

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060820\
 Data File : VD065778.D
 Acq On : 08 Jun 2020 14:08
 Operator : VA/SY
 Sample : VD0608SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 06:22:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	221976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	350174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	318865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113861	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
35) Dibromofluoromethane	7.91	113	114951	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.34	98	437244	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.64	95	144696	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39407	24.373	ug/l	94
3) Chloromethane	2.21	50	61926	21.652	ug/l	100
4) Vinyl Chloride	2.35	62	71583	21.858	ug/l	97
5) Bromomethane	2.76	94	49190	21.477	ug/l	89
6) Chloroethane	2.93	64	46387	20.948	ug/l	97
7) Trichlorofluoromethane	3.27	101	79675	21.473	ug/l	98
8) Diethyl Ether	3.71	74	19732	20.227	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	46039	20.808	ug/l	99
10) Methyl Iodide	4.30	142	44899	20.840	ug/l	98
11) Tert butyl alcohol	5.22	59	16086	111.064	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	43358	21.501	ug/l	94
13) Acrolein	3.93	56	11395	92.491	ug/l	92
14) Allyl chloride	4.72	41	70446	21.136	ug/l	99
15) Acrylonitrile	5.43	53	42887	96.795	ug/l	96
16) Acetone	4.16	43	41328	99.886	ug/l	95
17) Carbon Disulfide	4.41	76	144459	21.344	ug/l	100
18) Methyl Acetate	4.71	43	19151	18.212	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	92024	20.147	ug/l	100
20) Methylene Chloride	4.97	84	52344	21.265	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	50360	21.324	ug/l	93
22) Diisopropyl ether	6.36	45	138623	20.585	ug/l	91
23) Vinyl Acetate	6.30	43	390579	102.709	ug/l	99
24) 1,1-Dichloroethane	6.27	63	84922	20.697	ug/l	98
25) 2-Butanone	7.22	43	55429	97.004	ug/l	97
26) 2,2-Dichloropropane	7.21	77	75108	20.644	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	52172	20.537	ug/l	98
28) Bromochloromethane	7.55	49	31740	20.028	ug/l	97
29) Tetrahydrofuran	7.56	42	35715	98.894	ug/l	97
30) Chloroform	7.71	83	88440	20.795	ug/l	99
31) Cyclohexane	7.99	56	81617	20.749	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	79190	20.250	ug/l	97
36) 1,1-Dichloropropene	8.11	75	70965	21.156	ug/l	99
37) Ethyl Acetate	7.30	43	26868	20.335	ug/l	98
38) Carbon Tetrachloride	8.10	117	72346	20.493	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	83087	20.921	ug/l	99
40) Benzene	8.35	78	189528	20.667	ug/l	97
41) Methacrylonitrile	7.56	41	37339	47.461	ug/l #	43
42) 1,2-Dichloroethane	8.43	62	55614	20.099	ug/l	99
43) Isopropyl Acetate	8.46	43	51431	19.575	ug/l	99
44) Trichloroethene	9.11	130	53203	20.847	ug/l	98
45) 1,2-Dichloropropane	9.39	63	46545	20.200	ug/l	96
46) Dibromomethane	9.48	93	24404	19.528	ug/l	97
47) Bromodichloromethane	9.66	83	67241	20.079	ug/l #	98
48) Methyl methacrylate	9.46	41	23240	18.274	ug/l	93
49) 1,4-Dioxane	9.47	88	5148	387.028	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	122413	95.083	ug/l	97
52) Toluene	10.40	92	122886	20.623	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	61173	20.173	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	73626	20.558	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	34560	20.697	ug/l	96
56) Ethyl methacrylate	10.66	69	37716	19.204	ug/l	95
57) 1,3-Dichloropropane	10.95	76	57401	19.842	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	91102	99.773	ug/l	98
59) 2-Hexanone	10.98	43	84201	97.009	ug/l	99
60) Dibromochloromethane	11.14	129	43449	19.262	ug/l	99
61) 1,2-Dibromoethane	11.25	107	33457	20.388	ug/l	96
64) Tetrachloroethene	10.88	164	44895	20.822	ug/l	99
65) Chlorobenzene	11.67	112	130113	20.902	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	47221	20.350	ug/l	99
67) Ethyl Benzene	11.75	91	231491	20.817	ug/l	98
68) m/p-Xylenes	11.86	106	177287	41.389	ug/l	98
69) o-Xylene	12.18	106	80379	20.812	ug/l	98
70) Styrene	12.20	104	141999	21.239	ug/l	99
71) Bromoform	12.36	173	24511	19.183	ug/l #	97
73) Isopropylbenzene	12.48	105	224959	21.256	ug/l	98
74) N-amyl acetate	12.29	43	46343	19.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	34911	19.533	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	46054	37.515	ug/l #	100
77) Bromobenzene	12.77	156	51571	20.596	ug/l	97
78) n-propylbenzene	12.83	91	271000	21.273	ug/l	99
79) 2-Chlorotoluene	12.91	91	149223	21.353	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	185957	21.115	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	10770	18.956	ug/l	96
82) 4-Chlorotoluene	13.01	91	158818	21.172	ug/l	99
83) tert-Butylbenzene	13.23	119	163277	21.367	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	186198	21.123	ug/l	98
85) sec-Butylbenzene	13.41	105	227509	21.393	ug/l	99
86) p-Isopropyltoluene	13.52	119	207842	21.323	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	102349	20.730	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	101648	20.697	ug/l	97
89) n-Butylbenzene	13.85	91	199357	21.445	ug/l	99
90) Hexachloroethane	14.12	117	40153	20.580	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	88259	20.772	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5499	18.487	ug/l	98

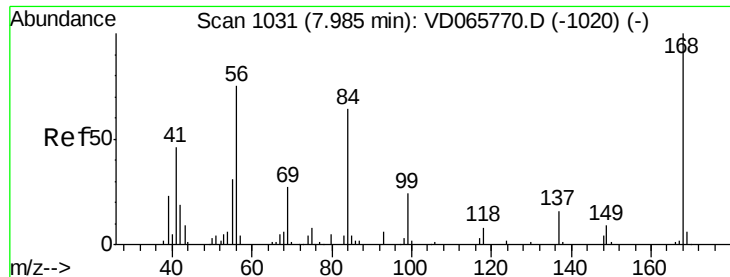
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060820\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58816	20.358	ug/l	99
94) Hexachlorobutadiene	15.27	225	33683	19.286	ug/l	97
95) Naphthalene	15.41	128	97646	19.953	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	50785	20.410	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

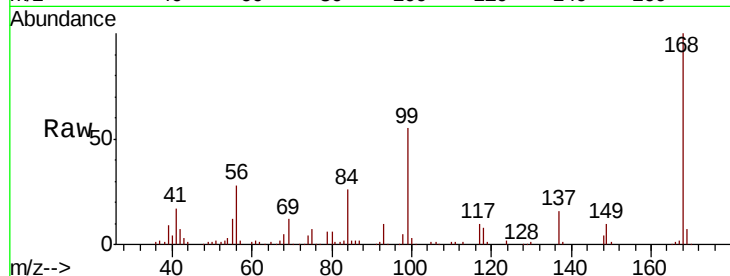
ClientSampleId :

Tot Ion:168 Resp: 221976

Ion Ratio Lower Upper

168 100

99 54.6 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

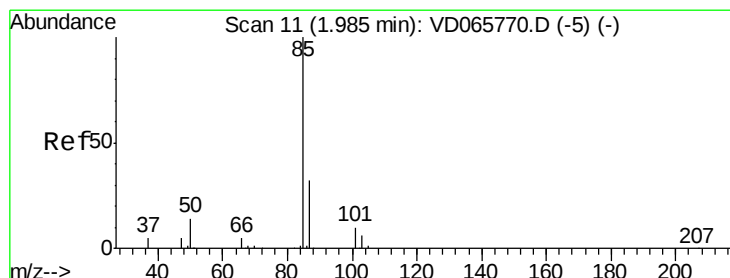
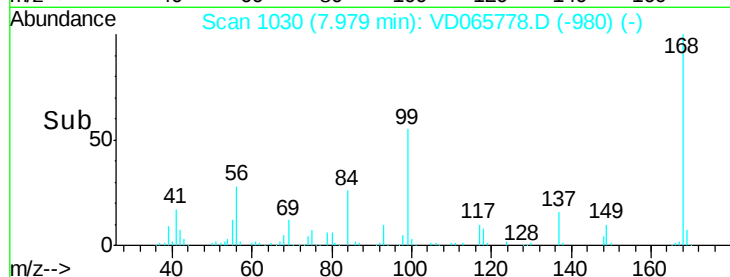
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.373 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065778.D

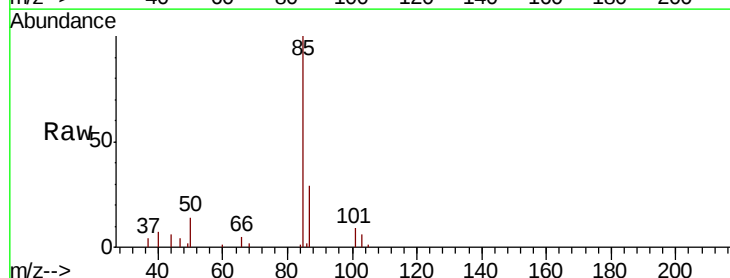
Acq: 08 Jun 2020 14:08

Tgt Ion: 85 Resp: 39407

Ion Ratio Lower Upper

85 100

87 29.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

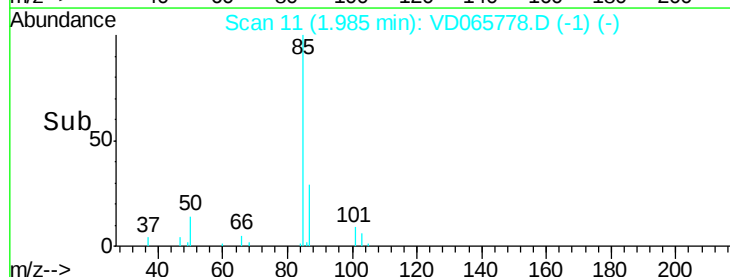
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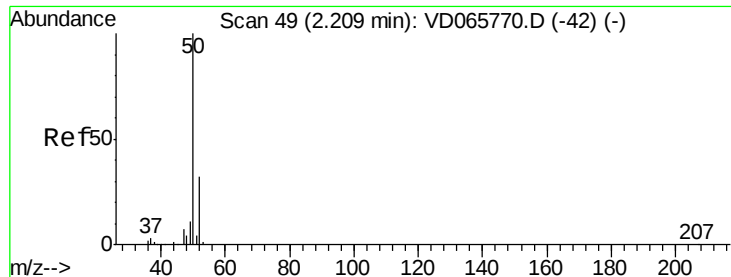
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.652 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

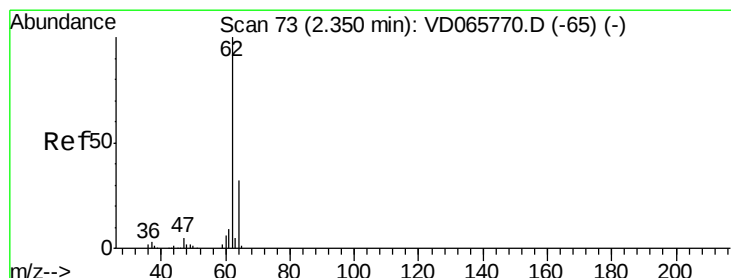
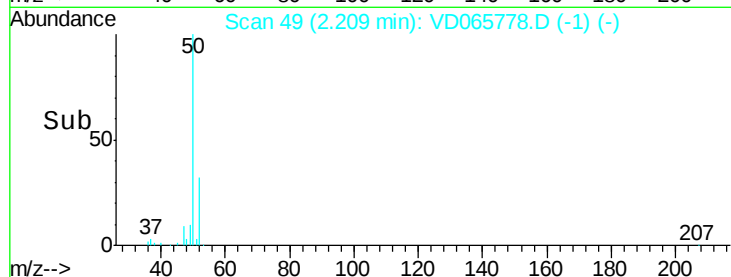
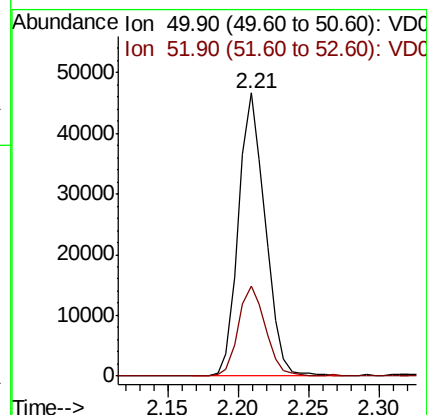
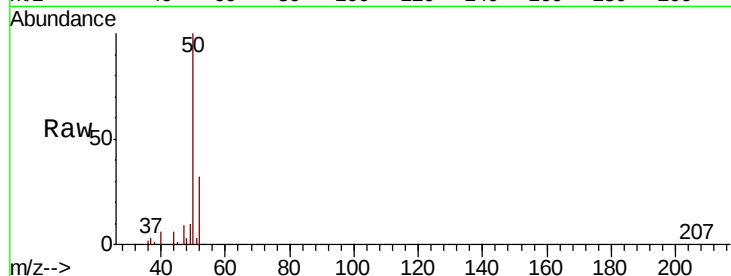
ClientSampleId :

Tot Ion: 50 Resp: 61926

Ion Ratio Lower Upper

50 100

52 31.8 25.6 38.4



#4

Vinyl Chloride

Concen: 21.858 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065778.D

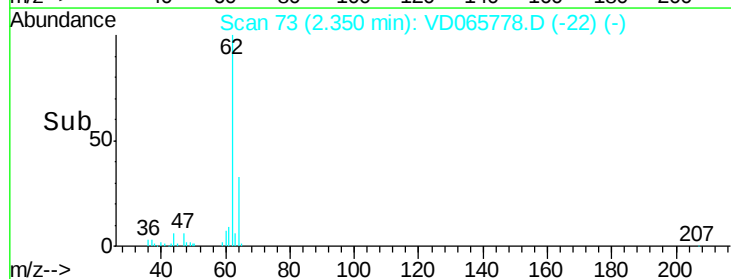
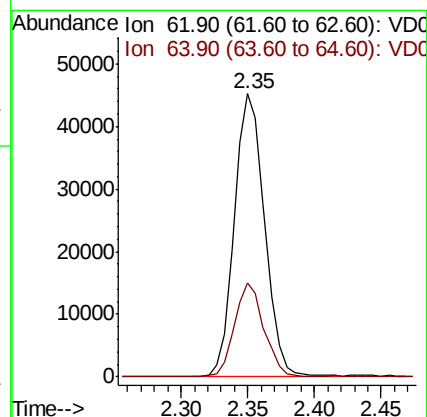
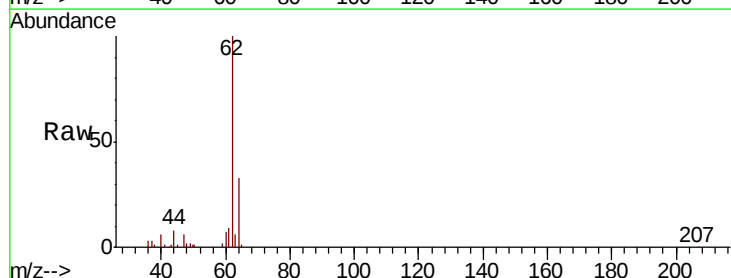
Acq: 08 Jun 2020 14:08

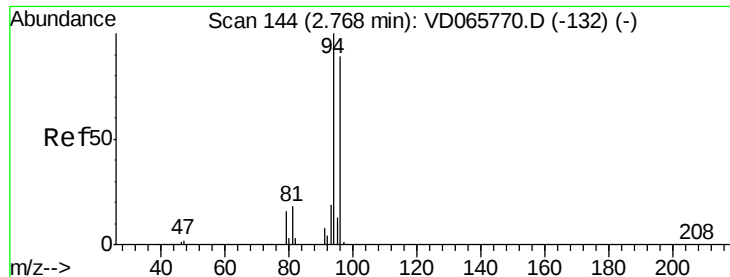
Tgt Ion: 62 Resp: 71583

Ion Ratio Lower Upper

62 100

64 33.2 25.3 37.9





#5

Bromomethane

Concen: 21.477 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

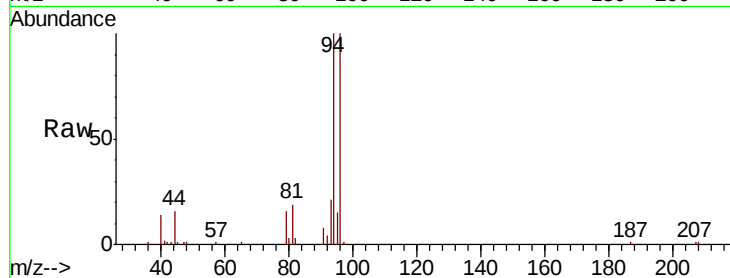
ClientSampleId :

Tot Ion: 94 Resp: 49190

Ion Ratio Lower Upper

94 100

96 99.6 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

20000

15000

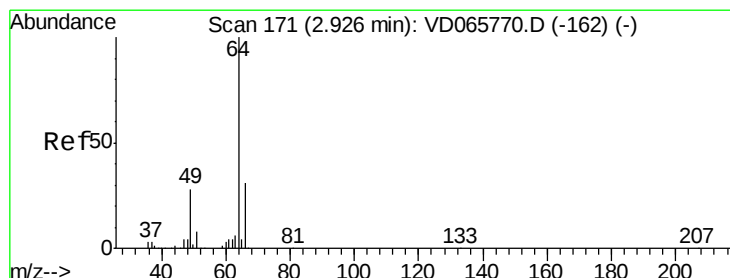
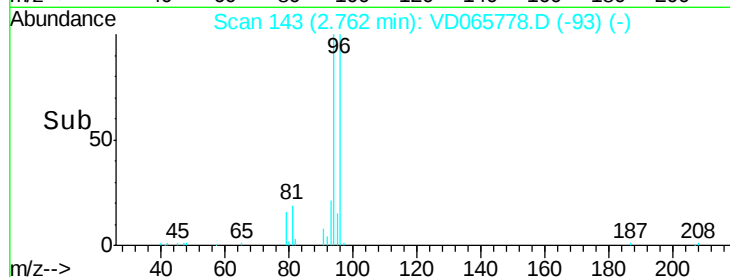
10000

5000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 20.948 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065778.D

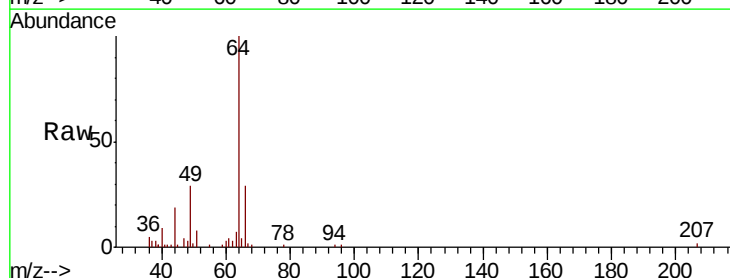
Acq: 08 Jun 2020 14:08

Tgt Ion: 64 Resp: 46387

Ion Ratio Lower Upper

64 100

66 28.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

20000

15000

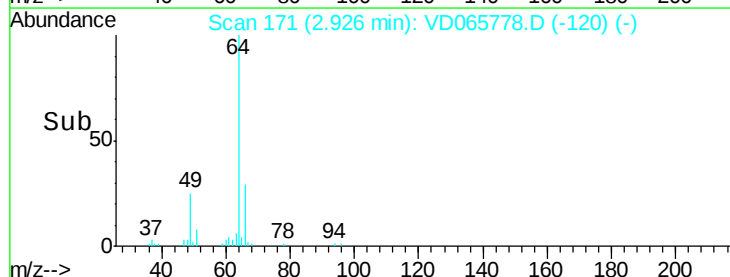
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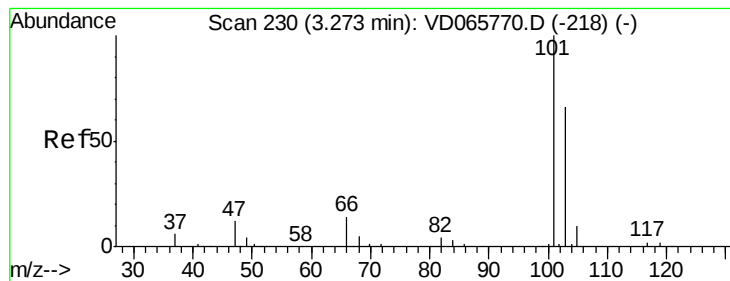
5000

0

Time-->

2.85 2.90 2.95 3.00



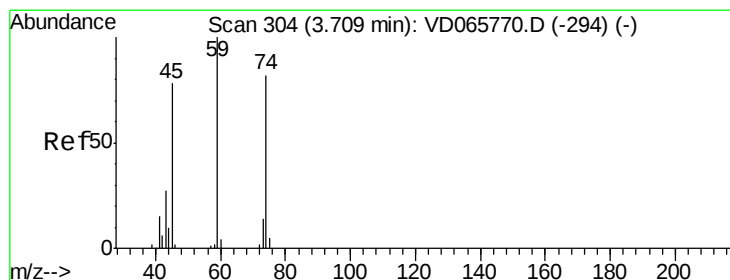
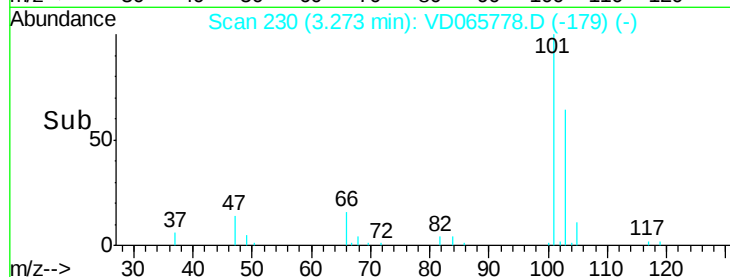
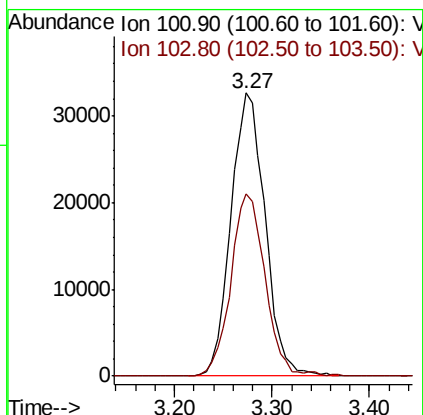
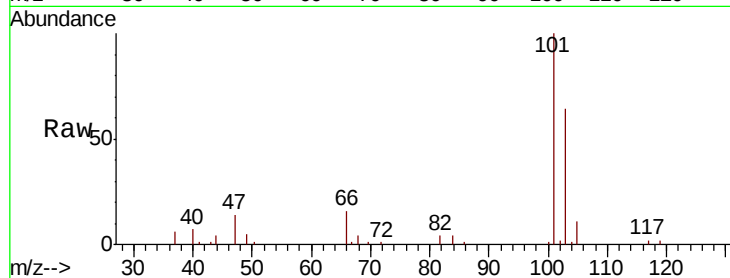


#7

Trichlorofluoromethane
 Concen: 21.473 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :

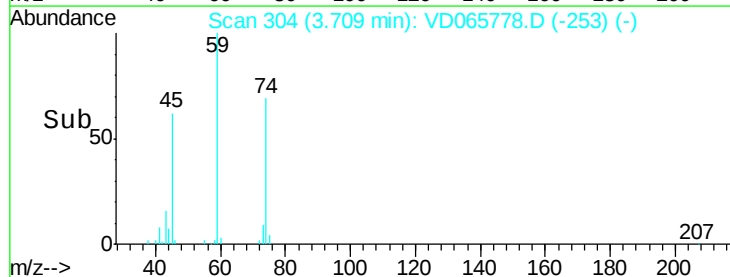
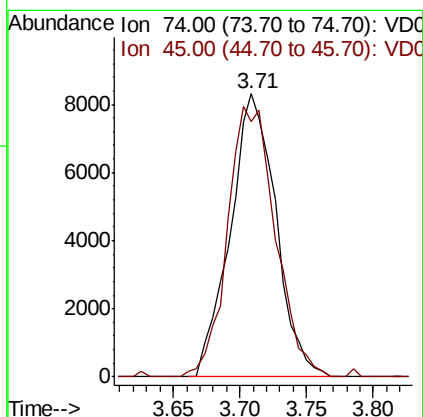
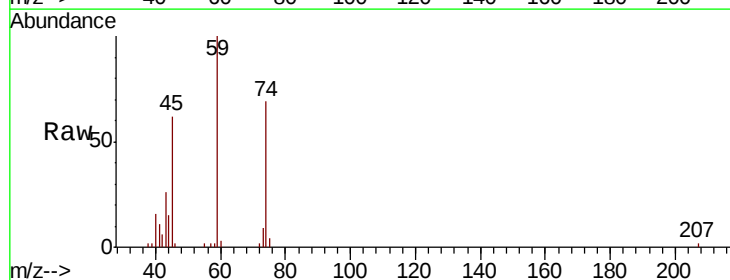
Tot Ion:101 Resp: 79675
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.1 79.7

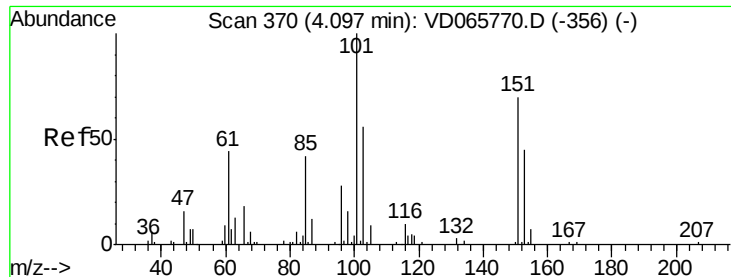


#8

Diethyl Ether
 Concen: 20.227 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion: 74 Resp: 19732
 Ion Ratio Lower Upper
 74 100
 45 100.5 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.808 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

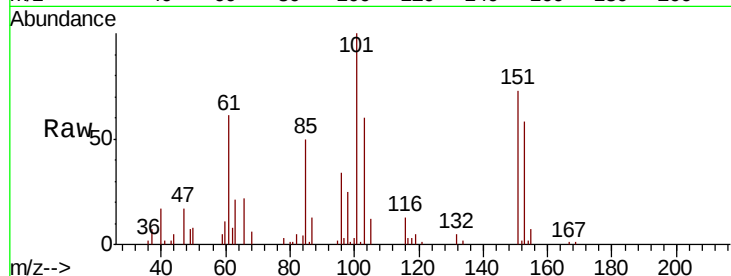
Tot Ion:101 Resp: 46039

Ion Ratio Lower Upper

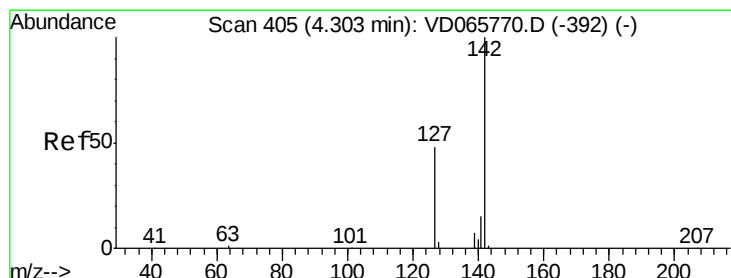
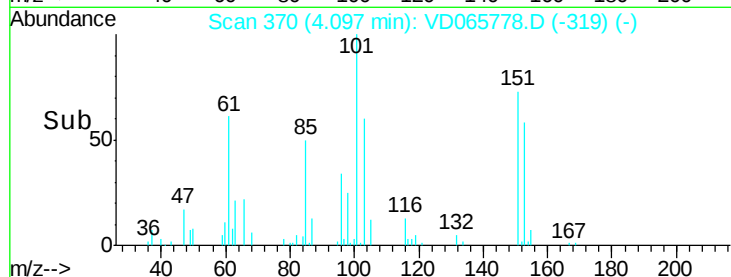
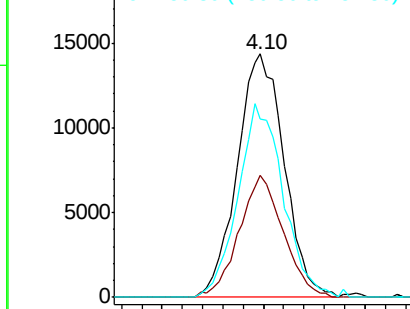
101 100

85 47.3 36.5 54.7

151 76.6 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VD
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.840 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

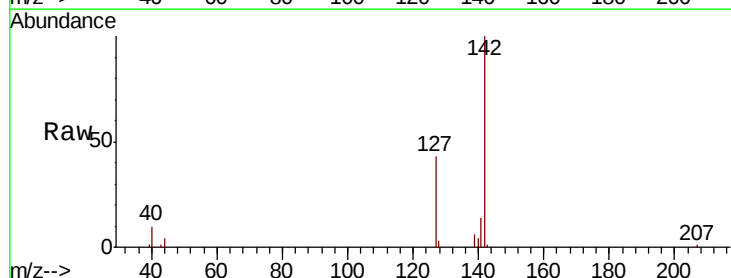
Tgt Ion:142 Resp: 44899

Ion Ratio Lower Upper

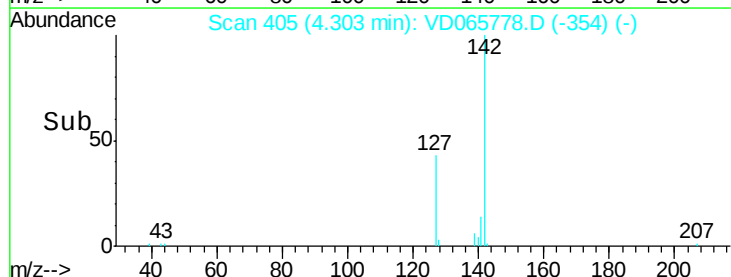
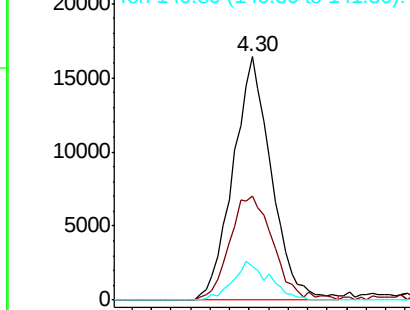
142 100

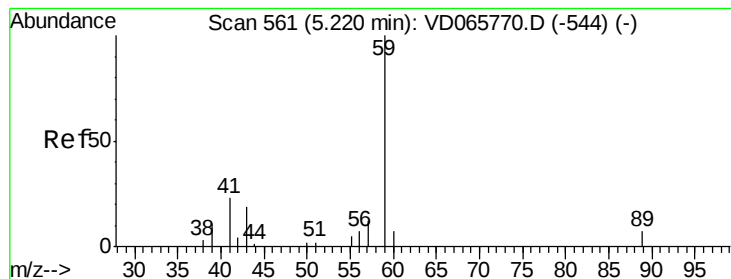
127 48.3 37.6 56.4

141 15.1 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: 111.064 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

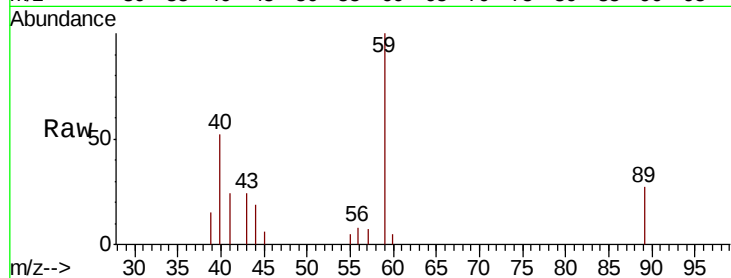
ClientSampleId :

Tot Ion: 59 Resp: 16086

Ion Ratio Lower Upper

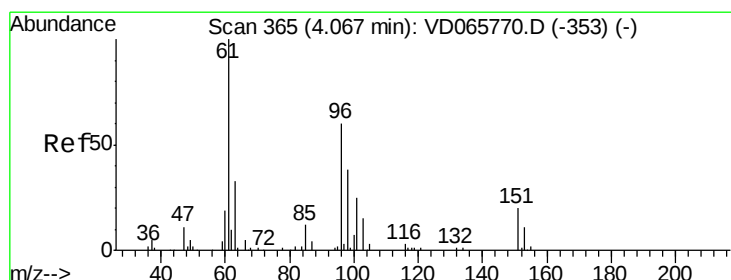
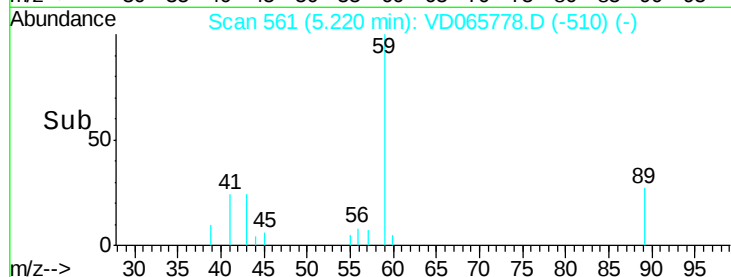
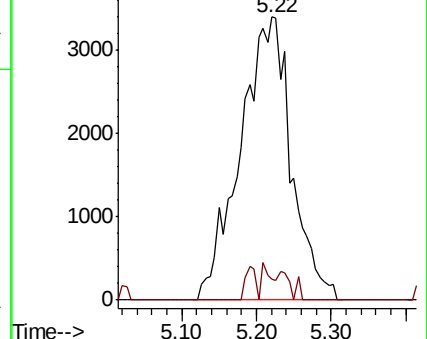
59 100

57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.501 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

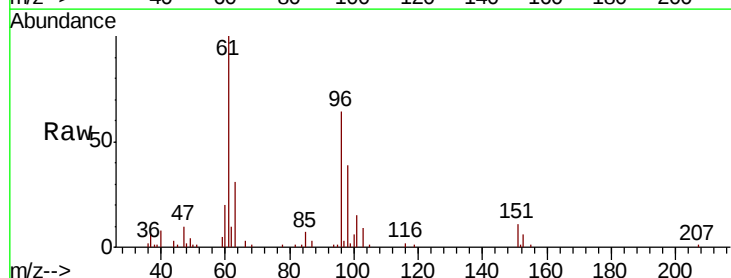
Tgt Ion: 96 Resp: 43358

Ion Ratio Lower Upper

96 100

61 155.7 132.3 198.5

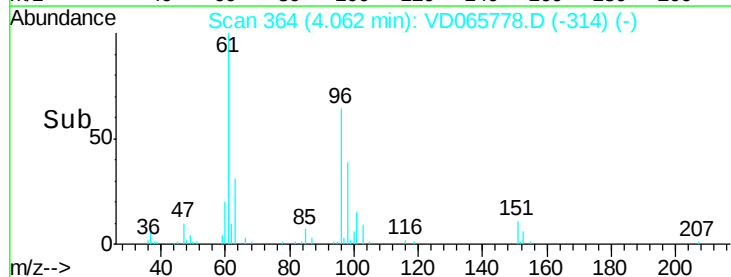
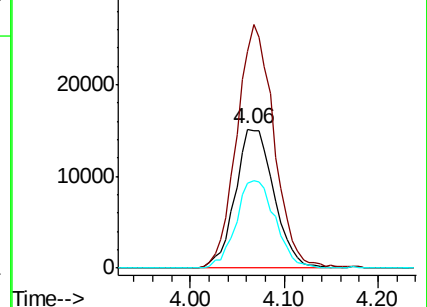
98 61.0 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 92.491 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

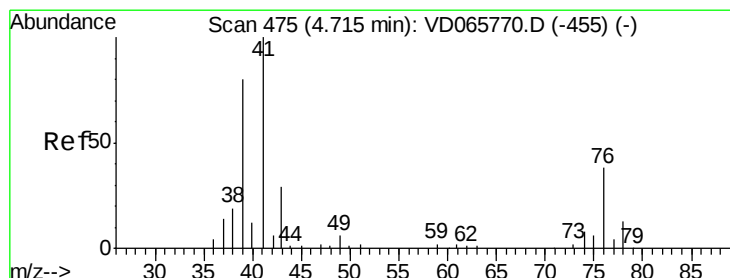
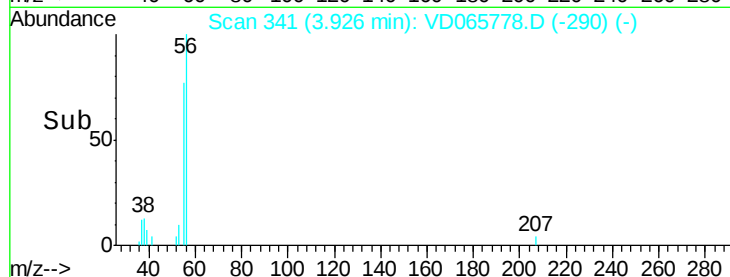
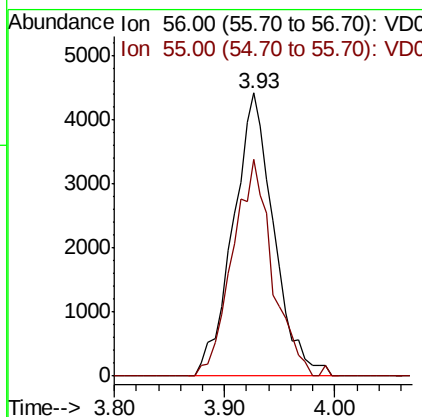
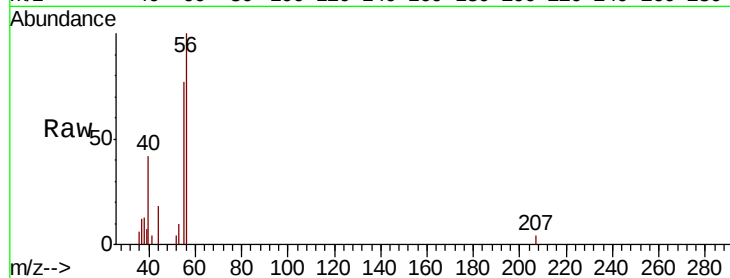
ClientSampleId :

Tot Ion: 56 Resp: 11395

Ion Ratio Lower Upper

56 100

55 75.1 54.8 82.2



#14

Allyl chloride

Concen: 21.136 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

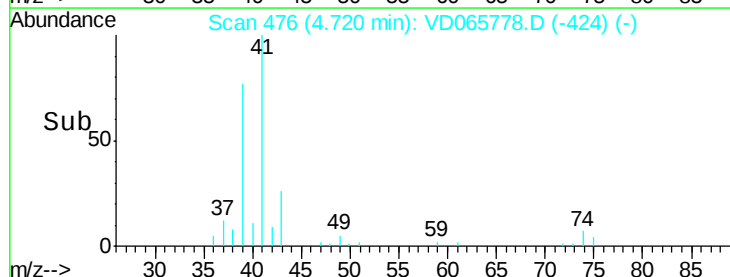
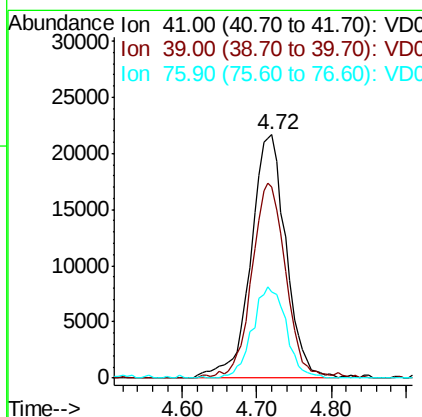
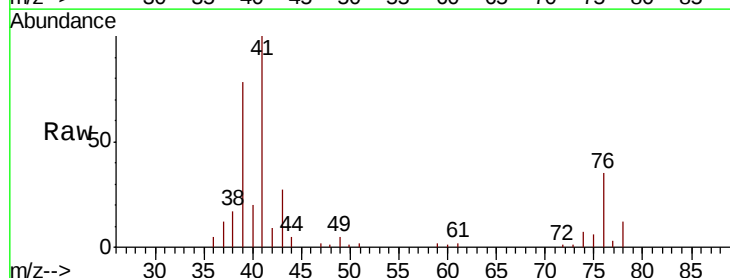
Tgt Ion: 41 Resp: 70446

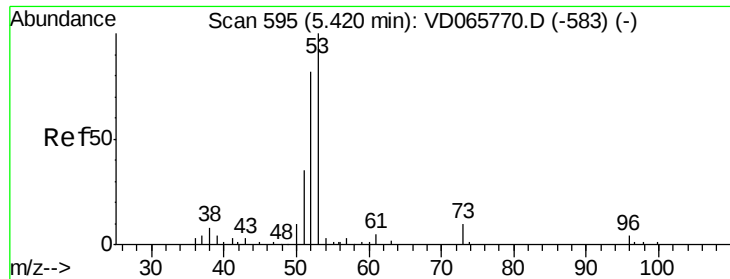
Ion Ratio Lower Upper

41 100

39 77.5 60.9 91.3

76 36.1 28.9 43.3





#15

Acrylonitrile

Concen: 96.795 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

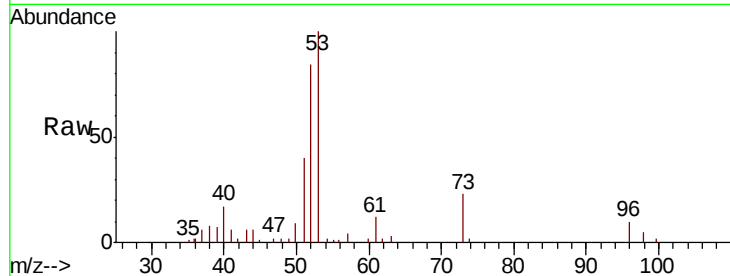
Tot Ion: 53 Resp: 42887

Ion Ratio Lower Upper

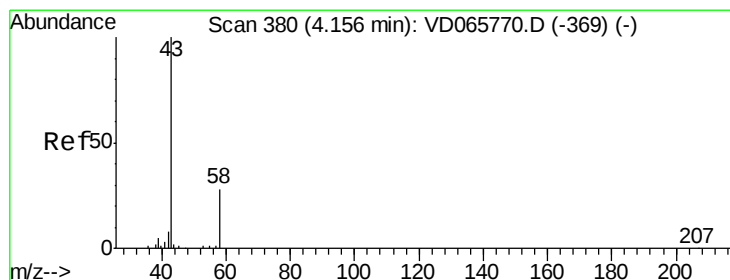
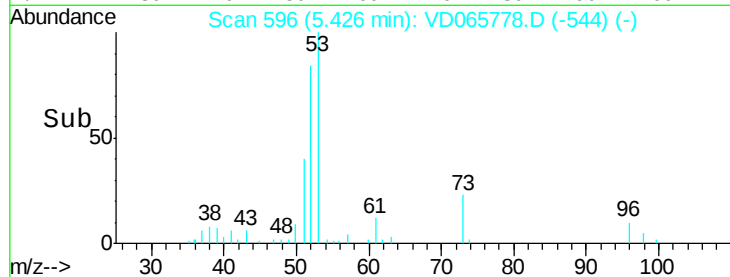
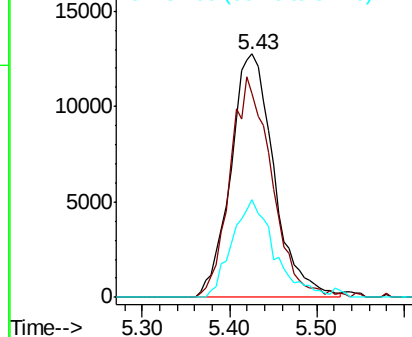
53 100

52 87.6 66.2 99.2

51 39.5 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: 99.886 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065778.D

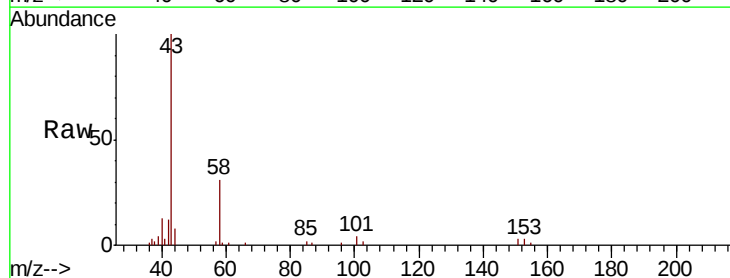
Acq: 08 Jun 2020 14:08

Tgt Ion: 43 Resp: 41328

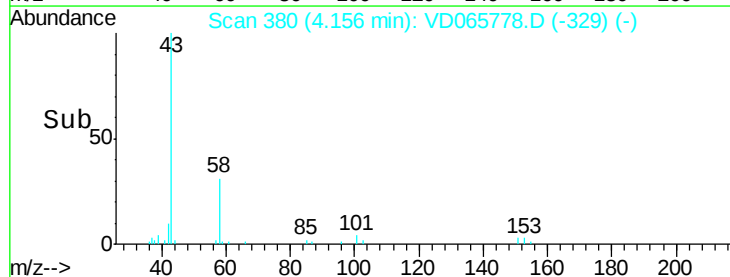
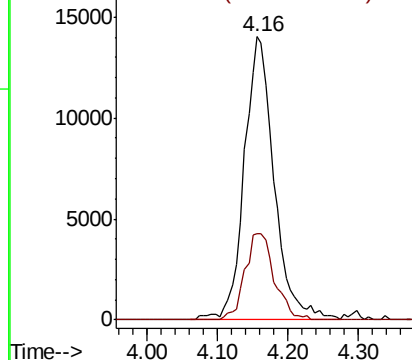
Ion Ratio Lower Upper

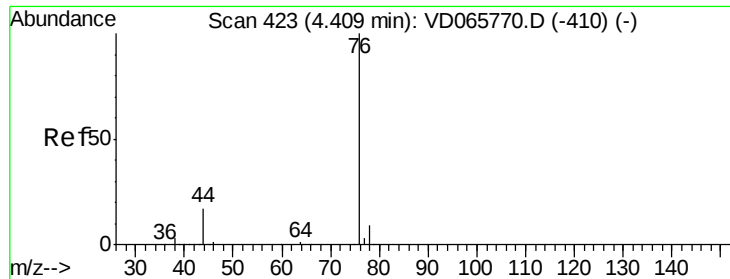
43 100

58 30.6 22.3 33.5



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

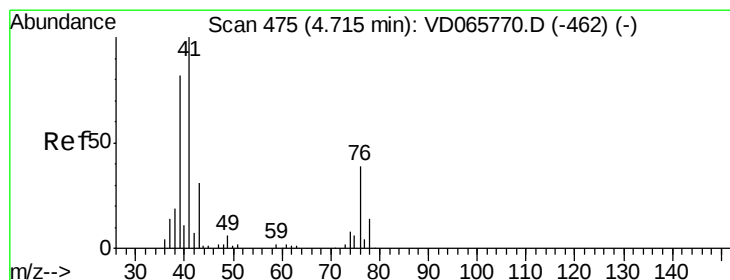
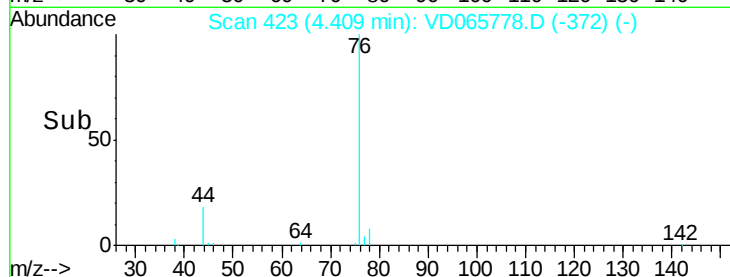
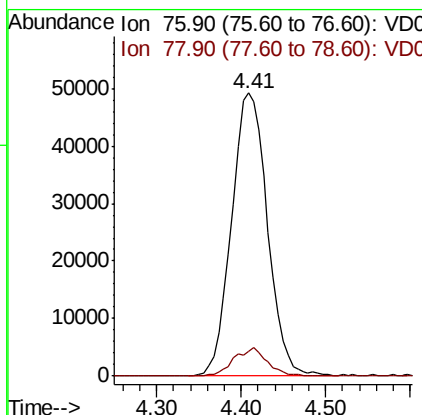
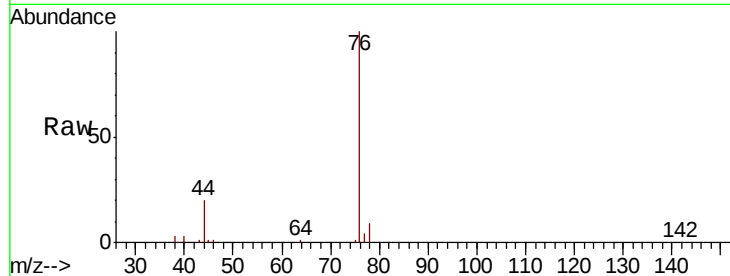




#17
Carbon Disulfide
Concen: 21.344 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

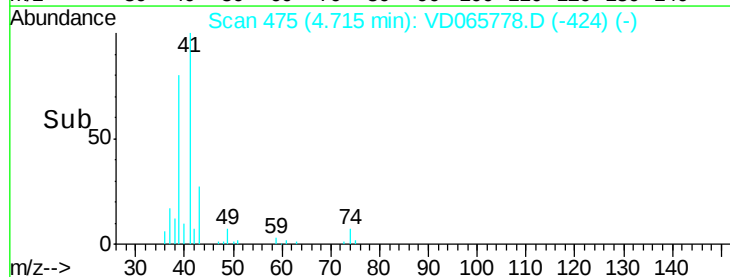
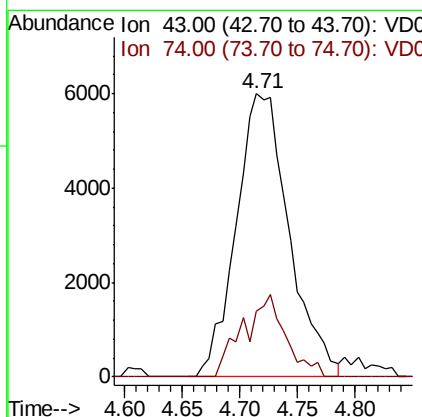
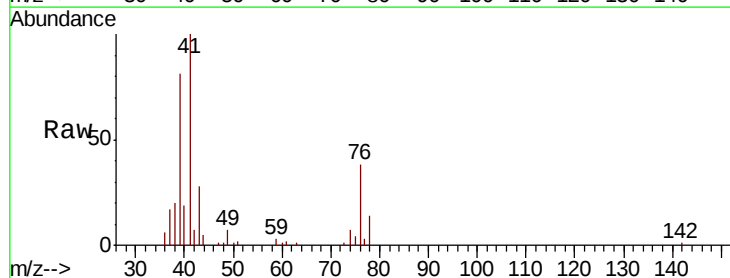
Instrument :
MSVOA_D
ClientSampleId :

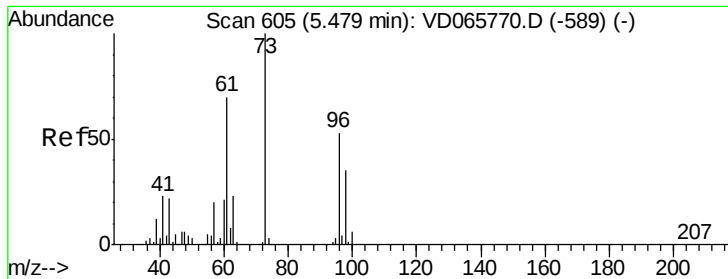
Tot Ion: 76 Resp: 144459
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 18.212 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 43 Resp: 19151
Ion Ratio Lower Upper
43 100
74 23.5 18.7 28.1

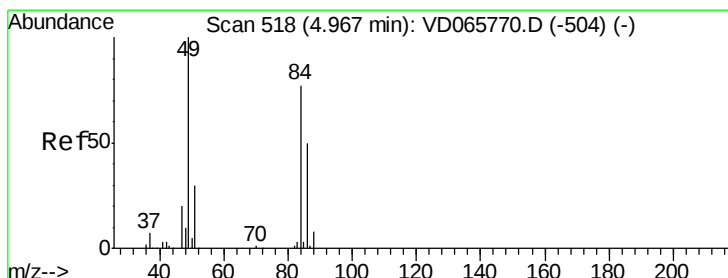
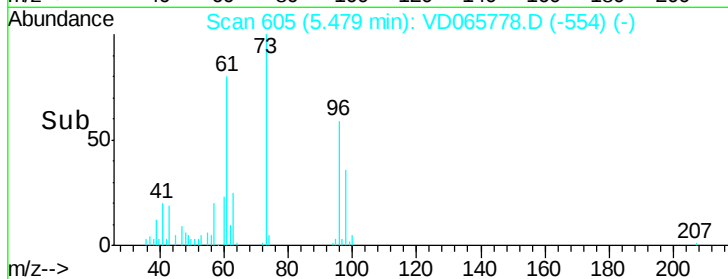
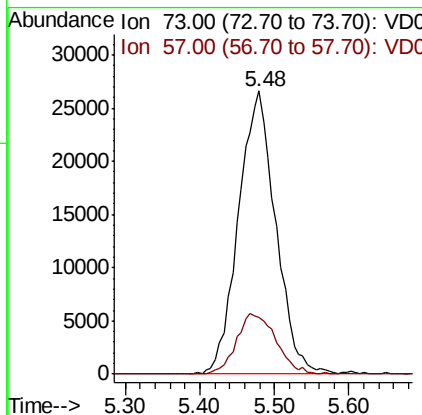
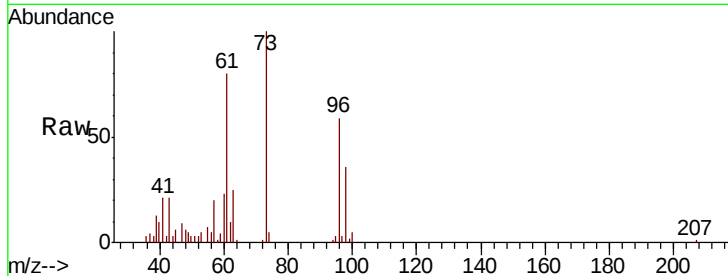




#19
Methyl tert-butyl Ether
Concen: 20.147 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

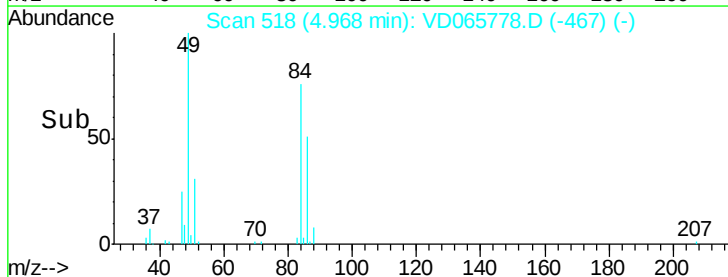
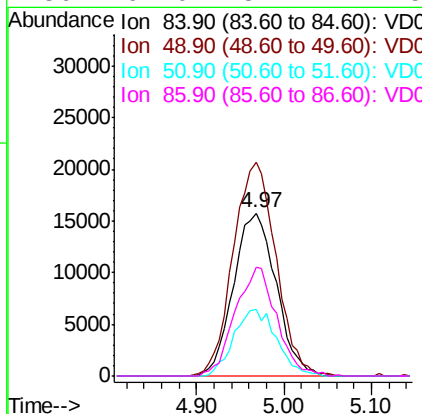
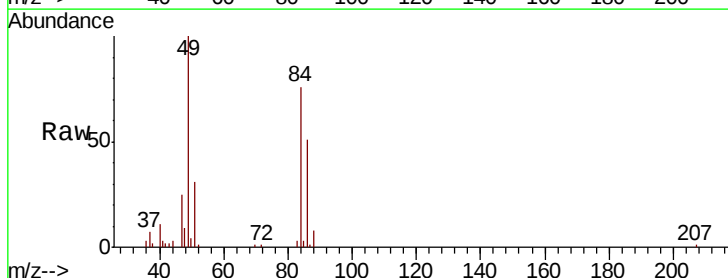
Instrument :
MSVOA_D
ClientSampleId :

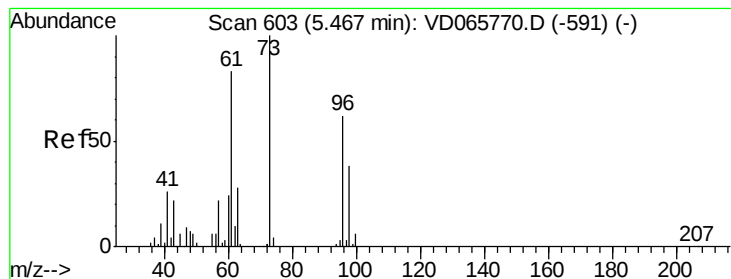
Tot Ion: 73 Resp: 92024
Ion Ratio Lower Upper
73 100
57 20.2 16.2 24.2



#20
Methylene Chloride
Concen: 21.265 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 84 Resp: 52344
Ion Ratio Lower Upper
84 100
49 131.0 103.4 155.0
51 40.9 31.4 47.2
86 67.0 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 21.324 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampled :

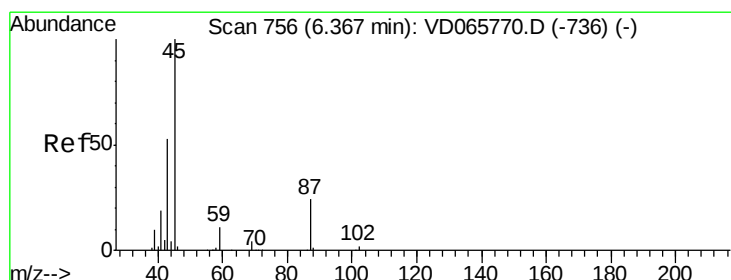
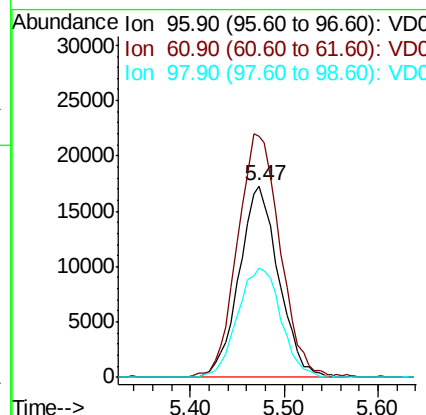
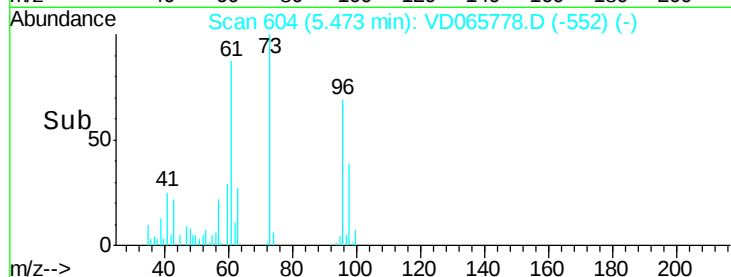
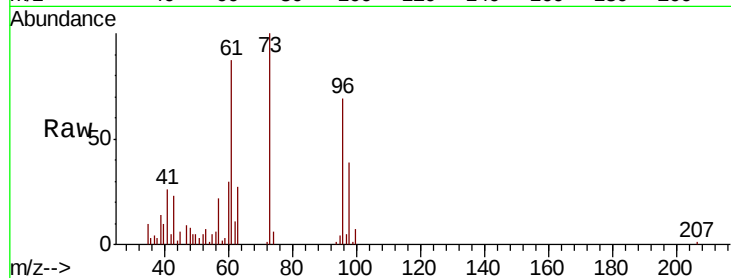
Tot Ion: 96 Resp: 50360

Ion Ratio Lower Upper

96 100

61 125.2 107.7 161.5

98 57.3 49.3 73.9



#22

Diisopropyl ether

Concen: 20.585 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Tgt Ion: 45 Resp: 138623

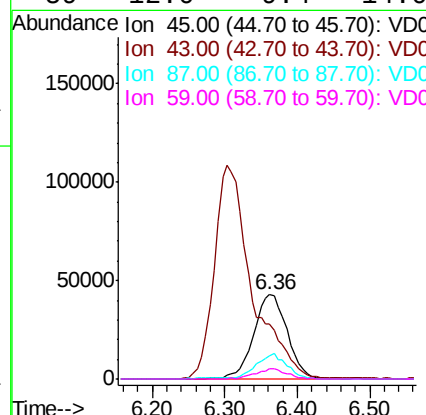
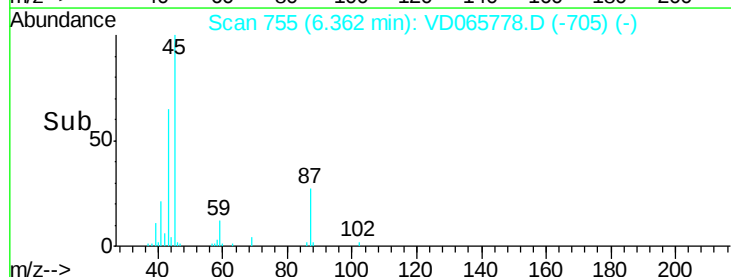
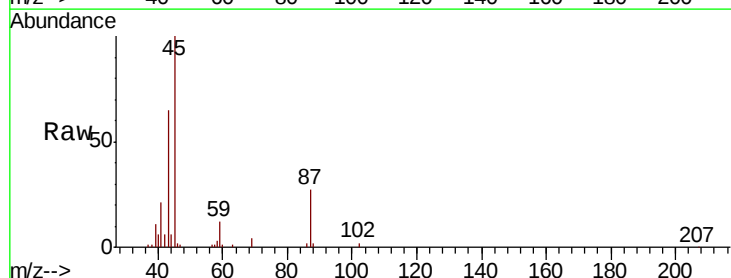
Ion Ratio Lower Upper

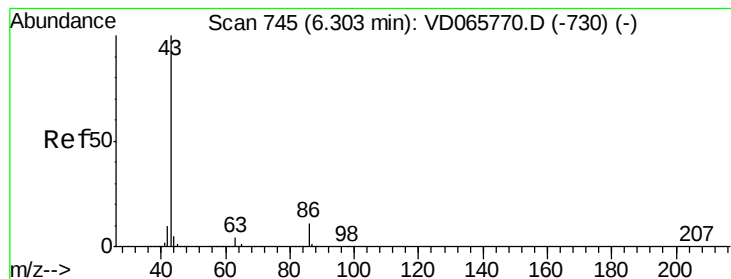
45 100

43 64.4 43.4 65.0

87 26.6 20.2 30.4

59 12.0 9.4 14.0





#23

Vinyl Acetate

Concen: 102.709 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

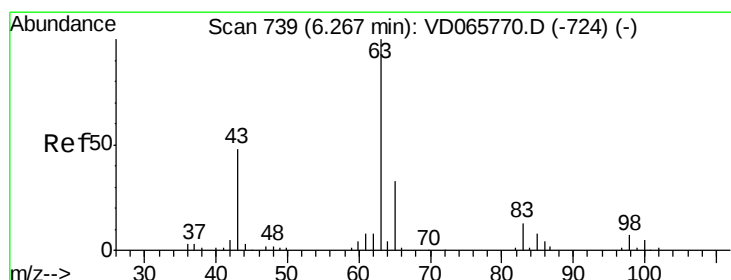
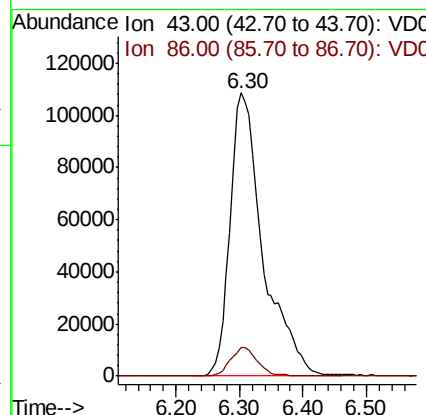
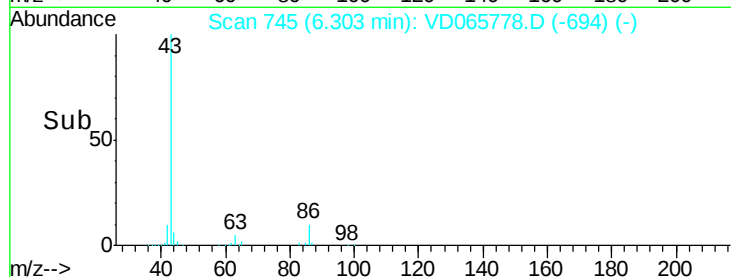
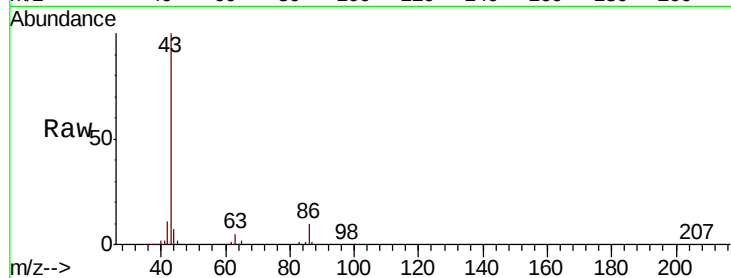
ClientSampled :

Tot Ion: 43 Resp: 390579

Ion Ratio Lower Upper

43 100

86 10.3 8.5 12.7



#24

1,1-Dichloroethane

Concen: 20.697 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

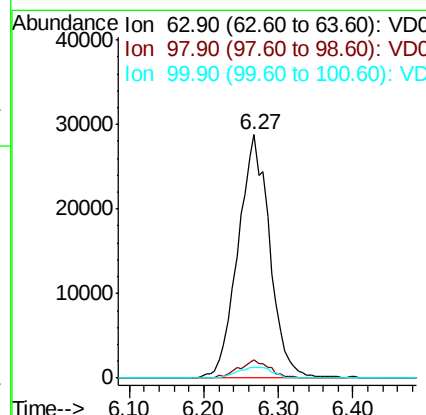
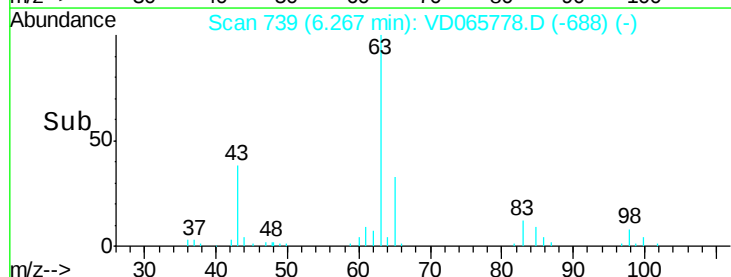
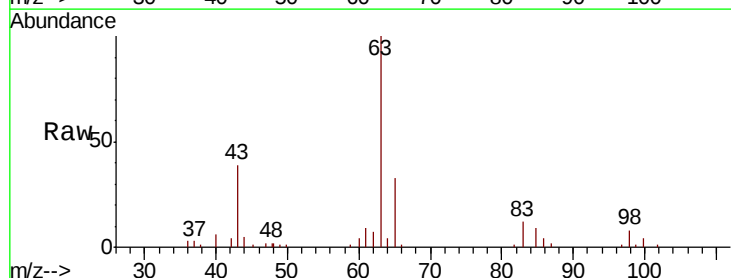
Tgt Ion: 63 Resp: 84922

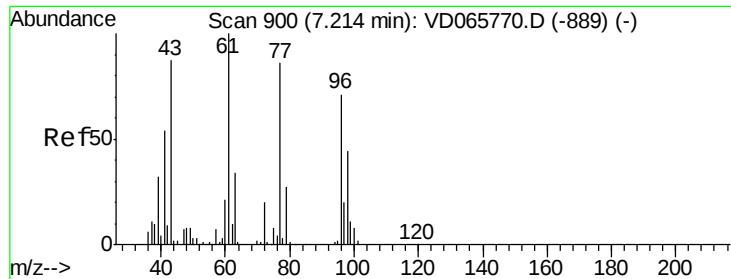
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 4.2 2.3 6.9





#25

2-Butanone

Concen: 97.004 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

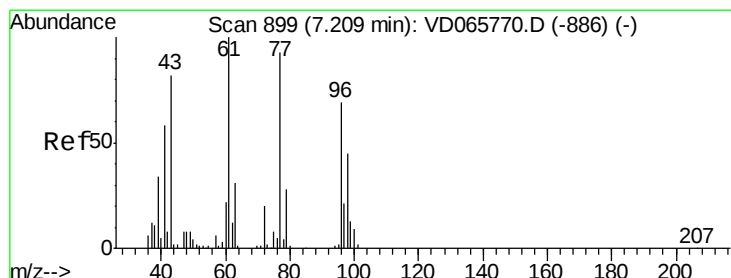
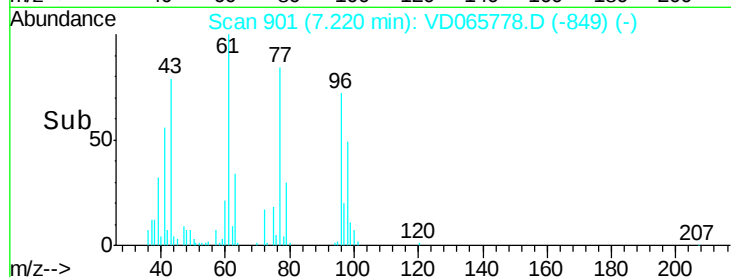
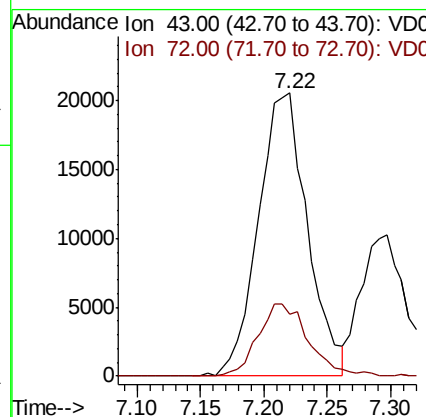
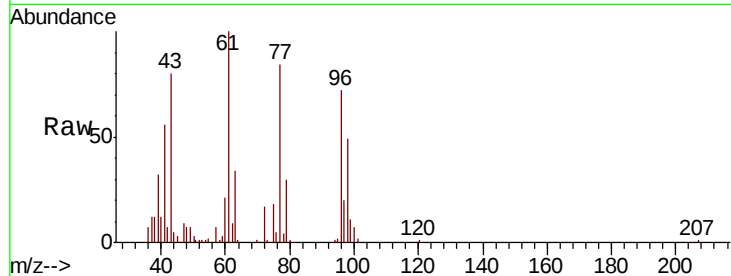
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 55429

Ion Ratio Lower Upper

43 100

72 21.8 18.5 27.7



#26

2,2-Dichloropropane

Concen: 20.644 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065778.D

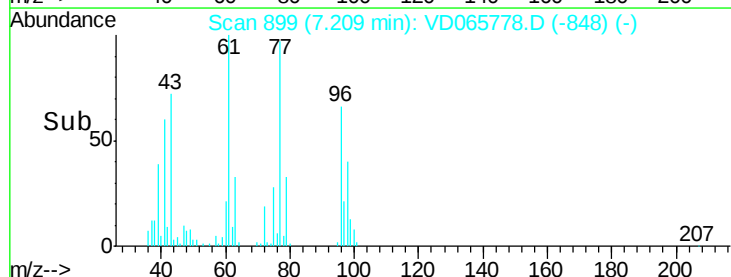
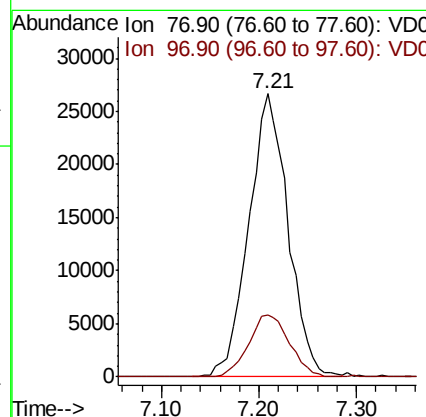
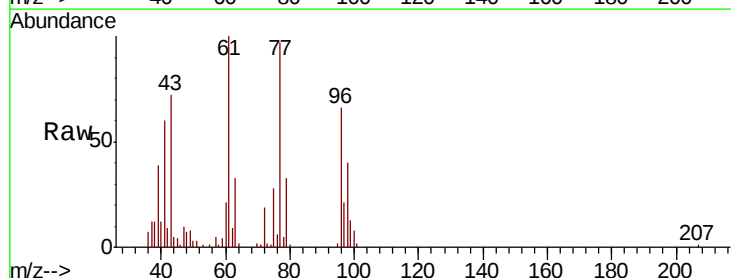
Acq: 08 Jun 2020 14:08

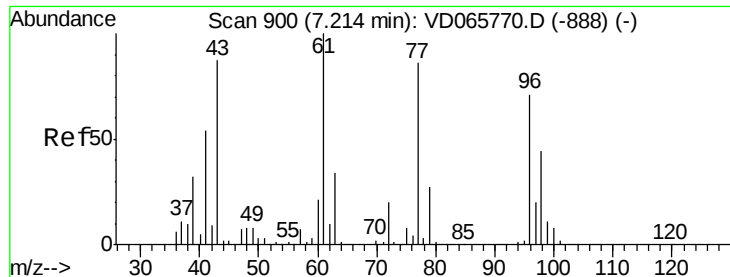
Tgt Ion: 77 Resp: 75108

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.7



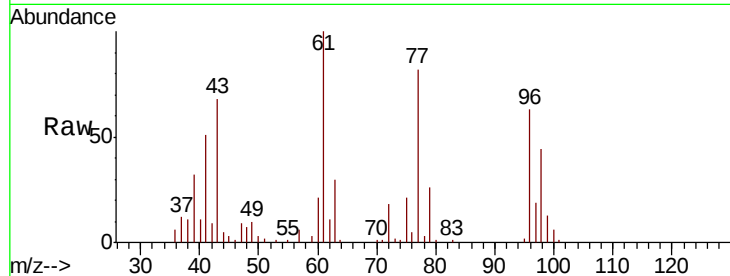


#27

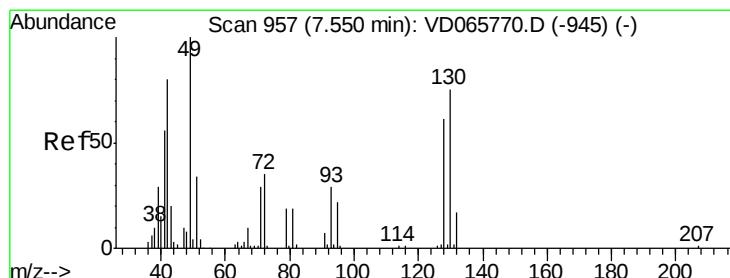
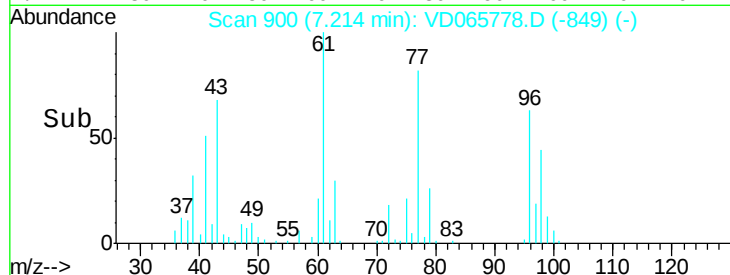
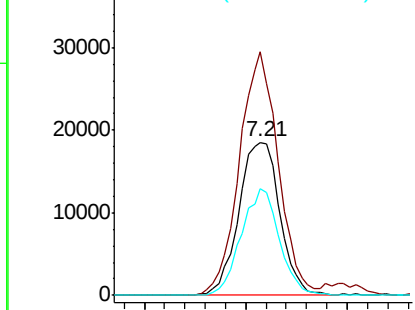
cis-1,2-Dichloroethene
Concen: 20.537 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 52172
Ion Ratio Lower Upper
96 100
61 149.7 0.0 291.2
98 64.6 0.0 128.8



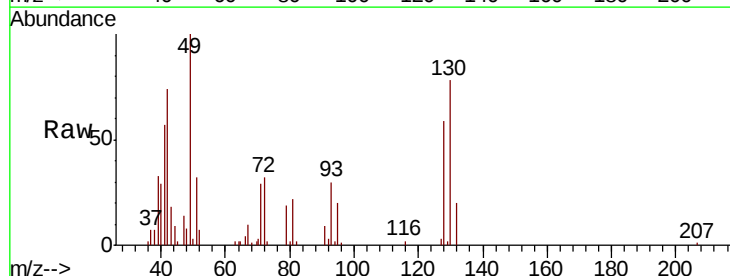
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



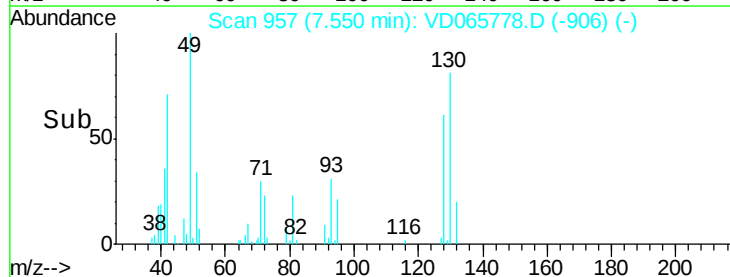
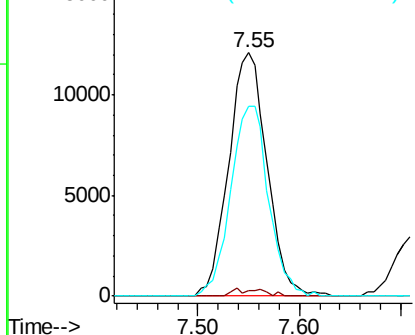
#28

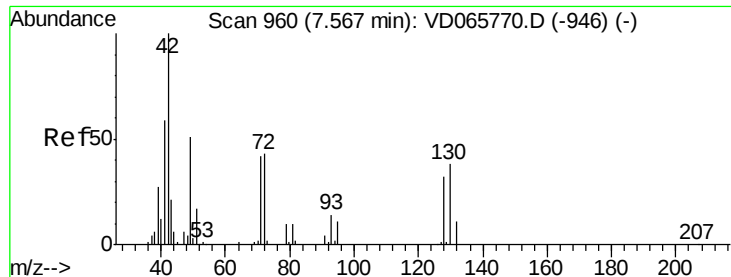
Bromochloromethane
Concen: 20.028 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 49 Resp: 31740
Ion Ratio Lower Upper
49 100
129 1.2 0.0 4.6
130 77.1 59.5 89.3



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

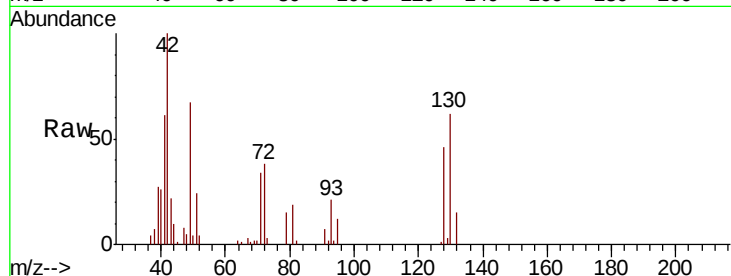




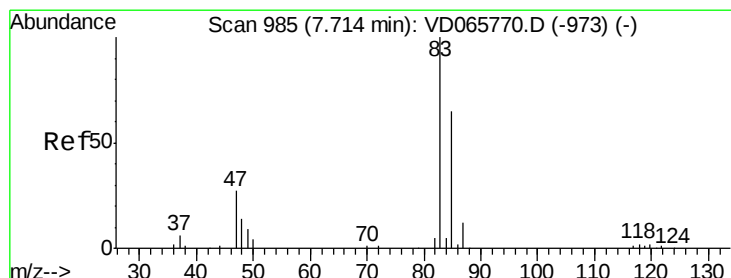
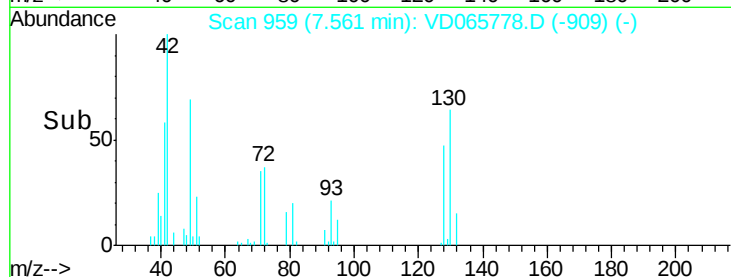
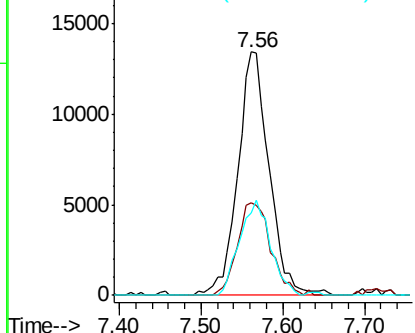
#29
Tetrahydrofuran
Concen: 98.894 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 35715
Ion Ratio Lower Upper
42 100
72 40.6 34.9 52.3
71 38.6 31.2 46.8

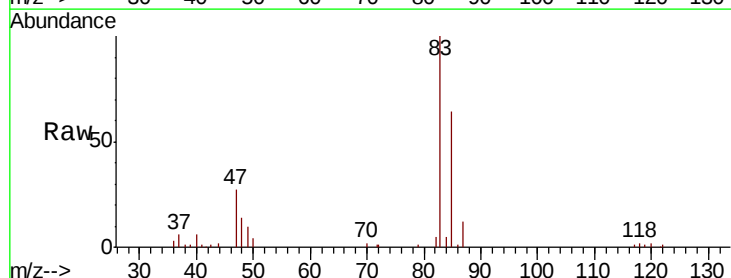


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

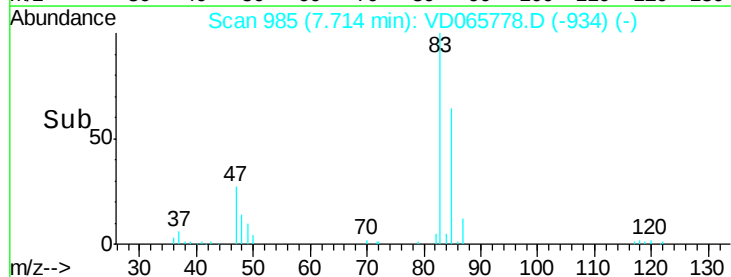
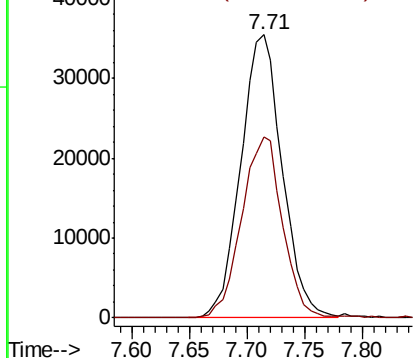


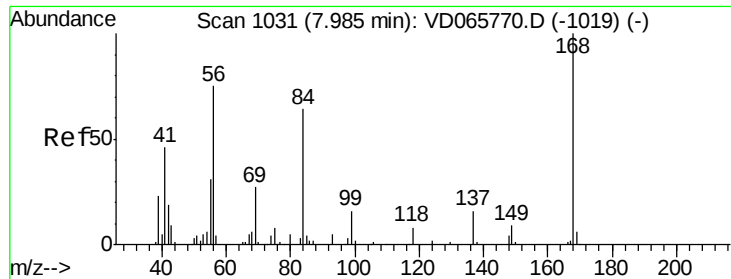
#30
Chloroform
Concen: 20.795 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 83 Resp: 88440
Ion Ratio Lower Upper
83 100
85 63.9 51.9 77.9



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

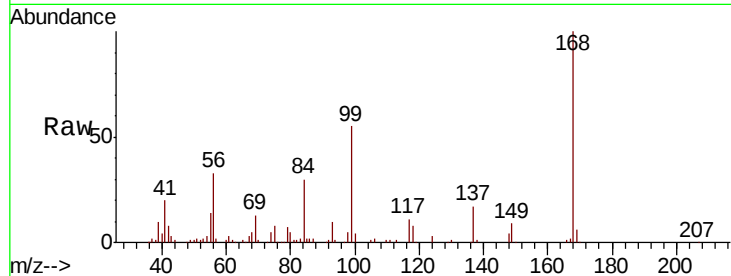




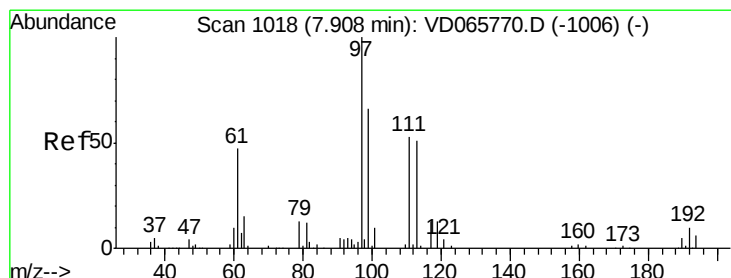
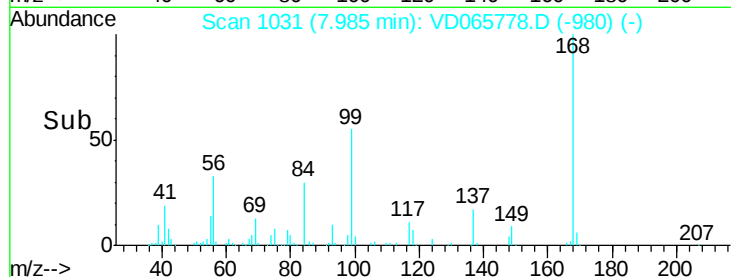
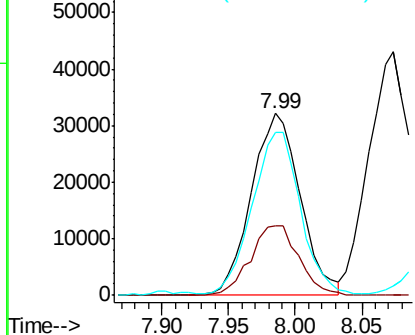
#31
Cyclohexane
Concen: 20.749 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 81617
Ion Ratio Lower Upper
56 100
69 38.4 28.5 42.7
84 88.0 68.4 102.6

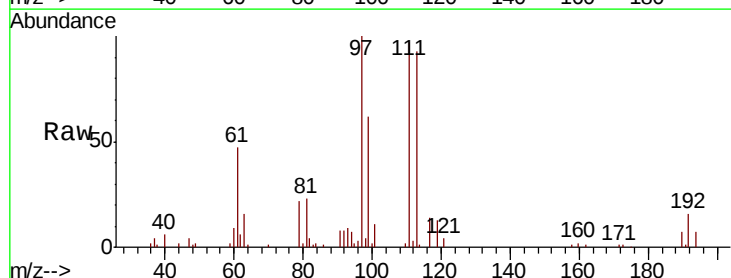


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

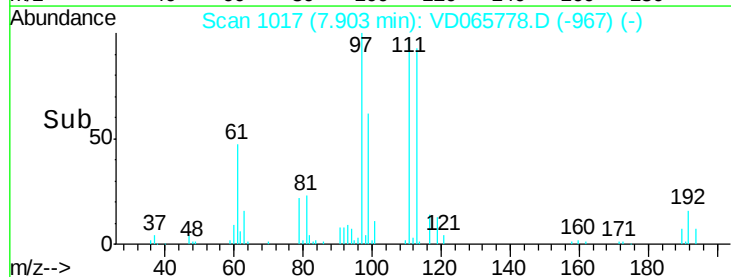
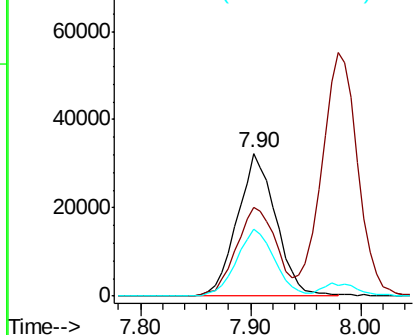


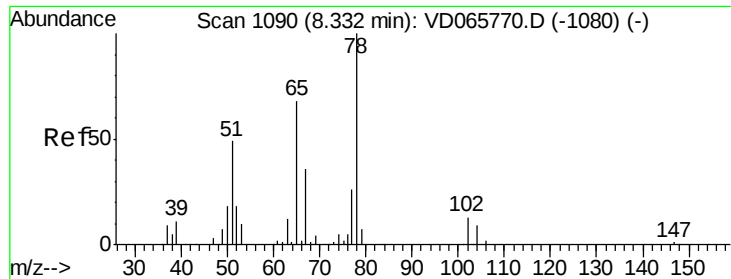
#32
1,1,1-Trichloroethane
Concen: 20.250 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 97 Resp: 79190
Ion Ratio Lower Upper
97 100
99 64.5 49.2 73.8
61 46.2 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

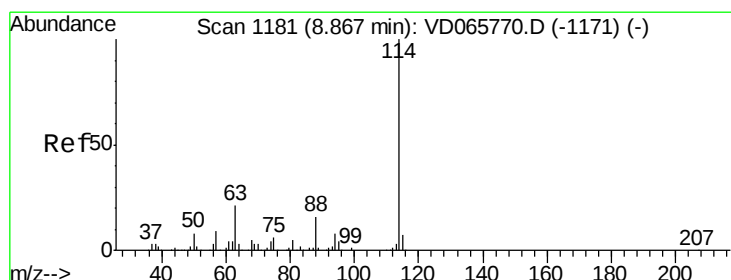
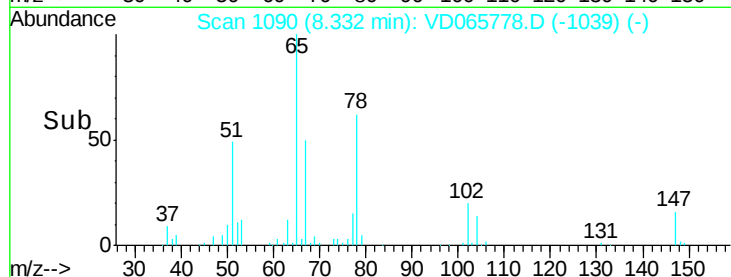
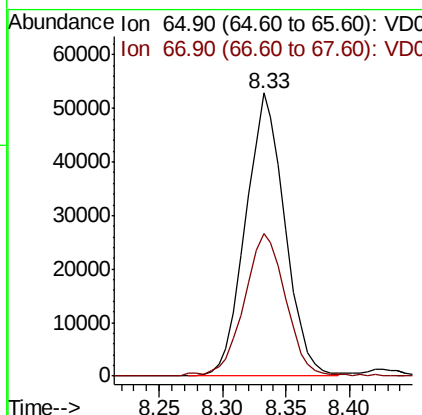
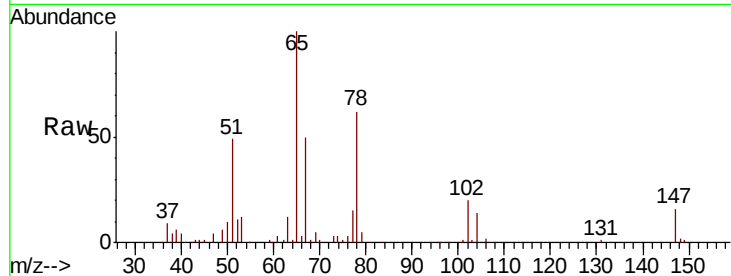




#33
 1,2-Dichloroethane-d4
 Concen: 51.910 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

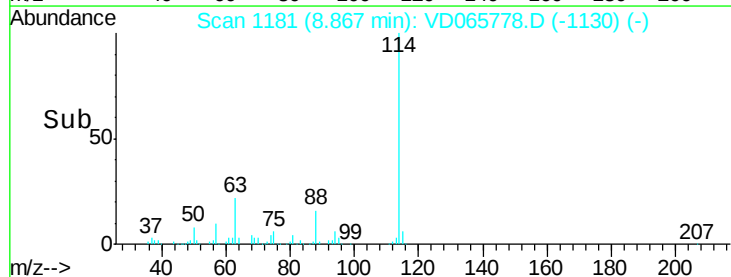
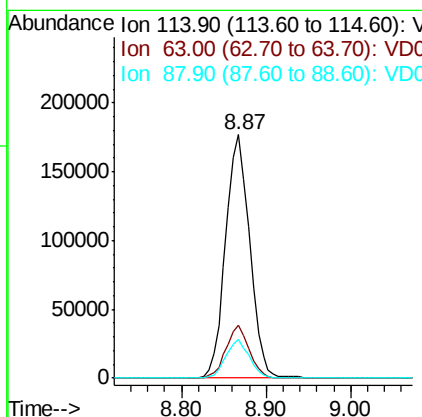
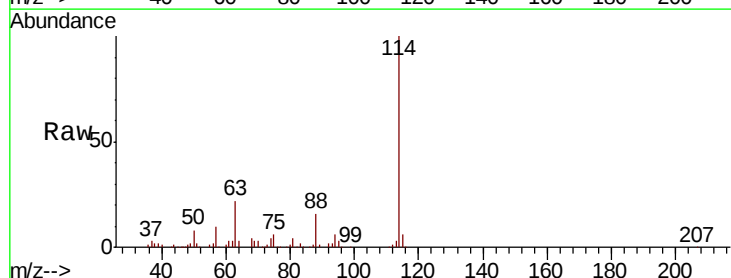
Instrument :
 MSVOA_D
 ClientSampleId :

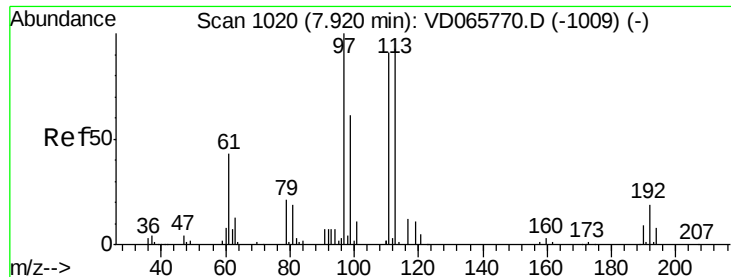
Tot Ion: 65 Resp: 113861
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion: 114 Resp: 350174
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 41.8
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.969 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

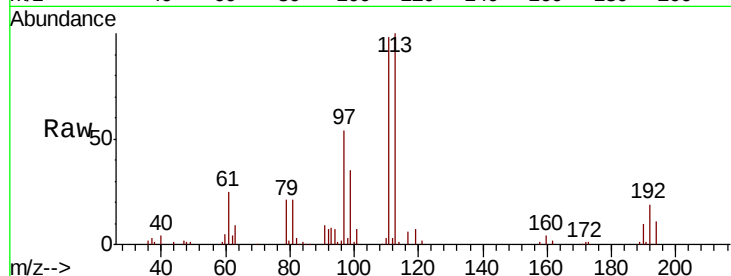
Tot Ion:113 Resp: 114951

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

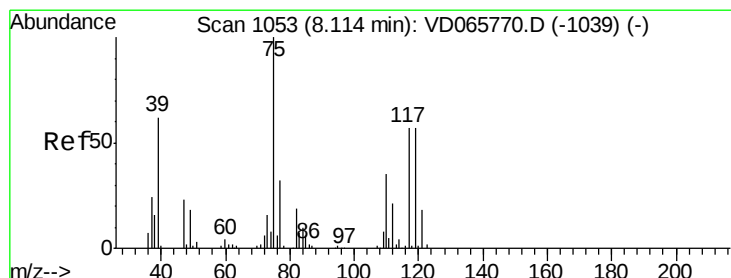
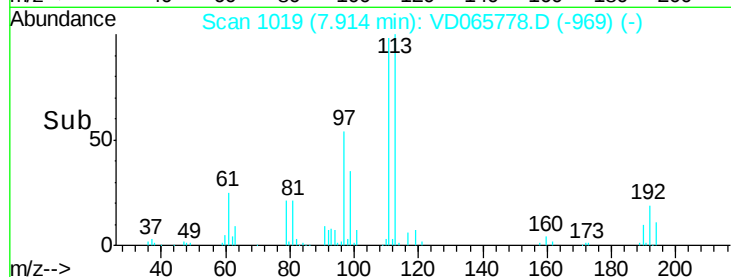
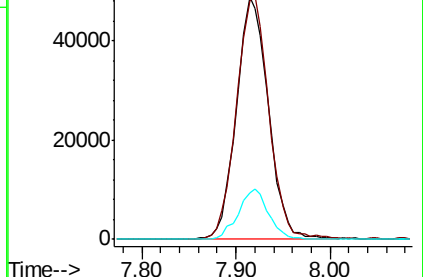
192 19.4 15.7 23.5



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: 21.156 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

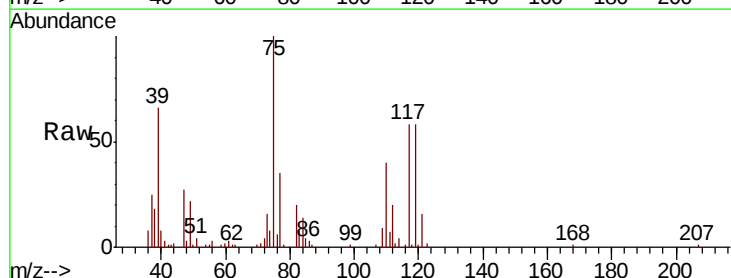
Tgt Ion: 75 Resp: 70965

Ion Ratio Lower Upper

75 100

110 36.1 17.6 52.8

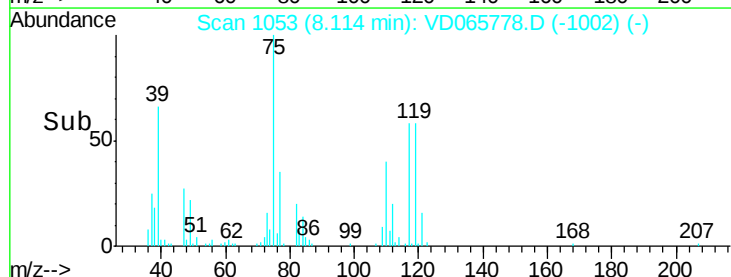
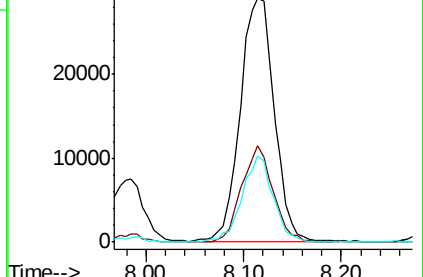
77 31.9 25.1 37.7

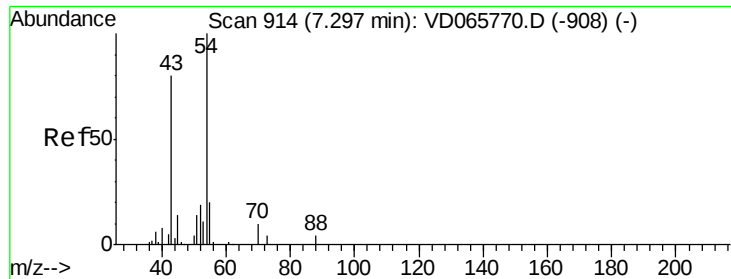


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

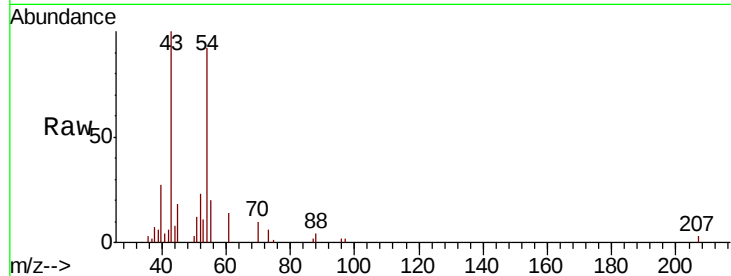




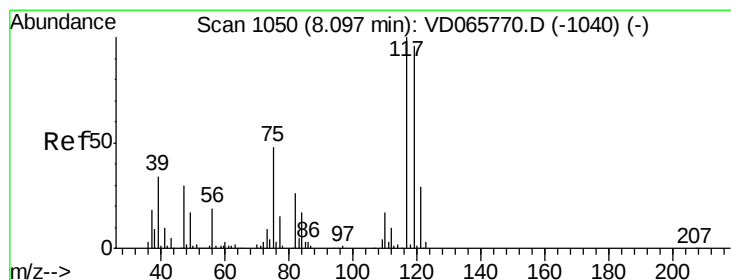
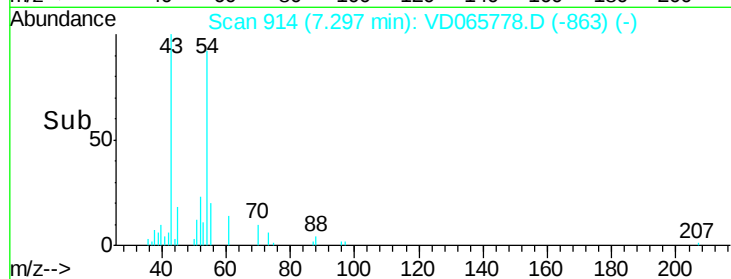
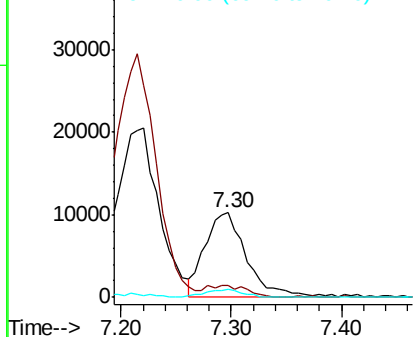
#37
Ethyl Acetate
Concen: 20.335 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 26868
Ion Ratio Lower Upper
43 100
61 14.0 10.6 15.8
70 8.5 7.5 11.3

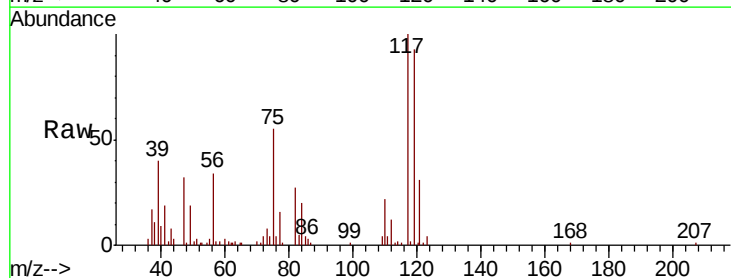


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

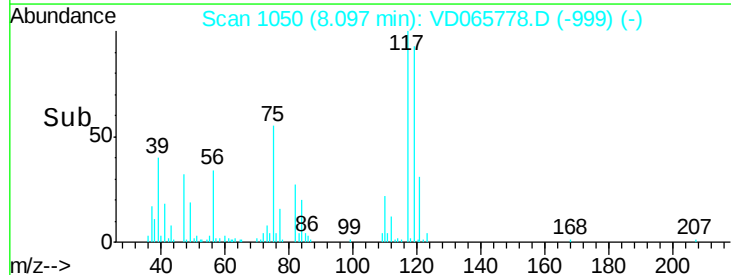
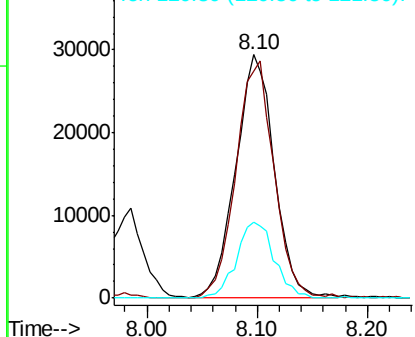


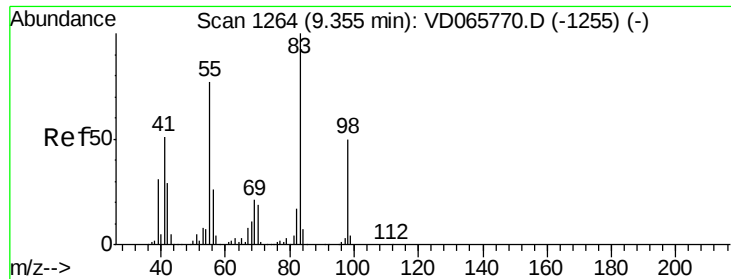
#38
Carbon Tetrachloride
Concen: 20.493 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 117 Resp: 72346
Ion Ratio Lower Upper
117 100
119 93.5 76.8 115.2
121 31.1 23.4 35.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

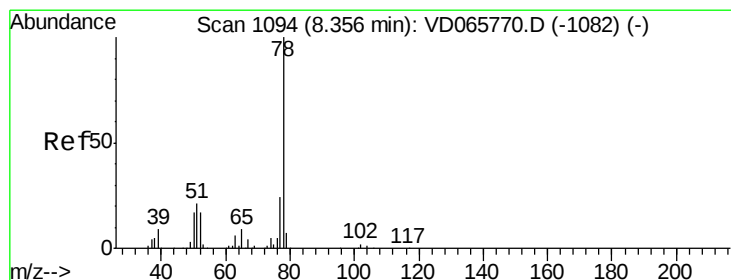
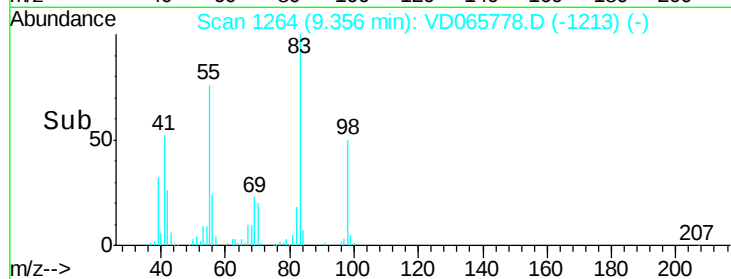
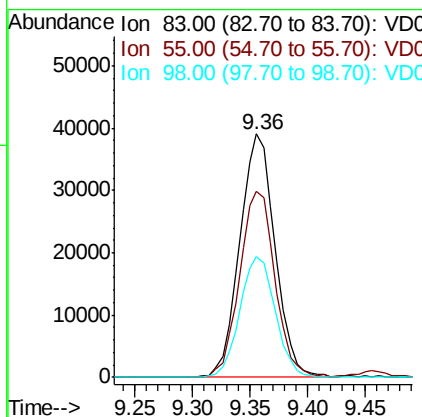
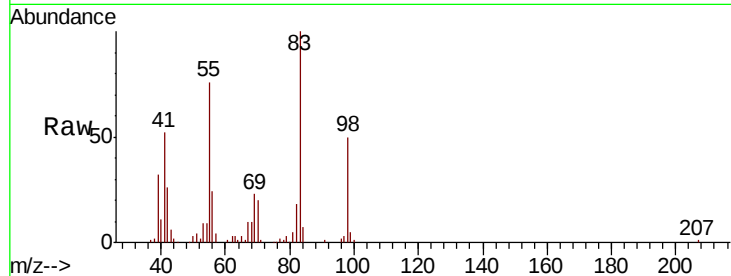




#39
Methvlcvclohexane
Concen: 20.921 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

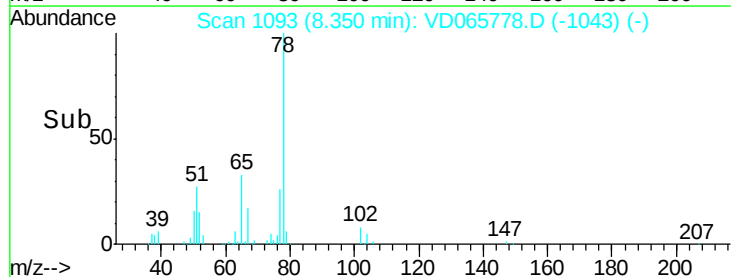
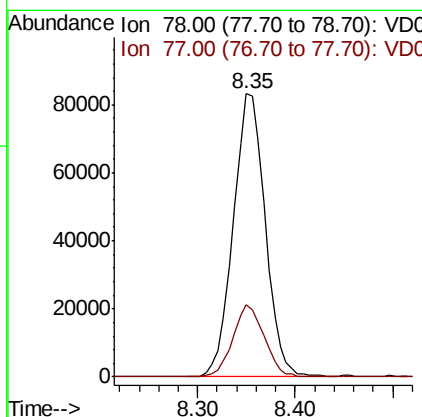
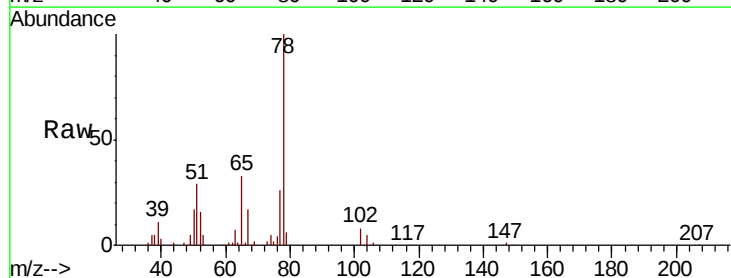
Instrument :
MSVOA_D
ClientSampleId :

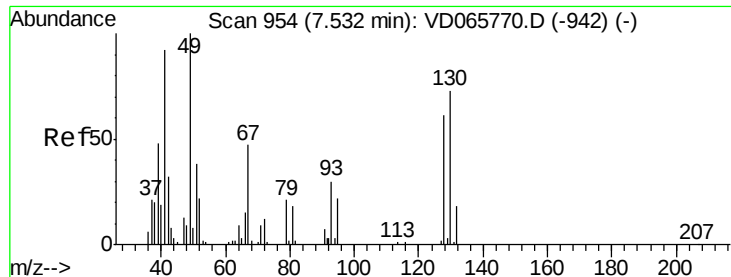
Tot Ion: 83 Resp: 83087
Ion Ratio Lower Upper
83 100
55 76.5 61.6 92.4
98 49.8 40.2 60.2



#40
Benzene
Concen: 20.667 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 78 Resp: 189528
Ion Ratio Lower Upper
78 100
77 25.7 19.2 28.8

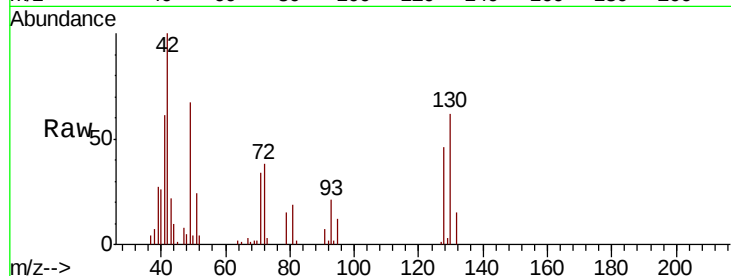




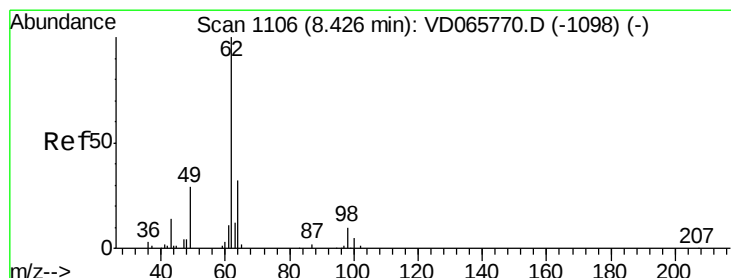
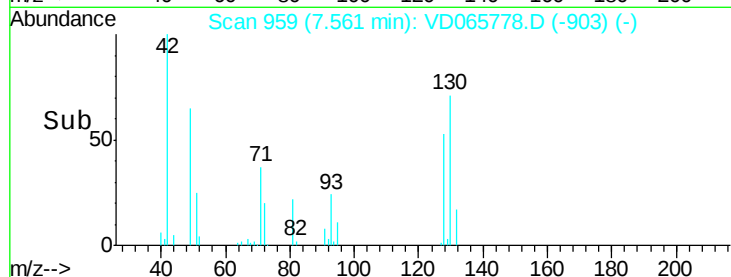
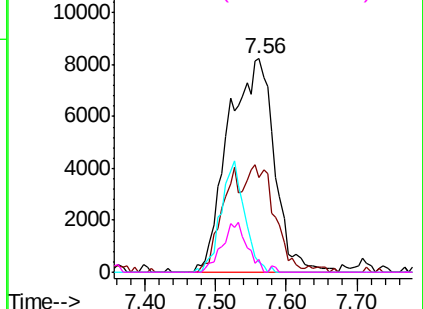
#41
Methacrylonitrile
Concen: 47.461 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.03 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 37339
Ion Ratio Lower Upper
41 100
39 28.8 38.3 57.5#
67 0.0 49.8 74.6#
52 0.0 21.7 32.5#

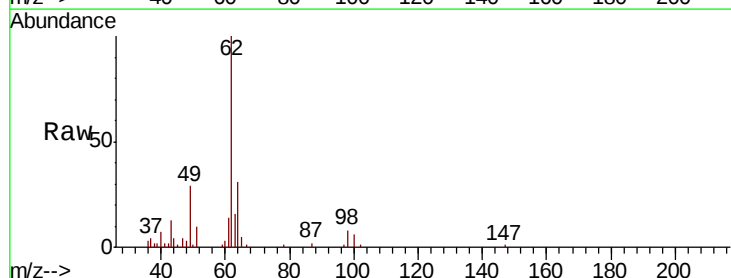


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

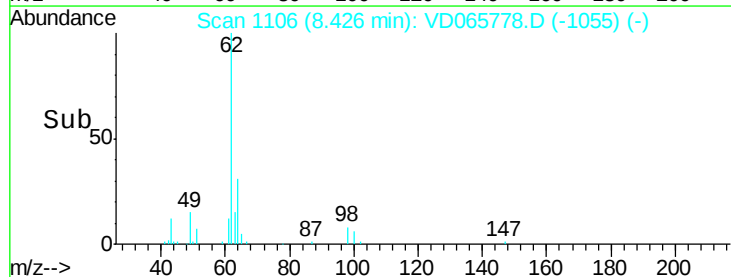
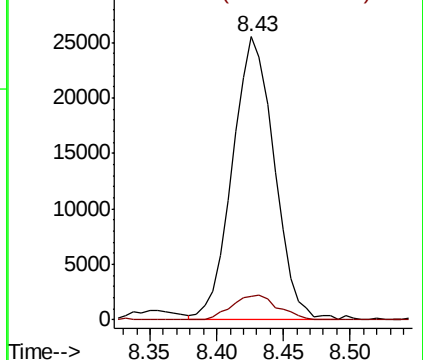


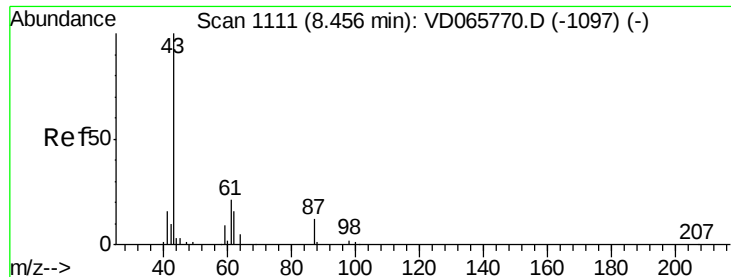
#42
1,2-Dichloroethane
Concen: 20.099 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 62 Resp: 55614
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.6



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

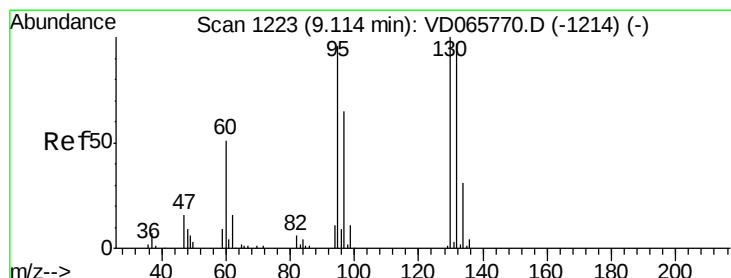
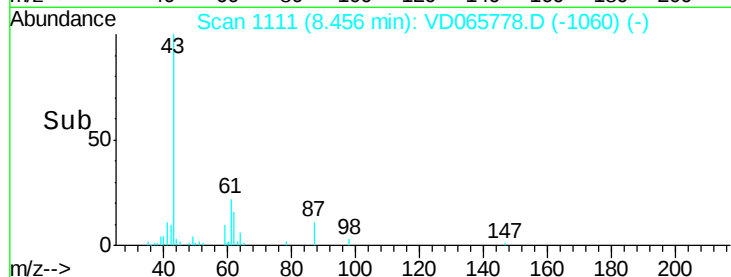
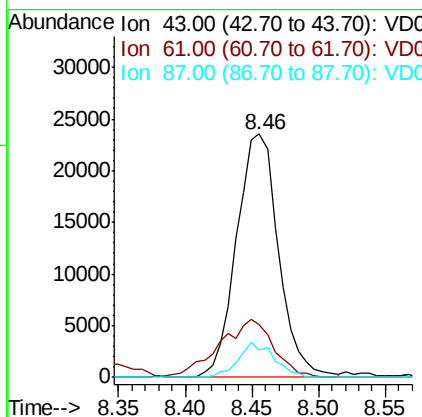
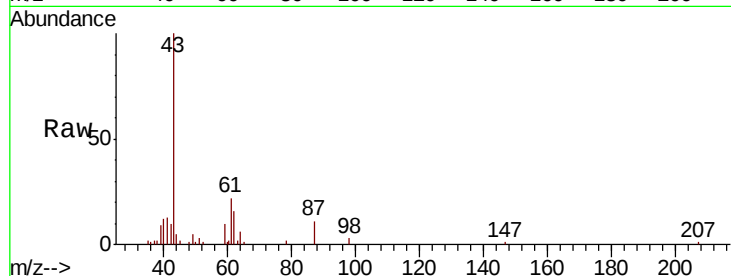




#43
Isopropyl Acetate
Concen: 19.575 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

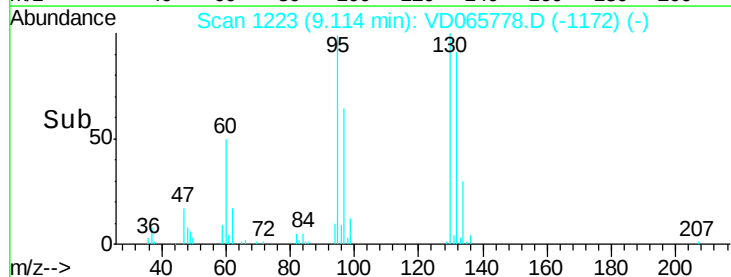
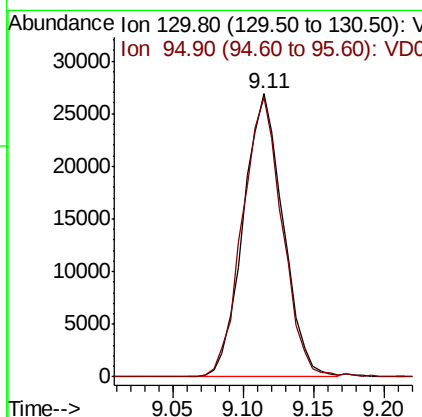
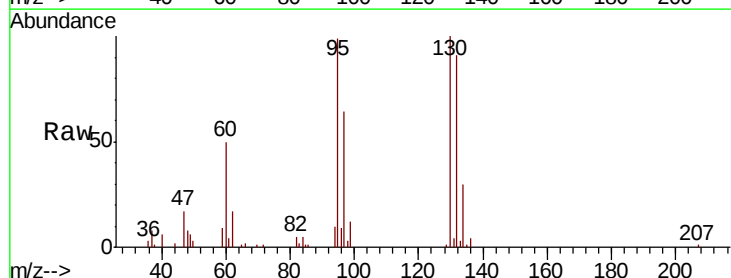
Instrument :
MSVOA_D
ClientSampleId :

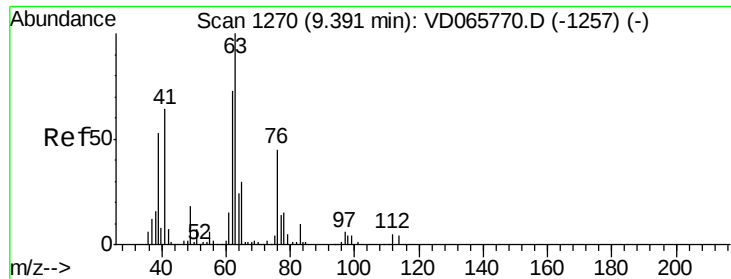
Tot Ion: 43 Resp: 51431
Ion Ratio Lower Upper
43 100
61 30.9 24.2 36.4
87 12.1 9.5 14.3



#44
Trichloroethene
Concen: 20.847 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 130 Resp: 53203
Ion Ratio Lower Upper
130 100
95 98.5 0.0 192.8

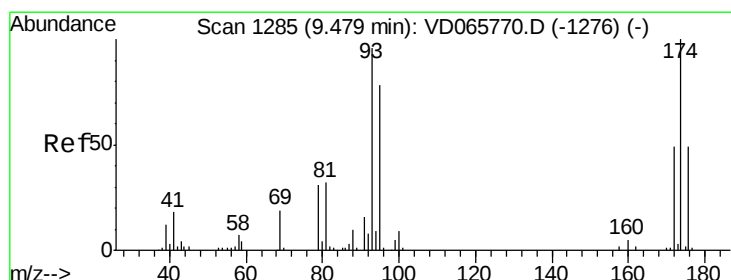
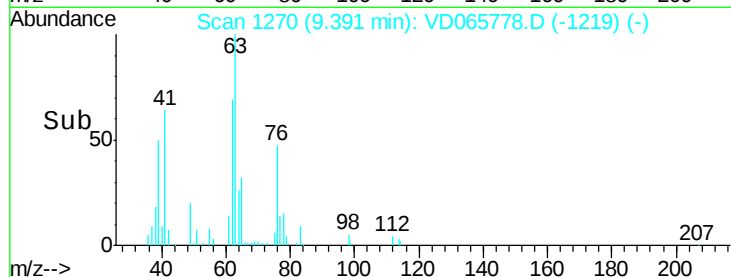
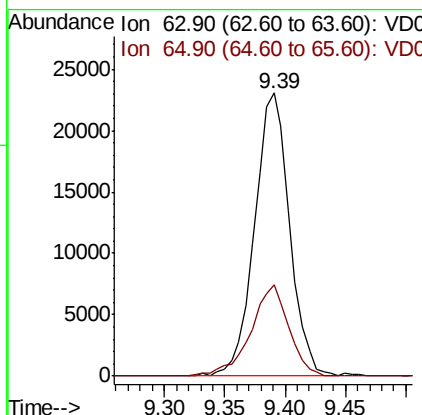
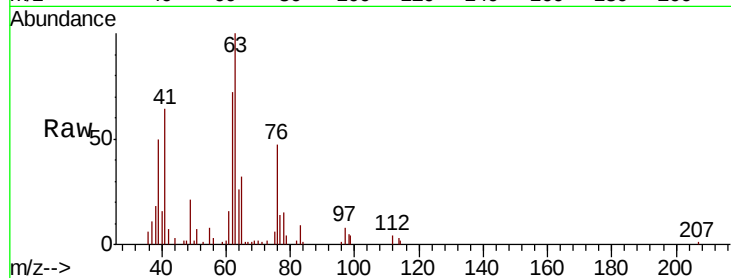




#45
 1,2-Dichloropropane
 Concen: 20.200 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

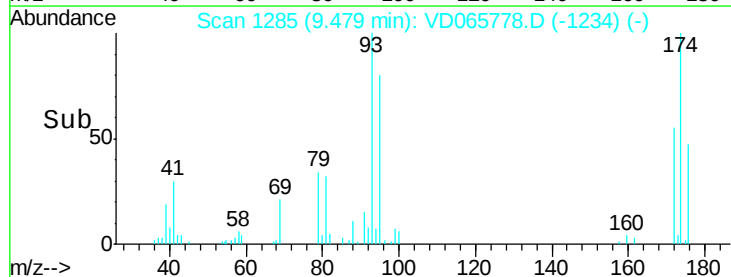
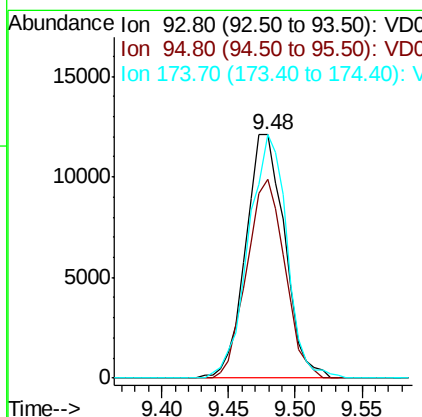
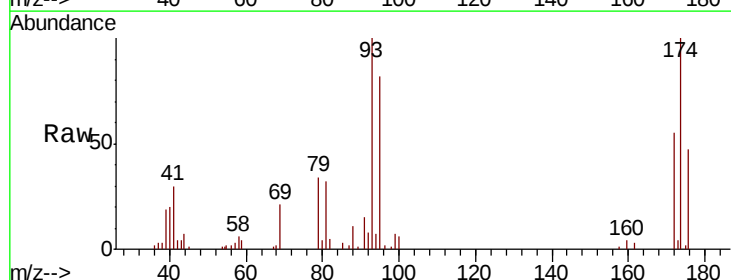
Instrument :
 MSVOA_D
 ClientSampled :

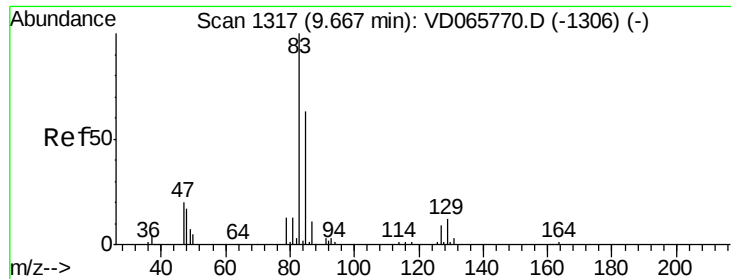
Tot Ion: 63 Resp: 46545
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.2 36.2



#46
 Dibromomethane
 Concen: 19.528 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion: 93 Resp: 24404
 Ion Ratio Lower Upper
 93 100
 95 79.6 65.8 98.6
 174 98.8 80.9 121.3





#47

Bromodichloromethane

Concen: 20.079 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

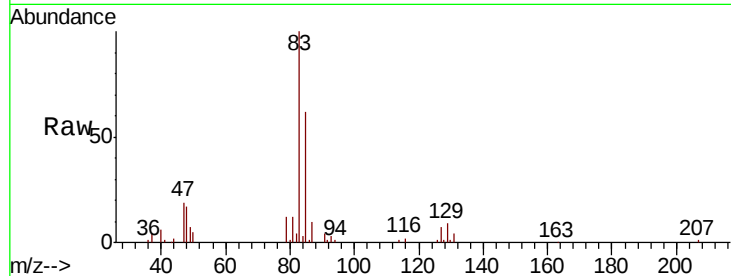
Tot Ion: 83 Resp: 67241

Ion Ratio Lower Upper

83 100

85 62.1 50.7 76.1

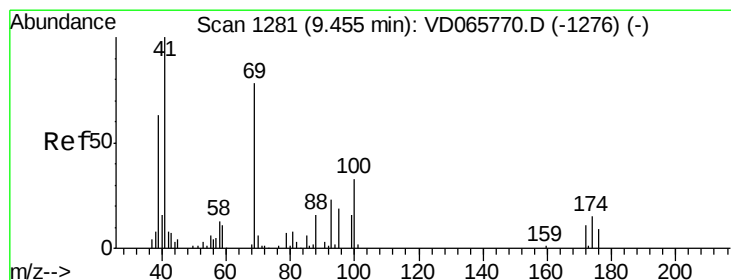
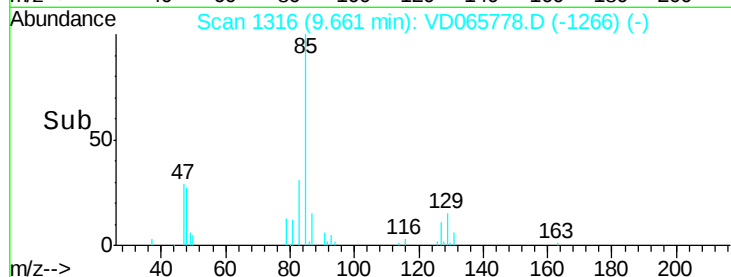
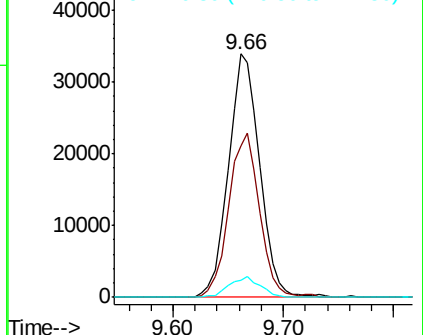
127 6.8 7.1 10.7#



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): V



#48

Methyl methacrylate

Concen: 18.274 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

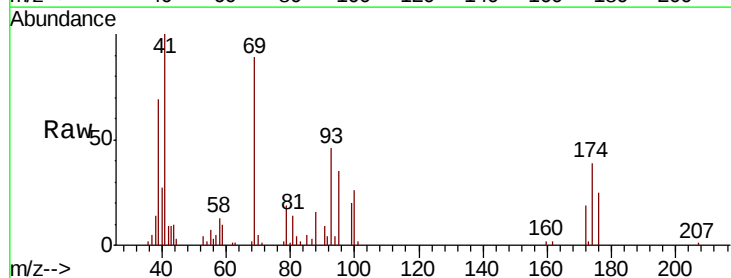
Tgt Ion: 41 Resp: 23240

Ion Ratio Lower Upper

41 100

69 83.0 60.9 91.3

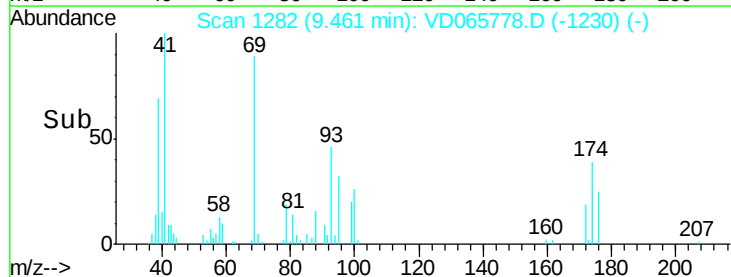
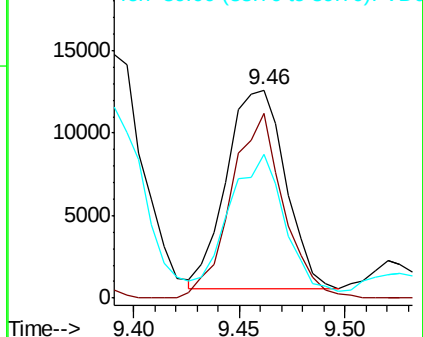
39 64.2 48.1 72.1

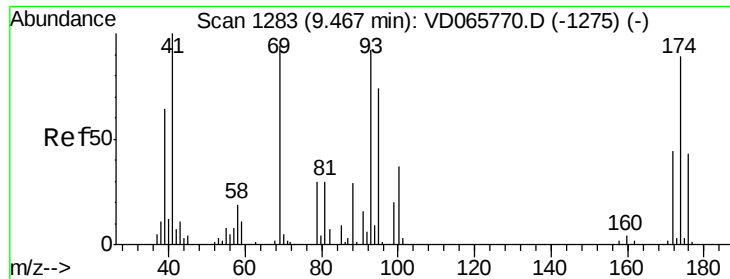


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 387.028 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

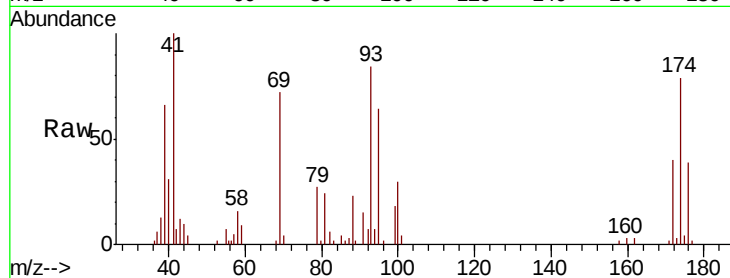
Tot Ion: 88 Resp: 5148

Ion Ratio Lower Upper

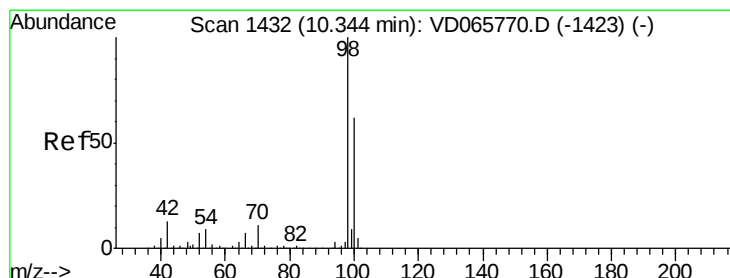
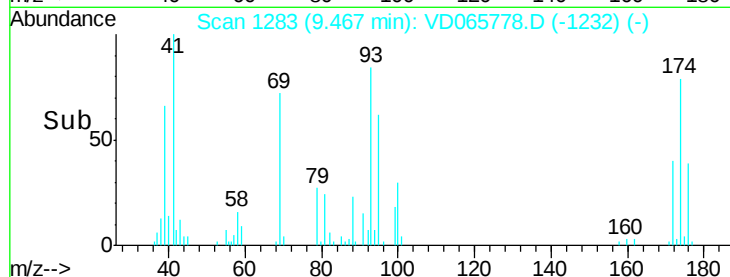
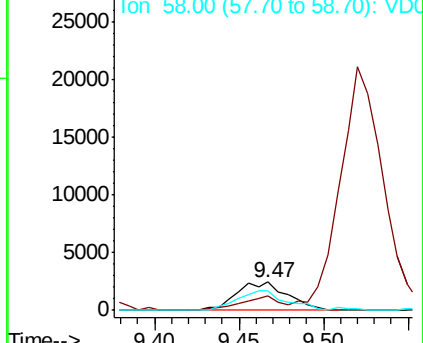
88 100

43 39.9 32.2 48.4

58 65.7 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: 53.012 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065778.D

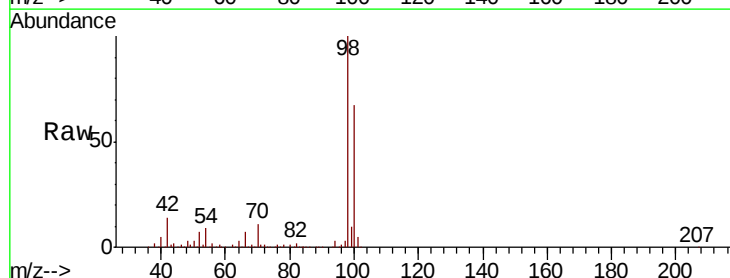
Acq: 08 Jun 2020 14:08

Tgt Ion: 98 Resp: 437244

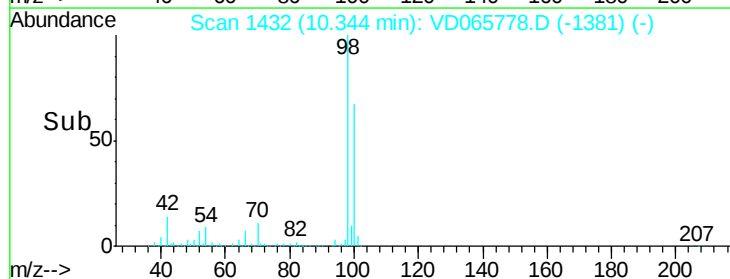
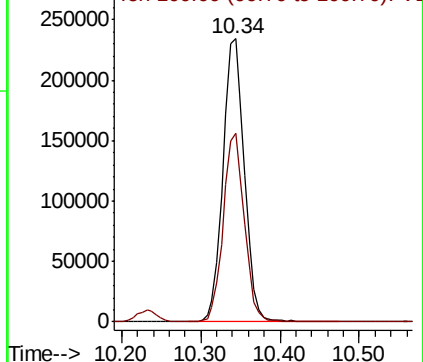
Ion Ratio Lower Upper

98 100

100 65.6 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: 95.083 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

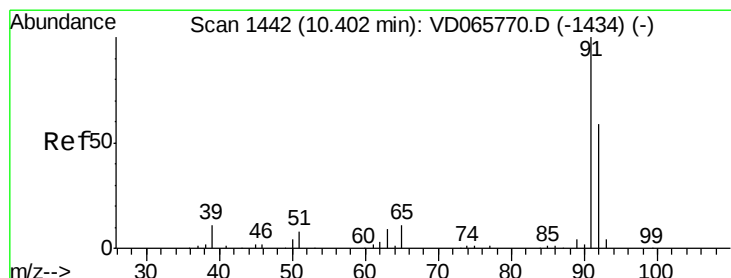
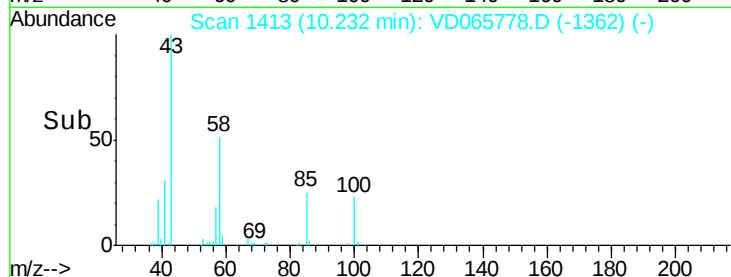
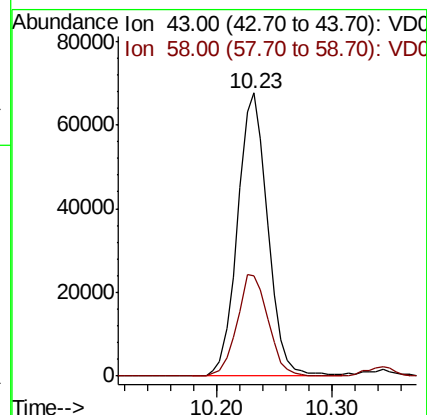
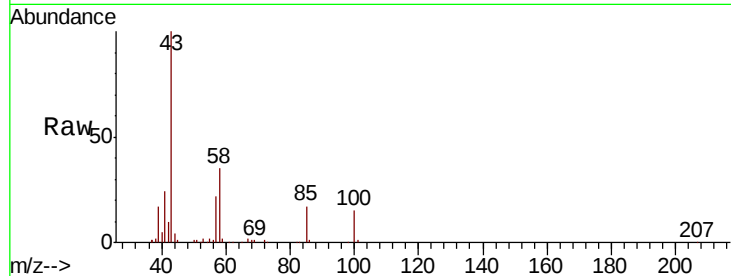
ClientSampleId :

Tot Ion: 43 Resp: 122413

Ion Ratio Lower Upper

43 100

58 36.8 30.7 46.1



#52

Toluene

Concen: 20.623 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065778.D

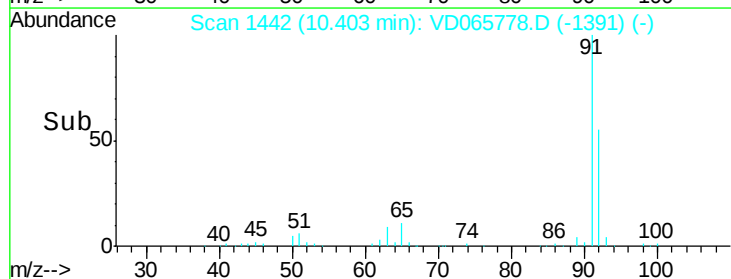
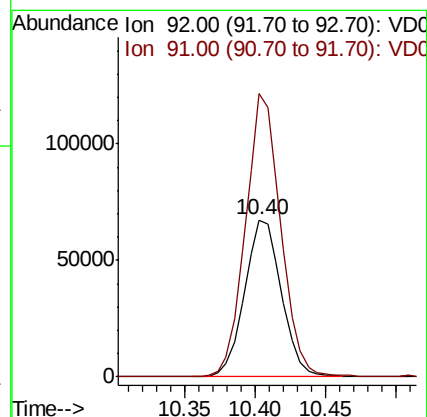
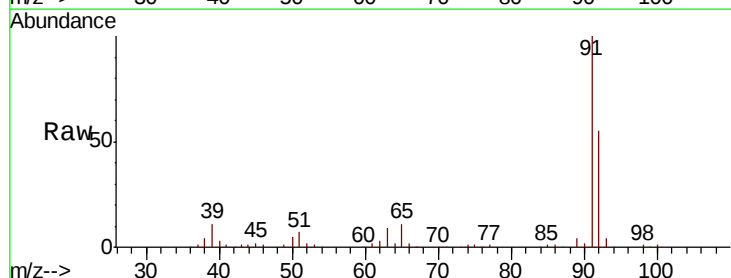
Acq: 08 Jun 2020 14:08

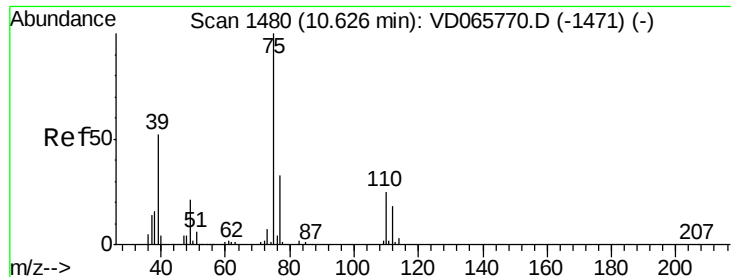
Tgt Ion: 92 Resp: 122886

Ion Ratio Lower Upper

92 100

91 173.2 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 20.173 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

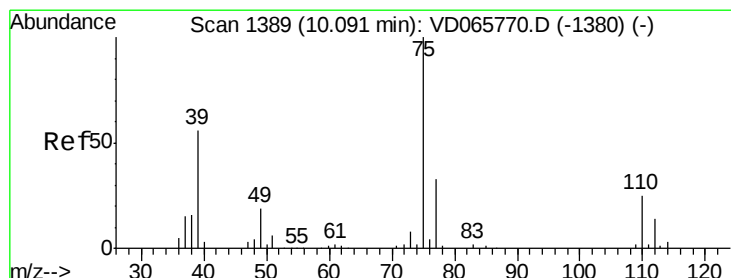
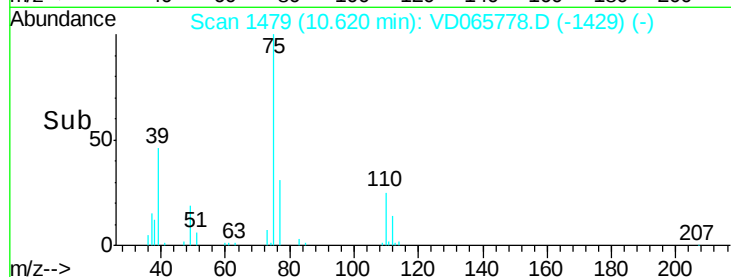
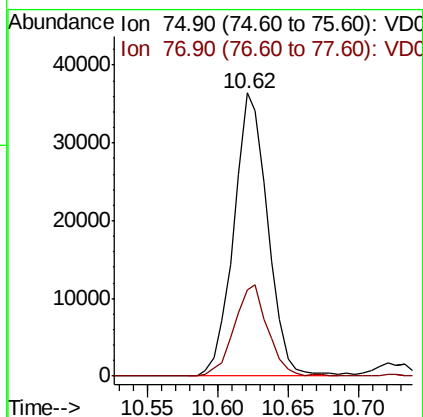
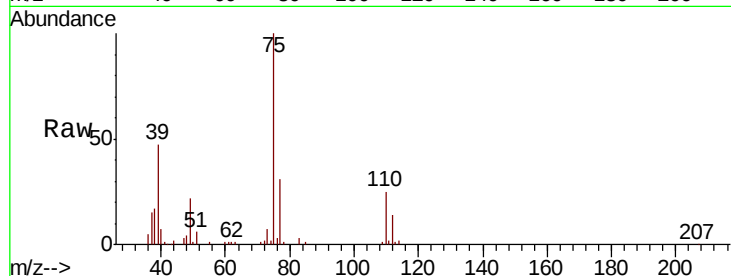
ClientSampleId :

Tot Ion: 75 Resp: 61173

Ion Ratio Lower Upper

75 100

77 30.5 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 20.558 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

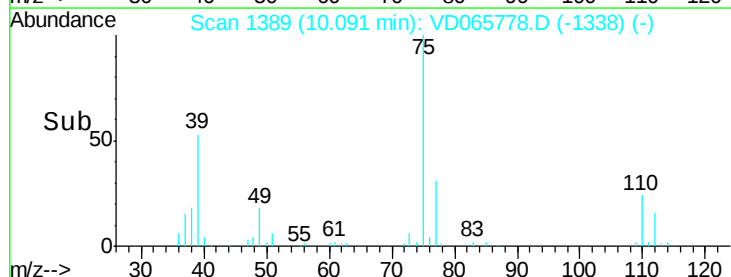
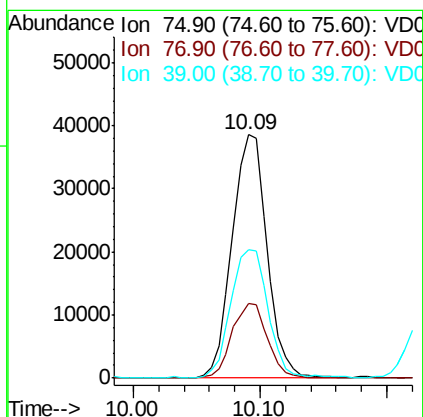
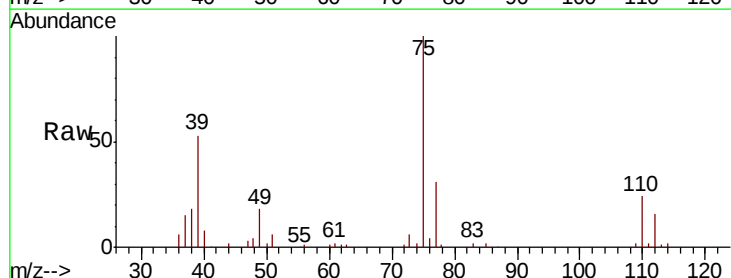
Tgt Ion: 75 Resp: 73626

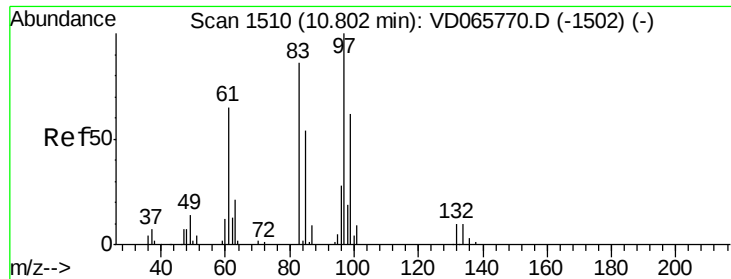
Ion Ratio Lower Upper

75 100

77 30.7 26.0 39.0

39 52.7 45.0 67.6

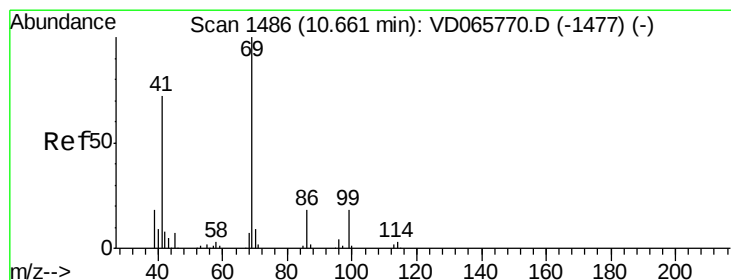
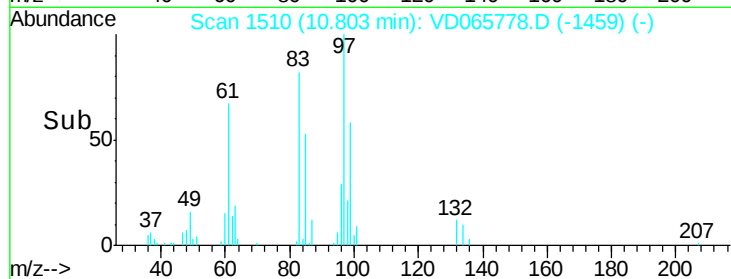
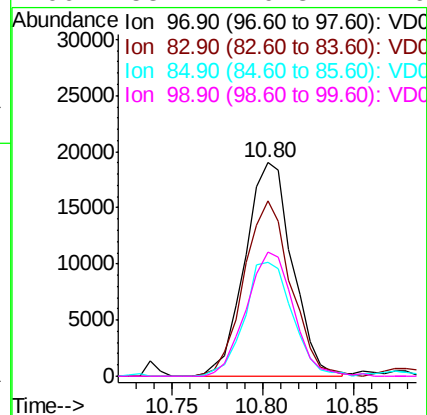
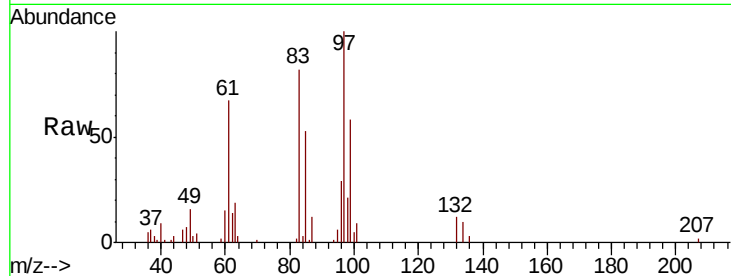




#55
 1,1,2-Trichloroethane
 Concen: 20.697 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

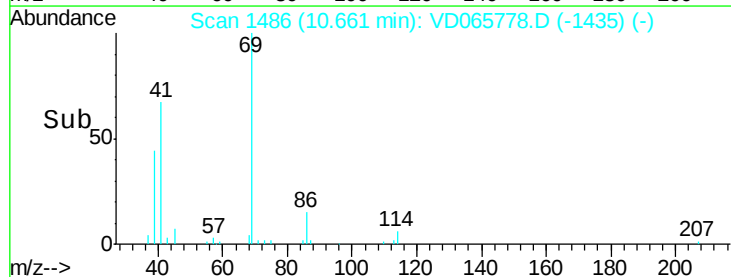
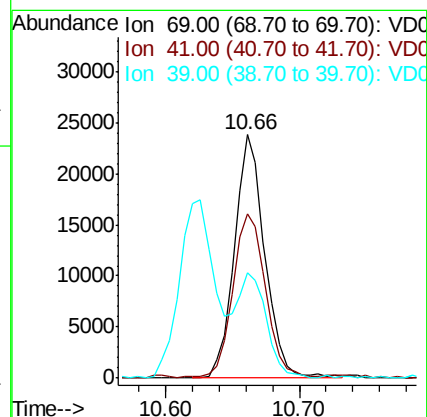
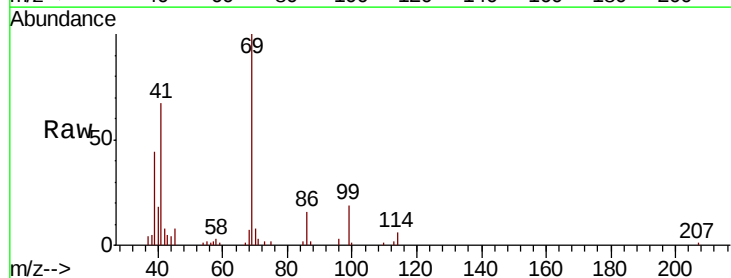
Instrument :
 MSVOA_D
 ClientSampleId :

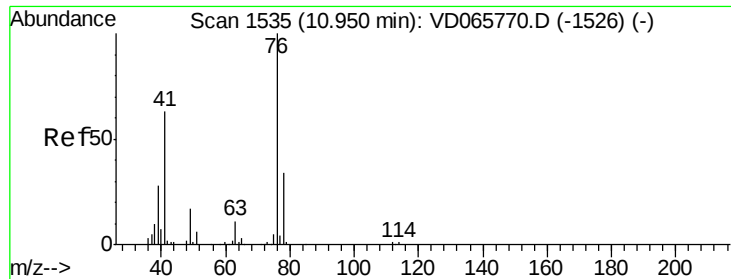
Tot Ion:	97	Resp:	34560
Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.7	103.1
85	53.1	43.0	64.6
99	58.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 19.204 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion:	69	Resp:	37716
Ion	Ratio	Lower	Upper
69	100		
41	73.3	56.9	85.3
39	38.9	36.0	54.0





#57

1,3-Dichloropropane

Concen: 19.842 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

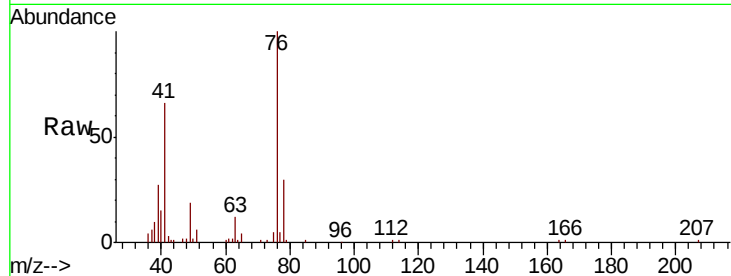
ClientSampleId :

Tot Ion: 76 Resp: 57401

Ion Ratio Lower Upper

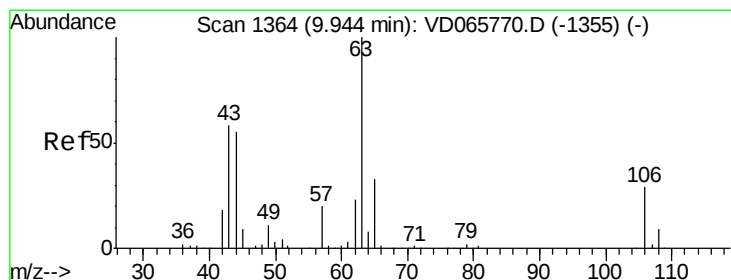
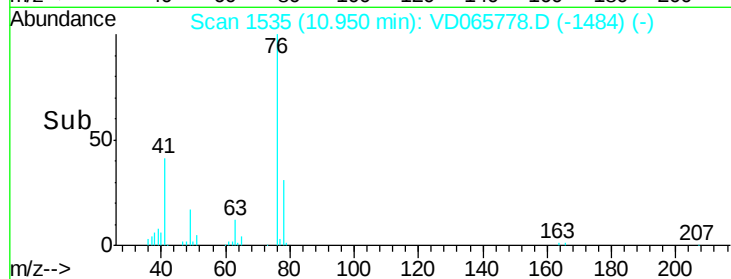
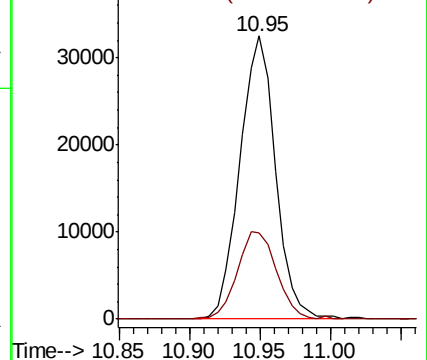
76 100

78 33.8 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 99.773 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065778.D

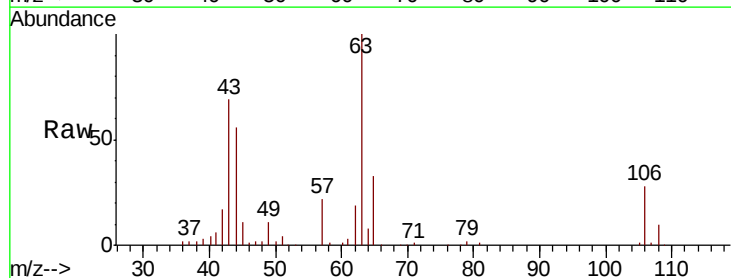
Acq: 08 Jun 2020 14:08

Tgt Ion: 63 Resp: 91102

Ion Ratio Lower Upper

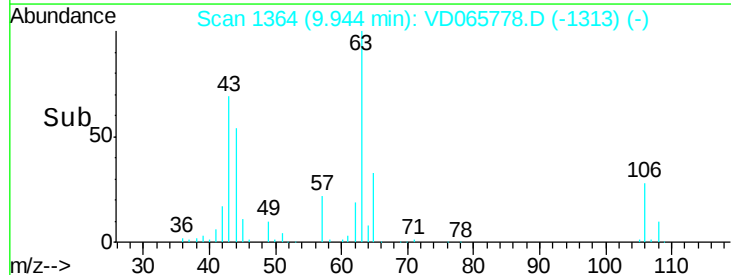
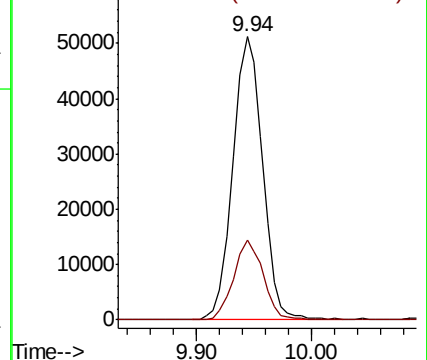
63 100

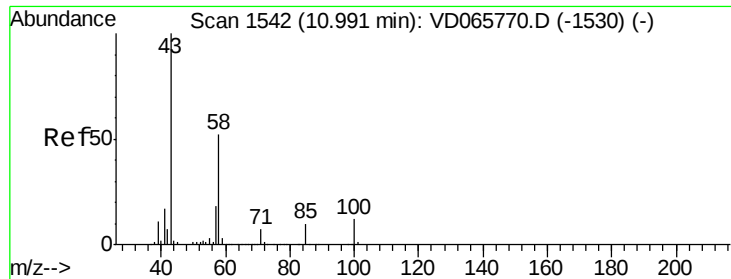
106 27.9 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

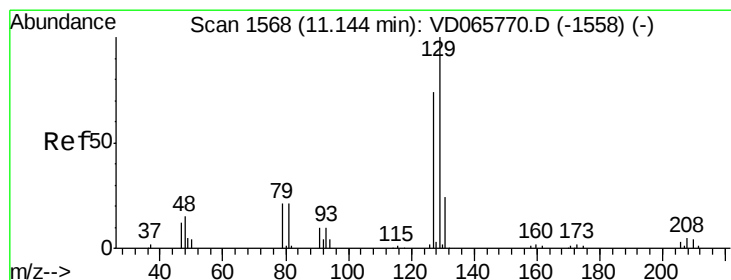
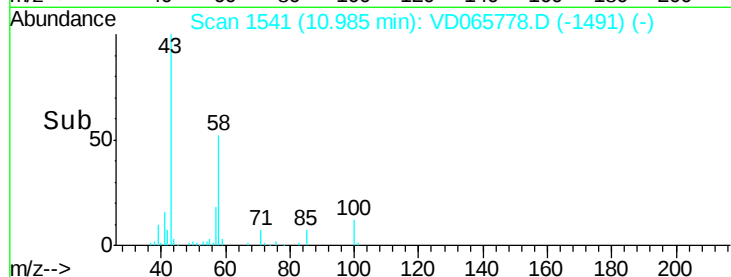
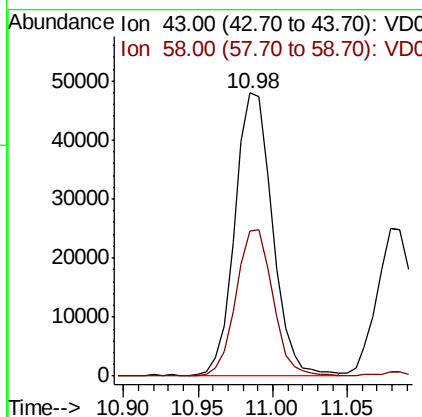
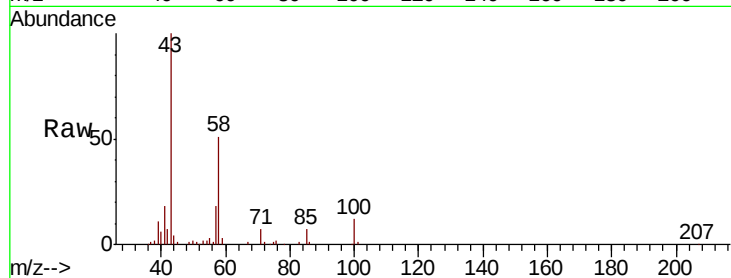




#59
2-Hexanone
Concen: 97.009 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

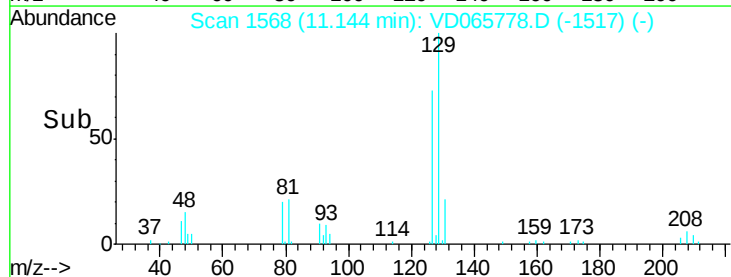
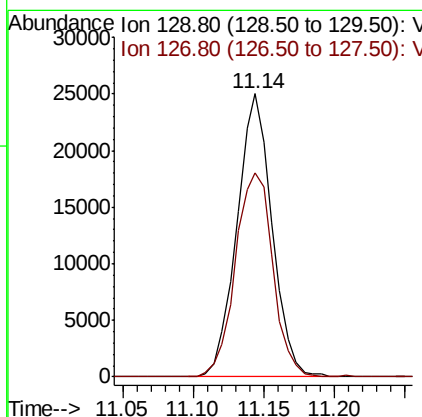
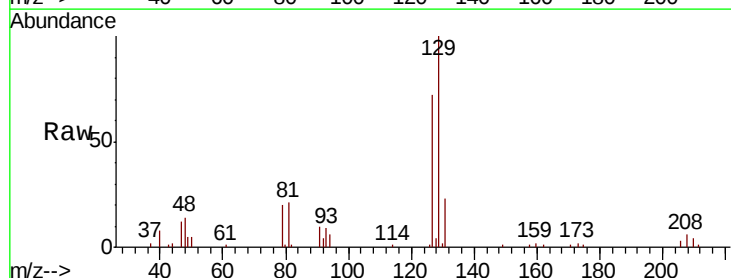
Instrument :
MSVOA_D
ClientSampled :

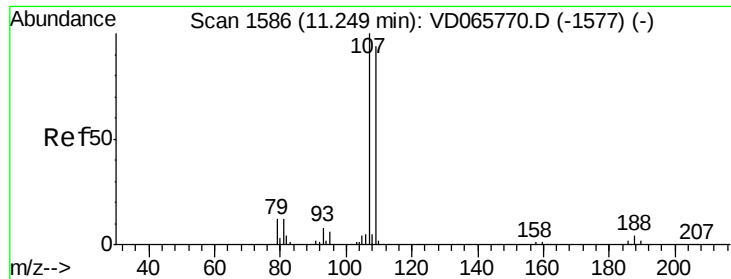
Tot Ion: 43 Resp: 84201
Ion Ratio Lower Upper
43 100
58 50.8 25.7 77.0



#60
Dibromochloromethane
Concen: 19.262 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 129 Resp: 43449
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9

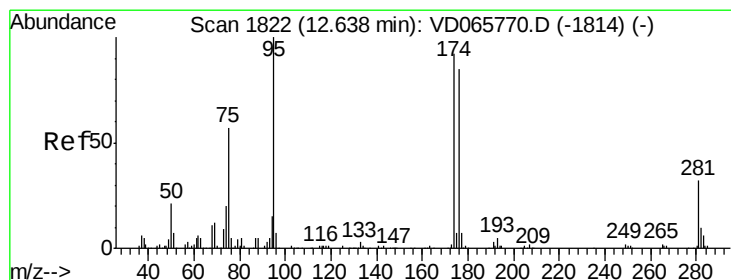
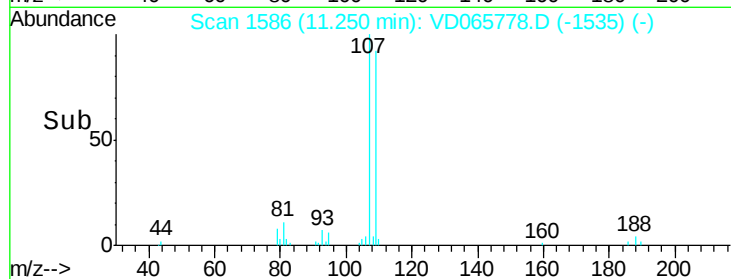
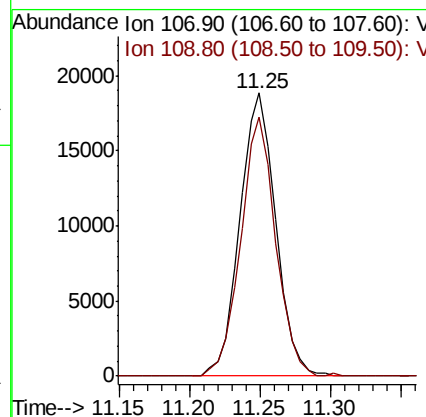
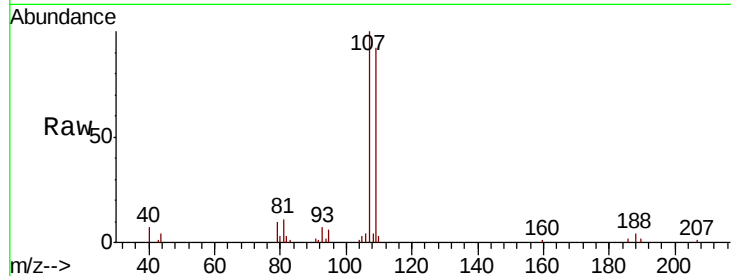




#61
 1,2-Dibromoethane
 Concen: 20.388 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

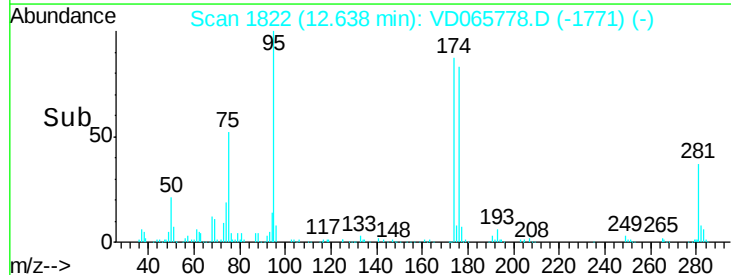
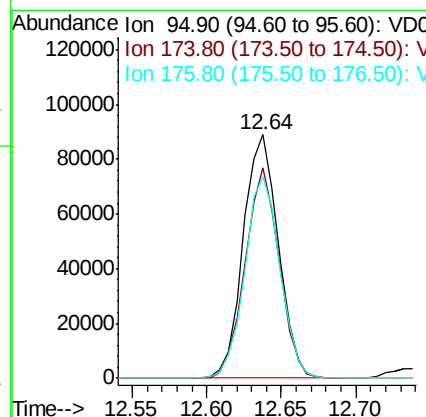
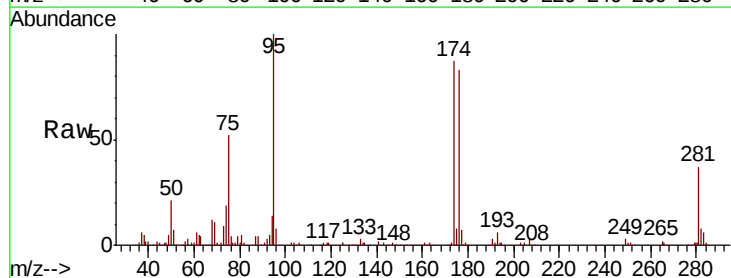
Instrument :
 MSVOA_D
 ClientSampleId :

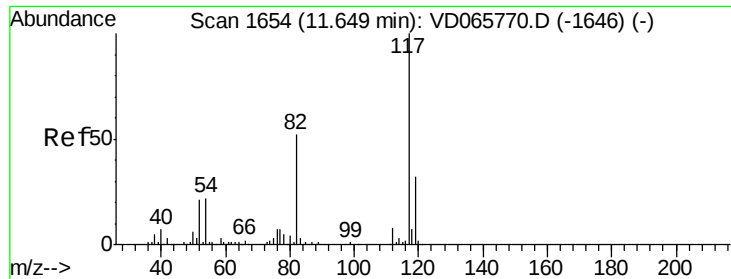
Tot Ion:107 Resp: 33457
 Ion Ratio Lower Upper
 107 100
 109 89.1 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 51.730 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion: 95 Resp: 144696
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 175.2
 176 82.5 0.0 163.0

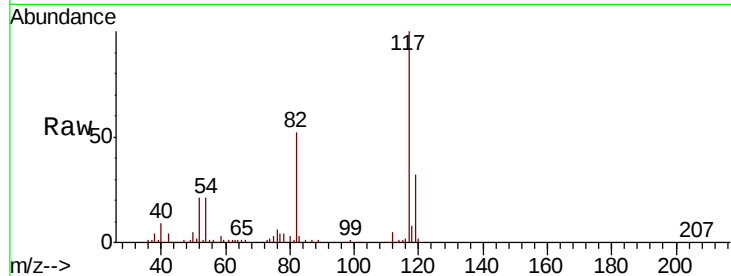




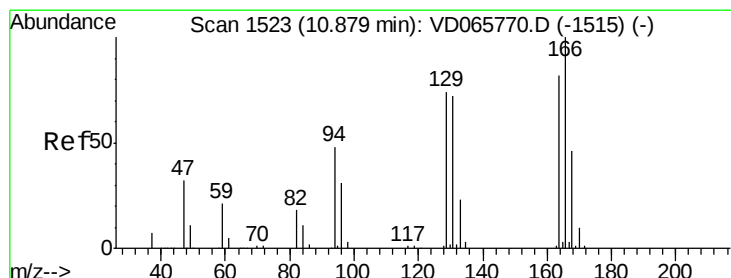
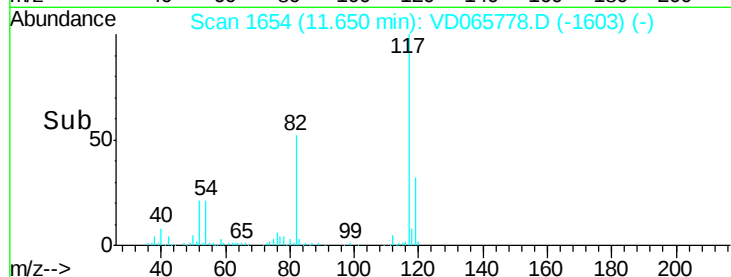
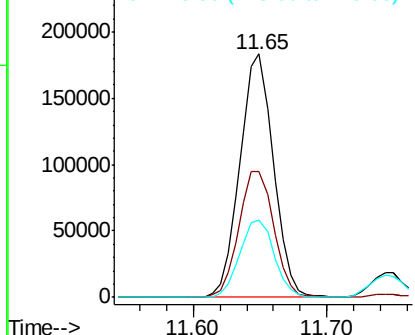
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 318865
Ion Ratio Lower Upper
117 100
82 51.9 41.9 62.9
119 31.9 25.3 37.9

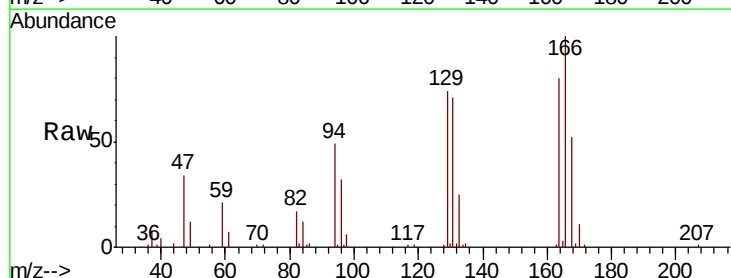


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

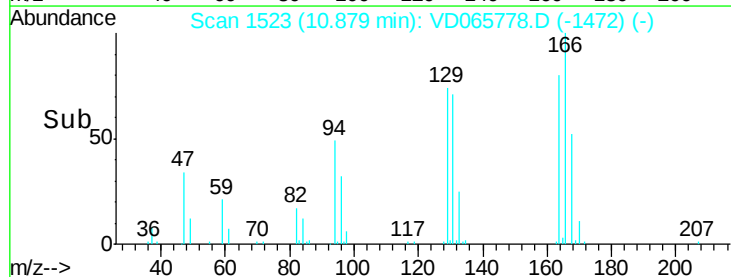
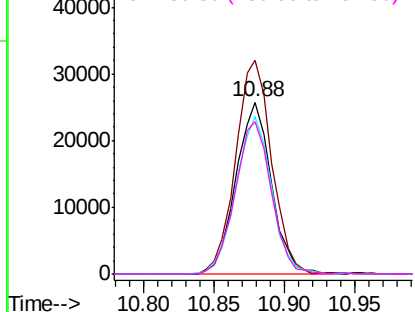


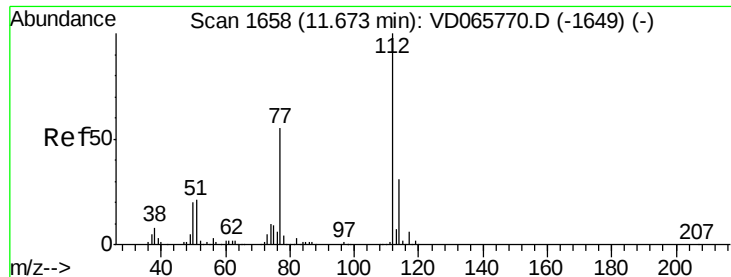
#64
Tetrachloroethene
Concen: 20.822 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion:164 Resp: 44895
Ion Ratio Lower Upper
164 100
166 124.5 98.2 147.2
129 91.9 72.3 108.5
131 88.9 70.5 105.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.902 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

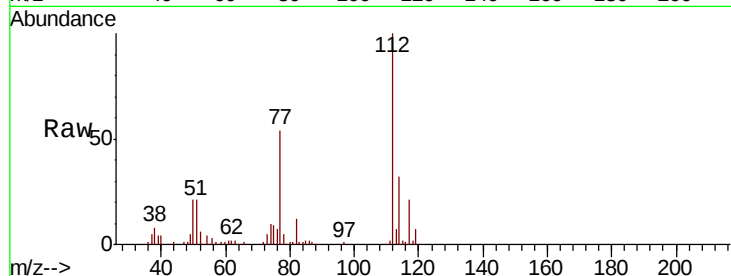
ClientSampleId :

Tot Ion:112 Resp: 130113

Ion Ratio Lower Upper

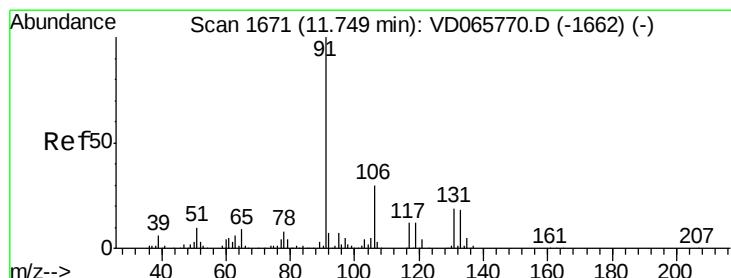
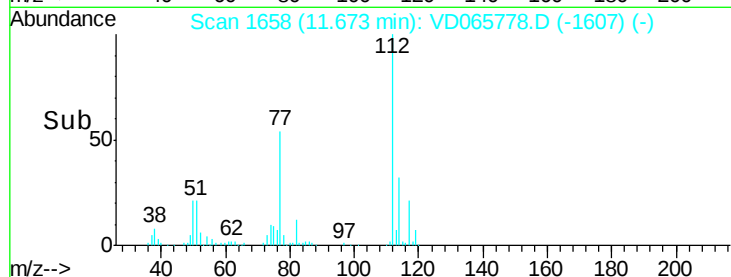
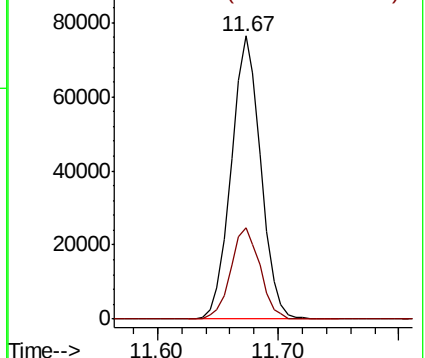
112 100

114 32.1 24.7 37.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.350 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

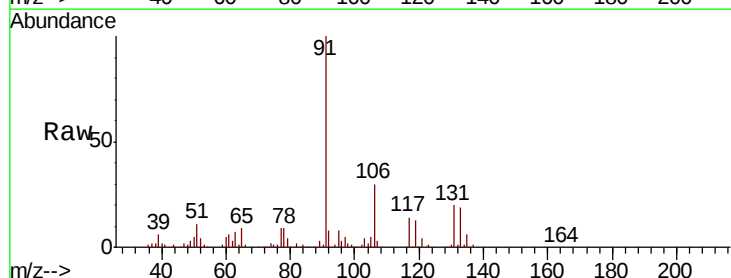
Tgt Ion:131 Resp: 47221

Ion Ratio Lower Upper

131 100

133 95.5 47.3 141.9

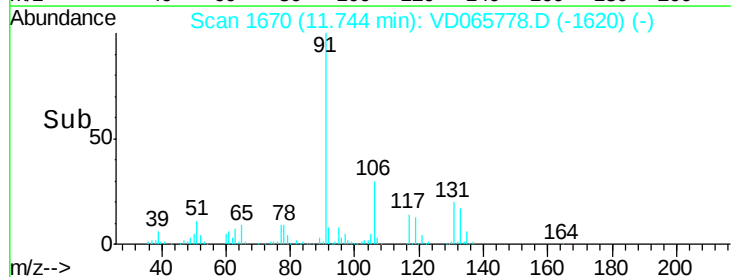
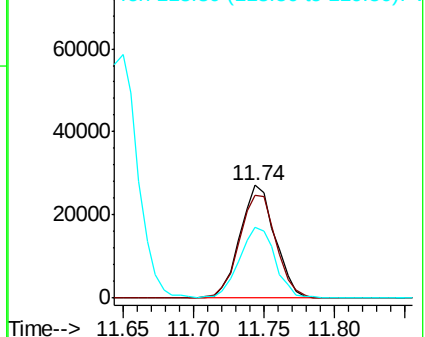
119 63.8 31.6 94.8

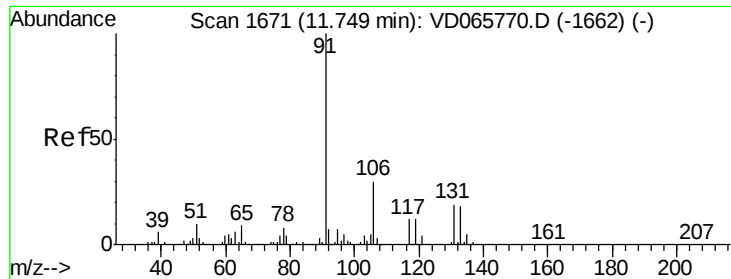


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.817 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

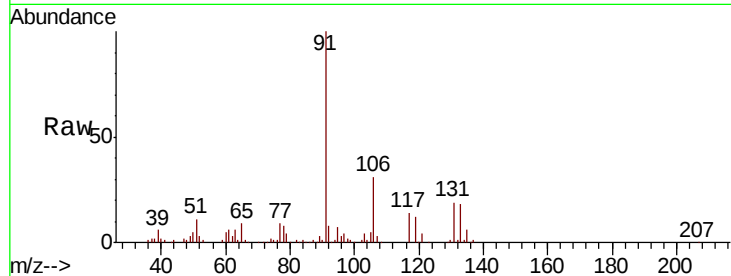
ClientSampleId :

Tot Ion: 91 Resp: 231491

Ion Ratio Lower Upper

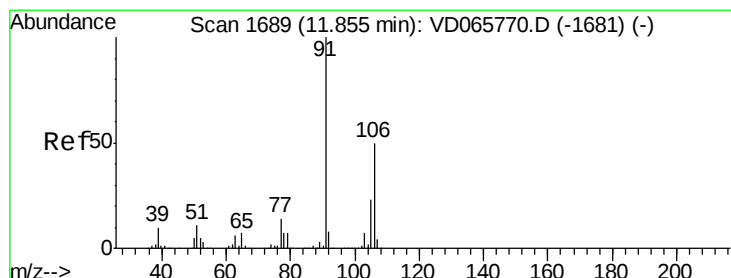
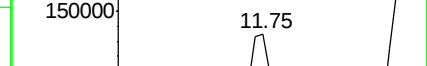
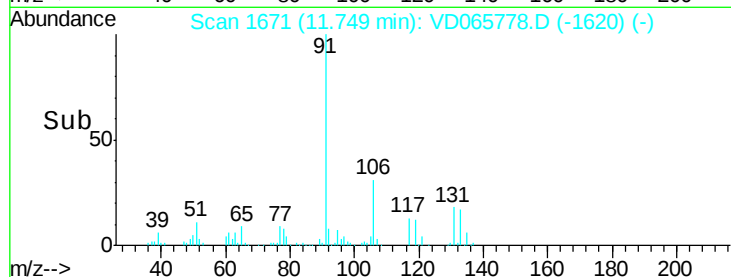
91 100

106 31.2 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 41.389 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065778.D

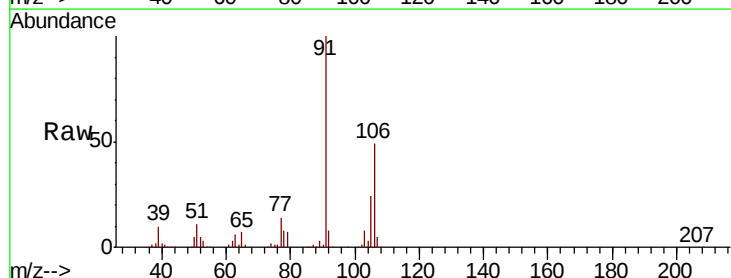
Acq: 08 Jun 2020 14:08

Tgt Ion: 106 Resp: 177287

Ion Ratio Lower Upper

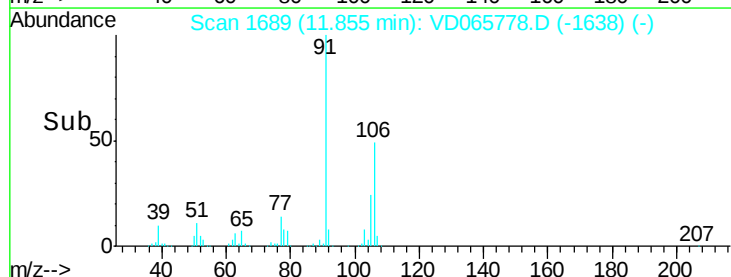
106 100

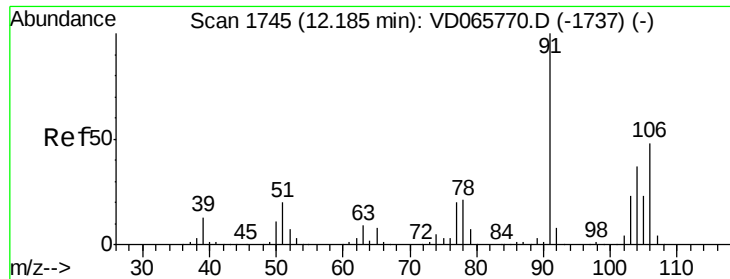
91 201.7 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

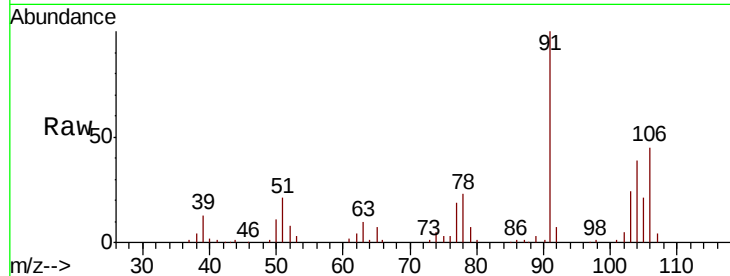




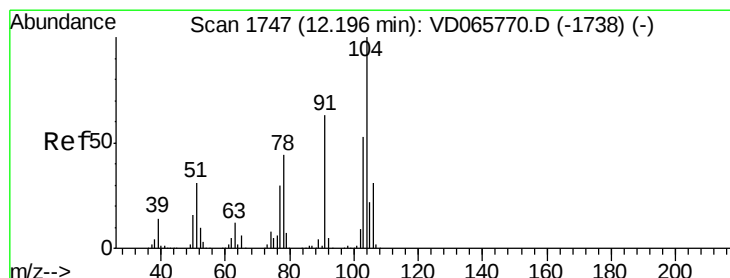
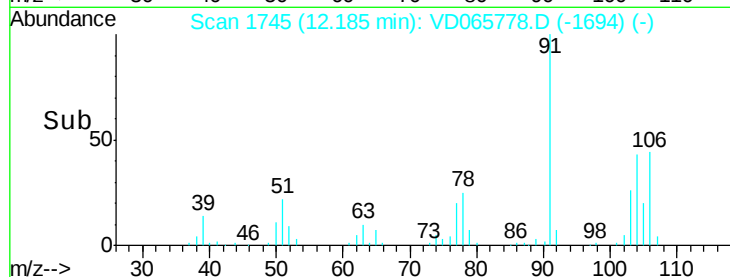
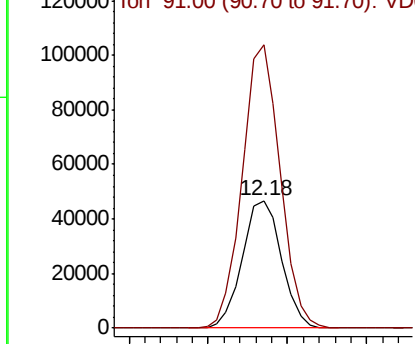
#69
o-Xylene
Concen: 20.812 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 80379
Ion Ratio Lower Upper
106 100
91 214.0 105.3 315.8

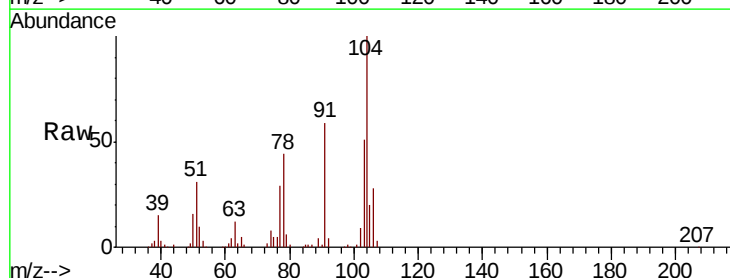


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

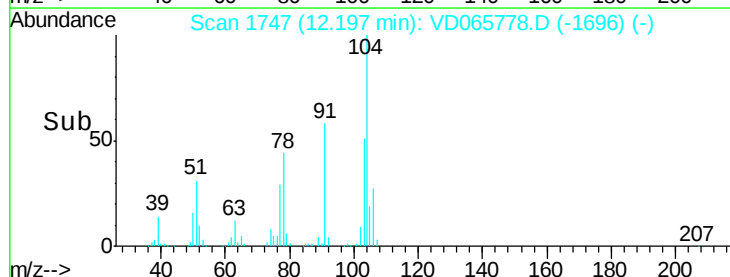
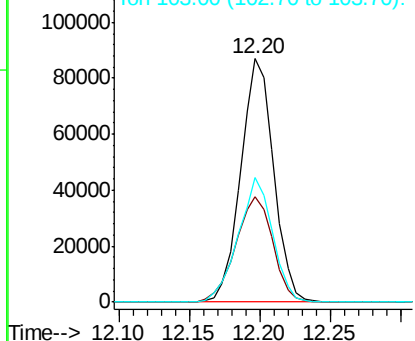


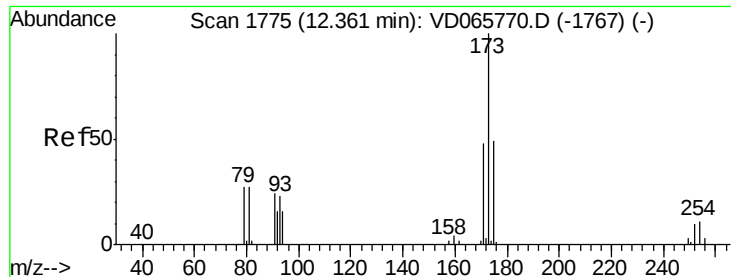
#70
Styrene
Concen: 21.239 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion:104 Resp: 141999
Ion Ratio Lower Upper
104 100
78 48.8 38.6 58.0
103 53.4 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V

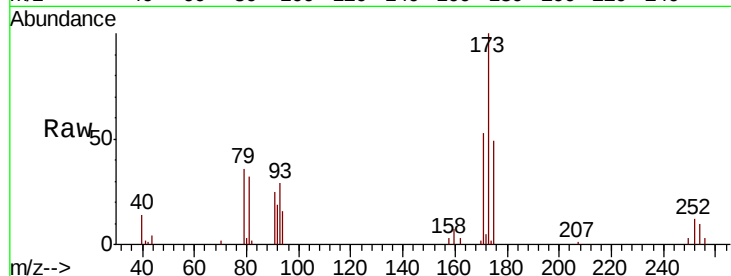




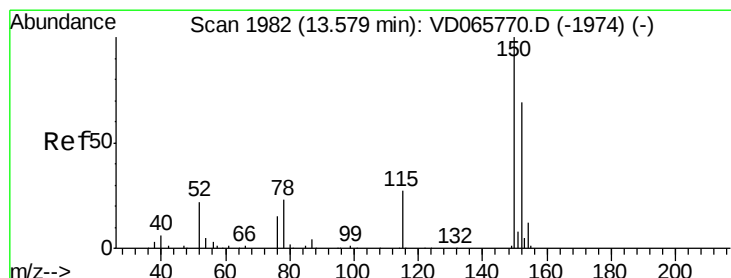
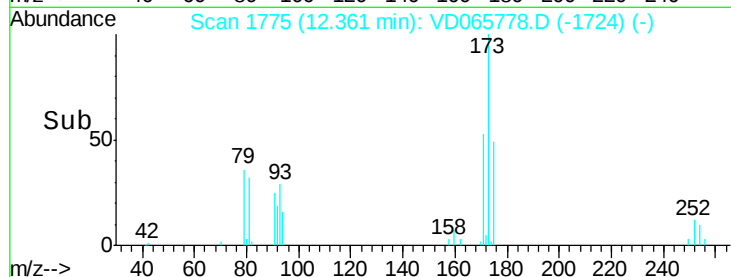
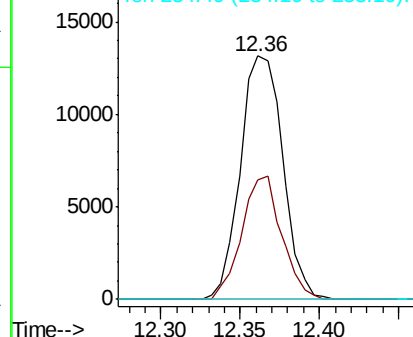
#71
Bromoform
Concen: 19.183 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 24511
Ion Ratio Lower Upper
173 100
175 47.5 24.8 74.4
254 0.0 0.0 0.0

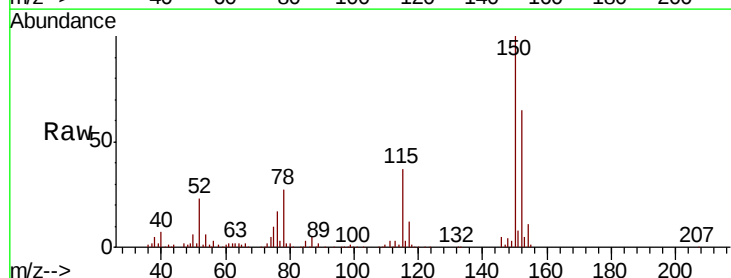


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

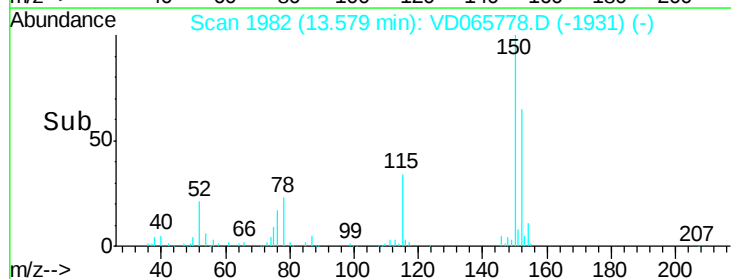
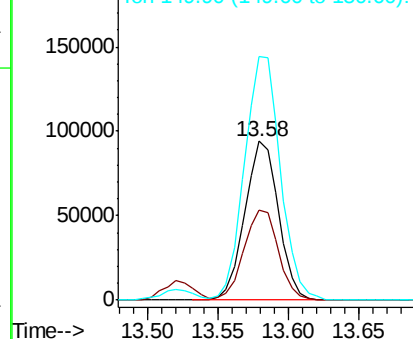


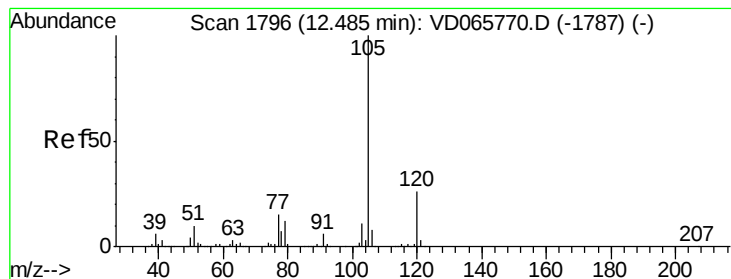
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion:152 Resp: 157848
Ion Ratio Lower Upper
152 100
115 57.8 28.7 86.1
150 162.7 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: 21.256 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

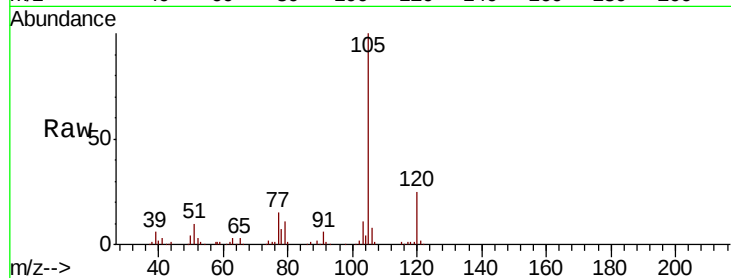
ClientSampleId :

Tot Ion:105 Resp: 224959

Ion Ratio Lower Upper

105 100

120 26.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

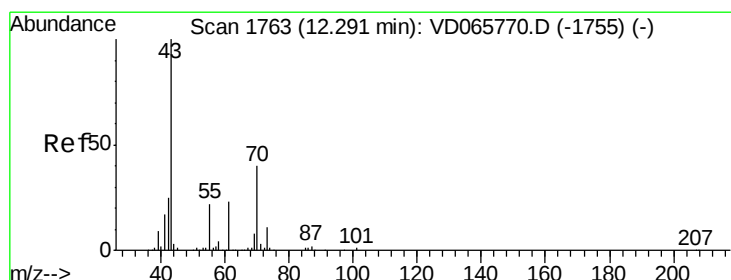
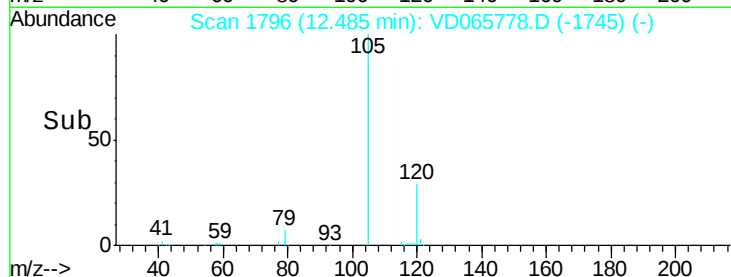
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 19.683 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Tgt Ion: 43 Resp: 46343

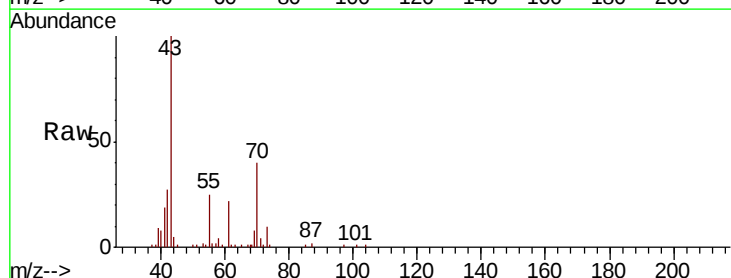
Ion Ratio Lower Upper

43 100

70 40.2 32.3 48.5

55 24.4 19.0 28.4

61 22.6 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

40000

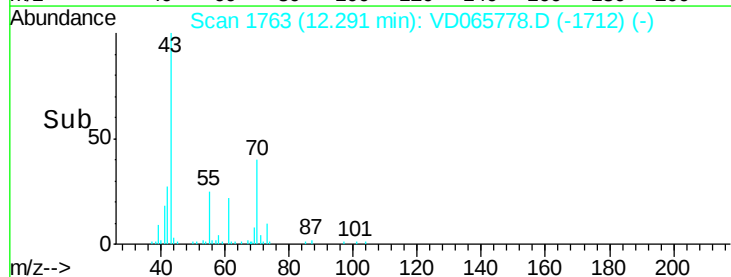
30000

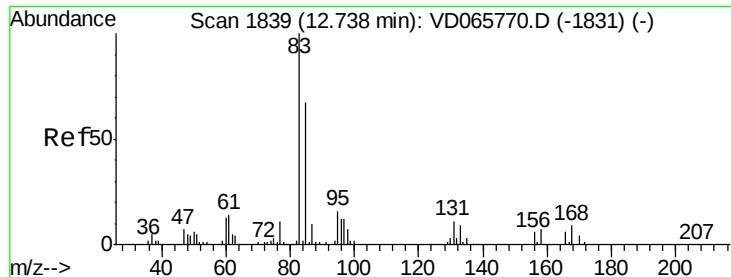
20000

10000

0

Time--> 12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 19.533 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

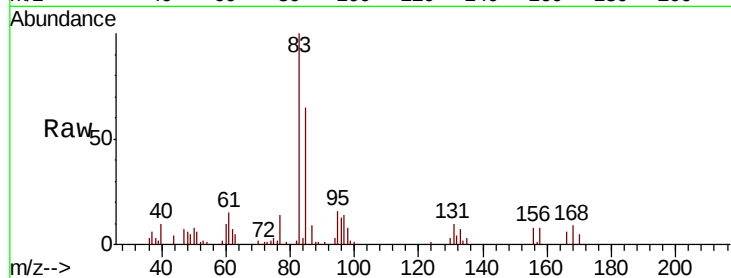
Tot Ion: 83 Resp: 34911

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

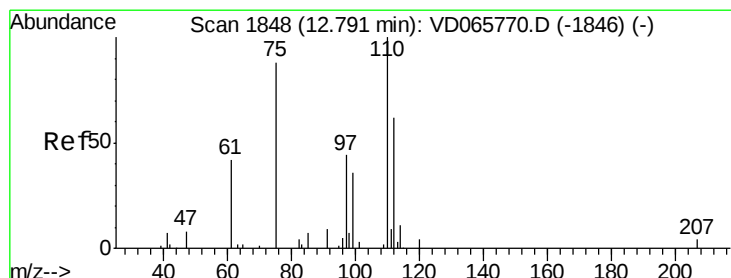
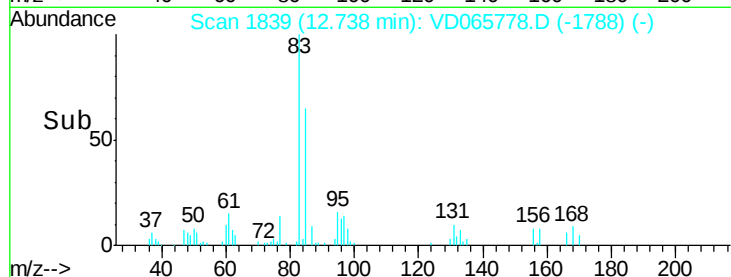
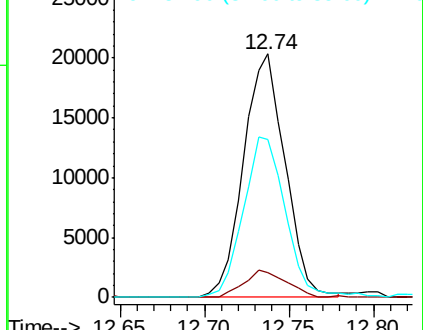
85 67.1 32.5 97.5



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: 37.515 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065778.D

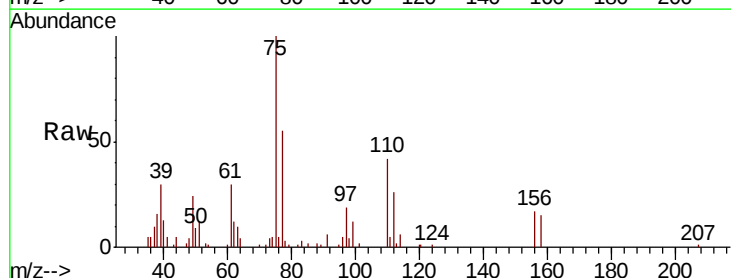
Acq: 08 Jun 2020 14:08

Tgt Ion: 75 Resp: 46054

Ion Ratio Lower Upper

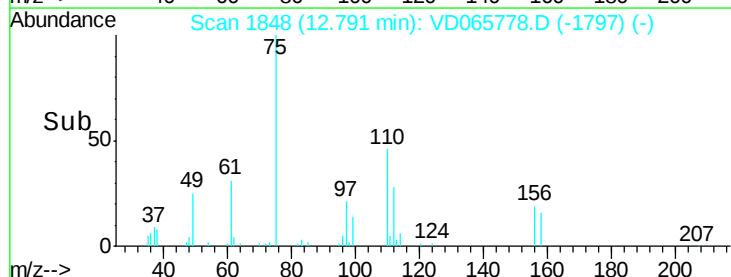
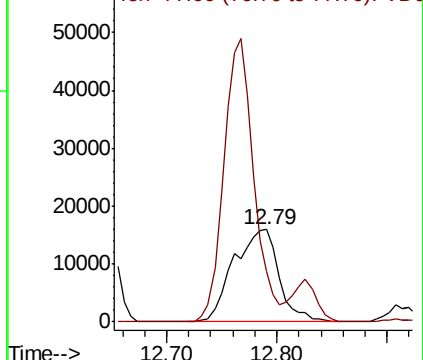
75 100

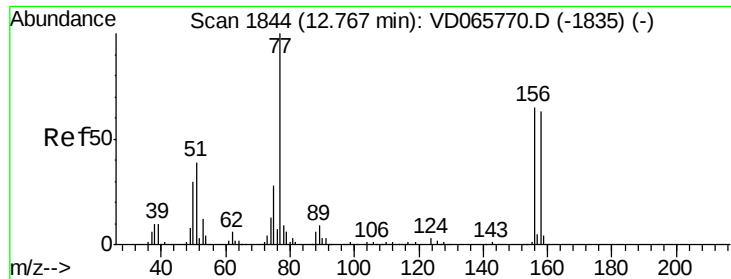
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.596 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

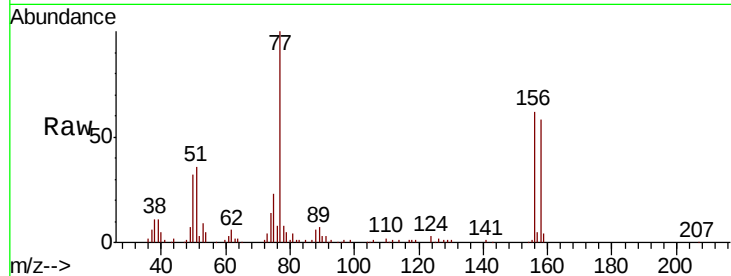
Tot Ion:156 Resp: 51571

Ion Ratio Lower Upper

156 100

77 179.8 87.3 261.8

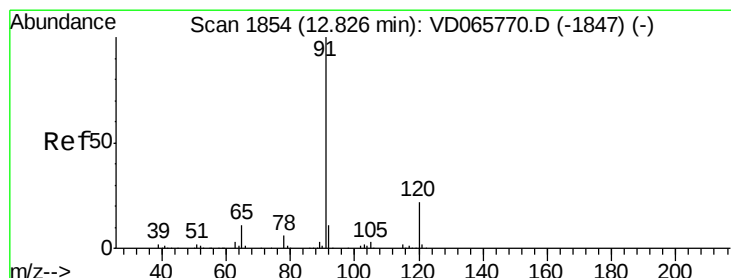
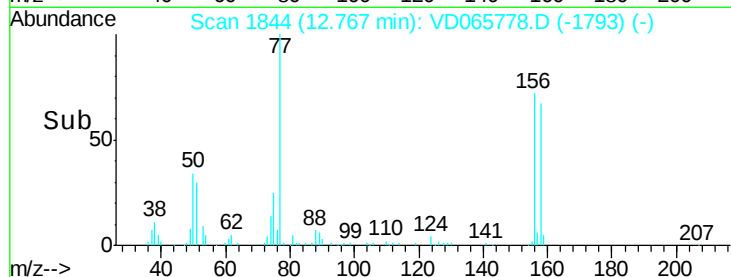
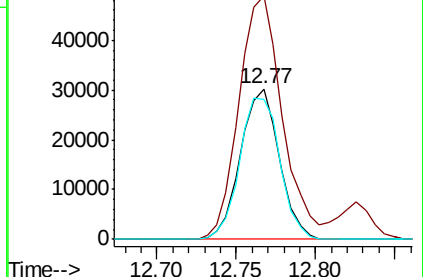
158 97.5 48.0 144.0



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: 21.273 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065778.D

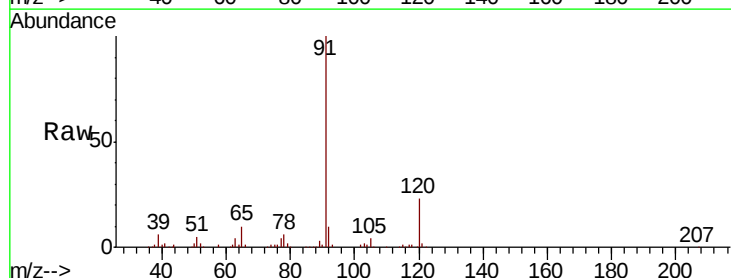
Acq: 08 Jun 2020 14:08

Tgt Ion: 91 Resp: 271000

Ion Ratio Lower Upper

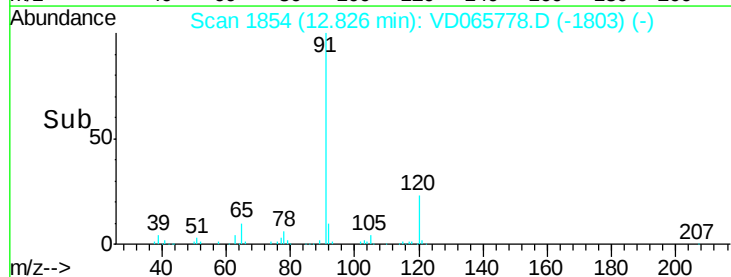
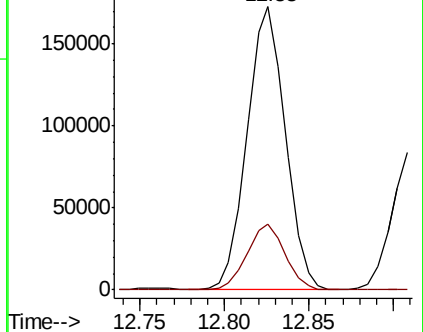
91 100

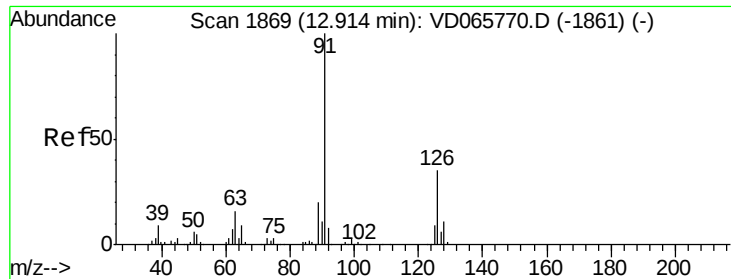
120 23.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.353 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

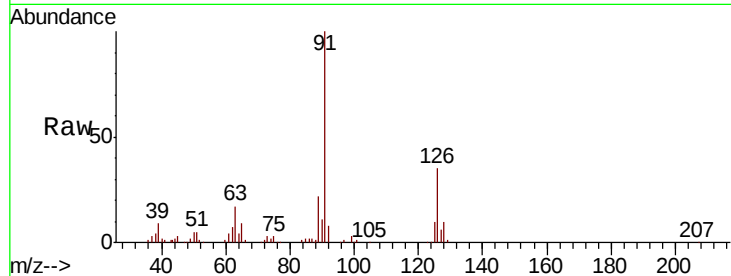
ClientSampleId :

Tot Ion: 91 Resp: 149223

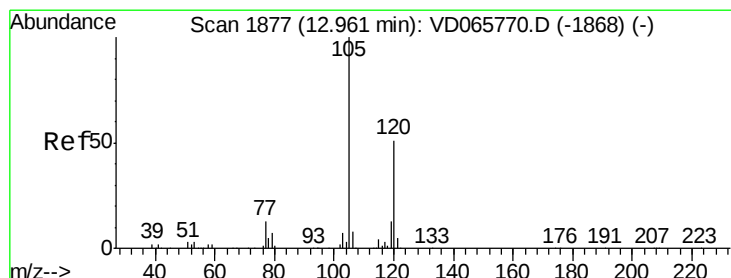
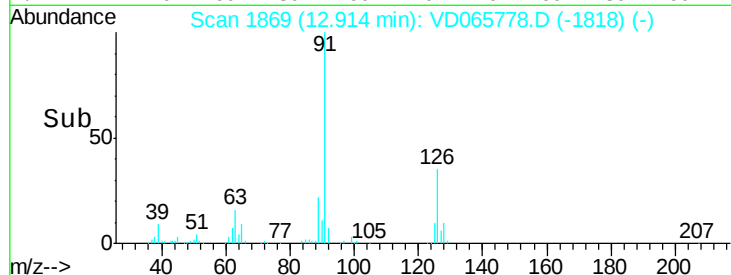
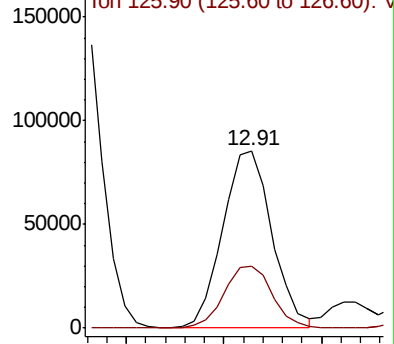
Ion Ratio Lower Upper

91 100

126 34.4 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065778.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.115 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065778.D

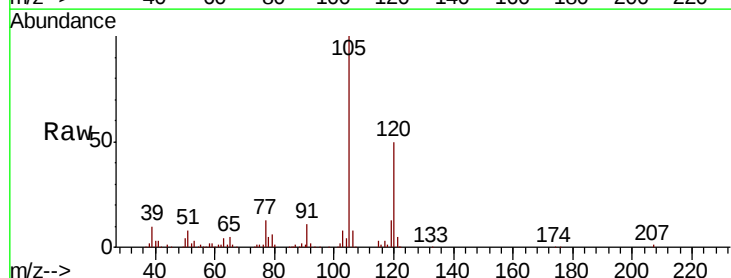
Acq: 08 Jun 2020 14:08

Tgt Ion: 105 Resp: 185957

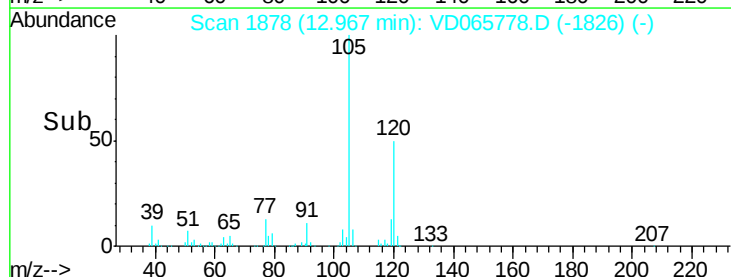
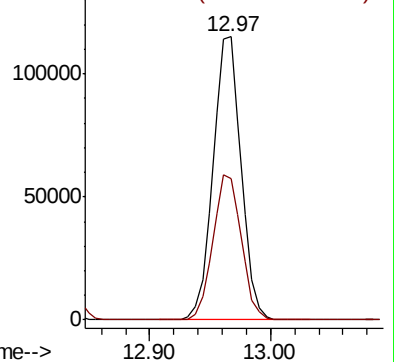
Ion Ratio Lower Upper

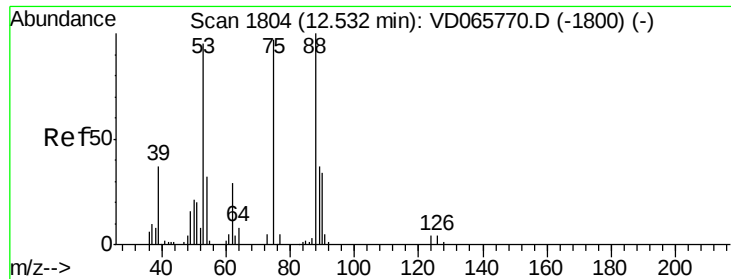
105 100

120 52.1 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065778.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.956 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

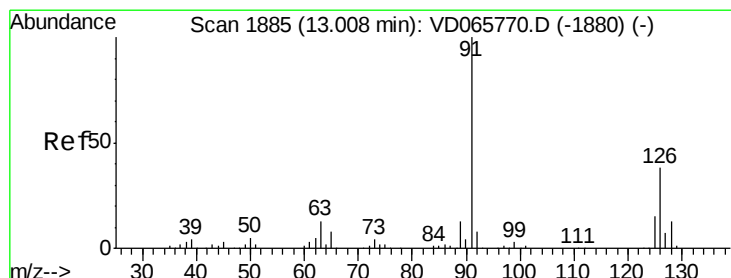
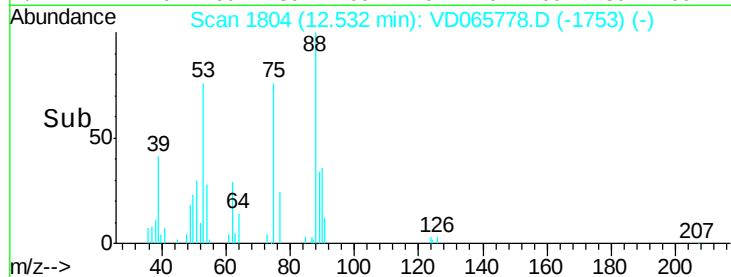
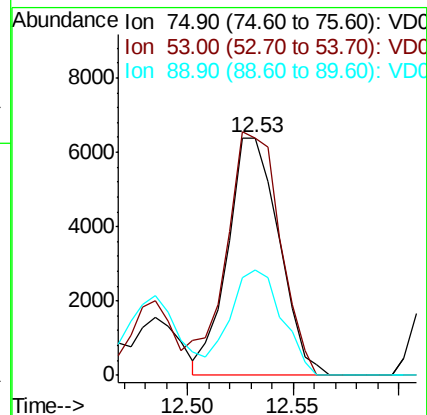
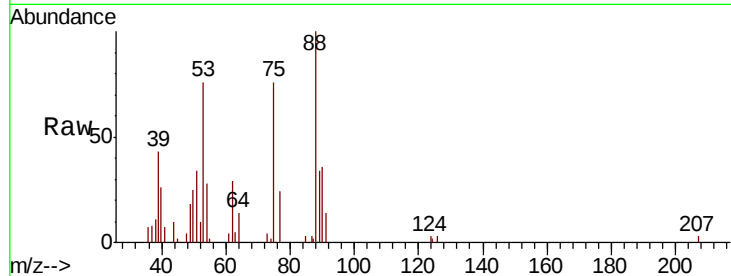
Tot Ion: 75 Resp: 10770

Ion Ratio Lower Upper

75 100

53 108.5 82.6 123.8

89 44.7 35.9 53.9



#82

4-Chlorotoluene

Concen: 21.172 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065778.D

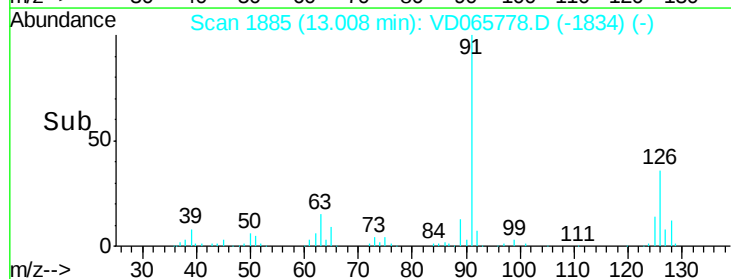
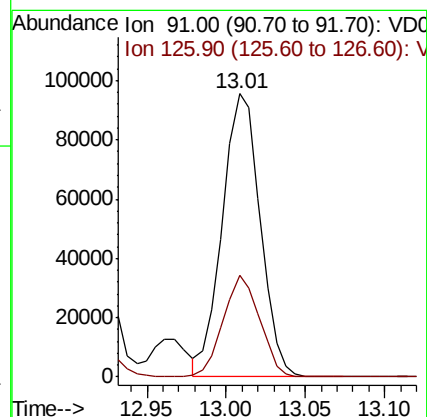
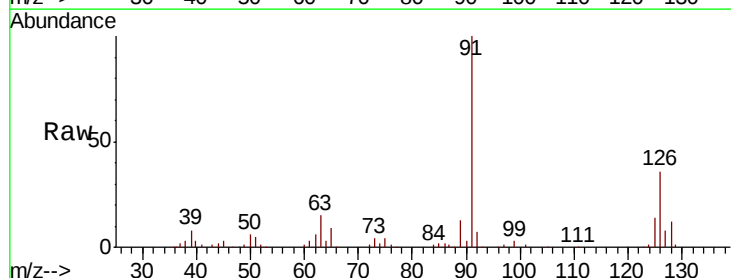
Acq: 08 Jun 2020 14:08

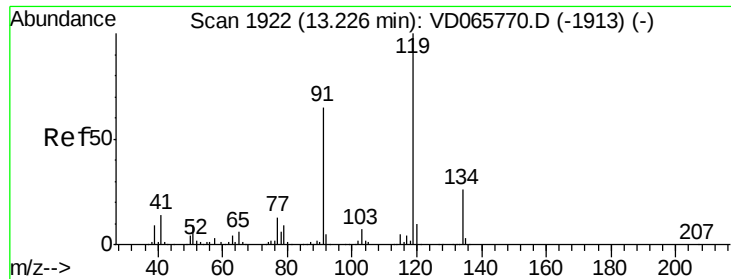
Tgt Ion: 91 Resp: 158818

Ion Ratio Lower Upper

91 100

126 34.5 17.6 52.8

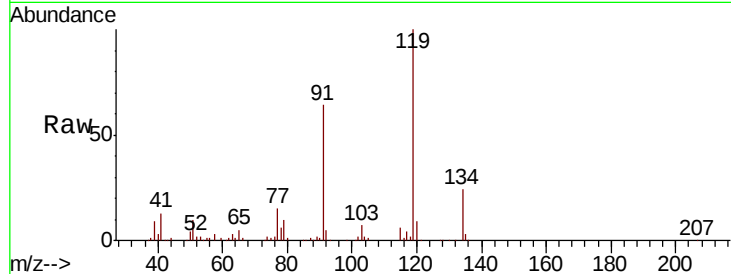




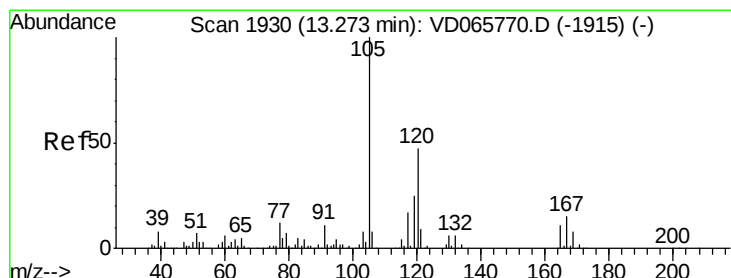
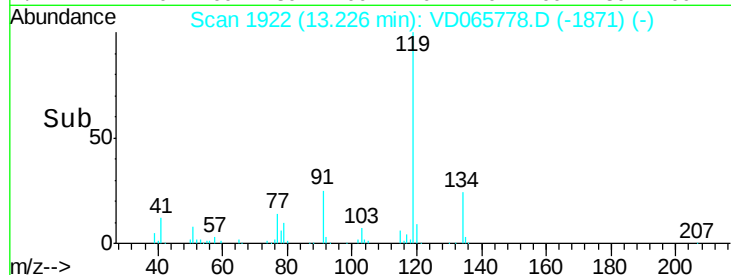
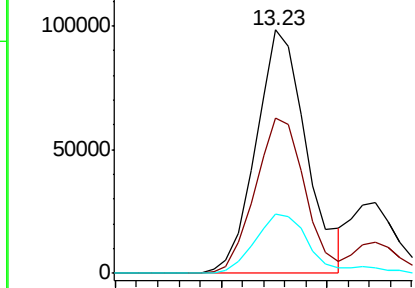
#83
 tert-Butylbenzene
 Concen: 21.367 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 163277
 Ion Ratio Lower Upper
 119 100
 91 62.9 32.0 96.0
 134 27.2 13.8 41.4

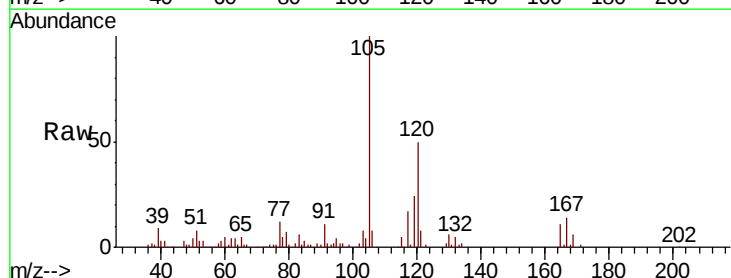


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

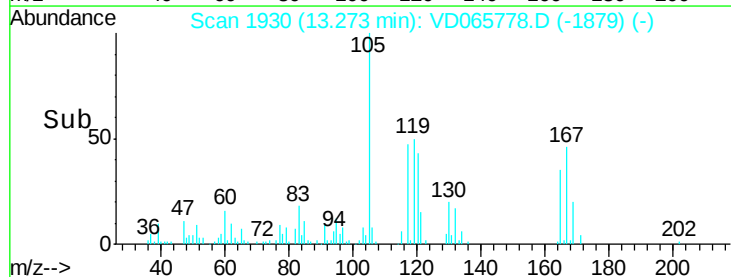
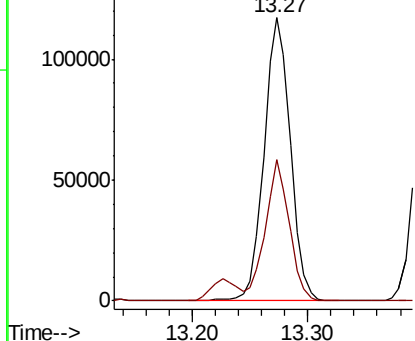


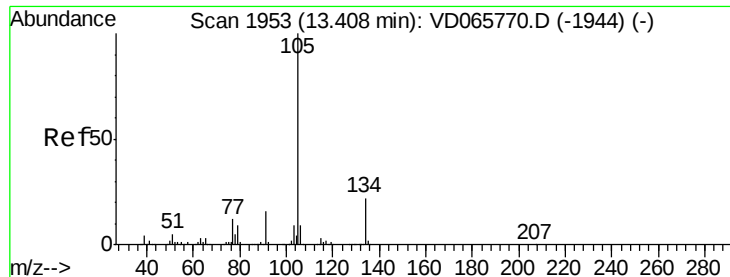
#84
 1,2,4-Trimethylbenzene
 Concen: 21.123 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion:105 Resp: 186198
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.3 69.8



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

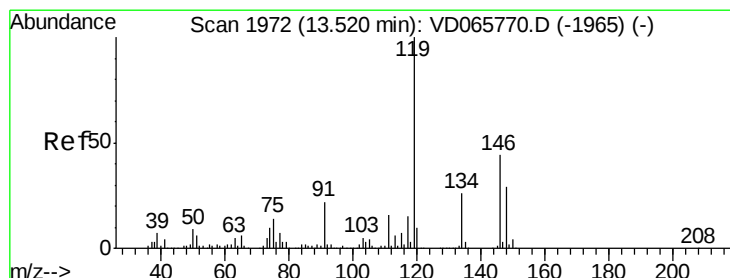
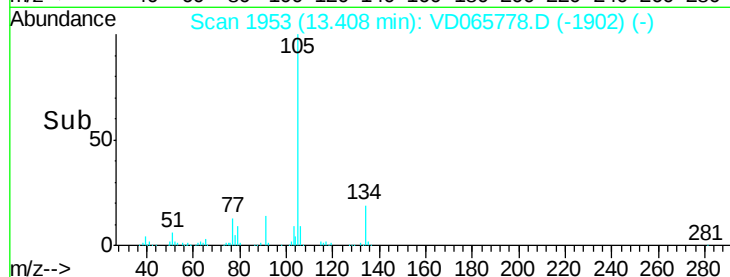
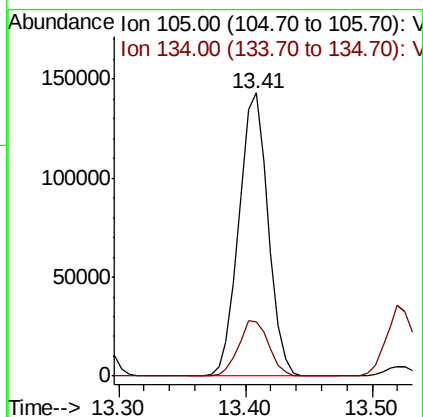
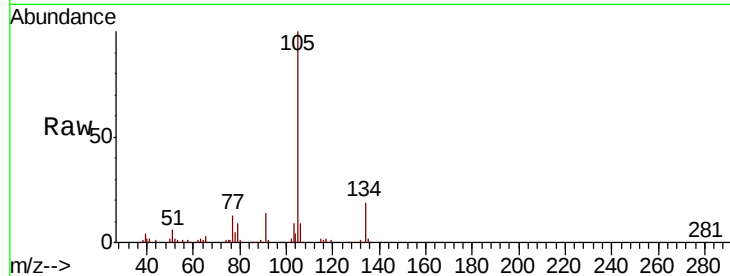




#85
 sec-Butylbenzene
 Concen: 21.393 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

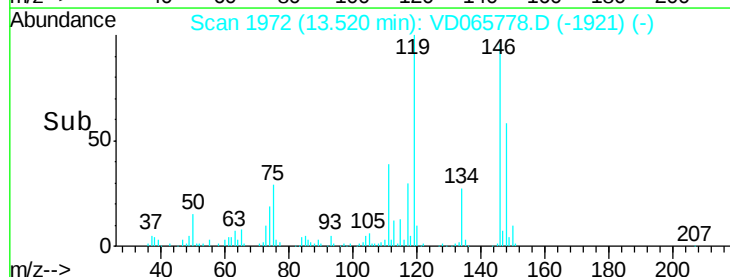
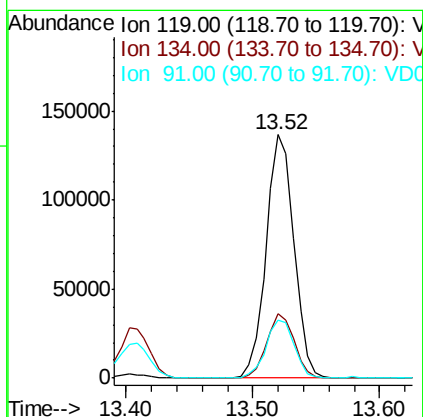
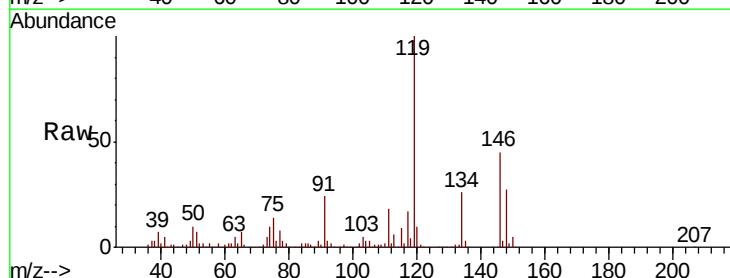
Instrument :
 MSVOA_D
 ClientSampleId :

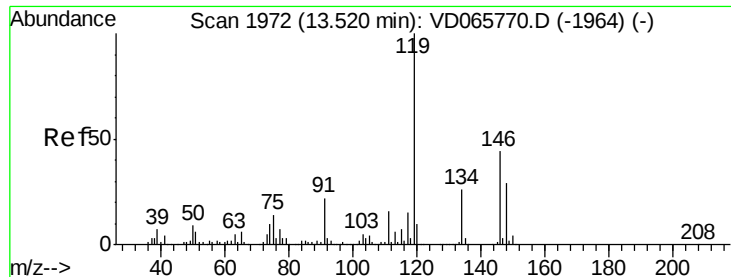
Tot Ion:105 Resp: 227509
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 21.323 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion:119 Resp: 207842
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.9
 91 24.5 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 20.730 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

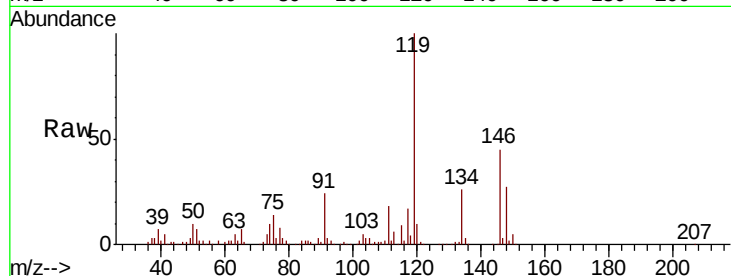
Tot Ion:146 Resp: 102349

Ion Ratio Lower Upper

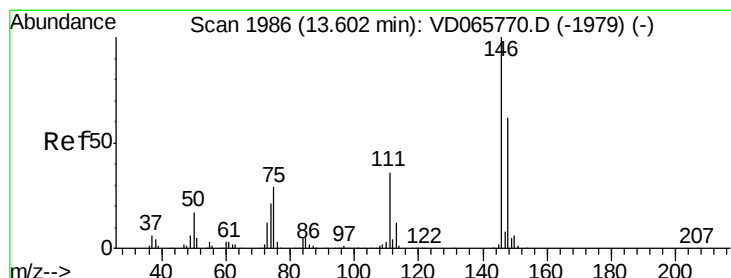
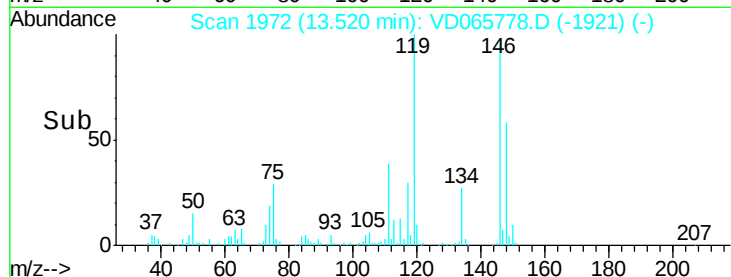
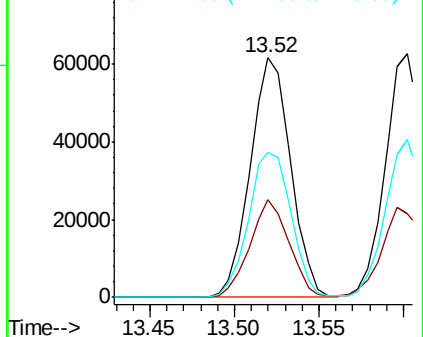
146 100

111 39.6 19.2 57.6

148 64.0 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 20.697 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

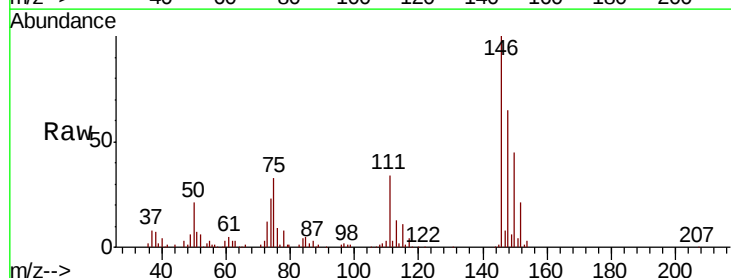
Tgt Ion:146 Resp: 101648

Ion Ratio Lower Upper

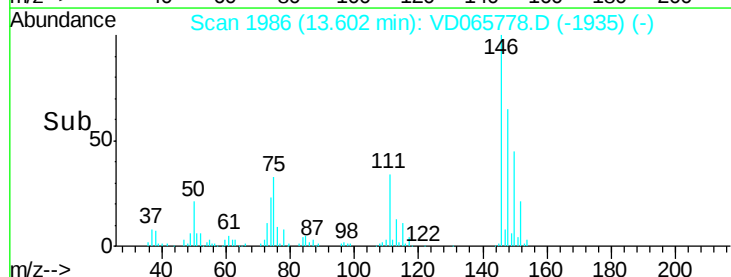
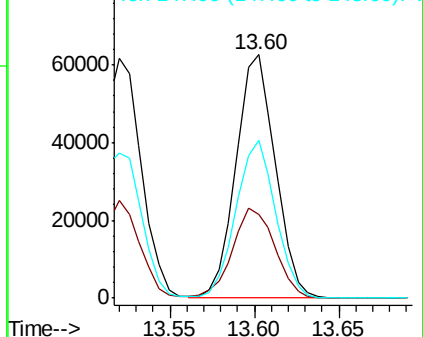
146 100

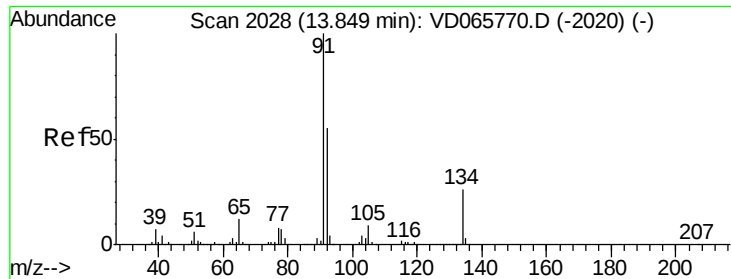
111 39.9 18.9 56.7

148 65.4 31.6 94.7



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

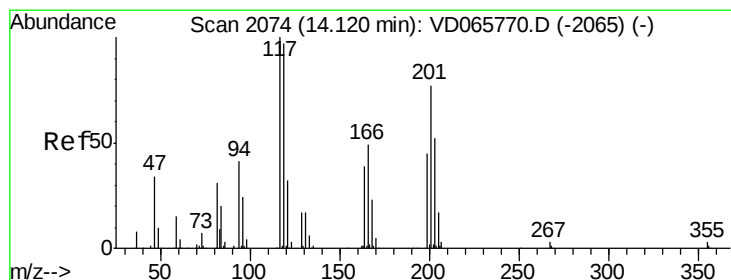
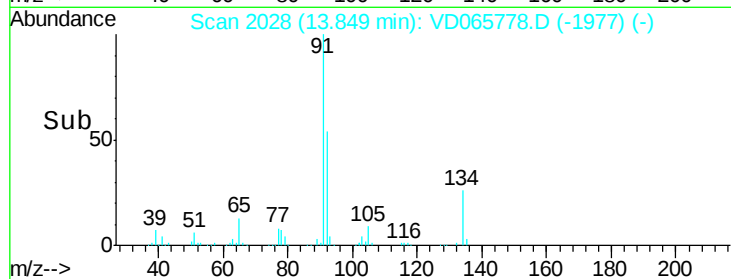
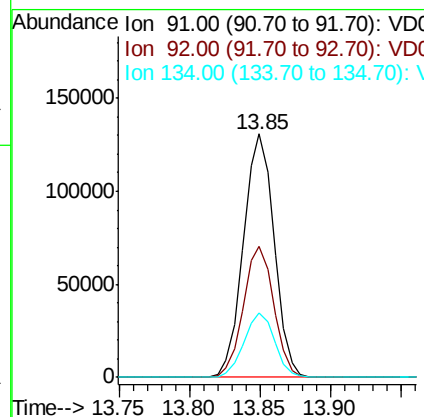
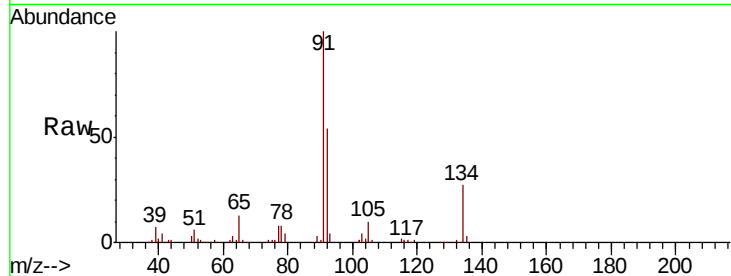




#89
n-Butylbenzene
Concen: 21.445 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

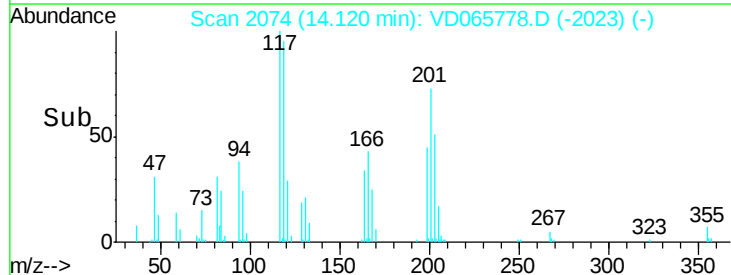
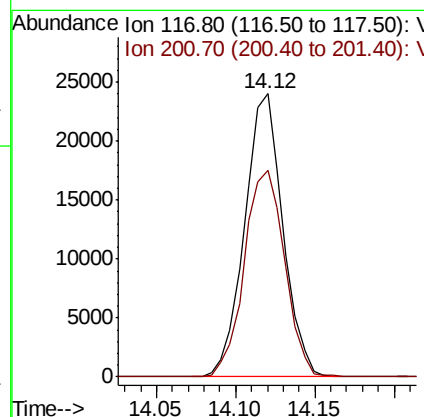
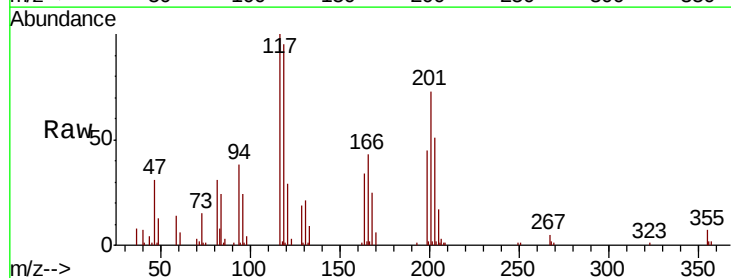
Instrument :
MSVOA_D
ClientSampleId :

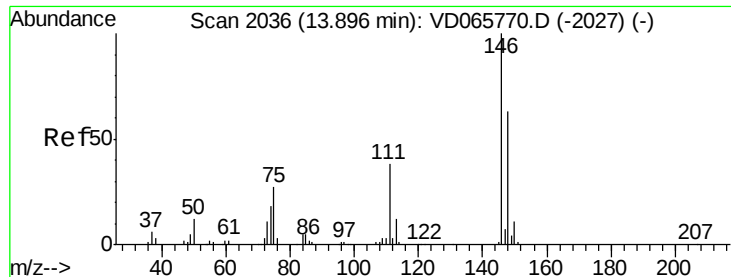
Tot Ion: 91 Resp: 199357
Ion Ratio Lower Upper
91 100
92 53.1 27.0 81.0
134 26.5 13.0 39.0



#90
Hexachloroethane
Concen: 20.580 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 117 Resp: 40153
Ion Ratio Lower Upper
117 100
201 77.4 37.1 111.5





#91

1,2-Dichlorobenzene

Concen: 20.772 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

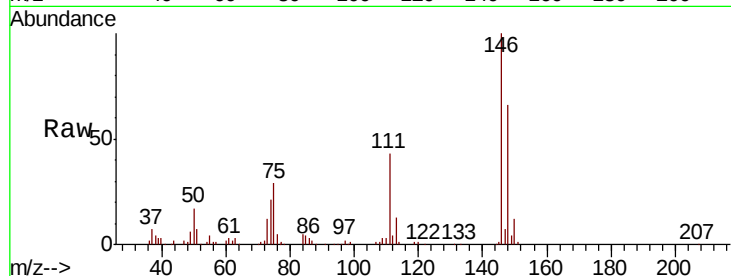
Tot Ion:146 Resp: 88259

Ion Ratio Lower Upper

146 100

111 39.7 19.8 59.4

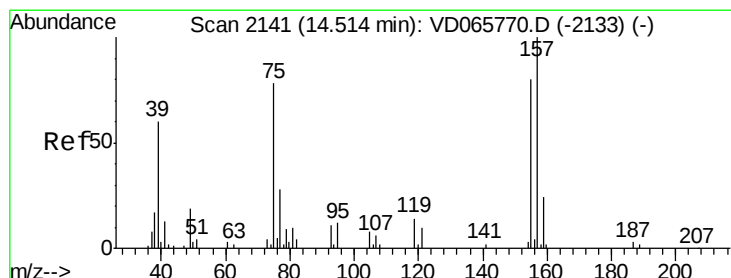
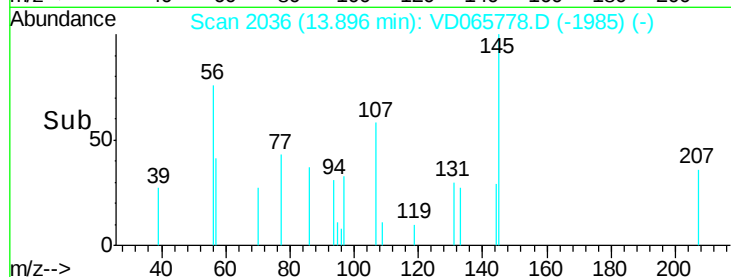
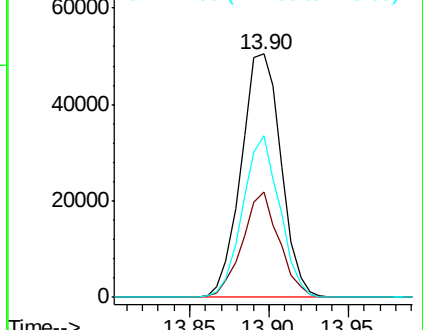
148 61.4 31.9 95.7



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: 18.487 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

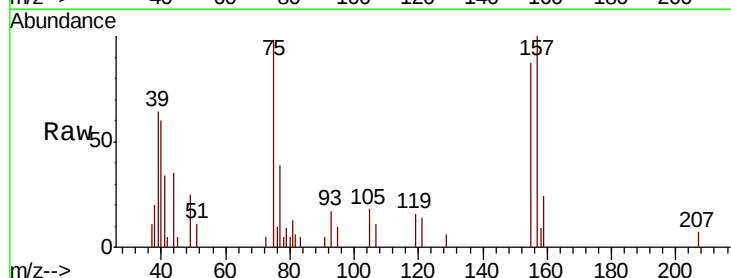
Tgt Ion: 75 Resp: 5499

Ion Ratio Lower Upper

75 100

155 89.7 46.3 138.9

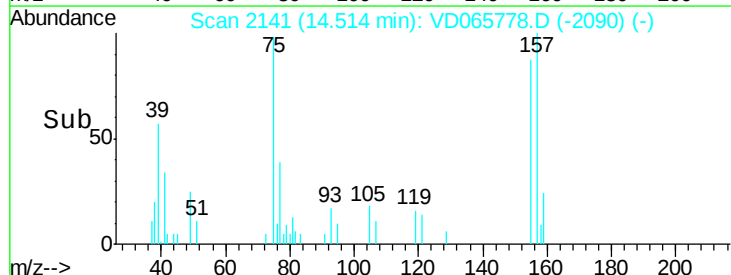
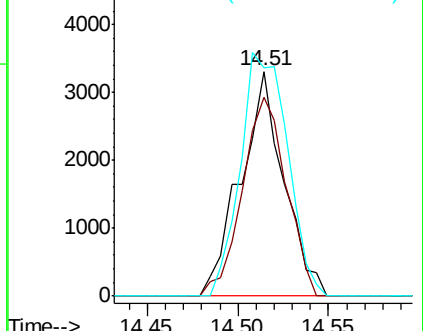
157 118.0 58.1 174.3

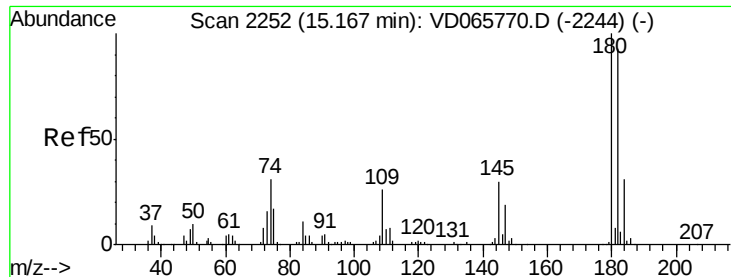


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

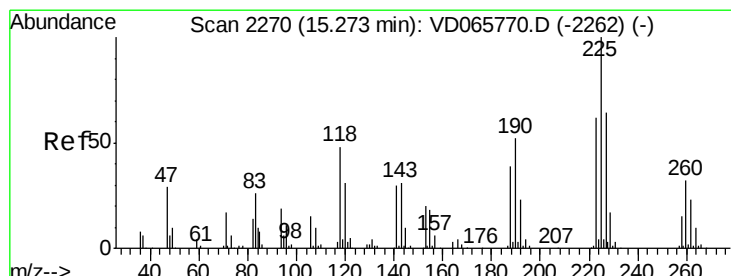
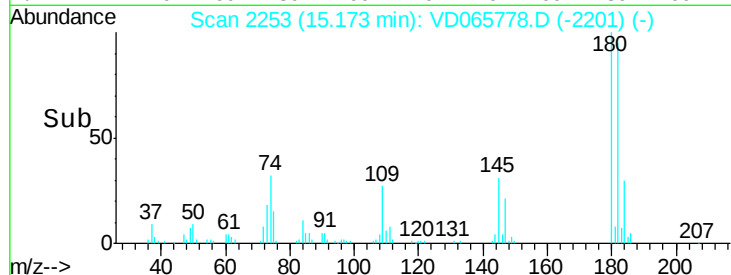
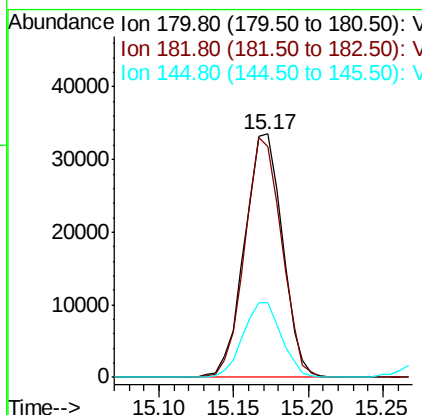
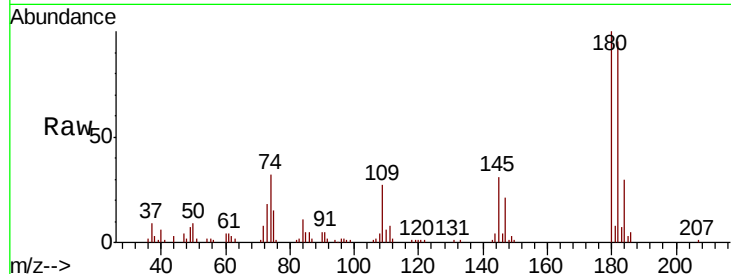




#93
 1,2,4-Trichlorobenzene
 Concen: 20.358 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

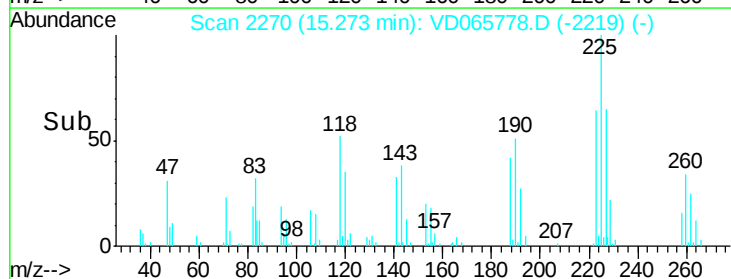
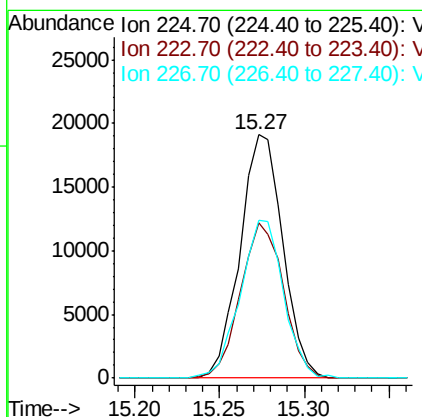
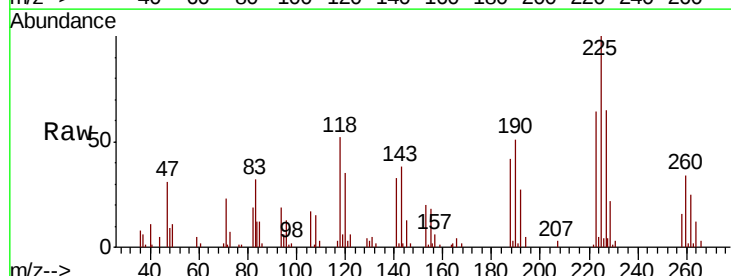
Instrument :
 MSVOA_D
 ClientSampleId :

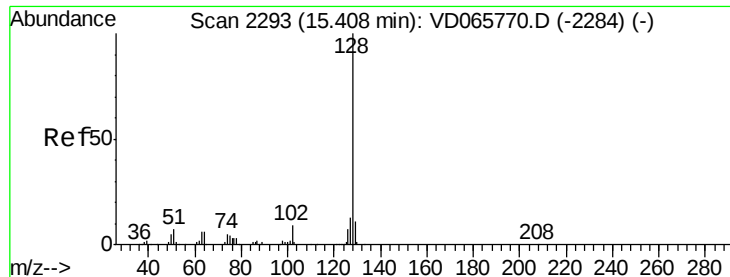
Tot Ion:180 Resp: 58816
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.0 144.2
 145 31.1 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 19.286 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion:225 Resp: 33683
 Ion Ratio Lower Upper
 225 100
 223 64.0 30.9 92.7
 227 65.6 31.9 95.7





#95

Naphthalene

Concen: 19.953 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

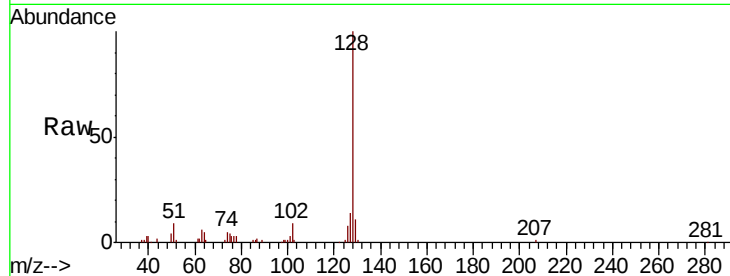
Tot Ion:128 Resp: 97646

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

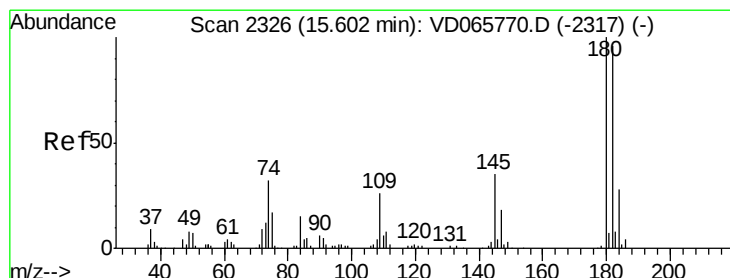
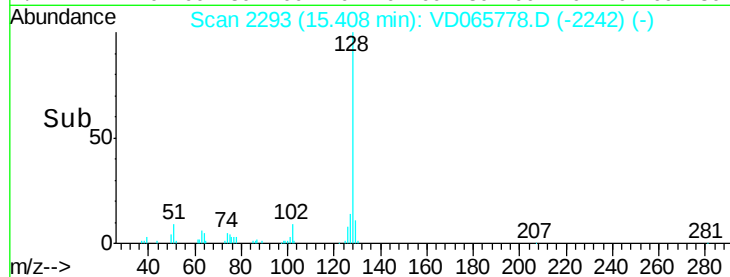
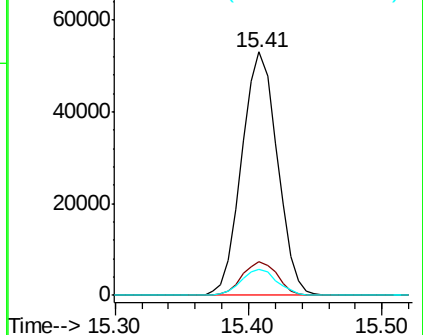
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.410 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

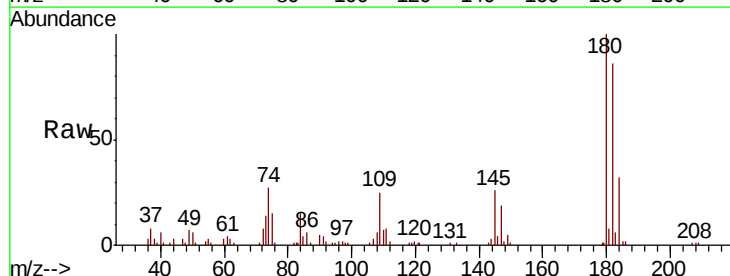
Tgt Ion:180 Resp: 50785

Ion Ratio Lower Upper

180 100

182 93.6 47.0 141.2

145 30.9 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

