY
Sample : VSTDIC150
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Quant Time: Jun 05 13:05:14 2020
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Quant Title : SW846 8260
QLast Update : Fri Jun 05 12:42:03 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

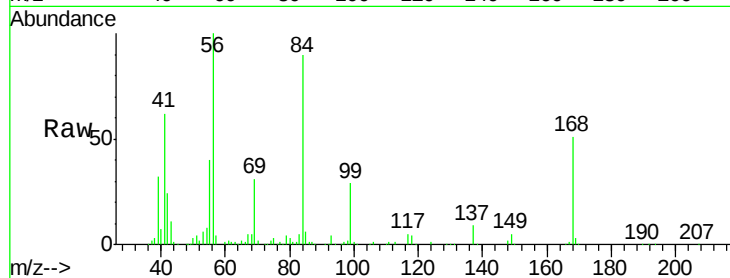
VSTDIC150

Tgt Ion:168 Resp: 248387

Ion Ratio Lower Upper

168 100

99 57.9 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

100000

50000

0

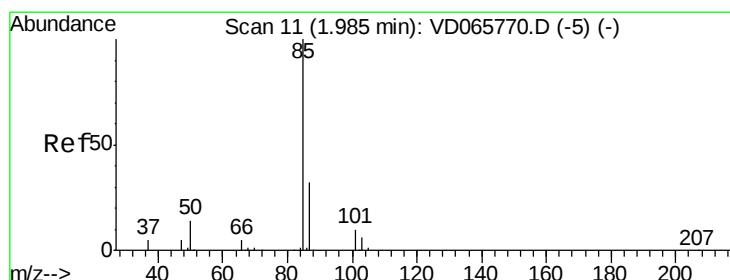
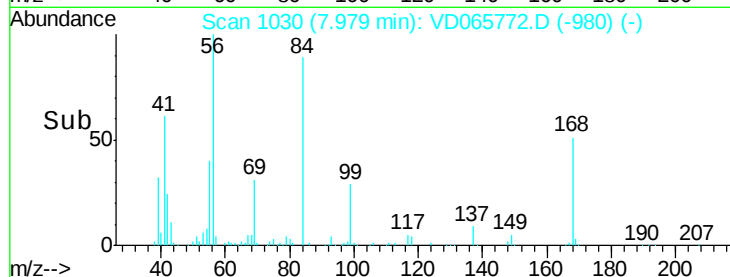
7.90

7.98

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 118.04 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065772.D

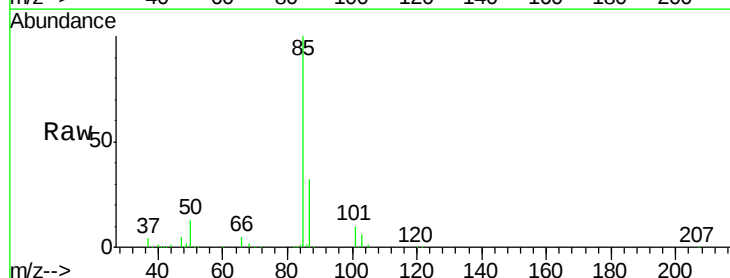
Acq: 05 Jun 2020 12:45

Tgt Ion: 85 Resp: 239008

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

200000

150000

100000

50000

0

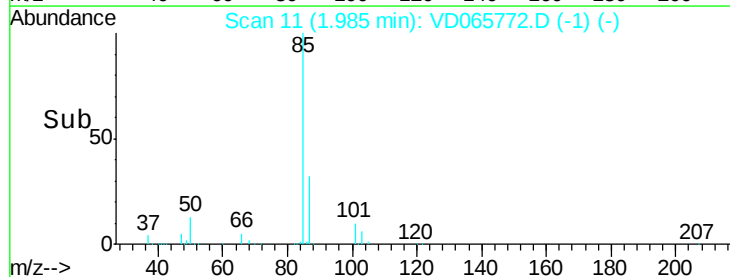
1.90

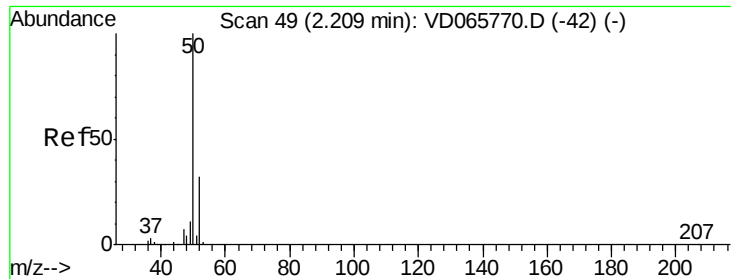
1.99

2.00

2.10

Time-->





#3

Chloromethane

Concen: 109.69 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

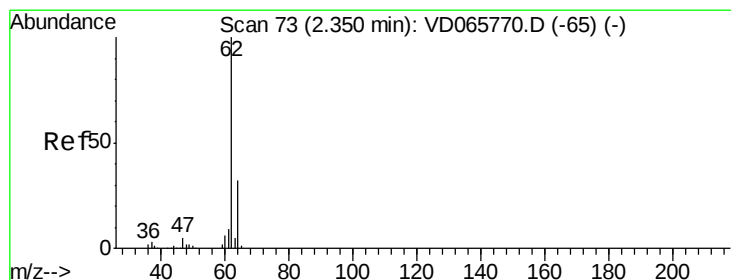
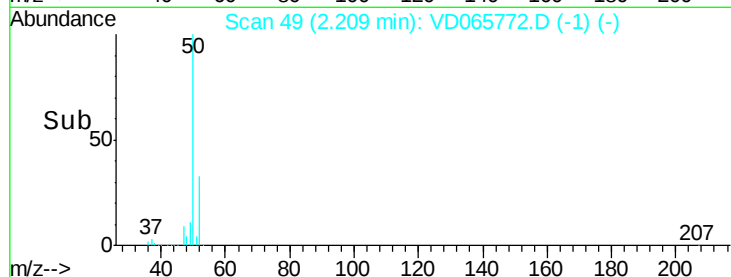
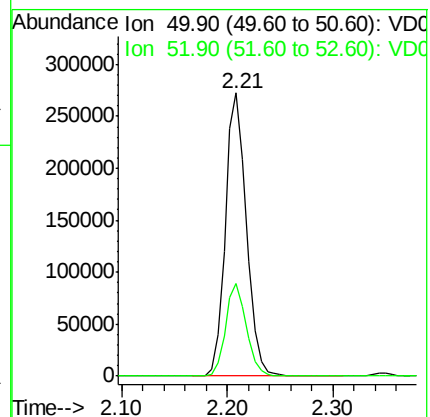
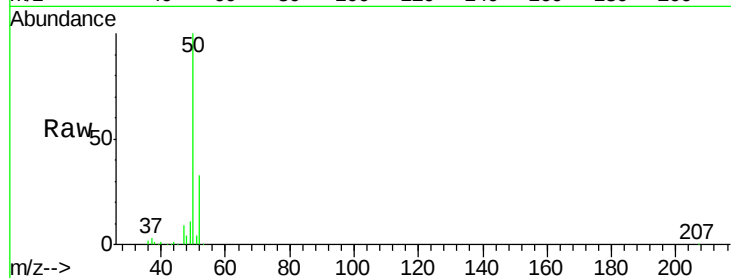
VSTDIC150

Tgt Ion: 50 Resp: 377336

Ion Ratio Lower Upper

50 100

52 32.7 25.6 38.4



#4

Vinyl Chloride

Concen: 116.43 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065772.D

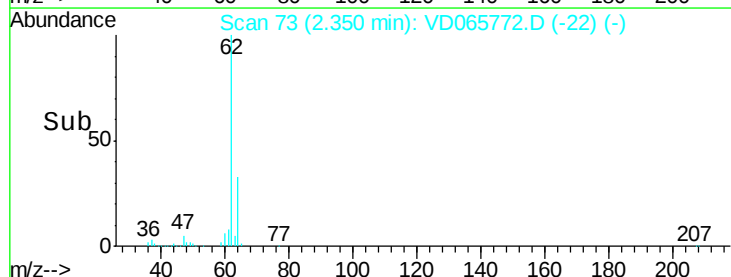
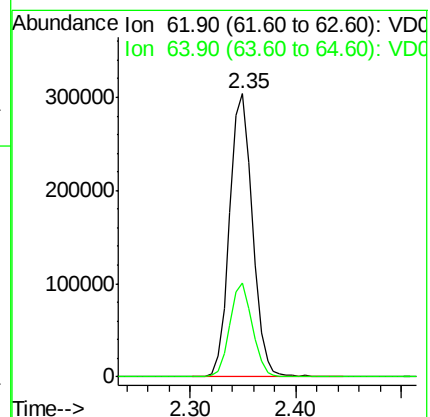
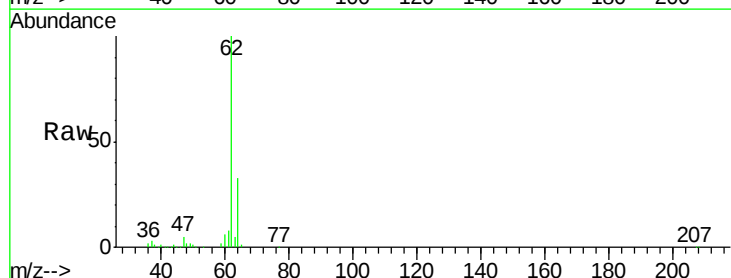
Acq: 05 Jun 2020 12:45

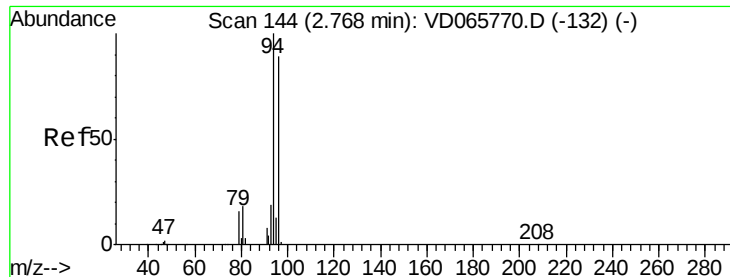
Tgt Ion: 62 Resp: 457282

Ion Ratio Lower Upper

62 100

64 33.3 25.3 37.9





#5

Bromomethane

Concen: 115.85 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

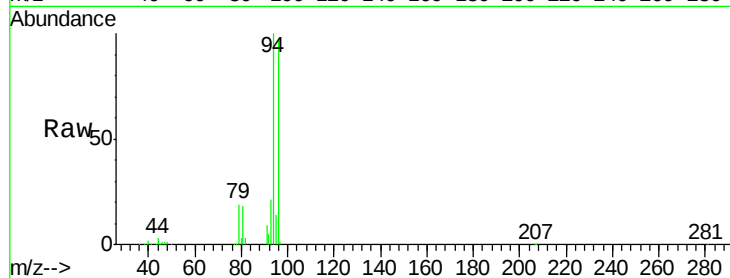
VSTDIC150

Tgt Ion: 94 Resp: 318398

Ion Ratio Lower Upper

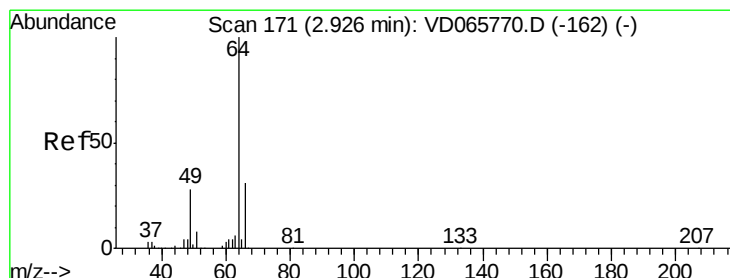
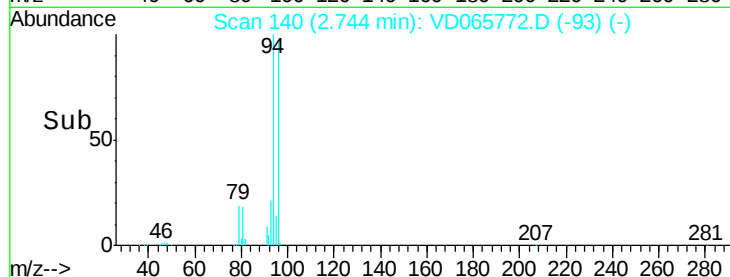
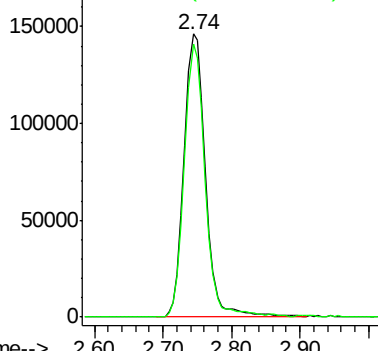
94 100

96 96.6 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 117.25 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.02 min

Lab File: VD065772.D

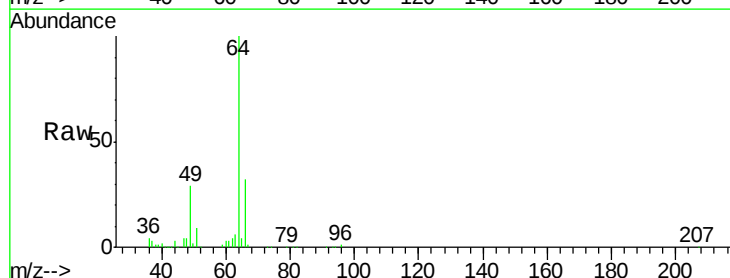
Acq: 05 Jun 2020 12:45

Tgt Ion: 64 Resp: 310434

Ion Ratio Lower Upper

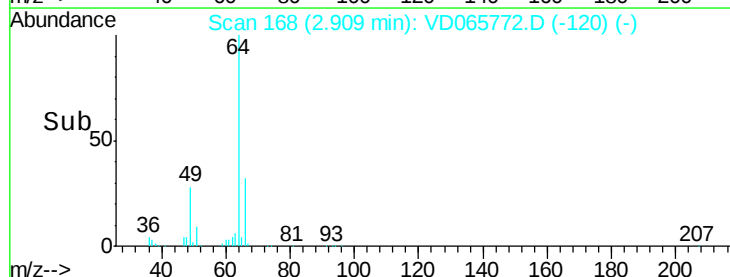
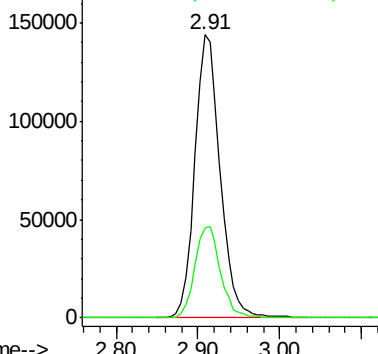
64 100

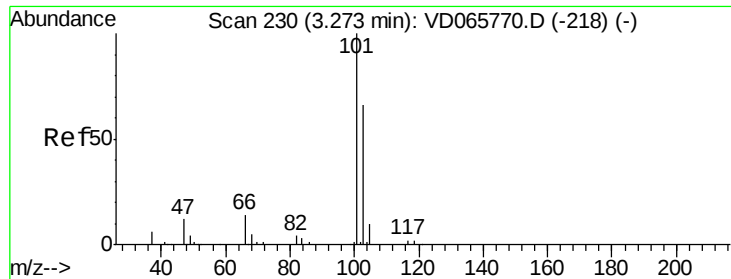
66 32.0 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



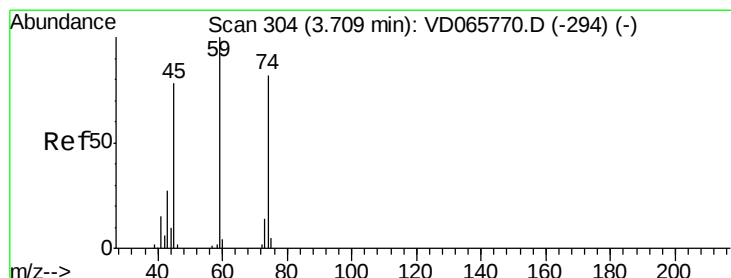
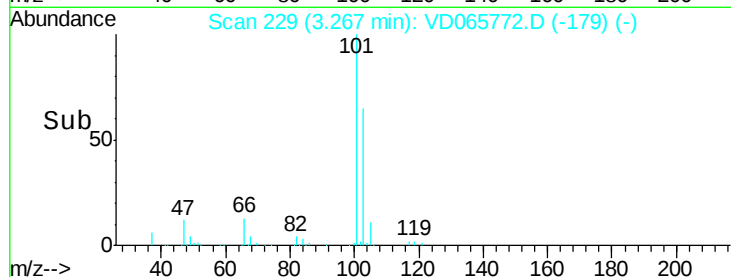
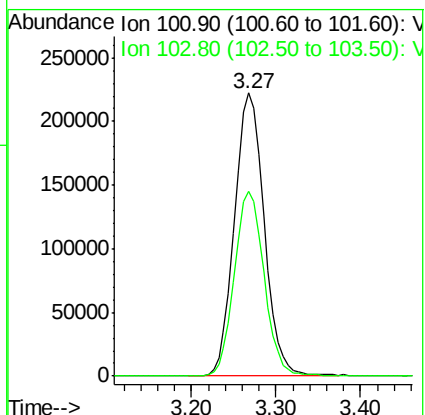
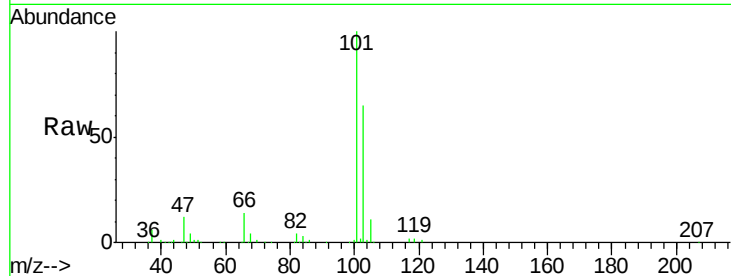


#7

Trichlorofluoromethane
 Concen: 122.72 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
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 VSTDIC150

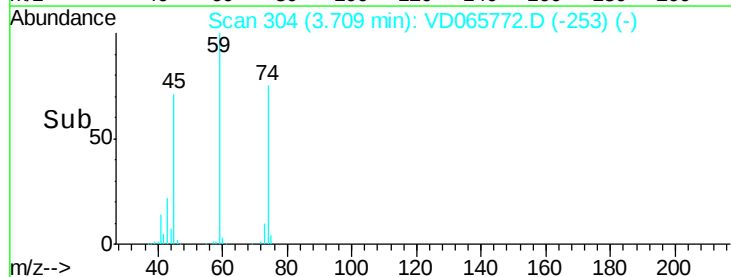
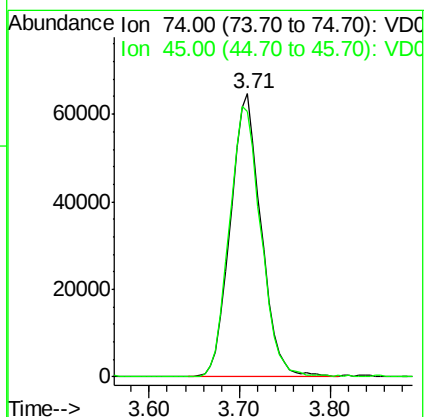
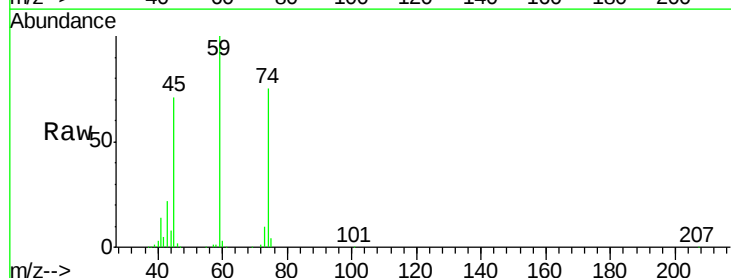
Tgt Ion:101 Resp: 541788
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.1 79.7

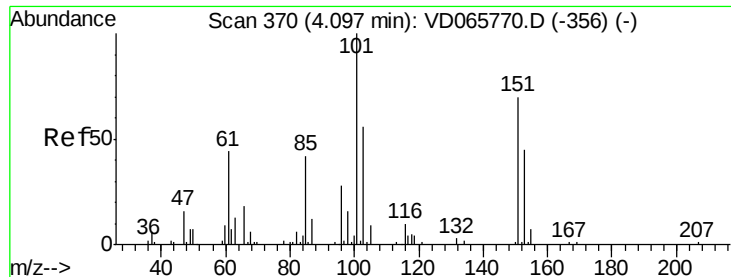


#8

Diethyl Ether
 Concen: 136.17 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 74 Resp: 152217
 Ion Ratio Lower Upper
 74 100
 45 98.6 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 124.49 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

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VSTDIC150

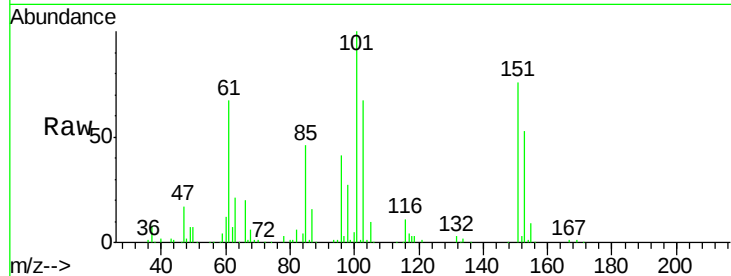
Tgt Ion:101 Resp: 326408

Ion Ratio Lower Upper

101 100

85 44.8 36.5 54.7

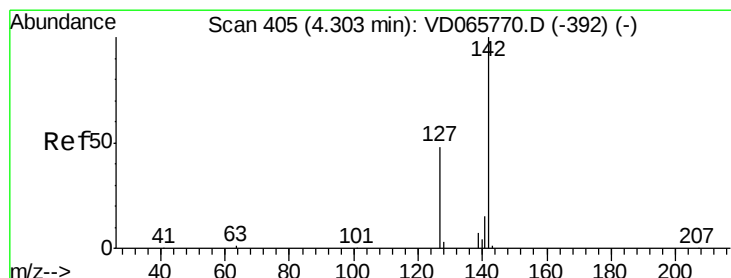
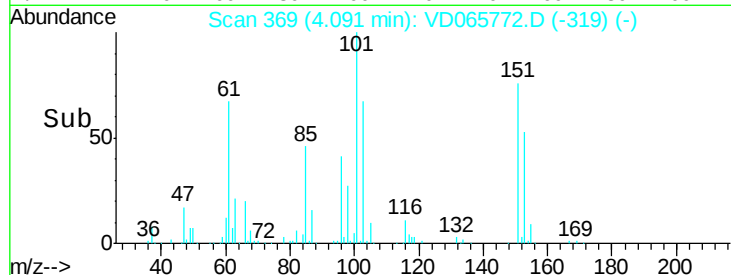
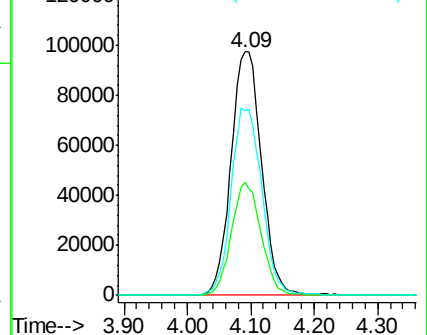
151 77.0 61.8 92.6



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: 178.38 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

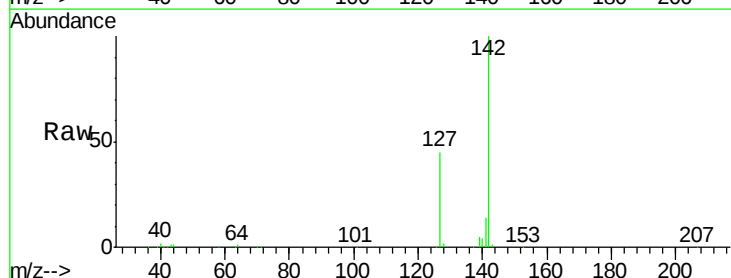
Tgt Ion:142 Resp: 407940

Ion Ratio Lower Upper

142 100

127 45.8 37.6 56.4

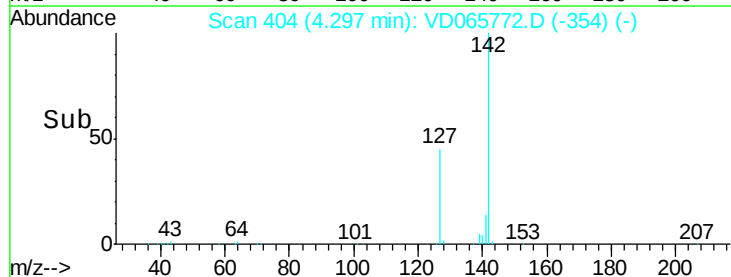
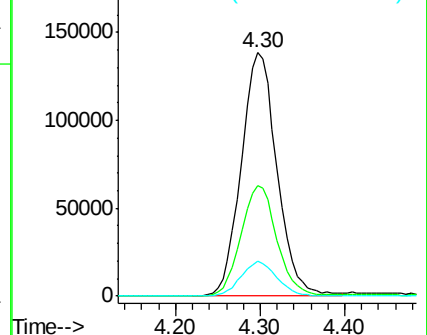
141 14.3 12.1 18.1

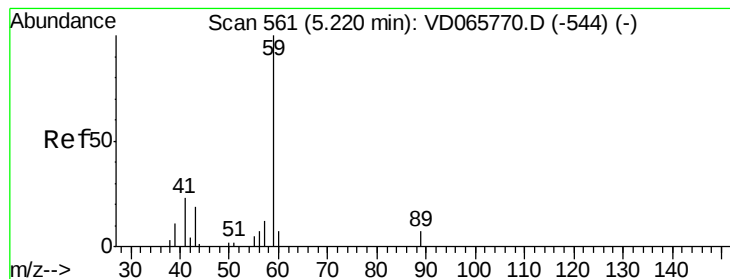


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



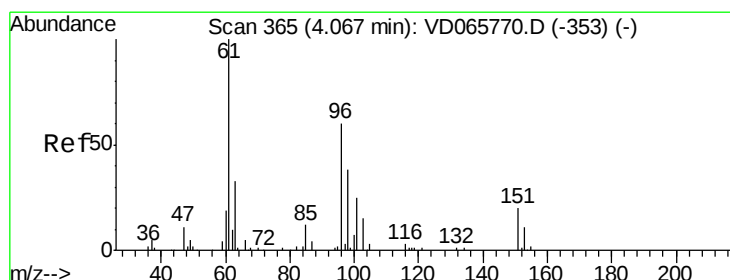
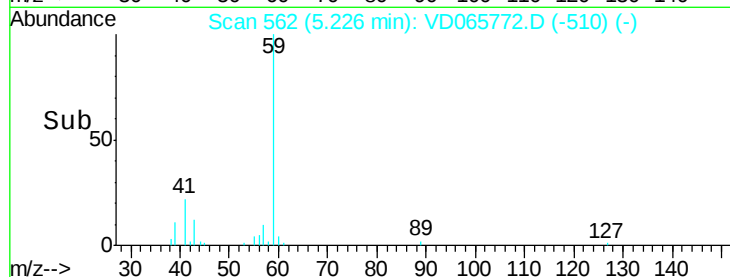
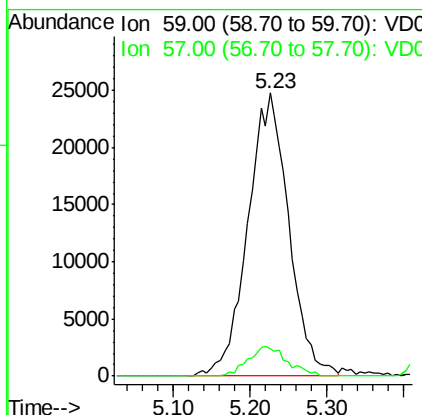
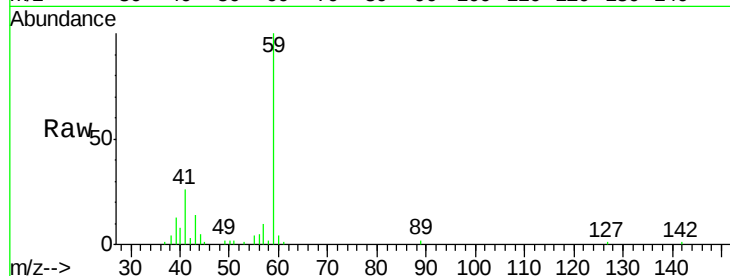


#11

Tert butyl alcohol
 Concen: 455.80 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

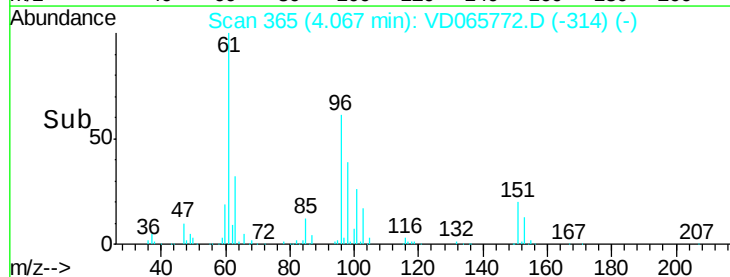
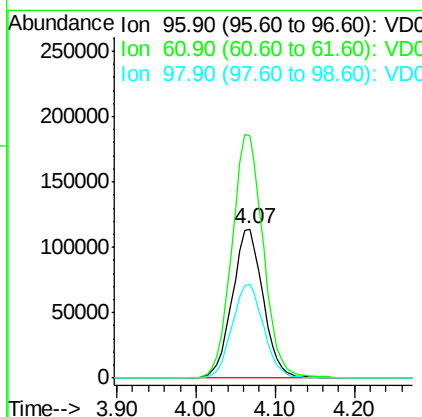
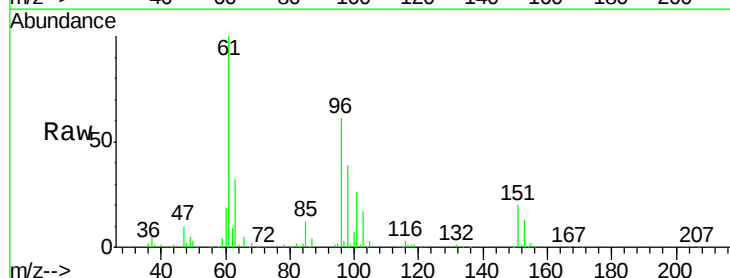
Tgt Ion: 59 Resp: 91828
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.5 11.3

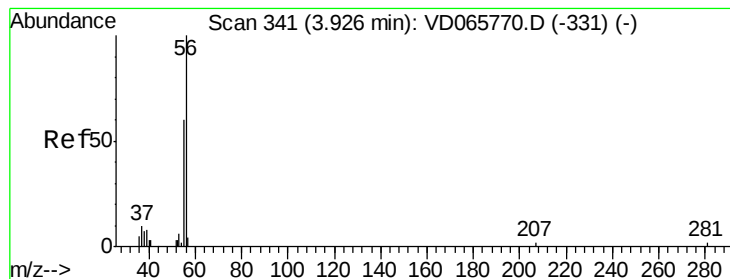


#12

1,1-Dichloroethene
 Concen: 131.15 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 96 Resp: 308534
 Ion Ratio Lower Upper
 96 100
 61 162.7 132.3 198.5
 98 62.8 50.7 76.1





#13

Acrolein

Concen: 563.95 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

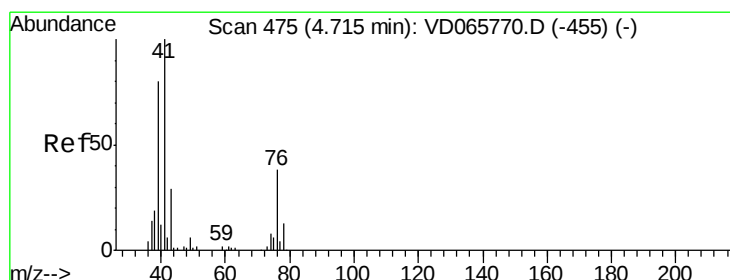
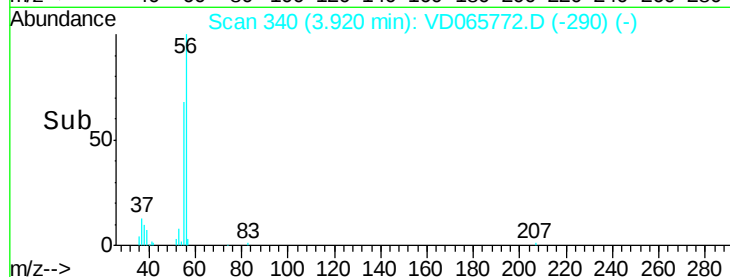
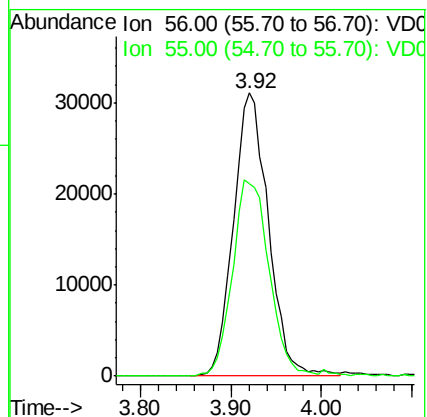
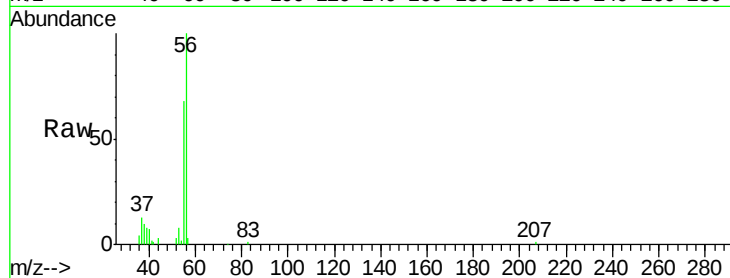
VSTDIC150

Tgt Ion: 56 Resp: 83397

Ion Ratio Lower Upper

56 100

55 72.2 54.8 82.2



#14

Allyl chloride

Concen: 136.68 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

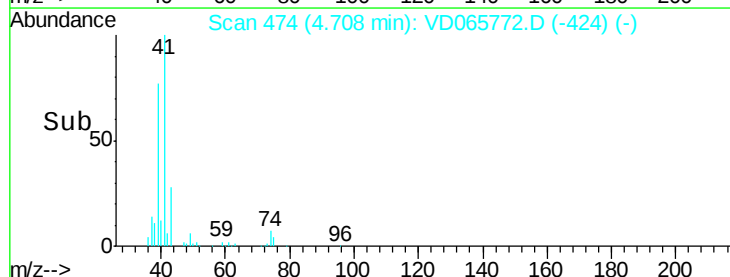
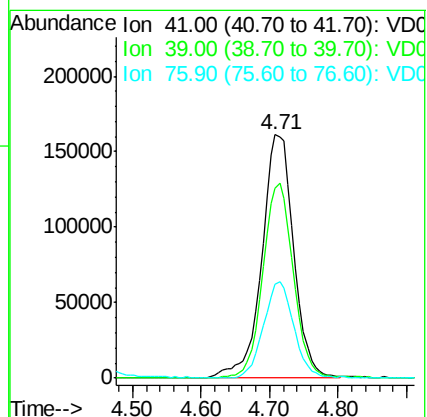
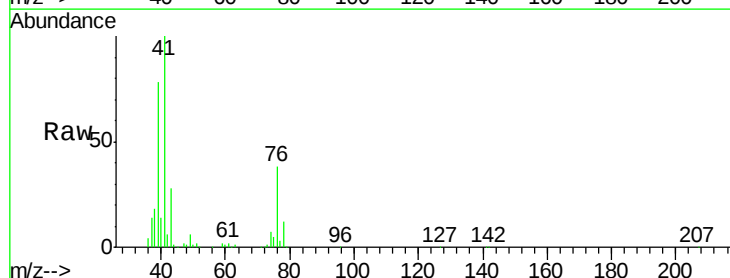
Tgt Ion: 41 Resp: 521670

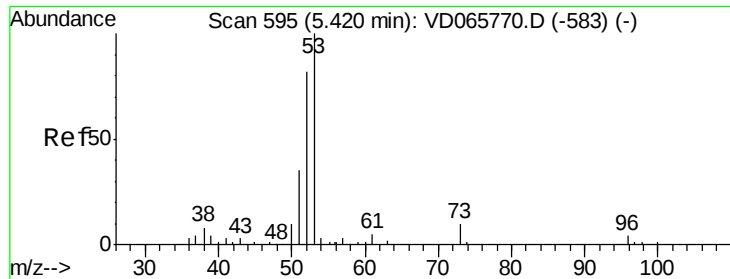
Ion Ratio Lower Upper

41 100

39 76.8 60.9 91.3

76 36.8 28.9 43.3





#15

Acrylonitrile

Concen: 681.90 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

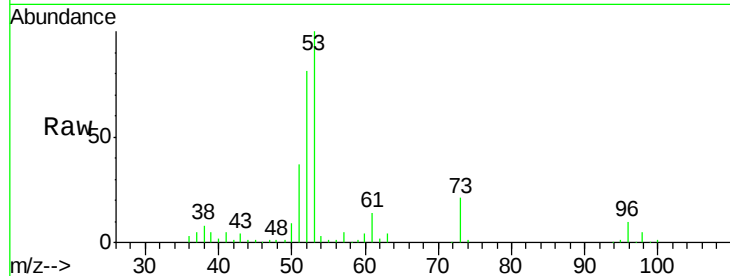
Tgt Ion: 53 Resp: 345227

Ion Ratio Lower Upper

53 100

52 82.6 66.2 99.2

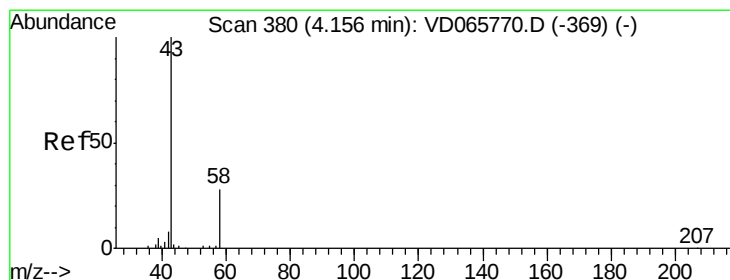
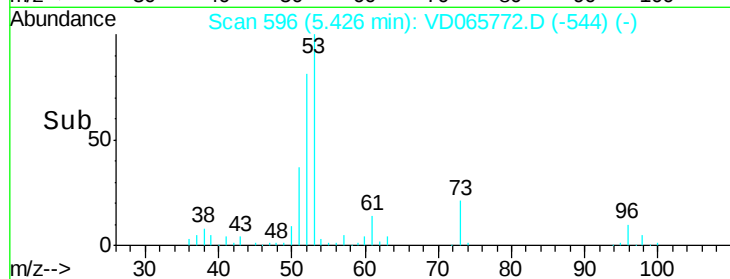
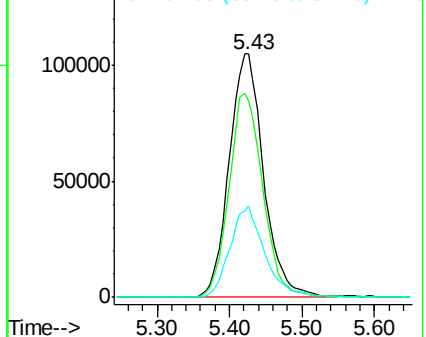
51 37.8 30.7 46.1



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: 690.06 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065772.D

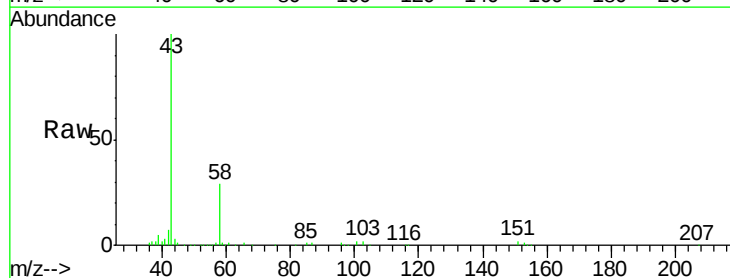
Acq: 05 Jun 2020 12:45

Tgt Ion: 43 Resp: 324998

Ion Ratio Lower Upper

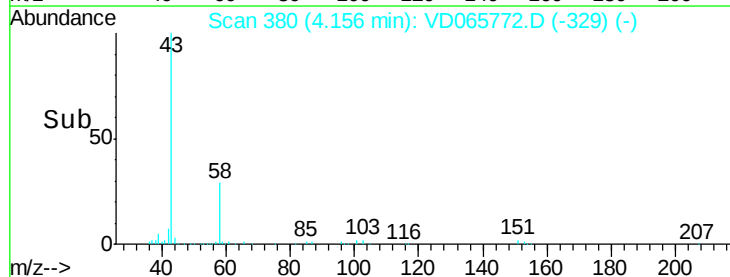
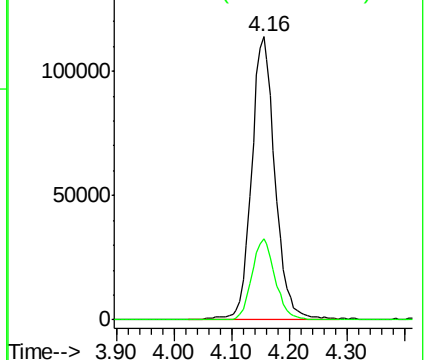
43 100

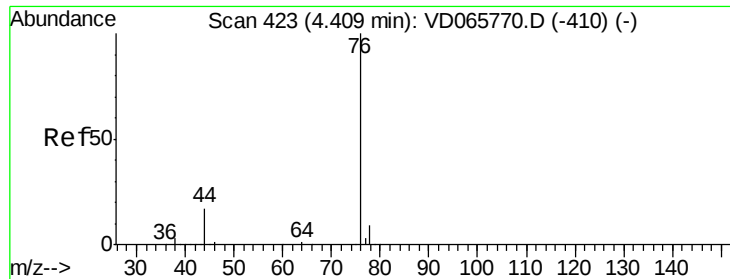
58 28.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

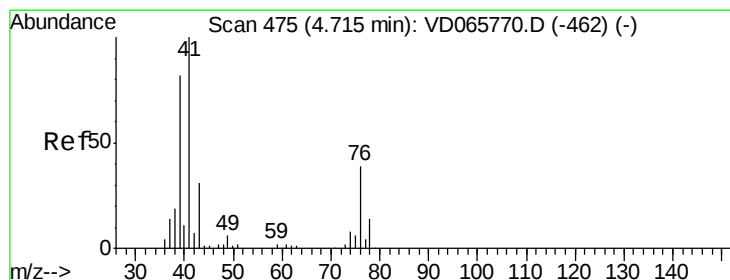
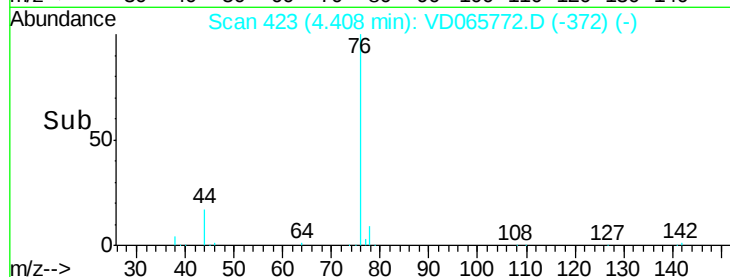
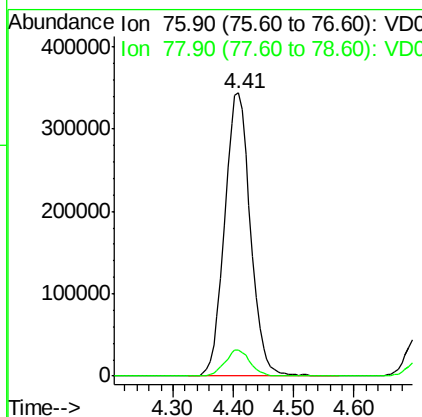
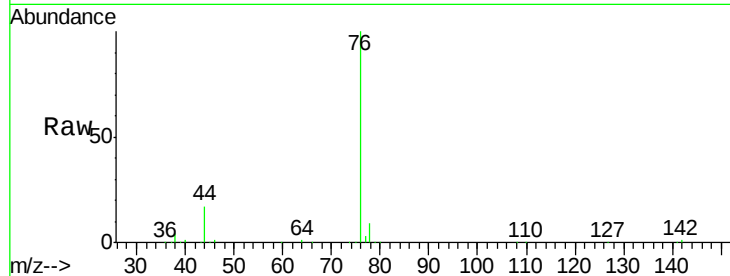




#17
Carbon Disulfide
Concen: 128.68 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

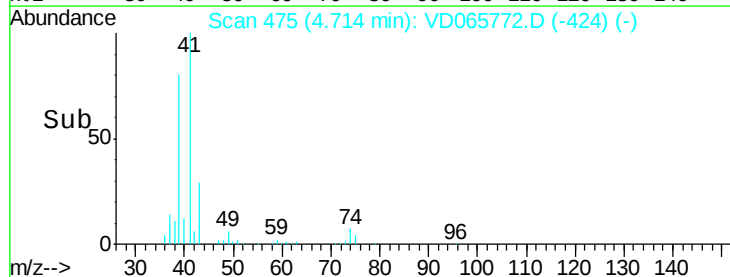
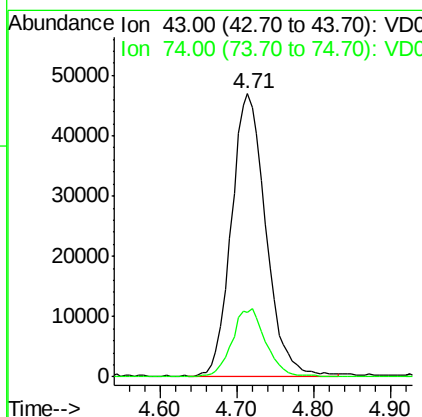
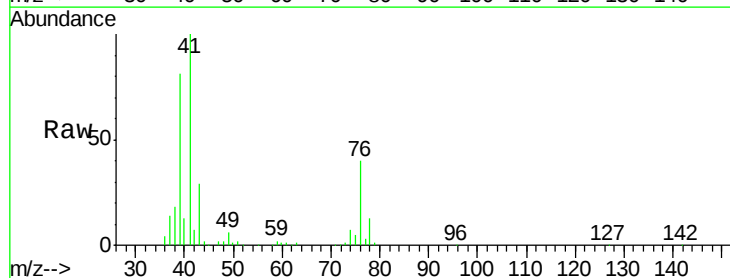
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

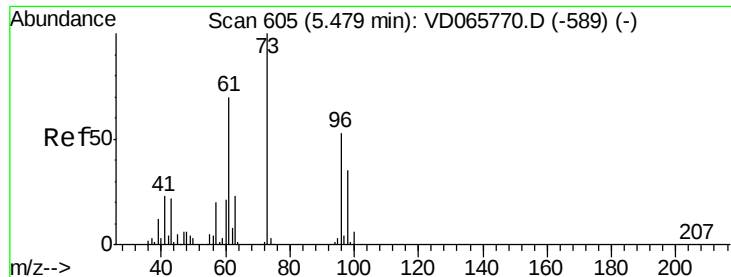
Tgt Ion: 76 Resp: 1020929
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 113.74 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 43 Resp: 147398
Ion Ratio Lower Upper
43 100
74 23.6 18.7 28.1





#19

Methyl tert-butyl Ether

Concen: 140.71 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

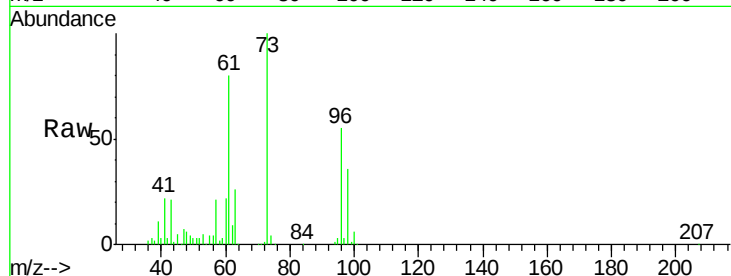
VSTDIC150

Tgt Ion: 73 Resp: 728607

Ion Ratio Lower Upper

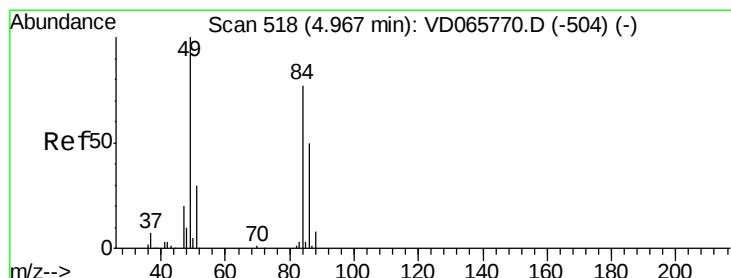
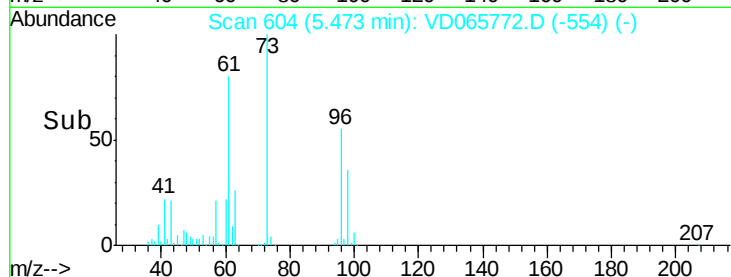
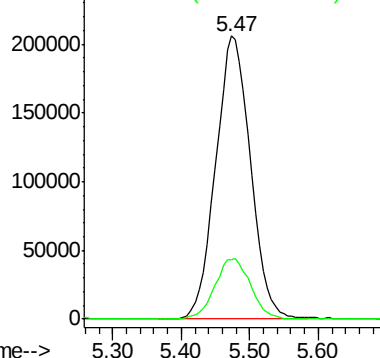
73 100

57 20.8 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 111.10 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion: 84 Resp: 342661

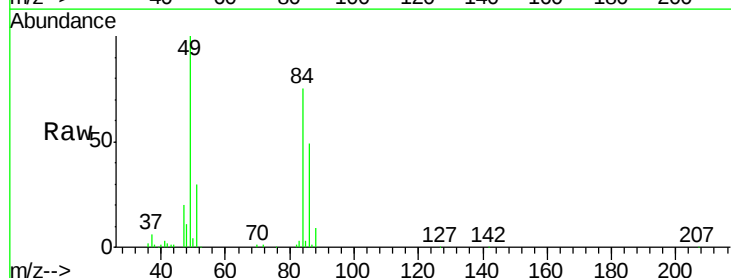
Ion Ratio Lower Upper

84 100

49 133.1 103.4 155.0

51 39.9 31.4 47.2

86 65.8 51.7 77.5

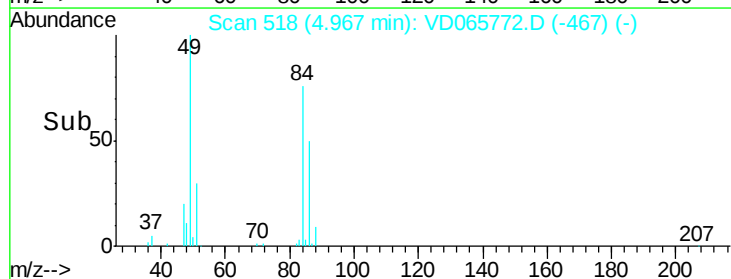
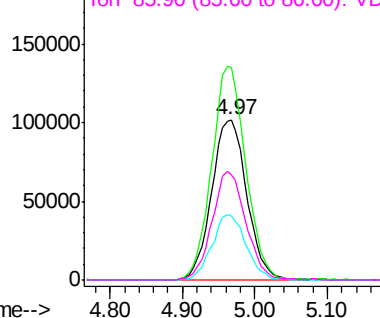


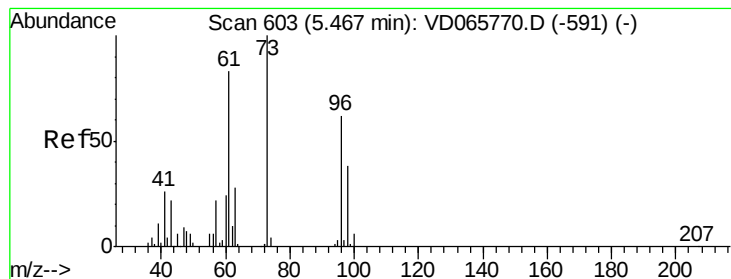
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 136.51 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

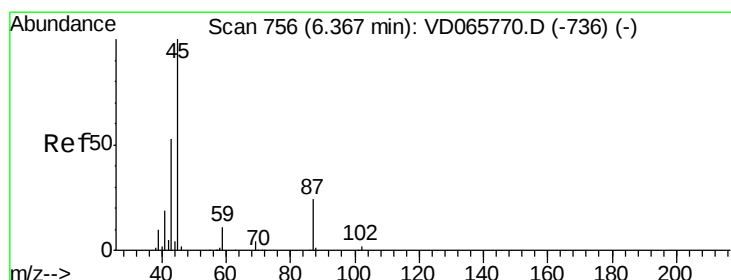
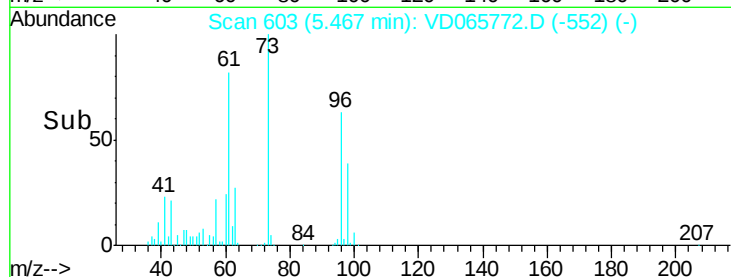
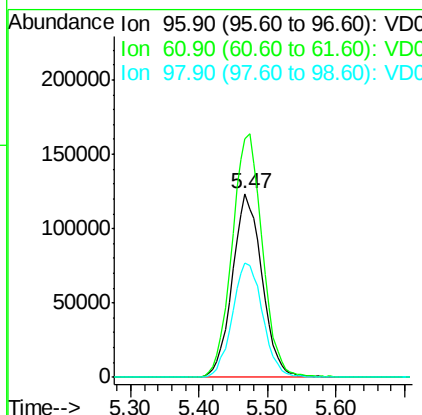
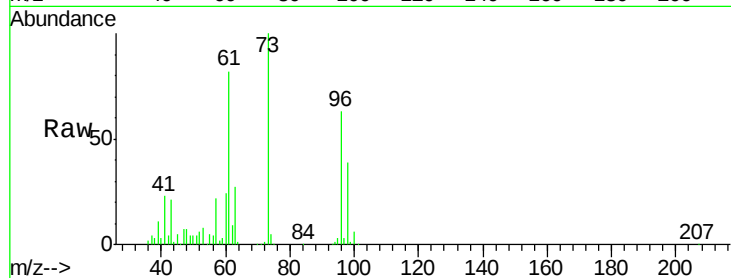
Tgt Ion: 96 Resp: 371460

Ion Ratio Lower Upper

96 100

61 129.6 107.7 161.5

98 61.8 49.3 73.9



#22

Diisopropyl ether

Concen: 138.74 ug/l

RT: 6.36 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion: 45 Resp: 1064285

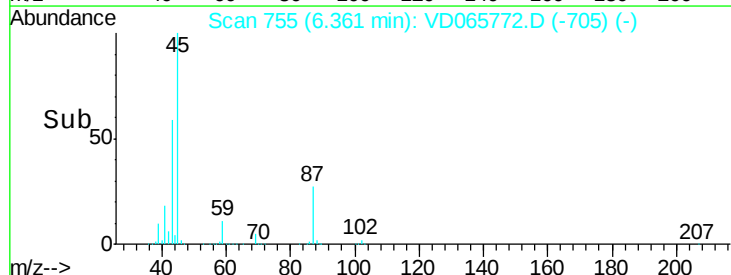
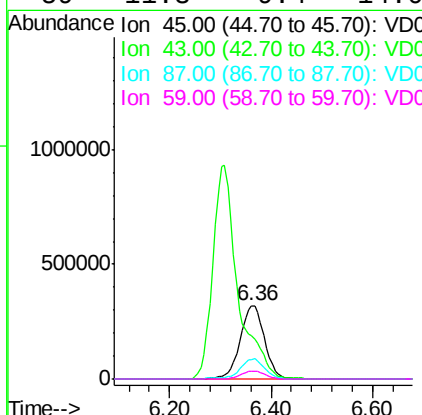
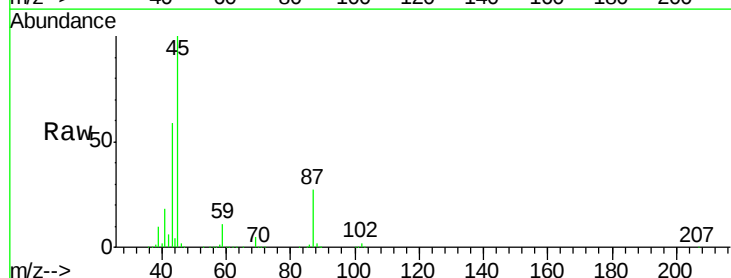
Ion Ratio Lower Upper

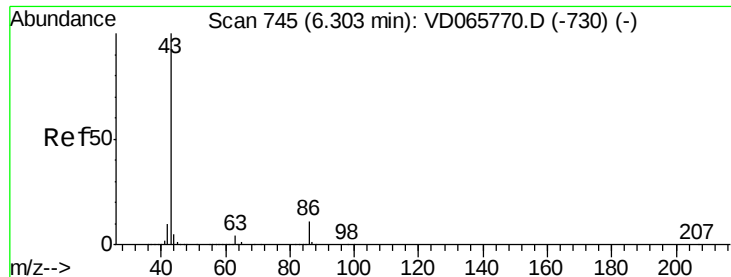
45 100

43 59.1 43.4 65.0

87 27.0 20.2 30.4

59 11.3 9.4 14.0





#23

Vinyl Acetate

Concen: 758.07 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

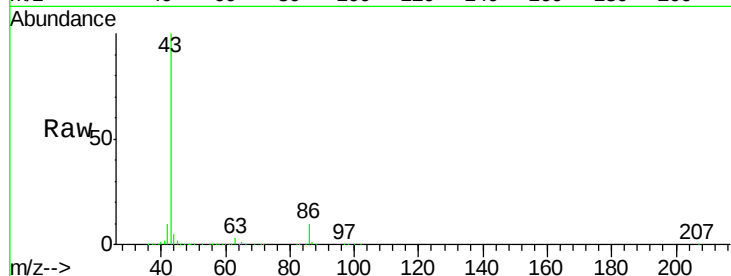
VSTDIC150

Tgt Ion: 43 Resp: 3185160

Ion Ratio Lower Upper

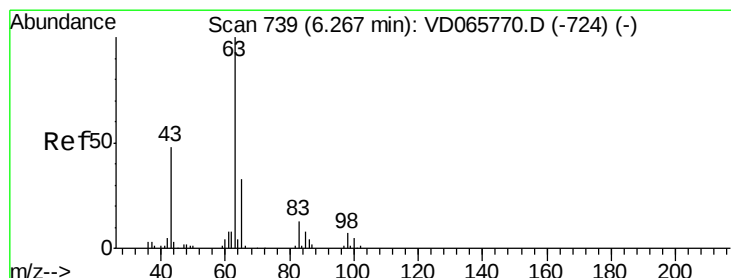
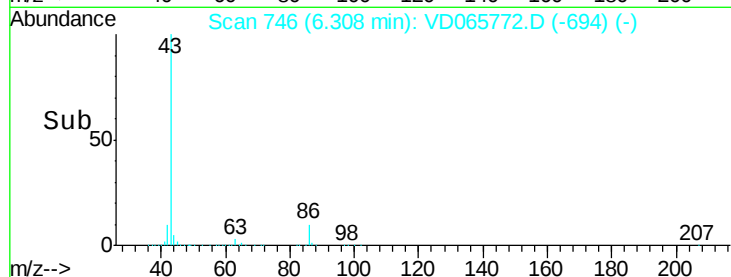
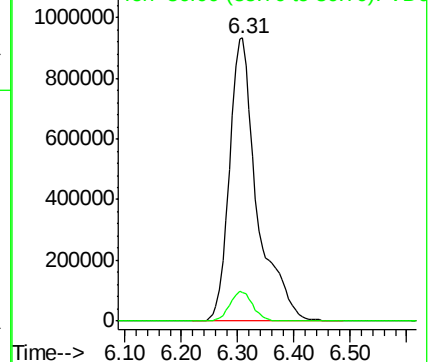
43 100

86 10.3 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 132.28 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

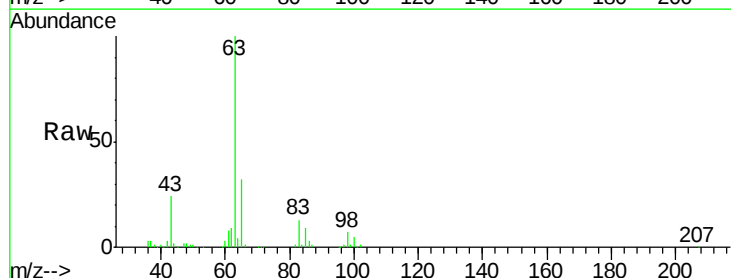
Tgt Ion: 63 Resp: 628363

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

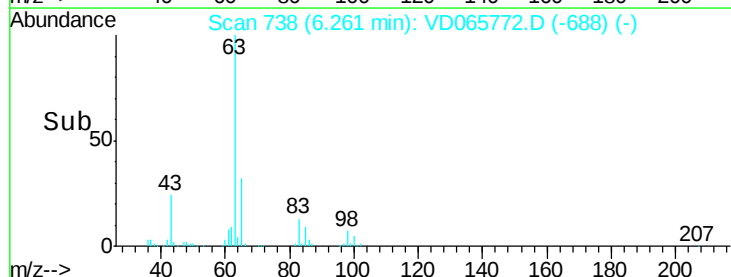
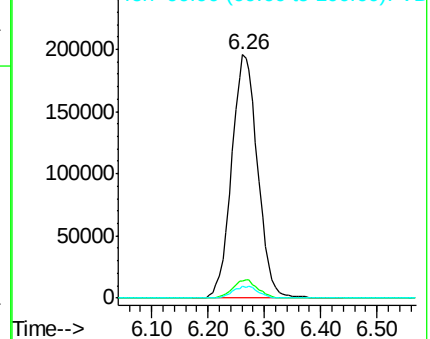
100 4.7 2.3 6.9

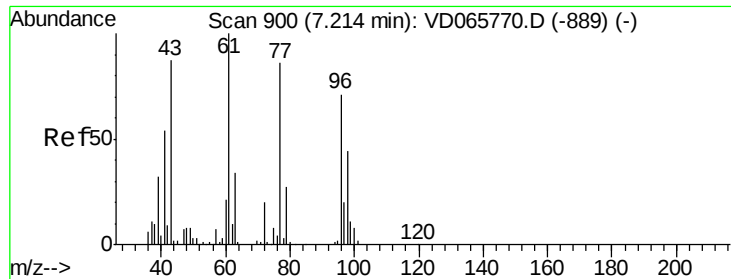


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 692.04 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

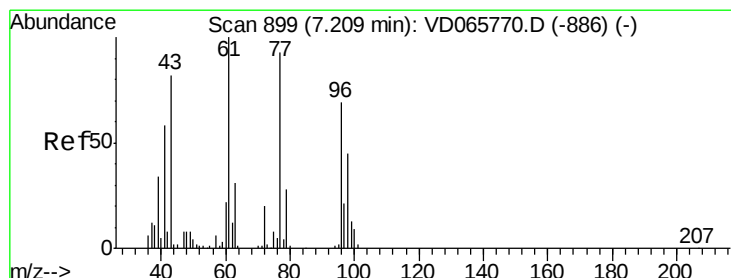
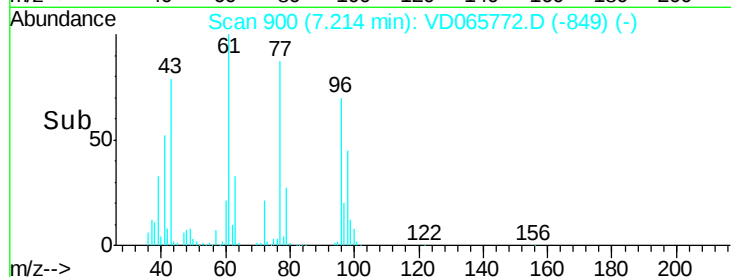
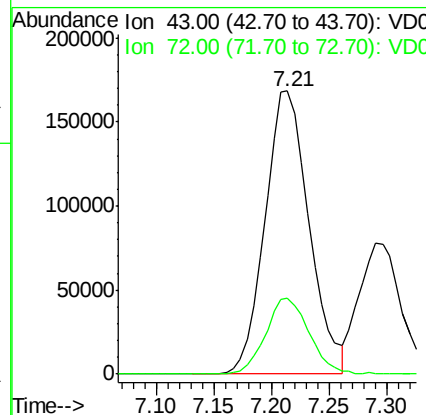
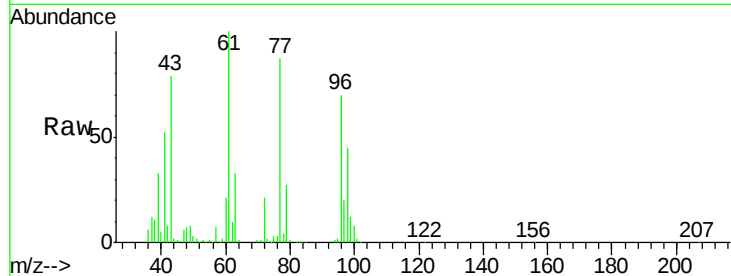
VSTDIC150

Tgt Ion: 43 Resp: 448653

Ion Ratio Lower Upper

43 100

72 27.0 18.5 27.7



#26

2,2-Dichloropropane

Concen: 131.06 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065772.D

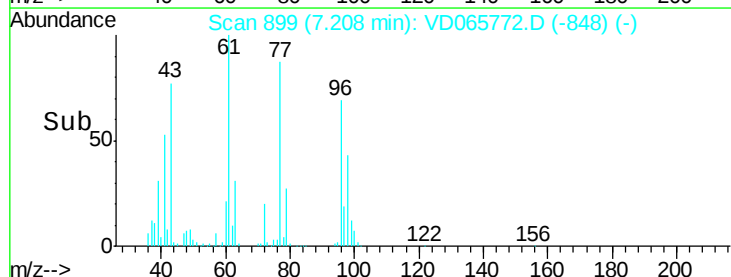
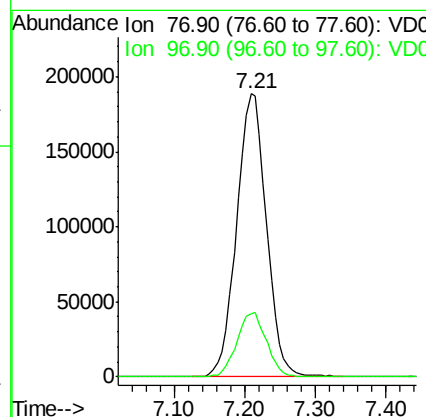
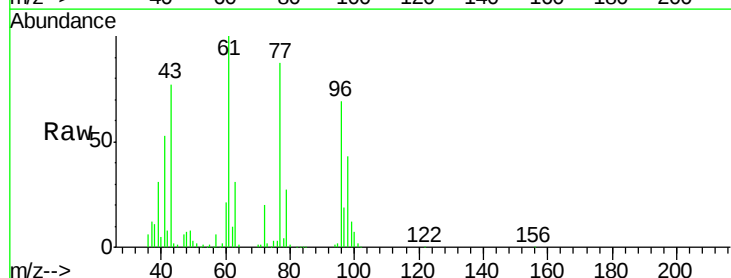
Acq: 05 Jun 2020 12:45

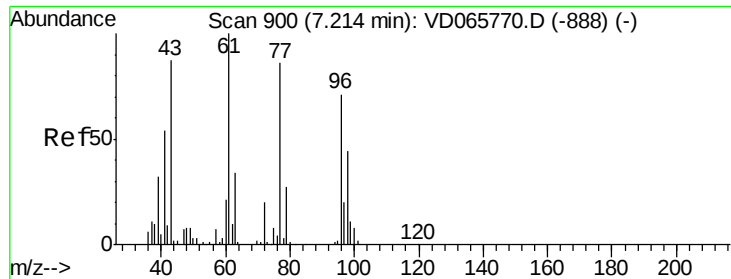
Tgt Ion: 77 Resp: 553198

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.7

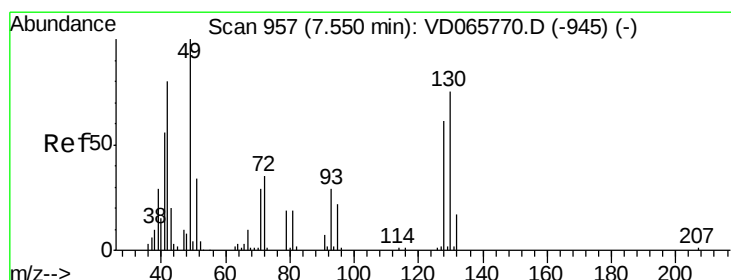
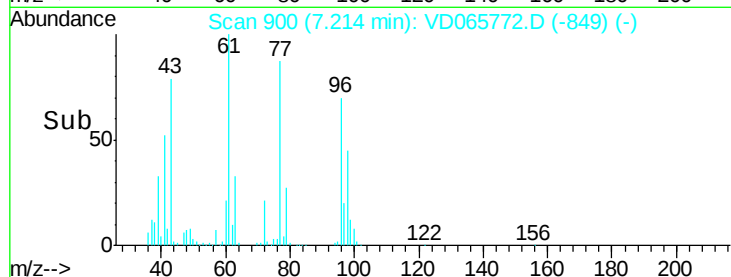
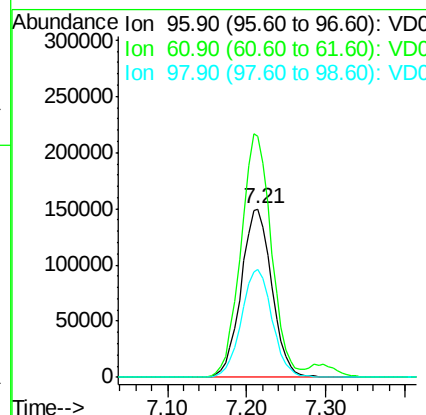
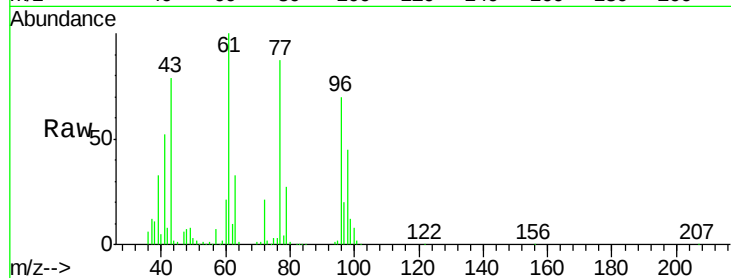




#27
 cis-1,2-Dichloroethene
 Concen: 139.17 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

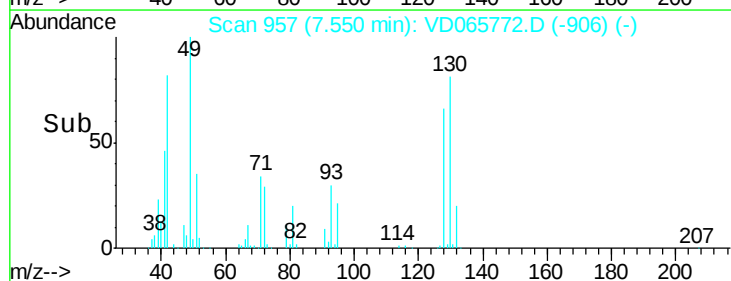
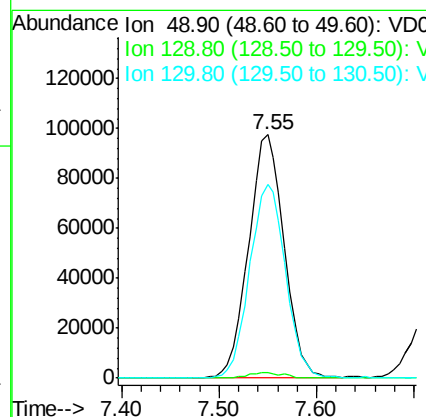
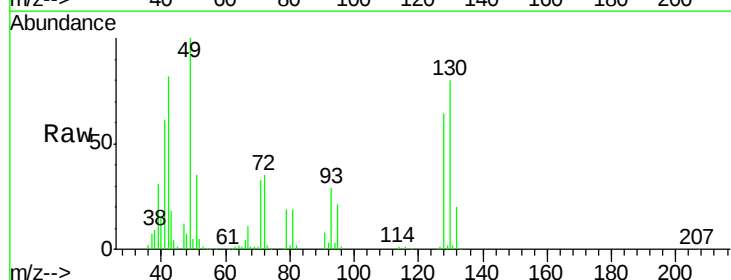
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

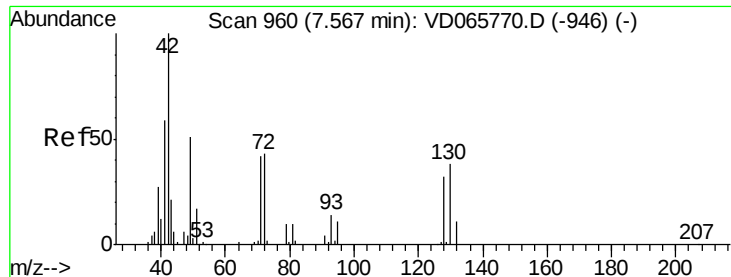
Tgt Ion: 96 Resp: 403349
 Ion Ratio Lower Upper
 96 100
 61 143.4 0.0 291.2
 98 64.0 0.0 128.8



#28
 Bromochloromethane
 Concen: 139.22 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 49 Resp: 249442
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.6
 130 80.3 59.5 89.3

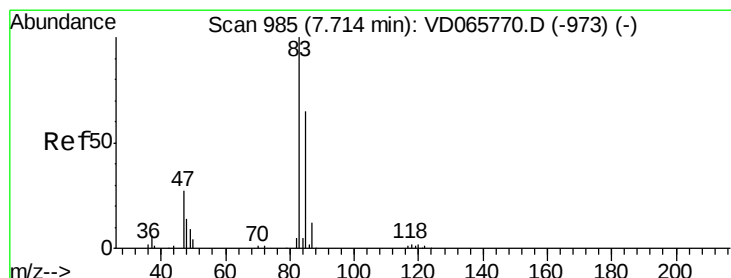
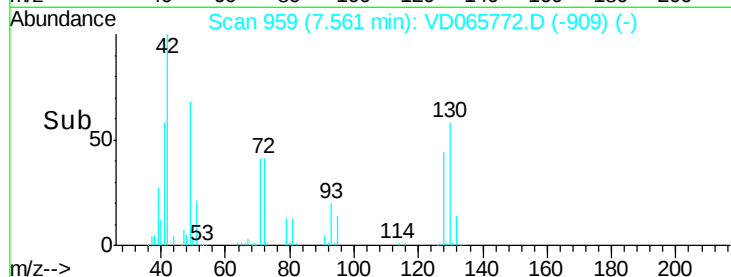
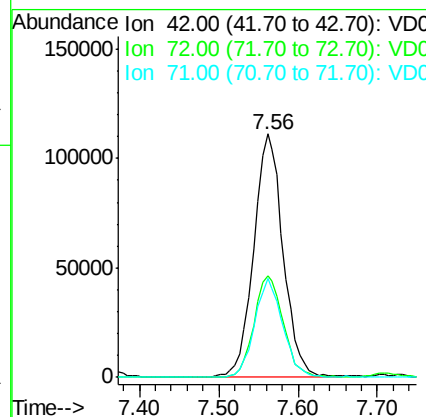
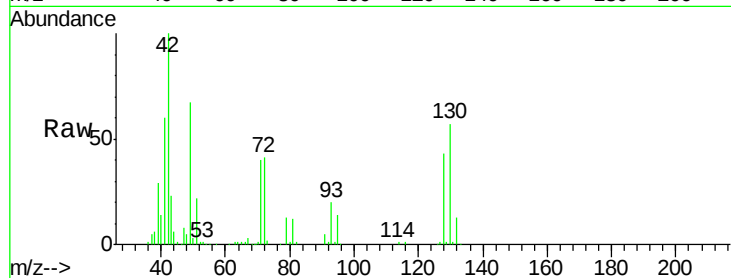




#29
Tetrahydrofuran
Concen: 706.61 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

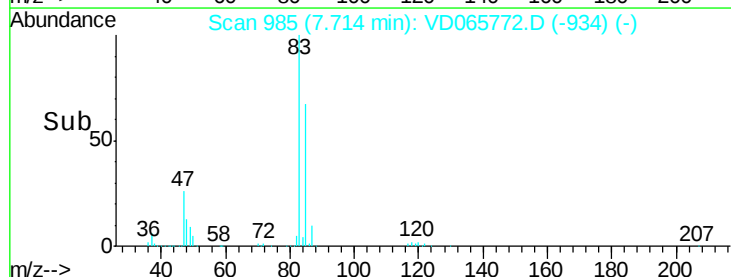
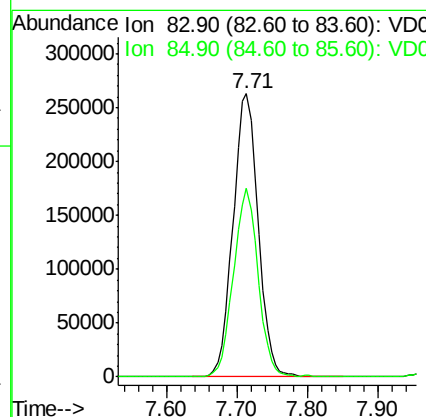
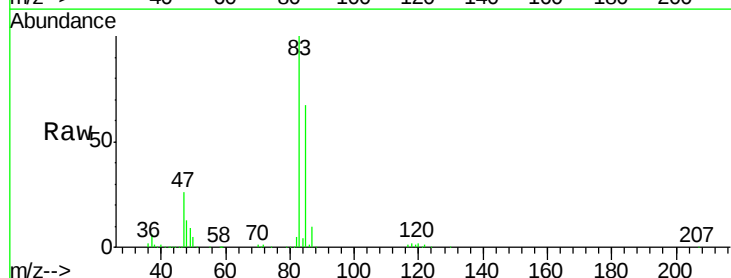
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

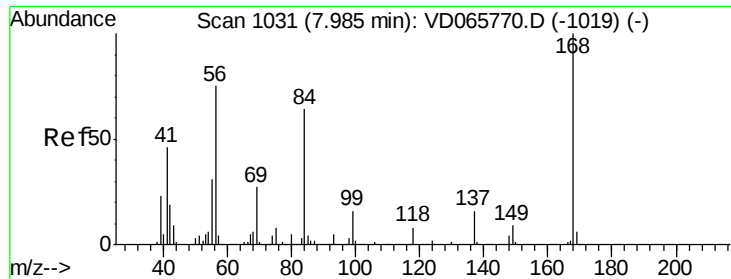
Tgt Ion: 42 Resp: 288351
Ion Ratio Lower Upper
42 100
72 41.5 34.9 52.3
71 38.7 31.2 46.8



#30
Chloroform
Concen: 132.83 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 83 Resp: 652283
Ion Ratio Lower Upper
83 100
85 66.8 51.9 77.9

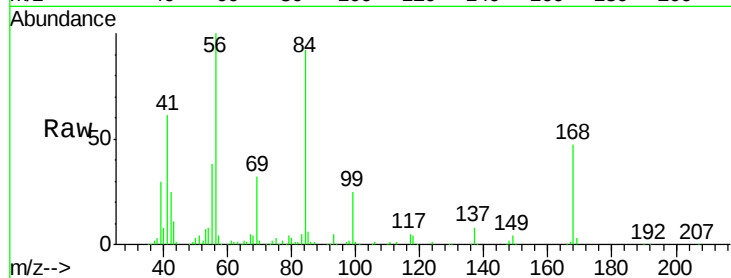




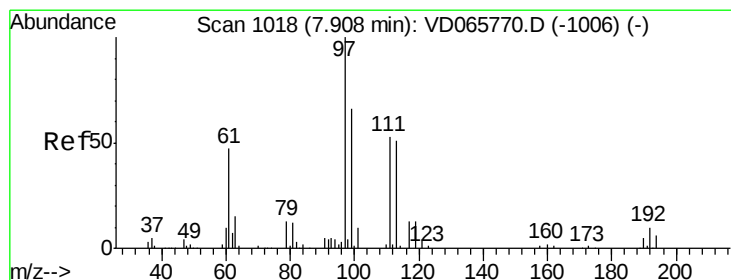
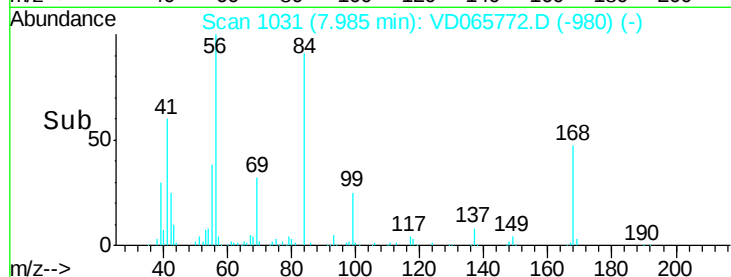
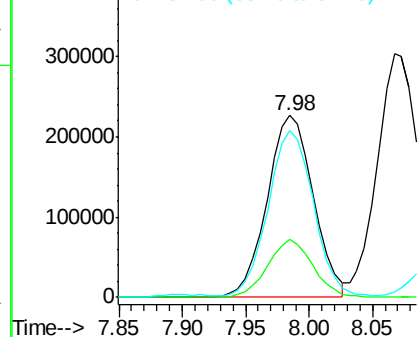
#31
Cyclohexane
Concen: 122.39 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 572047
Ion Ratio Lower Upper
56 100
69 31.7 28.5 42.7
84 90.9 68.4 102.6

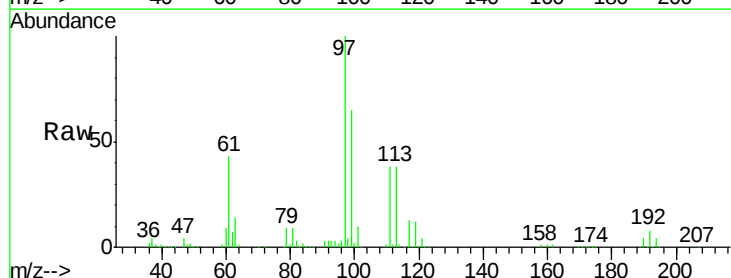


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

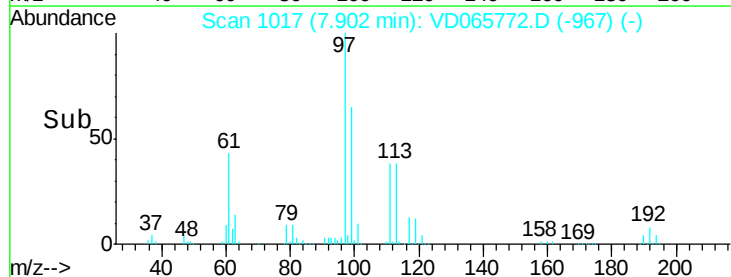
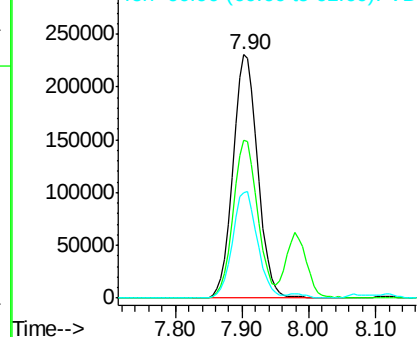


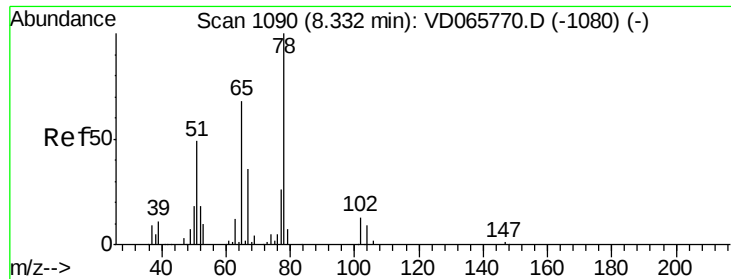
#32
1,1,1-Trichloroethane
Concen: 132.86 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 97 Resp: 601315
Ion Ratio Lower Upper
97 100
99 64.3 49.2 73.8
61 44.0 36.0 54.0



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

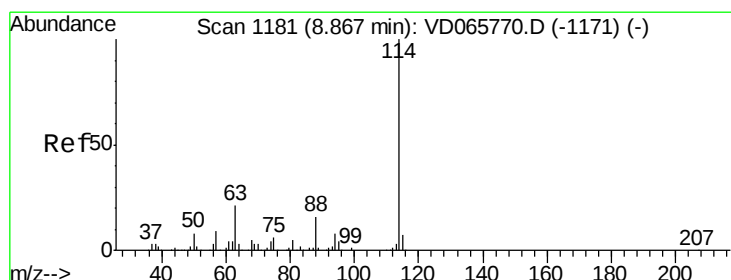
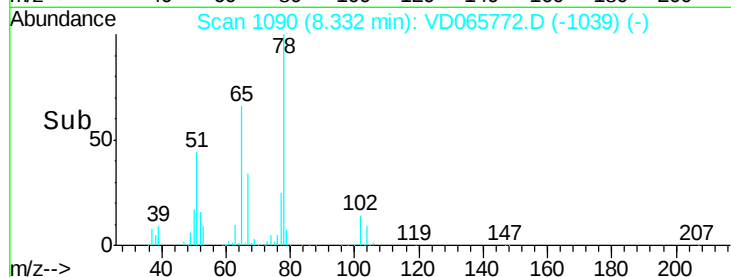
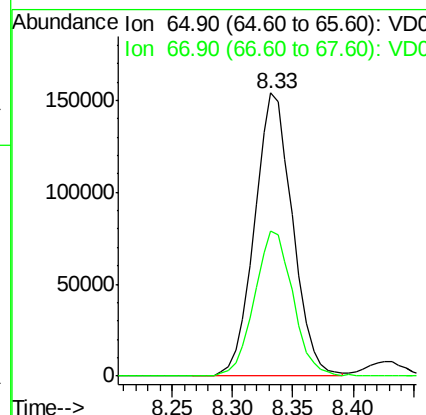
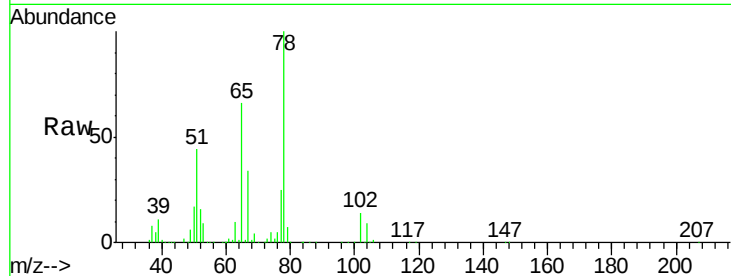




#33
 1,2-Dichloroethane-d4
 Concen: 136.19 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

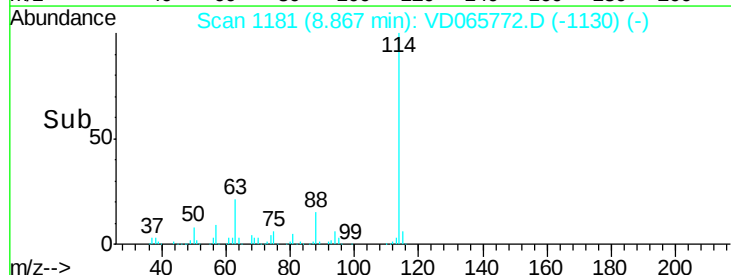
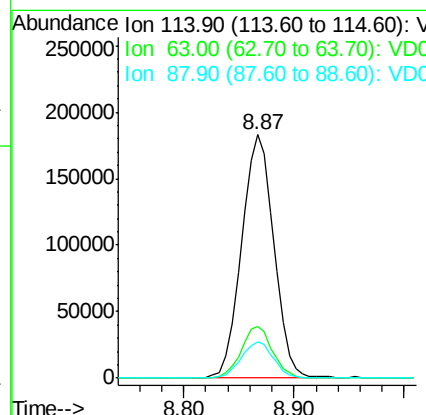
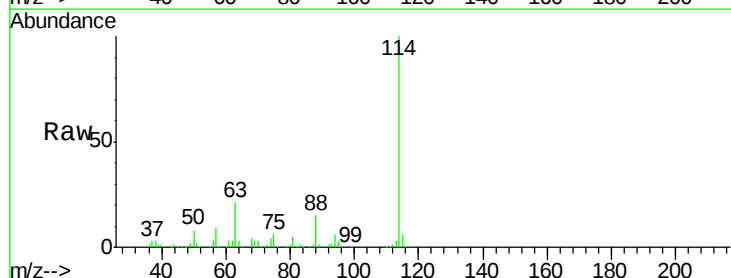
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

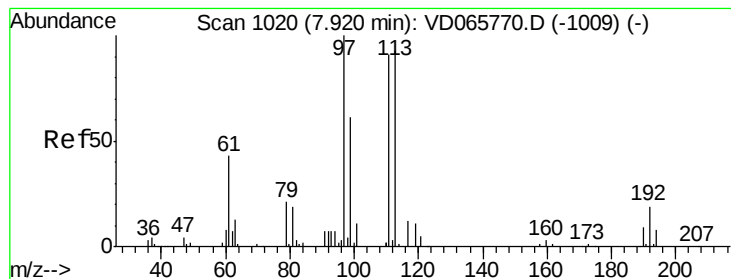
Tgt Ion: 65 Resp: 338631
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 114 Resp: 375905
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.8
 88 15.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 142.68 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

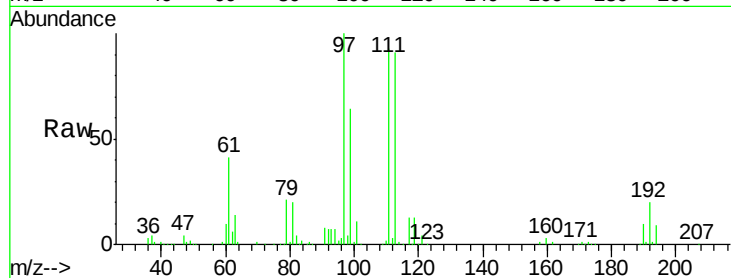
Tgt Ion:113 Resp: 339977

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

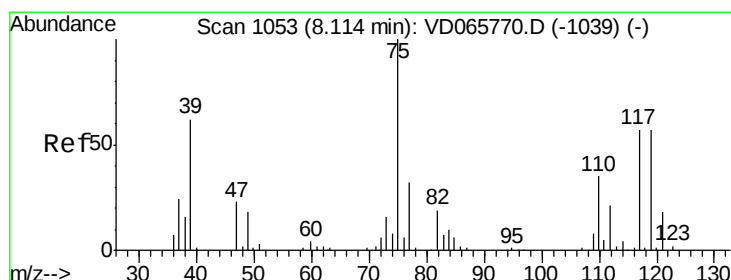
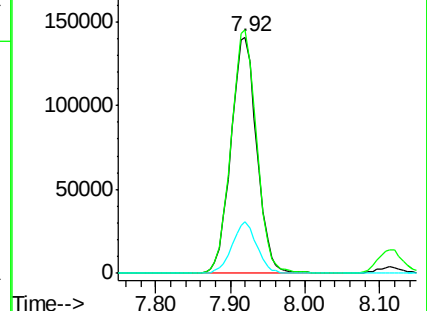
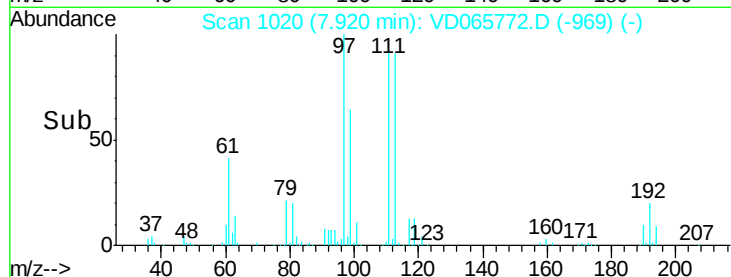
192 21.0 15.7 23.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 138.38 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

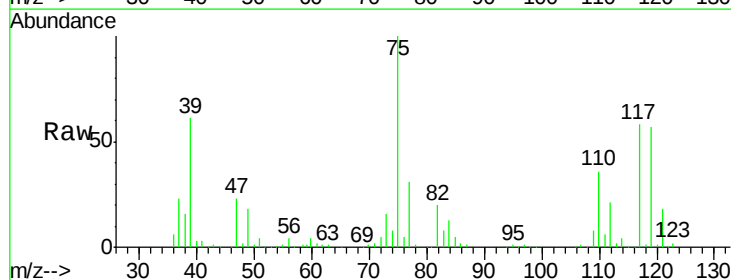
Tgt Ion: 75 Resp: 511421

Ion Ratio Lower Upper

75 100

110 35.9 17.6 52.8

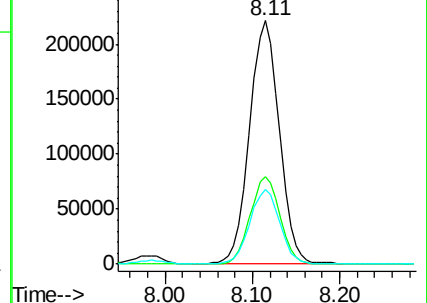
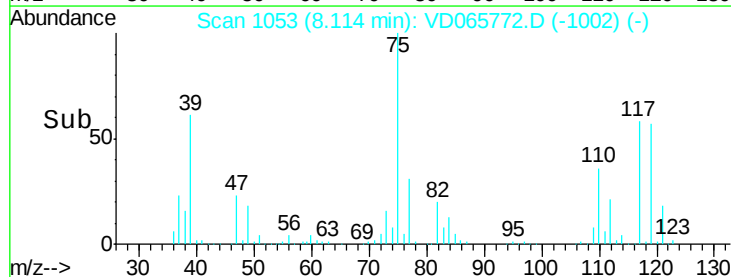
77 31.2 25.1 37.7

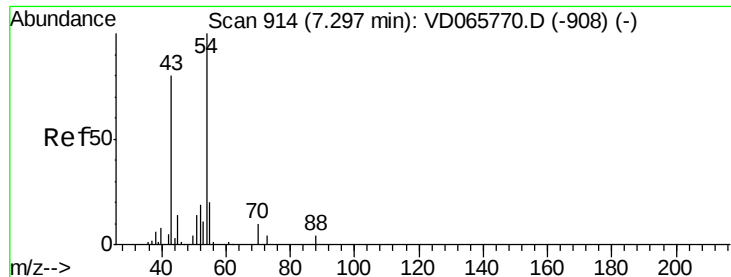


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

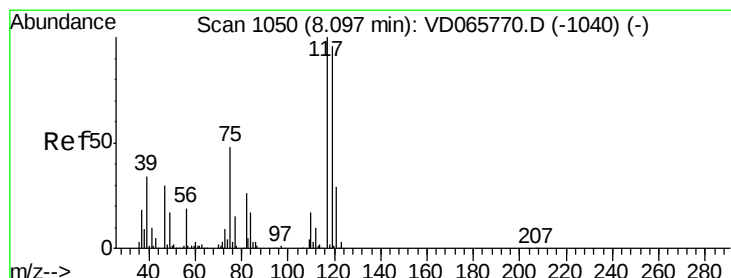
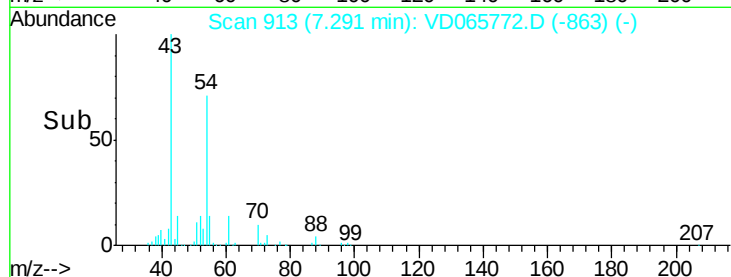
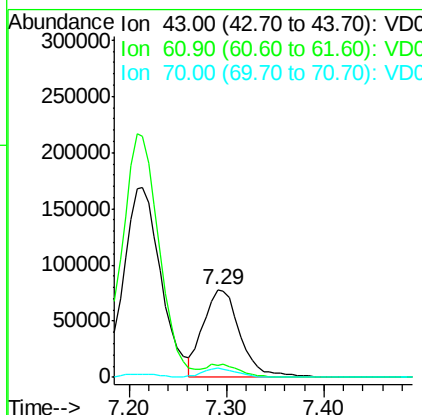
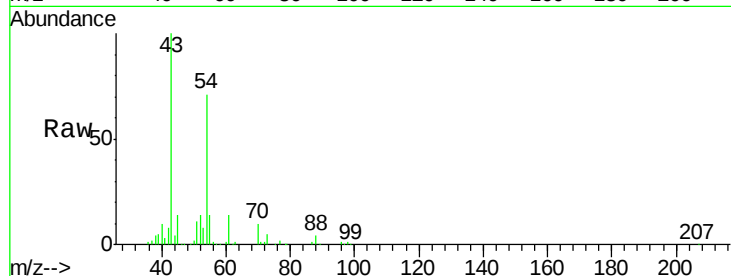




#37
Ethyl Acetate
Concen: 140.71 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

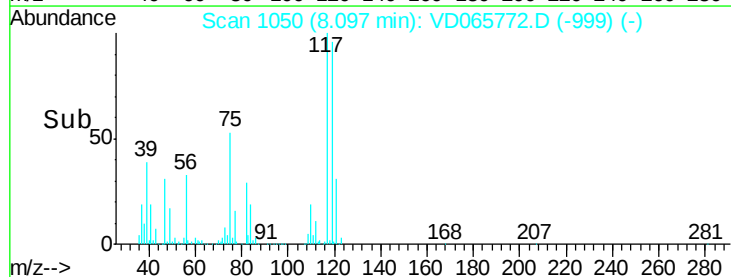
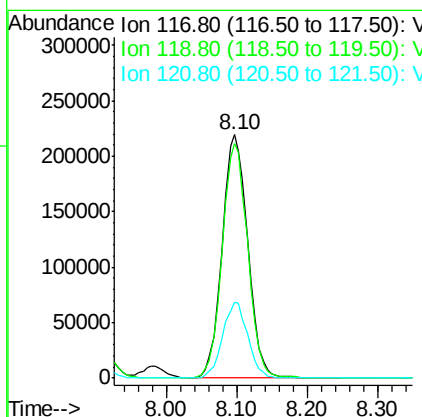
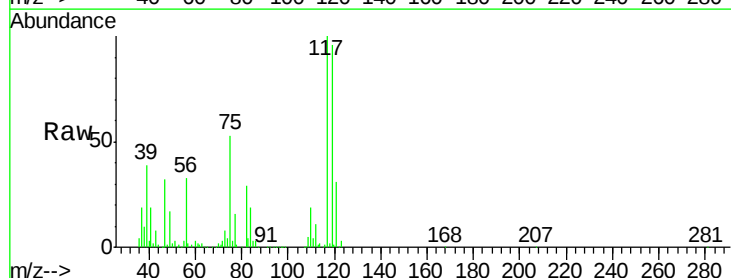
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

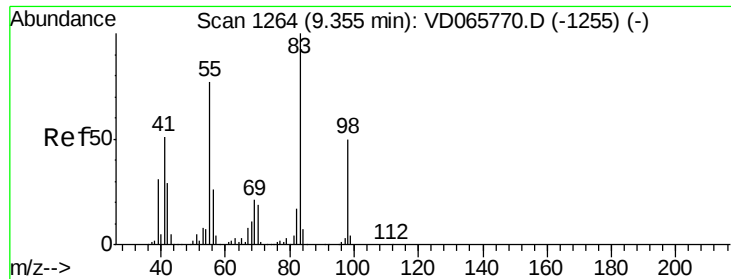
Tgt Ion: 43 Resp: 202219
Ion Ratio Lower Upper
43 100
61 12.8 10.6 15.8
70 10.0 7.5 11.3



#38
Carbon Tetrachloride
Concen: 141.26 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 117 Resp: 547578
Ion Ratio Lower Upper
117 100
119 96.3 76.8 115.2
121 31.4 23.4 35.2

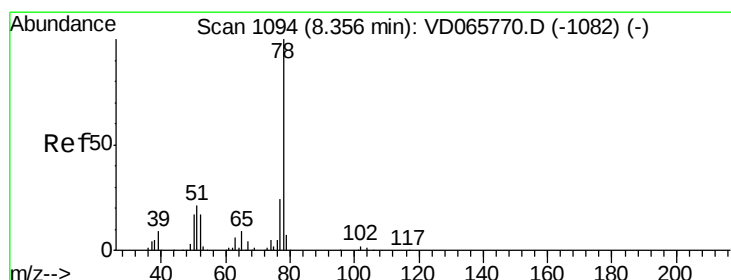
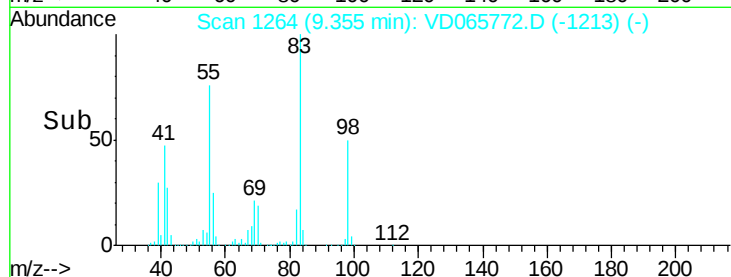
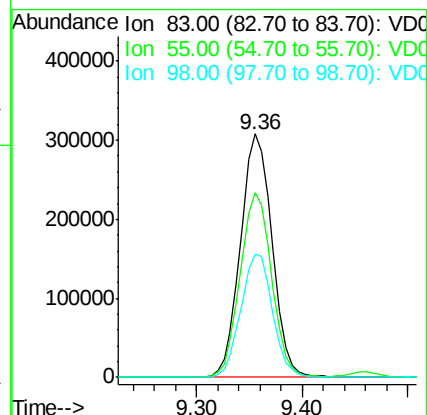
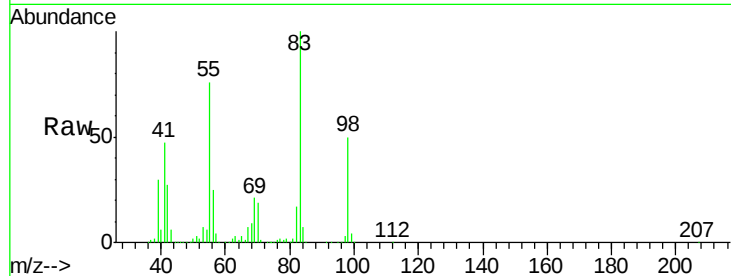




#39
Methylcyclohexane
Concen: 149.35 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

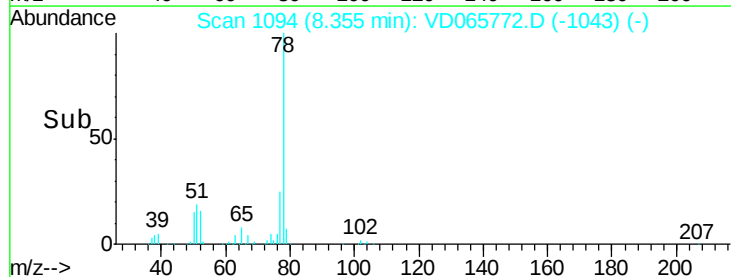
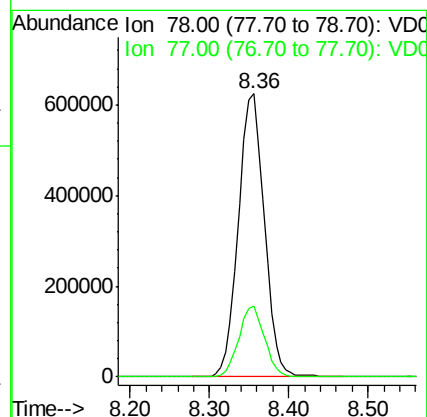
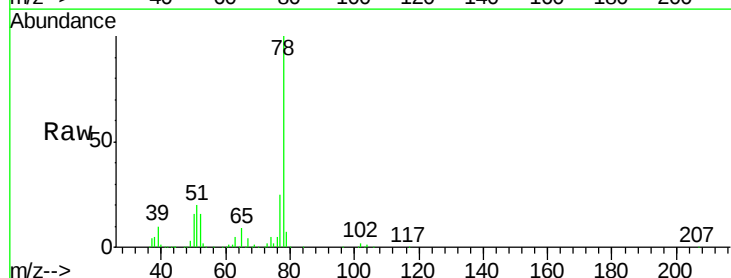
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

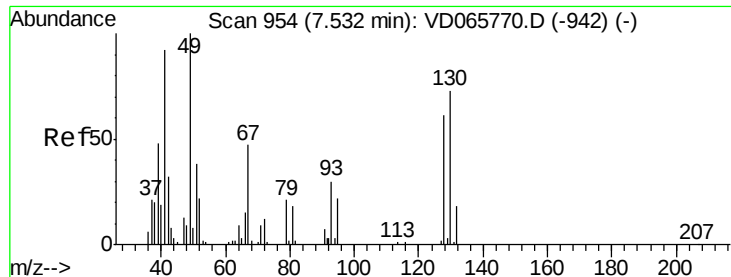
Tgt Ion: 83 Resp: 640850
Ion Ratio Lower Upper
83 100
55 76.0 61.6 92.4
98 50.4 40.2 60.2



#40
Benzene
Concen: 142.70 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 78 Resp: 1425096
Ion Ratio Lower Upper
78 100
77 24.8 19.2 28.8





#41

Methacrylonitrile

Concen: 317.58 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 284629

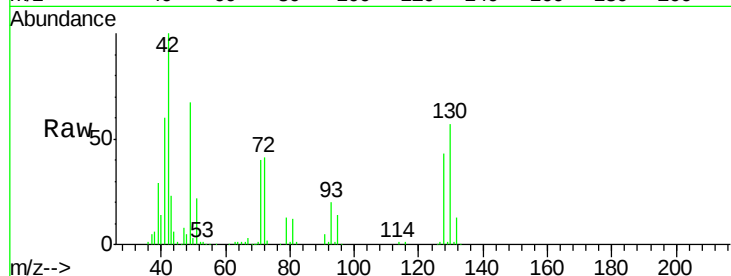
Ion Ratio Lower Upper

41 100

39 0.0 38.3 57.5#

67 0.0 49.8 74.6#

52 0.0 21.7 32.5#

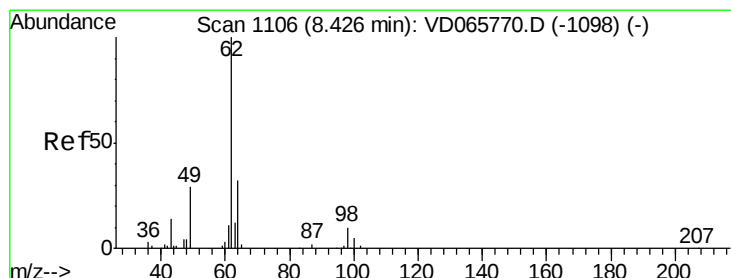
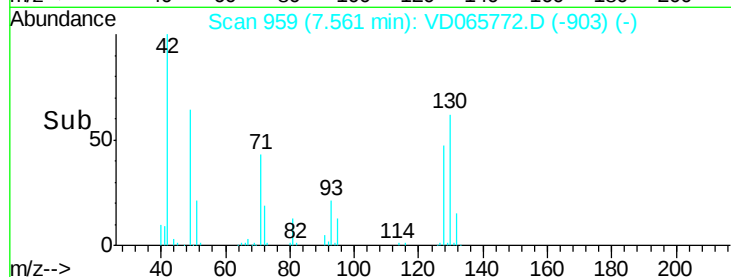
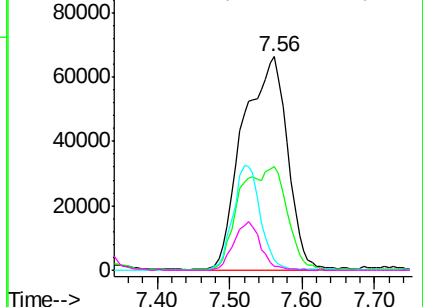


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 134.25 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065772.D

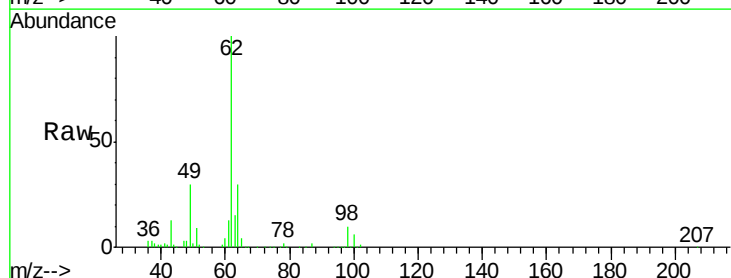
Acq: 05 Jun 2020 12:45

Tgt Ion: 62 Resp: 410414

Ion Ratio Lower Upper

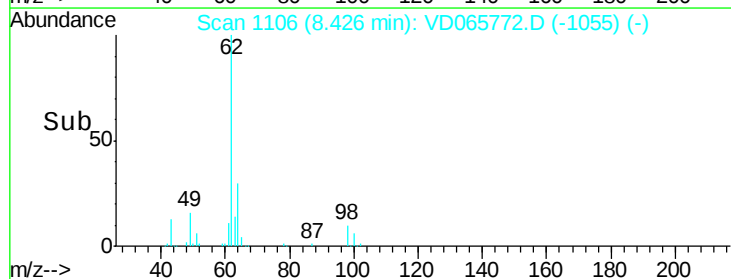
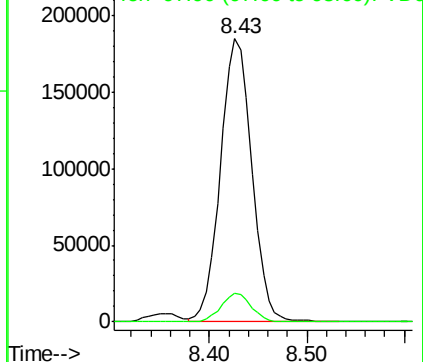
62 100

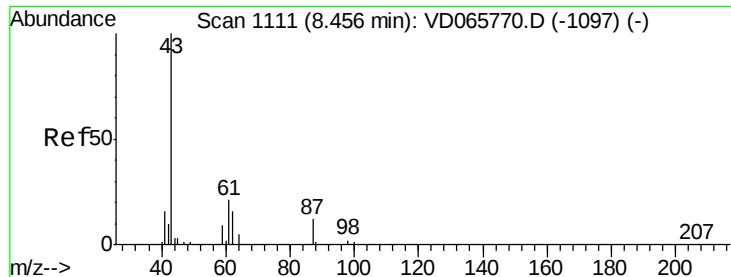
98 9.7 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 148.60 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

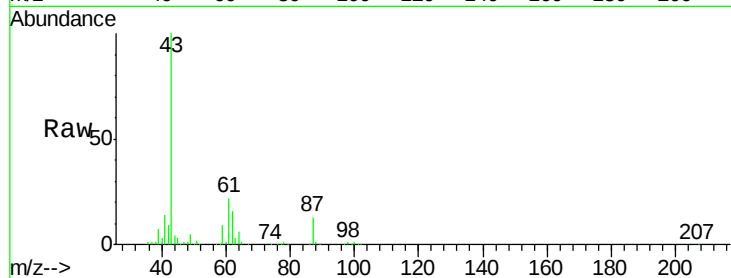
Tgt Ion: 43 Resp: 419087

Ion Ratio Lower Upper

43 100

61 29.6 24.2 36.4

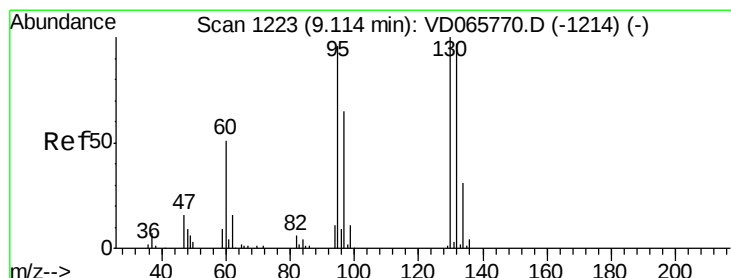
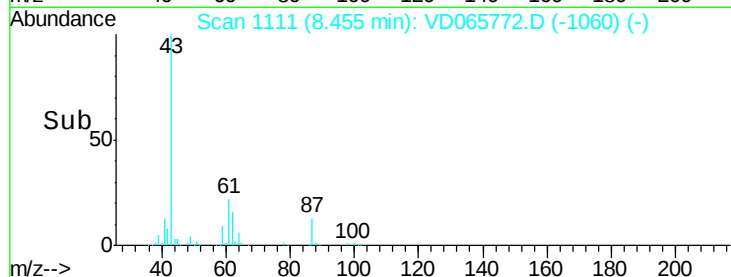
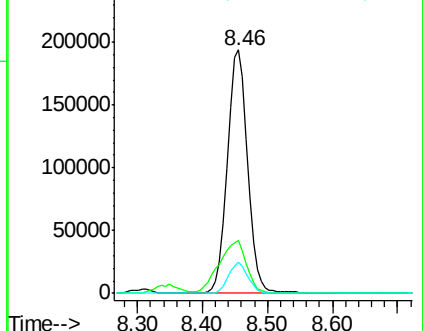
87 12.2 9.5 14.3



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: 145.14 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065772.D

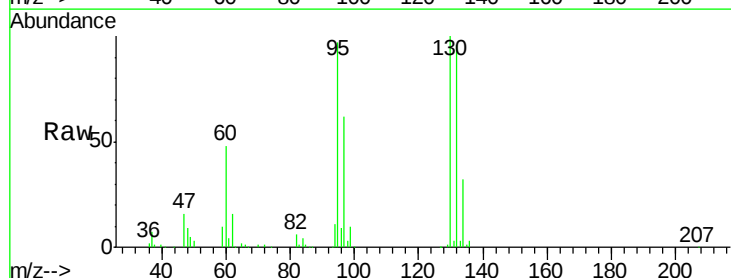
Acq: 05 Jun 2020 12:45

Tgt Ion: 130 Resp: 402576

Ion Ratio Lower Upper

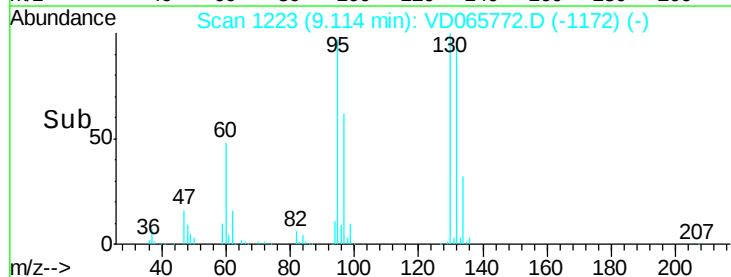
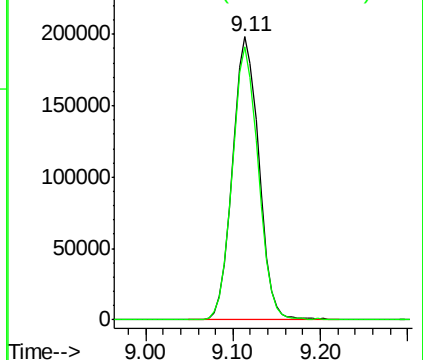
130 100

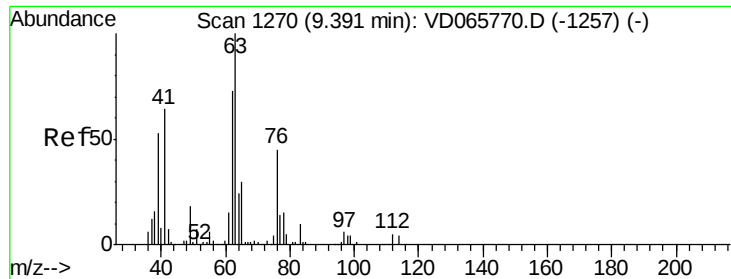
95 96.5 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 139.88 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

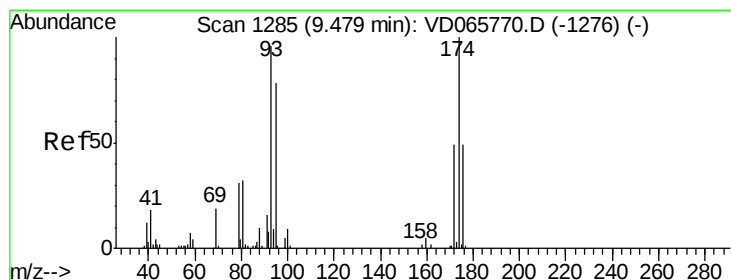
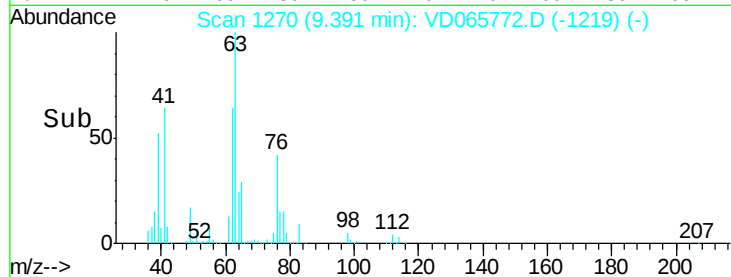
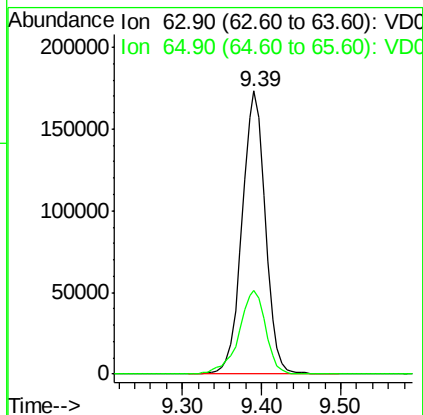
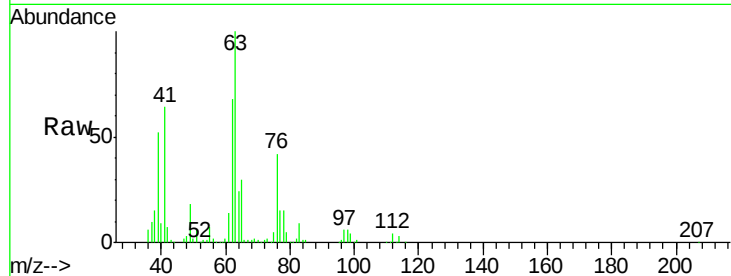
VSTDIC150

Tgt Ion: 63 Resp: 353175

Ion Ratio Lower Upper

63 100

65 29.6 24.2 36.2



#46

Dibromomethane

Concen: 142.38 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

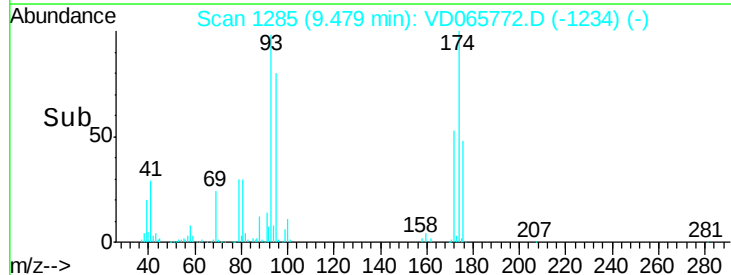
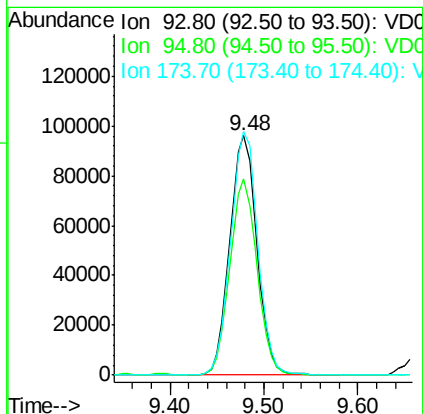
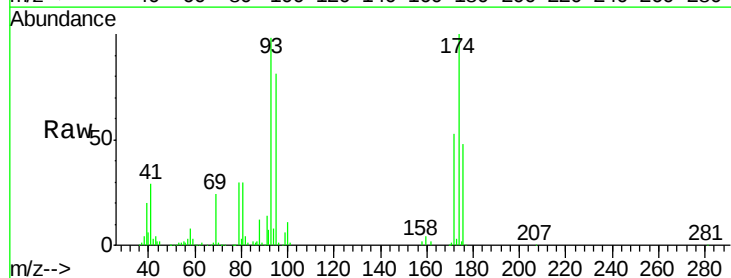
Tgt Ion: 93 Resp: 193853

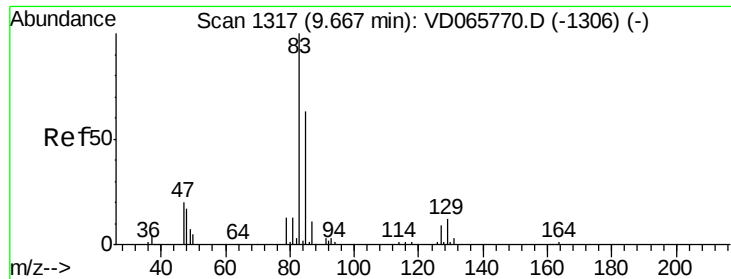
Ion Ratio Lower Upper

93 100

95 82.1 65.8 98.6

174 101.5 80.9 121.3





#47

Bromodichloromethane

Concen: 140.34 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

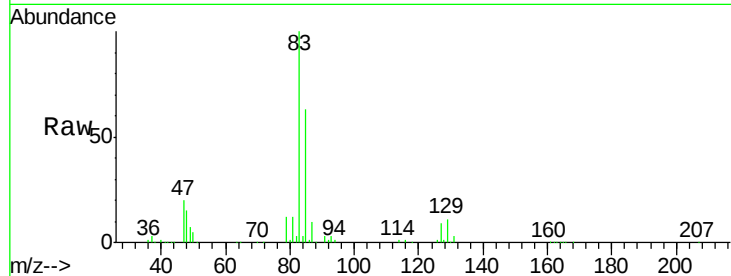
Tgt Ion: 83 Resp: 514513

Ion Ratio Lower Upper

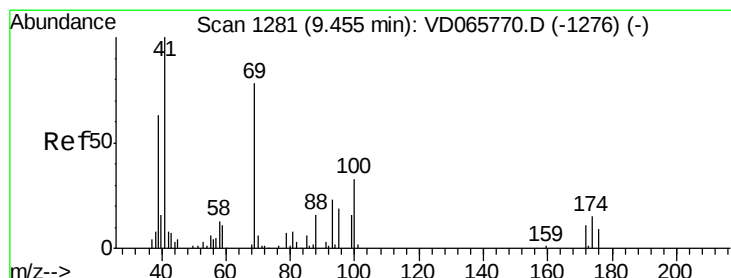
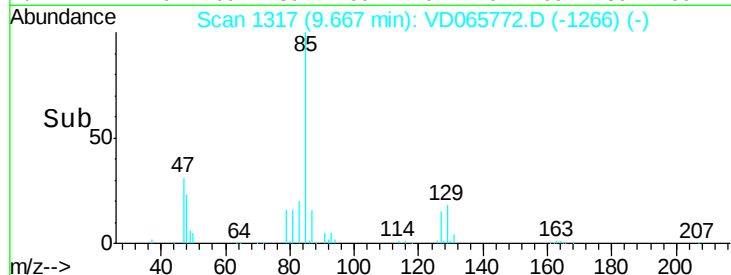
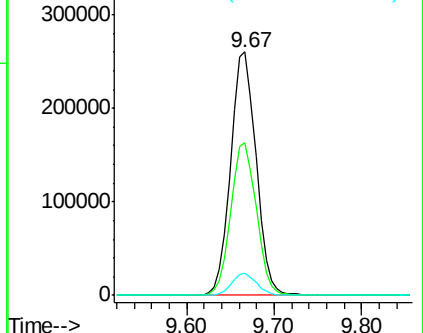
83 100

85 62.5 50.7 76.1

127 9.1 7.1 10.7



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



#48

Methyl methacrylate

Concen: 148.71 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

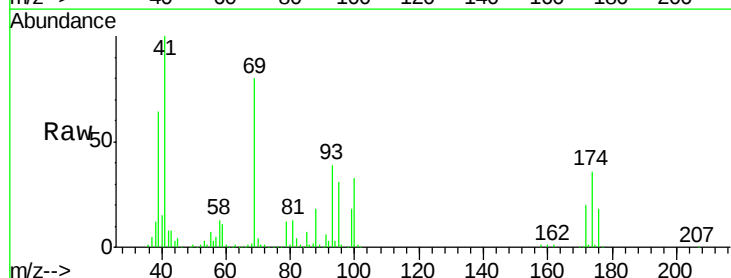
Tgt Ion: 41 Resp: 205264

Ion Ratio Lower Upper

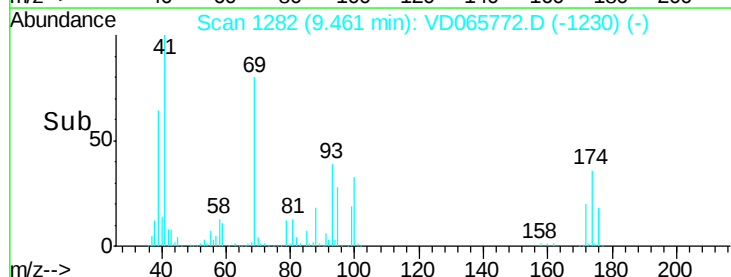
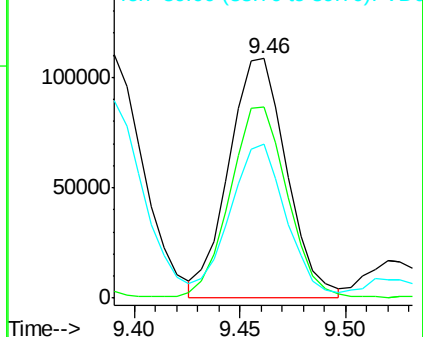
41 100

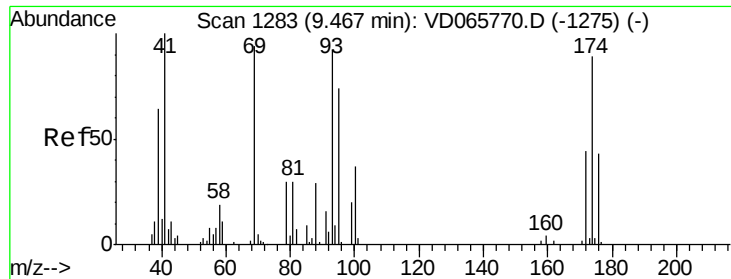
69 79.1 60.9 91.3

39 58.5 48.1 72.1



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





#49

1,4-Dioxane

Concen: 2893.30 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

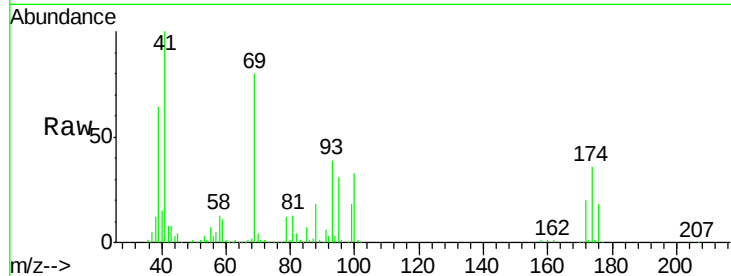
Tgt Ion: 88 Resp: 41400

Ion Ratio Lower Upper

88 100

43 40.0 32.2 48.4

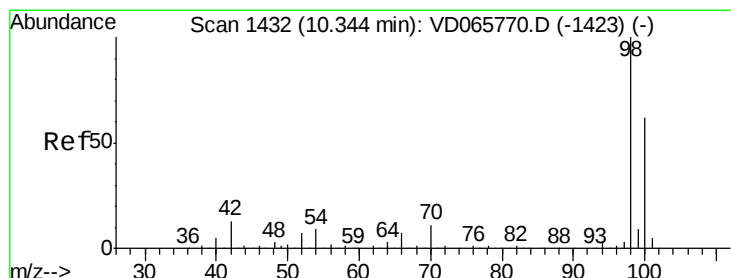
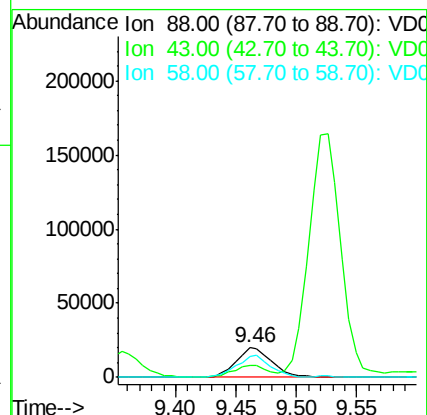
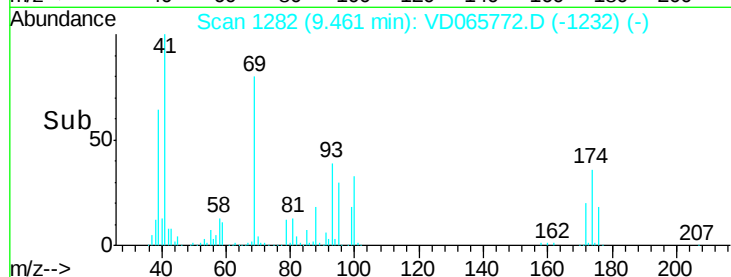
58 70.3 54.9 82.3



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: 154.33 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065772.D

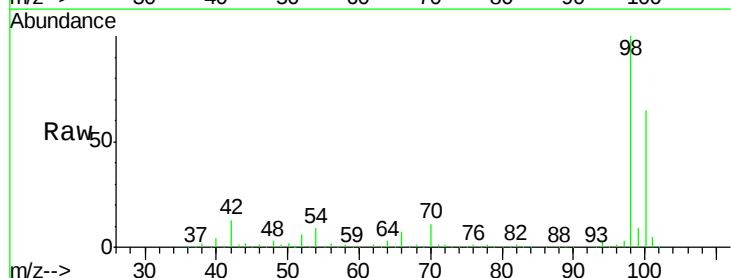
Acq: 05 Jun 2020 12:45

Tgt Ion: 98 Resp: 1338070

Ion Ratio Lower Upper

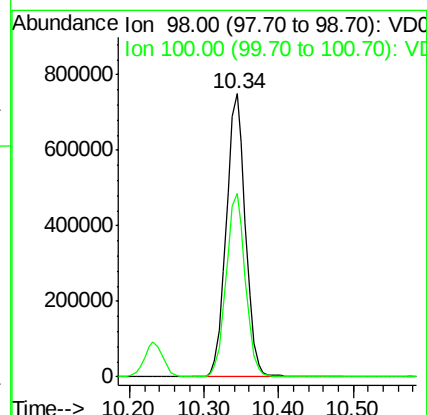
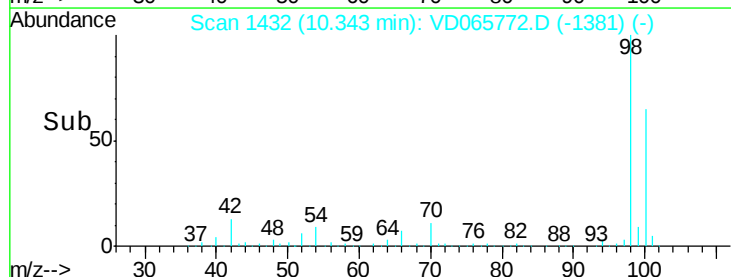
98 100

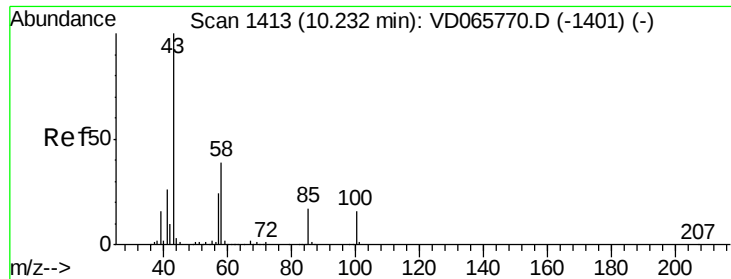
100 65.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

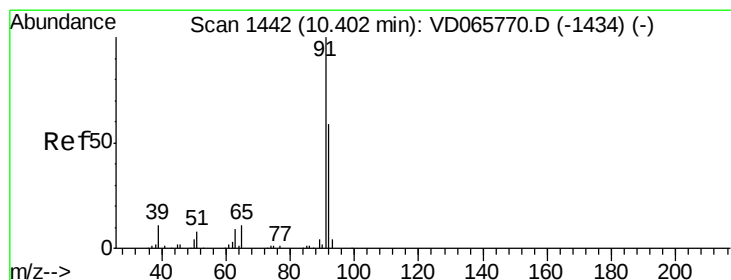
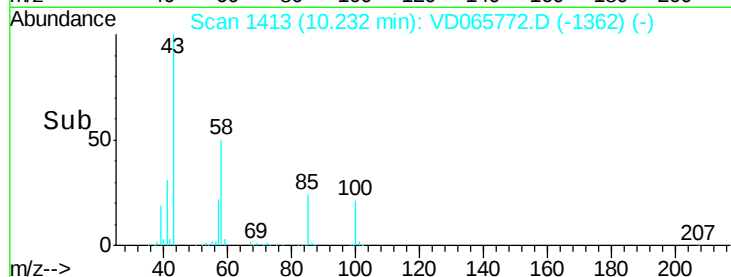
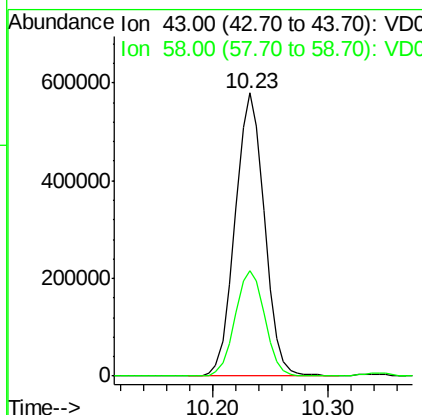
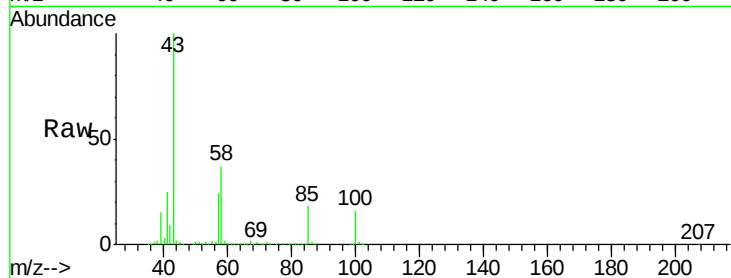




#51
 4-Methyl-2-Pentanone
 Concen: 742.90 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

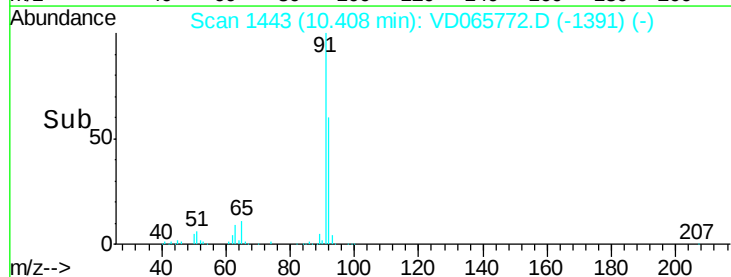
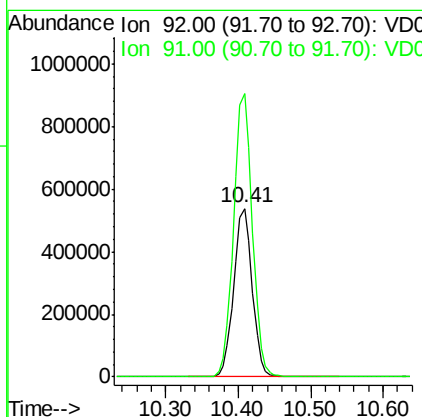
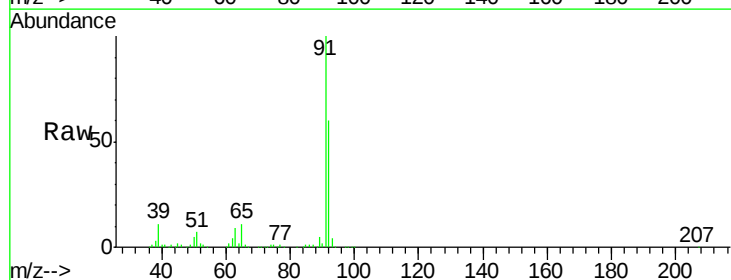
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

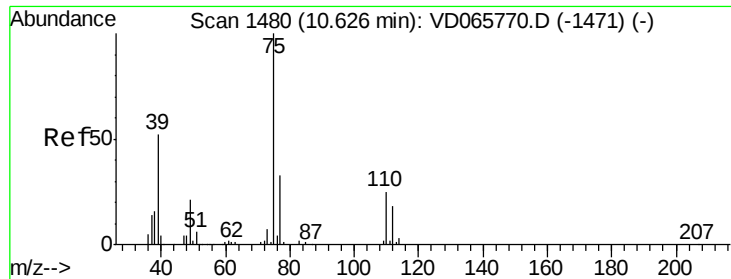
Tgt Ion: 43 Resp: 1021320
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.7 46.1



#52
 Toluene
 Concen: 149.67 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 92 Resp: 957564
 Ion Ratio Lower Upper
 92 100
 91 170.1 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 152.48 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

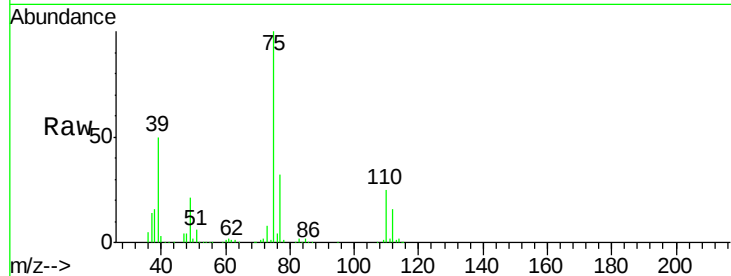
VSTDIC150

Tgt Ion: 75 Resp: 492573

Ion Ratio Lower Upper

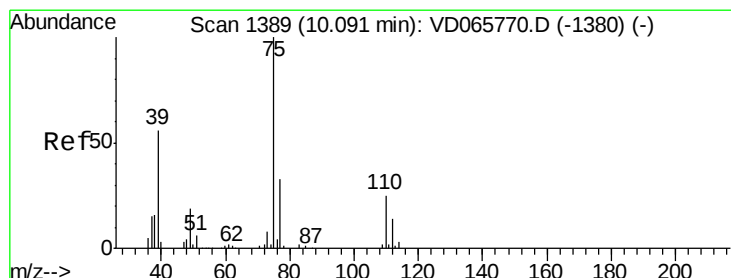
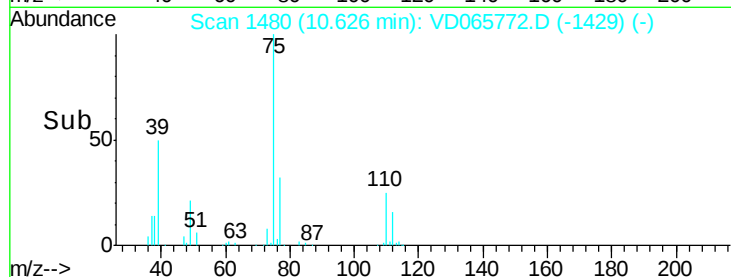
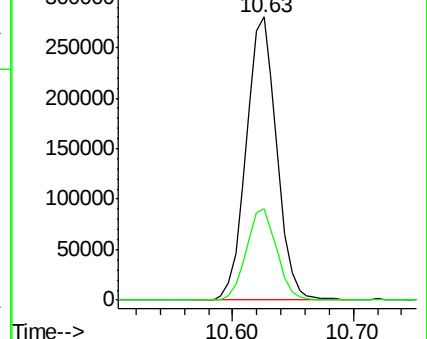
75 100

77 32.4 26.4 39.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 150.43 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

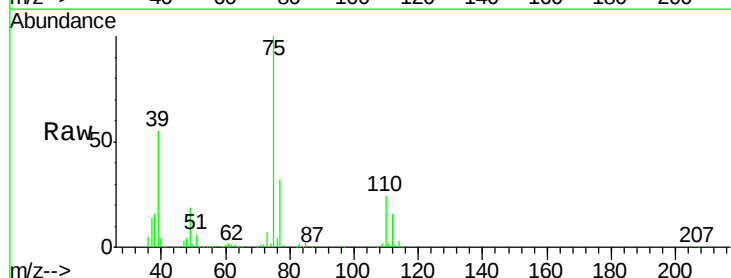
Tgt Ion: 75 Resp: 575812

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0

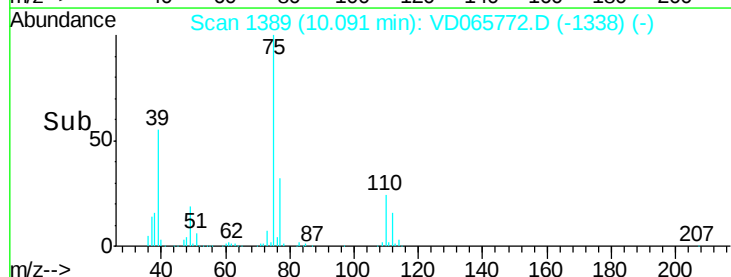
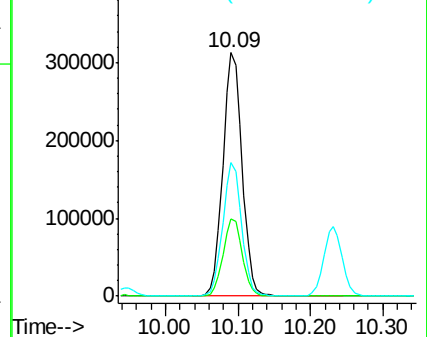
39 54.8 45.0 67.6

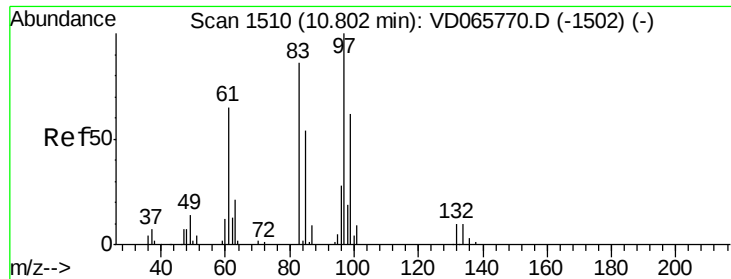


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

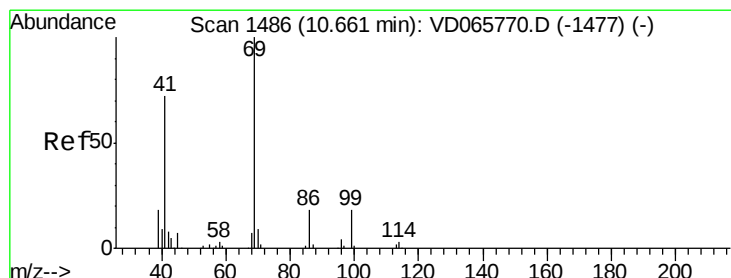
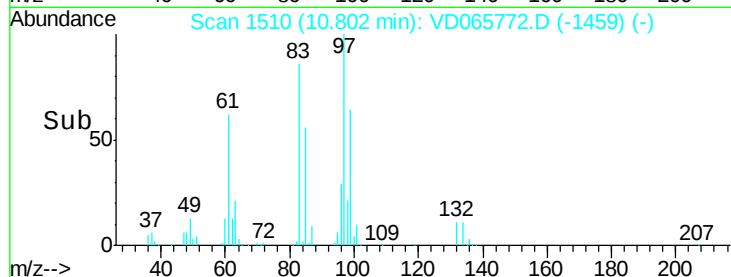
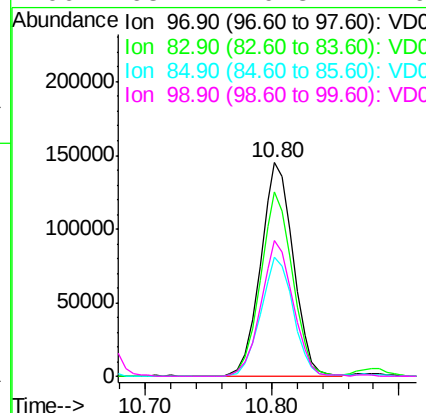
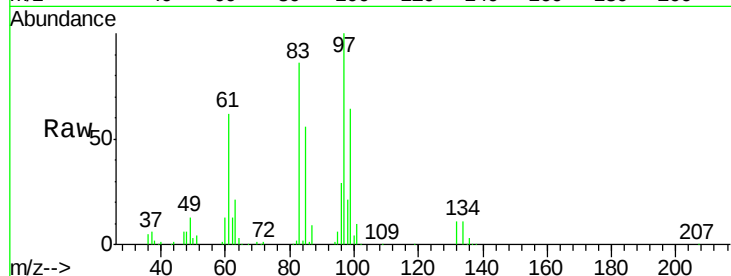




#55
 1,1,2-Trichloroethane
 Concen: 144.01 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

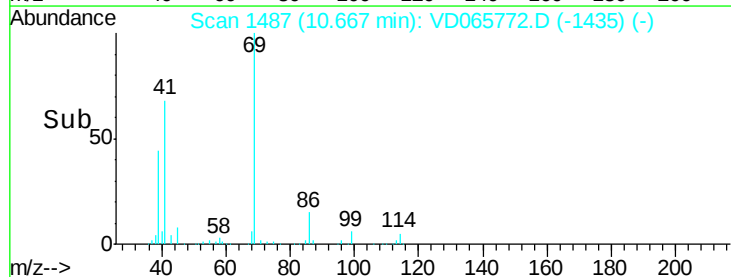
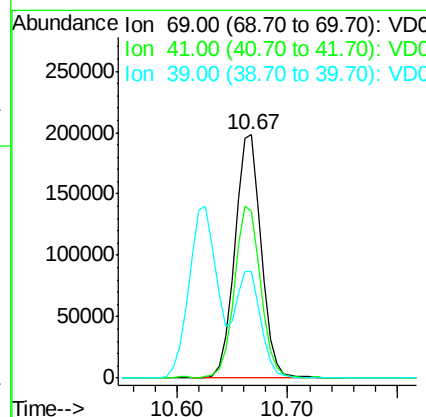
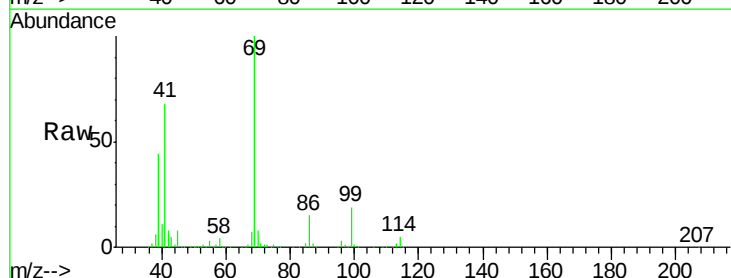
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

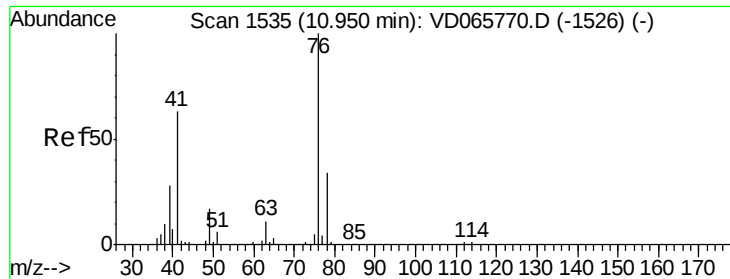
Tgt Ion: 97 Resp: 260412
 Ion Ratio Lower Upper
 97 100
 83 86.3 68.7 103.1
 85 55.6 43.0 64.6
 99 63.7 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 162.19 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 69 Resp: 332419
 Ion Ratio Lower Upper
 69 100
 41 69.7 56.9 85.3
 39 43.2 36.0 54.0

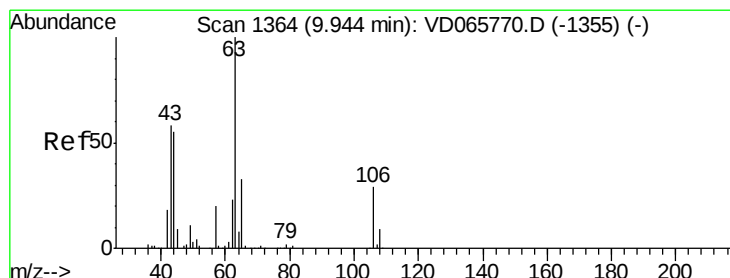
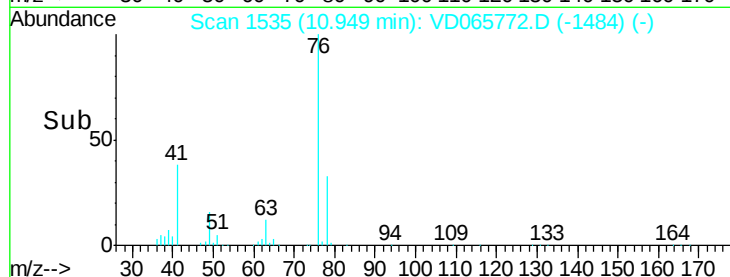
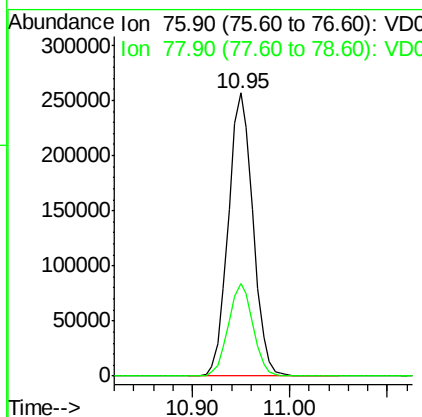
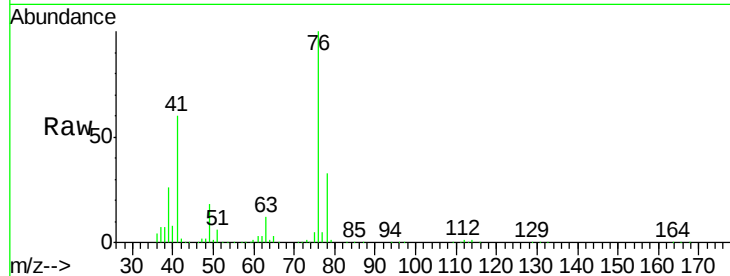




#57
 1,3-Dichloropropane
 Concen: 143.33 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

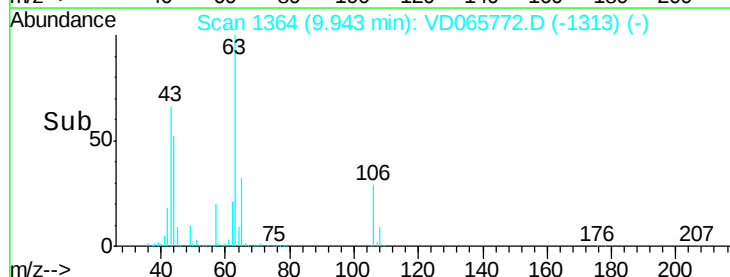
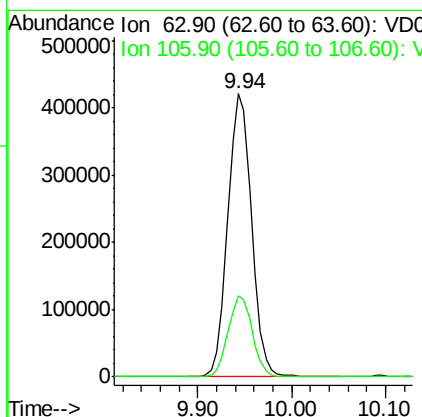
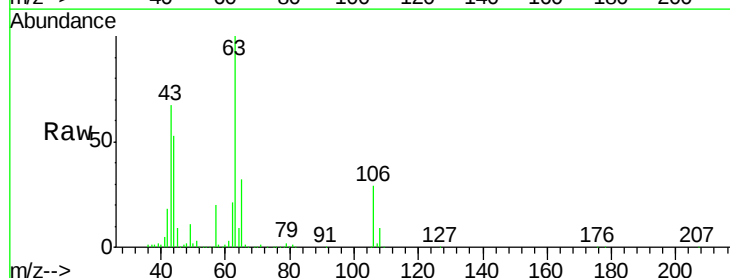
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

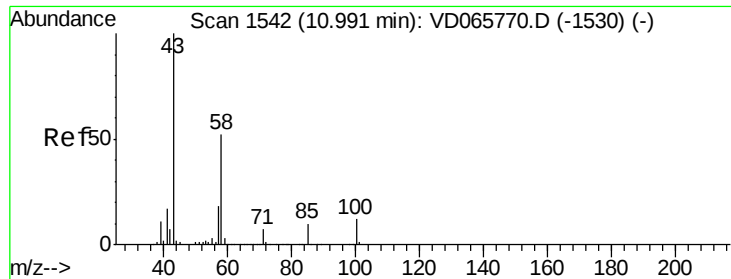
Tgt Ion: 76 Resp: 448978
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 771.54 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 63 Resp: 741241
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.2 34.8

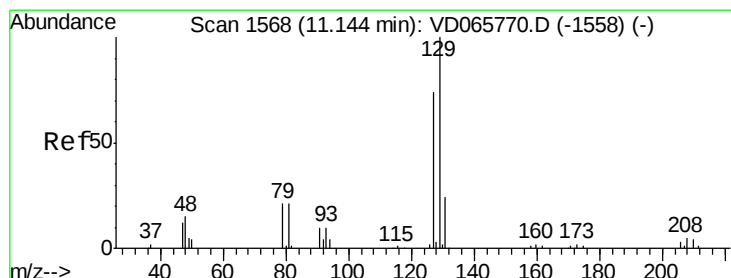
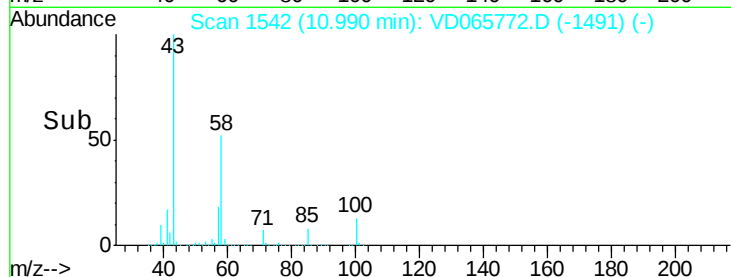
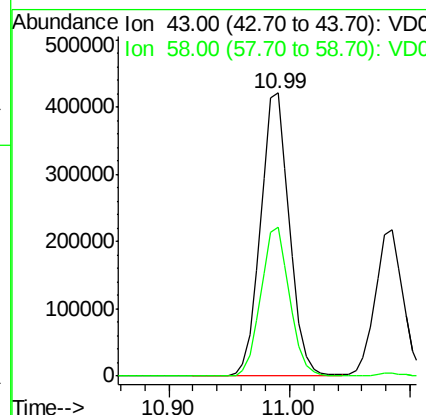
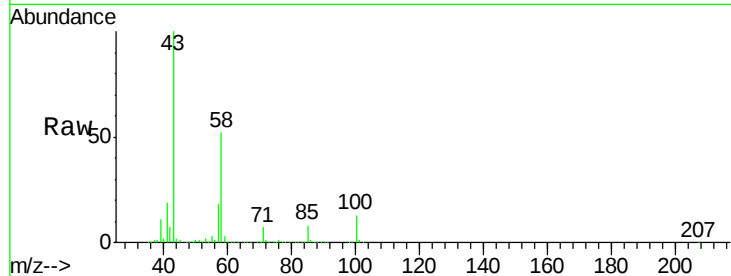




#59
2-Hexanone
Concen: 767.83 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

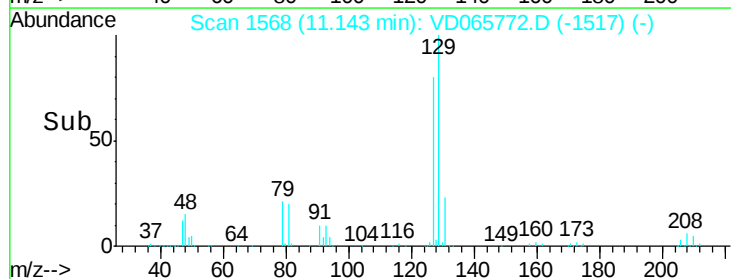
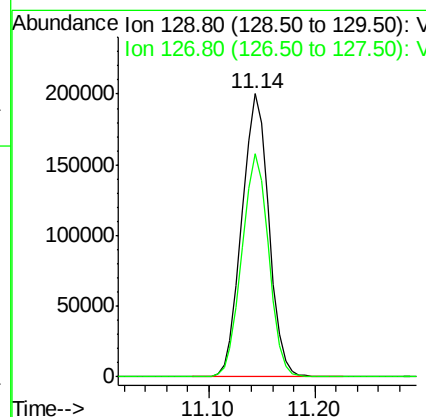
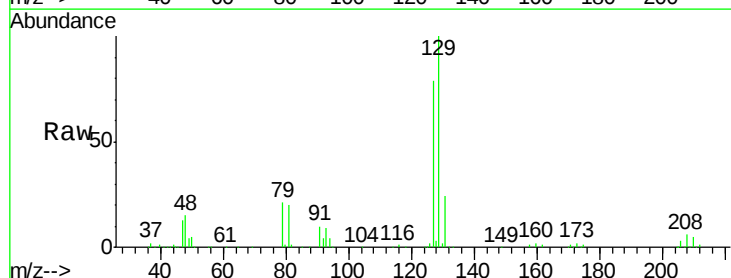
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

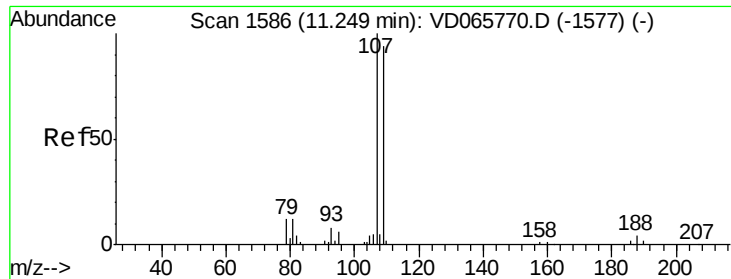
Tgt Ion: 43 Resp: 703546
Ion Ratio Lower Upper
43 100
58 52.4 25.7 77.0



#60
Dibromochloromethane
Concen: 145.39 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 129 Resp: 353717
Ion Ratio Lower Upper
129 100
127 78.3 38.0 113.9

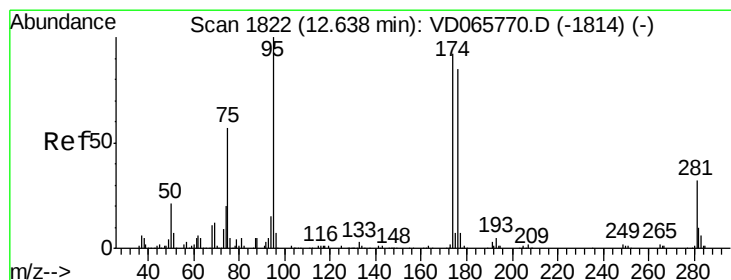
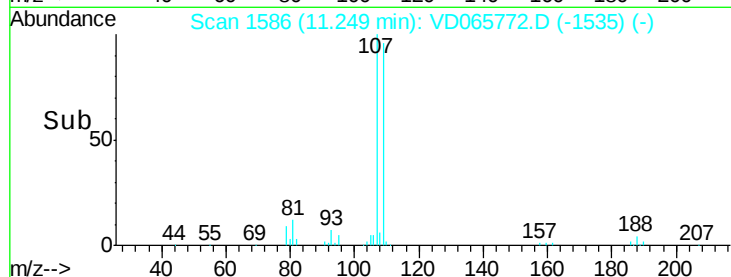
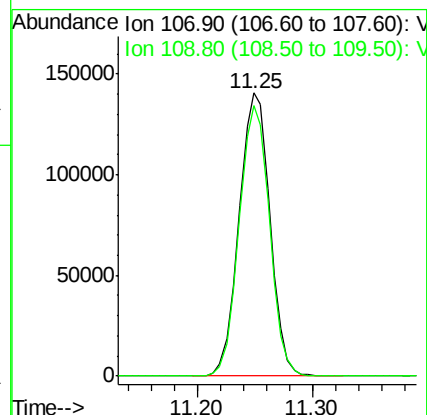
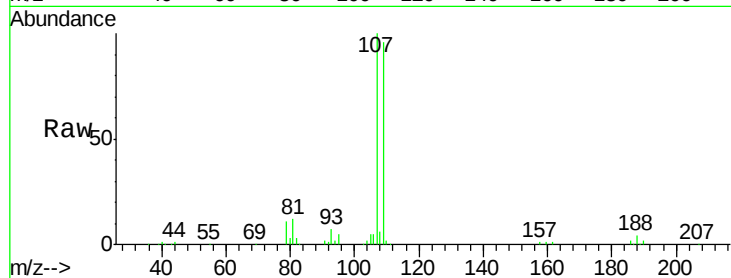




#61
 1,2-Dibromoethane
 Concen: 147.48 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

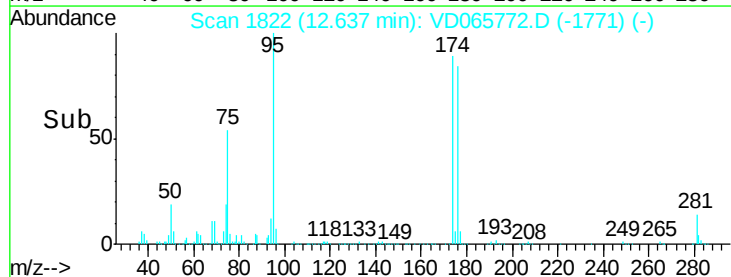
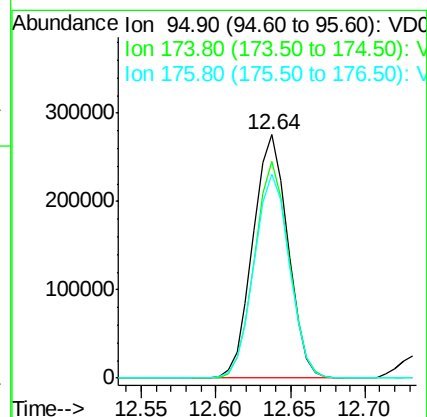
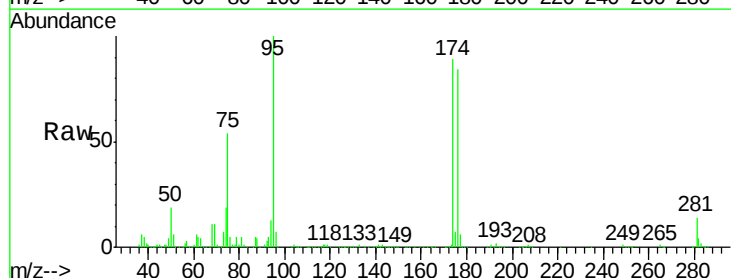
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

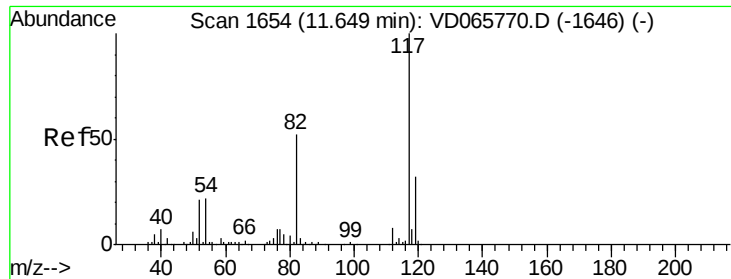
Tgt Ion: 107 Resp: 259777
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 151.92 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 95 Resp: 446939
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 175.2
 176 84.5 0.0 163.0

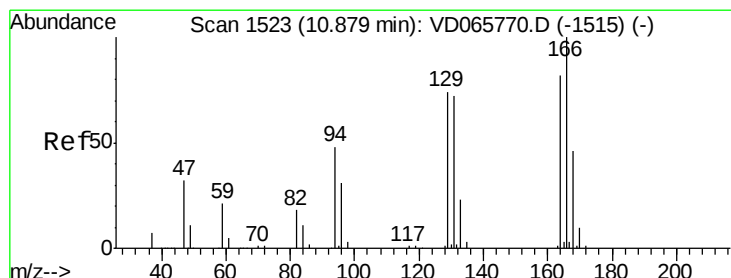
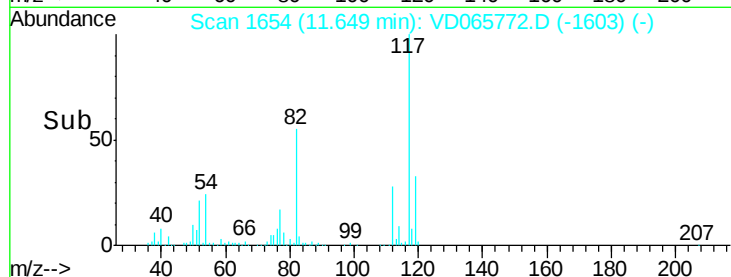
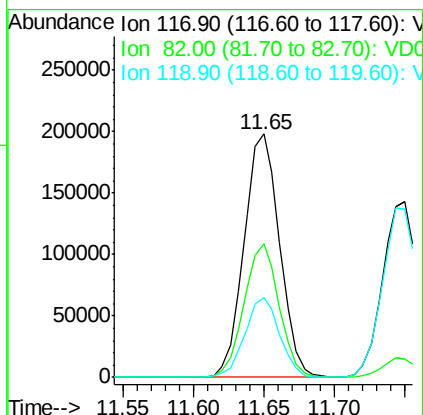
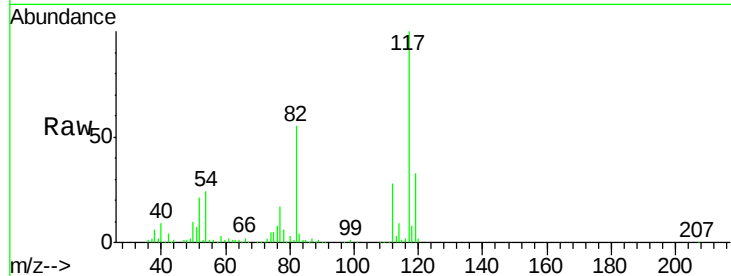




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

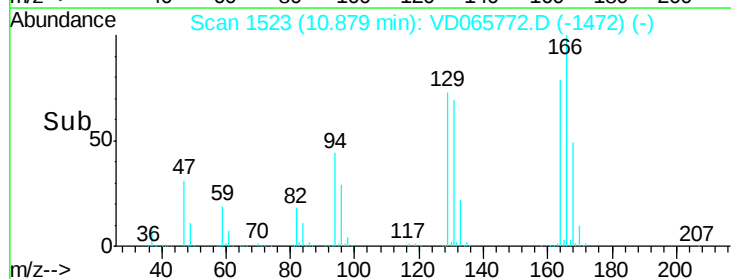
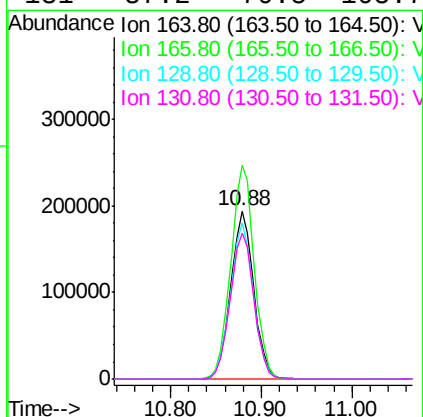
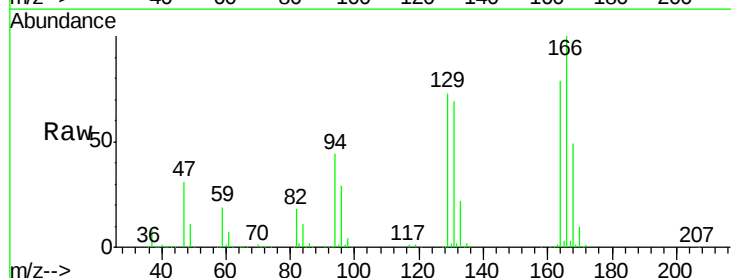
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

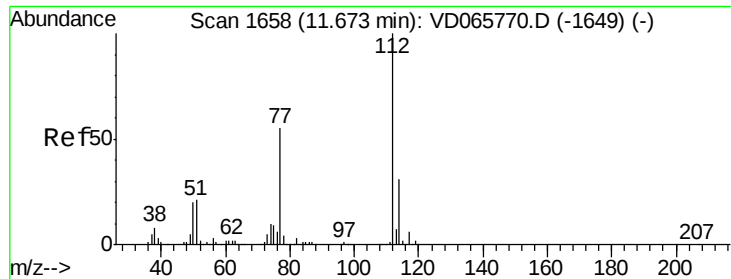
Tgt Ion:117 Resp: 349406
Ion Ratio Lower Upper
117 100
82 54.7 41.9 62.9
119 32.5 25.3 37.9



#64
Tetrachloroethene
Concen: 142.24 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion:164 Resp: 344064
Ion Ratio Lower Upper
164 100
166 127.2 98.2 147.2
129 93.0 72.3 108.5
131 87.2 70.5 105.7

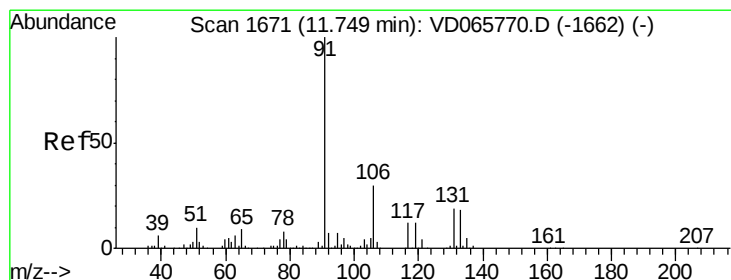
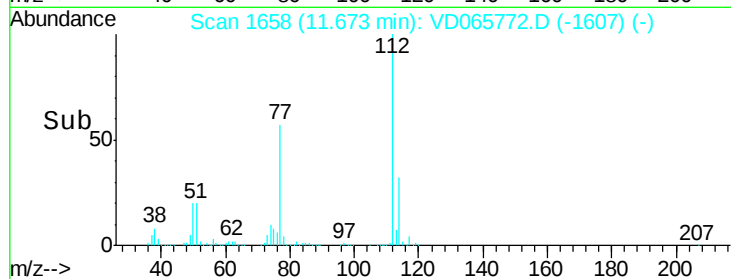
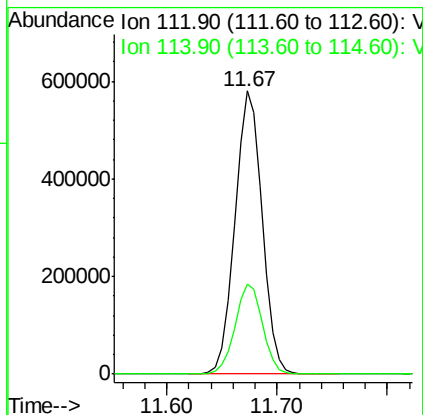
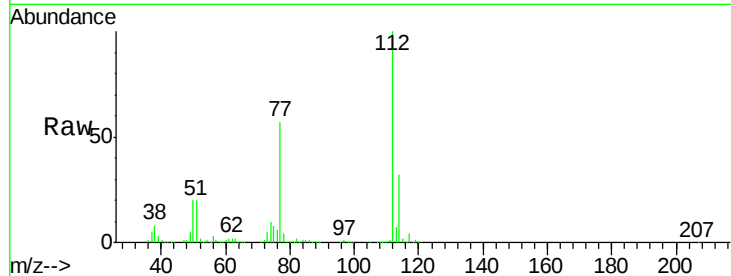




#65
Chlorobenzene
Concen: 144.73 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

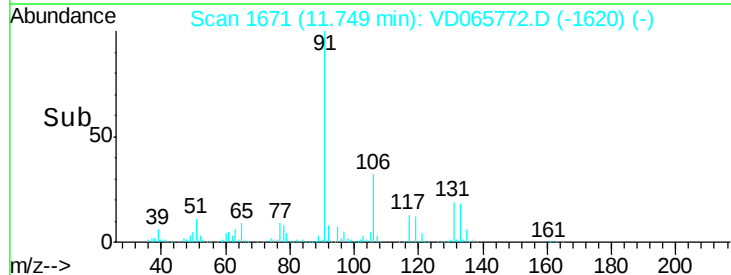
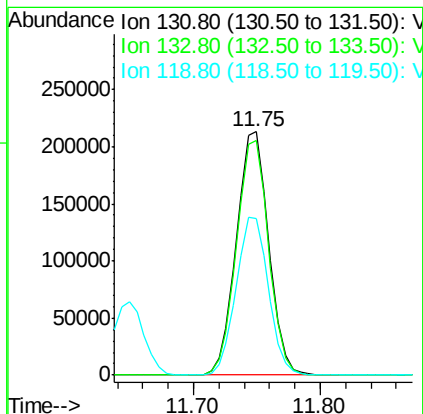
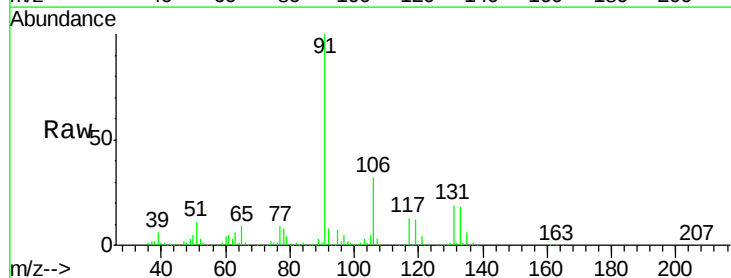
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

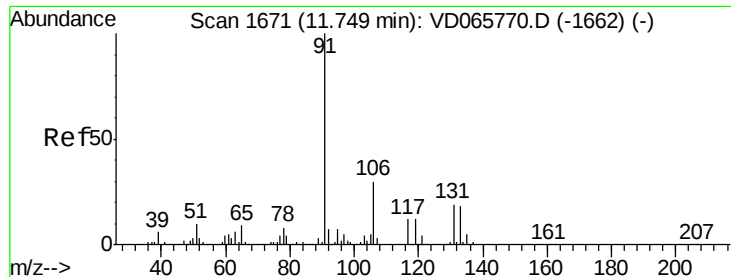
Tgt Ion:112 Resp: 1000567
Ion Ratio Lower Upper
112 100
114 31.9 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 146.76 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion:131 Resp: 375827
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.9
119 64.9 31.6 94.8





#67

Ethyl Benzene

Concen: 150.27 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

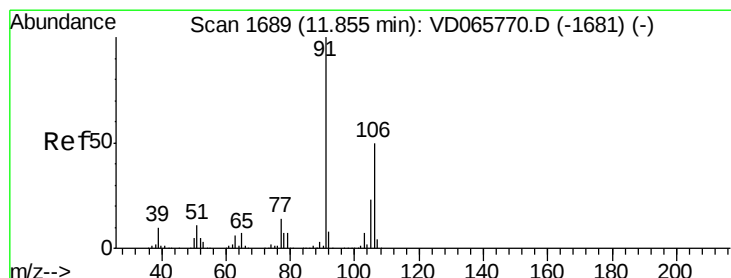
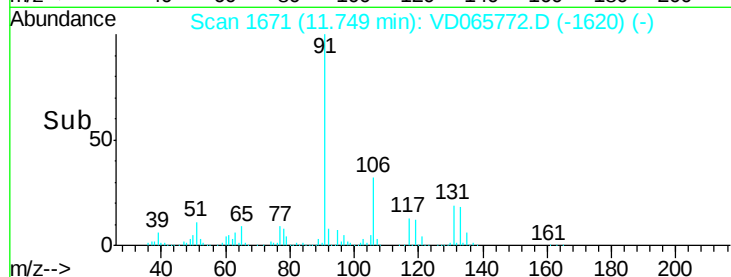
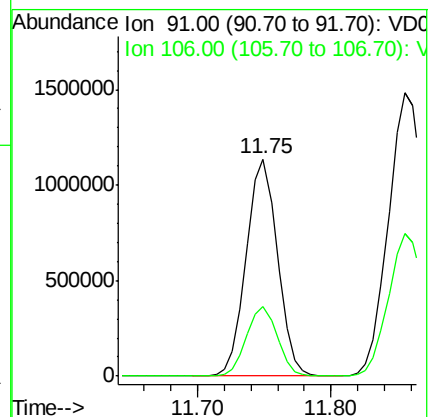
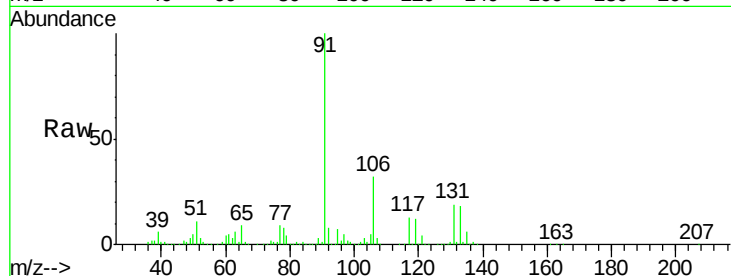
VSTDIC150

Tgt Ion: 91 Resp: 1836664

Ion Ratio Lower Upper

91 100

106 32.0 24.1 36.1



#68

m/p-Xylenes

Concen: 299.95 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065772.D

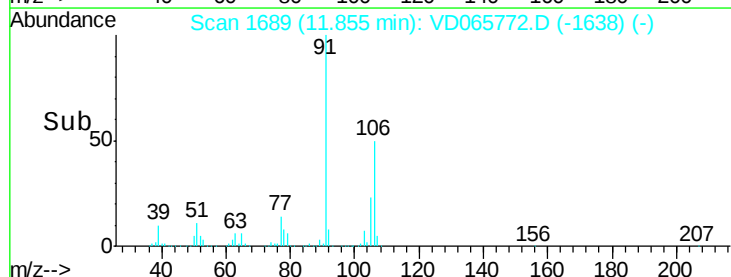
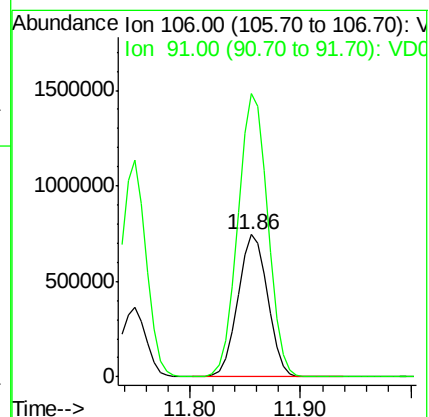
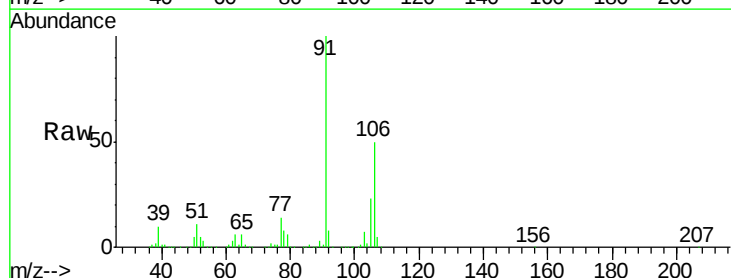
Acq: 05 Jun 2020 12:45

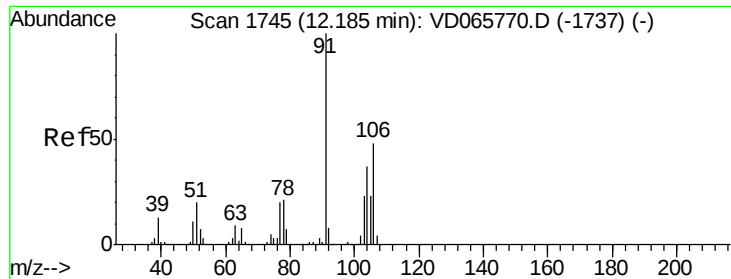
Tgt Ion: 106 Resp: 1411430

Ion Ratio Lower Upper

106 100

91 199.6 159.4 239.2

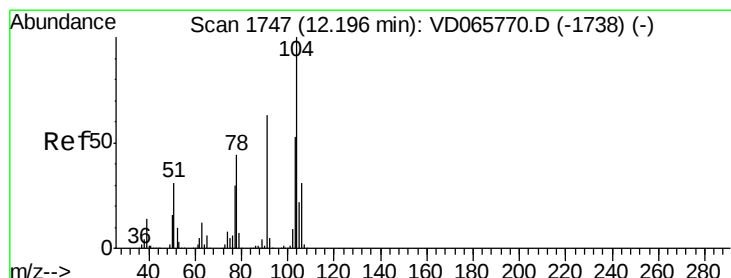
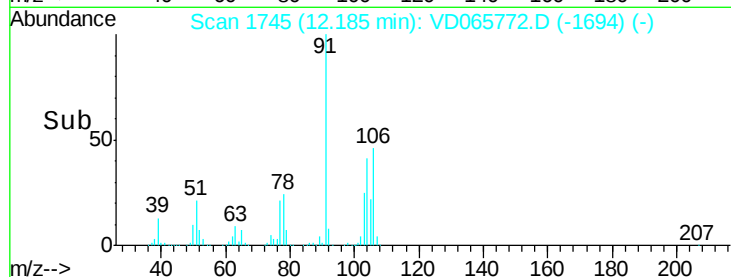
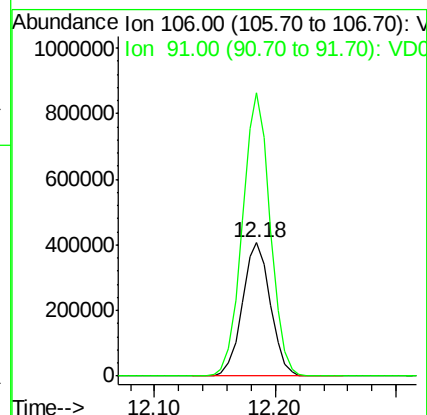
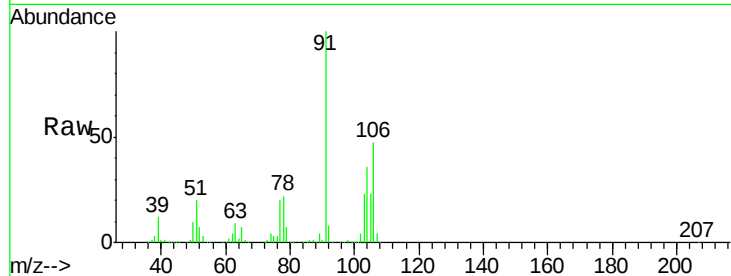




#69
o-Xylene
Concen: 157.38 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

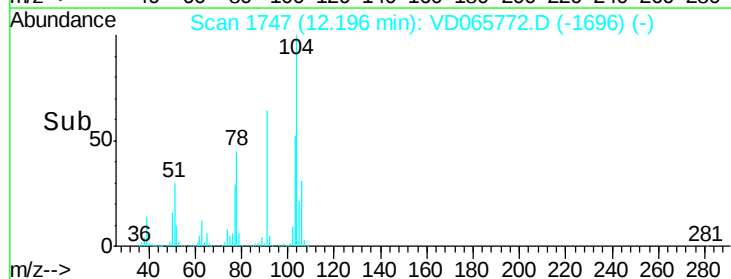
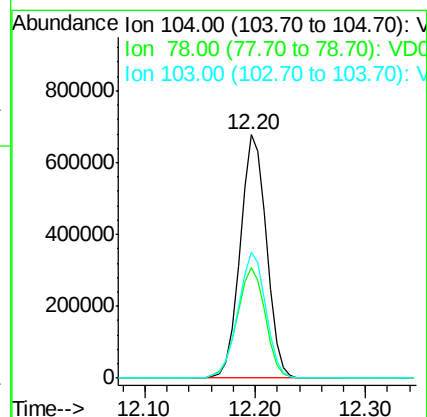
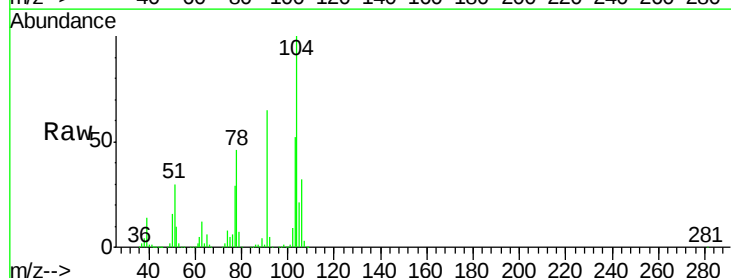
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

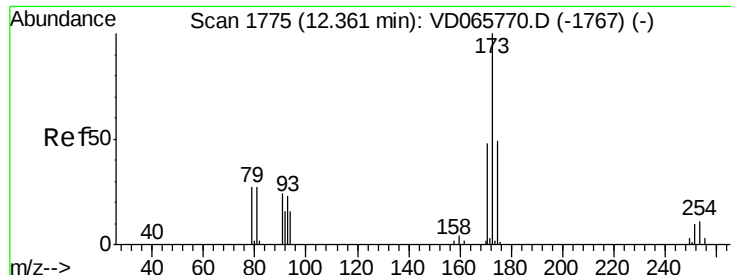
Tgt Ion:106 Resp: 657235
Ion Ratio Lower Upper
106 100
91 209.5 105.3 315.8



#70
Styrene
Concen: 157.01 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion:104 Resp: 1132683
Ion Ratio Lower Upper
104 100
78 48.9 38.6 58.0
103 54.5 43.9 65.9





#71

Bromoform

Concen: 149.50 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

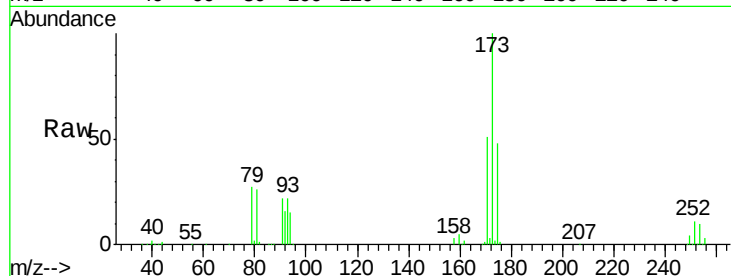
Tgt Ion:173 Resp: 209182

Ion Ratio Lower Upper

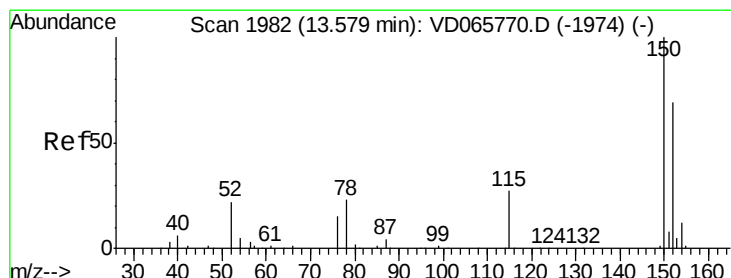
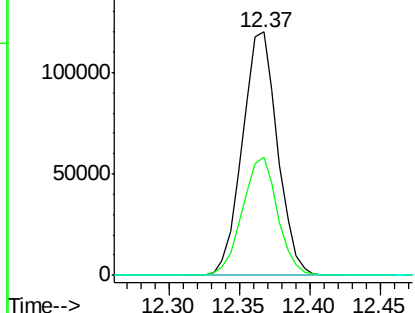
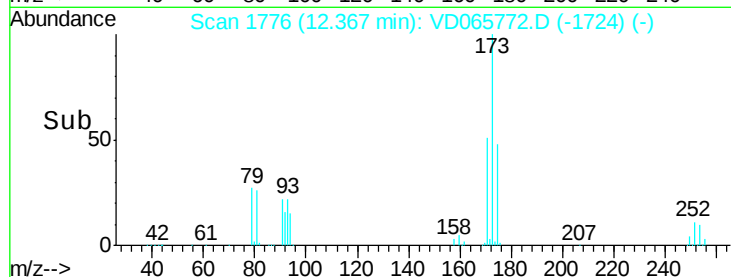
173 100

175 48.6 24.8 74.4

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

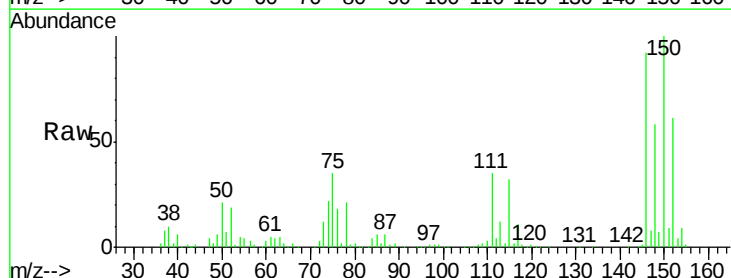
Tgt Ion:152 Resp: 177868

Ion Ratio Lower Upper

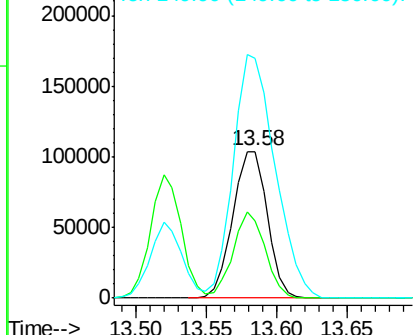
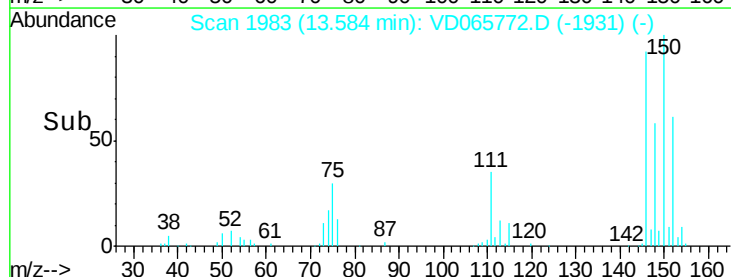
152 100

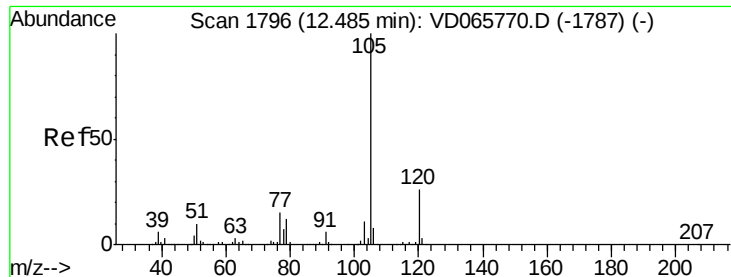
115 54.7 28.7 86.1

150 199.8 0.0 348.0



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





#73

Isopropylbenzene

Concen: 150.81 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

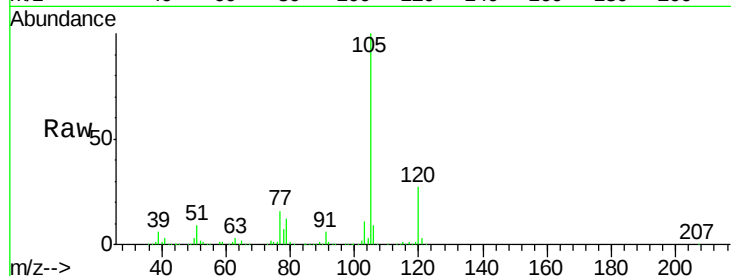
VSTDIC150

Tgt Ion:105 Resp: 1806832

Ion Ratio Lower Upper

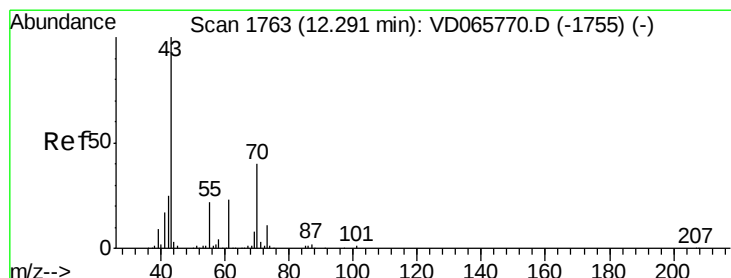
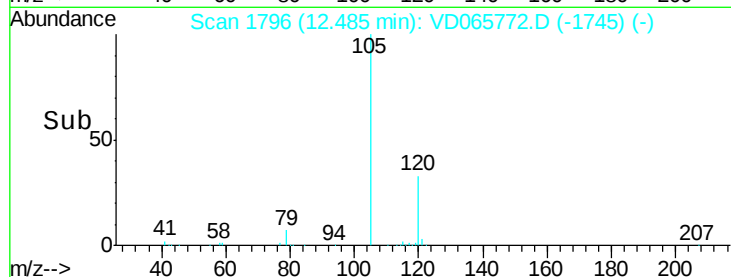
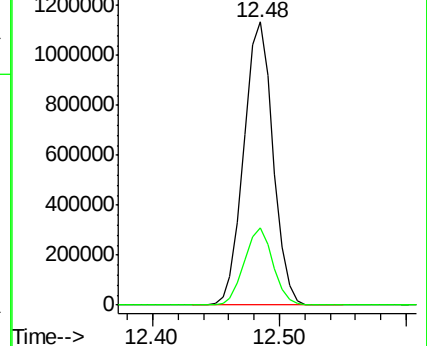
105 100

120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 149.19 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion: 43 Resp: 396485

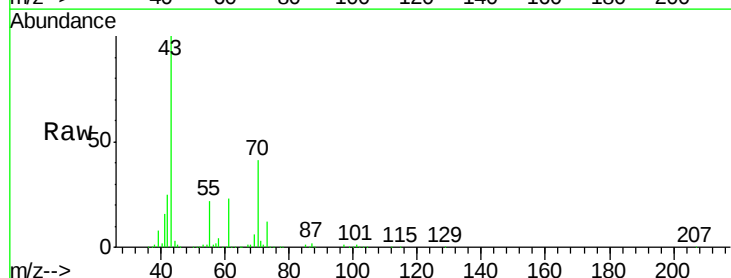
Ion Ratio Lower Upper

43 100

70 41.2 32.3 48.5

55 22.7 19.0 28.4

61 23.4 19.0 28.4

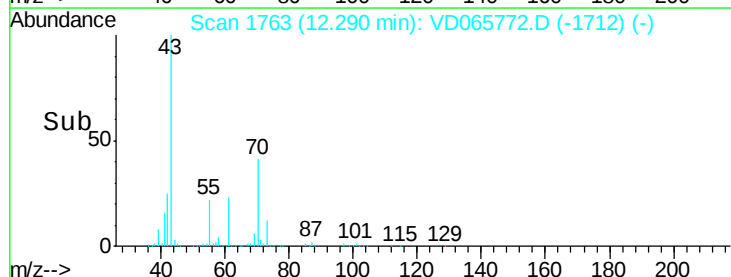
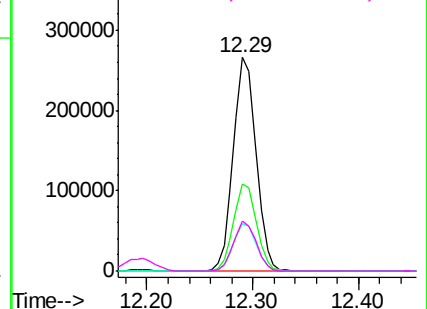


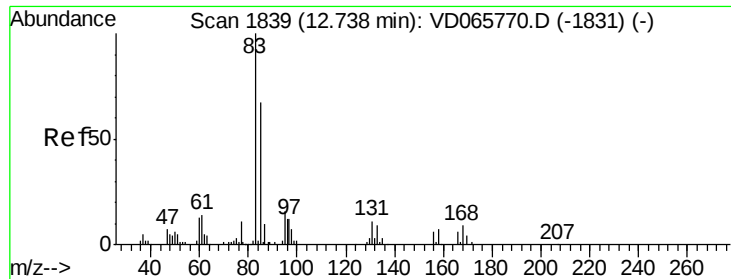
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 134.04 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

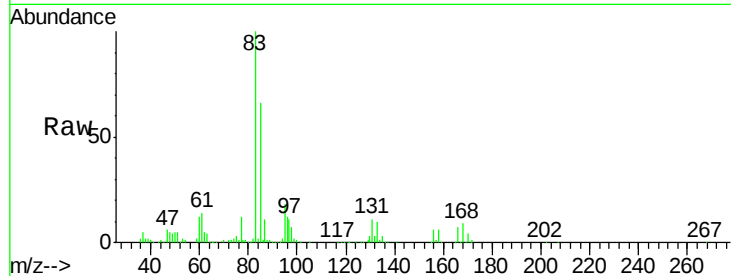
Tgt Ion: 83 Resp: 279142

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

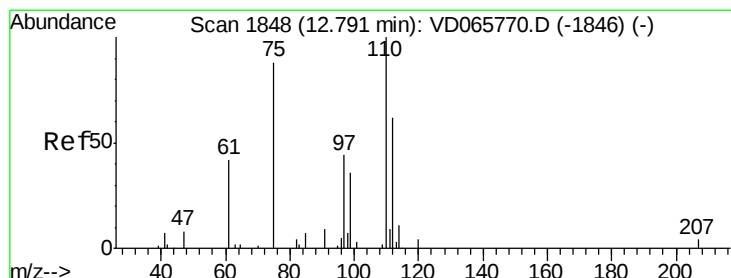
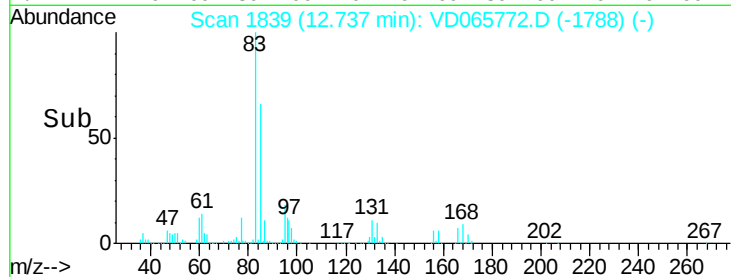
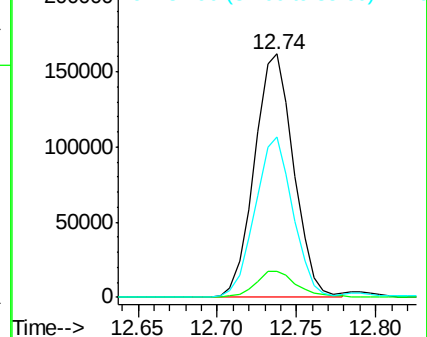
85 63.6 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 270.58 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065772.D

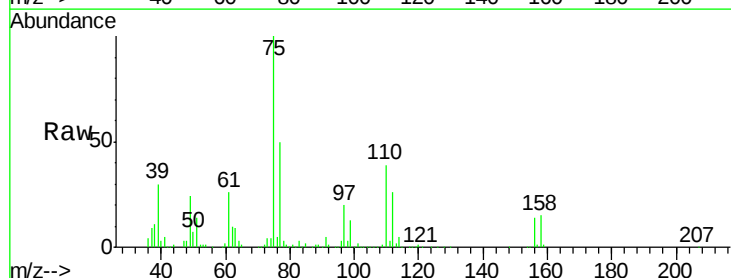
Acq: 05 Jun 2020 12:45

Tgt Ion: 75 Resp: 376994

Ion Ratio Lower Upper

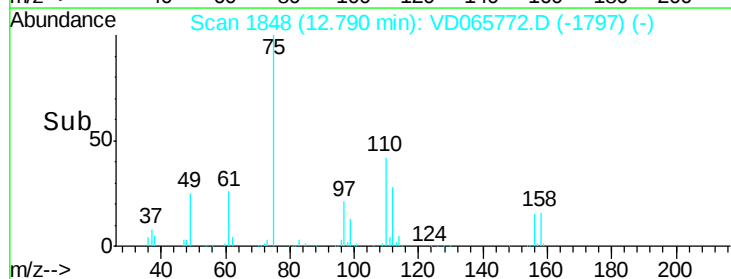
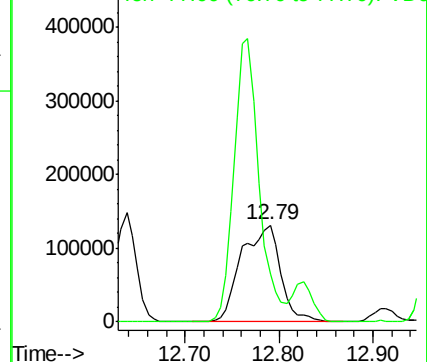
75 100

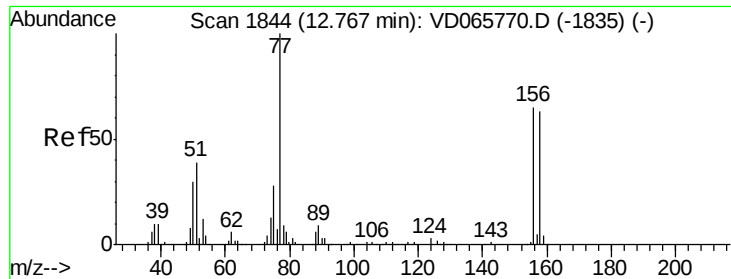
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 147.75 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

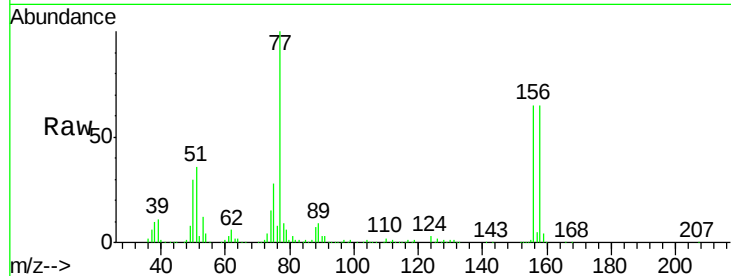
Tgt Ion:156 Resp: 419724

Ion Ratio Lower Upper

156 100

77 170.5 87.3 261.8

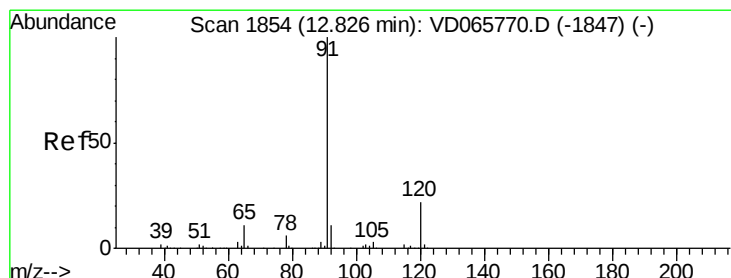
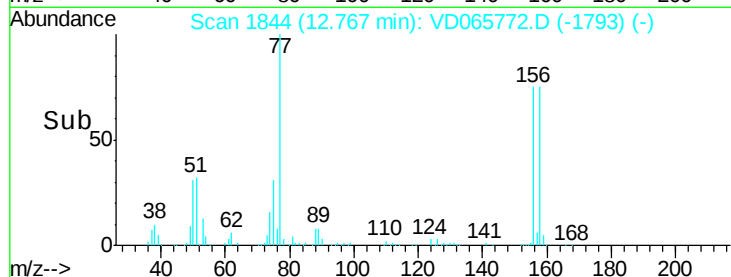
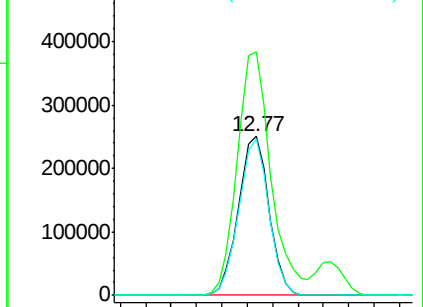
158 96.9 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 145.44 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065772.D

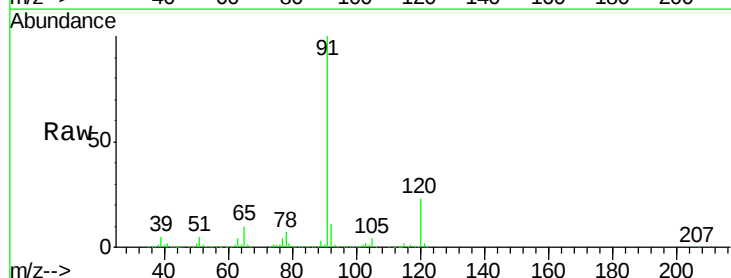
Acq: 05 Jun 2020 12:45

Tgt Ion: 91 Resp: 2114729

Ion Ratio Lower Upper

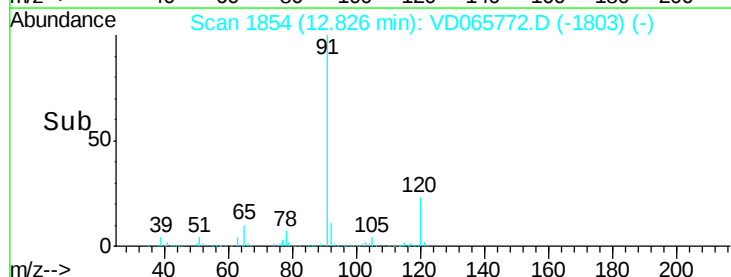
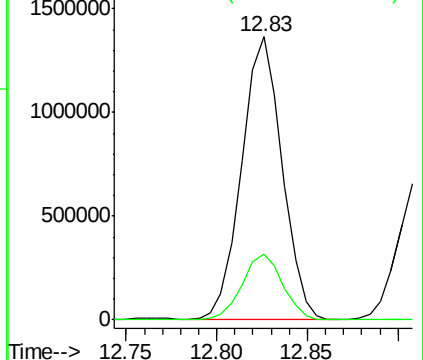
91 100

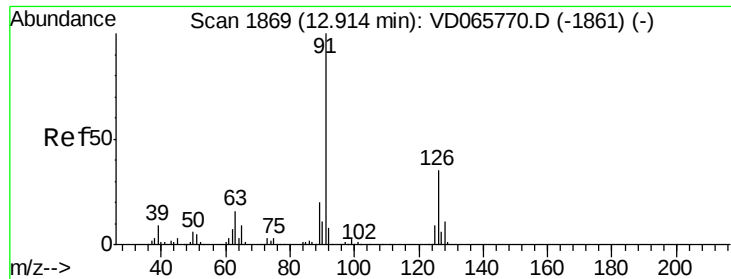
120 23.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

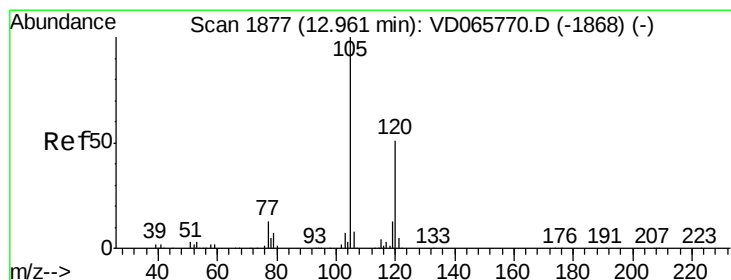
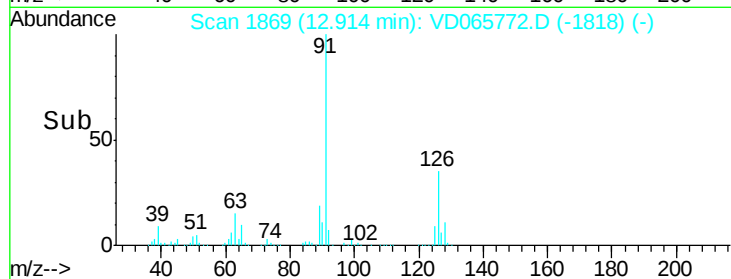
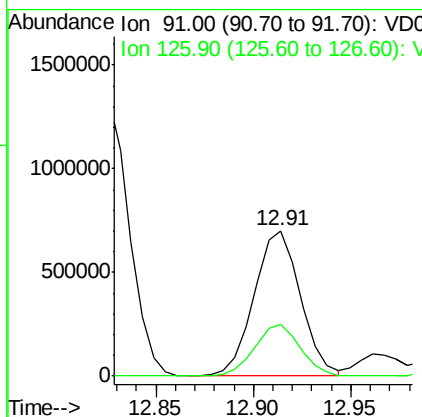
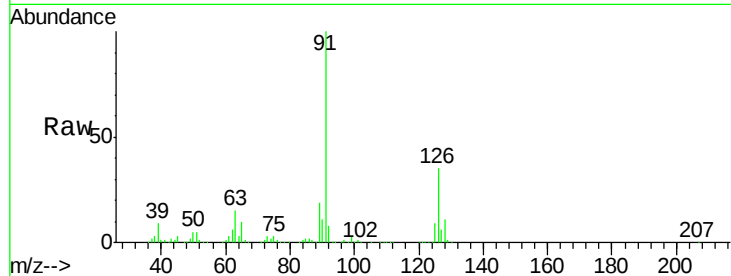




#79
 2-Chlorotoluene
 Concen: 144.49 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

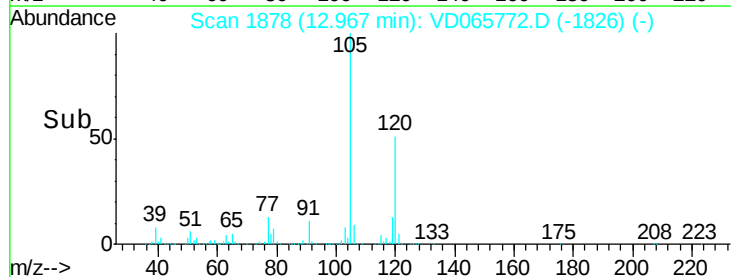
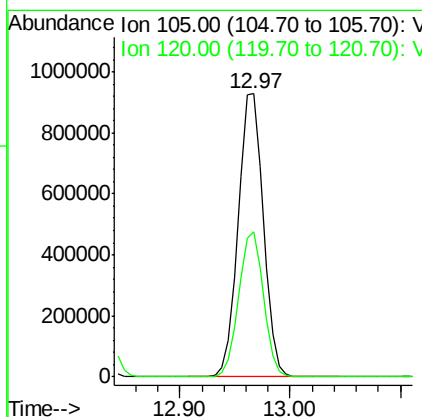
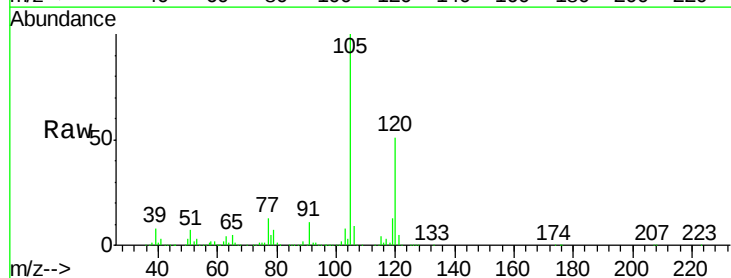
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

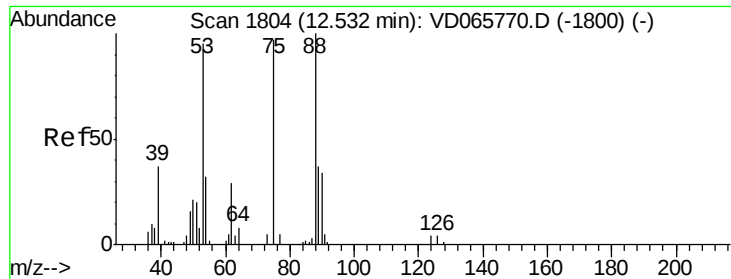
Tgt Ion: 91 Resp: 1153221
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 149.87 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 105 Resp: 1493162
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 155.81 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

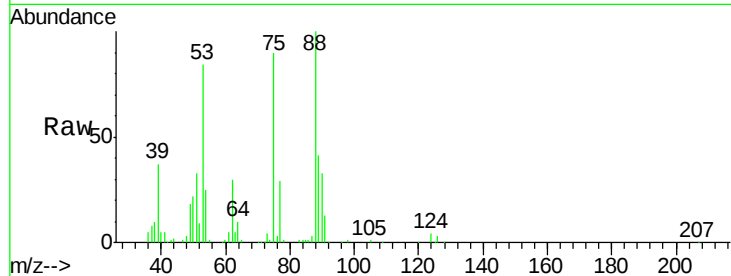
Tgt Ion: 75 Resp: 98375

Ion Ratio Lower Upper

75 100

53 95.8 82.6 123.8

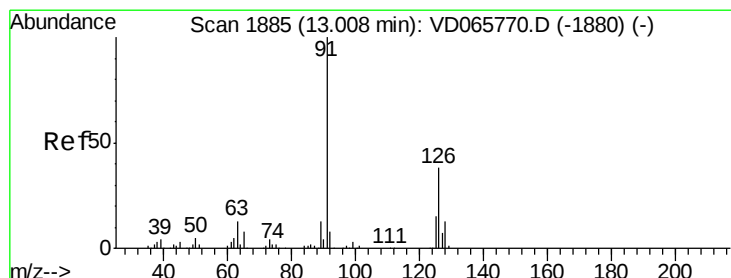
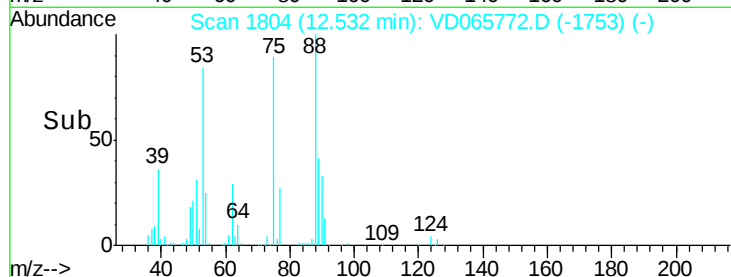
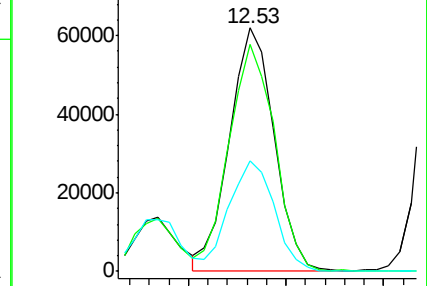
89 45.5 35.9 53.9



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: 141.11 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065772.D

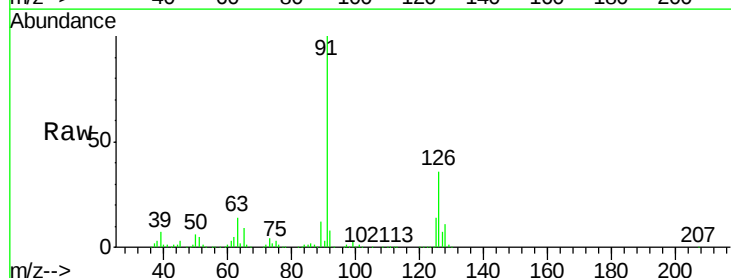
Acq: 05 Jun 2020 12:45

Tgt Ion: 91 Resp: 1216533

Ion Ratio Lower Upper

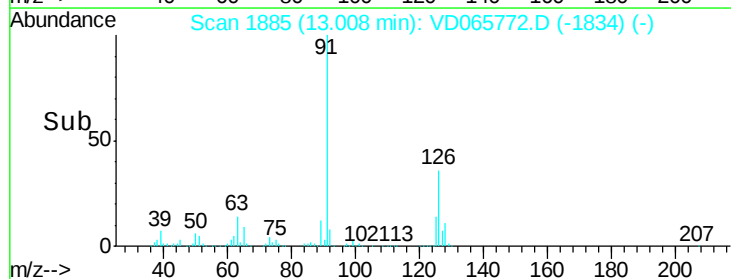
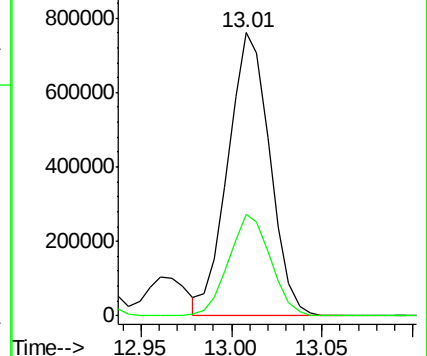
91 100

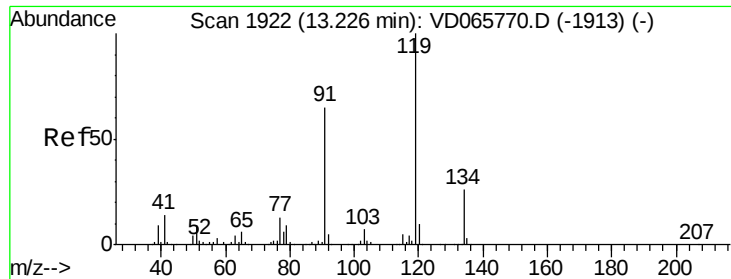
126 35.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

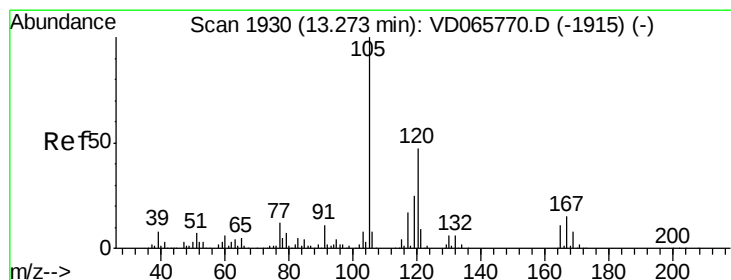
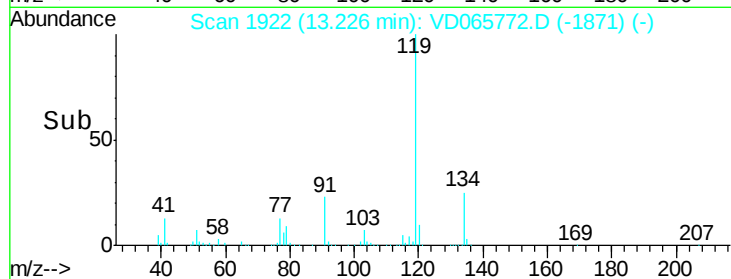
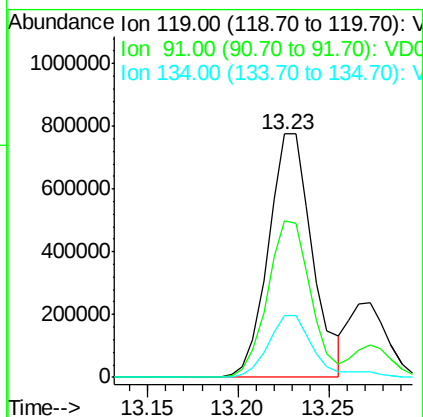
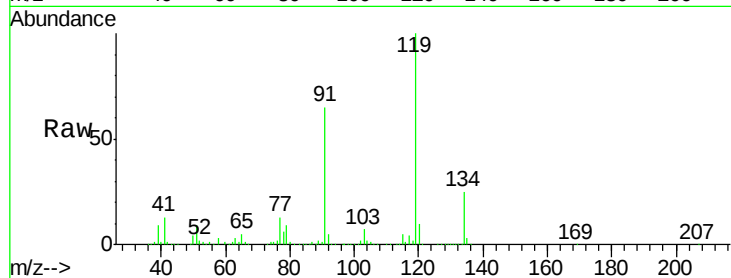




#83
tert-Butylbenzene
Concen: 152.03 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

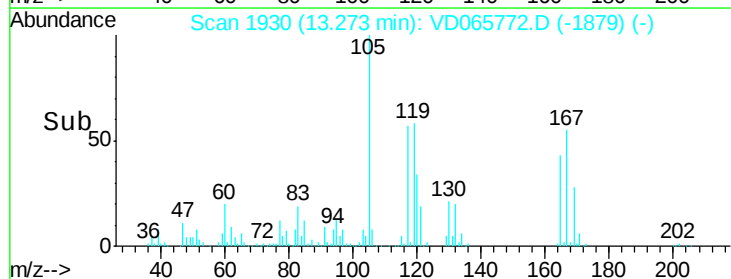
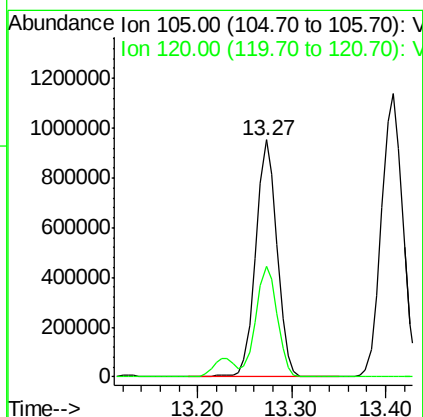
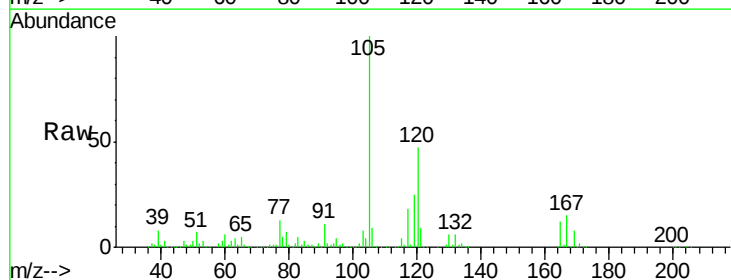
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

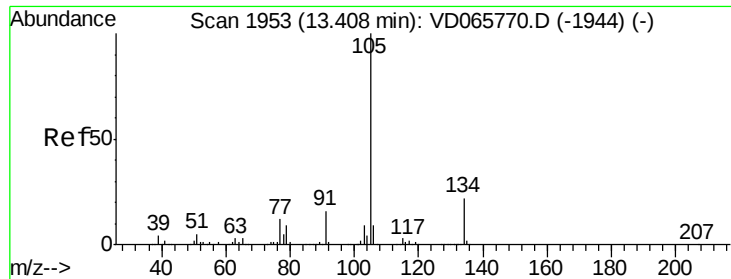
Tgt Ion:119 Resp: 1310399
Ion Ratio Lower Upper
119 100
91 63.0 32.0 96.0
134 26.7 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 149.30 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion:105 Resp: 1489029
Ion Ratio Lower Upper
105 100
120 47.1 23.3 69.8

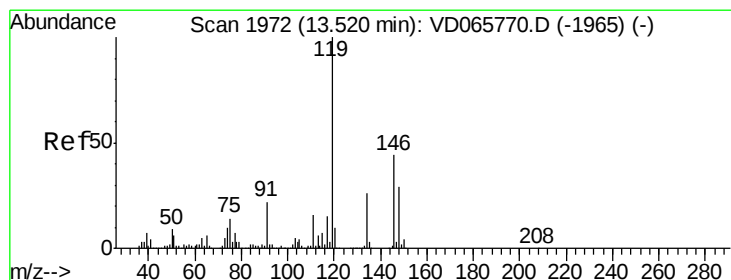
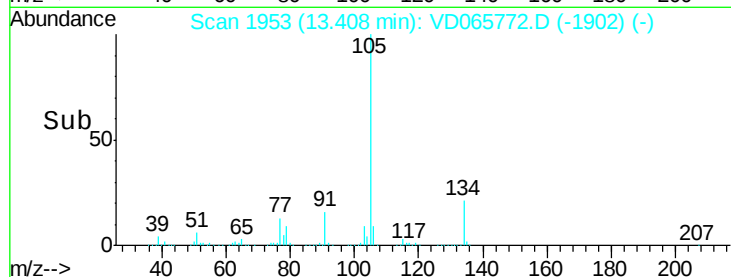
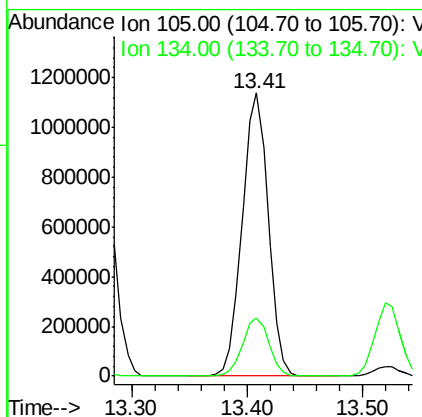
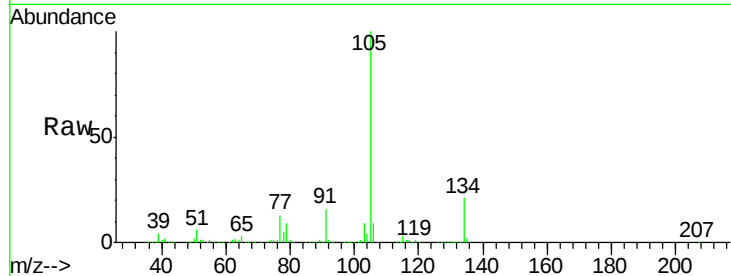




#85
 sec-Butylbenzene
 Concen: 147.72 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

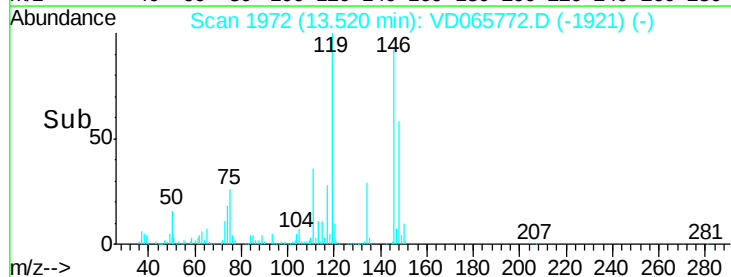
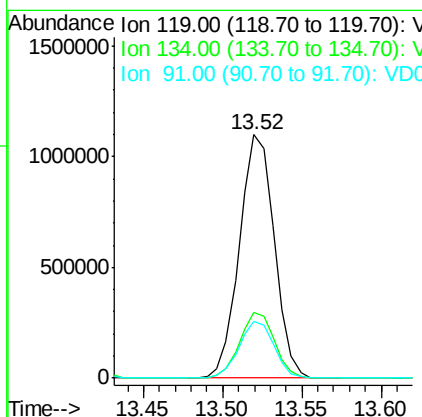
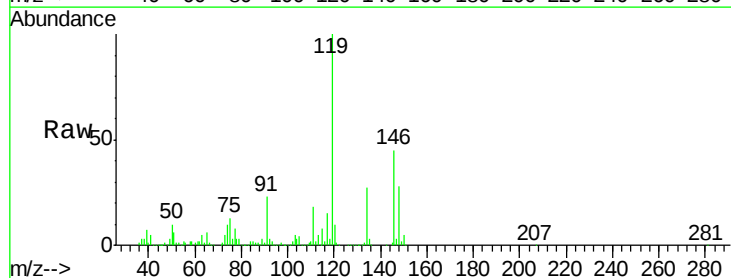
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

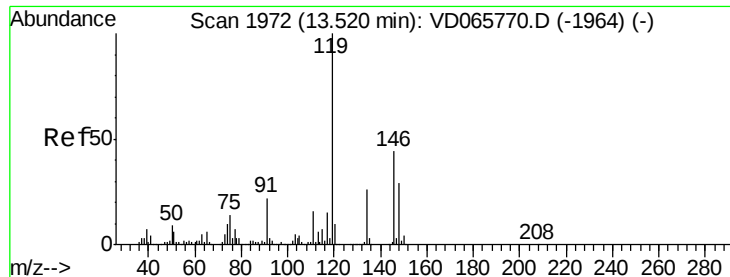
Tgt Ion:105 Resp: 1784947
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 152.62 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion:119 Resp: 1674386
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.9
 91 23.3 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 141.90 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

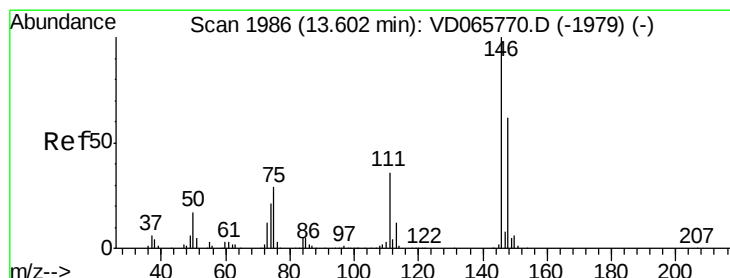
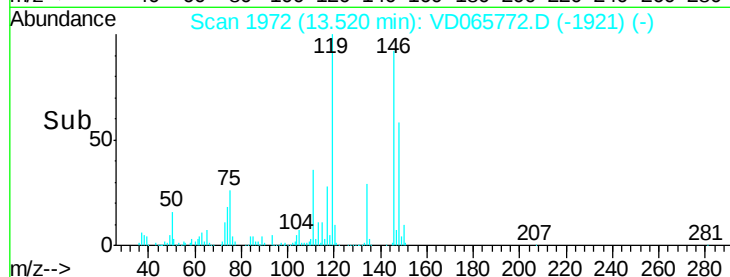
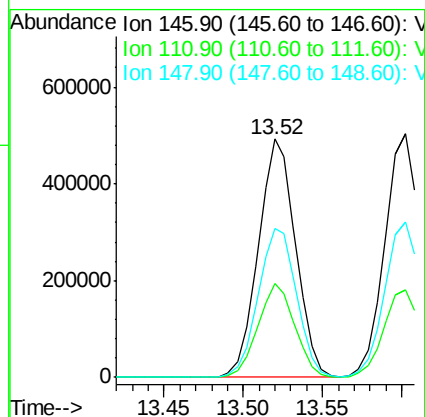
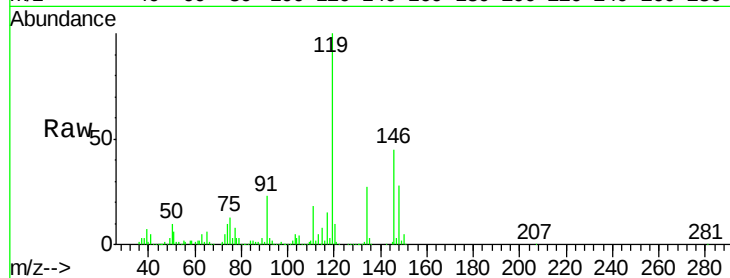
Tgt Ion:146 Resp: 804641

Ion Ratio Lower Upper

146 100

111 38.7 19.2 57.6

148 64.1 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 141.13 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

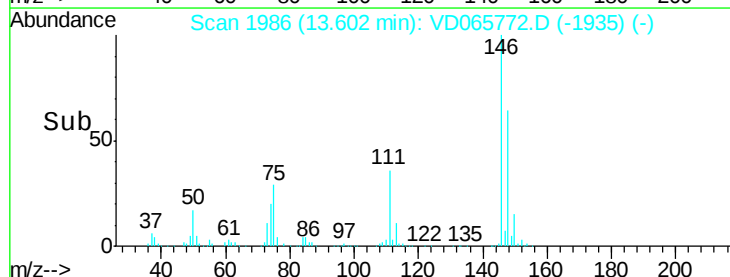
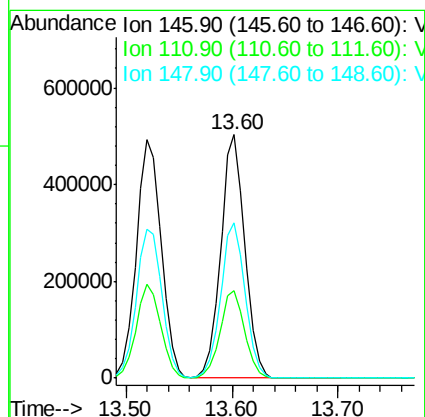
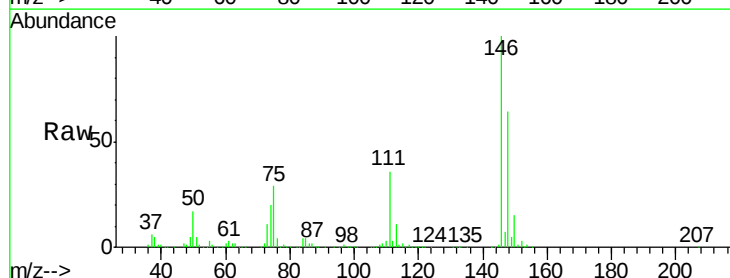
Tgt Ion:146 Resp: 798365

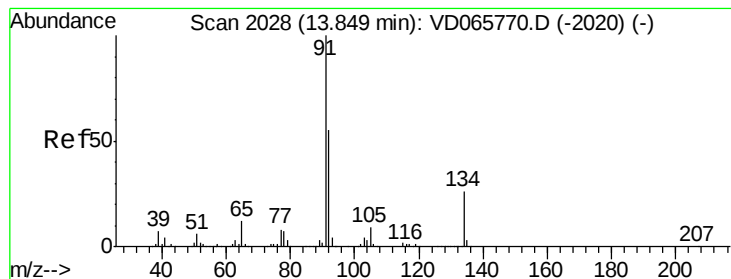
Ion Ratio Lower Upper

146 100

111 36.6 18.9 56.7

148 64.4 31.6 94.7





#89

n-Butylbenzene

Concen: 148.04 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

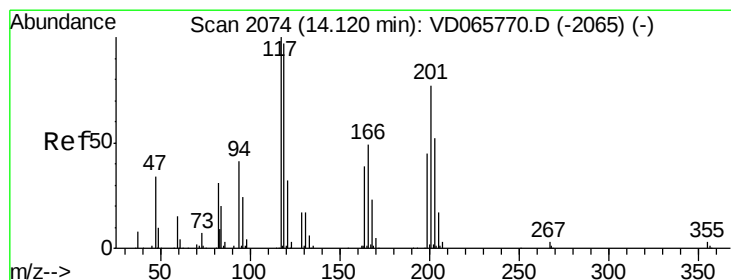
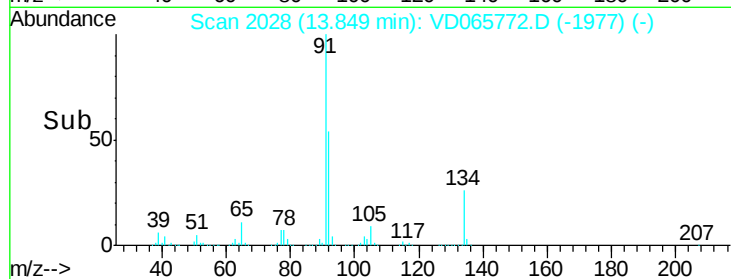
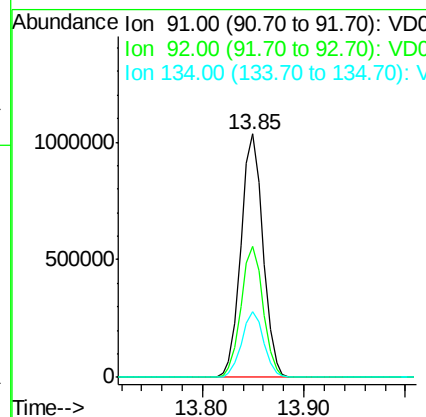
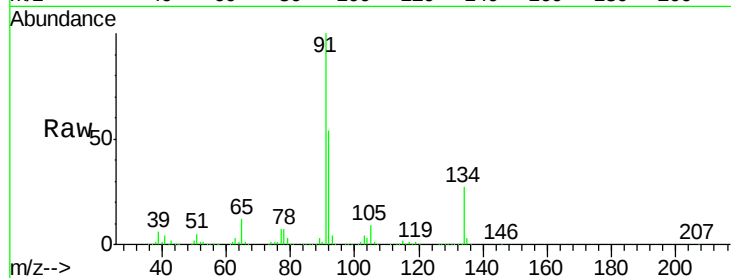
Tgt Ion: 91 Resp: 1561409

Ion Ratio Lower Upper

91 100

92 53.9 27.0 81.0

134 26.9 13.0 39.0



#90

Hexachloroethane

Concen: 145.17 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065772.D

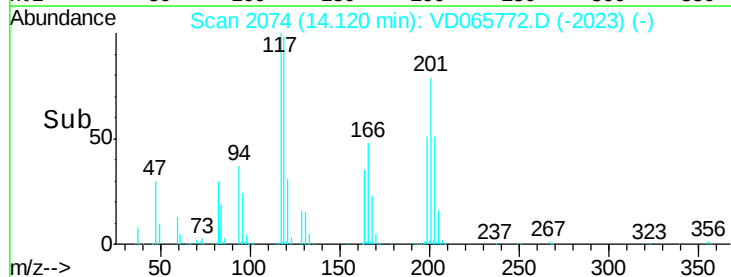
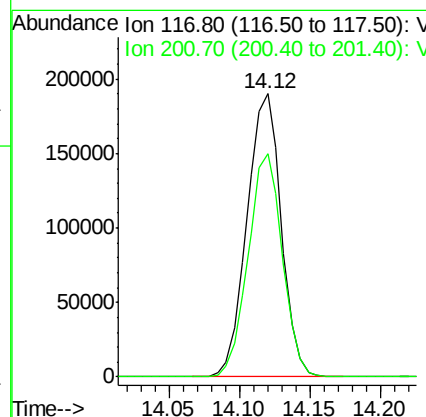
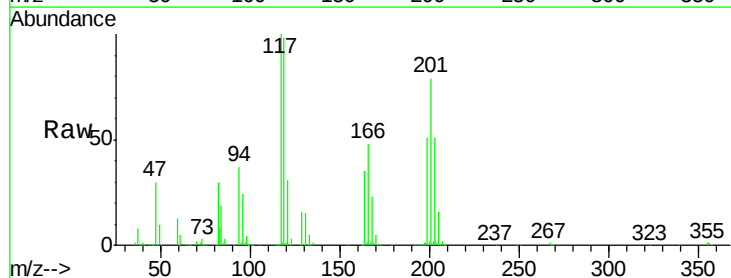
Acq: 05 Jun 2020 12:45

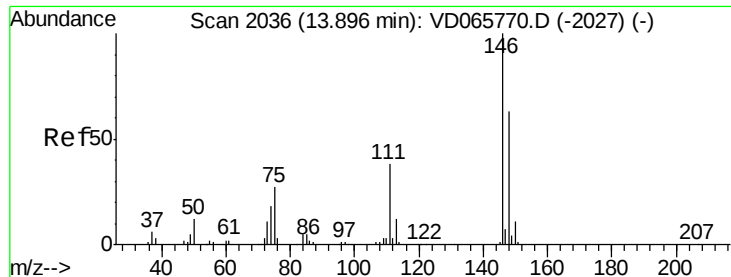
Tgt Ion: 117 Resp: 323639

Ion Ratio Lower Upper

117 100

201 78.7 37.1 111.5





#91

1,2-Dichlorobenzene

Concen: 143.10 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

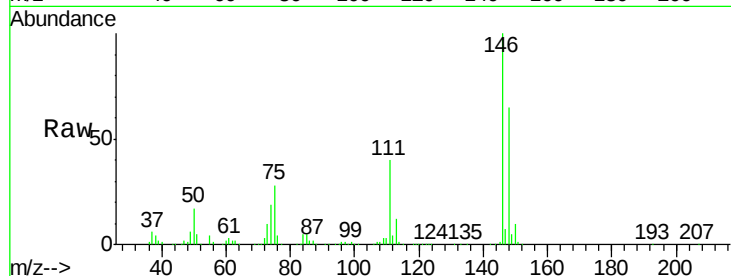
Tgt Ion:146 Resp: 695848

Ion Ratio Lower Upper

146 100

111 39.8 19.8 59.4

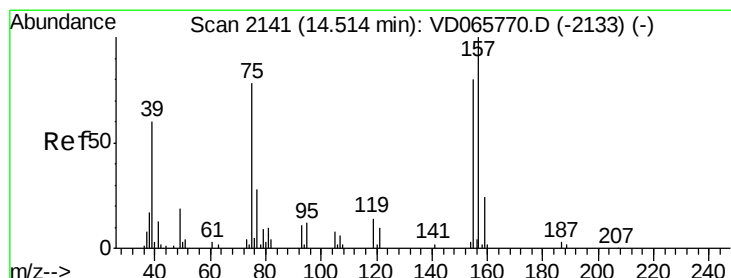
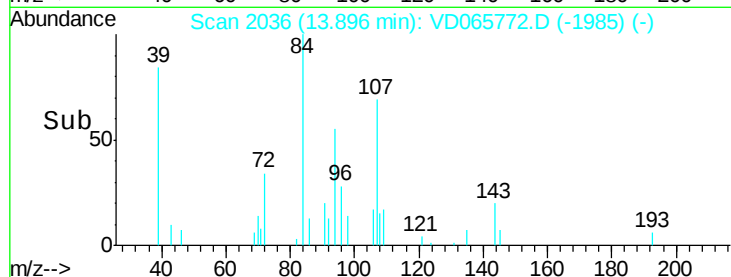
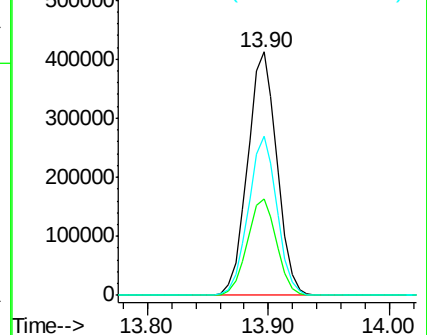
148 63.8 31.9 95.7



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: 132.70 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

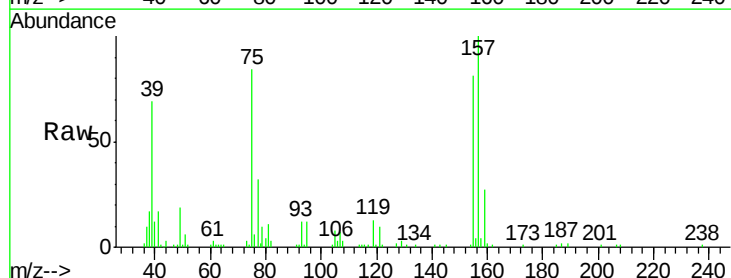
Tgt Ion: 75 Resp: 45718

Ion Ratio Lower Upper

75 100

155 94.6 46.3 138.9

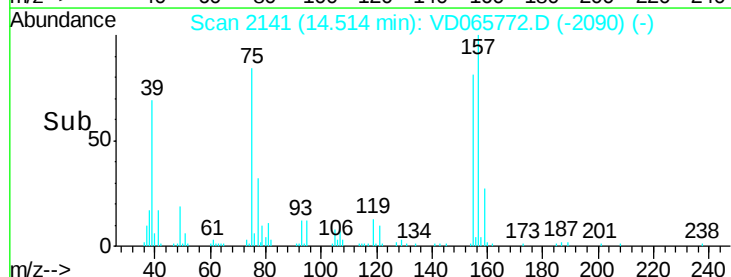
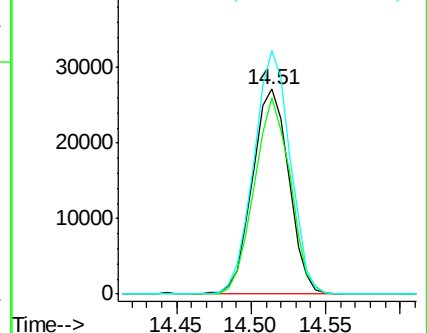
157 118.5 58.1 174.3

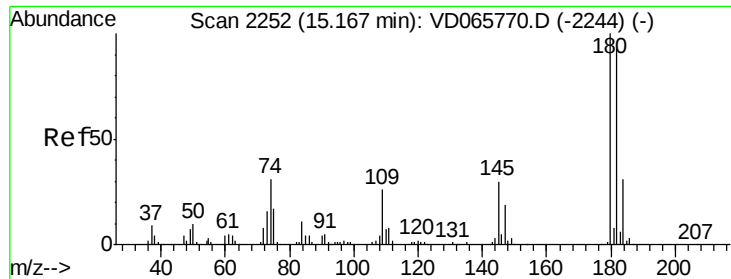


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

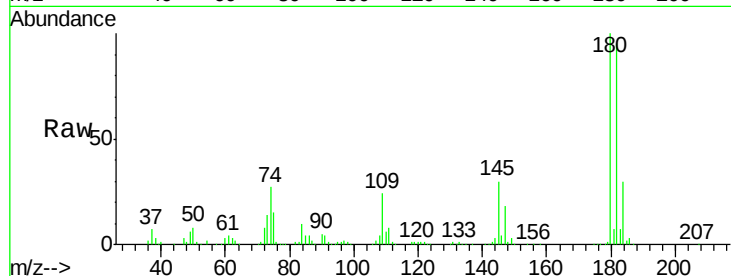




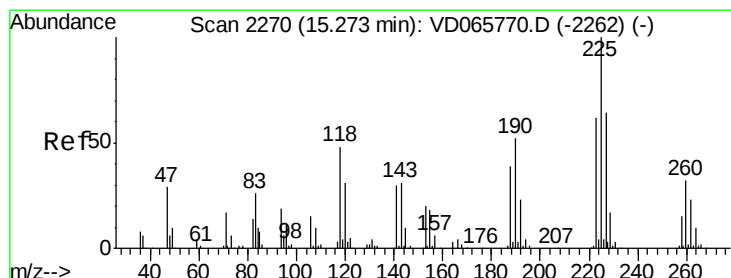
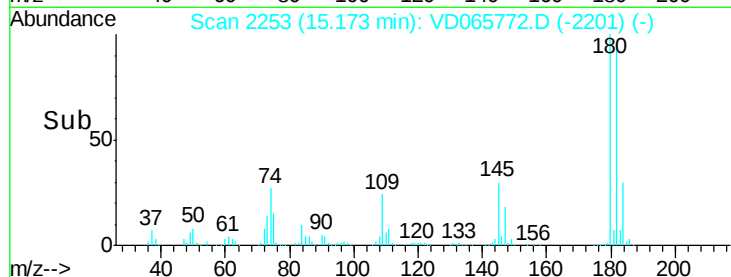
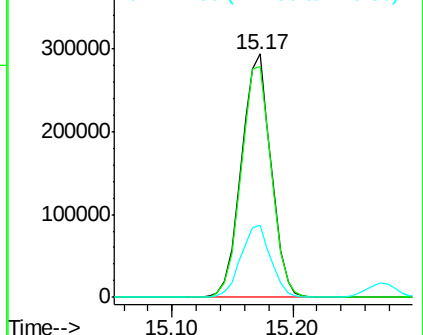
#93
 1,2,4-Trichlorobenzene
 Concen: 155.22 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 500042
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.0 144.2
 145 30.1 14.9 44.9

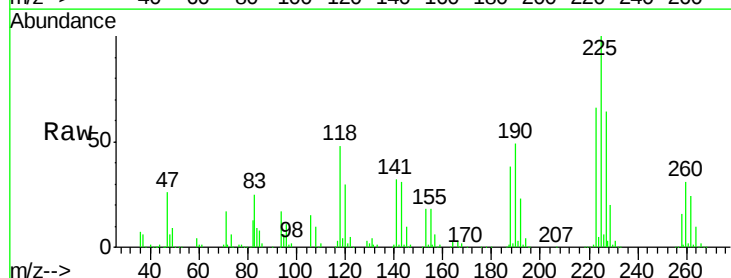


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

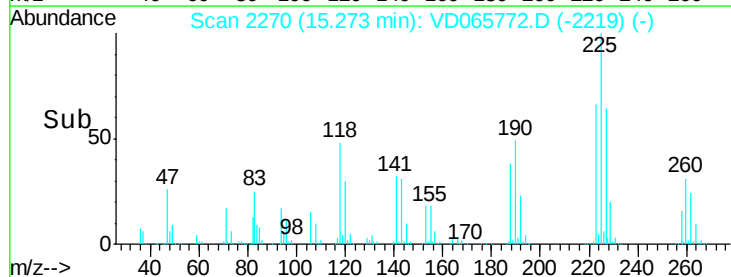
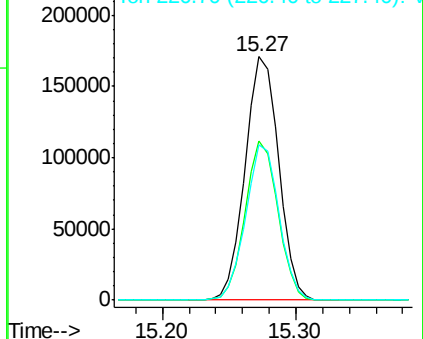


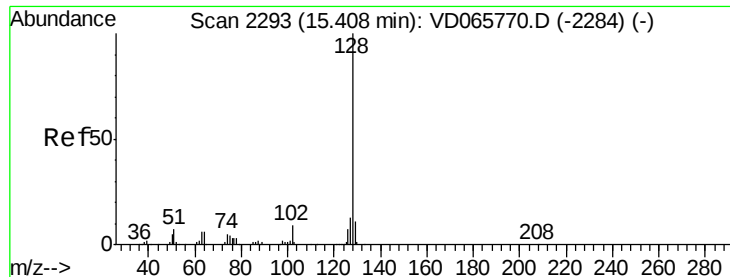
#94
 Hexachlorobutadiene
 Concen: 149.58 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion:225 Resp: 296742
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.9 92.7
 227 63.2 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

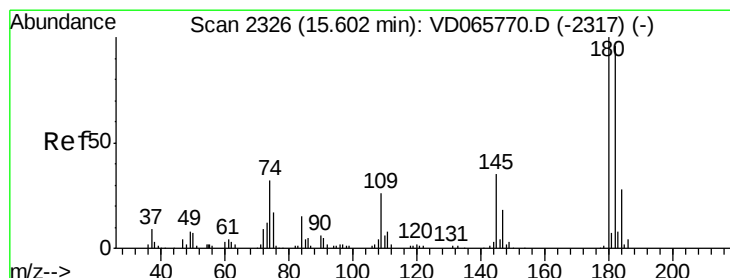
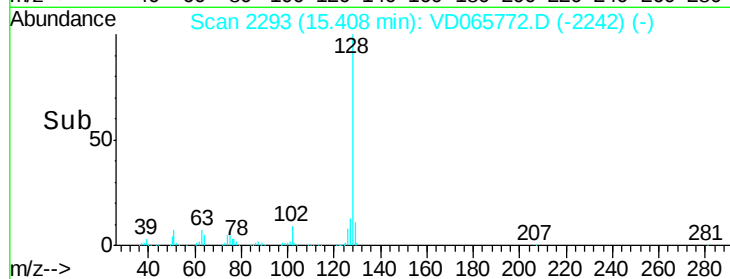
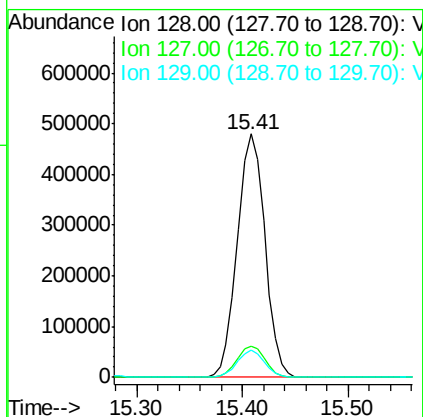
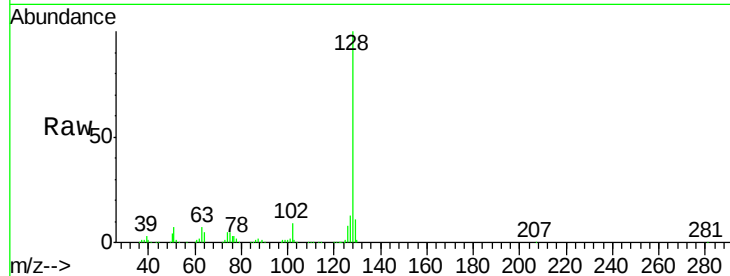




#95
Naphthalene
Concen: 161.52 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 868350
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 156.76 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion:180 Resp: 434158
Ion Ratio Lower Upper
180 100
182 95.8 47.0 141.2
145 31.5 16.2 48.6

