

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060820\
 Data File : VD065777.D
 Acq On : 08 Jun 2020 13:41
 Operator : VA/SY
 Sample : VD0608SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Quant Time: Jun 09 06:22:14 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	216676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	340896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	310655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155444	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	115538	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	7.91	113	111462	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.34	98	429844	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.64	95	143211	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	38027	24.046	ug/l	97
3) Chloromethane	2.21	50	63864	23.242	ug/l	98
4) Vinyl Chloride	2.35	62	69518	21.746	ug/l	99
5) Bromomethane	2.76	94	47620	21.300	ug/l	94
6) Chloroethane	2.92	64	47710	22.072	ug/l	98
7) Trichlorofluoromethane	3.27	101	84407	23.305	ug/l	93
8) Diethyl Ether	3.71	74	19789	20.782	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	48651	22.527	ug/l	98
10) Methyl Iodide	4.30	142	42291	20.109	ug/l	98
11) Tert butyl alcohol	5.20	59	17056	124.220	ug/l #	82
12) 1,1-Dichloroethene	4.07	96	42803	21.745	ug/l	96
13) Acrolein	3.92	56	12925	107.476	ug/l	92
14) Allyl chloride	4.71	41	69062	21.228	ug/l	98
15) Acrylonitrile	5.43	53	46414	107.317	ug/l	96
16) Acetone	4.15	43	42636	105.568	ug/l	93
17) Carbon Disulfide	4.40	76	144625	21.891	ug/l	99
18) Methyl Acetate	4.72	43	19573	19.253	ug/l #	83
19) Methyl tert-butyl Ether	5.47	73	92519	20.751	ug/l	94
20) Methylene Chloride	4.96	84	54097	22.802	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	49475	21.462	ug/l	98
22) Diisopropyl ether	6.36	45	141656	21.550	ug/l	97
23) Vinyl Acetate	6.30	43	399516	107.629	ug/l	95
24) 1,1-Dichloroethane	6.26	63	85229	21.279	ug/l	99
25) 2-Butanone	7.21	43	58031	104.041	ug/l	92
26) 2,2-Dichloropropane	7.21	77	77494	21.821	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	52550	21.192	ug/l	98
28) Bromochloromethane	7.54	49	31880	20.609	ug/l	99
29) Tetrahydrofuran	7.56	42	35974	102.048	ug/l	98
30) Chloroform	7.71	83	87940	21.183	ug/l	95
31) Cyclohexane	7.98	56	84536	22.016	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	80510	21.091	ug/l	98
36) 1,1-Dichloropropene	8.11	75	70524	21.596	ug/l	98
37) Ethyl Acetate	7.29	43	26086	20.280	ug/l	96
38) Carbon Tetrachloride	8.10	117	75493	21.967	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	83208	21.521	ug/l	99
40) Benzene	8.35	78	189765	21.257	ug/l	99
41) Methacrylonitrile	7.56	41	37436	48.879	ug/l #	44
42) 1,2-Dichloroethane	8.43	62	56630	21.024	ug/l	99
43) Isopropyl Acetate	8.45	43	51373	20.085	ug/l	99
44) Trichloroethene	9.11	130	54478	21.928	ug/l	97
45) 1,2-Dichloropropane	9.39	63	46946	20.929	ug/l	98
46) Dibromomethane	9.48	93	25911	21.298	ug/l	97
47) Bromodichloromethane	9.66	83	68605	21.044	ug/l	97
48) Methyl methacrylate	9.46	41	27364	22.102	ug/l	98
49) 1,4-Dioxane	9.47	88	5115	395.013	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	130526	104.144	ug/l	98
52) Toluene	10.40	92	124122	21.398	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	60771	20.586	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	74386	21.335	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	34023	20.930	ug/l	97
56) Ethyl methacrylate	10.67	69	39011	20.404	ug/l	98
57) 1,3-Dichloropropane	10.95	76	59348	21.074	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	90210	101.485	ug/l	99
59) 2-Hexanone	10.99	43	89563	105.995	ug/l	97
60) Dibromochloromethane	11.14	129	47026	21.415	ug/l	96
61) 1,2-Dibromoethane	11.25	107	32921	20.608	ug/l	99
64) Tetrachloroethene	10.88	164	43997	20.944	ug/l	97
65) Chlorobenzene	11.67	112	132733	21.886	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	47886	21.182	ug/l	98
67) Ethyl Benzene	11.75	91	237242	21.898	ug/l	99
68) m/p-Xylenes	11.86	106	180450	43.241	ug/l	100
69) o-Xylene	12.18	106	82108	21.822	ug/l	99
70) Styrene	12.20	104	141859	21.779	ug/l	99
71) Bromoform	12.36	173	25980	20.870	ug/l #	99
73) Isopropylbenzene	12.48	105	225861	21.672	ug/l	99
74) N-amyl acetate	12.29	43	46732	20.155	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	35643	20.251	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	47842	39.574	ug/l #	100
77) Bromobenzene	12.77	156	54768	22.211	ug/l	97
78) n-propylbenzene	12.83	91	274357	21.870	ug/l	99
79) 2-Chlorotoluene	12.91	91	150026	21.800	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	188064	21.684	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11506	20.564	ug/l	94
82) 4-Chlorotoluene	13.01	91	161951	21.924	ug/l	98
83) tert-Butylbenzene	13.23	119	163641	21.745	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	188431	21.707	ug/l	98
85) sec-Butylbenzene	13.41	105	228978	21.864	ug/l	98
86) p-Isopropyltoluene	13.52	119	208734	21.746	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	103699	21.328	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	103297	21.358	ug/l	98
89) n-Butylbenzene	13.85	91	199525	21.795	ug/l	99
90) Hexachloroethane	14.12	117	41736	21.722	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	90318	21.585	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6065	20.705	ug/l	91

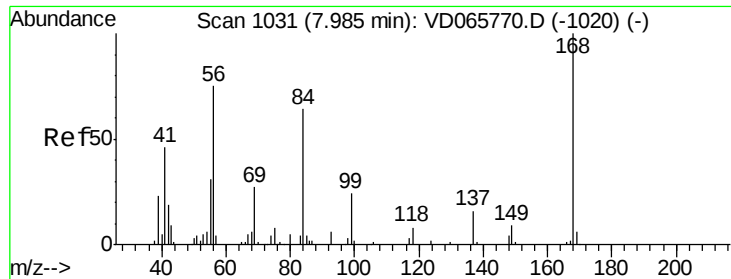
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060820\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	61656	21.671	ug/l	97
94) Hexachlorobutadiene	15.28	225	34876	20.278	ug/l	99
95) Naphthalene	15.41	128	101624	21.088	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	51611	21.063	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: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

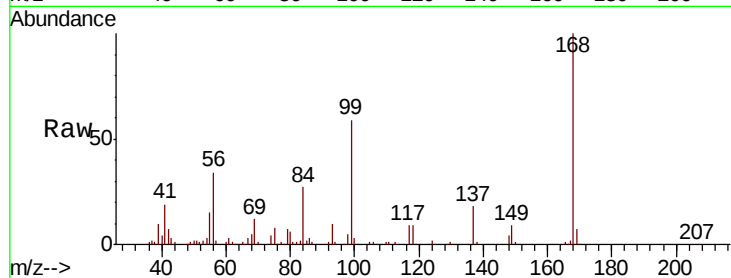
VD0608SBS01

Tot Ion:168 Resp: 216676

Ion Ratio Lower Upper

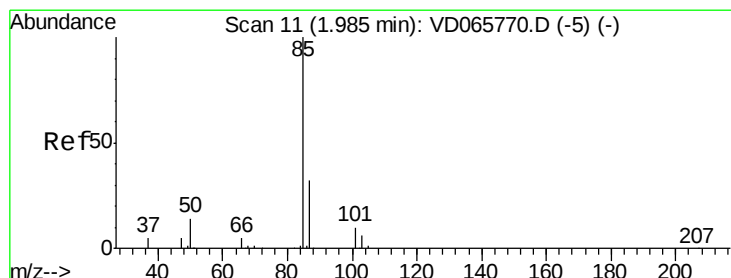
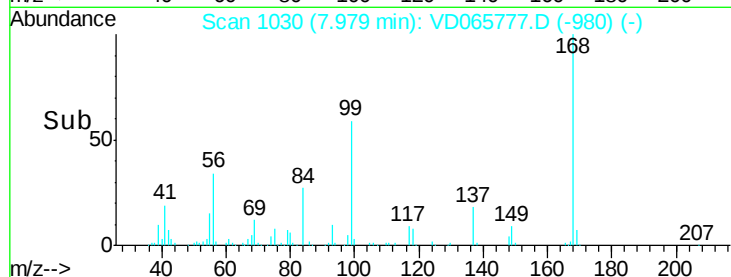
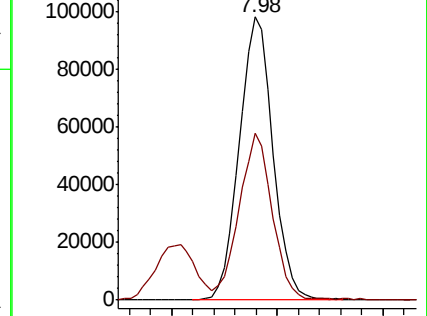
168 100

99 58.5 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 24.046 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065777.D

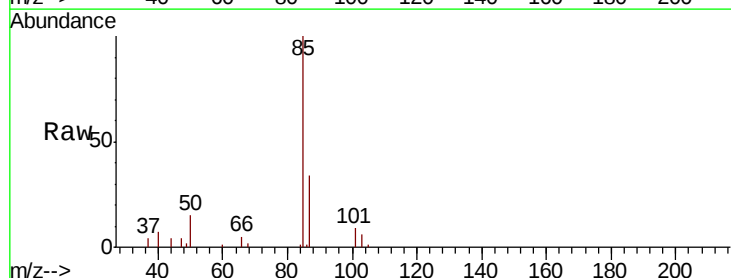
Acq: 08 Jun 2020 13:41

Tgt Ion: 85 Resp: 38027

Ion Ratio Lower Upper

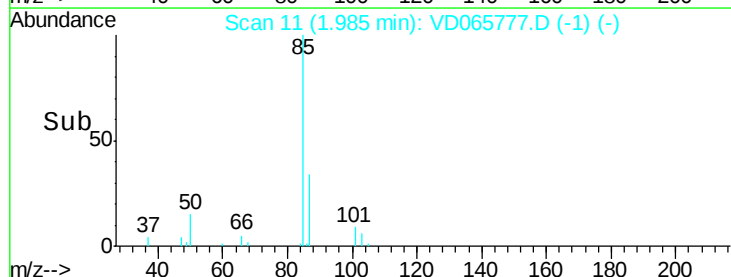
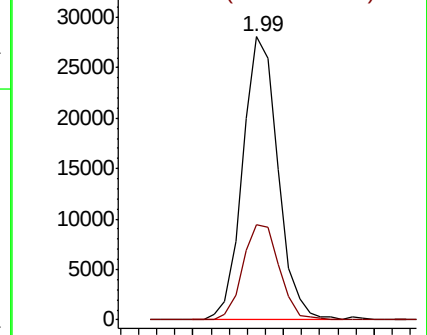
85 100

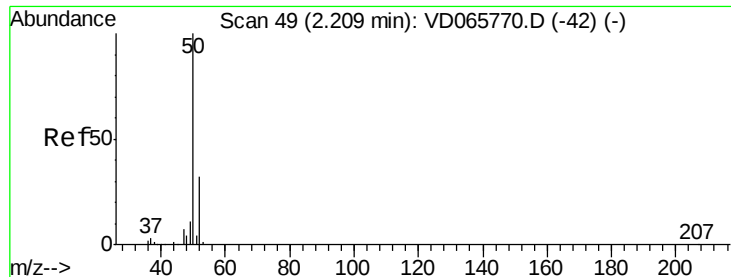
87 33.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.242 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

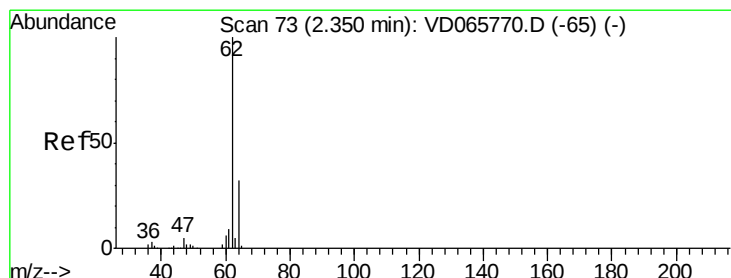
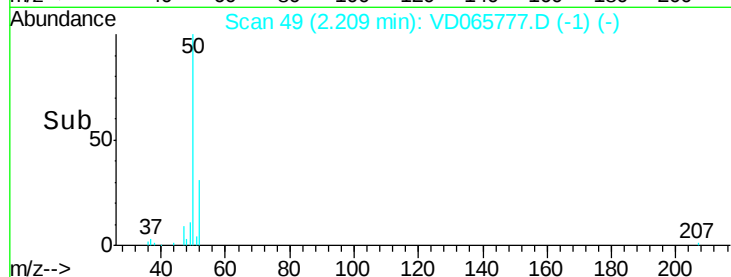
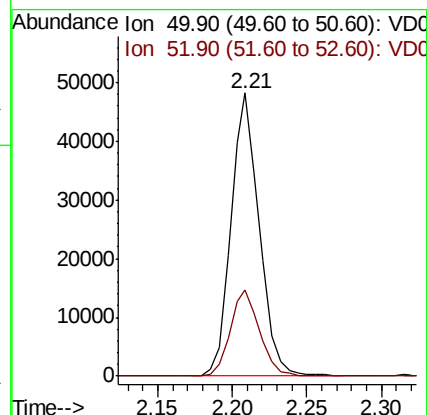
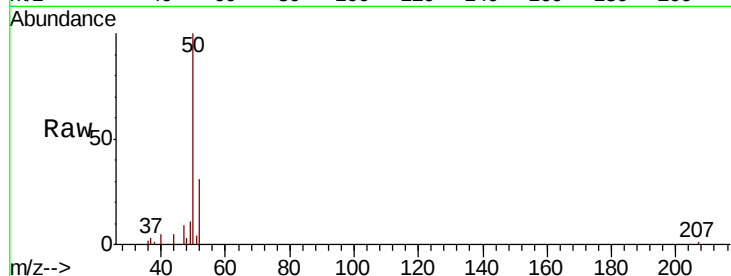
VD0608SBS01

Tot Ion: 50 Resp: 63864

Ion Ratio Lower Upper

50 100

52 30.6 25.6 38.4



#4

Vinyl Chloride

Concen: 21.746 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065777.D

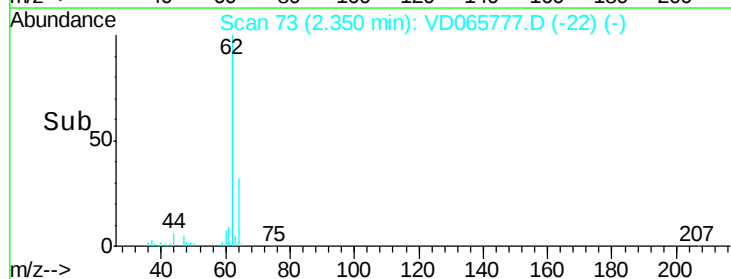
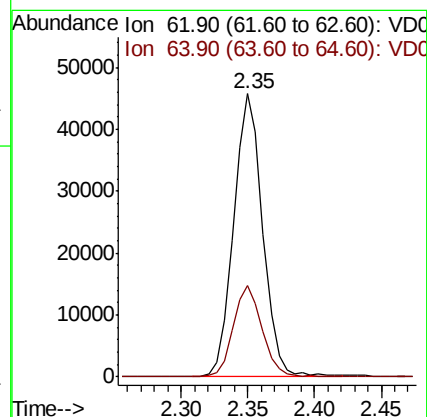
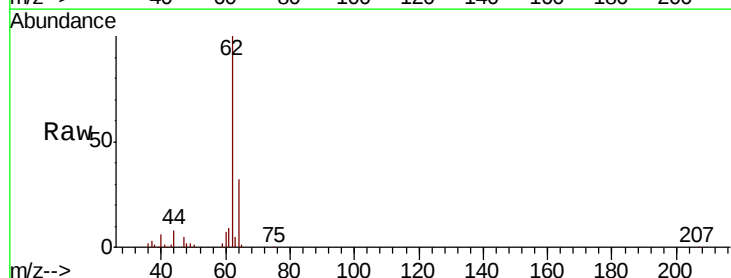
Acq: 08 Jun 2020 13:41

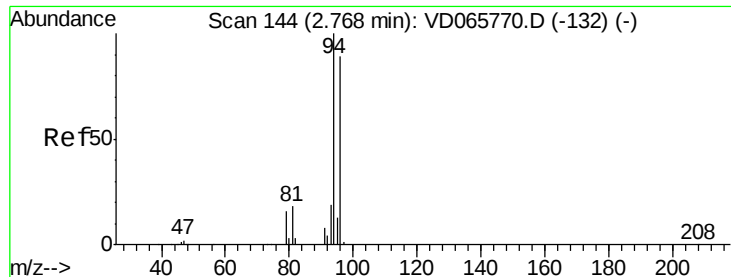
Tgt Ion: 62 Resp: 69518

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 21.300 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

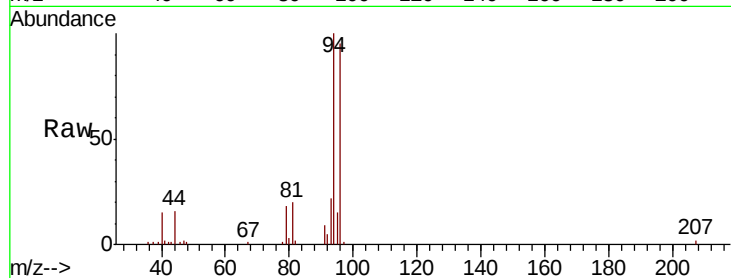
VD0608SBS01

Tot Ion: 94 Resp: 47620

Ion Ratio Lower Upper

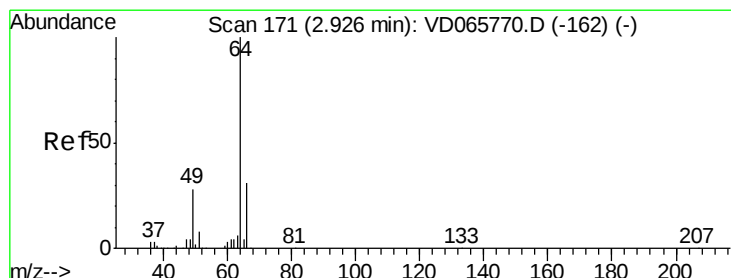
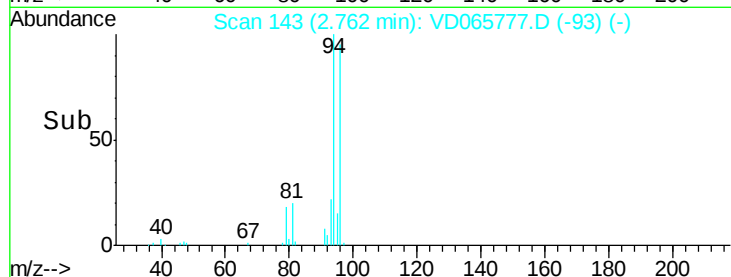
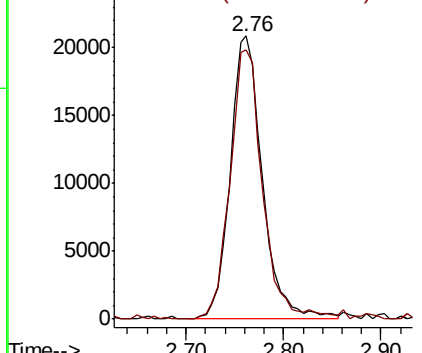
94 100

96 95.1 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.072 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065777.D

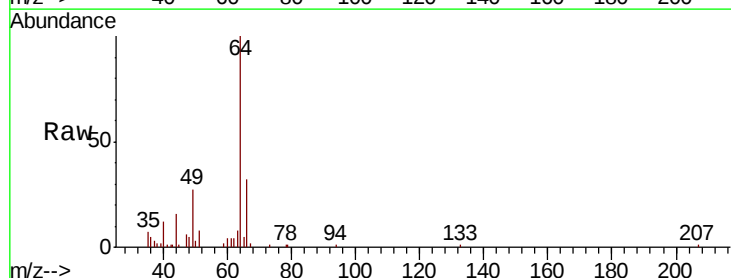
Acq: 08 Jun 2020 13:41

Tgt Ion: 64 Resp: 47710

Ion Ratio Lower Upper

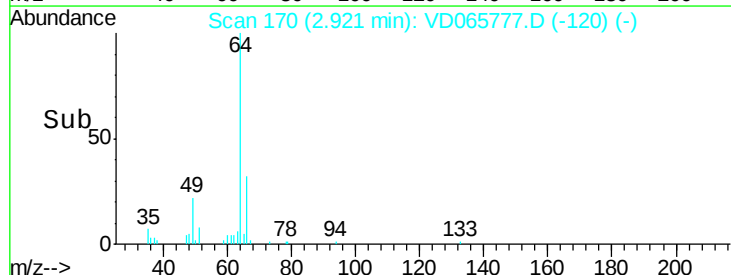
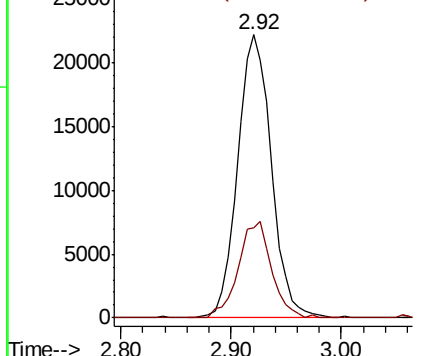
64 100

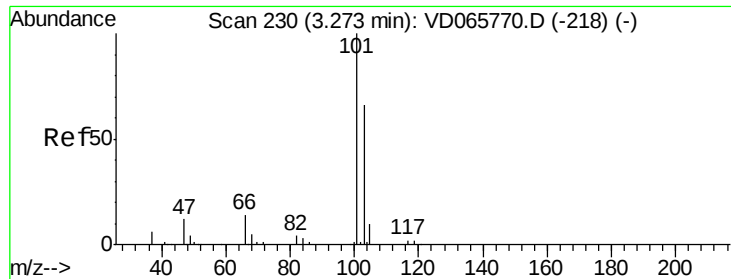
66 31.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



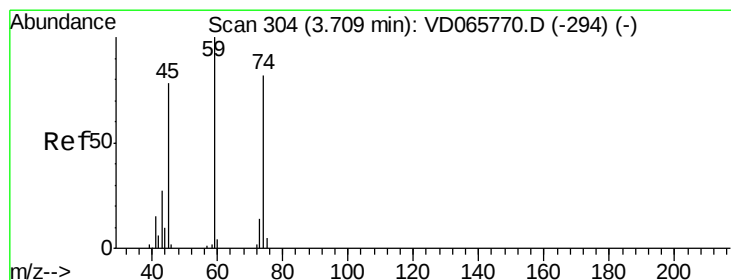
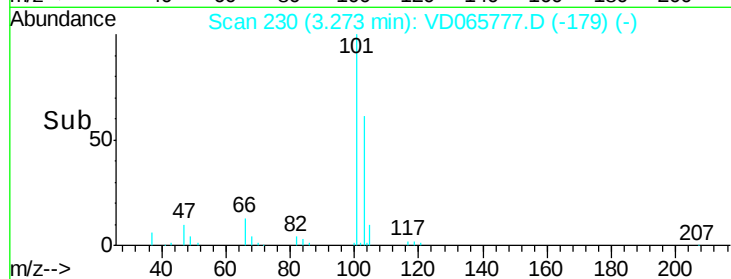
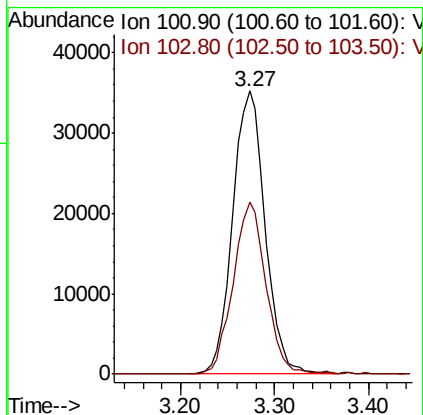
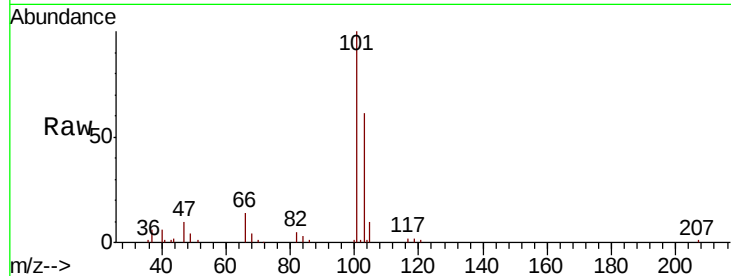


#7

Trichlorofluoromethane
 Concen: 23.305 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

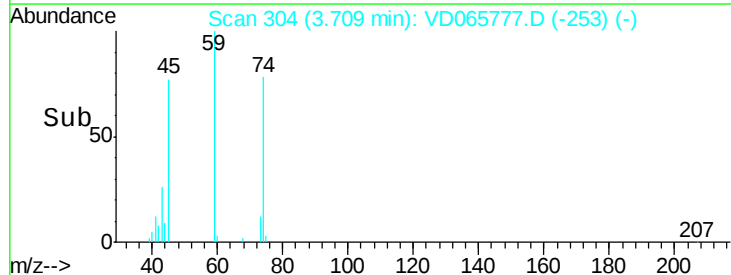
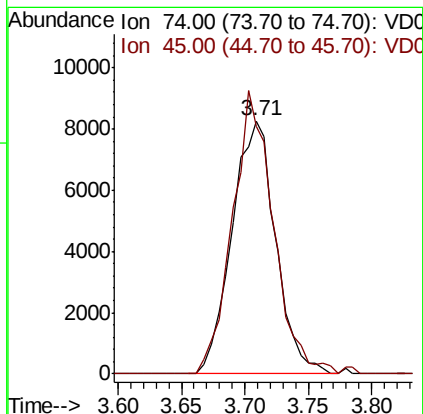
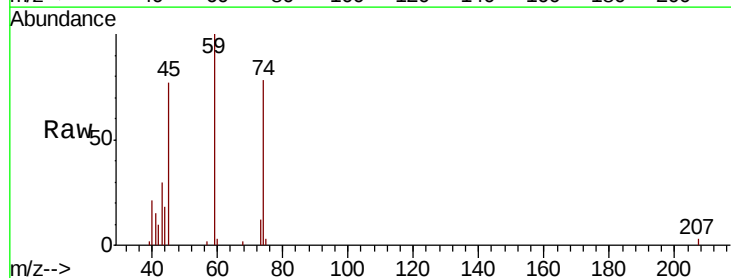
Tot Ion:101 Resp: 84407
 Ion Ratio Lower Upper
 101 100
 103 60.8 53.1 79.7

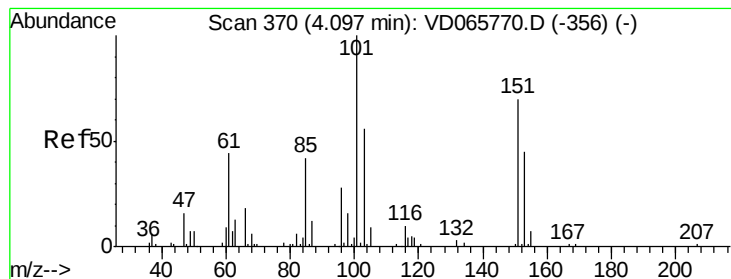


#8

Diethyl Ether
 Concen: 20.782 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Tgt Ion: 74 Resp: 19789
 Ion Ratio Lower Upper
 74 100
 45 104.5 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.527 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

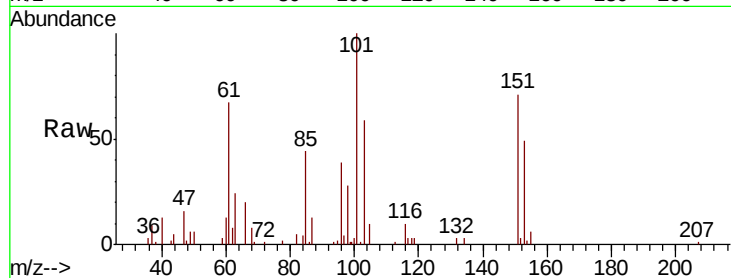
Tot Ion:101 Resp: 48651

Ion Ratio Lower Upper

101 100

85 45.4 36.5 54.7

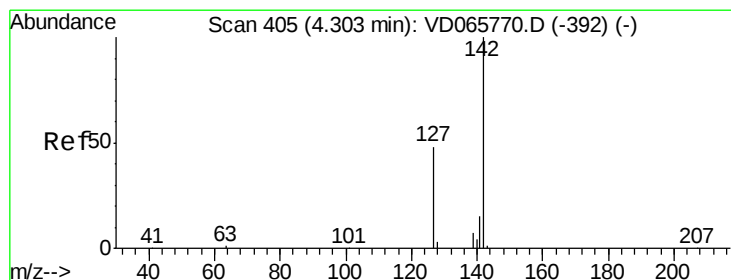
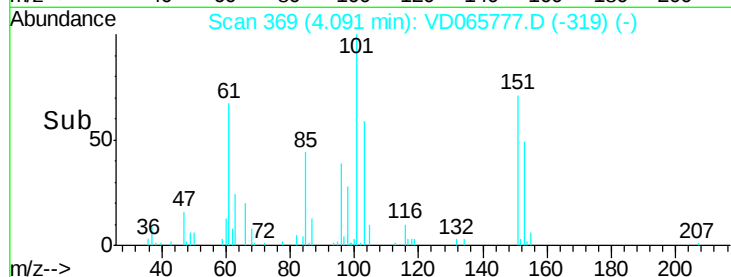
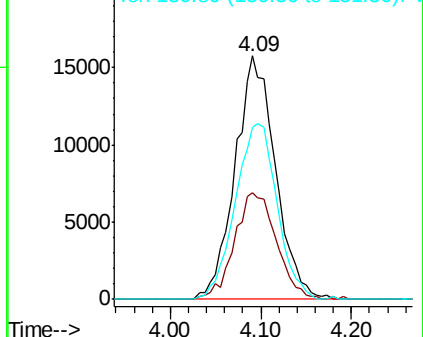
151 74.7 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.109 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

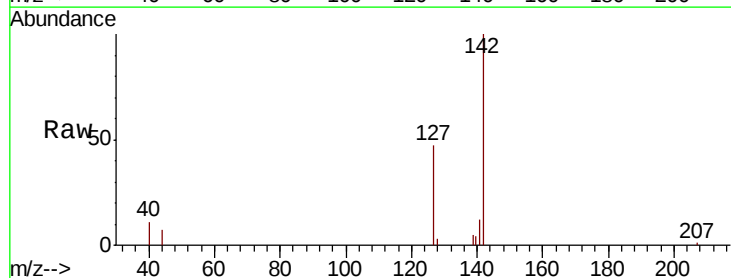
Tgt Ion:142 Resp: 42291

Ion Ratio Lower Upper

142 100

127 48.7 37.6 56.4

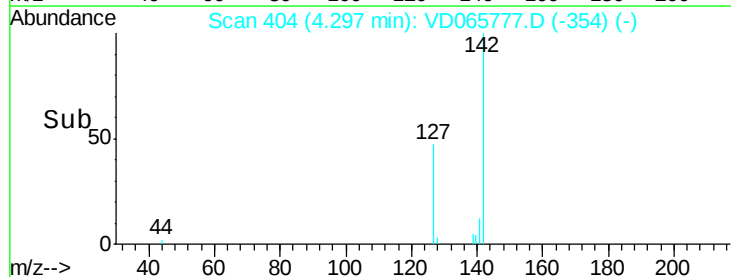
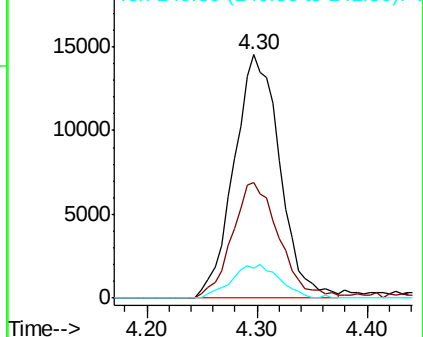
141 14.4 12.1 18.1

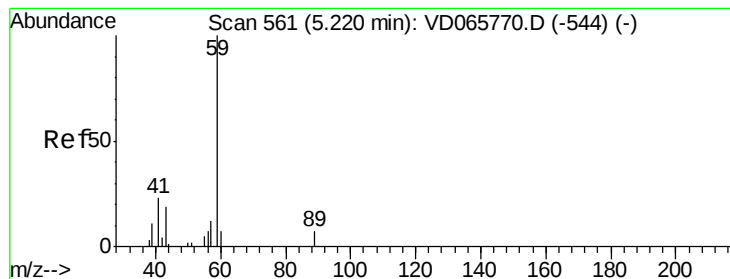


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



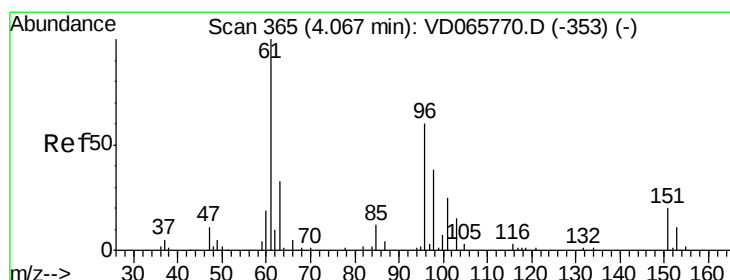
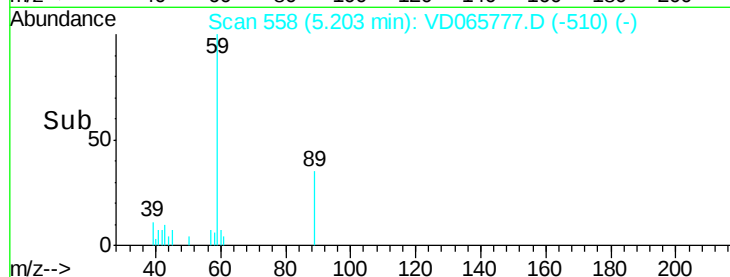
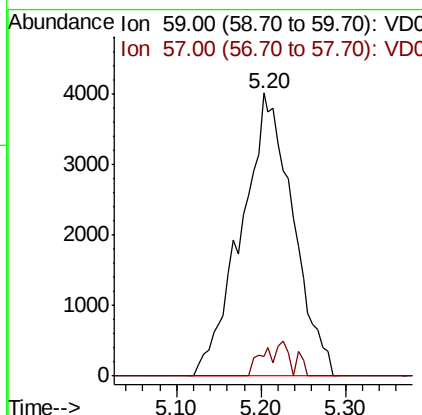
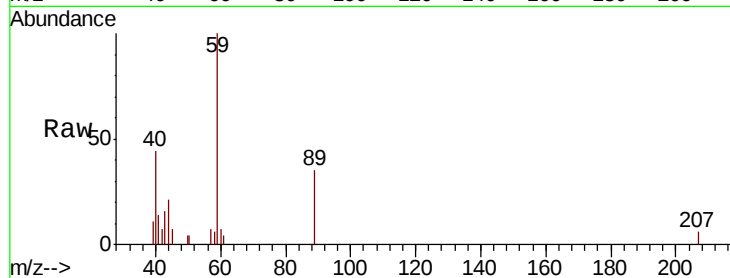


#11

Tert butyl alcohol
 Concen: 124.220 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

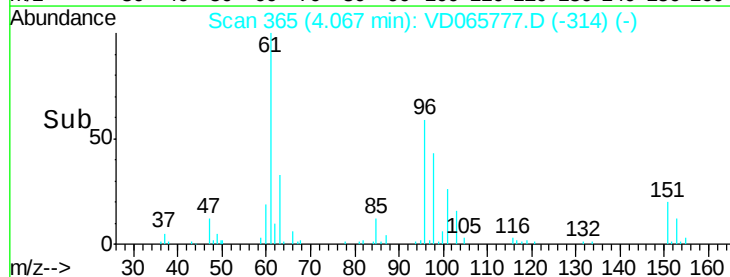
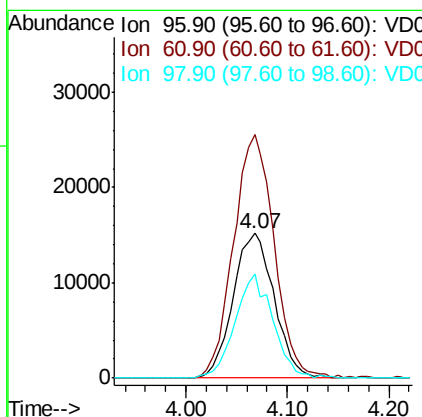
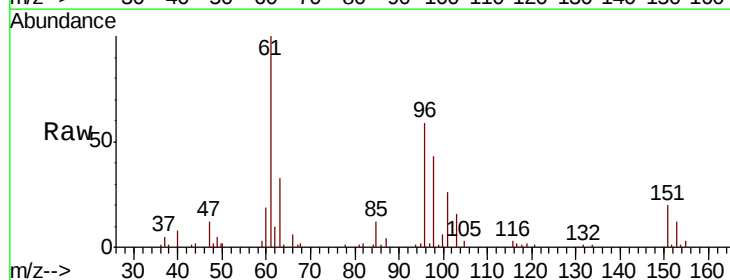
Tot Ion: 59 Resp: 17056
 Ion Ratio Lower Upper
 59 100
 57 2.9 7.5 11.3#

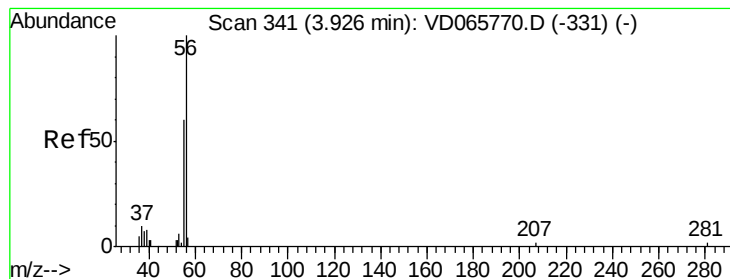


#12

1,1-Dichloroethene
 Concen: 21.745 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Tgt Ion: 96 Resp: 42803
 Ion Ratio Lower Upper
 96 100
 61 168.1 132.3 198.5
 98 71.8 50.7 76.1





#13

Acrolein

Concen: 107.476 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

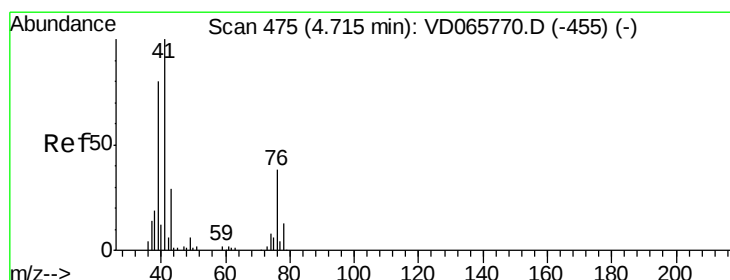
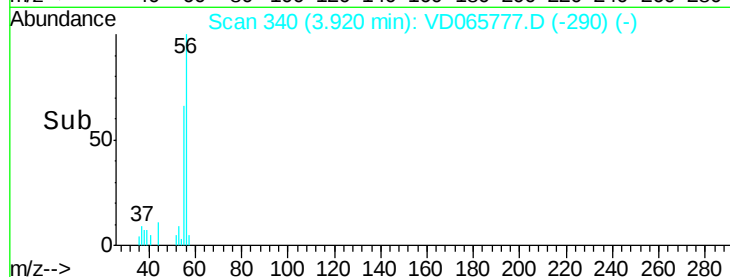
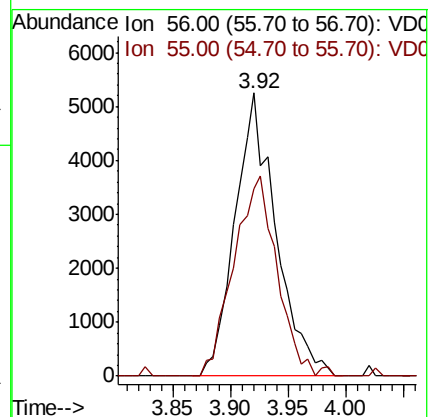
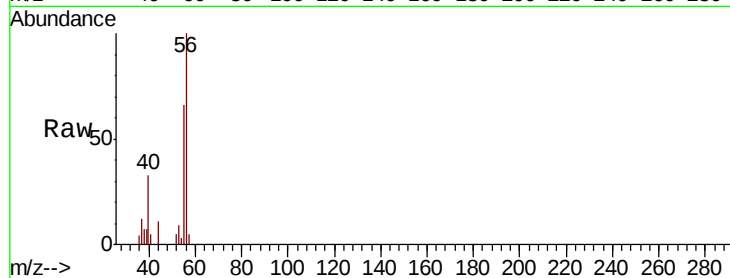
VD0608SBS01

Tot Ion: 56 Resp: 12925

Ion Ratio Lower Upper

56 100

55 75.0 54.8 82.2



#14

Allyl chloride

Concen: 21.228 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

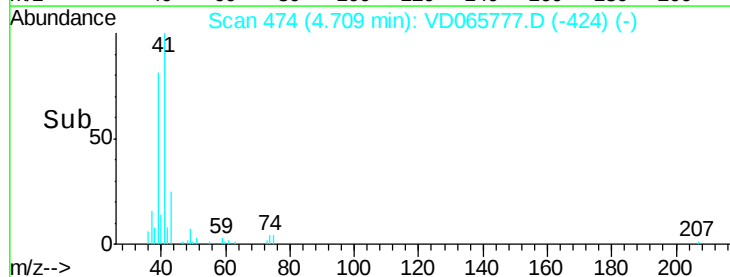
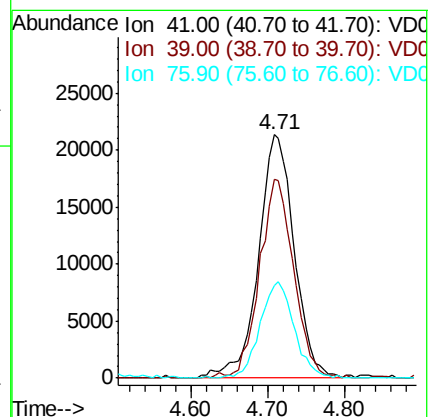
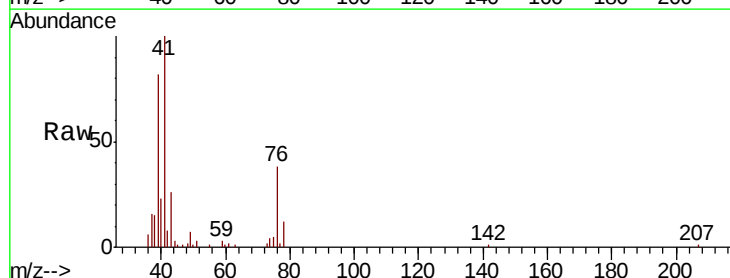
Tgt Ion: 41 Resp: 69062

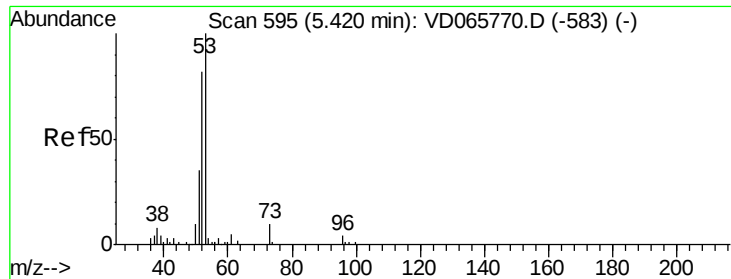
Ion Ratio Lower Upper

41 100

39 77.9 60.9 91.3

76 37.7 28.9 43.3





#15

Acrylonitrile

Concen: 107.317 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

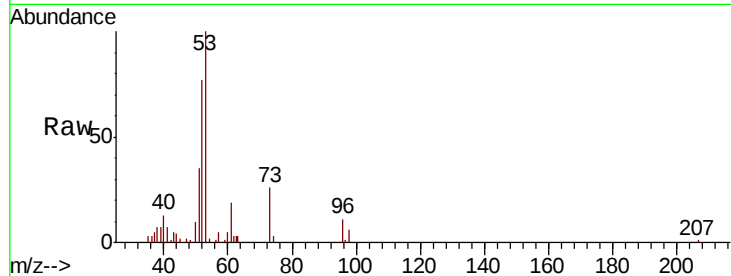
Tot Ion: 53 Resp: 46414

Ion Ratio Lower Upper

53 100

52 77.7 66.2 99.2

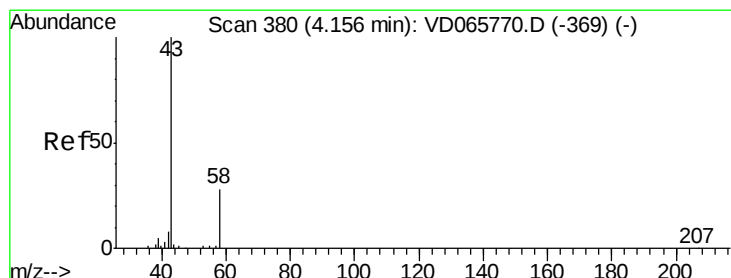
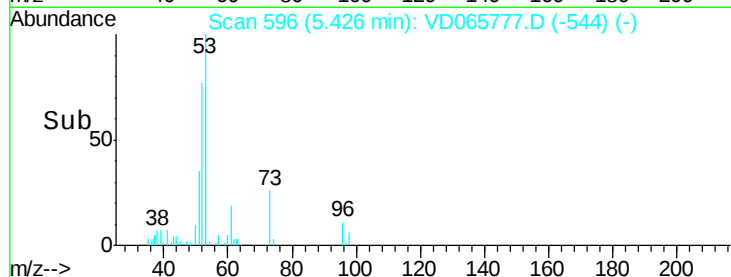
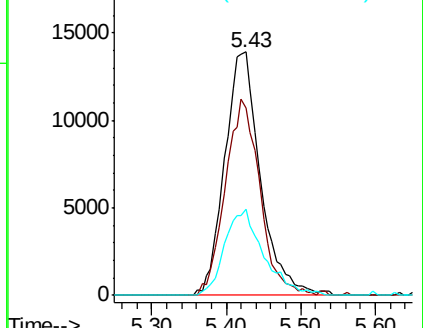
51 38.3 30.7 46.1



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: 105.568 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065777.D

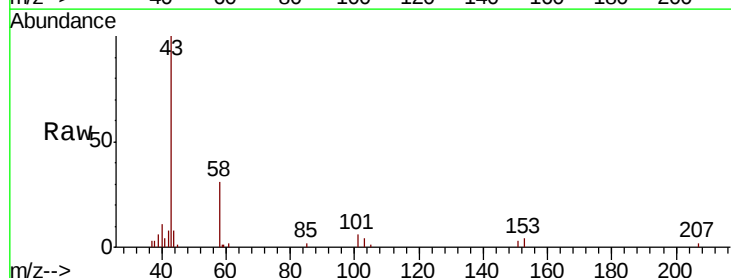
Acq: 08 Jun 2020 13:41

Tgt Ion: 43 Resp: 42636

Ion Ratio Lower Upper

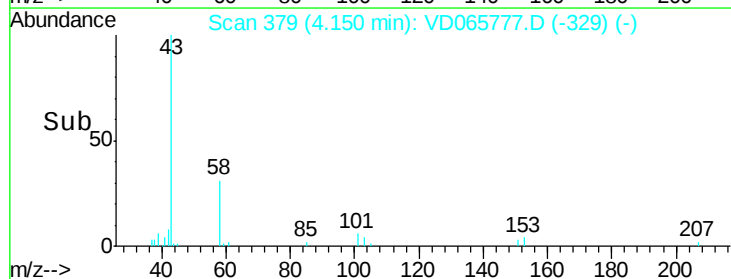
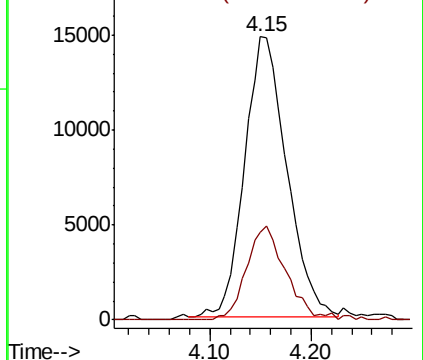
43 100

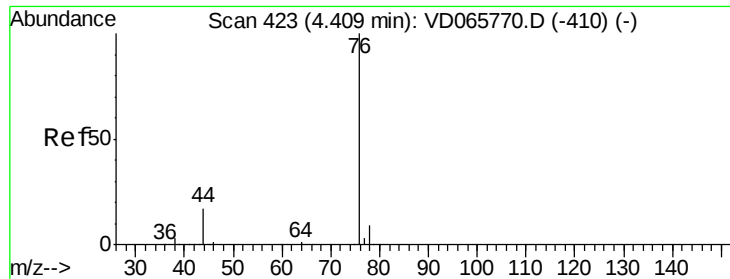
58 31.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

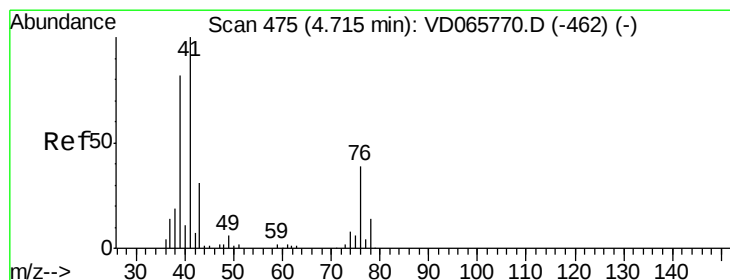
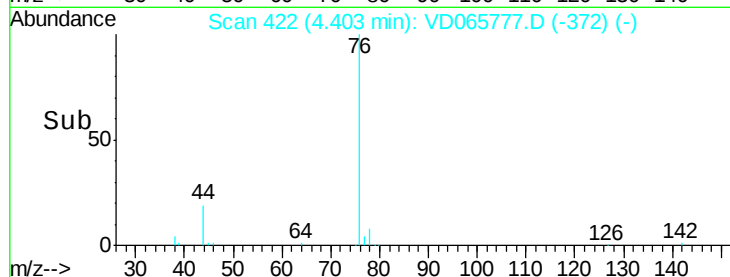
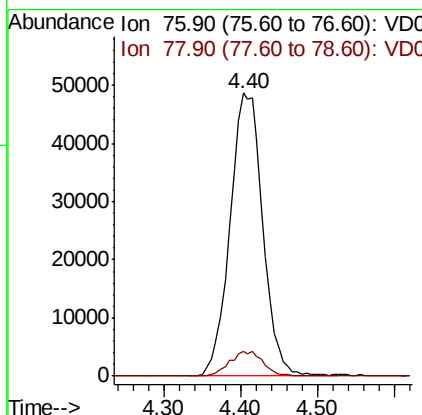
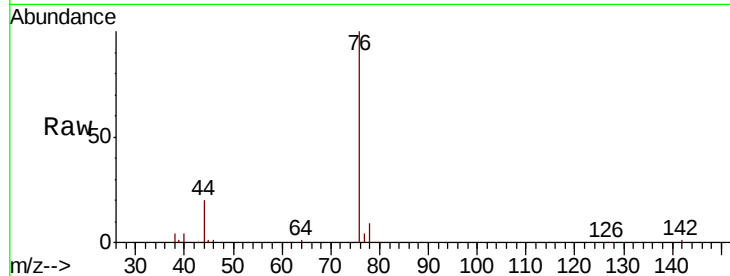




#17
Carbon Disulfide
Concen: 21.891 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

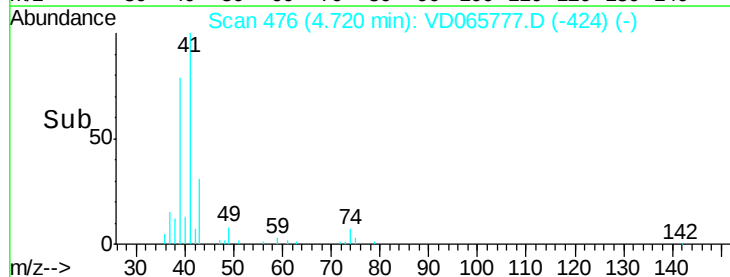
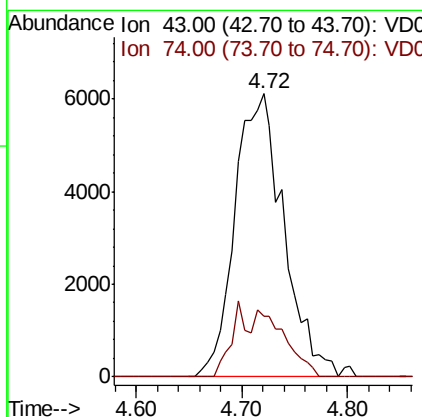
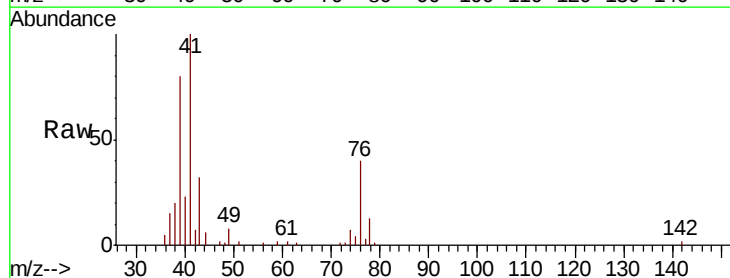
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

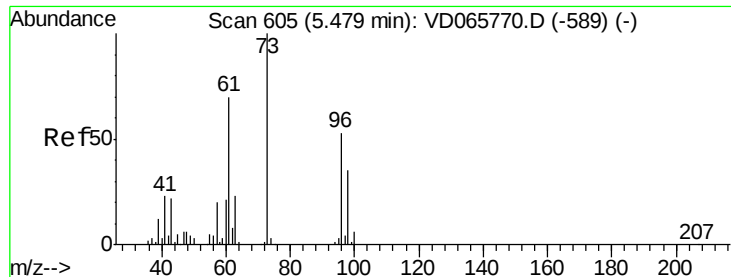
Tot Ion: 76 Resp: 144625
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#18
Methyl Acetate
Concen: 19.253 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion: 43 Resp: 19573
Ion Ratio Lower Upper
43 100
74 15.0 18.7 28.1#



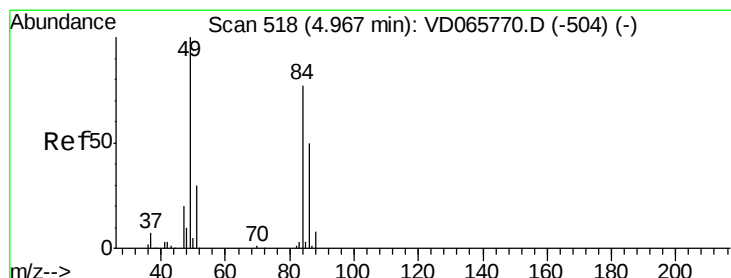
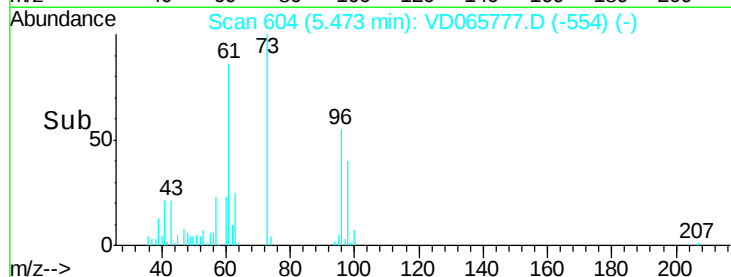
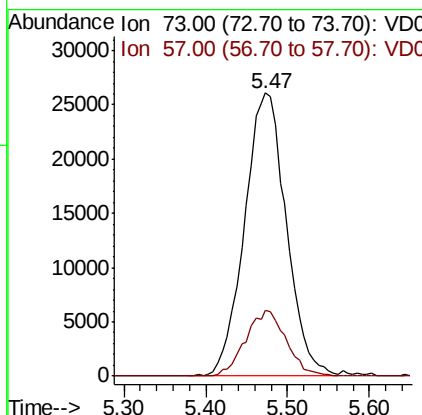
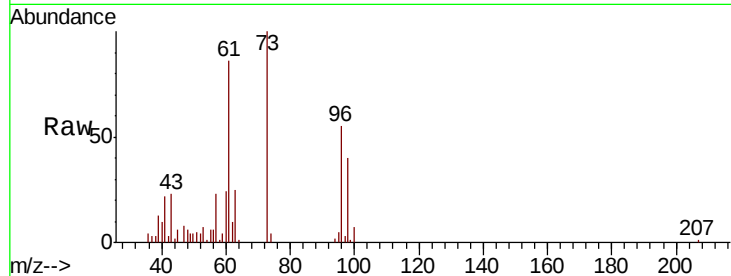


#19

Methyl tert-butyl Ether
 Concen: 20.751 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

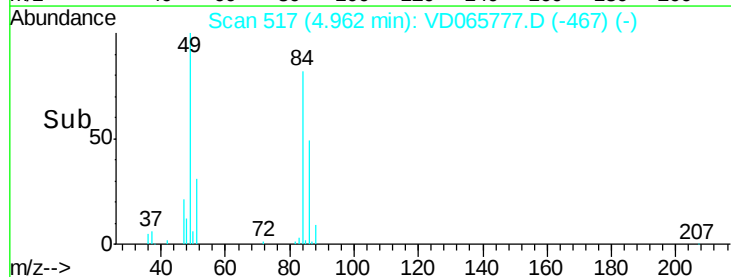
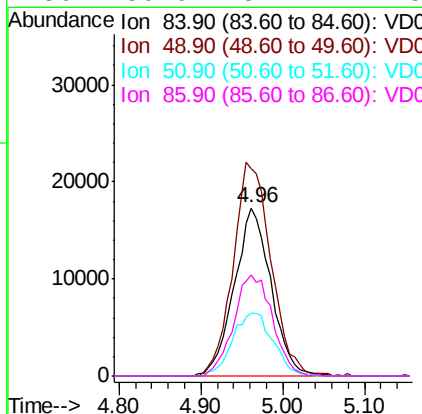
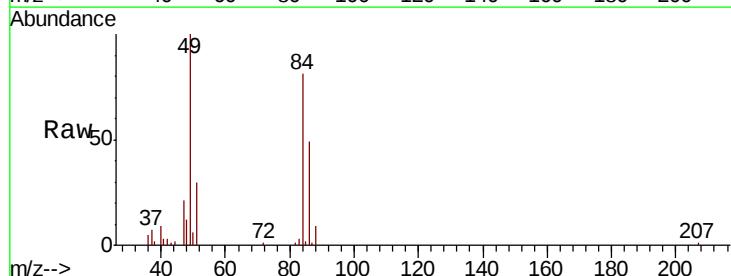
Tot Ion: 73 Resp: 92519
 Ion Ratio Lower Upper
 73 100
 57 23.1 16.2 24.2

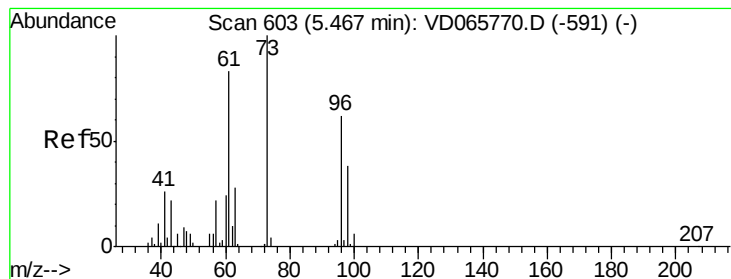


#20

Methylene Chloride
 Concen: 22.802 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Tgt Ion: 84 Resp: 54097
 Ion Ratio Lower Upper
 84 100
 49 123.3 103.4 155.0
 51 37.6 31.4 47.2
 86 59.9 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 21.462 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

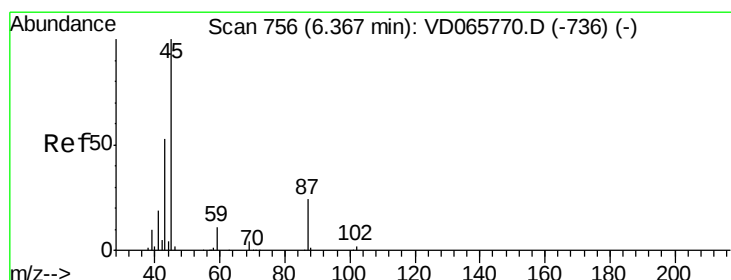
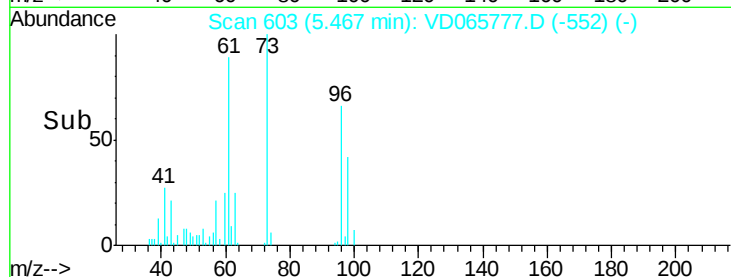
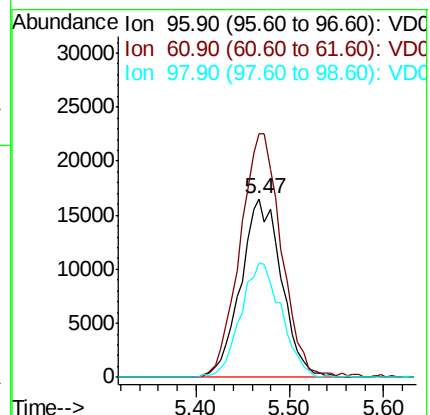
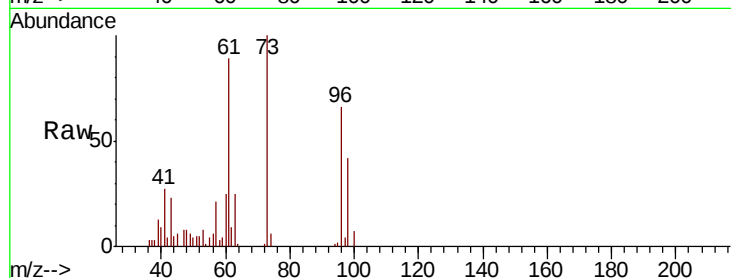
Tot Ion: 96 Resp: 49475

Ion Ratio Lower Upper

96 100

61 136.3 107.7 161.5

98 64.4 49.3 73.9



#22

Diisopropyl ether

Concen: 21.550 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Tgt Ion: 45 Resp: 141656

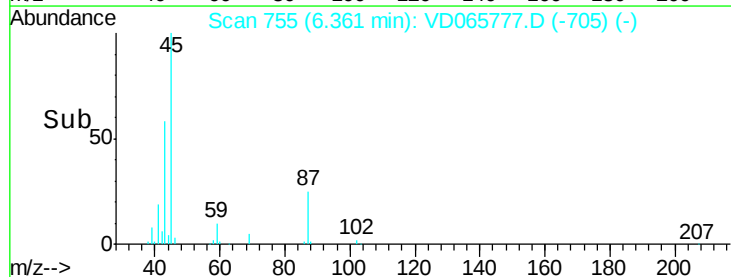
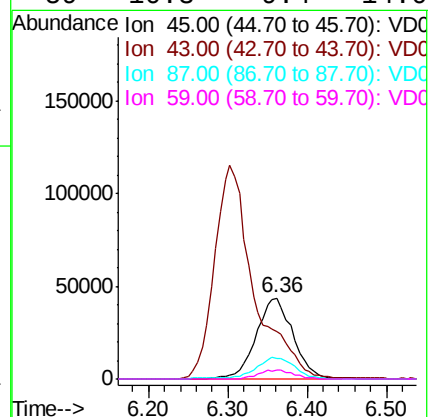
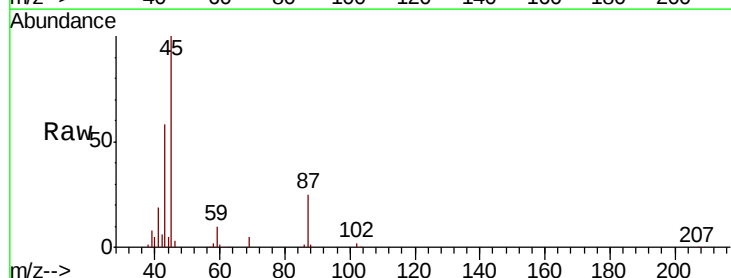
Ion Ratio Lower Upper

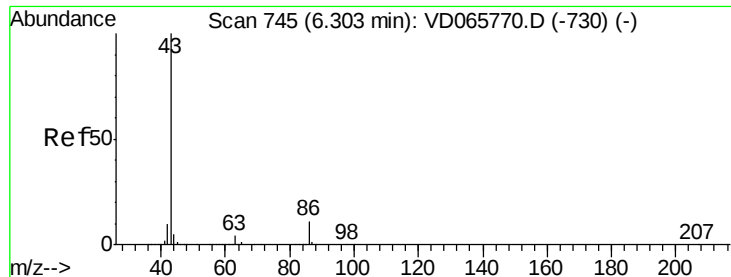
45 100

43 56.9 43.4 65.0

87 24.3 20.2 30.4

59 10.3 9.4 14.0





#23

Vinyl Acetate

Concen: 107.629 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

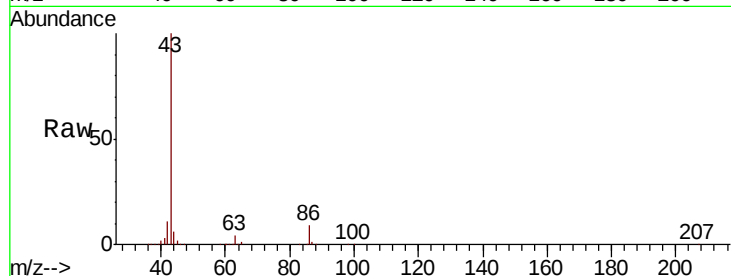
VD0608SBS01

Tot Ion: 43 Resp: 399516

Ion Ratio Lower Upper

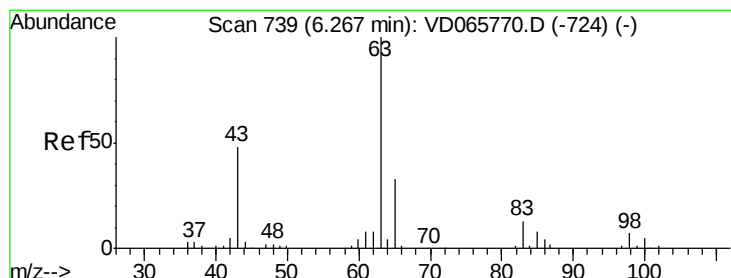
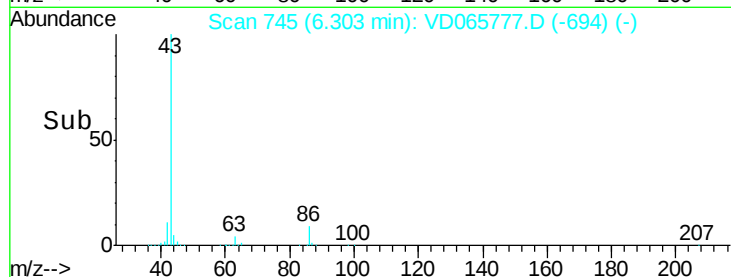
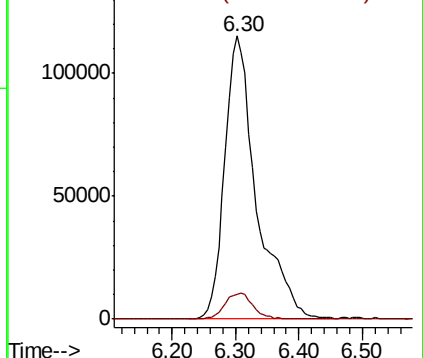
43 100

86 8.9 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.279 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

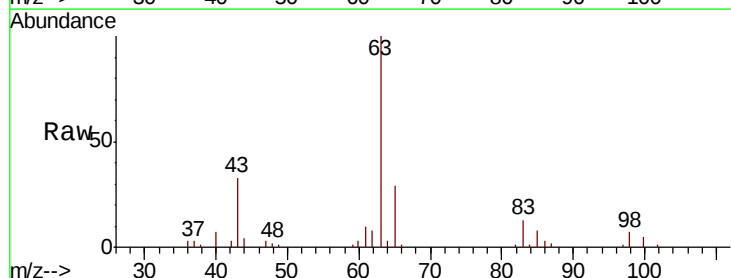
Tgt Ion: 63 Resp: 85229

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

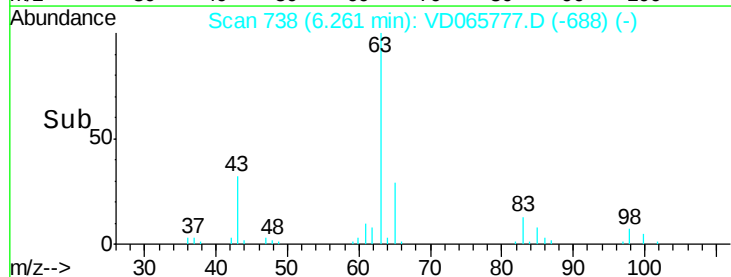
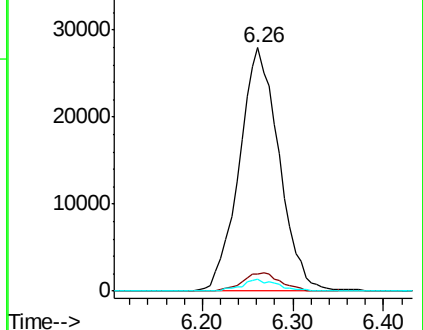
100 4.8 2.3 6.9

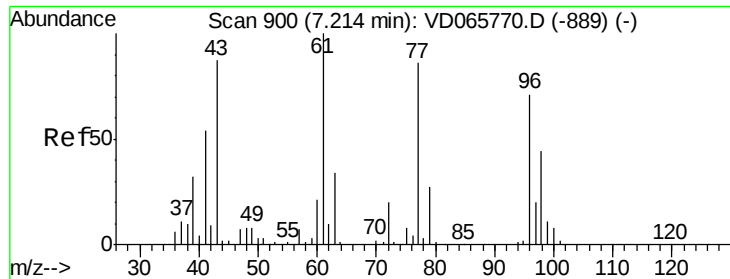


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 104.041 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

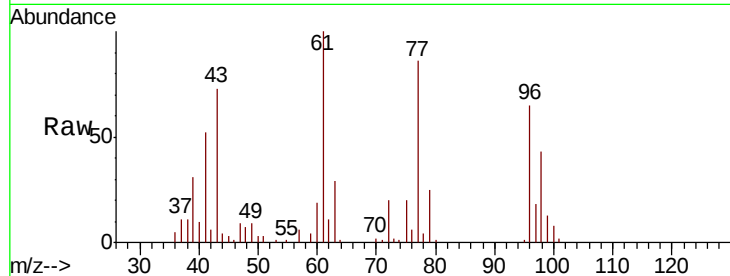
VD0608SBS01

Tot Ion: 43 Resp: 58031

Ion Ratio Lower Upper

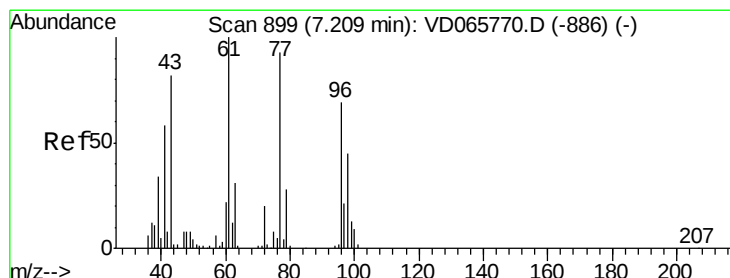
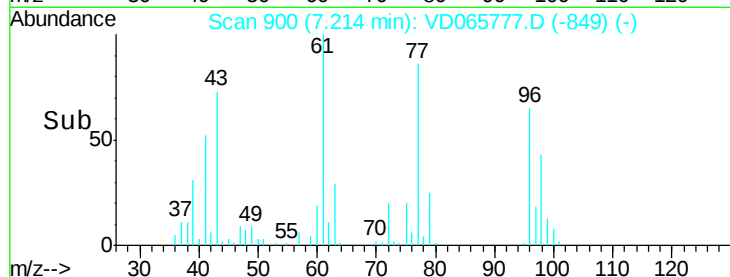
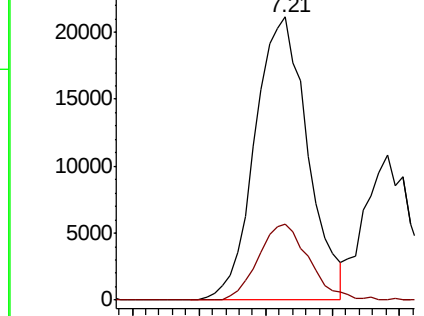
43 100

72 26.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.821 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065777.D

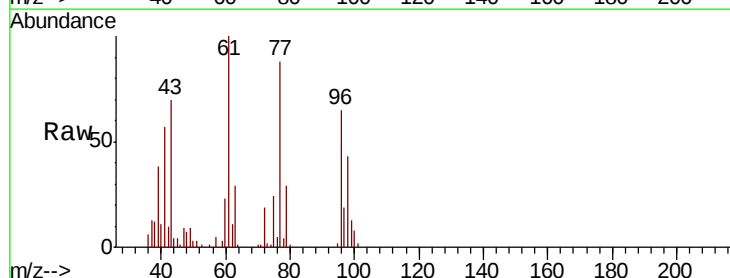
Acq: 08 Jun 2020 13:41

Tgt Ion: 77 Resp: 77494

Ion Ratio Lower Upper

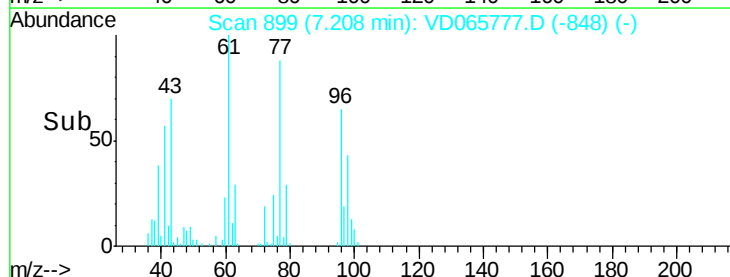
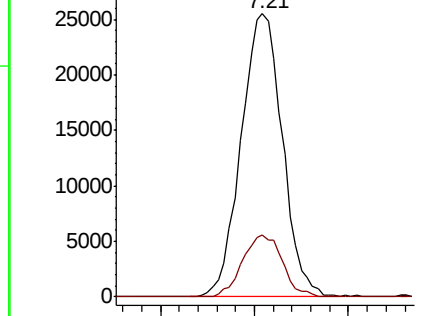
77 100

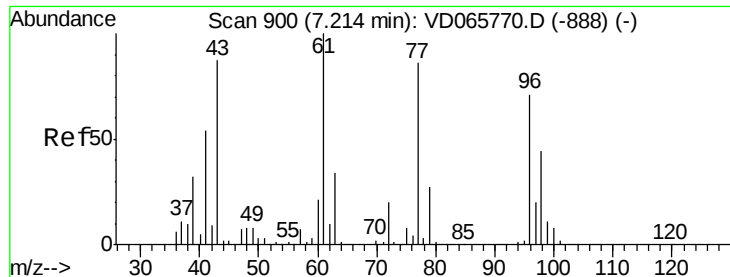
97 21.1 10.9 32.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



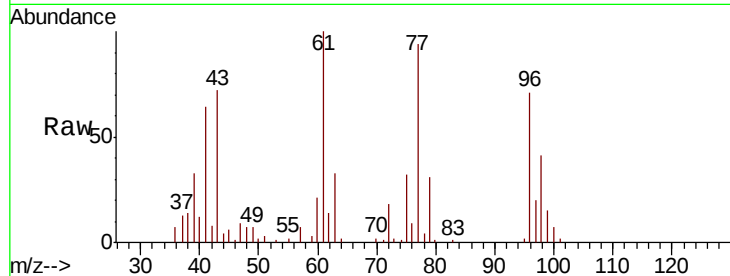


#27

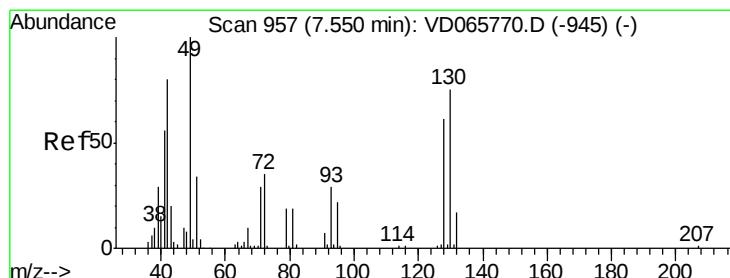
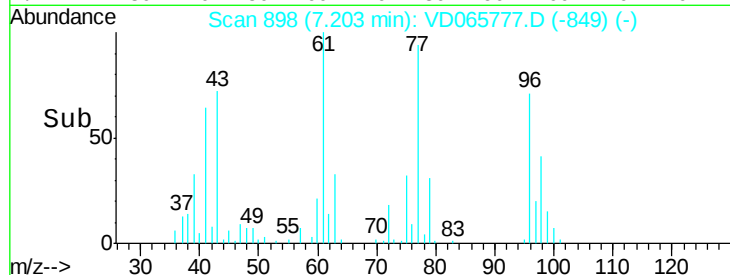
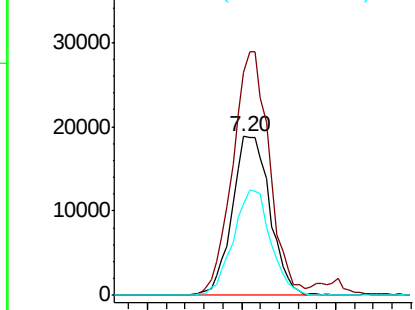
cis-1,2-Dichloroethene
Concen: 21.192 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion: 96 Resp: 52550
Ion Ratio Lower Upper
96 100
61 149.4 0.0 291.2
98 65.3 0.0 128.8



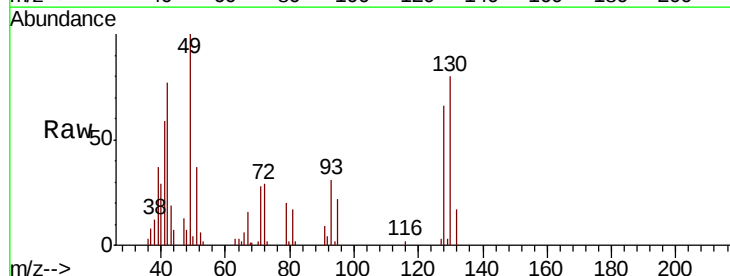
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



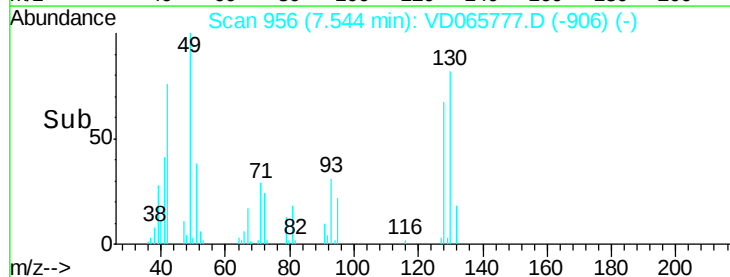
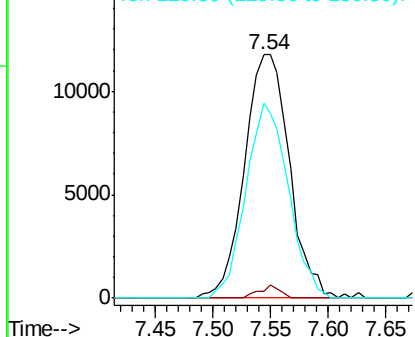
#28

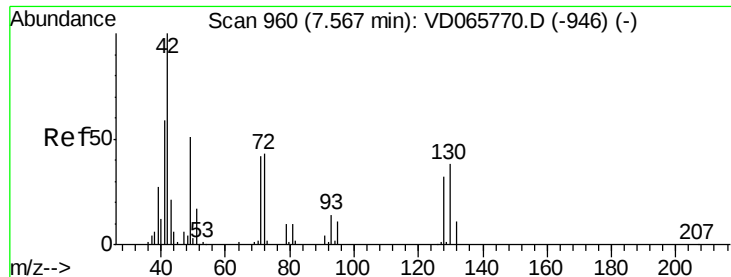
Bromochloromethane
Concen: 20.609 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion: 49 Resp: 31880
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.6
130 75.7 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

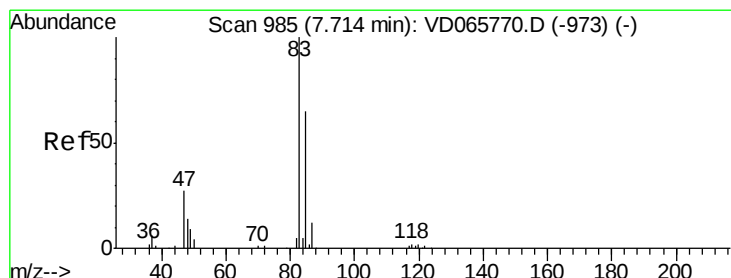
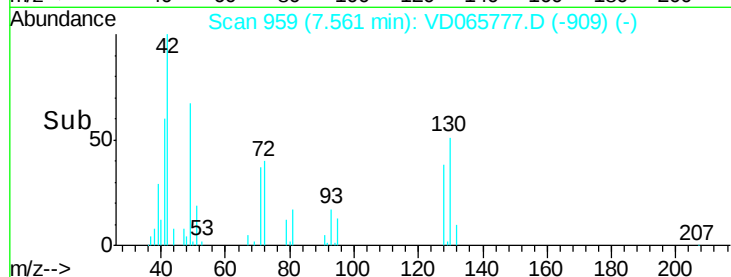
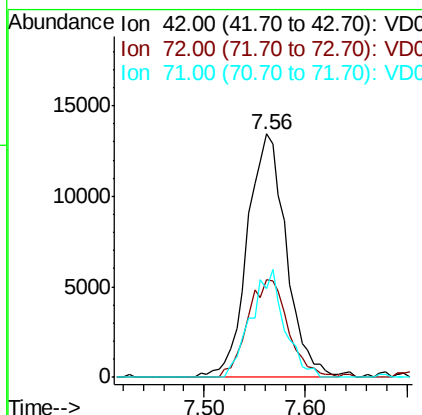
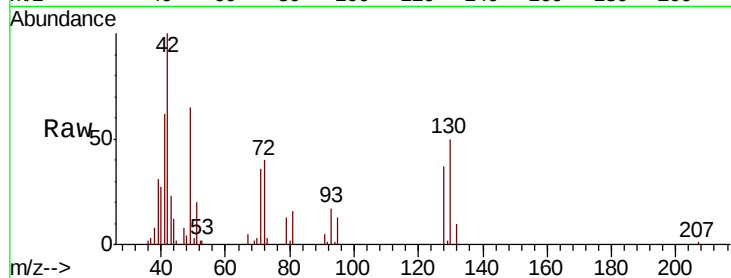




#29
Tetrahydrofuran
Concen: 102.048 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

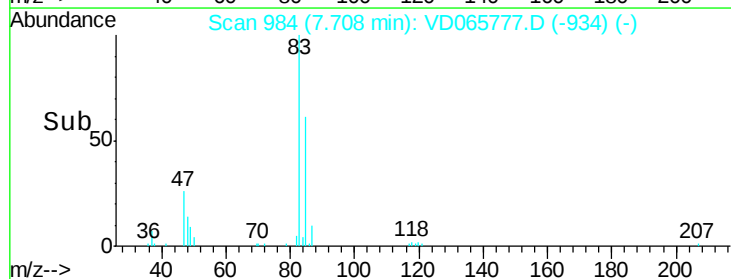
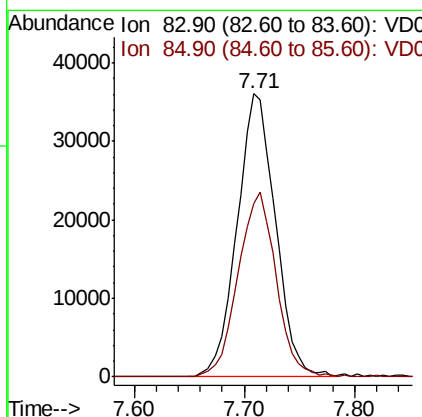
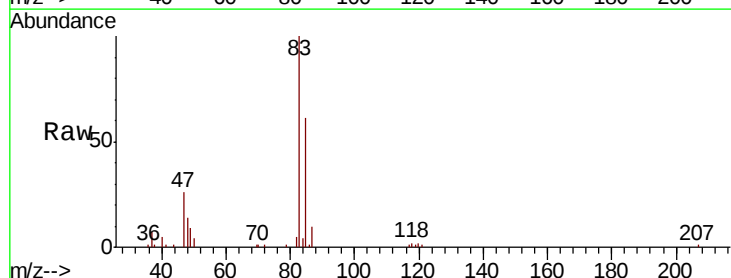
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

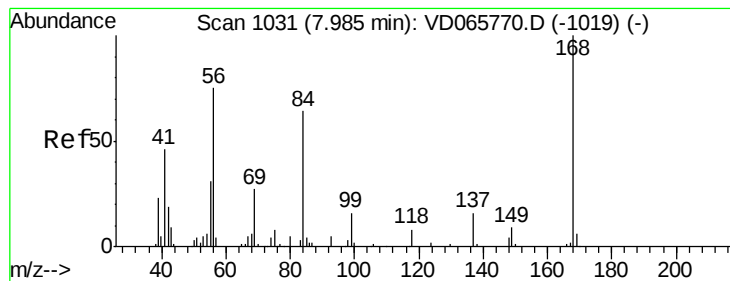
Tot Ion: 42 Resp: 35974
Ion Ratio Lower Upper
42 100
72 41.6 34.9 52.3
71 38.2 31.2 46.8



#30
Chloroform
Concen: 21.183 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion: 83 Resp: 87940
Ion Ratio Lower Upper
83 100
85 61.3 51.9 77.9





#31

Cyclohexane

Concen: 22.016 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

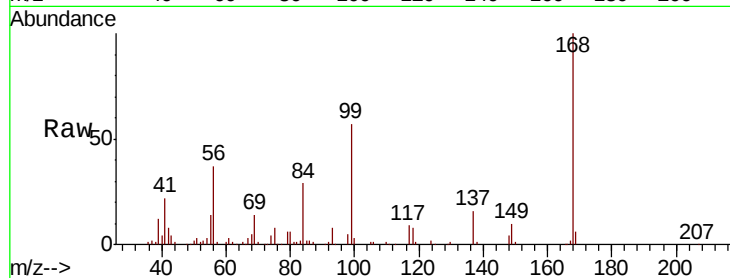
Tot Ion: 56 Resp: 84536

Ion Ratio Lower Upper

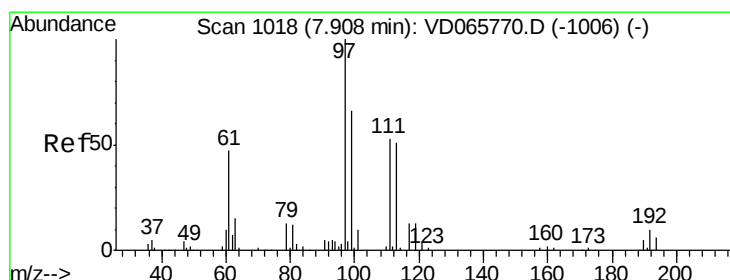
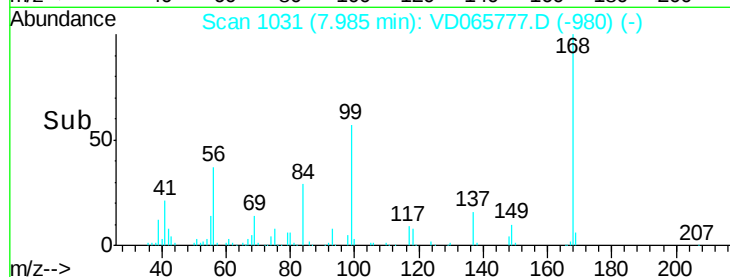
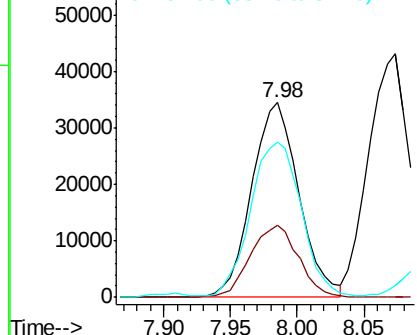
56 100

69 36.7 28.5 42.7

84 78.4 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: 21.091 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

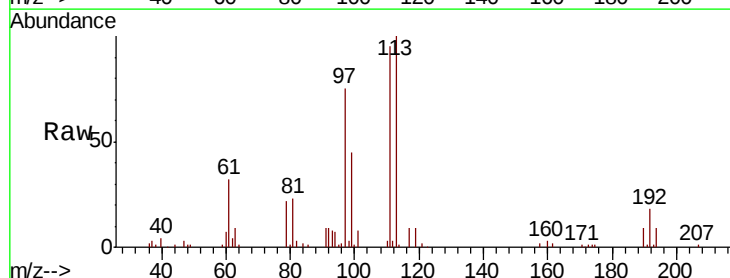
Tgt Ion: 97 Resp: 80510

Ion Ratio Lower Upper

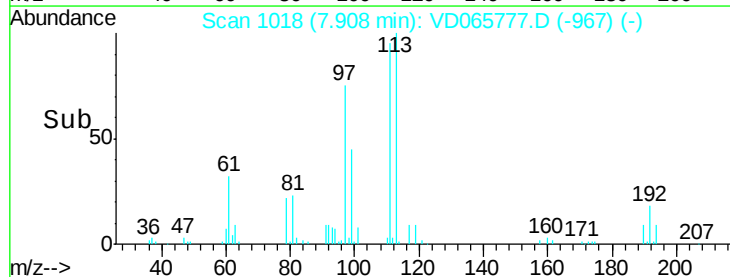
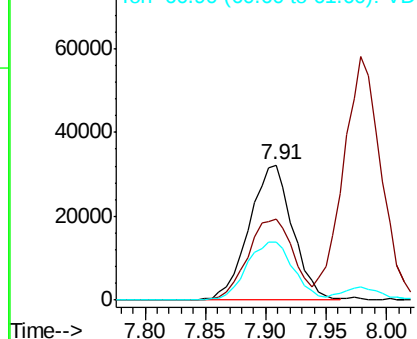
97 100

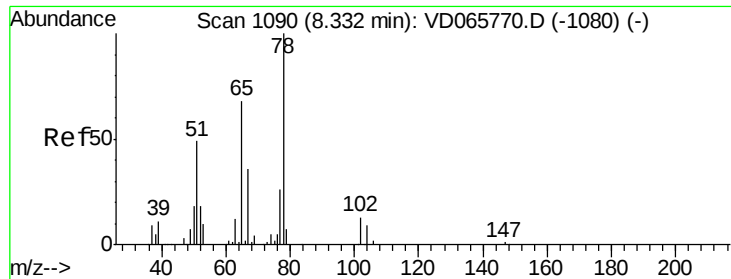
99 63.3 49.2 73.8

61 46.4 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

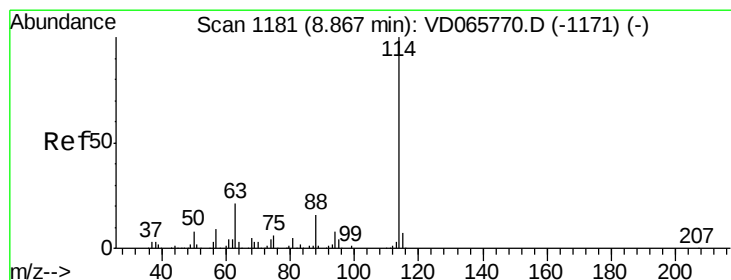
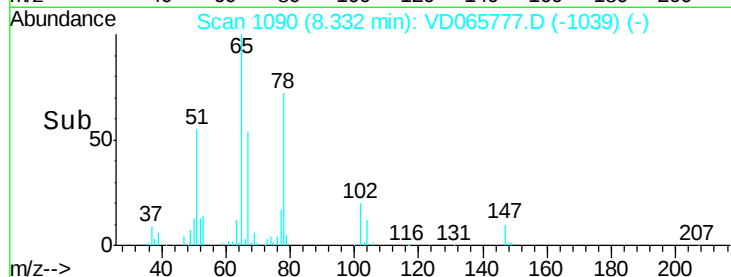
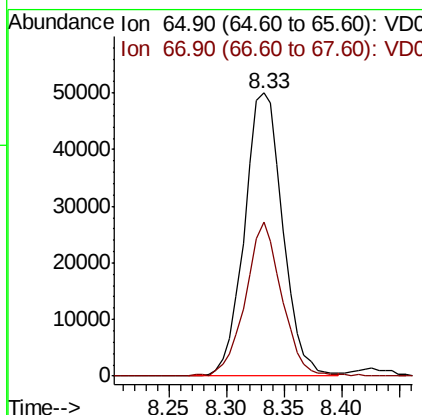
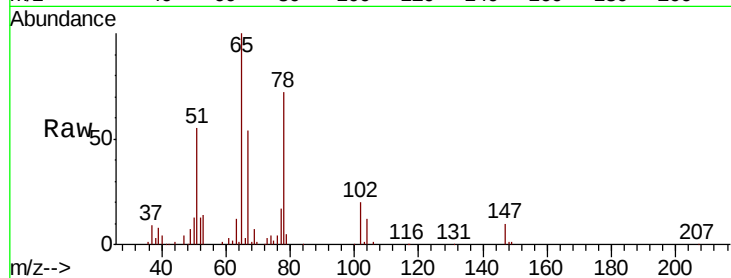




#33
 1,2-Dichloroethane-d4
 Concen: 53.963 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

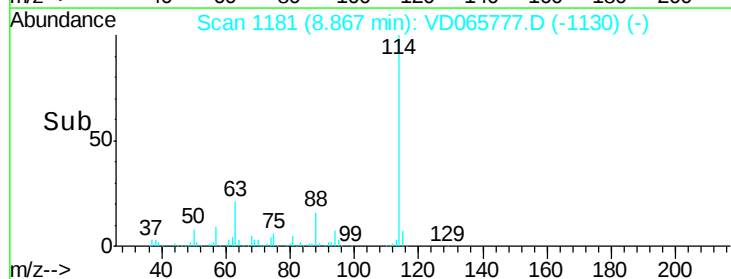
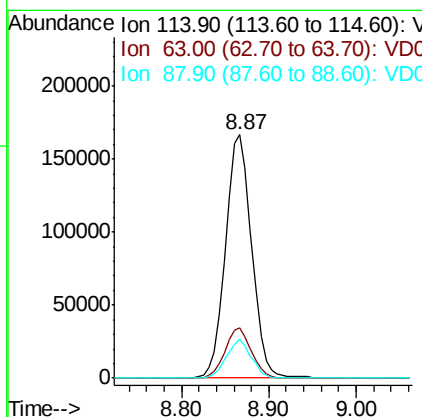
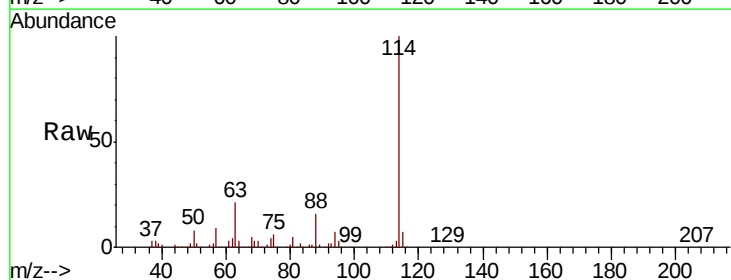
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

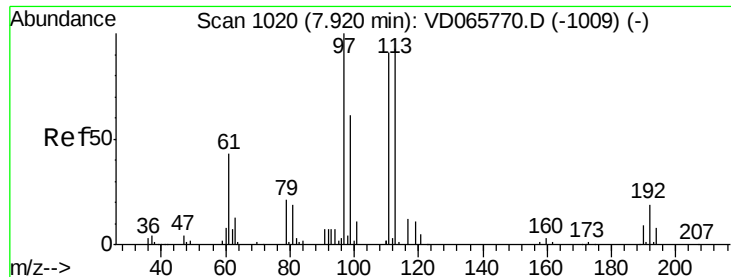
Tot Ion: 65 Resp: 115538
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Tgt Ion: 114 Resp: 340896
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.8
 88 16.1 0.0 32.0

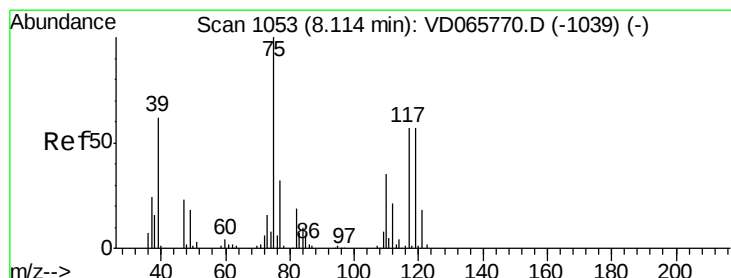
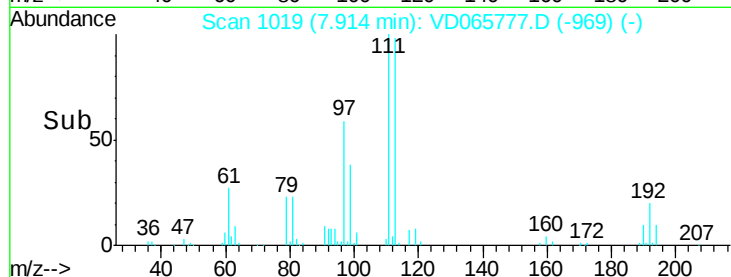
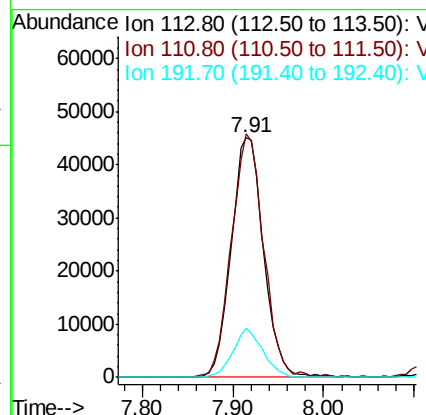
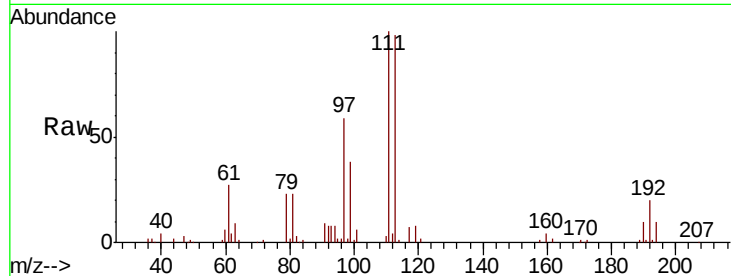




#35
 Dibromofluoromethane
 Concen: 51.763 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

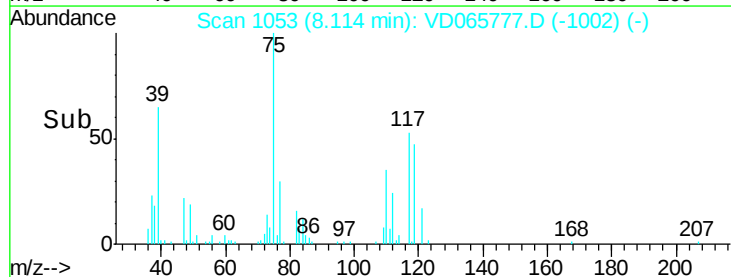
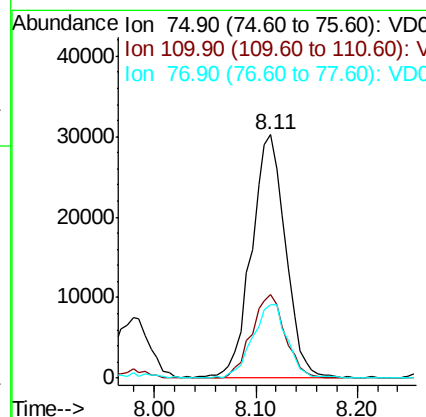
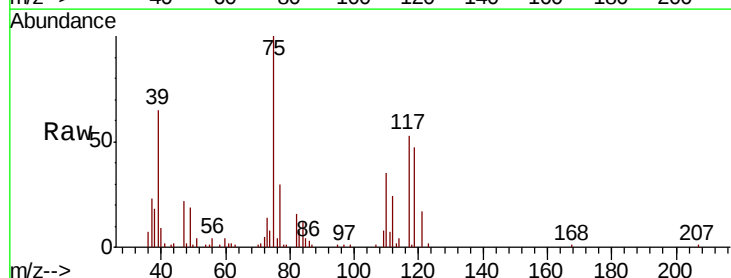
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

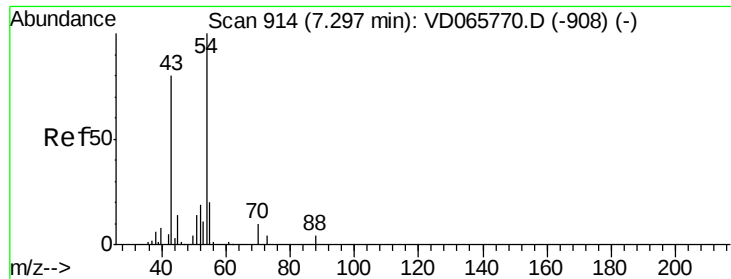
Tot Ion:113 Resp: 111462
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.4 125.0
 192 18.8 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 21.596 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Tgt Ion: 75 Resp: 70524
 Ion Ratio Lower Upper
 75 100
 110 33.8 17.6 52.8
 77 30.9 25.1 37.7





#37

Ethyl Acetate

Concen: 20.280 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

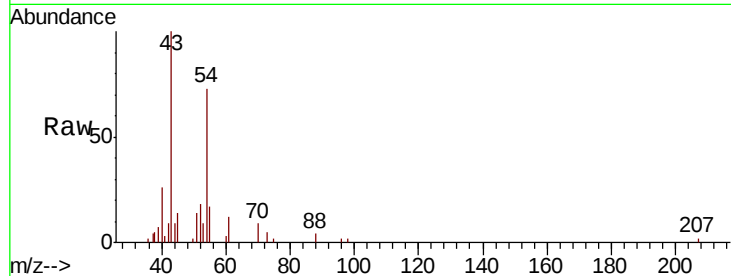
Tot Ion: 43 Resp: 26086

Ion Ratio Lower Upper

43 100

61 15.3 10.6 15.8

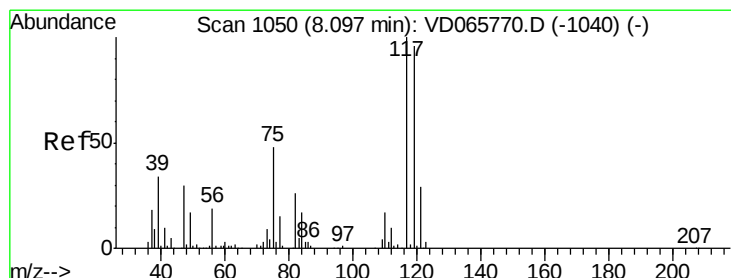
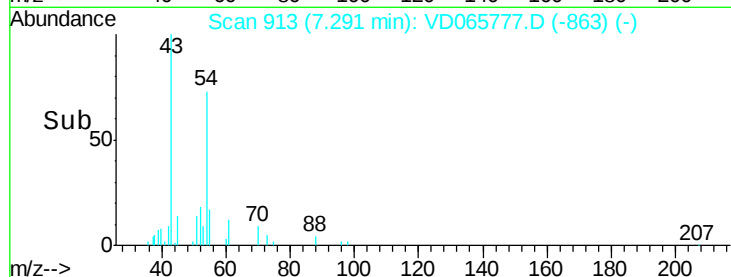
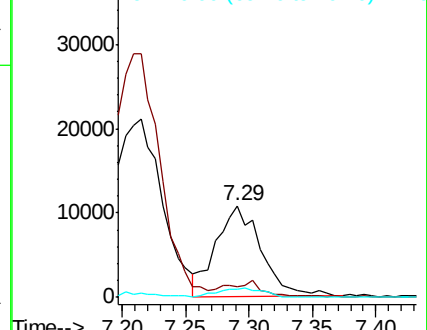
70 10.4 7.5 11.3



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: 21.967 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

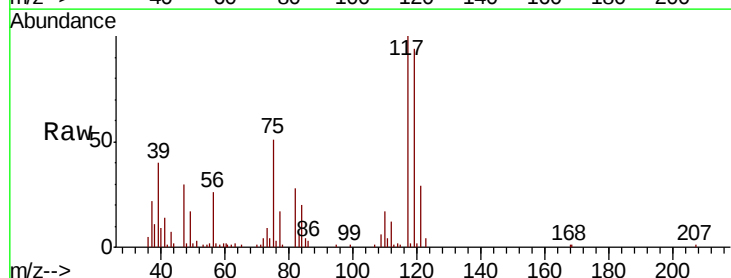
Tgt Ion: 117 Resp: 75493

Ion Ratio Lower Upper

117 100

119 94.0 76.8 115.2

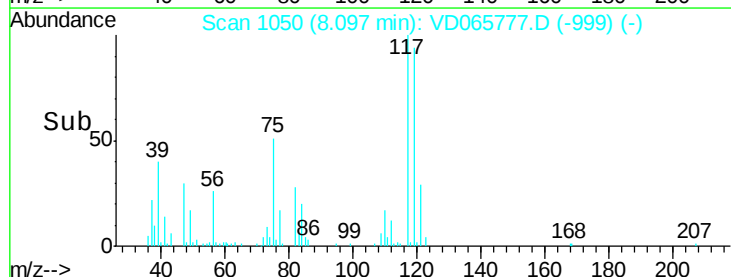
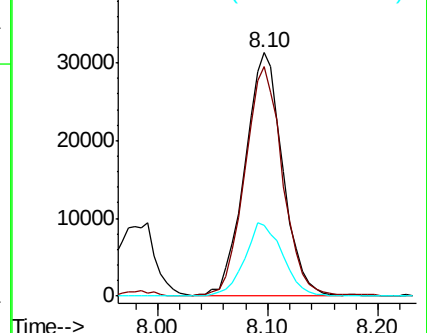
121 29.3 23.4 35.2

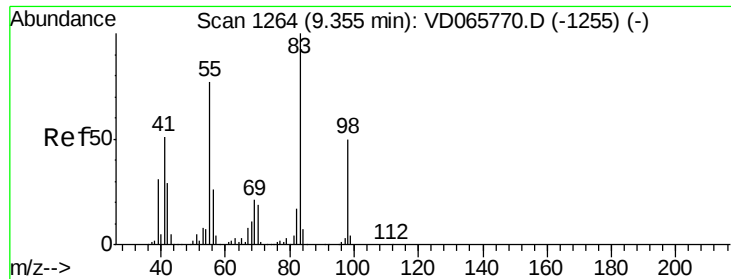


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

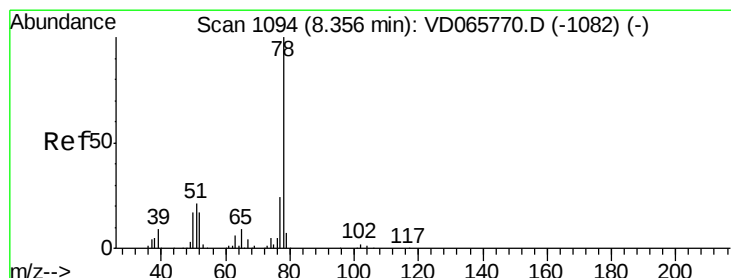
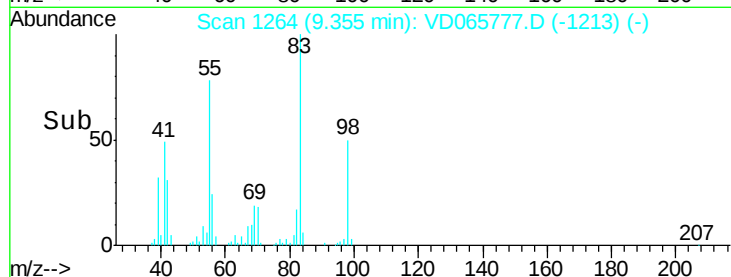
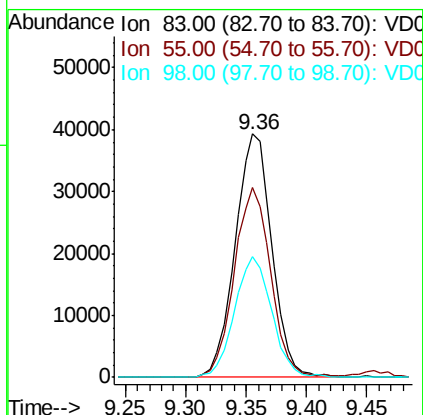
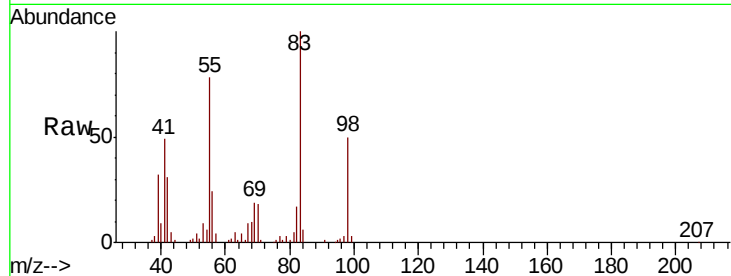




#39
Methvlcvclohexane
Concen: 21.521 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

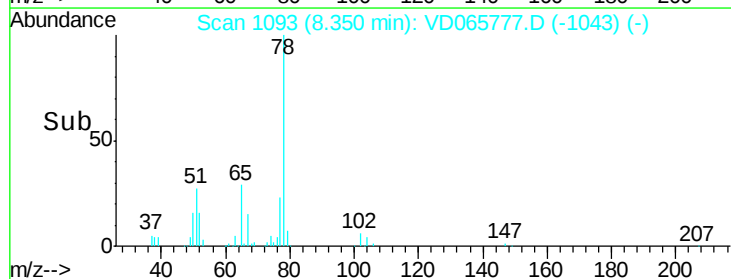
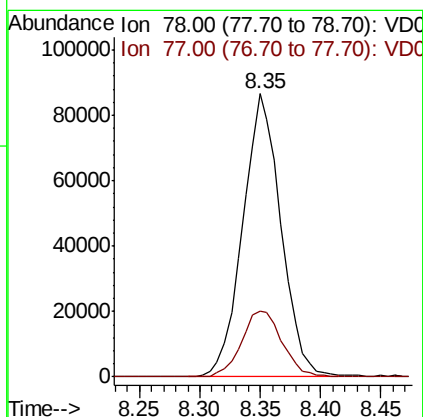
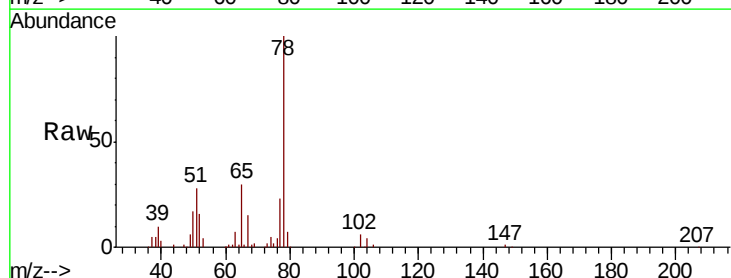
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

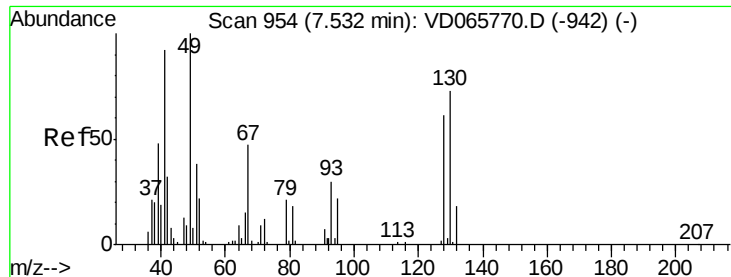
Tot Ion: 83 Resp: 83208
Ion Ratio Lower Upper
83 100
55 78.0 61.6 92.4
98 49.7 40.2 60.2



#40
Benzene
Concen: 21.257 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion: 78 Resp: 189765
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8





#41

Methacrylonitrile

Concen: 48.879 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

Tot Ion: 41 Resp: 37436

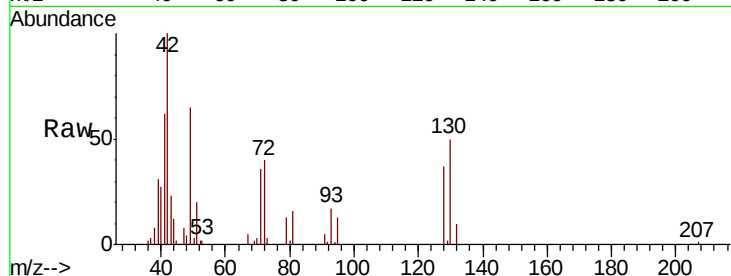
Ion Ratio Lower Upper

41 100

39 30.2 38.3 57.5#

67 0.0 49.8 74.6#

52 0.0 21.7 32.5#

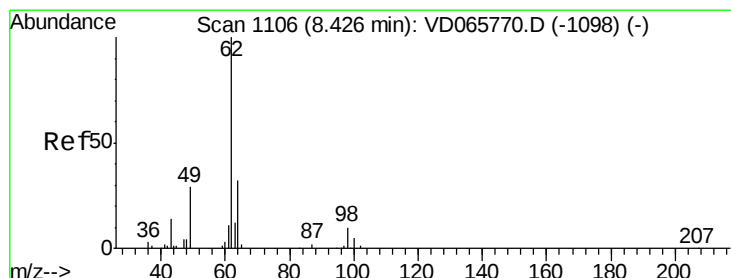
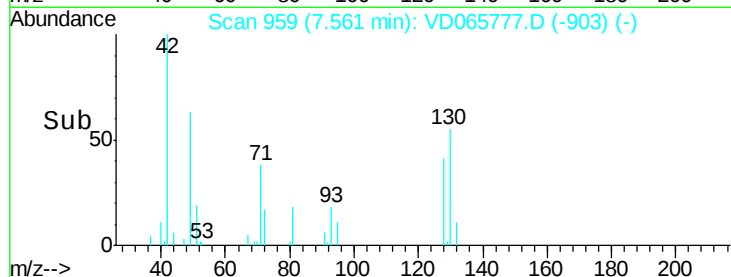
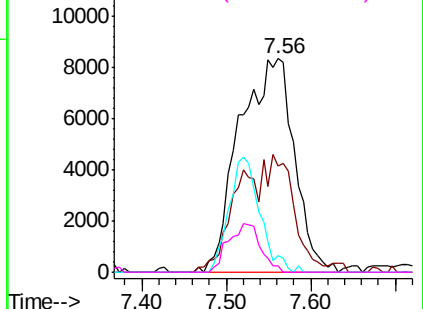


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 21.024 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065777.D

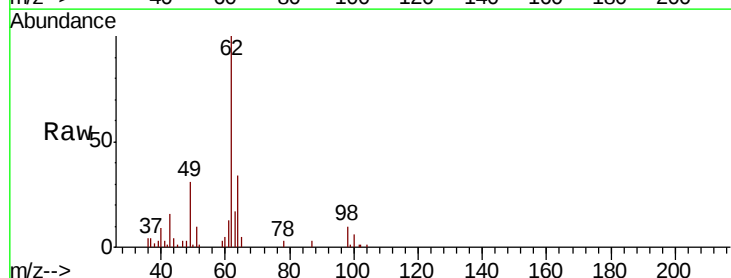
Acq: 08 Jun 2020 13:41

Tgt Ion: 62 Resp: 56630

Ion Ratio Lower Upper

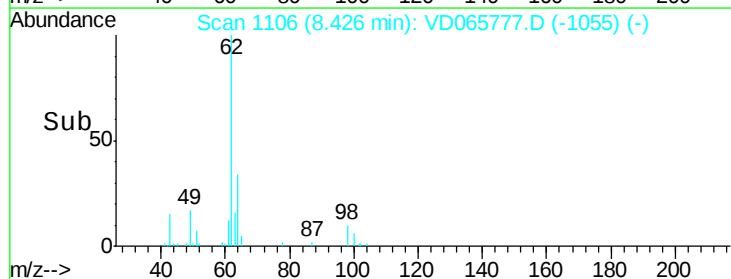
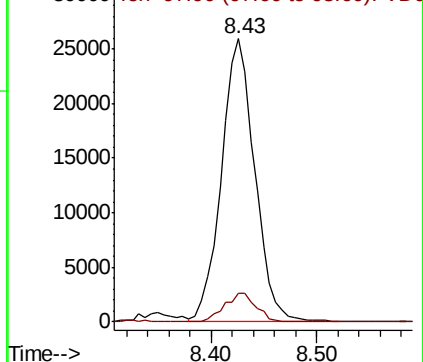
62 100

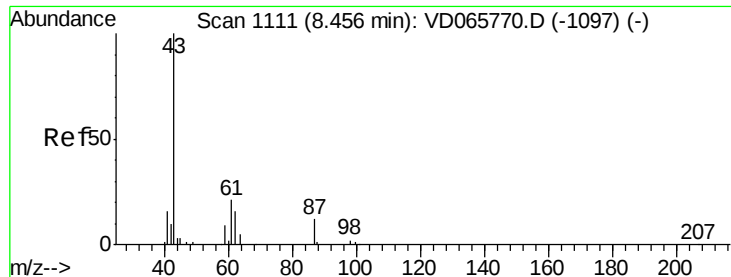
98 9.5 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.085 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

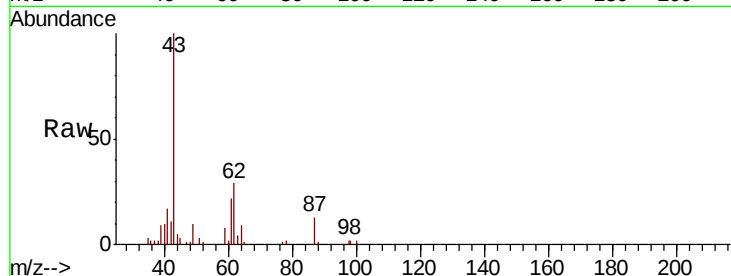
Tot Ion: 43 Resp: 51373

Ion Ratio Lower Upper

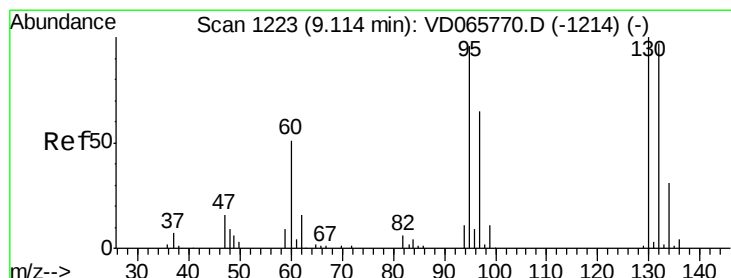
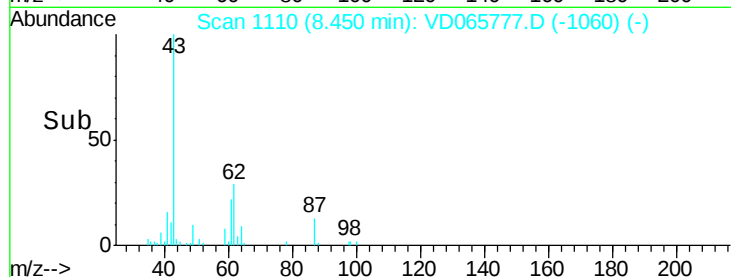
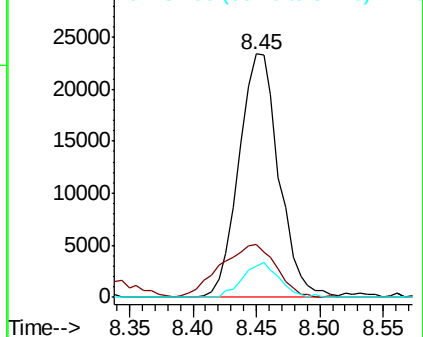
43 100

61 30.2 24.2 36.4

87 13.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.928 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065777.D

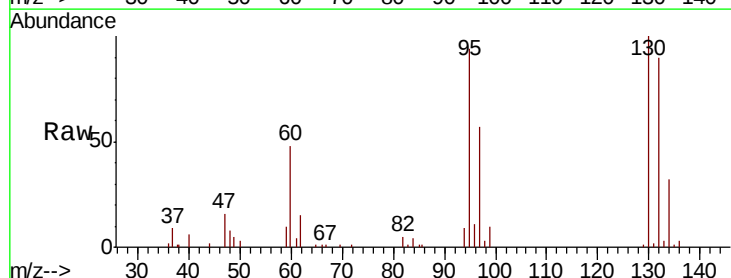
Acq: 08 Jun 2020 13:41

Tgt Ion: 130 Resp: 54478

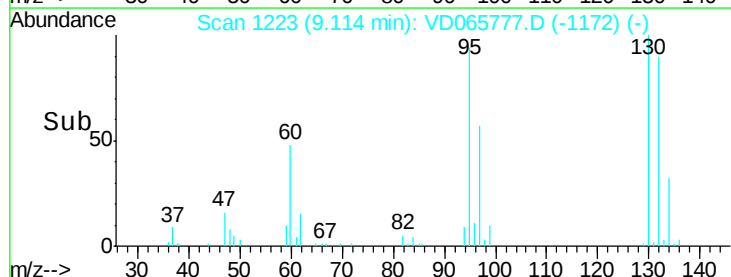
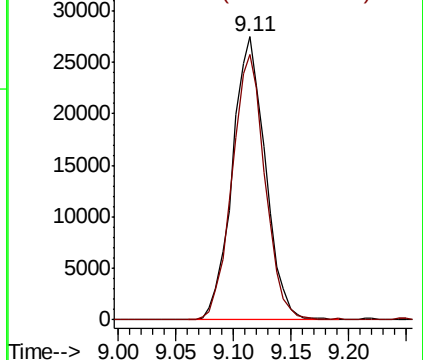
Ion Ratio Lower Upper

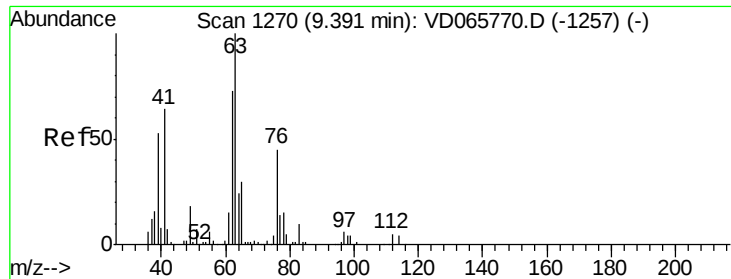
130 100

95 93.6 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.929 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

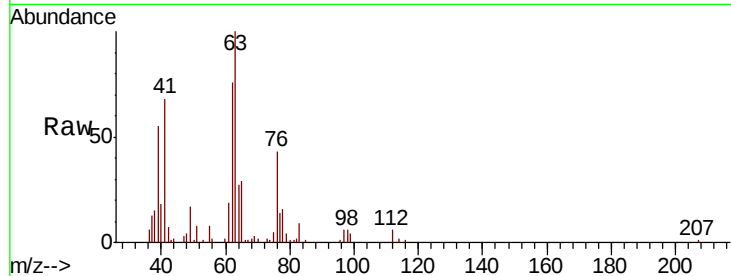
VD0608SBS01

Tot Ion: 63 Resp: 46946

Ion Ratio Lower Upper

63 100

65 29.1 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

25000

20000

15000

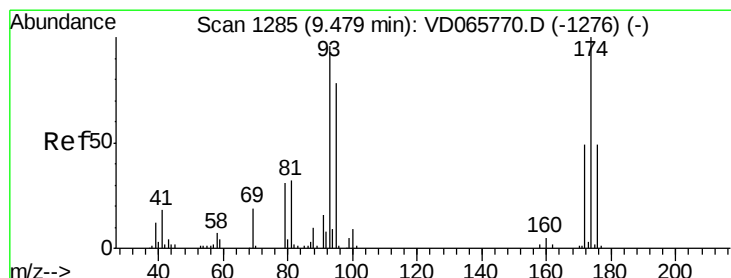
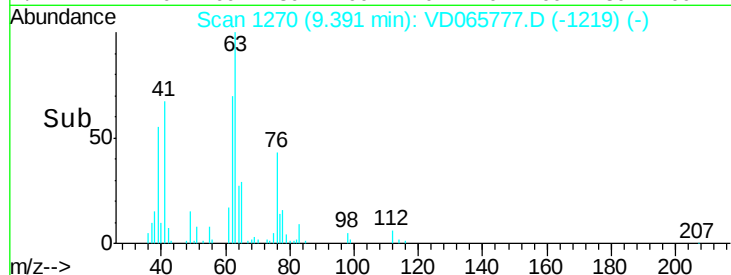
10000

5000

0

Time-->

9.30 9.35 9.40 9.45



#46

Dibromomethane

Concen: 21.298 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

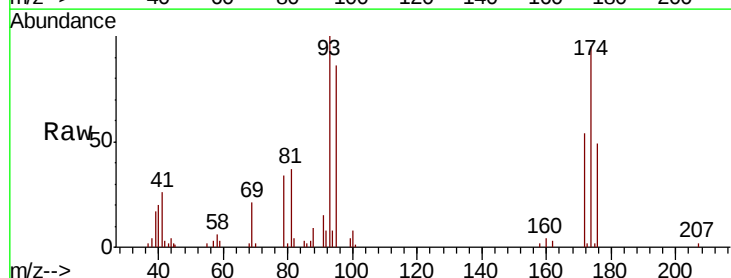
Tgt Ion: 93 Resp: 25911

Ion Ratio Lower Upper

93 100

95 80.9 65.8 98.6

174 96.7 80.9 121.3



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

9.48

15000

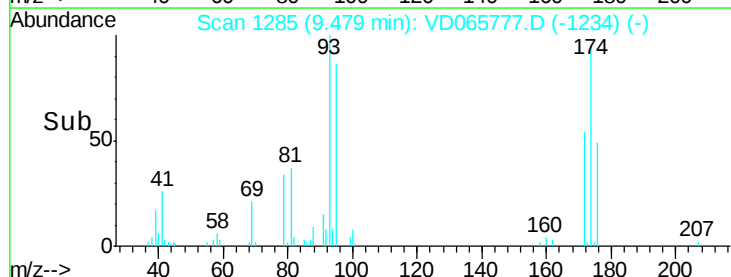
10000

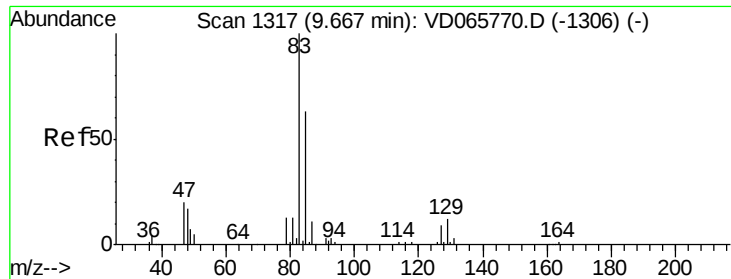
5000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 21.044 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

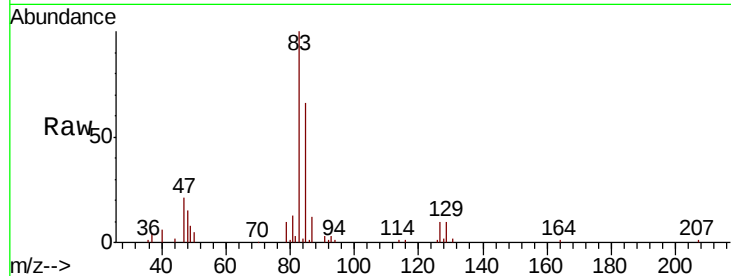
Tot Ion: 83 Resp: 68605

Ion Ratio Lower Upper

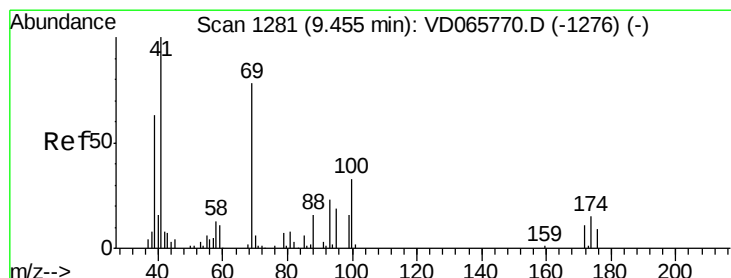
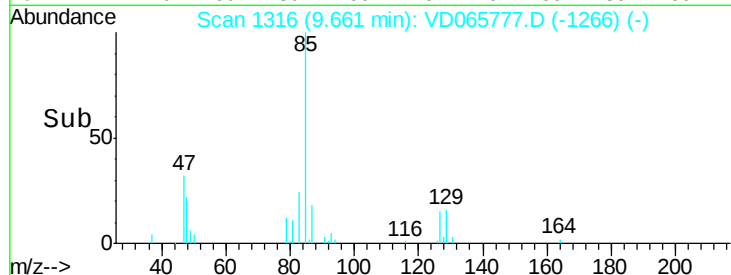
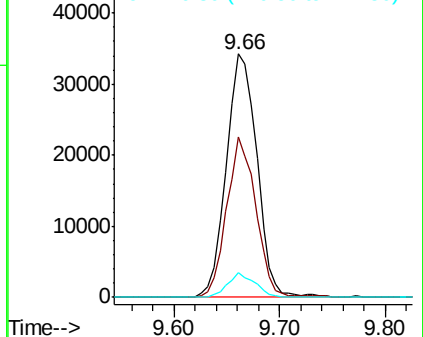
83 100

85 66.0 50.7 76.1

127 10.2 7.1 10.7



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



#48

Methyl methacrylate

Concen: 22.102 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

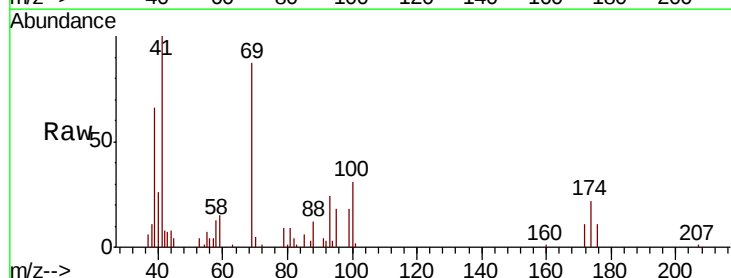
Tgt Ion: 41 Resp: 27364

Ion Ratio Lower Upper

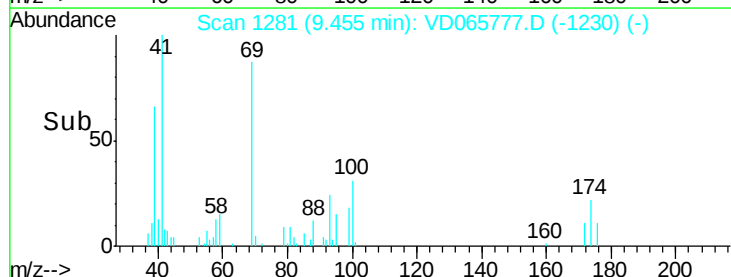
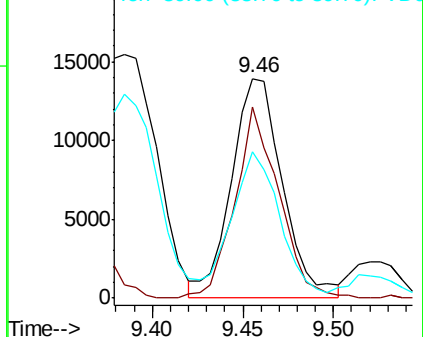
41 100

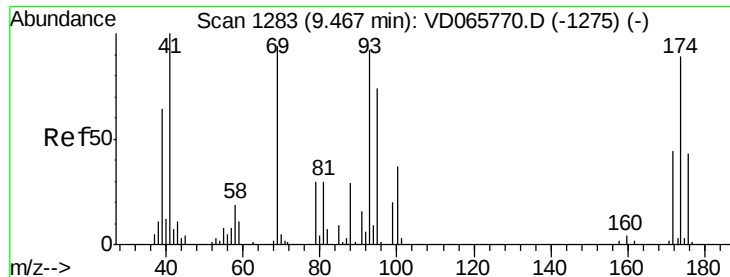
69 74.5 60.9 91.3

39 58.3 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: 395.013 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

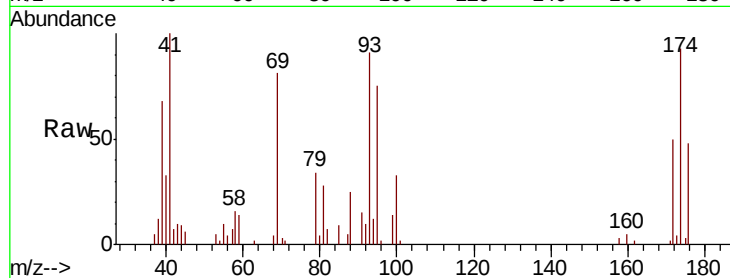
Tot Ion: 88 Resp: 5115

Ion Ratio Lower Upper

88 100

43 41.4 32.2 48.4

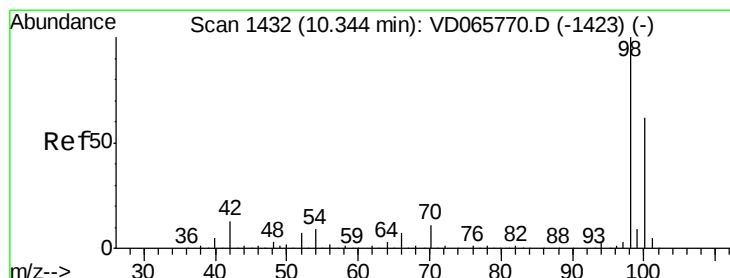
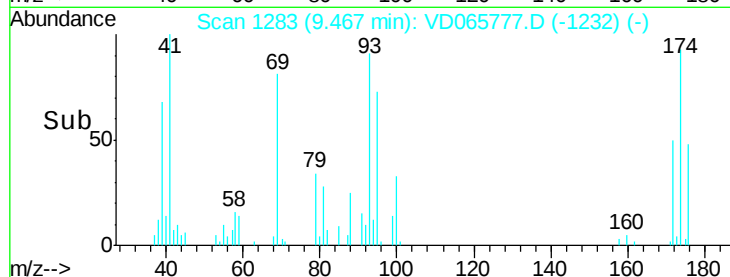
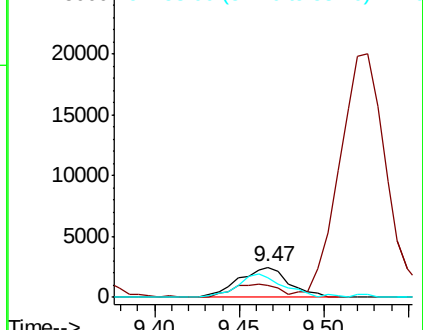
58 70.6 54.9 82.3



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: 53.534 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065777.D

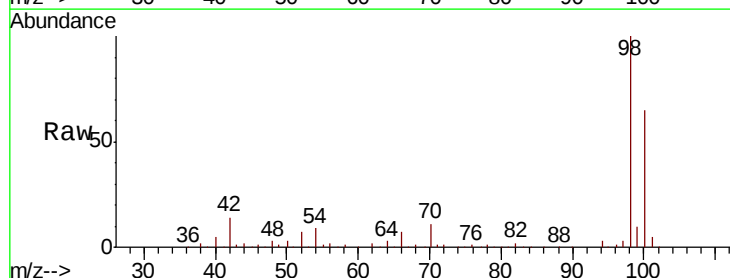
Acq: 08 Jun 2020 13:41

Tgt Ion: 98 Resp: 429844

Ion Ratio Lower Upper

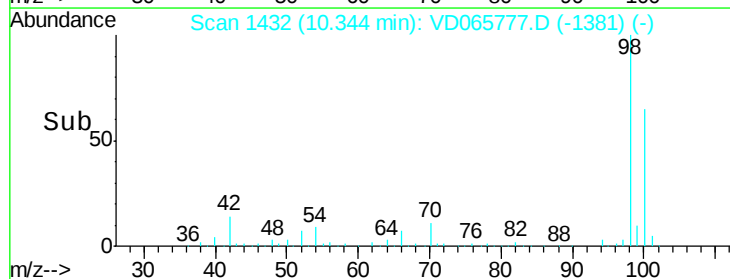
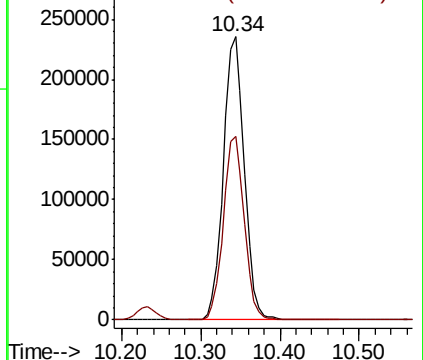
98 100

100 64.8 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: 104.144 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

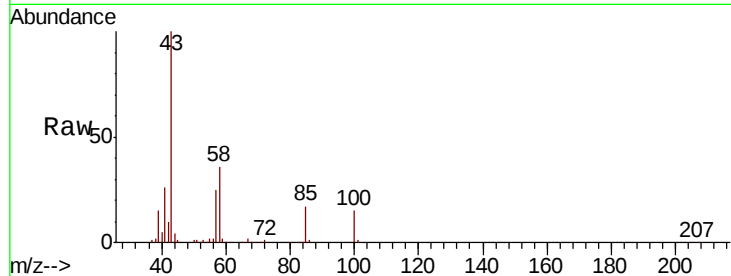
VD0608SBS01

Tot Ion: 43 Resp: 130526

Ion Ratio Lower Upper

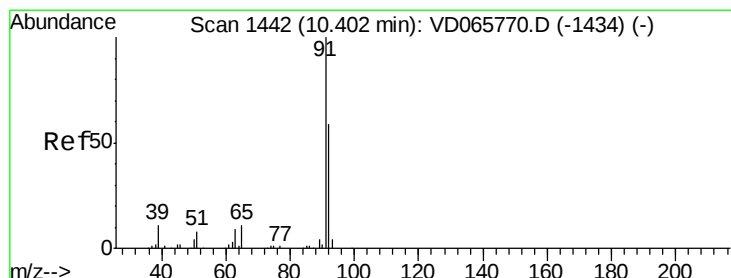
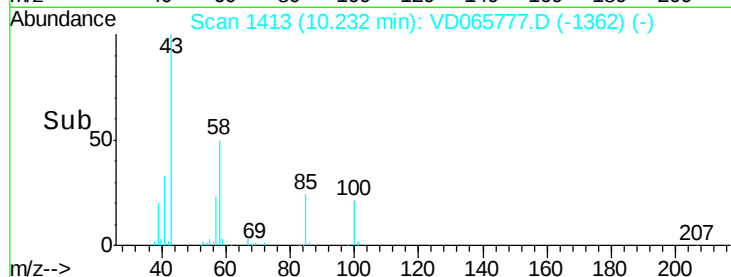
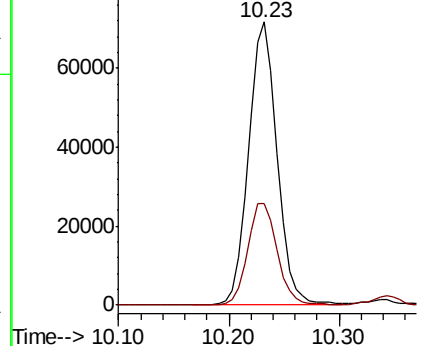
43 100

58 37.0 30.7 46.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.398 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065777.D

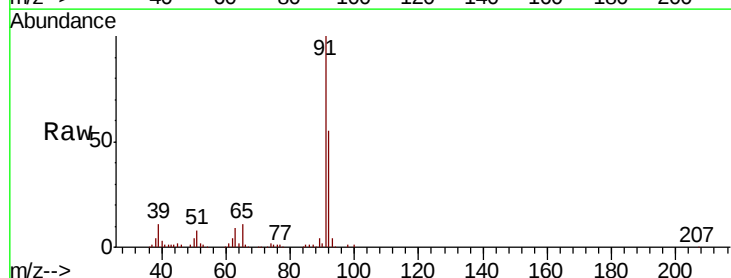
Acq: 08 Jun 2020 13:41

Tgt Ion: 92 Resp: 124122

Ion Ratio Lower Upper

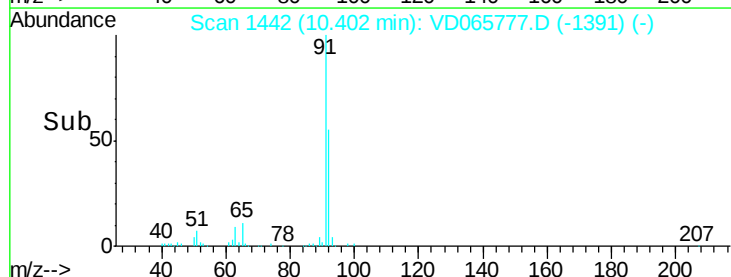
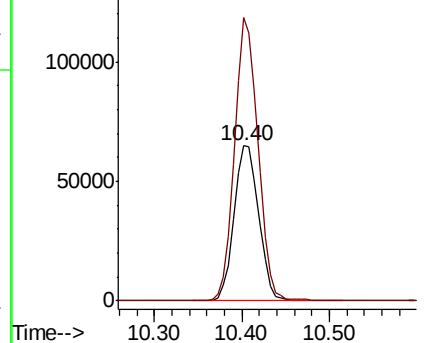
92 100

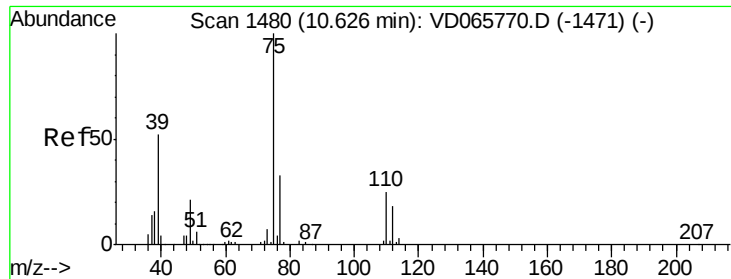
91 173.8 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.586 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

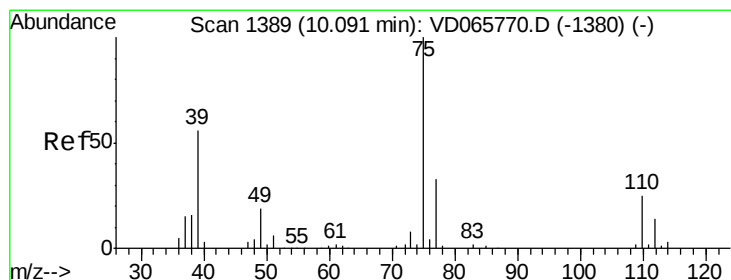
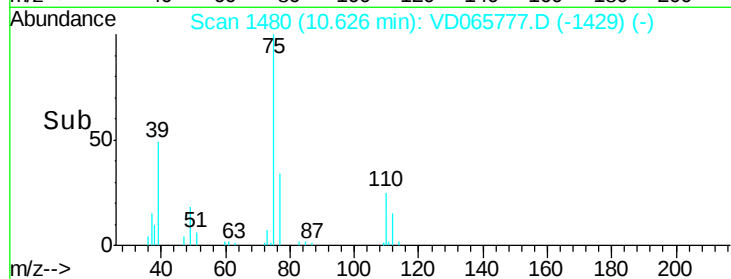
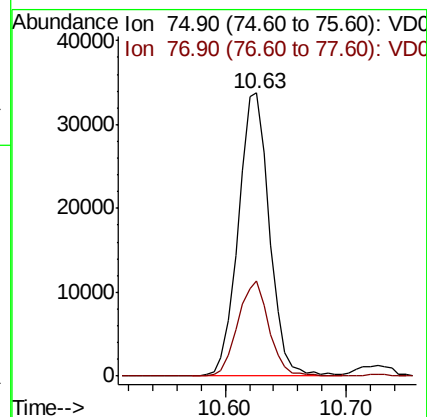
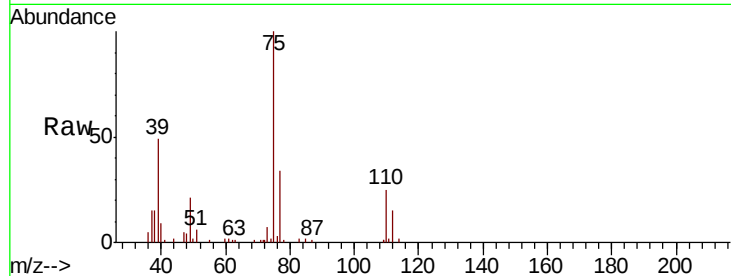
VD0608SBS01

Tot Ion: 75 Resp: 60771

Ion Ratio Lower Upper

75 100

77 33.7 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 21.335 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

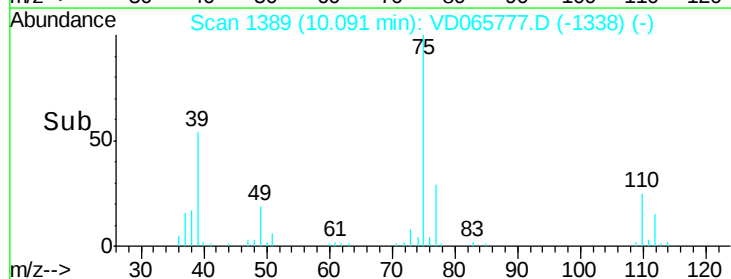
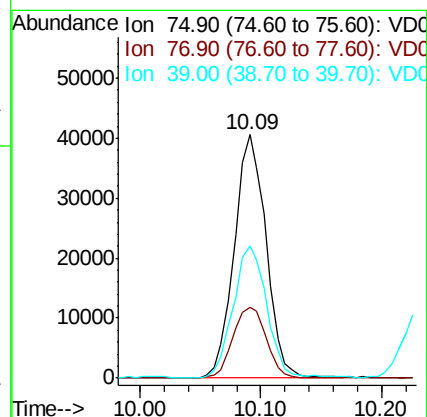
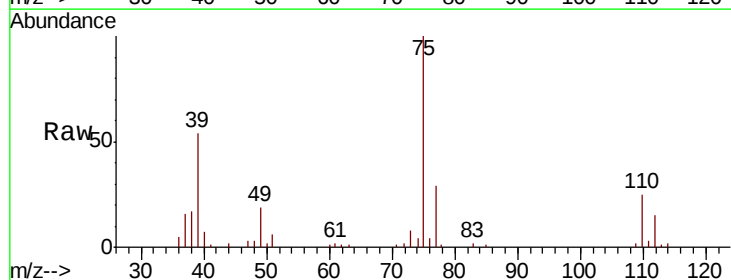
Tgt Ion: 75 Resp: 74386

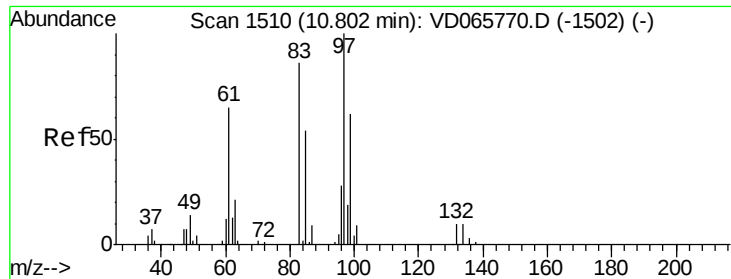
Ion Ratio Lower Upper

75 100

77 28.9 26.0 39.0

39 54.2 45.0 67.6

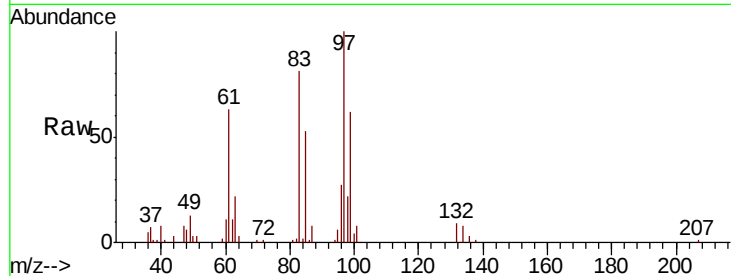




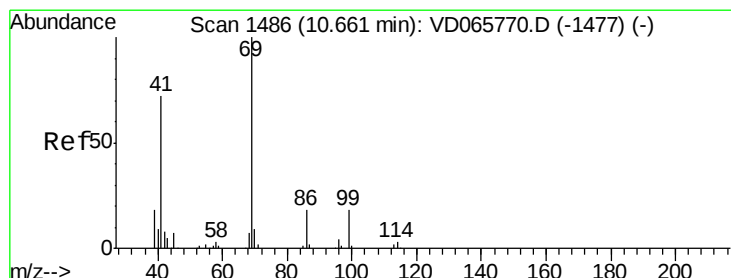
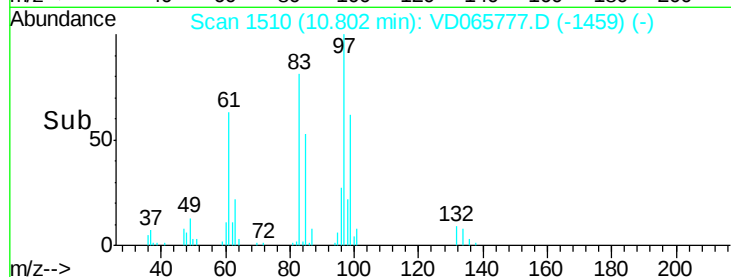
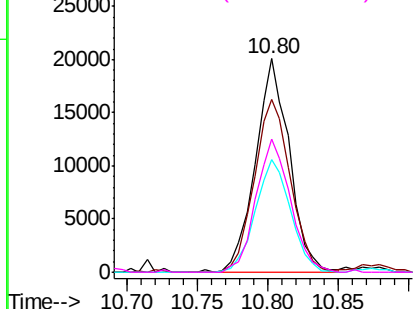
#55
 1,1,2-Trichloroethane
 Concen: 20.930 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Tot Ion: 97 Resp: 34023
 Ion Ratio Lower Upper
 97 100
 83 80.8 68.7 103.1
 85 53.0 43.0 64.6
 99 62.1 49.8 74.6

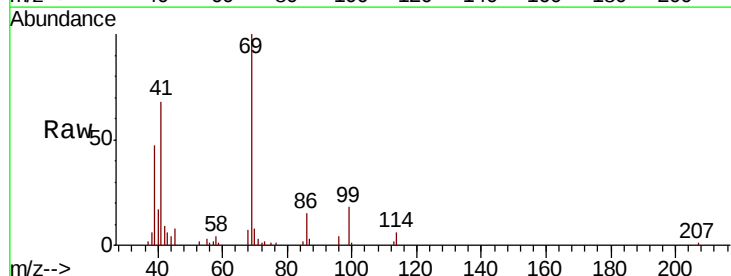


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

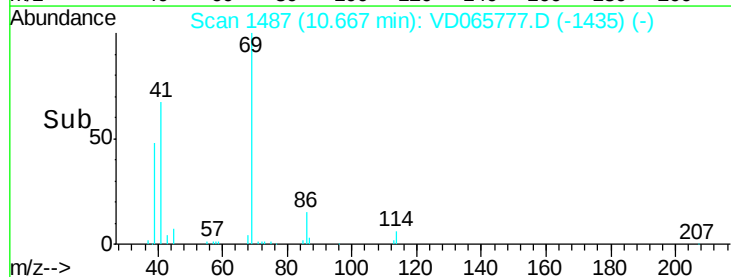
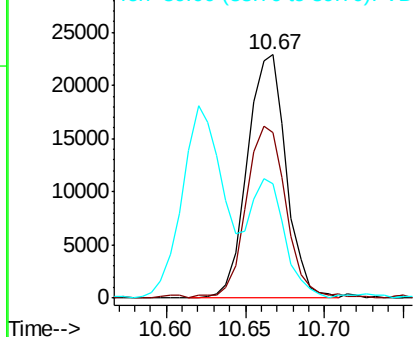


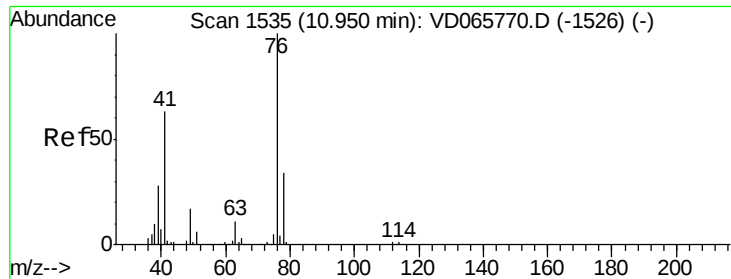
#56
 Ethyl methacrylate
 Concen: 20.404 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Tgt Ion: 69 Resp: 39011
 Ion Ratio Lower Upper
 69 100
 41 73.3 56.9 85.3
 39 46.2 36.0 54.0



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

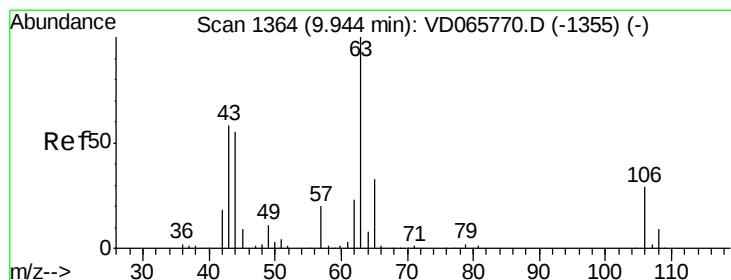
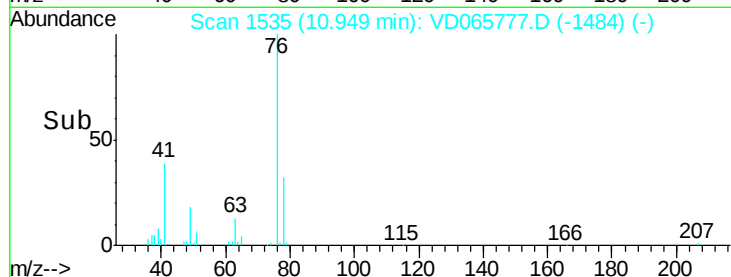
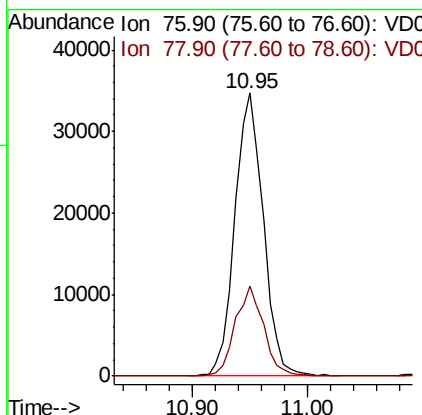
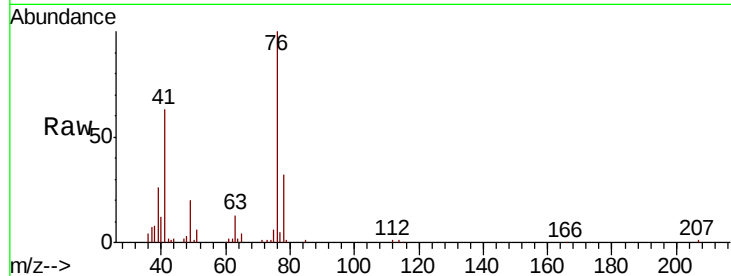




#57
 1,3-Dichloropropane
 Concen: 21.074 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

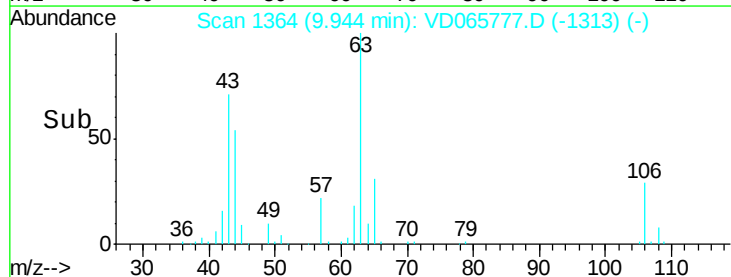
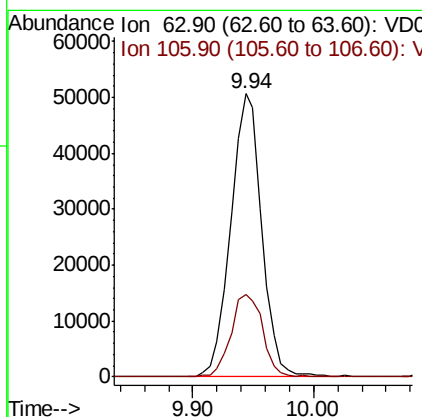
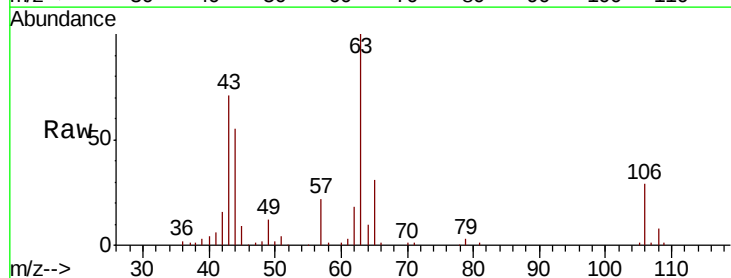
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

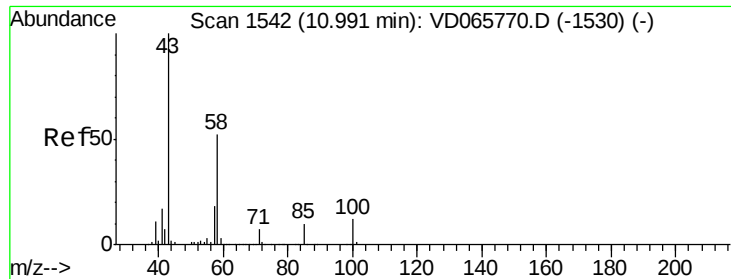
Tot Ion: 76 Resp: 59348
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.485 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Tgt Ion: 63 Resp: 90210
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.2 34.8

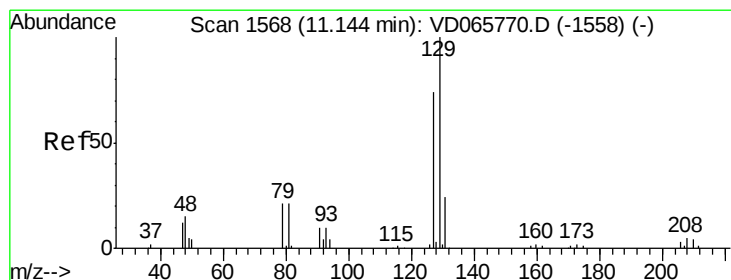
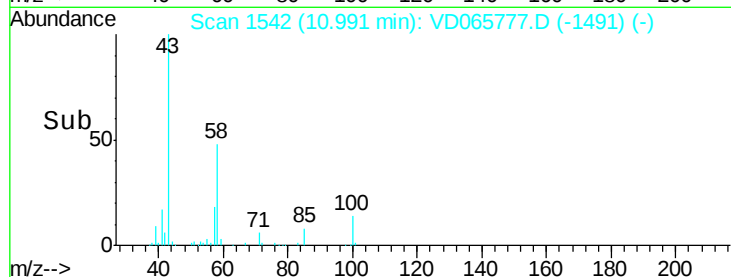
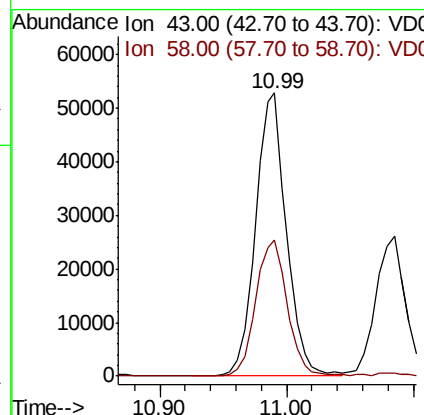
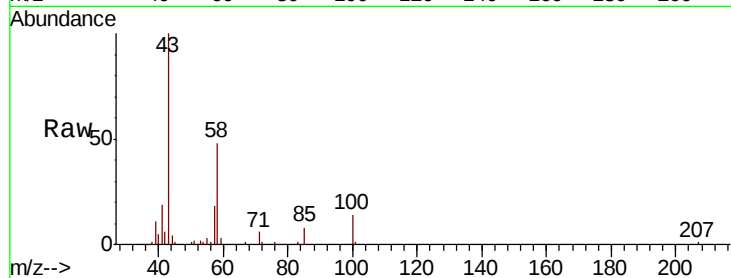




#59
2-Hexanone
Concen: 105.995 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

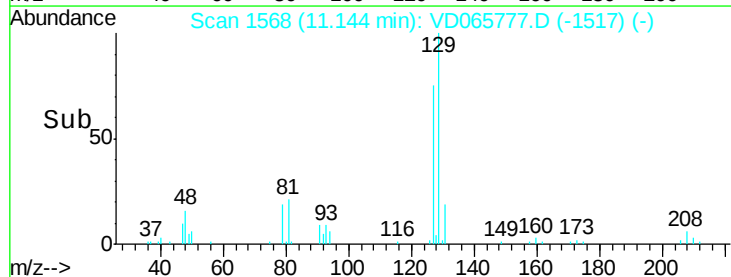
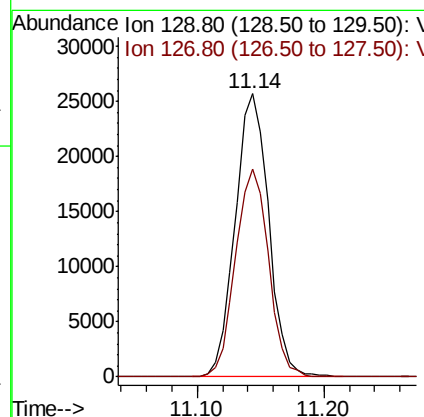
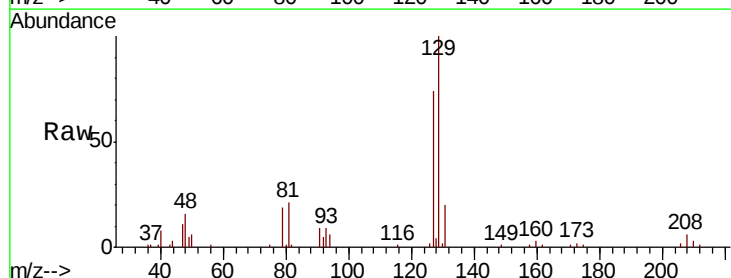
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

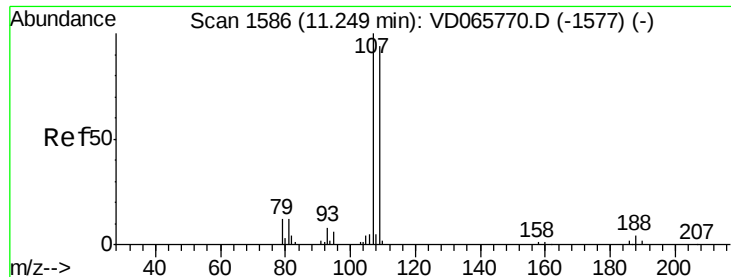
Tot Ion: 43 Resp: 89563
Ion Ratio Lower Upper
43 100
58 49.0 25.7 77.0



#60
Dibromochloromethane
Concen: 21.415 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion: 129 Resp: 47026
Ion Ratio Lower Upper
129 100
127 72.6 38.0 113.9

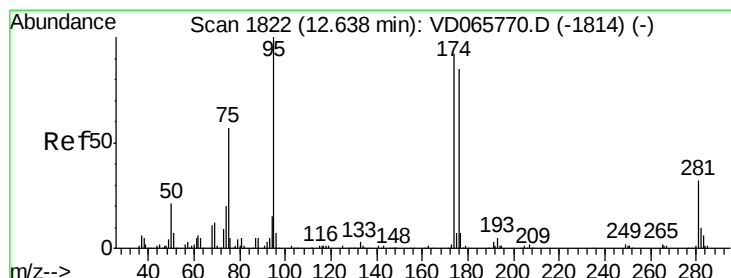
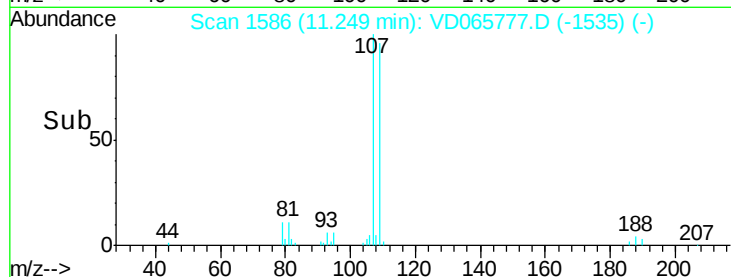
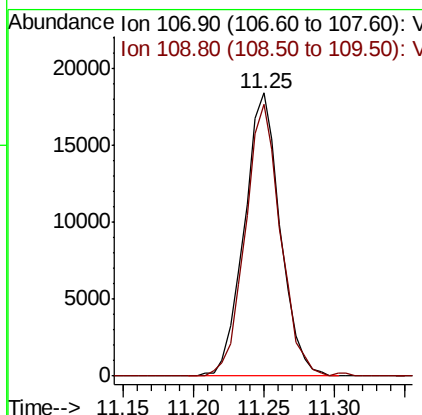
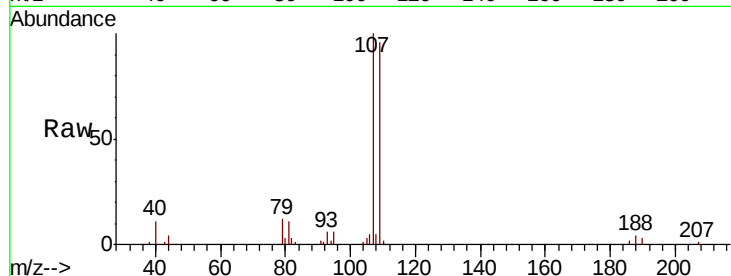




#61
 1,2-Dibromoethane
 Concen: 20.608 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

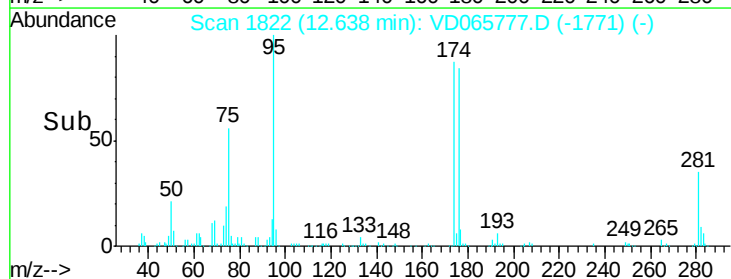
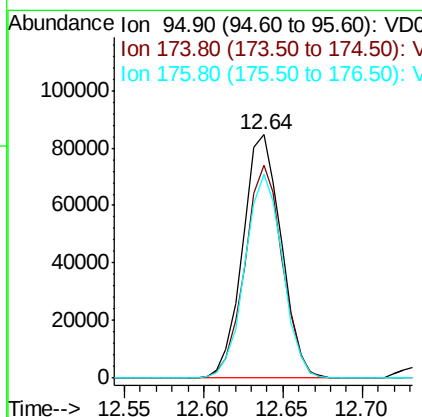
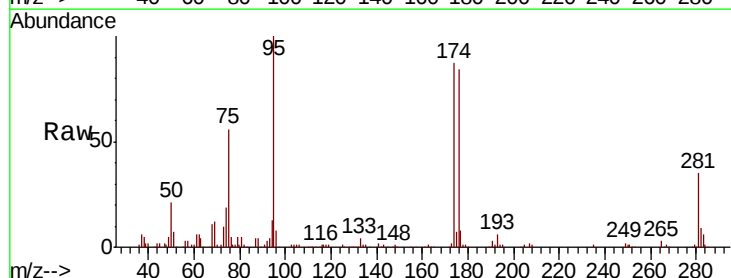
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

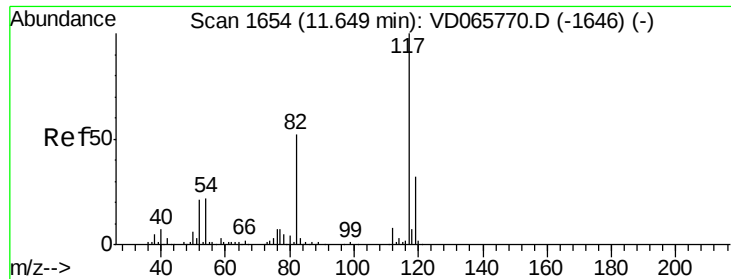
Tot Ion:107 Resp: 32921
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 52.592 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Tgt Ion: 95 Resp: 143211
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 175.2
 176 81.9 0.0 163.0

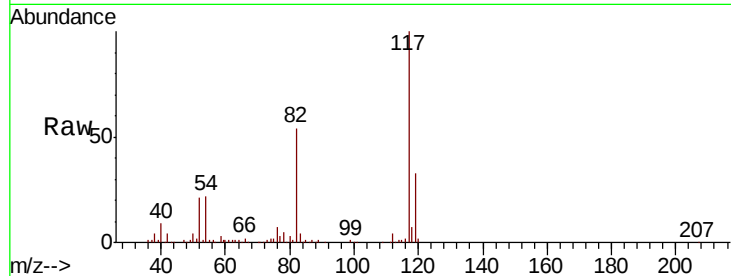




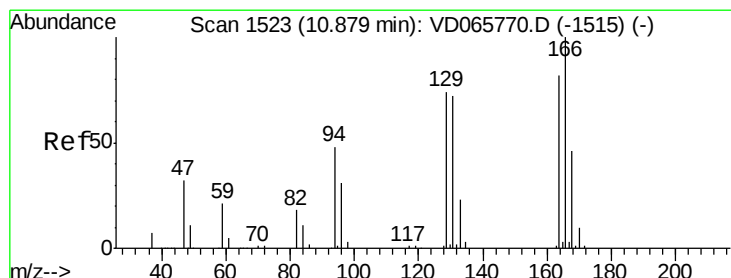
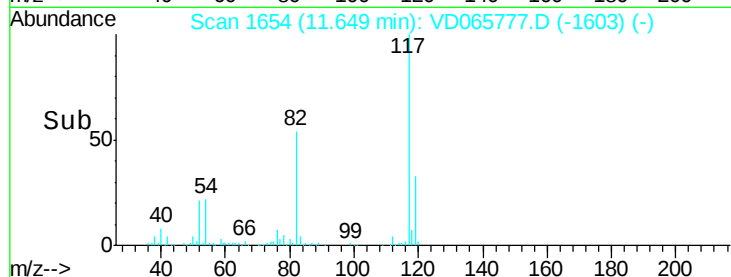
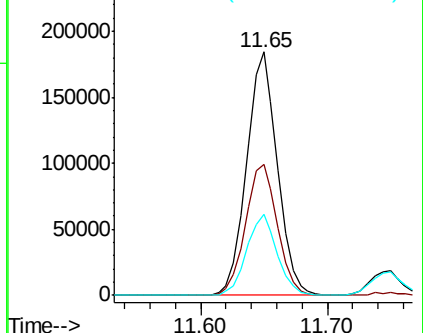
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion:117 Resp: 310655
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 33.4 25.3 37.9

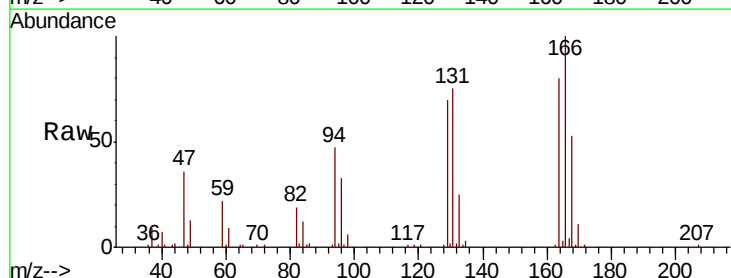


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

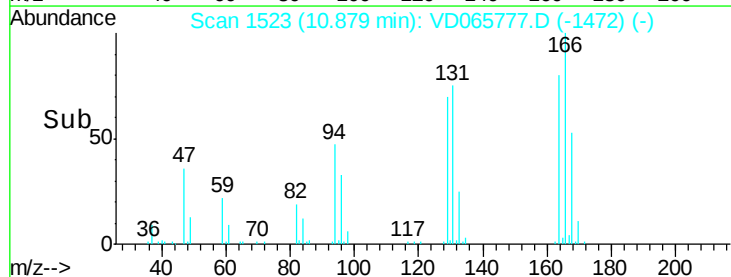
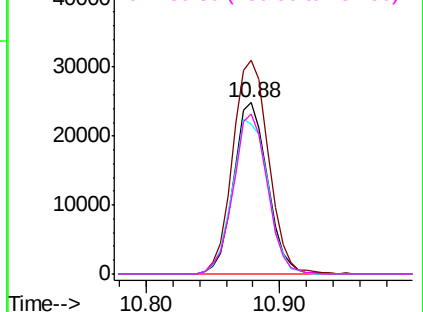


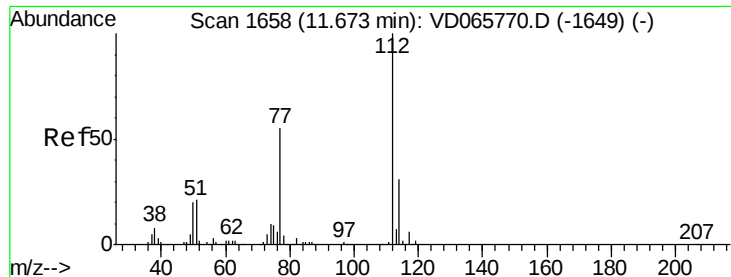
#64
Tetrachloroethene
Concen: 20.944 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion:164 Resp: 43997
Ion Ratio Lower Upper
164 100
166 124.7 98.2 147.2
129 87.7 72.3 108.5
131 93.1 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: 21.886 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

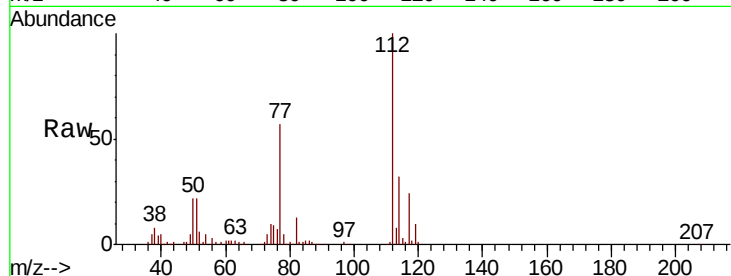
VD0608SBS01

Tot Ion:112 Resp: 132733

Ion Ratio Lower Upper

112 100

114 32.3 24.7 37.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

80000

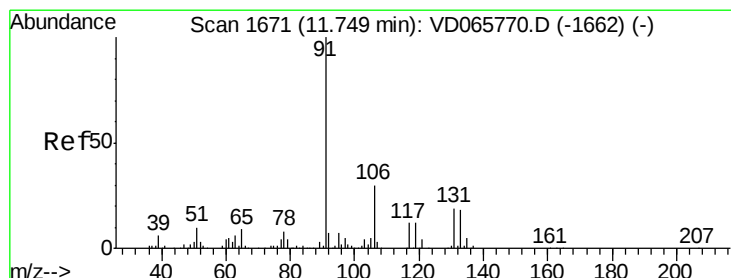
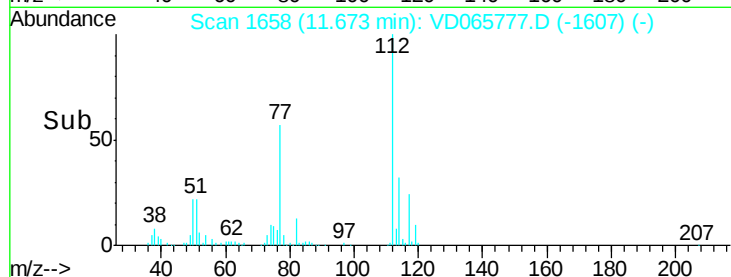
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.182 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

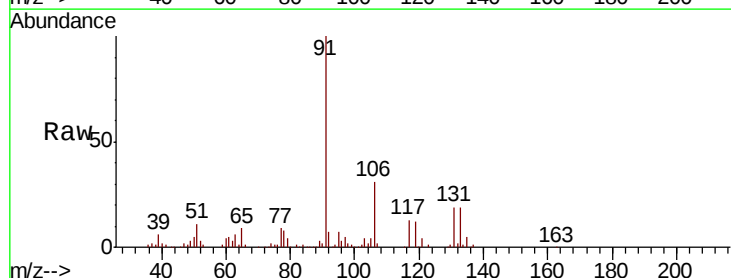
Tgt Ion:131 Resp: 47886

Ion Ratio Lower Upper

131 100

133 96.1 47.3 141.9

119 65.8 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

60000

50000

40000

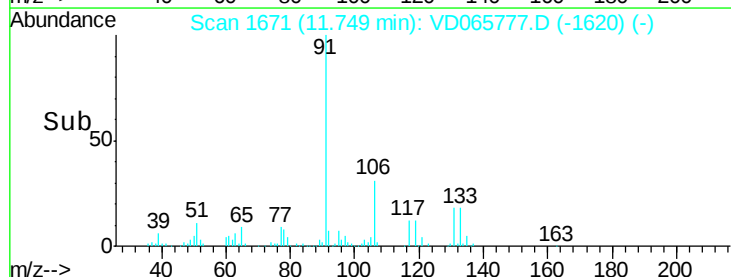
30000

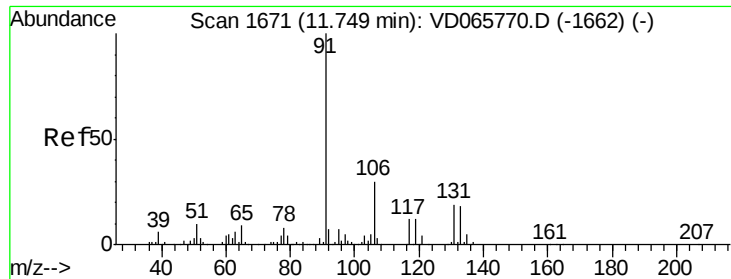
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 21.898 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

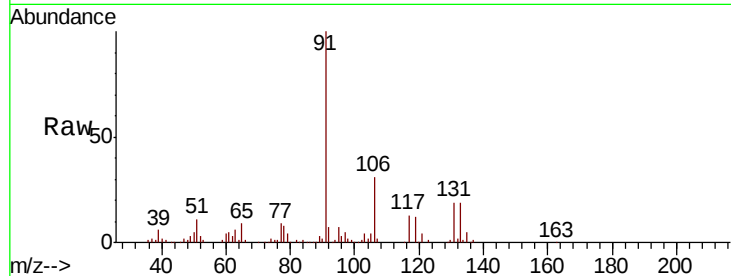
VD0608SBS01

Tot Ion: 91 Resp: 237242

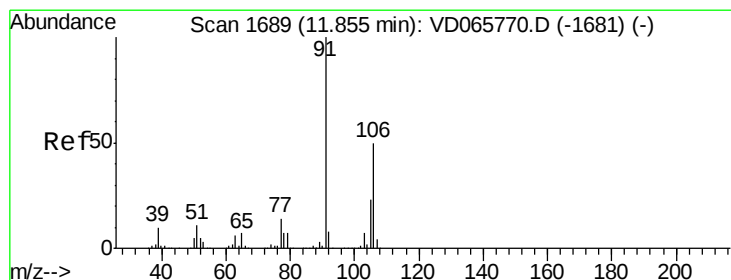
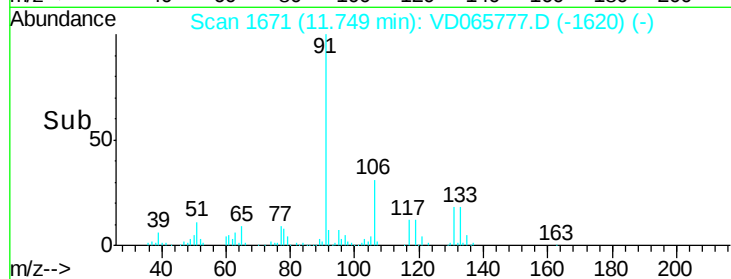
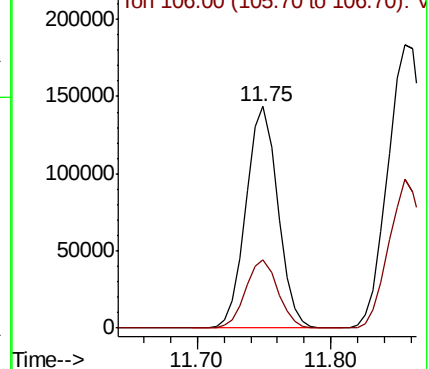
Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 43.241 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065777.D

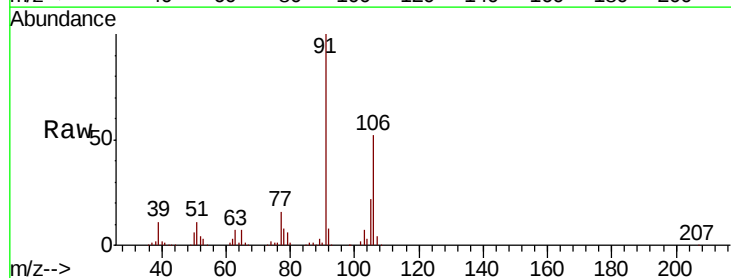
Acq: 08 Jun 2020 13:41

Tgt Ion: 106 Resp: 180450

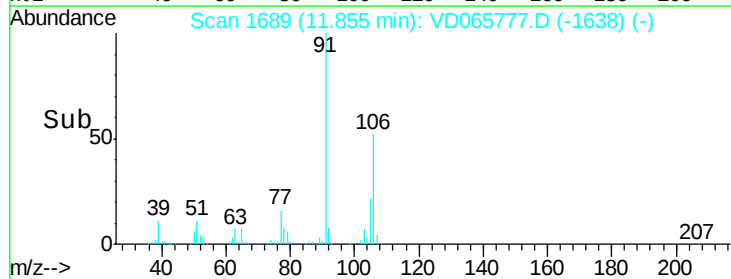
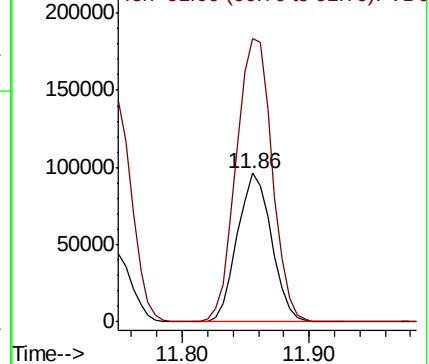
Ion Ratio Lower Upper

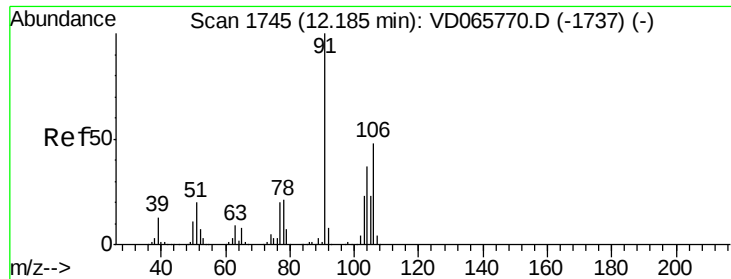
106 100

91 199.6 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

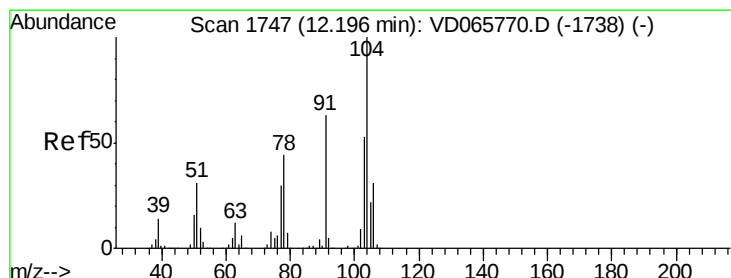
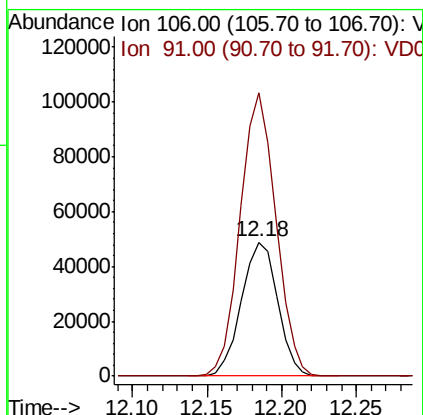
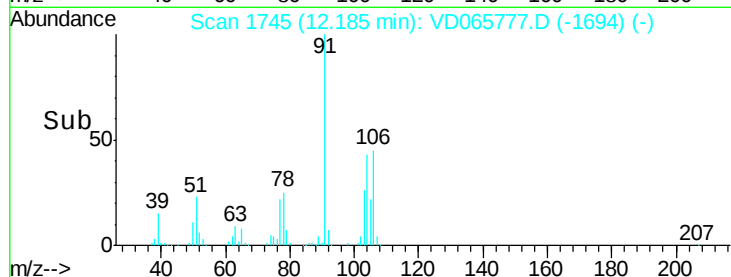
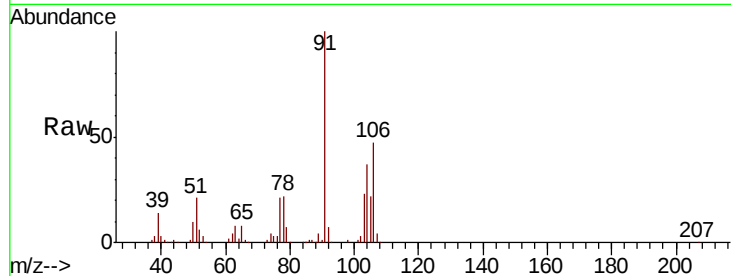




#69
o-Xylene
Concen: 21.822 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

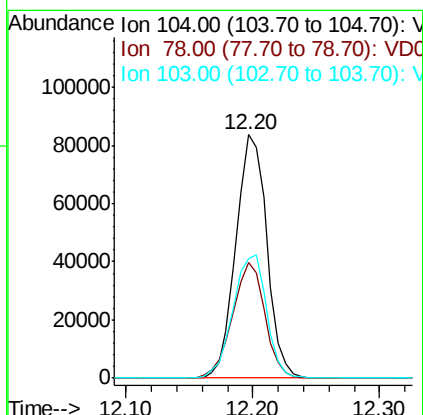
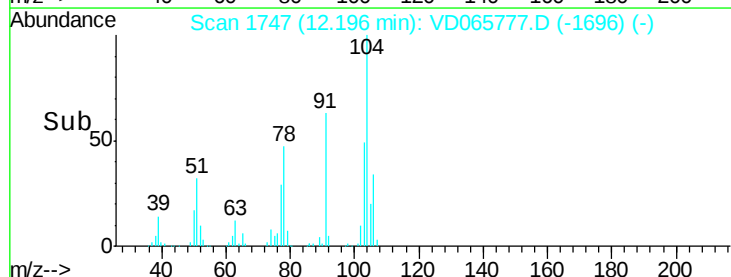
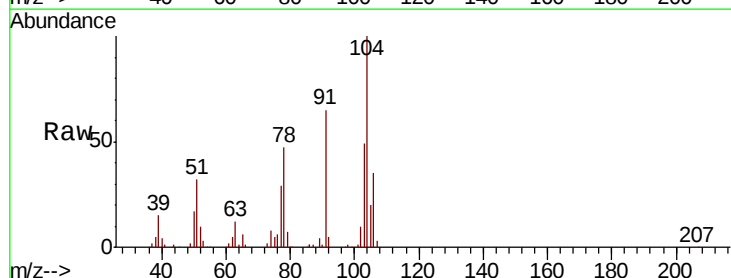
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

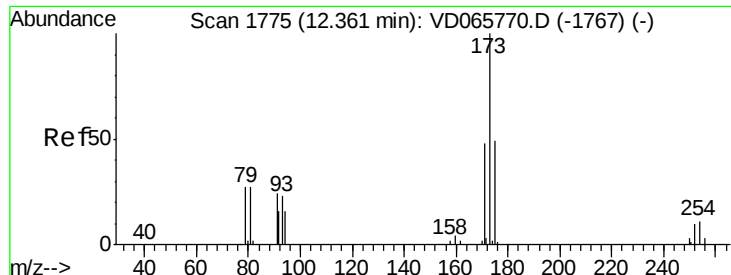
Tot Ion:106 Resp: 82108
Ion Ratio Lower Upper
106 100
91 208.9 105.3 315.8



#70
Styrene
Concen: 21.779 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion:104 Resp: 141859
Ion Ratio Lower Upper
104 100
78 49.3 38.6 58.0
103 54.9 43.9 65.9





#71

Bromoform

Concen: 20.870 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

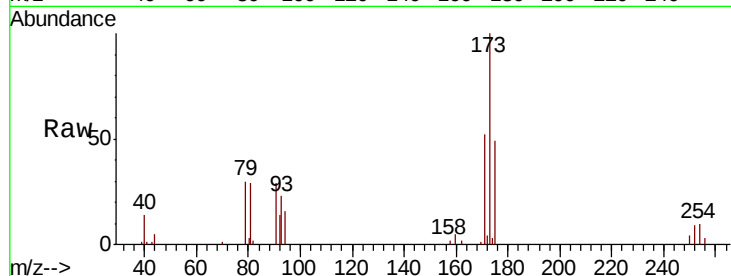
Tot Ion:173 Resp: 25980

Ion Ratio Lower Upper

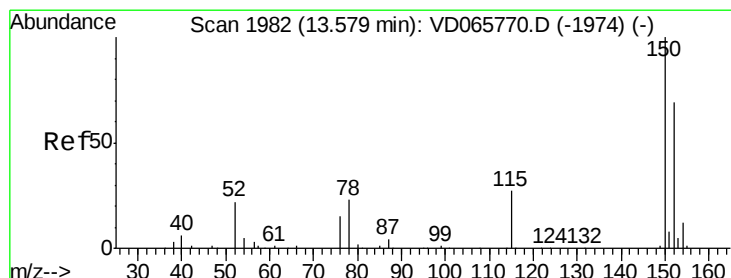
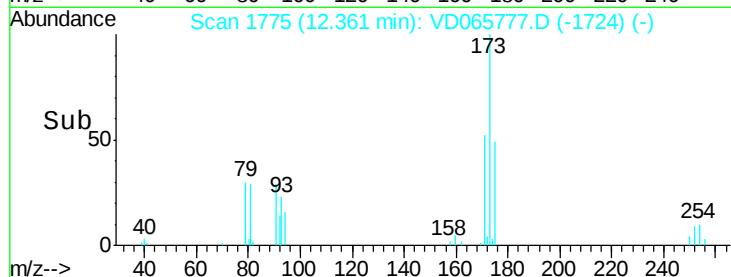
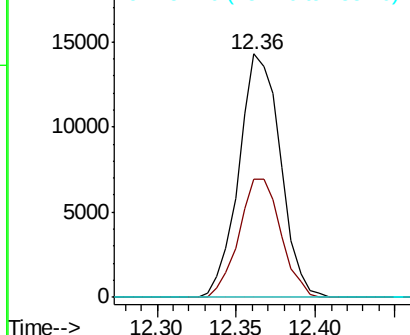
173 100

175 49.0 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: VD065777.D

Acq: 08 Jun 2020 13:41

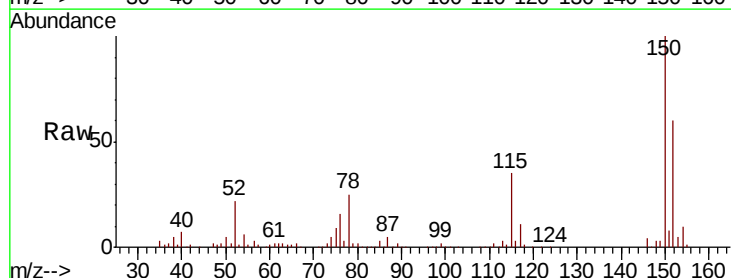
Tgt Ion:152 Resp: 155444

Ion Ratio Lower Upper

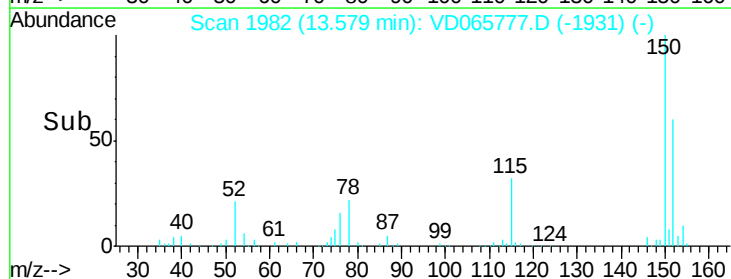
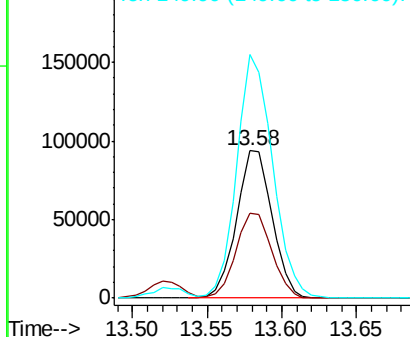
152 100

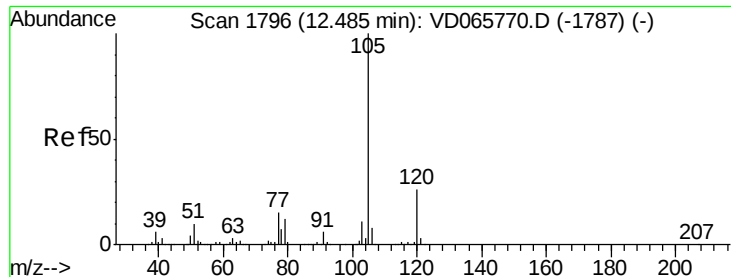
115 58.2 28.7 86.1

150 167.1 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

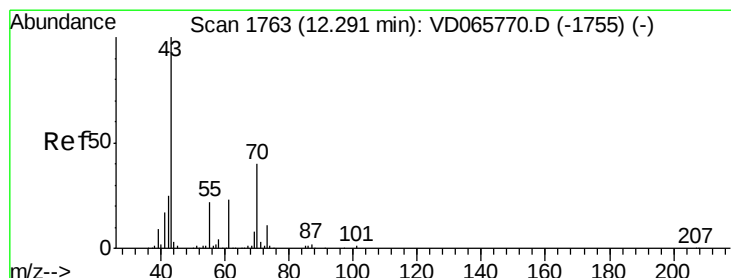
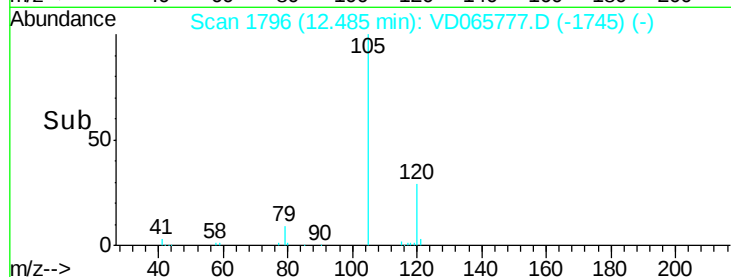
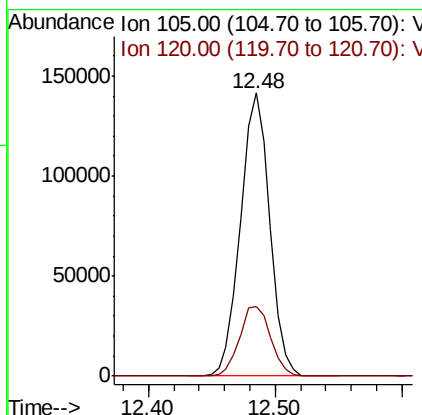
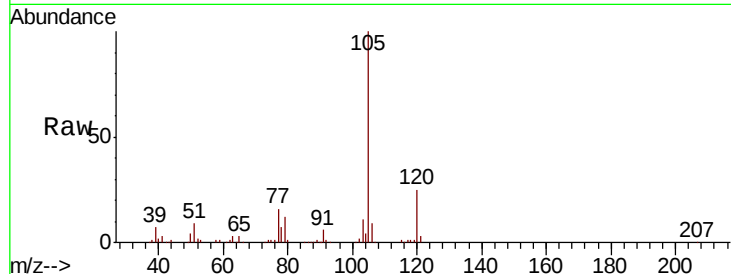




#73
Isopropylbenzene
Concen: 21.672 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

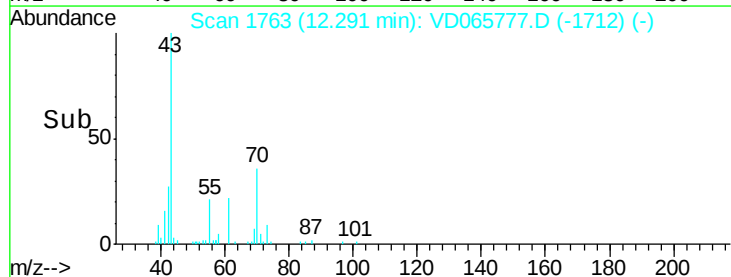
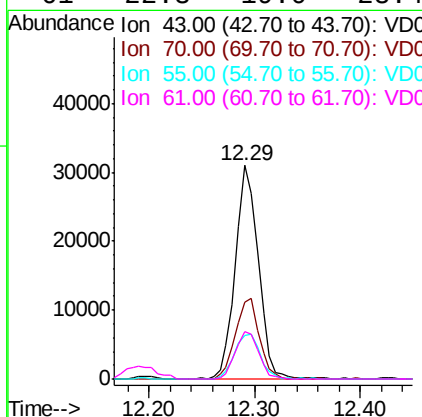
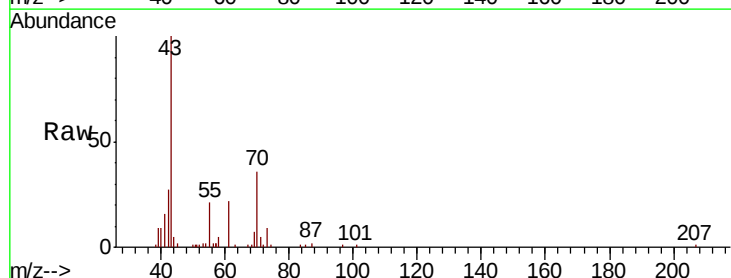
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

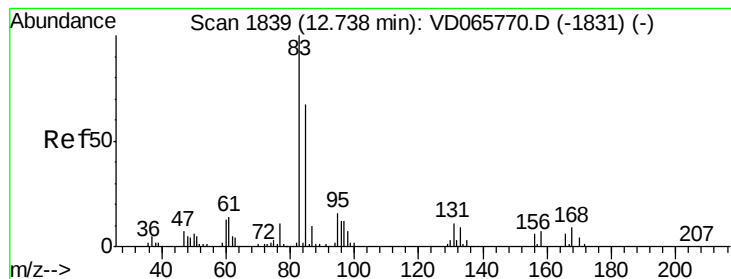
Tot Ion:105 Resp: 225861
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.5



#74
N-ethyl acetate
Concen: 20.155 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion: 43 Resp: 46732
Ion Ratio Lower Upper
43 100
70 38.7 32.3 48.5
55 23.3 19.0 28.4
61 22.3 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.251 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

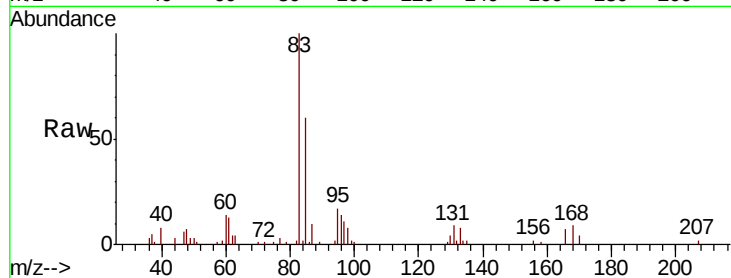
Tot Ion: 83 Resp: 35643

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

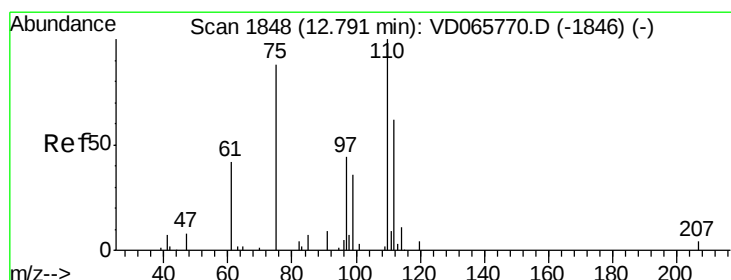
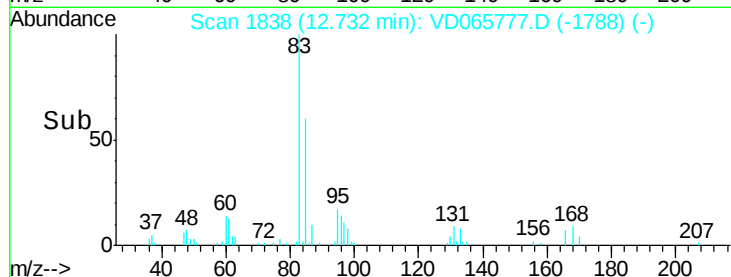
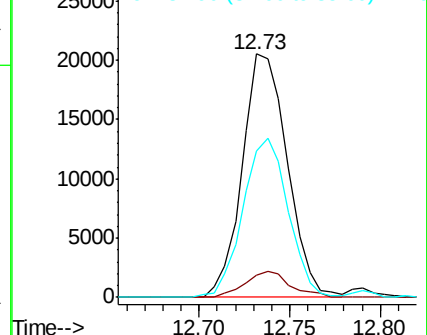
85 65.4 32.5 97.5



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: 39.574 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065777.D

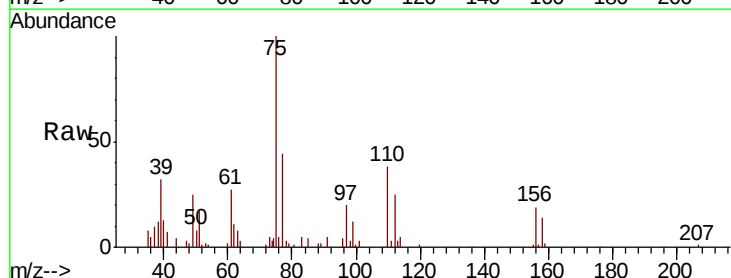
Acq: 08 Jun 2020 13:41

Tgt Ion: 75 Resp: 47842

Ion Ratio Lower Upper

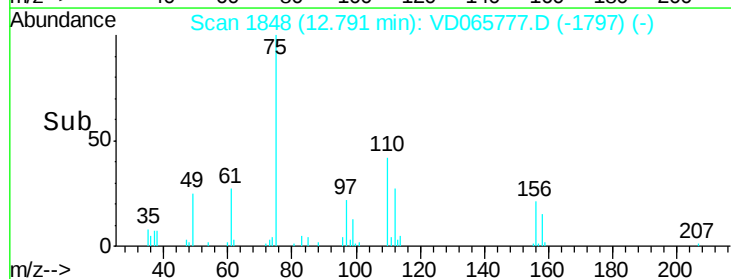
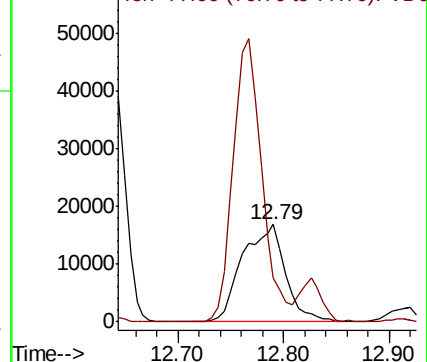
75 100

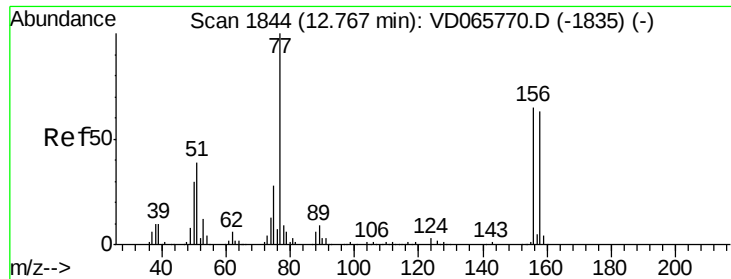
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.211 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

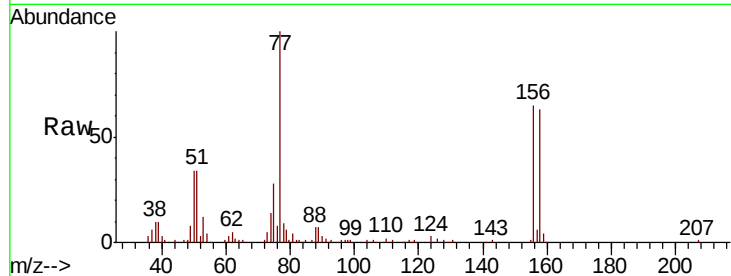
Tot Ion:156 Resp: 54768

Ion Ratio Lower Upper

156 100

77 169.2 87.3 261.8

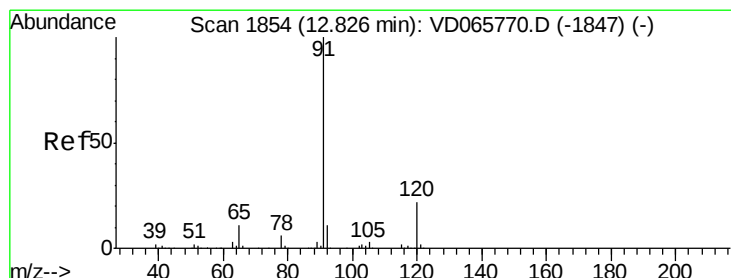
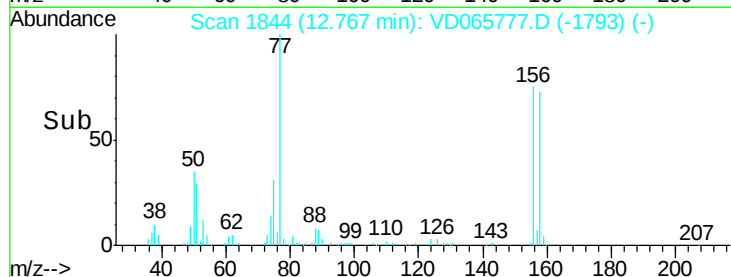
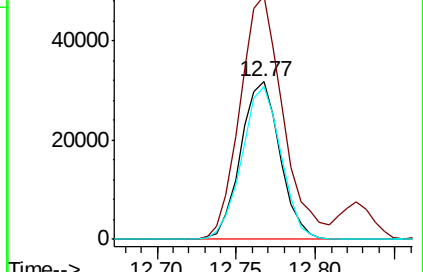
158 96.1 48.0 144.0



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: 21.870 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065777.D

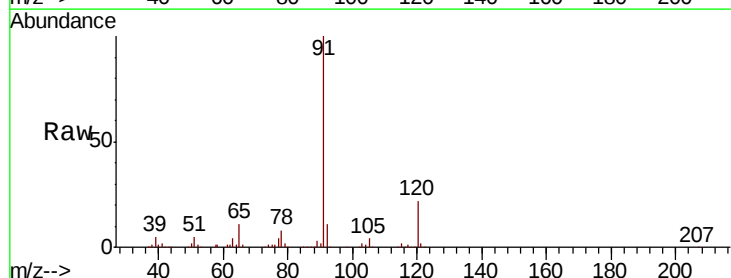
Acq: 08 Jun 2020 13:41

Tgt Ion: 91 Resp: 274357

Ion Ratio Lower Upper

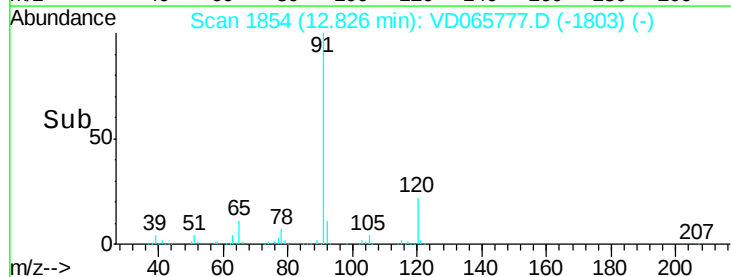
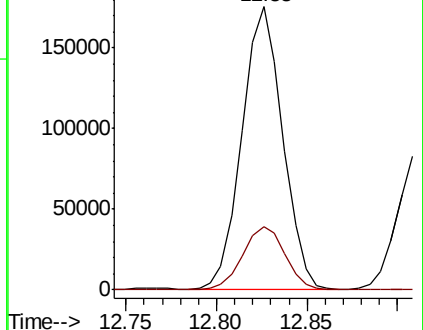
91 100

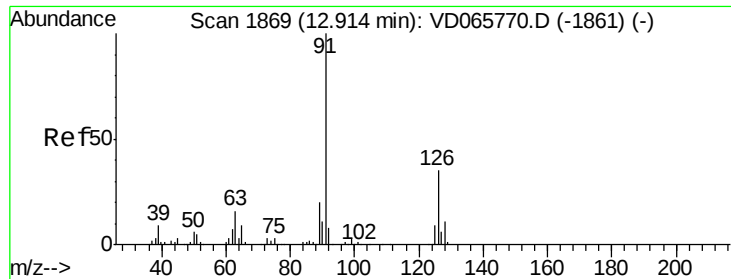
120 23.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.800 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

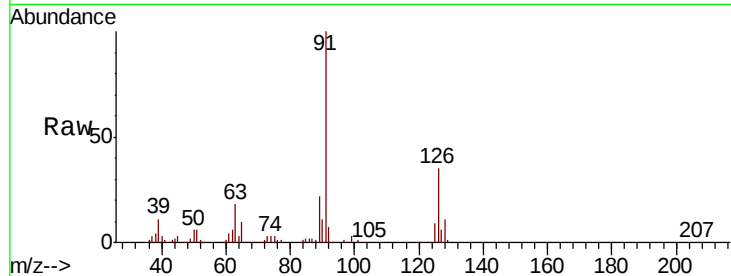
VD0608SBS01

Tot Ion: 91 Resp: 150026

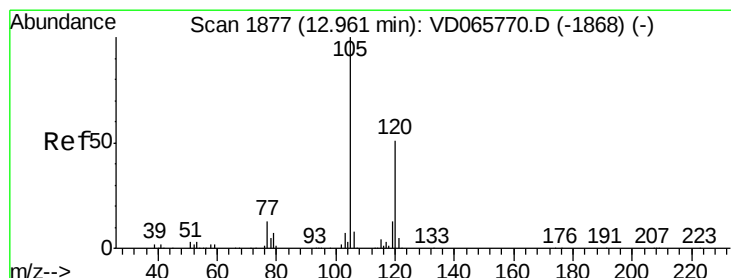
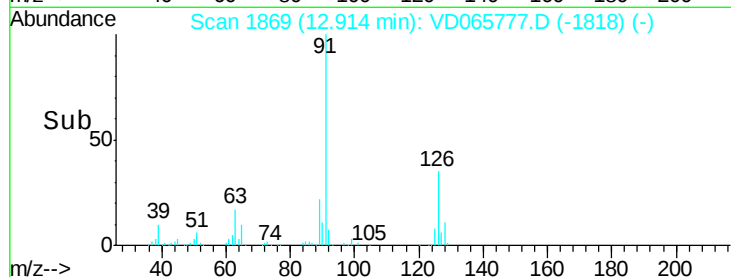
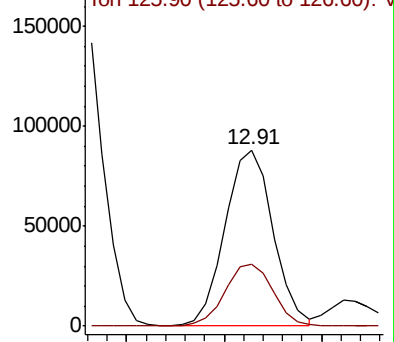
Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.684 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065777.D

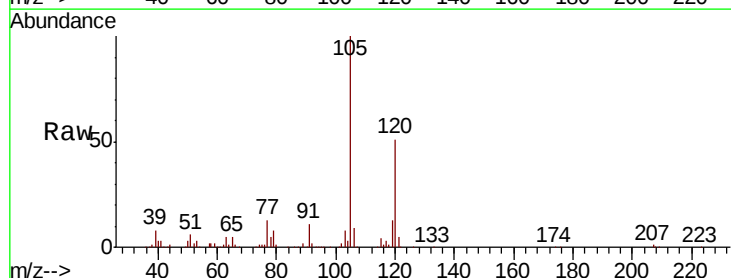
Acq: 08 Jun 2020 13:41

Tgt Ion:105 Resp: 188064

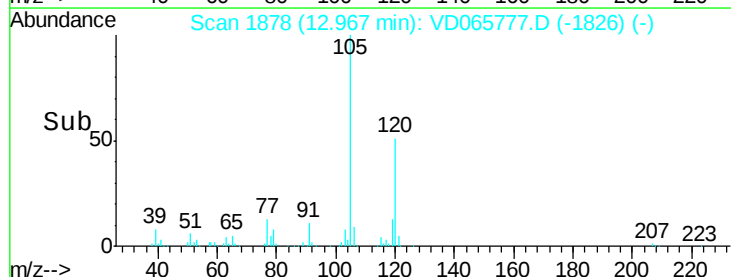
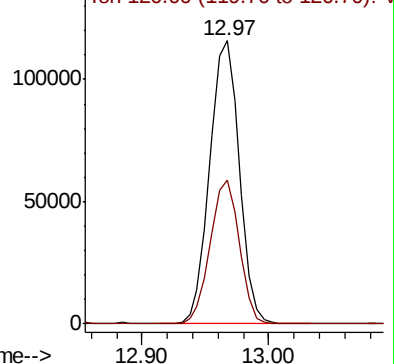
Ion Ratio Lower Upper

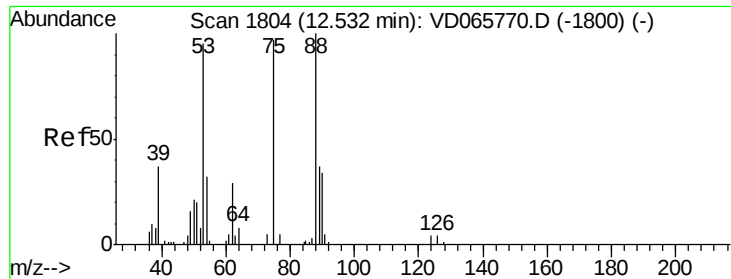
105 100

120 50.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.564 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

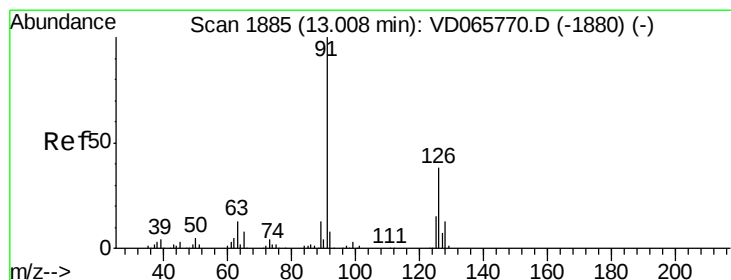
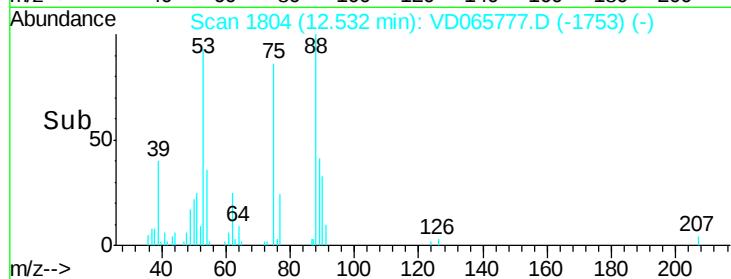
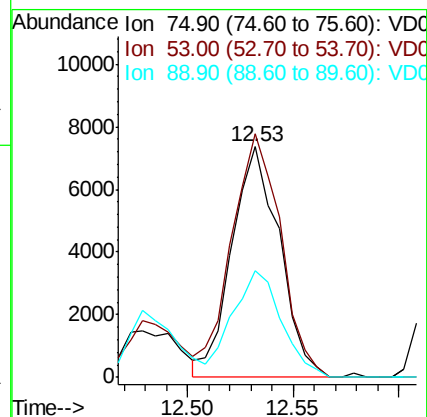
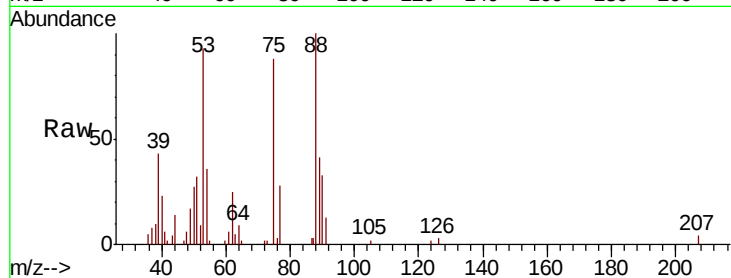
Tot Ion: 75 Resp: 11506

Ion Ratio Lower Upper

75 100

53 109.3 82.6 123.8

89 47.8 35.9 53.9



#82

4-Chlorotoluene

Concen: 21.924 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065777.D

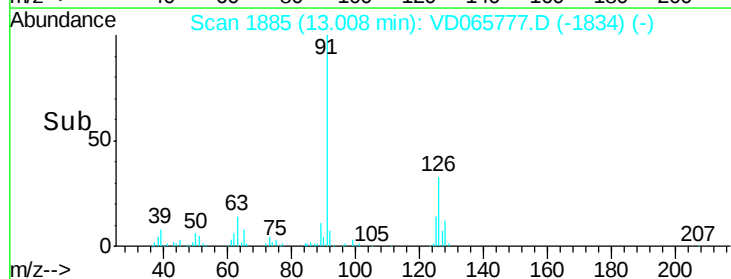
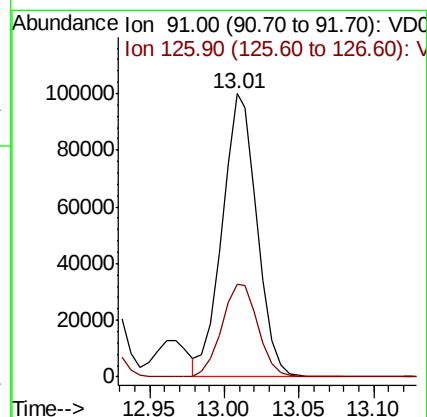
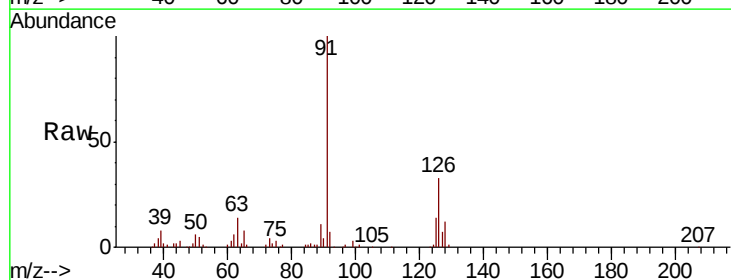
Acq: 08 Jun 2020 13:41

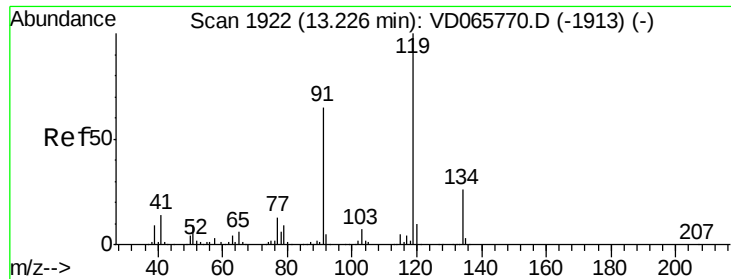
Tgt Ion: 91 Resp: 161951

Ion Ratio Lower Upper

91 100

126 34.1 17.6 52.8

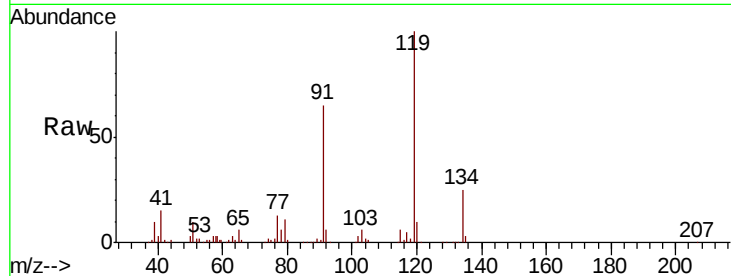




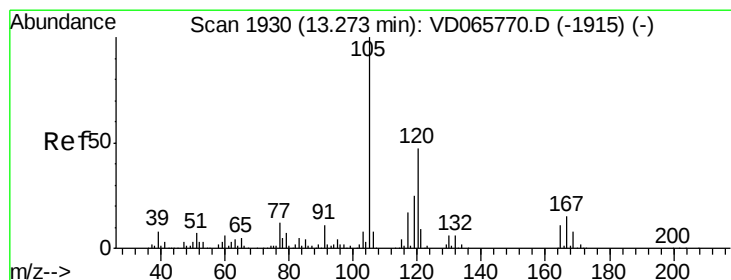
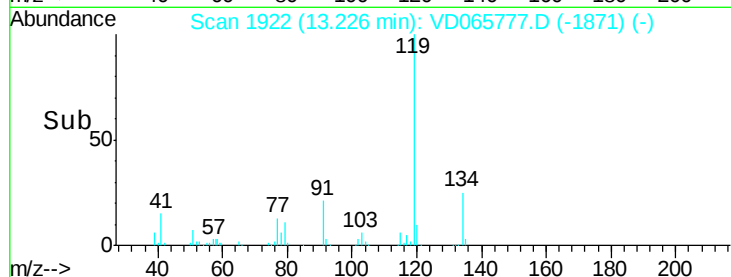
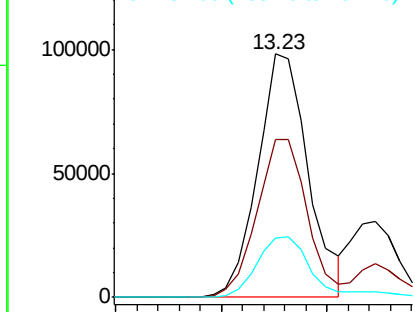
#83
tert-Butylbenzene
Concen: 21.745 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion:119 Resp: 163641
Ion Ratio Lower Upper
119 100
91 64.1 32.0 96.0
134 27.4 13.8 41.4

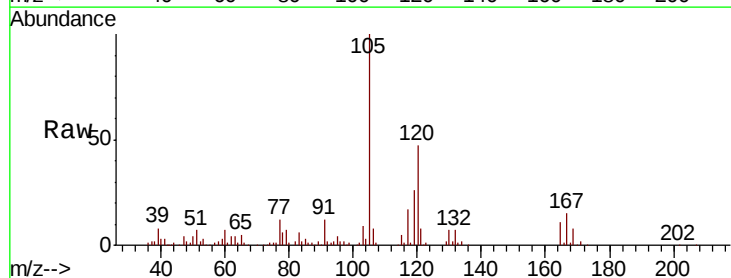


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

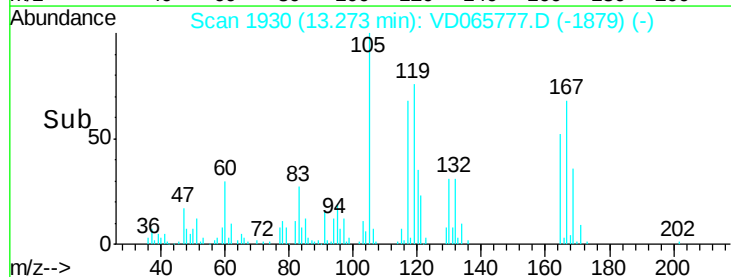
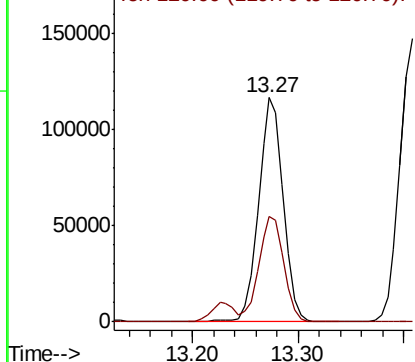


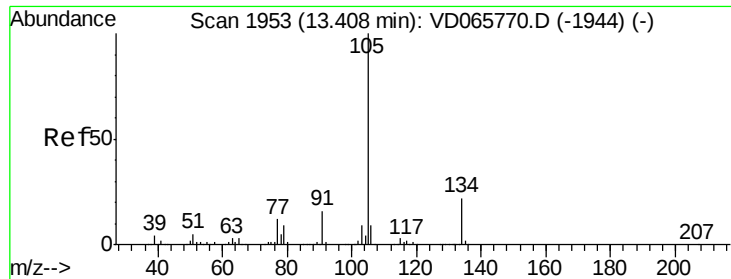
#84
1,2,4-Trimethylbenzene
Concen: 21.707 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion:105 Resp: 188431
Ion Ratio Lower Upper
105 100
120 47.7 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: 21.864 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

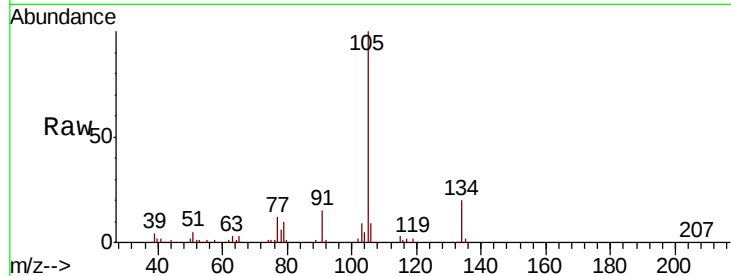
VD0608SBS01

Tot Ion:105 Resp: 228978

Ion Ratio Lower Upper

105 100

134 20.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

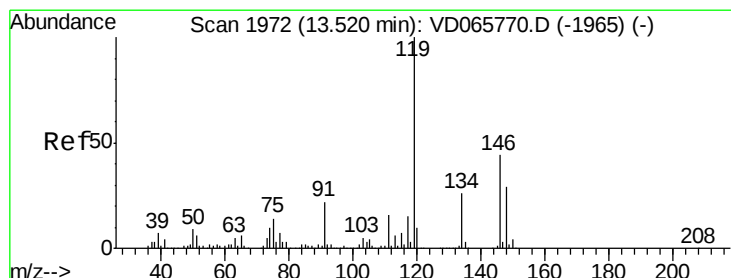
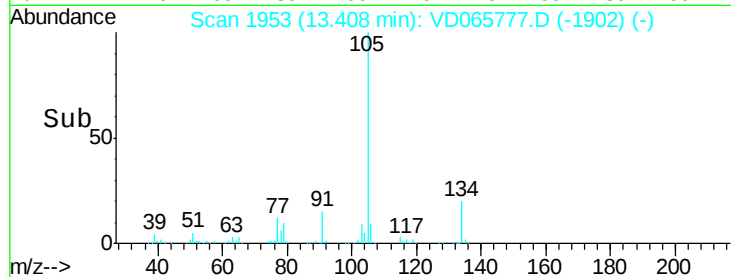
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.746 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

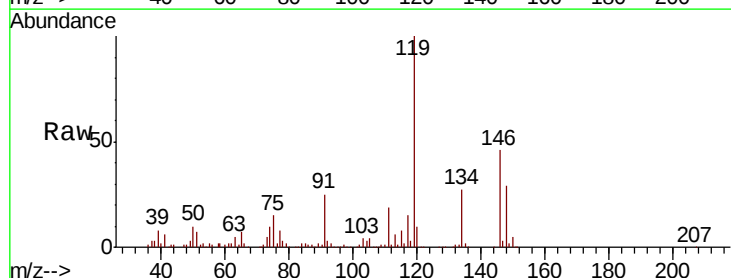
Tgt Ion:119 Resp: 208734

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 25.1 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

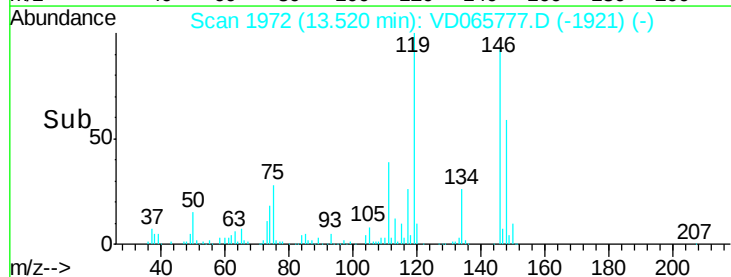
150000

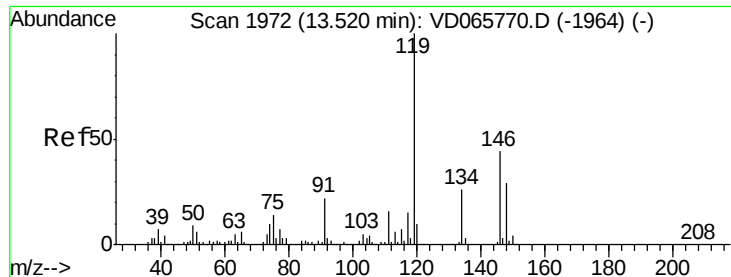
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.328 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

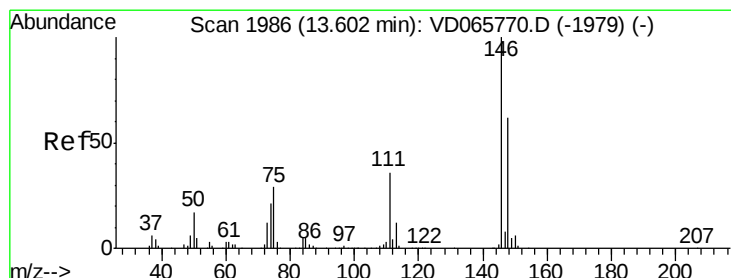
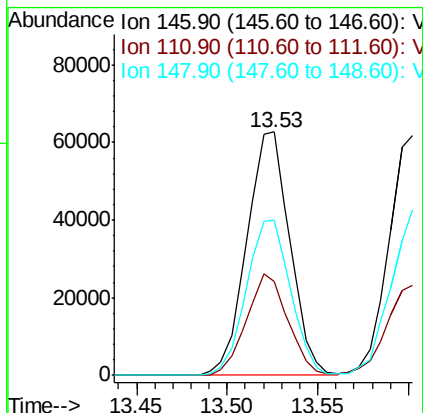
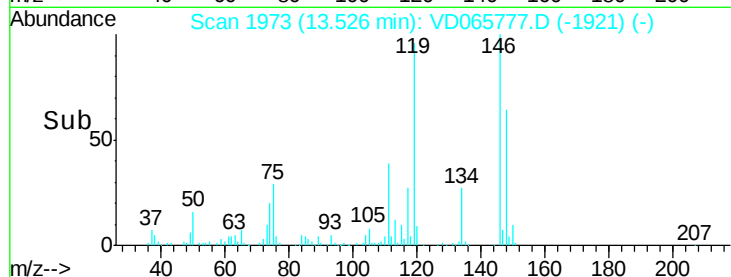
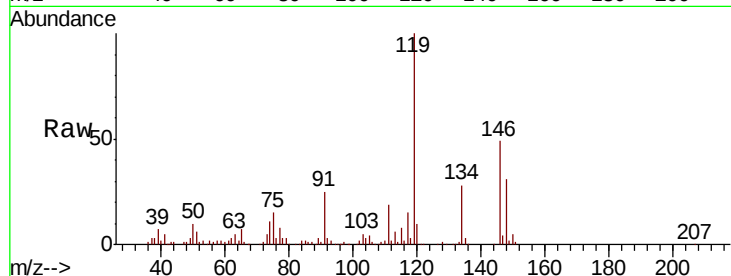
Tot Ion:146 Resp: 103699

Ion Ratio Lower Upper

146 100

111 40.0 19.2 57.6

148 65.4 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 21.358 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065777.D

Acq: 08 Jun 2020 13:41

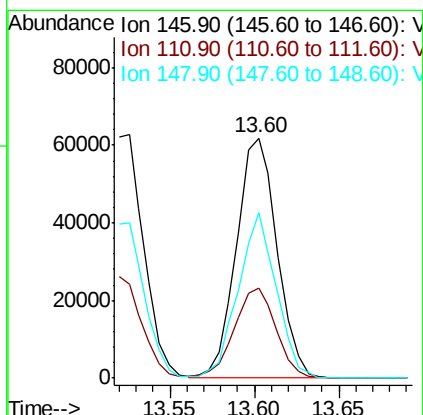
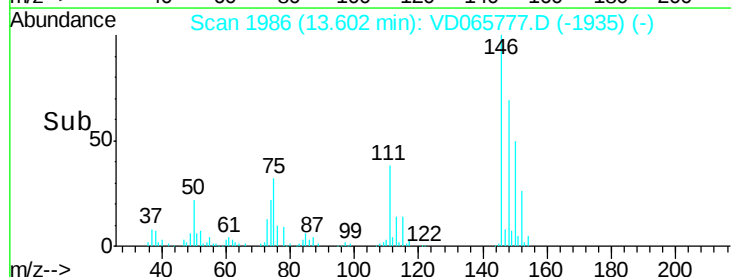
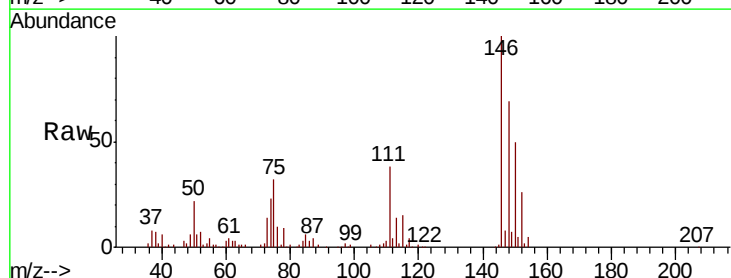
Tgt Ion:146 Resp: 103297

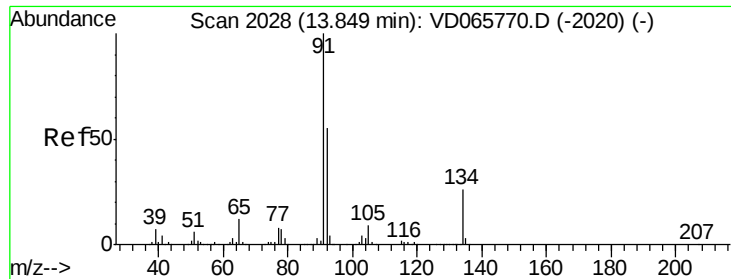
Ion Ratio Lower Upper

146 100

111 38.8 18.9 56.7

148 64.6 31.6 94.7

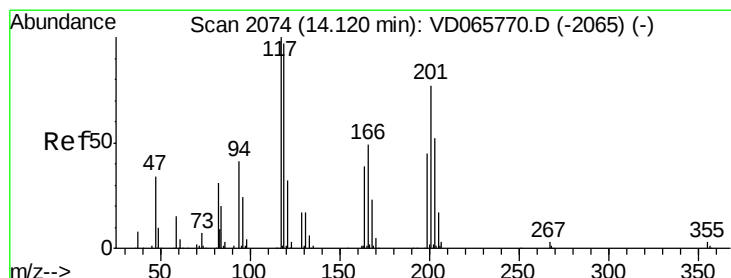
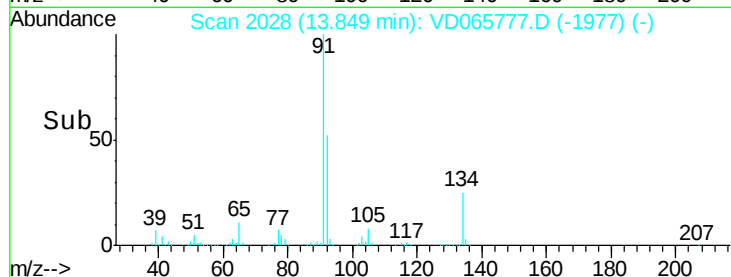
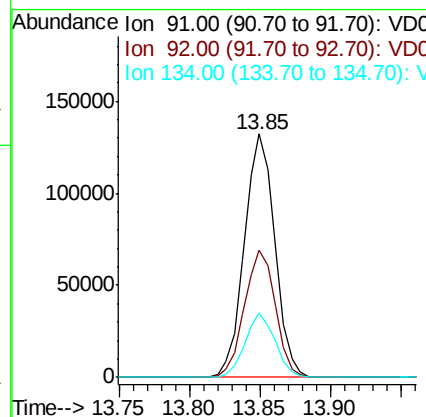
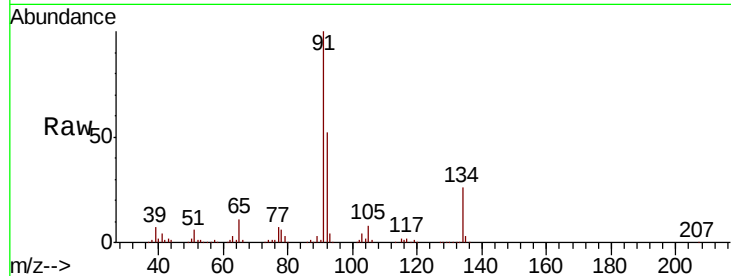




#89
n-Butylbenzene
Concen: 21.795 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

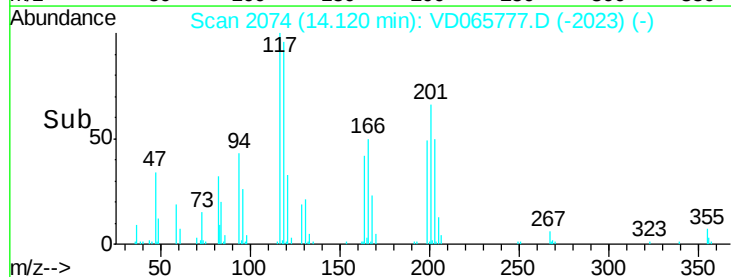
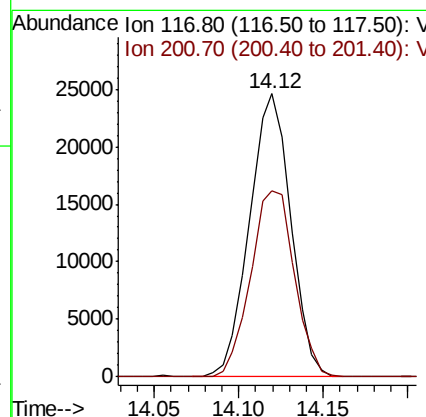
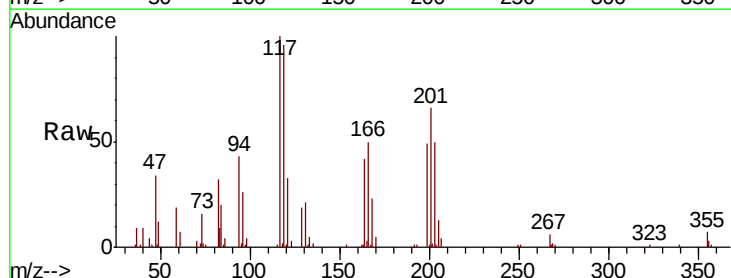
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

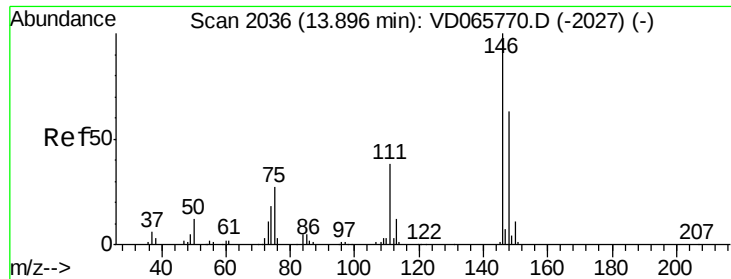
Tot Ion: 91 Resp: 199525
Ion Ratio Lower Upper
91 100
92 52.9 27.0 81.0
134 26.1 13.0 39.0



#90
Hexachloroethane
Concen: 21.722 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion: 117 Resp: 41736
Ion Ratio Lower Upper
117 100
201 69.9 37.1 111.5

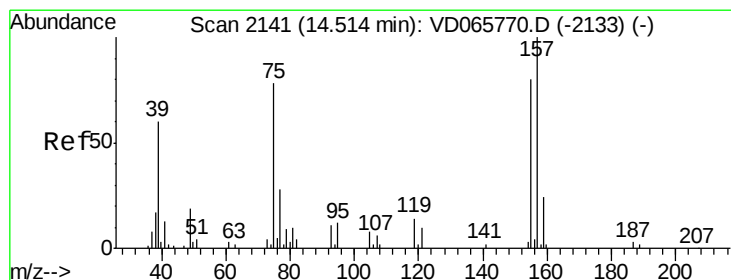
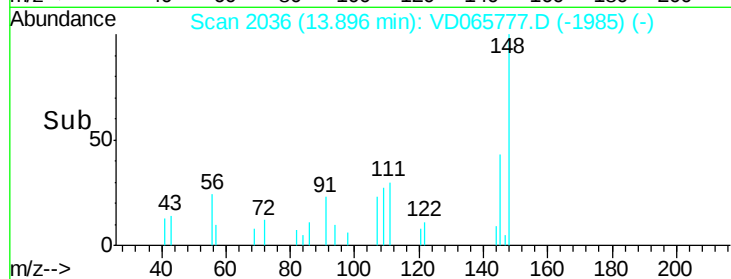
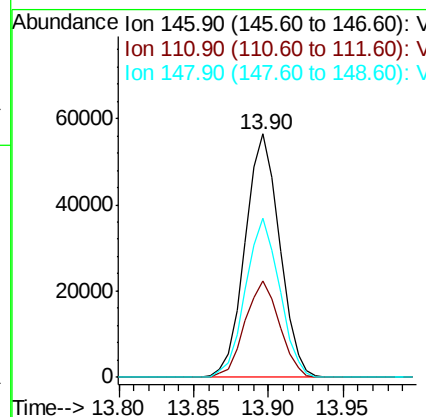
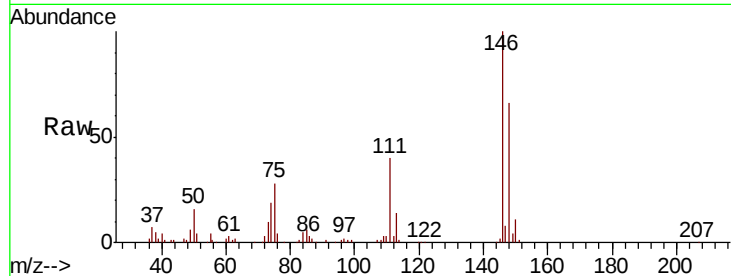




#91
 1,2-Dichlorobenzene
 Concen: 21.585 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

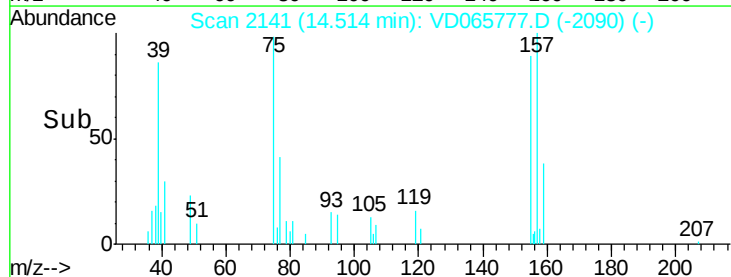
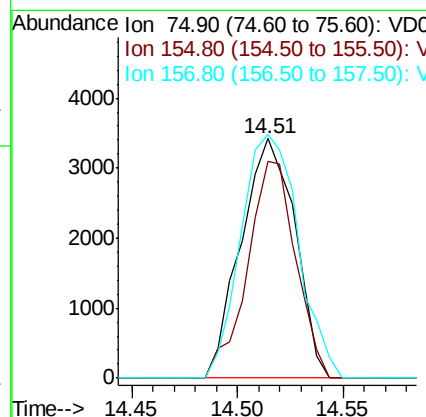
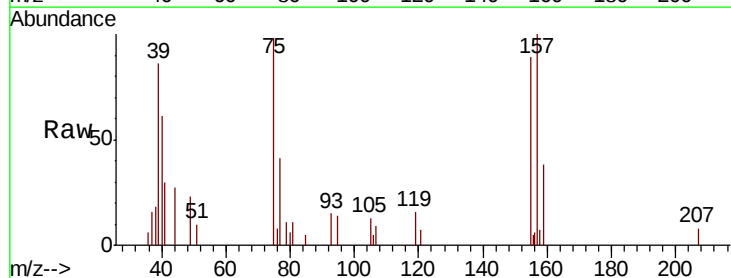
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

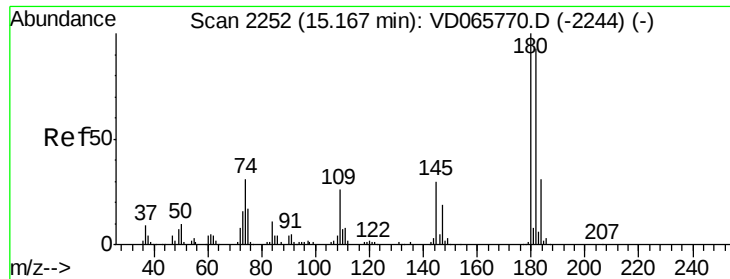
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.4
148	64.6	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.705 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	46.3	138.9
157	108.1	58.1	174.3

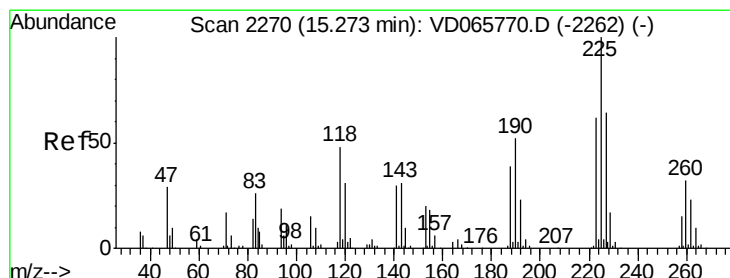
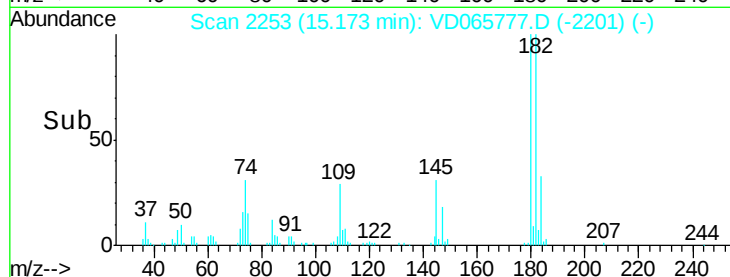
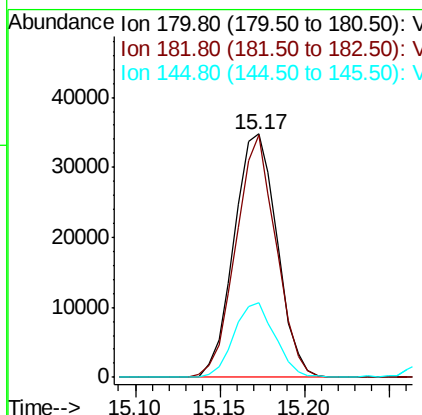
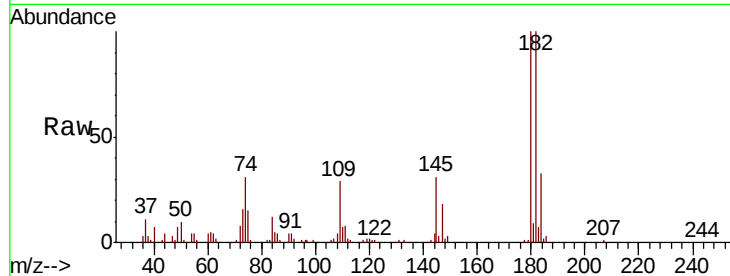




#93
 1,2,4-Trichlorobenzene
 Concen: 21.671 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

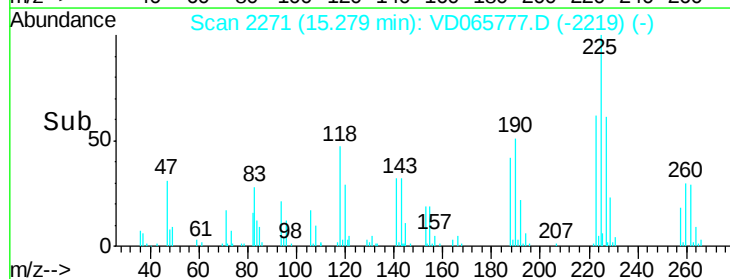
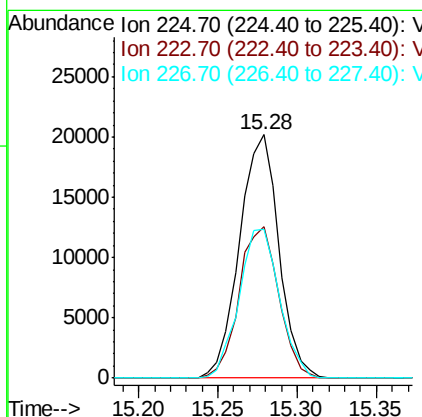
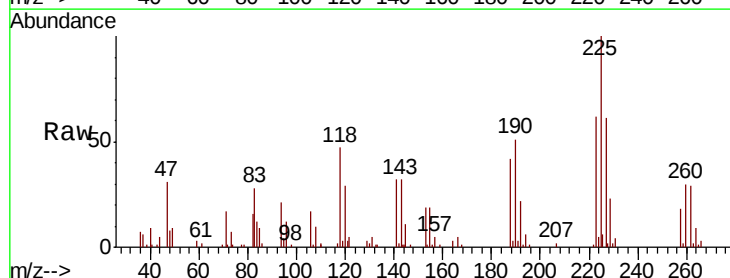
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

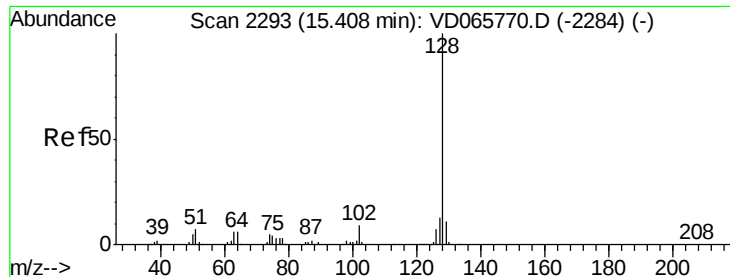
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.0	144.2
145	29.2	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 20.278 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065777.D
 Acq: 08 Jun 2020 13:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.9	92.7
227	62.9	31.9	95.7

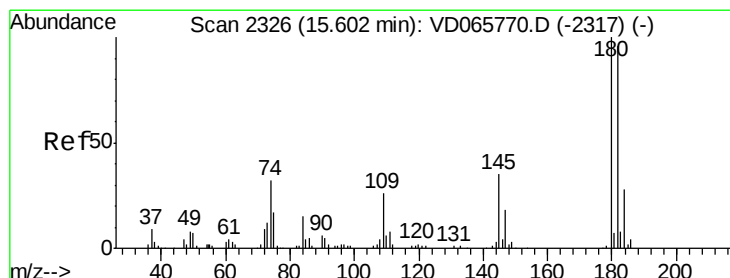
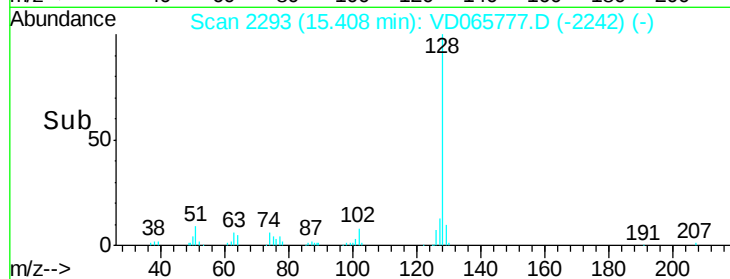
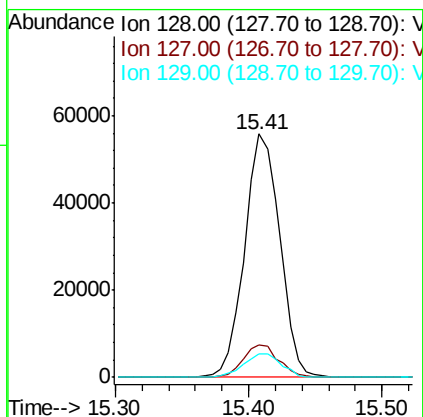
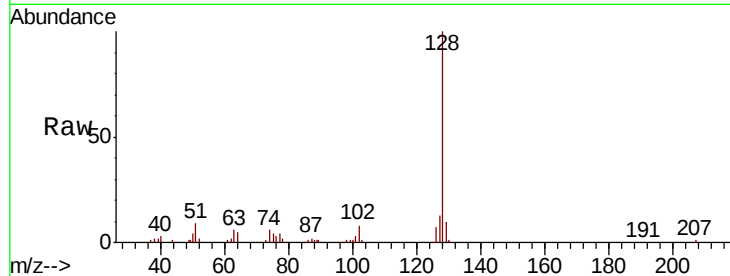




#95
Naphthalene
Concen: 21.088 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion:128 Resp: 101624
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.063 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065777.D
Acq: 08 Jun 2020 13:41

Tgt Ion:180 Resp: 51611
Ion Ratio Lower Upper
180 100
182 93.9 47.0 141.2
145 30.8 16.2 48.6

