

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065800.D
 Acq On : 18 Jun 2020 11:37
 Operator : VA/SY
 Sample : VD0618SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Quant Time: Jun 19 01:12:54 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	203497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	322974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	291692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	98240	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.91	113	98513	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
50) Toluene-d8	10.34	98	388726	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.64	95	127255	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	35349	23.756	ug/l	98
3) Chloromethane	2.21	50	57519	22.023	ug/l	93
4) Vinyl Chloride	2.35	62	66576	22.175	ug/l	100
5) Bromomethane	2.76	94	44949	21.408	ug/l	96
6) Chloroethane	2.93	64	44168	21.757	ug/l	92
7) Trichlorofluoromethane	3.27	101	74642	21.943	ug/l	96
8) Diethyl Ether	3.70	74	17735	19.831	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	44351	21.866	ug/l	96
10) Methyl Iodide	4.30	142	39809	20.155	ug/l	99
11) Tert butyl alcohol	5.20	59	12601	88.866	ug/l #	84
12) 1,1-Dichloroethene	4.07	96	38379	20.760	ug/l	93
13) Acrolein	3.92	56	9038	80.022	ug/l	93
14) Allyl chloride	4.71	41	64251	21.028	ug/l	99
15) Acrylonitrile	5.43	53	40445	99.572	ug/l	98
16) Acetone	4.15	43	41461	109.307	ug/l	99
17) Carbon Disulfide	4.40	76	128089	20.644	ug/l	100
18) Methyl Acetate	4.72	43	18761	19.730	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	81331	19.423	ug/l #	91
20) Methylene Chloride	4.96	84	67035	31.645	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	44217	20.424	ug/l	97
22) Diisopropyl ether	6.36	45	125885	20.391	ug/l	97
23) Vinyl Acetate	6.30	43	350643	100.580	ug/l	99
24) 1,1-Dichloroethane	6.26	63	77939	20.720	ug/l	96
25) 2-Butanone	7.21	43	51854	98.988	ug/l	98
26) 2,2-Dichloropropane	7.20	77	71553	21.453	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	48388	20.777	ug/l	98
28) Bromochloromethane	7.54	49	29269	20.146	ug/l	100
29) Tetrahydrofuran	7.56	42	32291	97.532	ug/l	97
30) Chloroform	7.71	83	80031	20.526	ug/l	92
31) Cyclohexane	7.98	56	75044	20.810	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	75129	20.956	ug/l	98
36) 1,1-Dichloropropene	8.11	75	64073	20.710	ug/l	99
37) Ethyl Acetate	7.29	43	23992	19.688	ug/l	99
38) Carbon Tetrachloride	8.10	117	70190	21.557	ug/l	97

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
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Quant Time: Jun 19 01:12:54 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)
39) Methylcyclohexane	9.36	83	74610	20.368	ug/l	98
40) Benzene	8.35	78	173308	20.490	ug/l	97
41) Methacrylonitrile	7.52	41	13982	19.269	ug/l #	70
42) 1,2-Dichloroethane	8.42	62	50513	19.793	ug/l	100
43) Isopropyl Acetate	8.46	43	46214	19.071	ug/l	98
44) Trichloroethene	9.11	130	47019	19.976	ug/l	87
45) 1,2-Dichloropropane	9.39	63	42912	20.192	ug/l	99
46) Dibromomethane	9.48	93	22742	19.731	ug/l	96
47) Bromodichloromethane	9.66	83	61115	19.787	ug/l	99
48) Methyl methacrylate	9.46	41	22500	19.182	ug/l	99
49) 1,4-Dioxane	9.47	88	4675	381.067	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	112225	94.511	ug/l	97
52) Toluene	10.40	92	113677	20.685	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	55261	19.758	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	66419	20.107	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	30467	19.783	ug/l	92
56) Ethyl methacrylate	10.66	69	33560	18.527	ug/l	95
57) 1,3-Dichloropropane	10.95	76	52913	19.831	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	83475	99.119	ug/l	97
59) 2-Hexanone	10.98	43	78923	98.585	ug/l	97
60) Dibromochloromethane	11.14	129	40550	19.491	ug/l	98
61) 1,2-Dibromoethane	11.25	107	29165	19.270	ug/l	100
64) Tetrachloroethene	10.88	164	41845	21.215	ug/l	96
65) Chlorobenzene	11.67	112	115441	20.272	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	43441	20.465	ug/l	98
67) Ethyl Benzene	11.75	91	211179	20.759	ug/l	98
68) m/p-Xylenes	11.86	106	163348	41.687	ug/l	100
69) o-Xylene	12.18	106	73002	20.663	ug/l	98
70) Styrene	12.20	104	127567	20.858	ug/l	99
71) Bromoform	12.36	173	22621	19.353	ug/l #	96
73) Isopropylbenzene	12.48	105	204685	20.881	ug/l	99
74) N-amyl acetate	12.29	43	42227	19.363	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	32567	19.672	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	18823m	16.554	ug/l	
77) Bromobenzene	12.77	156	46724	20.146	ug/l	96
78) n-propylbenzene	12.83	91	248371	21.050	ug/l	99
79) 2-Chlorotoluene	12.91	91	136835	21.140	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	173628	21.285	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	10471	19.897	ug/l	97
82) 4-Chlorotoluene	13.01	91	144004	20.727	ug/l	99
83) tert-Butylbenzene	13.23	119	146919	20.757	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	169287	20.734	ug/l	100
85) sec-Butylbenzene	13.41	105	211350	21.457	ug/l	98
86) p-Isopropyltoluene	13.52	119	191622	21.225	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93583	20.464	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	93060	20.458	ug/l	98
89) n-Butylbenzene	13.85	91	185316	21.522	ug/l	99
90) Hexachloroethane	14.12	117	39133	21.655	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	80049	20.340	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5120	18.584	ug/l	97

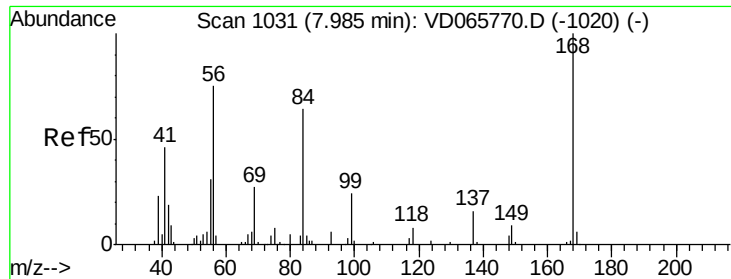
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061820\
Data File : VD065800.D
Acq On : 18 Jun 2020 11:37
Operator : VA/SY
Sample : VD0618SBS01
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MSVOA_D
ClientSampleId :
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Quant Time: Jun 19 01:12:54 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	52460	19.605	ug/l	99
94) Hexachlorobutadiene	15.27	225	32017	19.793	ug/l	99
95) Naphthalene	15.41	128	81954	18.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	44583	19.345	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: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

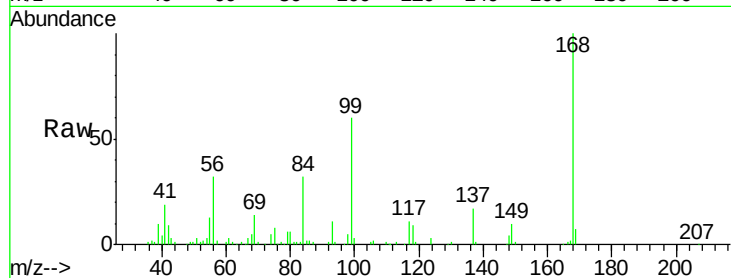
VD0618SBS01

Tot Ion:168 Resp: 203497

Ion Ratio Lower Upper

168 100

99 60.2 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

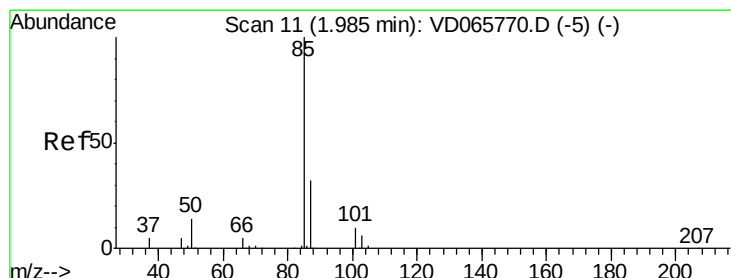
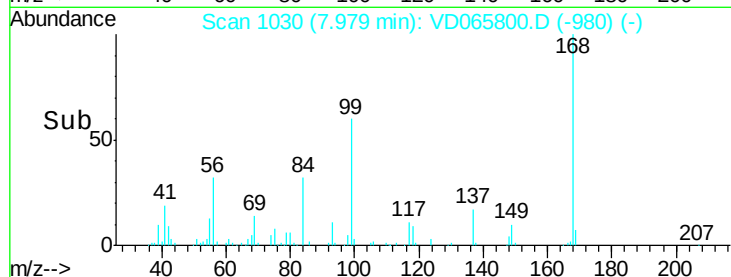
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.756 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065800.D

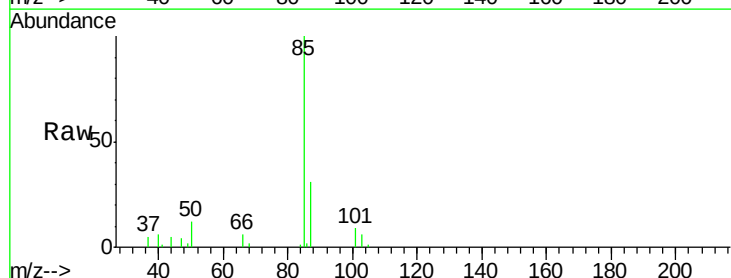
Acq: 18 Jun 2020 11:37

Tgt Ion: 85 Resp: 35349

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

25000

20000

15000

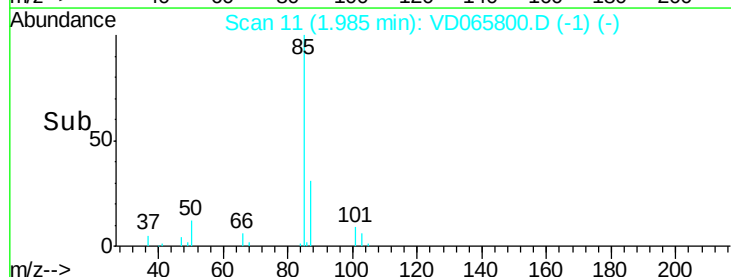
10000

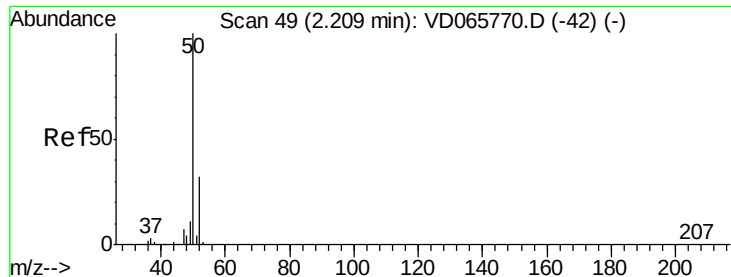
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.023 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

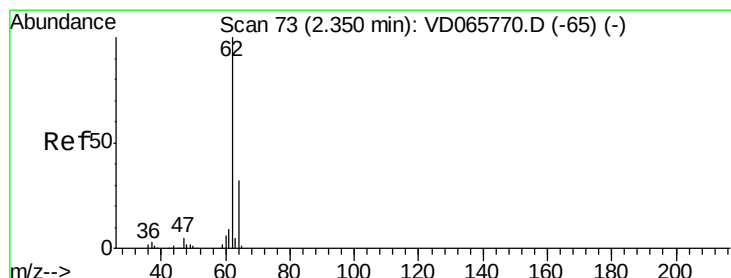
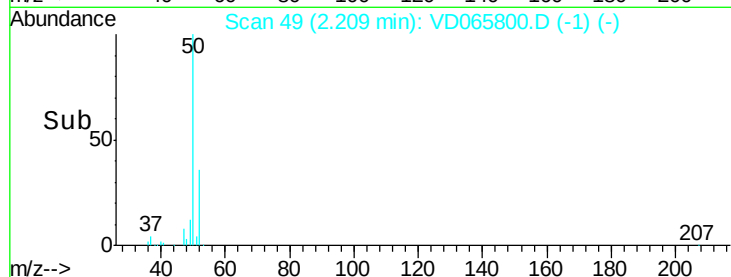
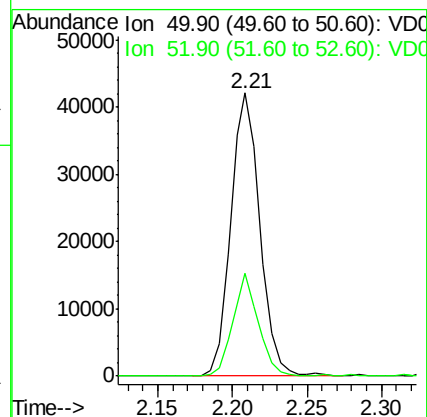
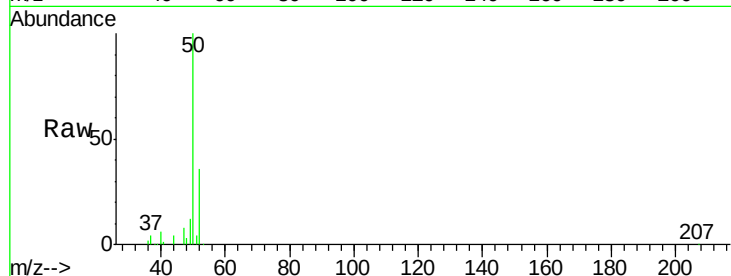
VD0618SBS01

Tot Ion: 50 Resp: 57519

Ion Ratio Lower Upper

50 100

52 36.1 25.6 38.4



#4

Vinyl Chloride

Concen: 22.175 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065800.D

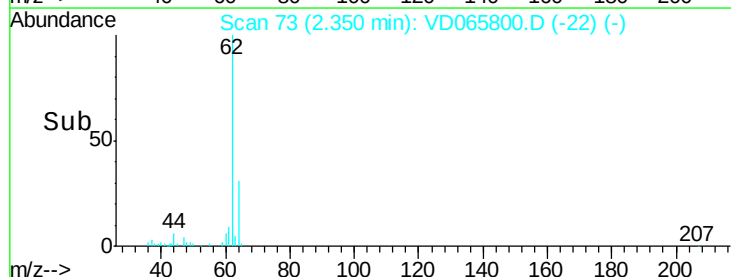
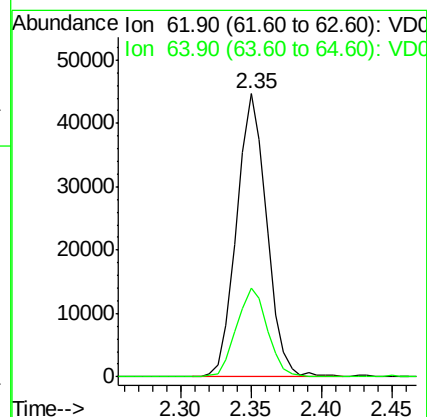
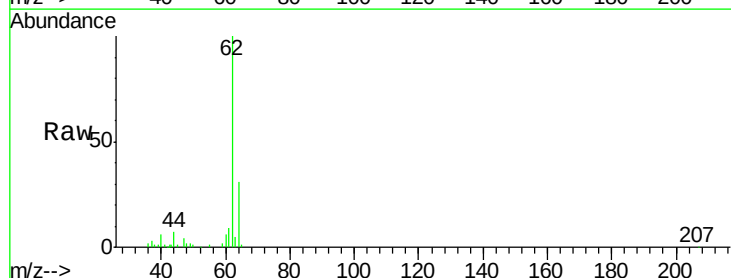
Acq: 18 Jun 2020 11:37

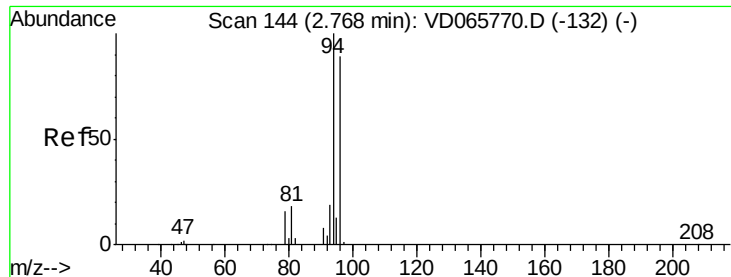
Tgt Ion: 62 Resp: 66576

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 21.408 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

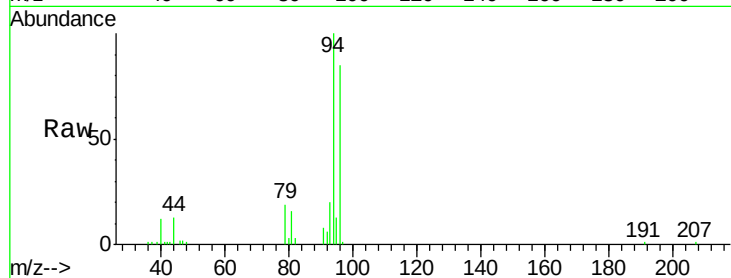
VD0618SBS01

Tot Ion: 94 Resp: 44949

Ion Ratio Lower Upper

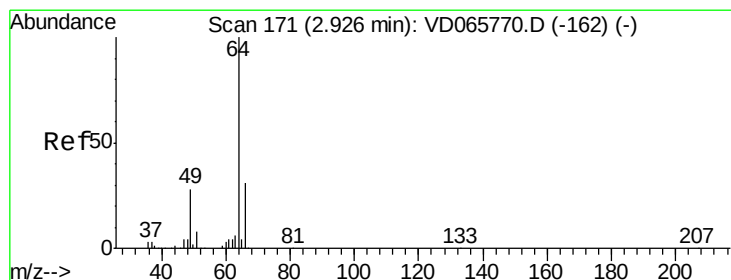
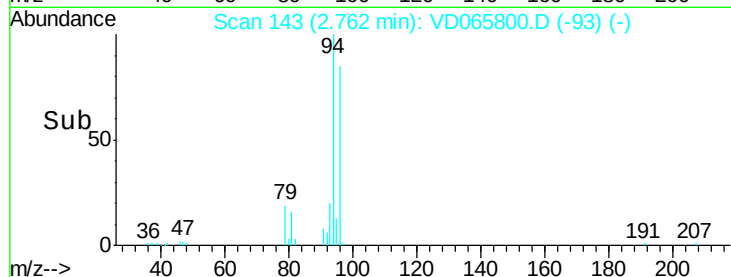
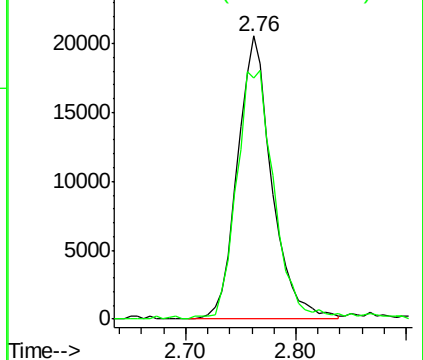
94 100

96 85.3 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: 21.757 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065800.D

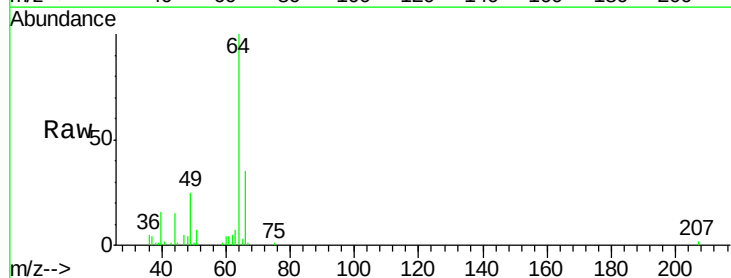
Acq: 18 Jun 2020 11:37

Tgt Ion: 64 Resp: 44168

Ion Ratio Lower Upper

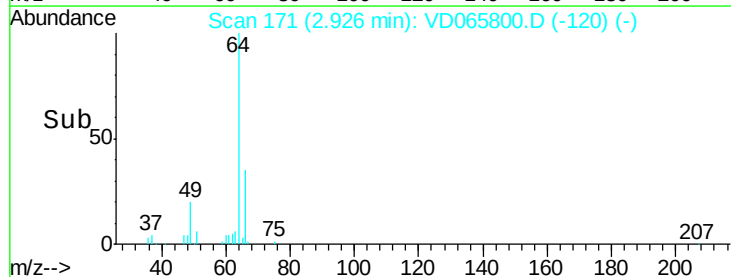
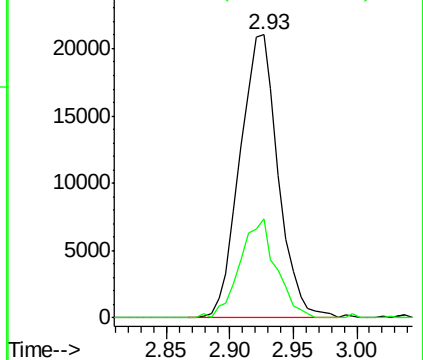
64 100

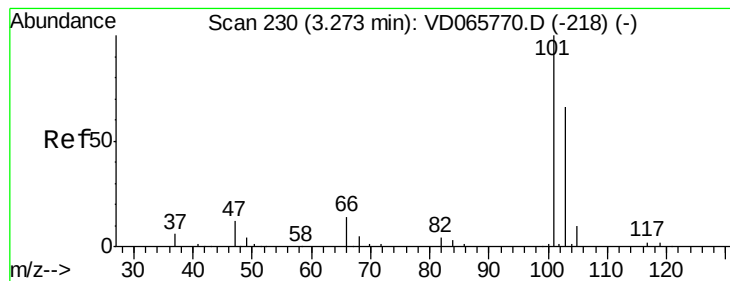
66 35.1 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



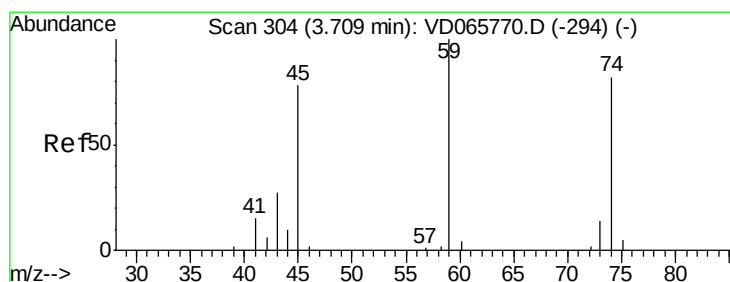
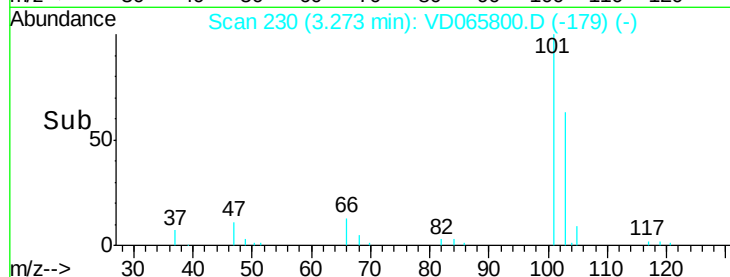
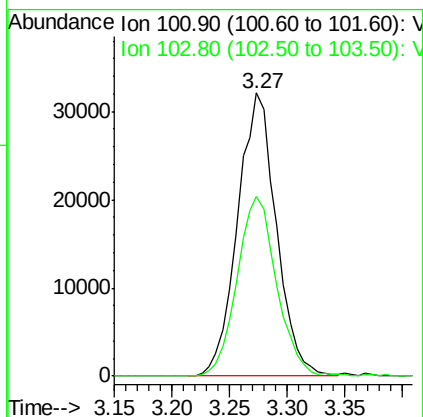
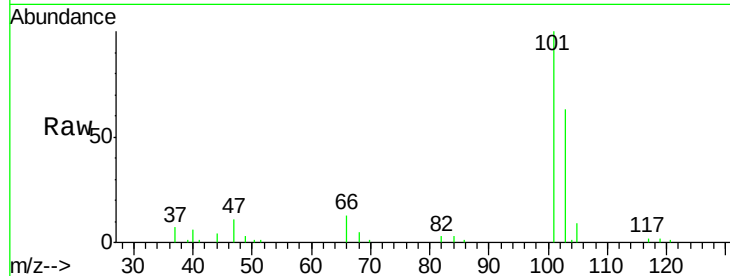


#7

Trichlorofluoromethane
 Concen: 21.943 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

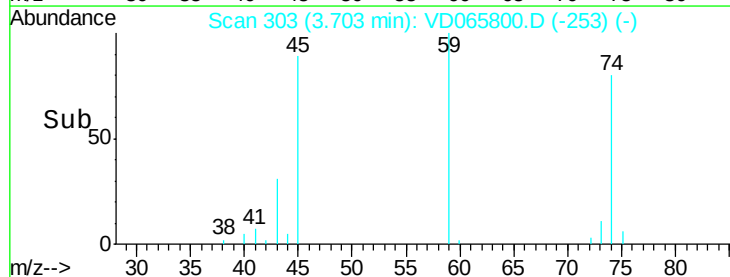
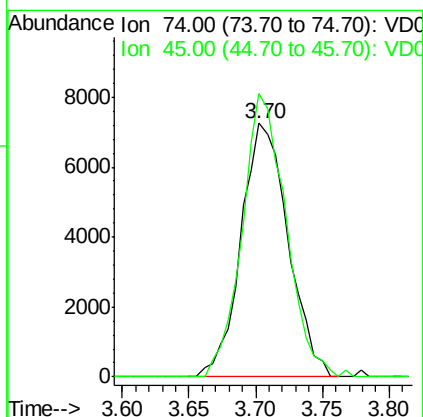
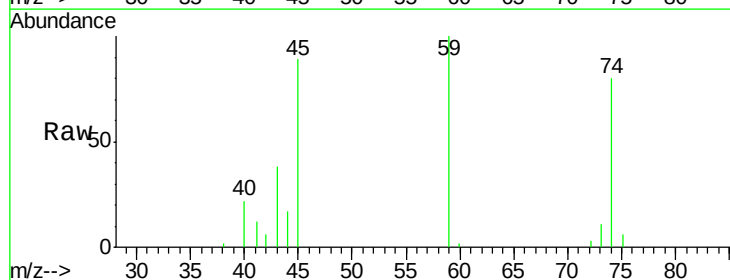
Tot Ion:101 Resp: 74642
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.1 79.7

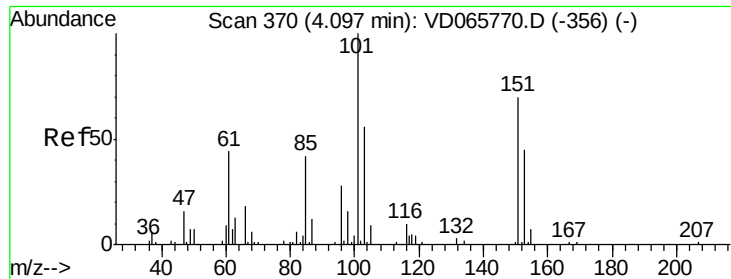


#8

Diethyl Ether
 Concen: 19.831 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion: 74 Resp: 17735
 Ion Ratio Lower Upper
 74 100
 45 103.9 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.866 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

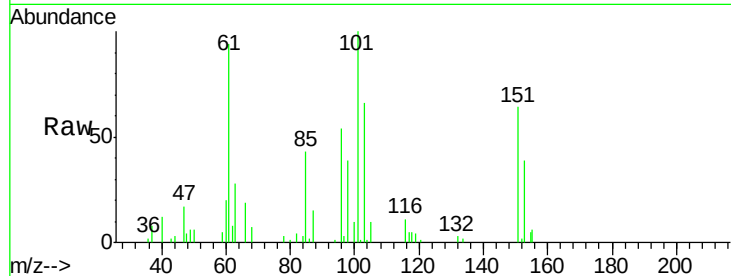
Tot Ion:101 Resp: 44351

Ion Ratio Lower Upper

101 100

85 46.1 36.5 54.7

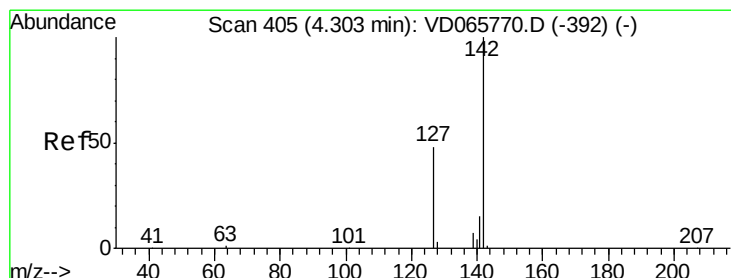
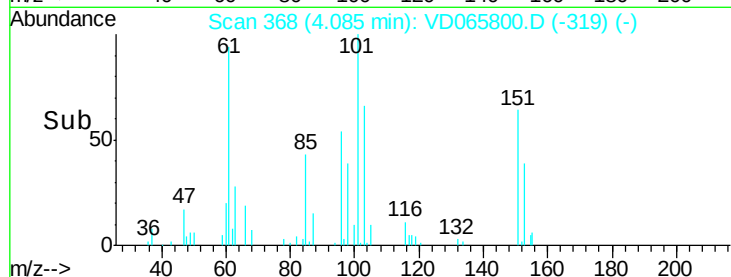
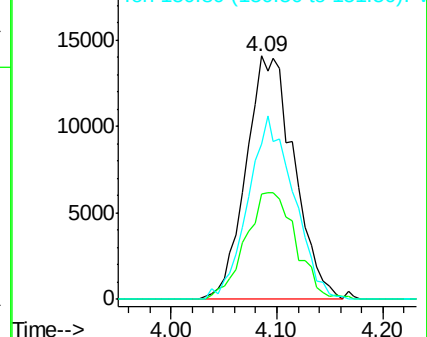
151 71.8 61.8 92.6



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: 20.155 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

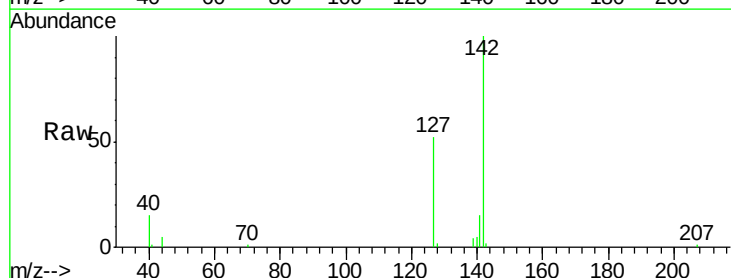
Tgt Ion:142 Resp: 39809

Ion Ratio Lower Upper

142 100

127 47.1 37.6 56.4

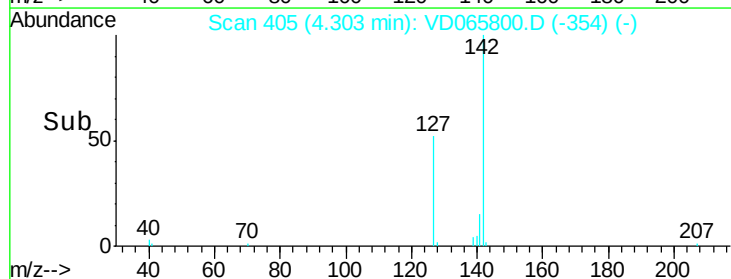
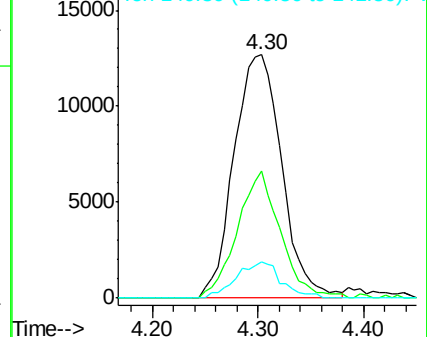
141 13.9 12.1 18.1

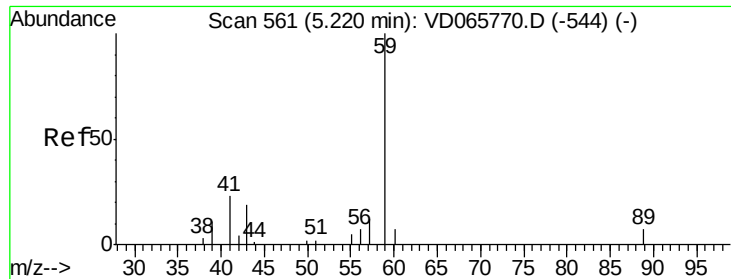


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



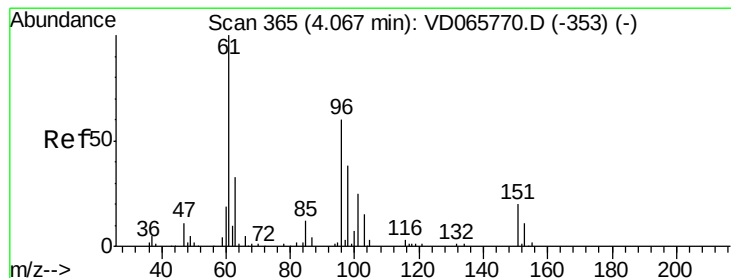
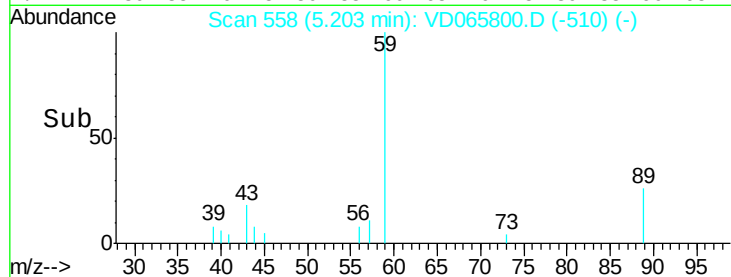
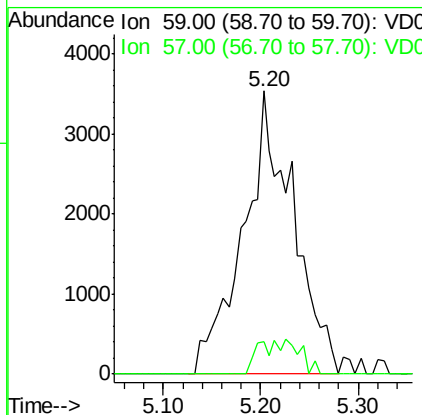
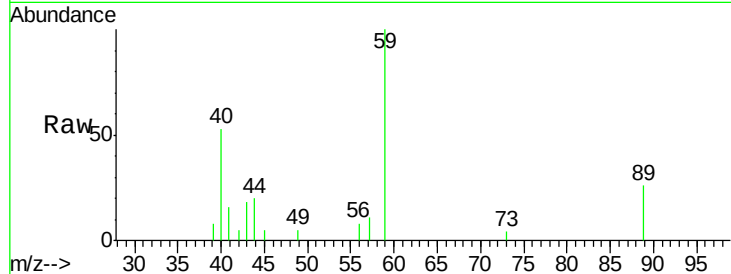


#11

Tert butyl alcohol
 Concen: 88.866 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

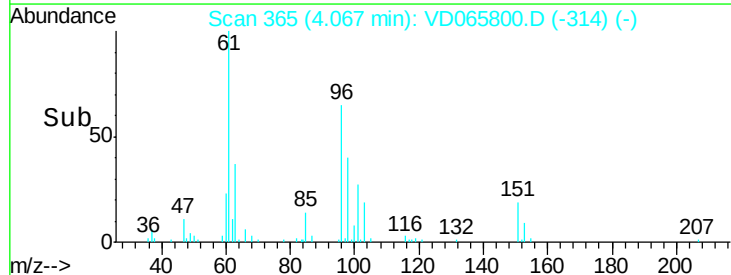
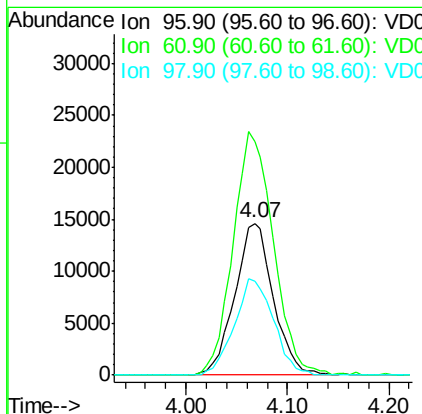
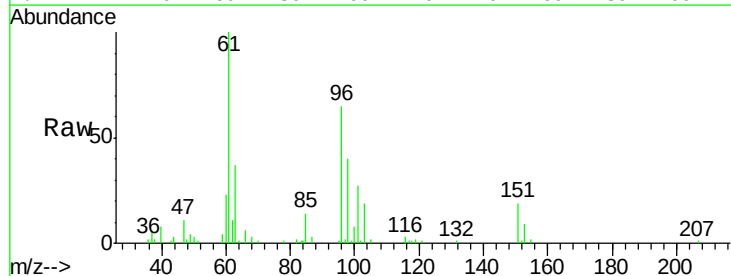
Tot Ion: 59 Resp: 12601
 Ion Ratio Lower Upper
 59 100
 57 3.5 7.5 11.3#

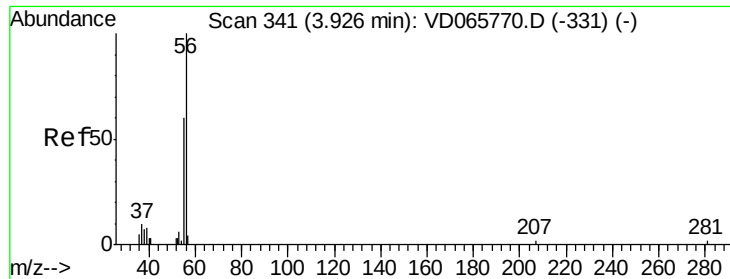


#12

1,1-Dichloroethene
 Concen: 20.760 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion: 96 Resp: 38379
 Ion Ratio Lower Upper
 96 100
 61 153.7 132.3 198.5
 98 61.5 50.7 76.1





#13

Acrolein

Concen: 80.022 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

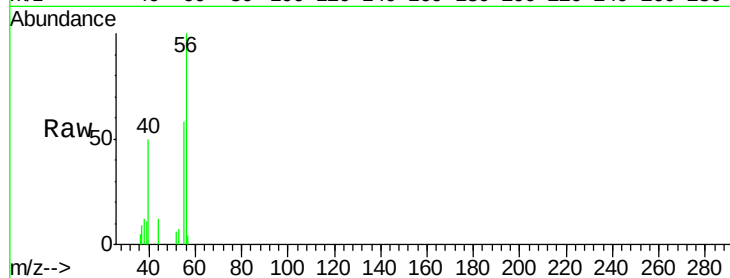
VD0618SBS01

Tot Ion: 56 Resp: 9038

Ion Ratio Lower Upper

56 100

55 74.4 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

4000

3000

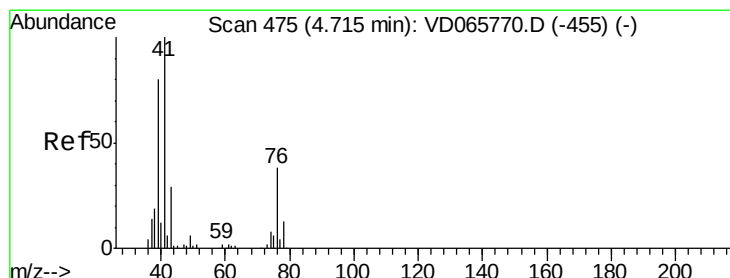
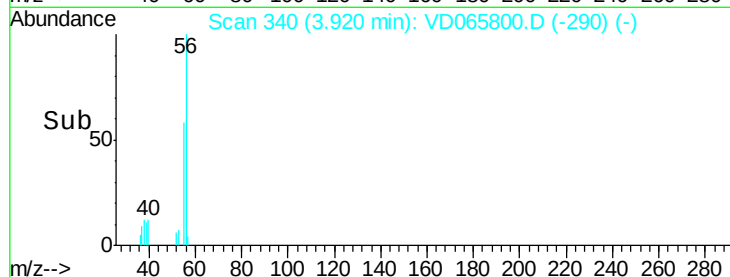
2000

1000

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 21.028 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

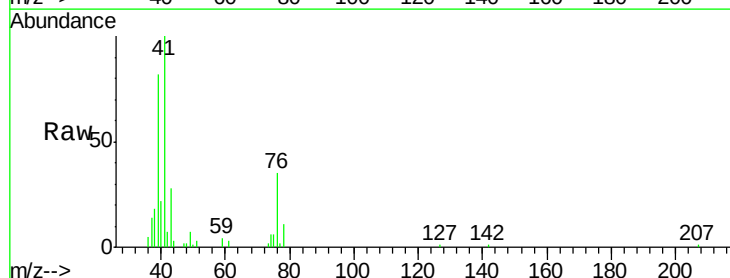
Tgt Ion: 41 Resp: 64251

Ion Ratio Lower Upper

41 100

39 76.8 60.9 91.3

76 36.0 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

25000

20000

15000

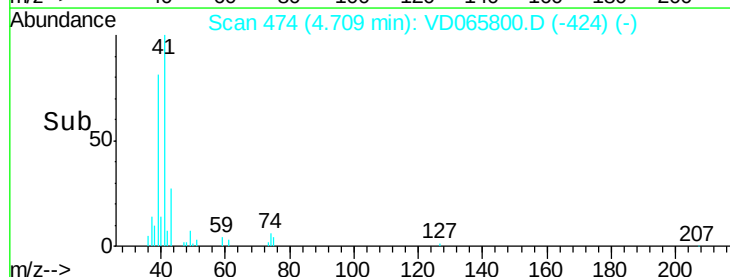
10000

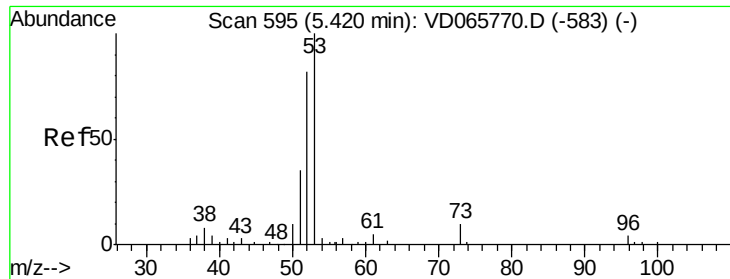
5000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 99.572 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

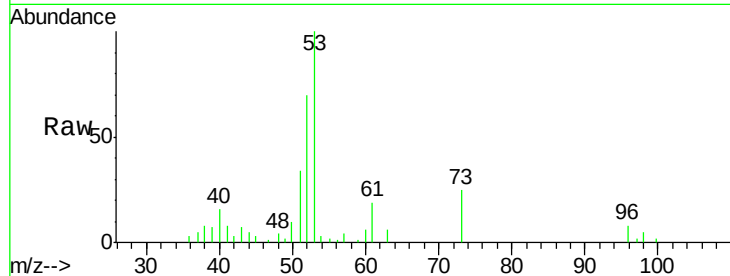
Tot Ion: 53 Resp: 40445

Ion Ratio Lower Upper

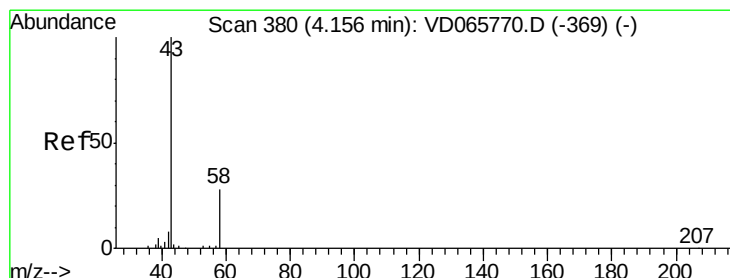
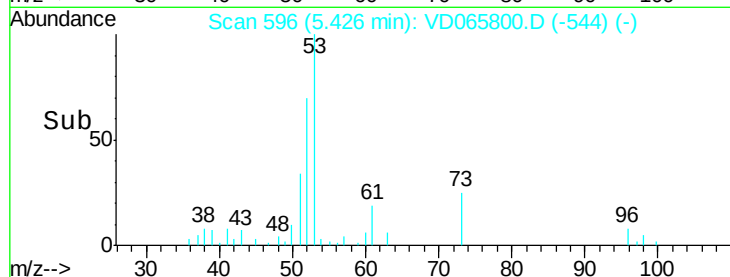
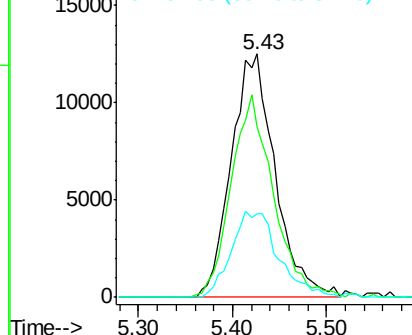
53 100

52 80.1 66.2 99.2

51 37.9 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: 109.307 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065800.D

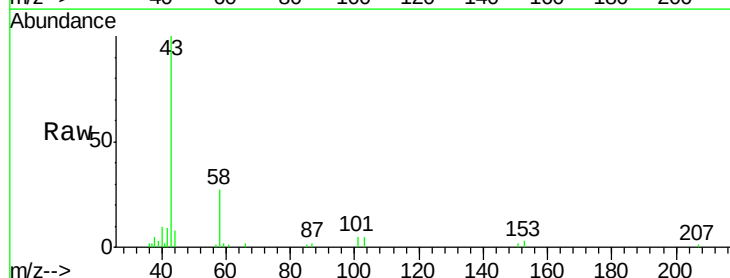
Acq: 18 Jun 2020 11:37

Tgt Ion: 43 Resp: 41461

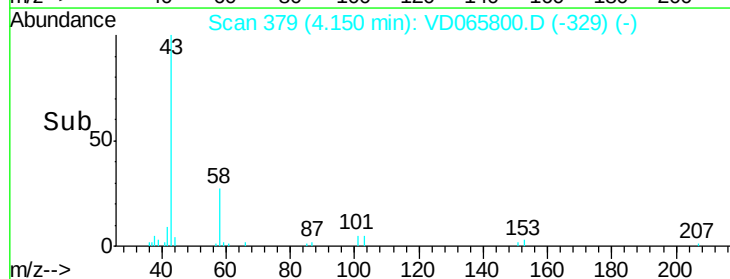
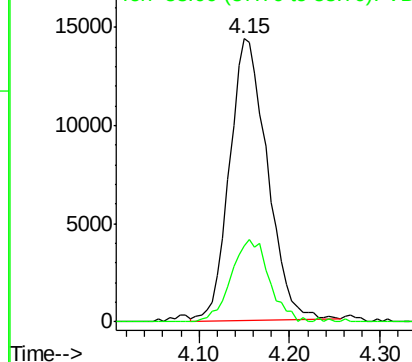
Ion Ratio Lower Upper

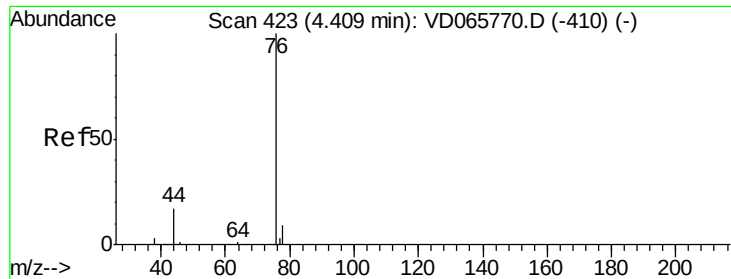
43 100

58 27.3 22.3 33.5



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

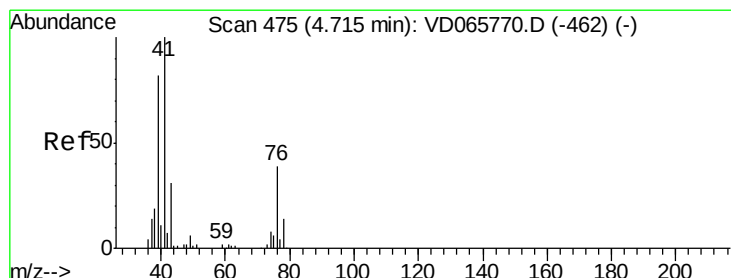
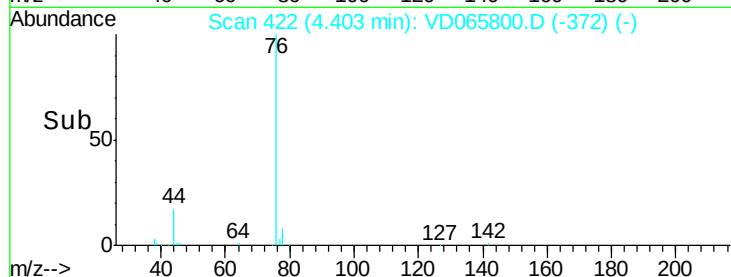
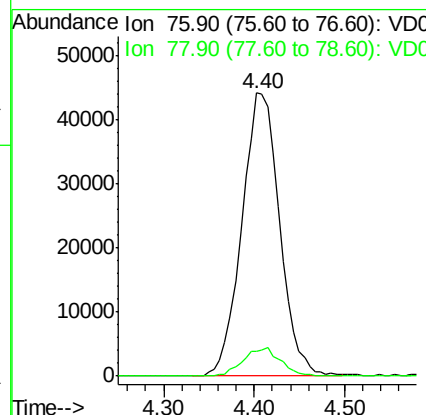
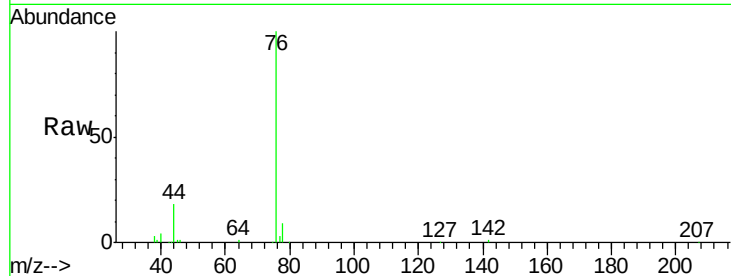




#17
Carbon Disulfide
Concen: 20.644 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

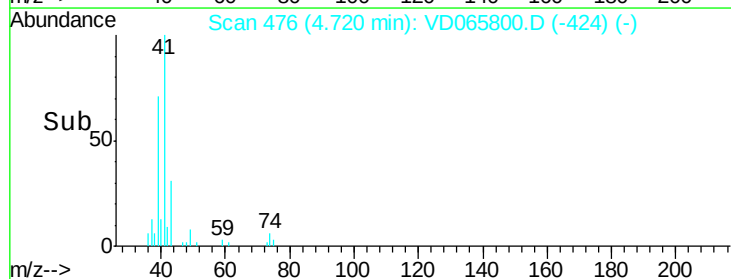
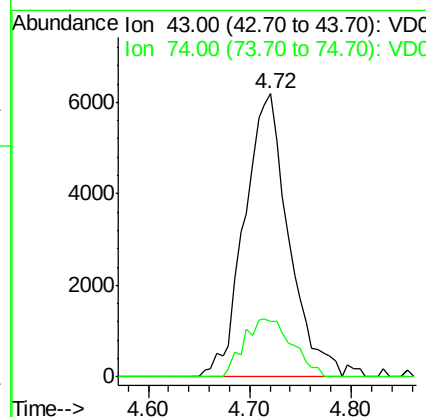
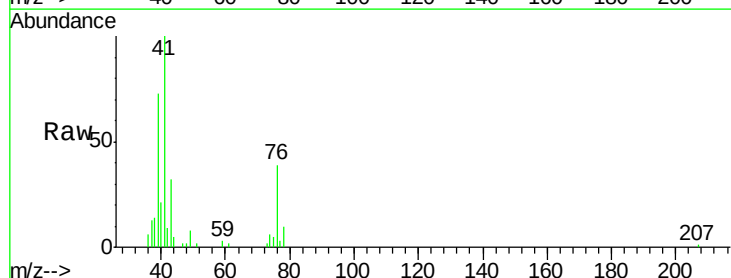
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

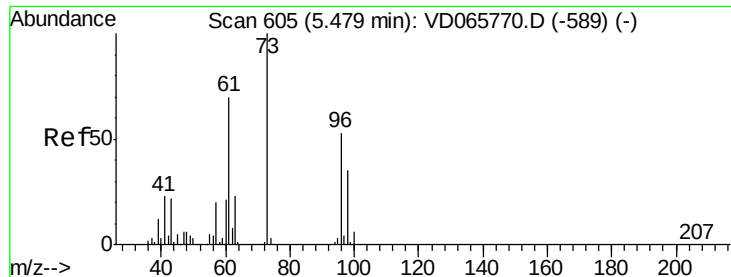
Tot Ion: 76 Resp: 128089
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 19.730 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion: 43 Resp: 18761
Ion Ratio Lower Upper
43 100
74 22.3 18.7 28.1





#19

Methyl tert-butyl Ether

Concen: 19.423 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

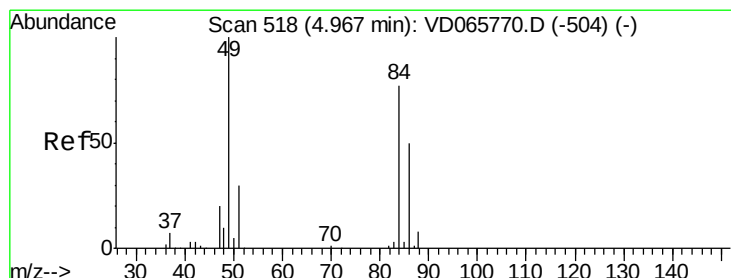
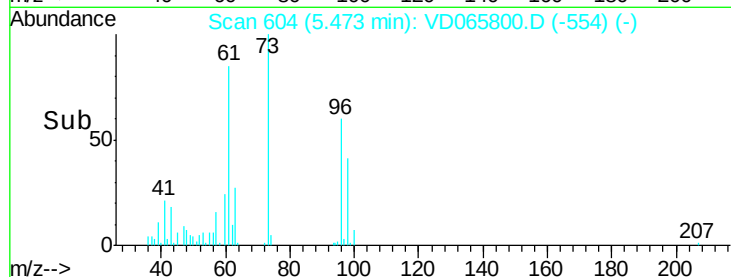
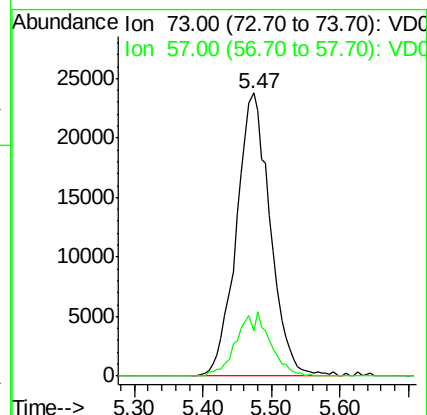
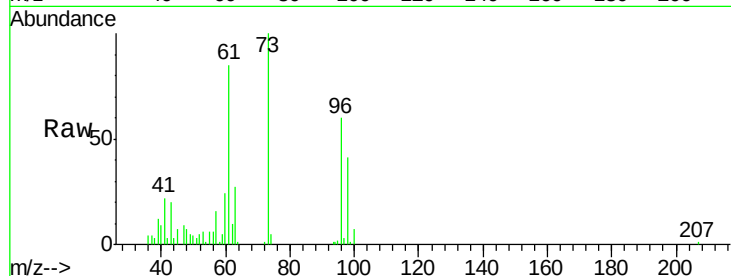
VD0618SBS01

Tot Ion: 73 Resp: 81331

Ion Ratio Lower Upper

73 100

57 16.0 16.2 24.2#



#20

Methylene Chloride

Concen: 31.645 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Tgt Ion: 84 Resp: 67035

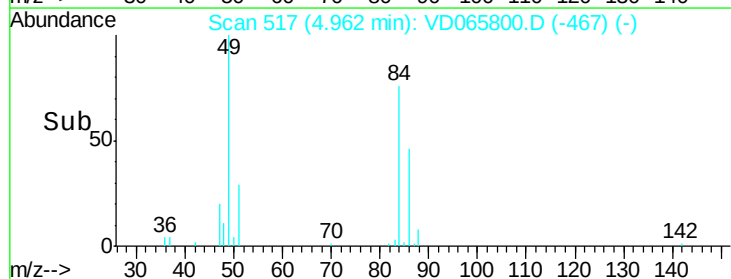
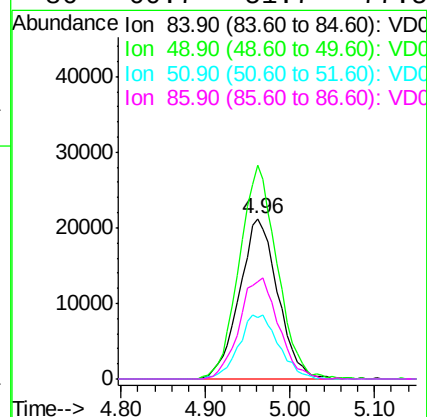
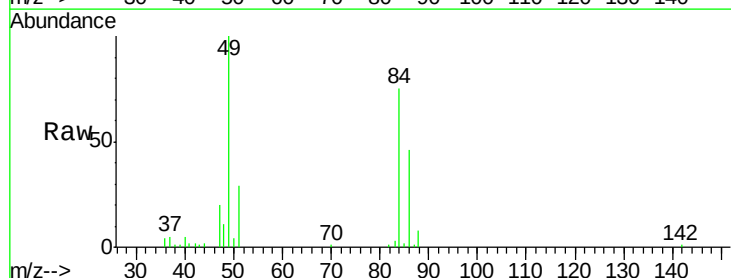
Ion Ratio Lower Upper

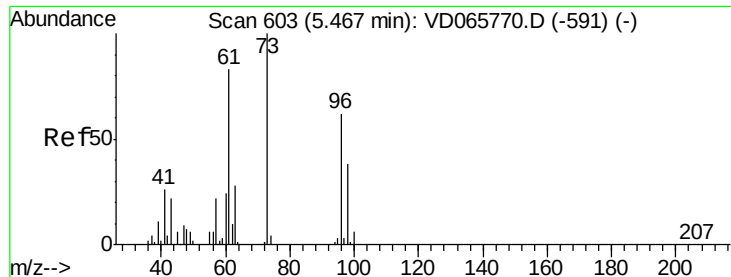
84 100

49 133.3 103.4 155.0

51 38.4 31.4 47.2

86 60.7 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 20.424 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

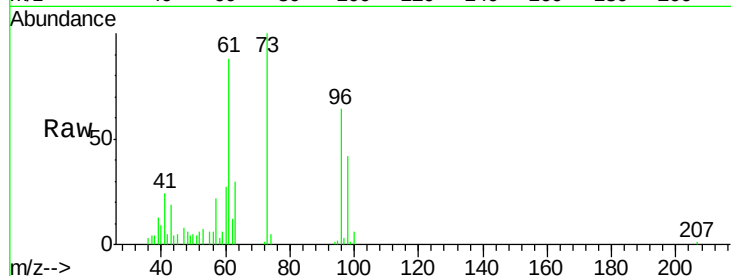
Tot Ion: 96 Resp: 44217

Ion Ratio Lower Upper

96 100

61 137.1 107.7 161.5

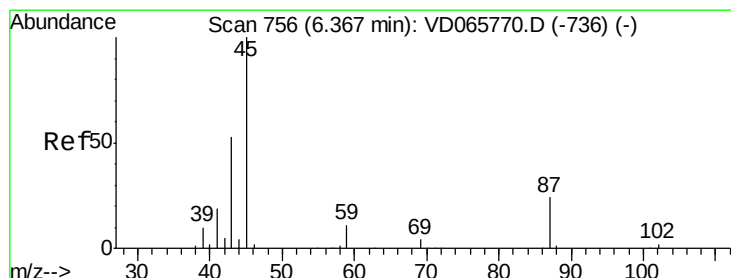
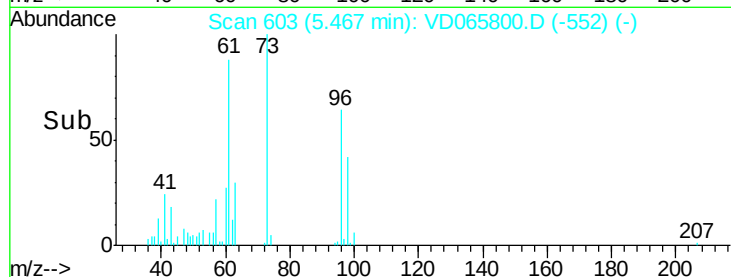
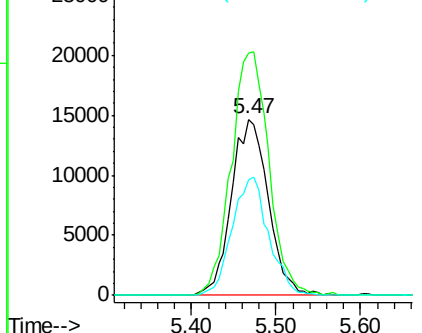
98 65.4 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.391 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Tgt Ion: 45 Resp: 125885

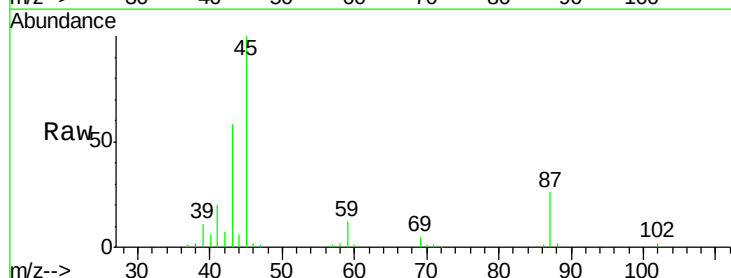
Ion Ratio Lower Upper

45 100

43 56.4 43.4 65.0

87 26.2 20.2 30.4

59 12.3 9.4 14.0

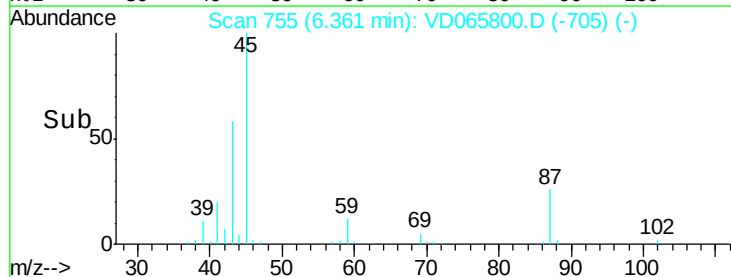
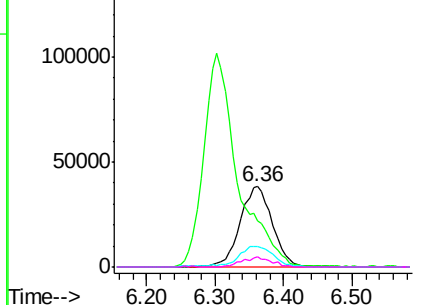


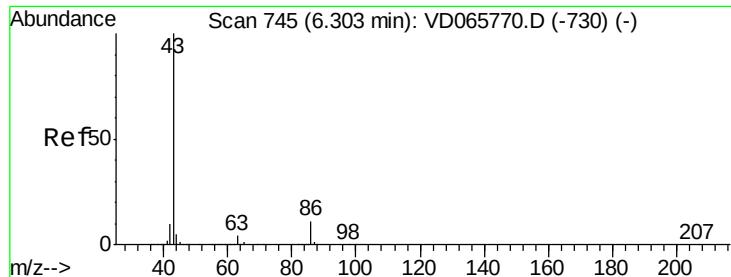
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 100.580 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

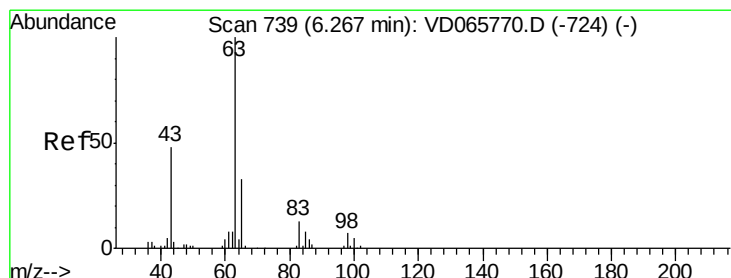
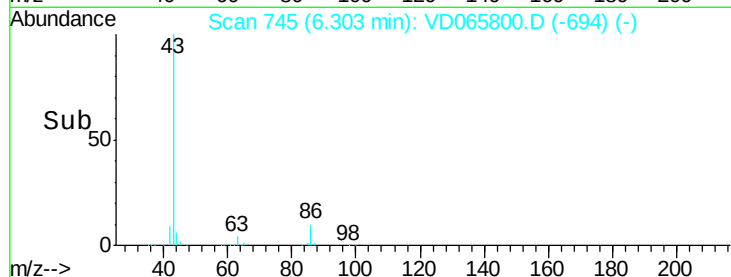
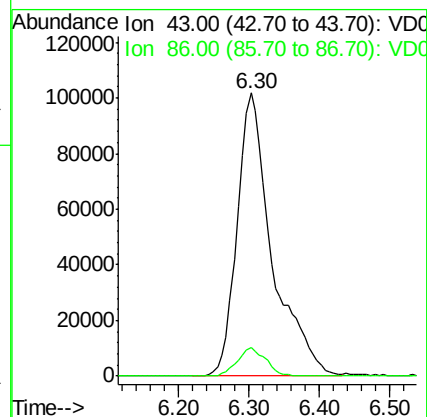
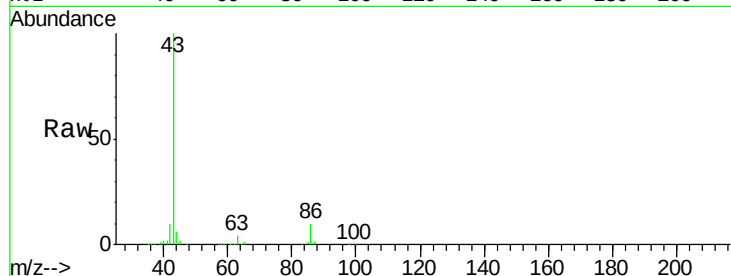
VD0618SBS01

Tot Ion: 43 Resp: 350643

Ion Ratio Lower Upper

43 100

86 10.1 8.5 12.7



#24

1,1-Dichloroethane

Concen: 20.720 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

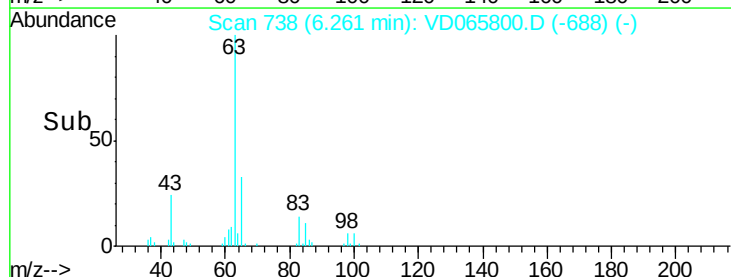
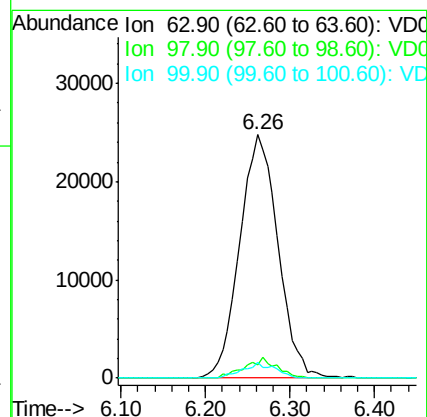
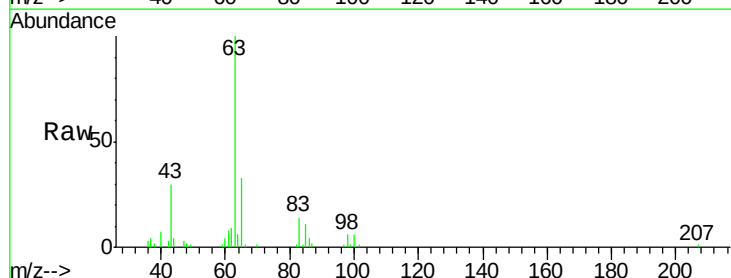
Tgt Ion: 63 Resp: 77939

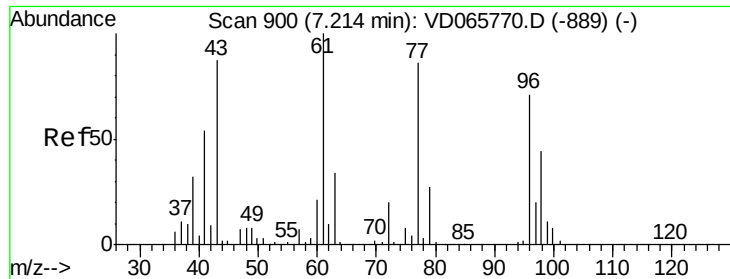
Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.5

100 6.4 2.3 6.9





#25

2-Butanone

Concen: 98.988 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

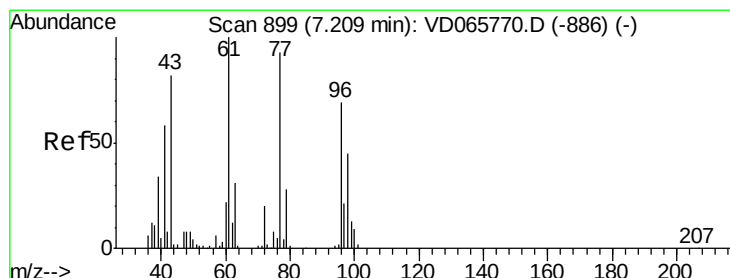
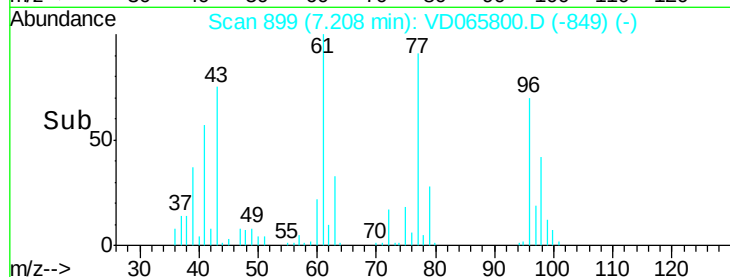
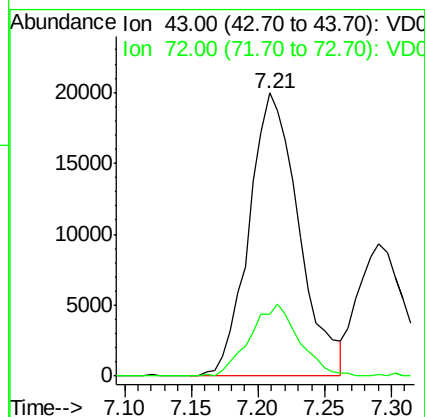
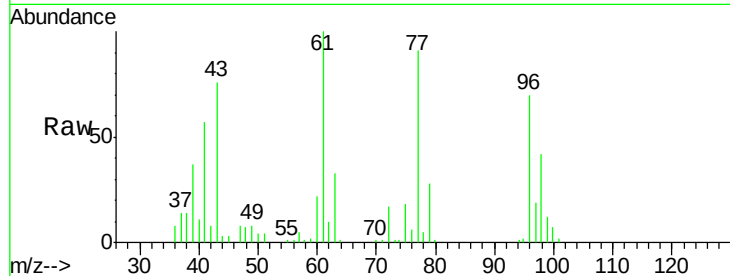
VD0618SBS01

Tot Ion: 43 Resp: 51854

Ion Ratio Lower Upper

43 100

72 22.0 18.5 27.7



#26

2,2-Dichloropropane

Concen: 21.453 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065800.D

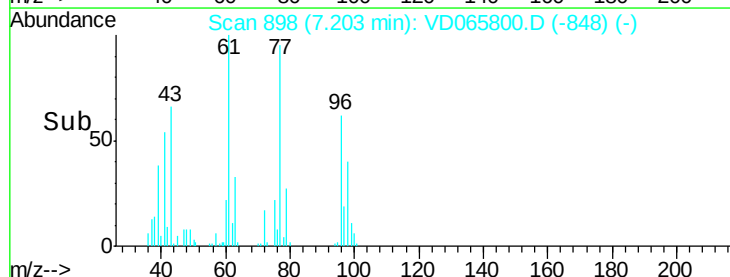
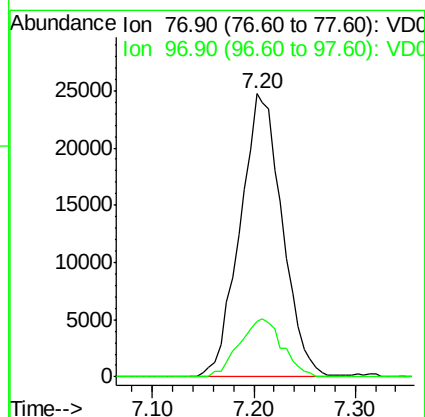
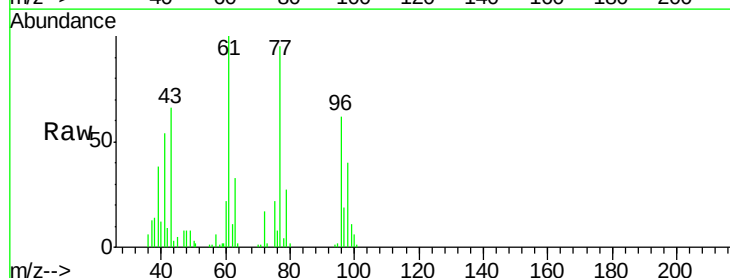
Acq: 18 Jun 2020 11:37

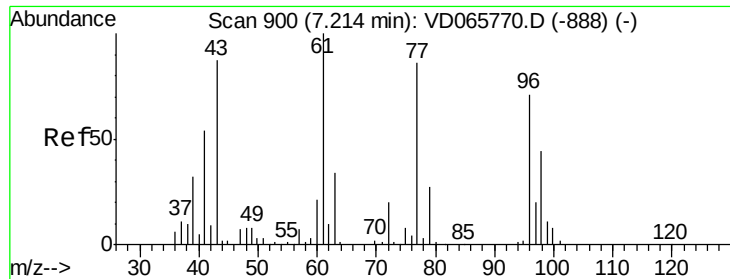
Tgt Ion: 77 Resp: 71553

Ion Ratio Lower Upper

77 100

97 20.7 10.9 32.7



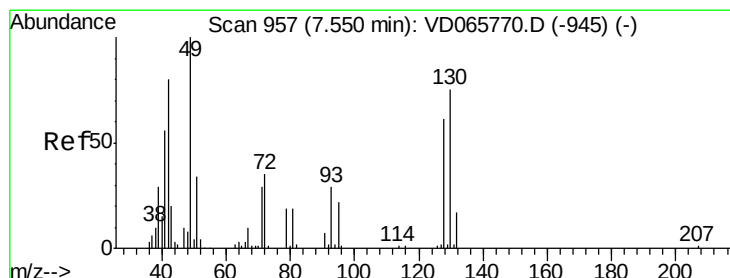
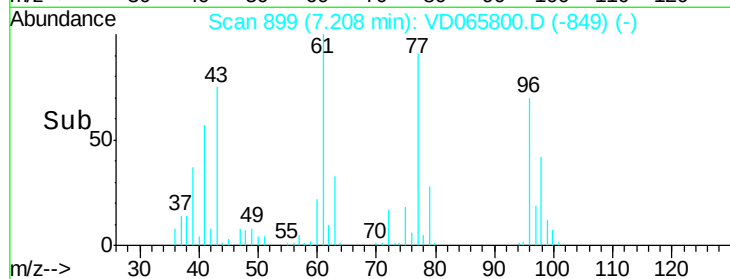
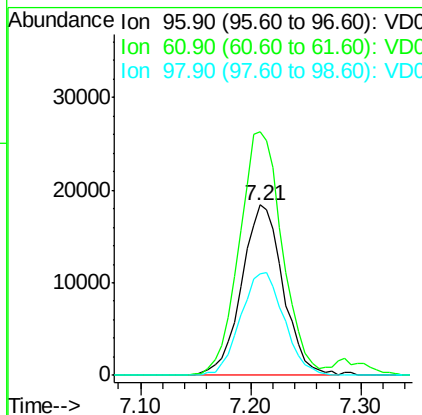
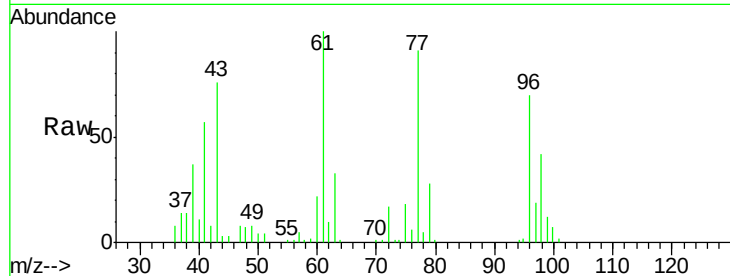


#27

cis-1,2-Dichloroethene
Concen: 20.777 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

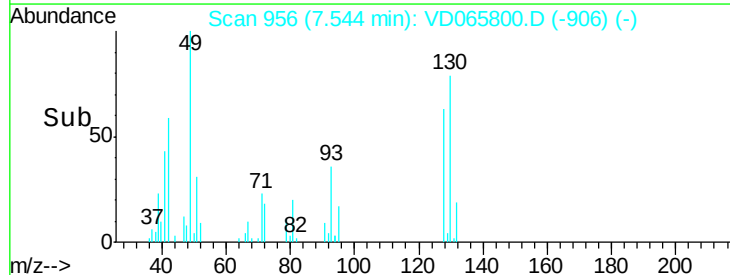
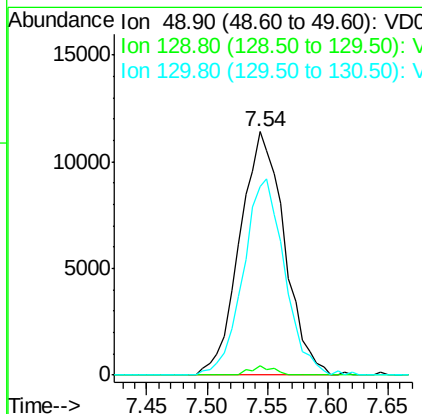
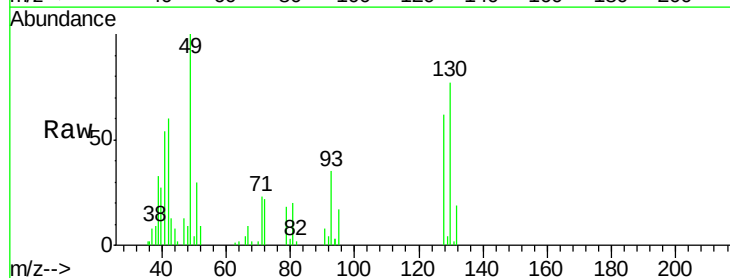
Tot Ion	96	Resp	48388
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	291.2
98	63.1	0.0	128.8

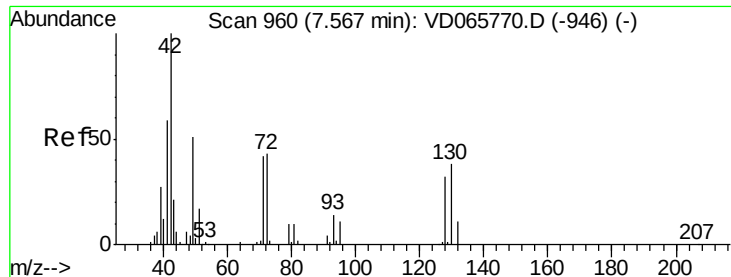


#28

Bromochloromethane
Concen: 20.146 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion	49	Resp	29269
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	74.5	59.5	89.3

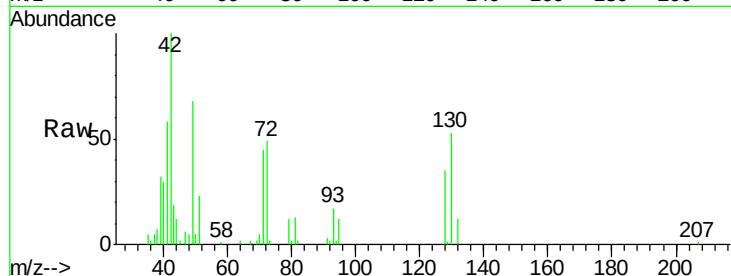




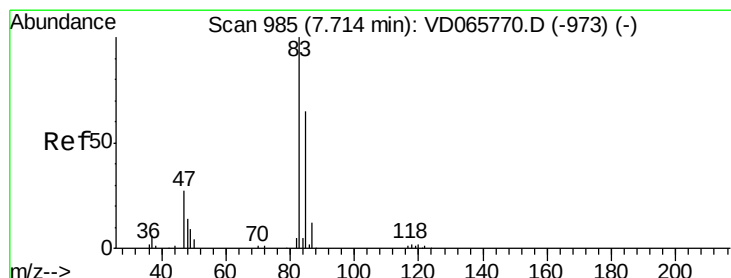
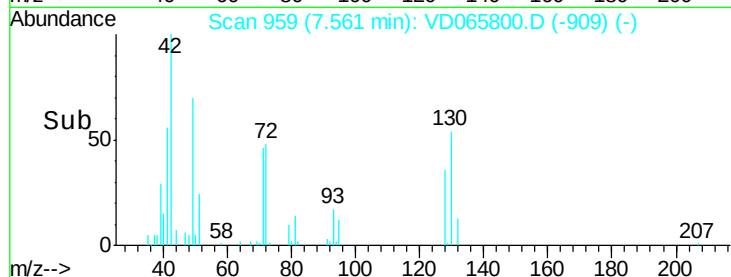
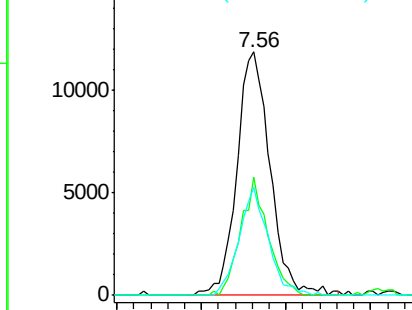
#29
Tetrahydrofuran
Concen: 97.532 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

Tot Ion: 42 Resp: 32291
Ion Ratio Lower Upper
42 100
72 39.9 34.9 52.3
71 39.1 31.2 46.8

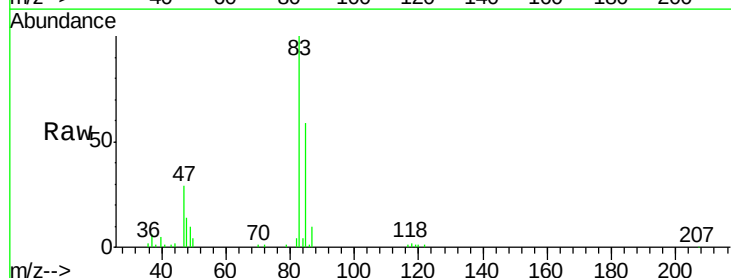


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

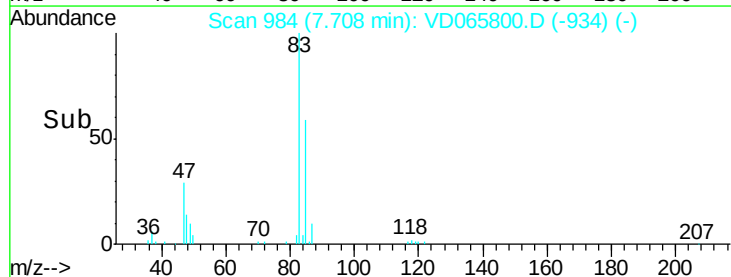
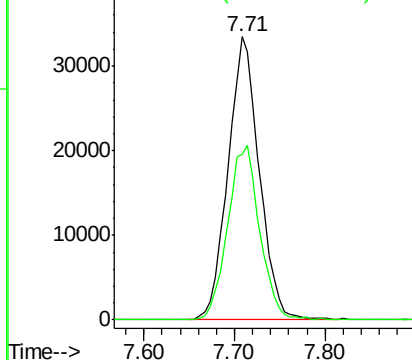


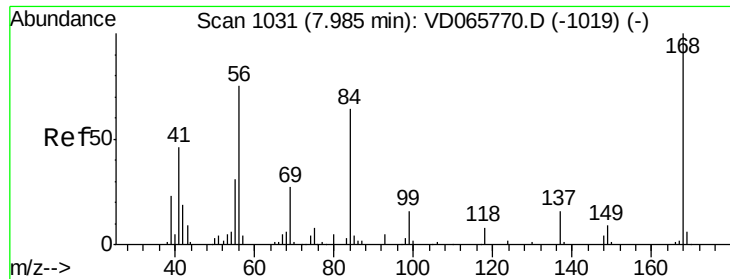
#30
Chloroform
Concen: 20.526 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion: 83 Resp: 80031
Ion Ratio Lower Upper
83 100
85 58.6 51.9 77.9



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

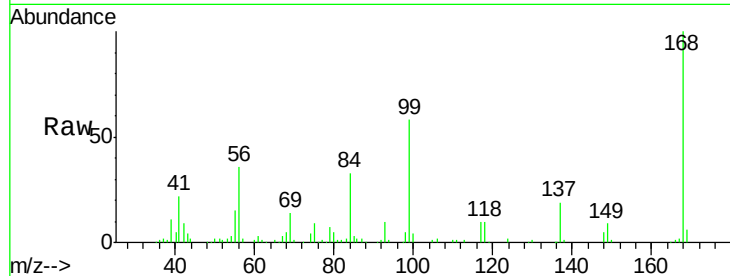




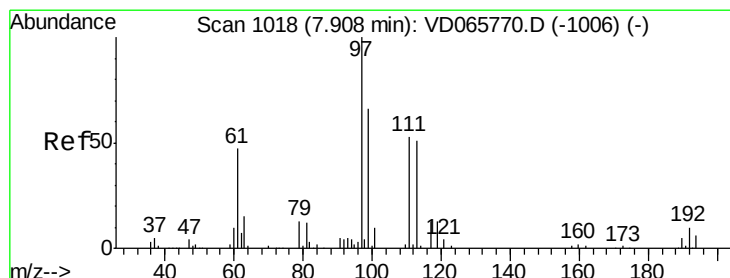
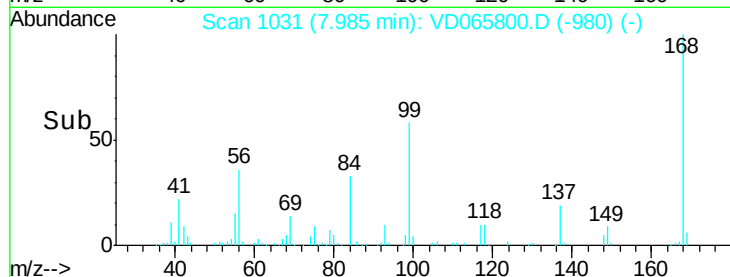
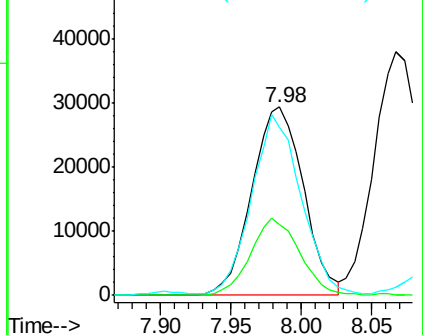
#31
Cyclohexane
Concen: 20.810 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

Tot Ion: 56 Resp: 75044
Ion Ratio Lower Upper
56 100
69 37.7 28.5 42.7
84 88.6 68.4 102.6

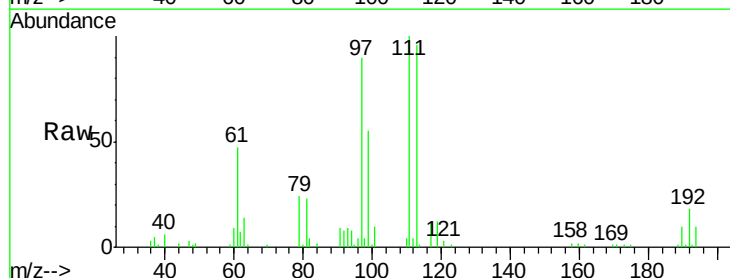


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

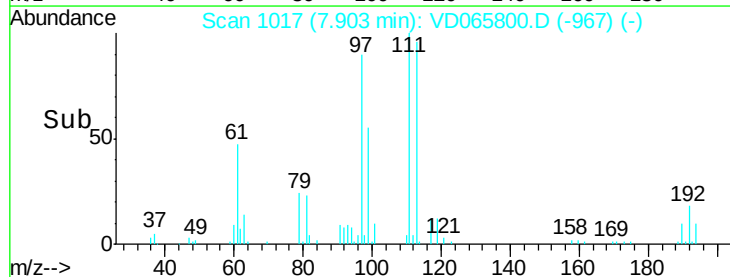
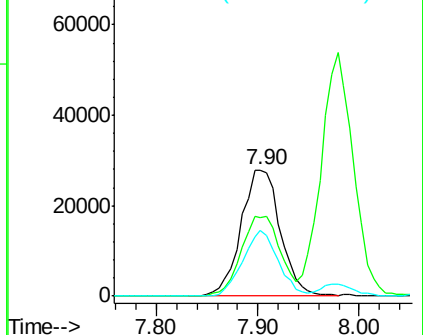


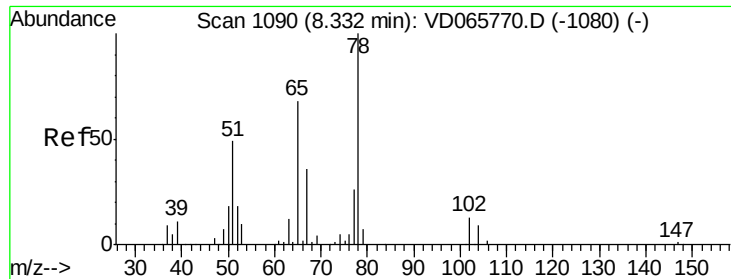
#32
1,1,1-Trichloroethane
Concen: 20.956 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion: 97 Resp: 75129
Ion Ratio Lower Upper
97 100
99 63.3 49.2 73.8
61 46.7 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

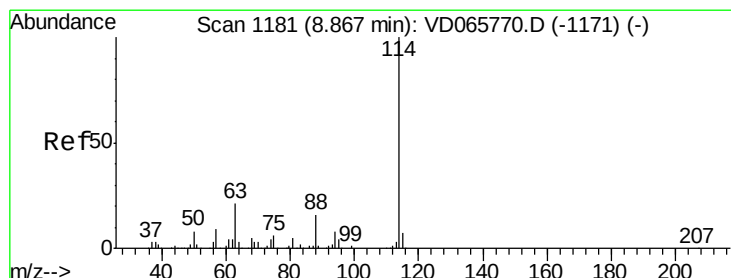
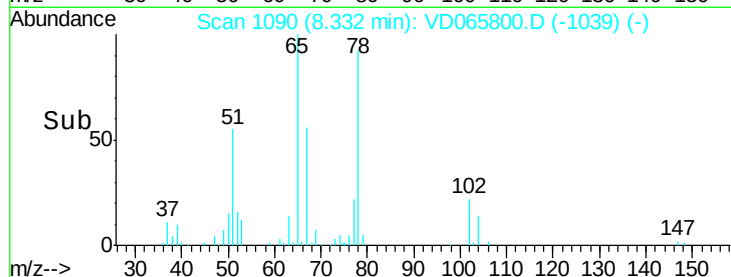
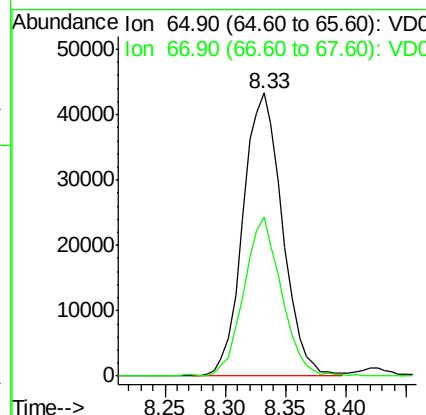
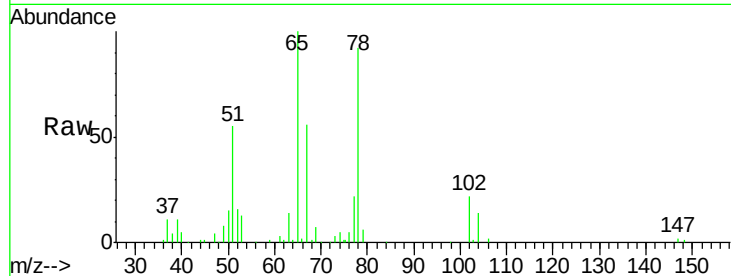




#33
 1,2-Dichloroethane-d4
 Concen: 48.856 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

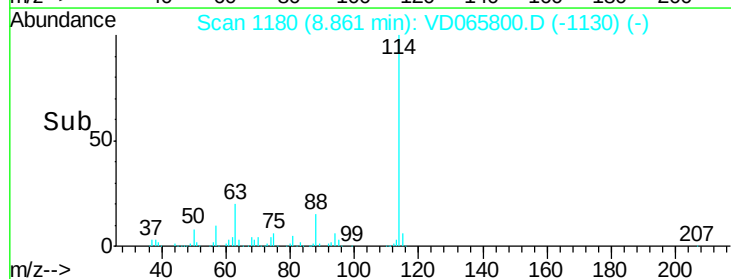
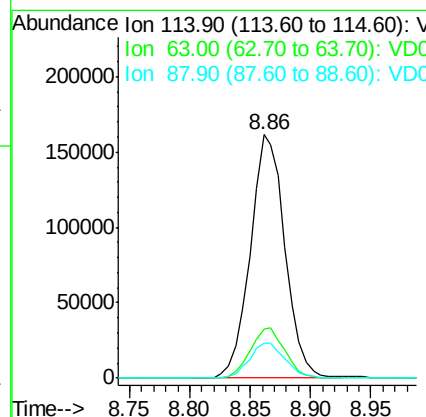
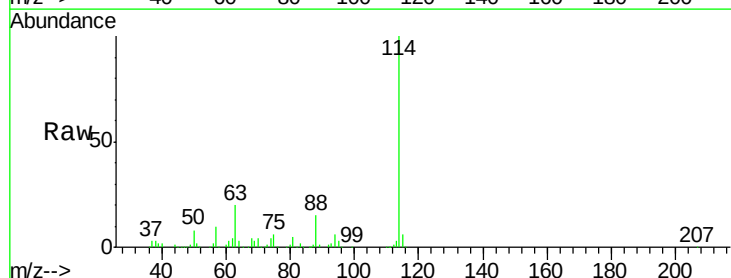
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

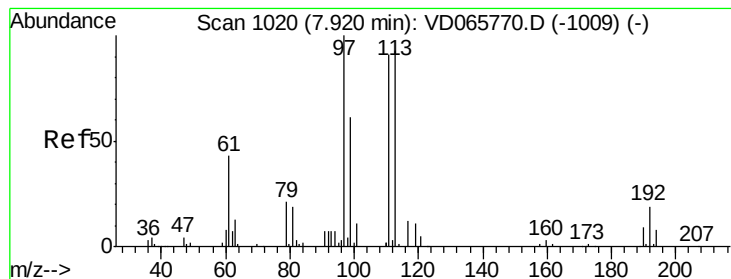
Tot Ion: 65 Resp: 98240
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion: 114 Resp: 322974
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 14.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.288 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

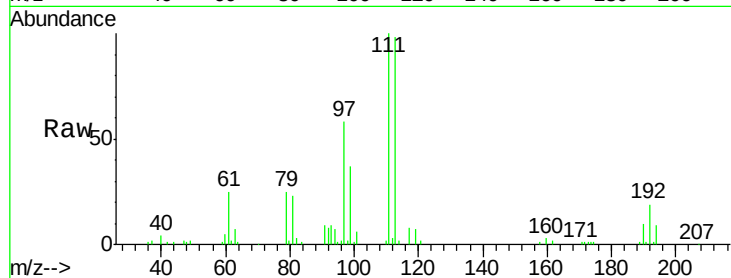
Tot Ion:113 Resp: 98513

Ion Ratio Lower Upper

113 100

111 104.9 83.4 125.0

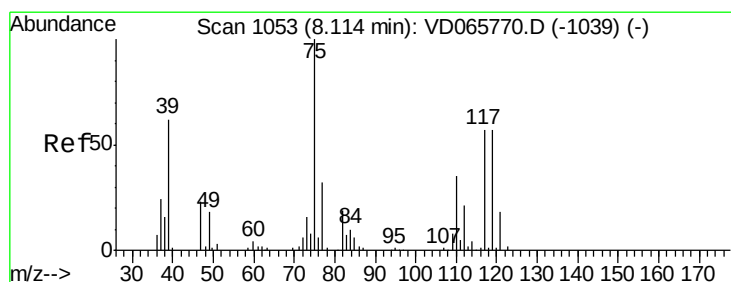
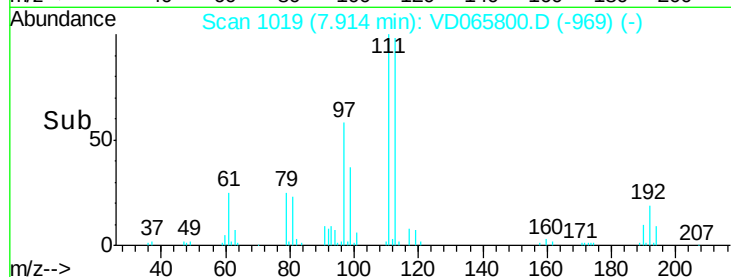
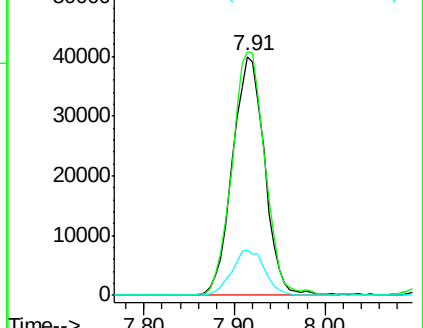
192 19.3 15.7 23.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.710 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

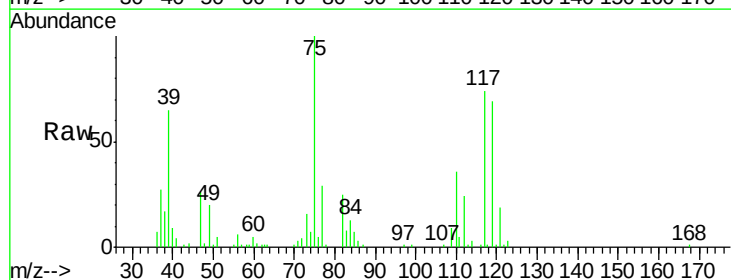
Tgt Ion: 75 Resp: 64073

Ion Ratio Lower Upper

75 100

110 35.8 17.6 52.8

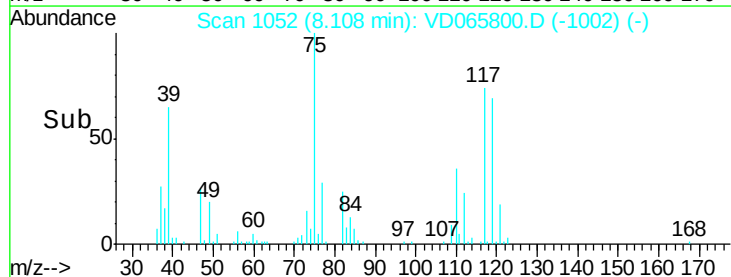
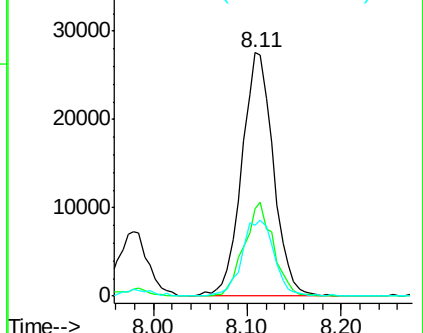
77 31.9 25.1 37.7

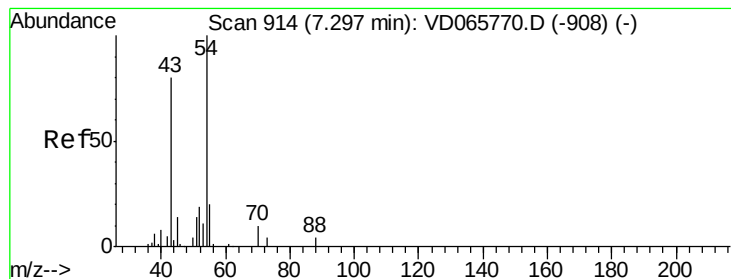


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 19.688 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

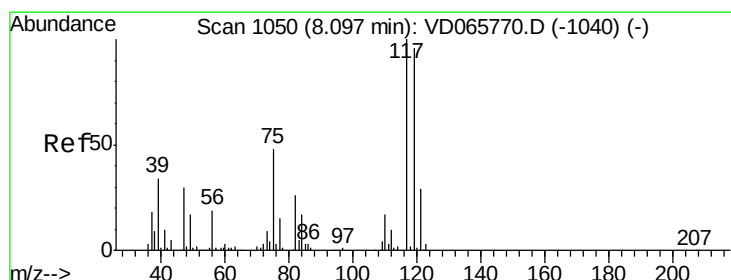
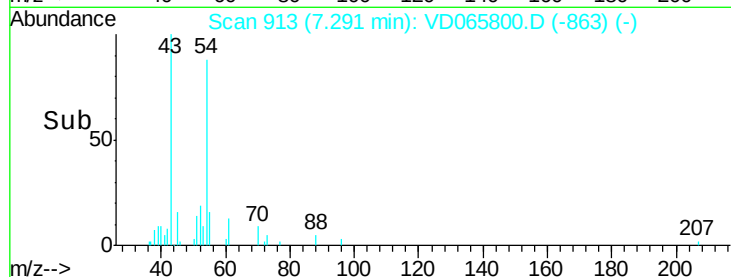
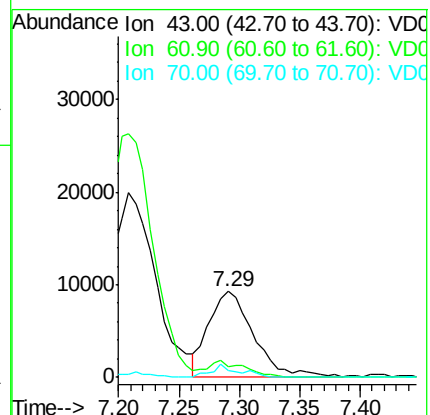
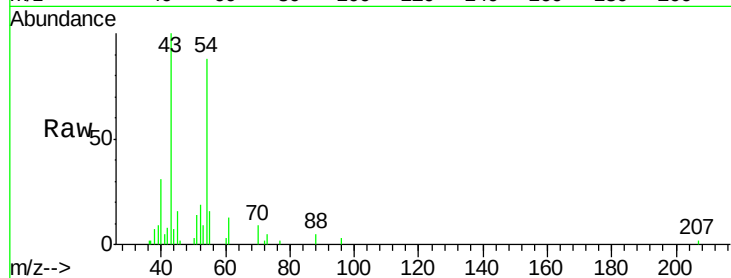
Tot Ion: 43 Resp: 23992

Ion Ratio Lower Upper

43 100

61 14.0 10.6 15.8

70 9.1 7.5 11.3



#38

Carbon Tetrachloride

Concen: 21.557 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

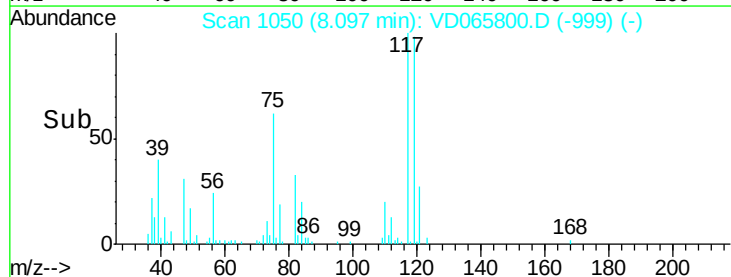
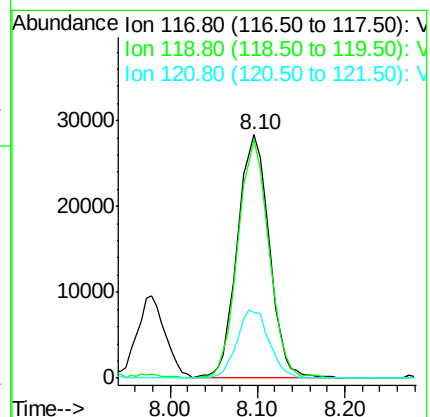
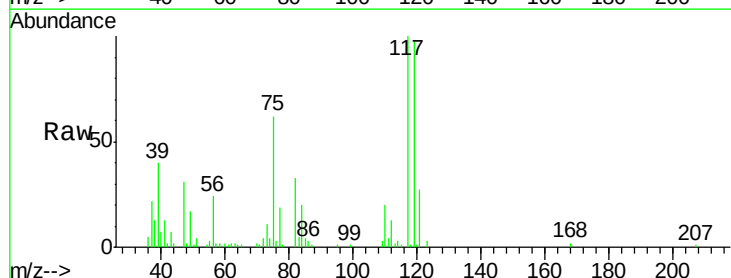
Tgt Ion: 117 Resp: 70190

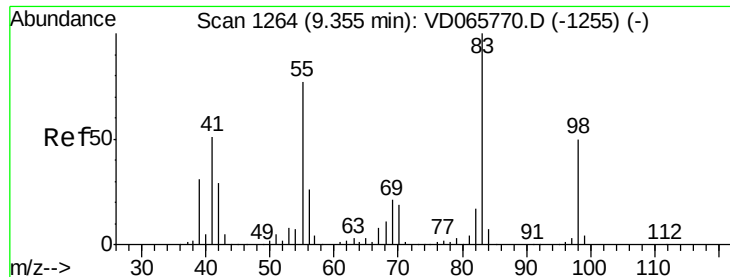
Ion Ratio Lower Upper

117 100

119 97.8 76.8 115.2

121 26.7 23.4 35.2

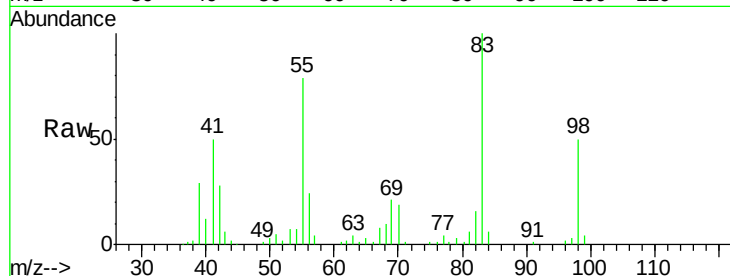




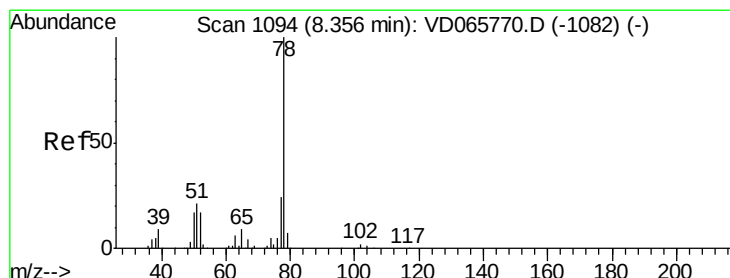
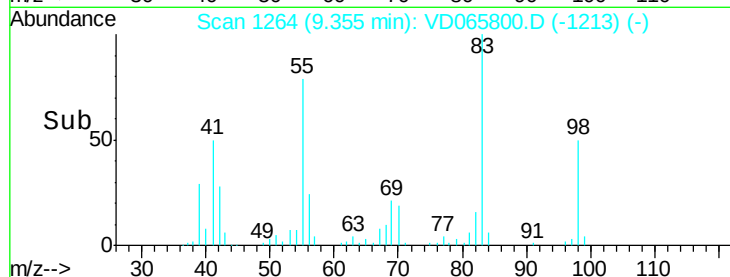
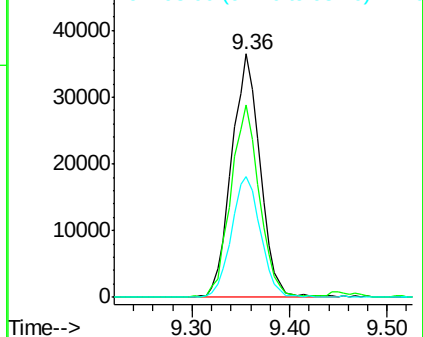
#39
Methylvlcyclohexane
Concen: 20.368 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

Tot Ion: 83 Resp: 74610
Ion Ratio Lower Upper
83 100
55 78.8 61.6 92.4
98 49.5 40.2 60.2

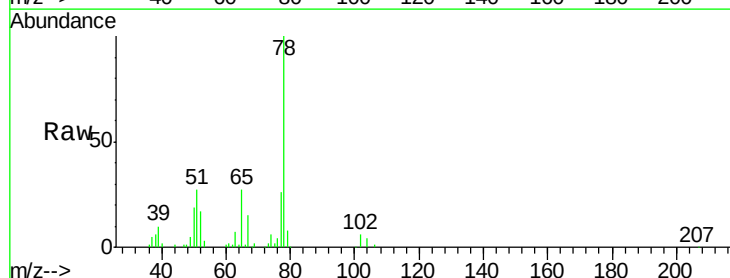


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

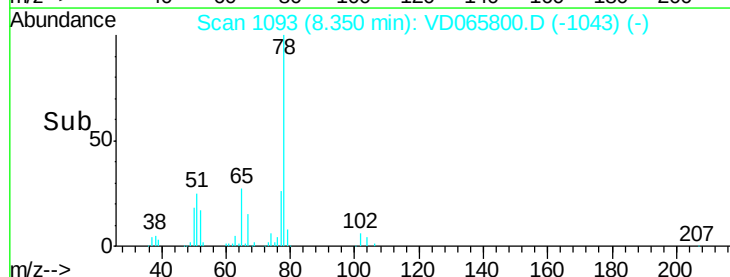
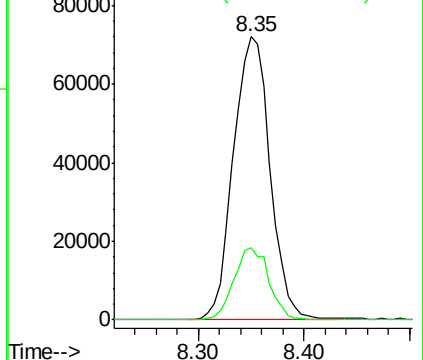


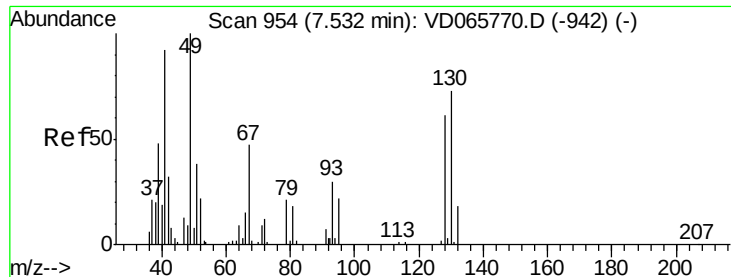
#40
Benzene
Concen: 20.490 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion: 78 Resp: 173308
Ion Ratio Lower Upper
78 100
77 25.5 19.2 28.8



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

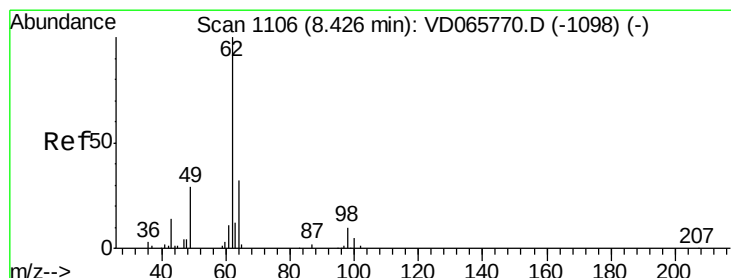
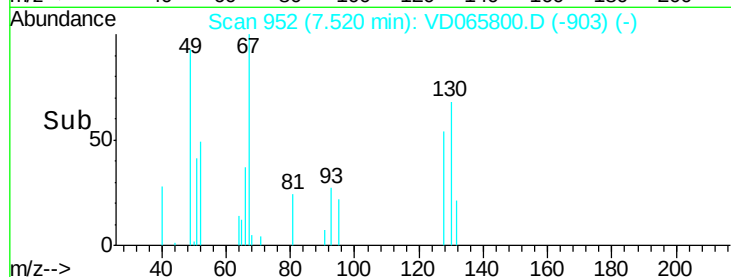
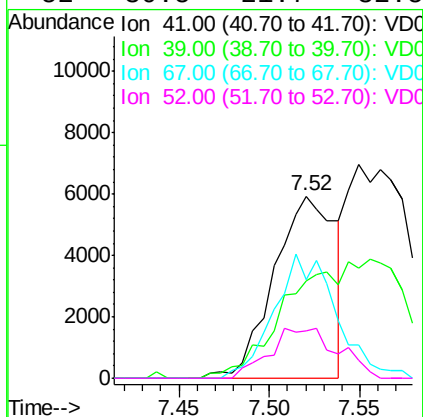
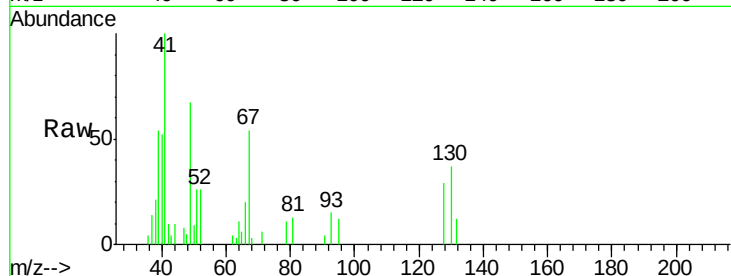




#41
Methacrylonitrile
Concen: 19.269 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

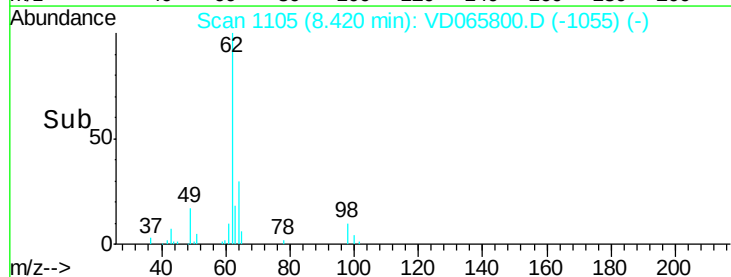
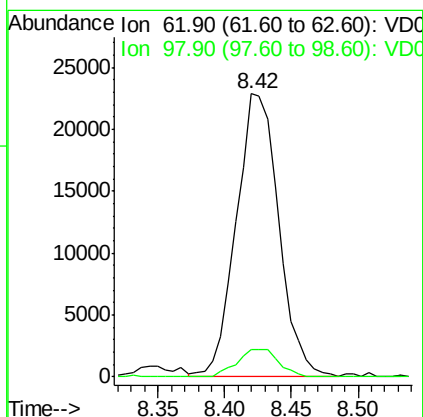
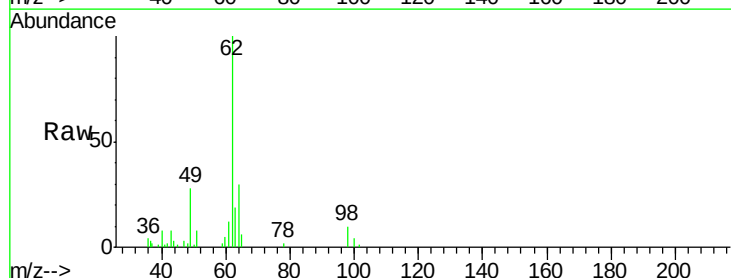
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

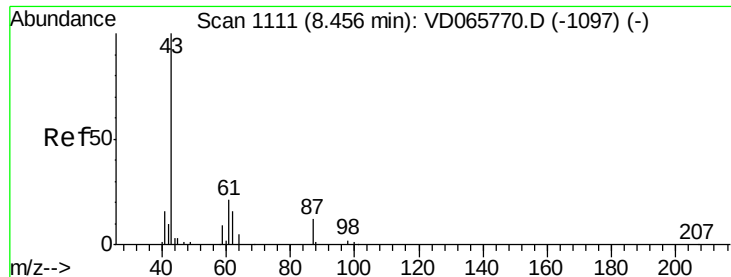
Tot Ion: 41 Resp: 13982
Ion Ratio Lower Upper
41 100
39 0.0 38.3 57.5#
67 69.0 49.8 74.6
52 30.5 21.7 32.5



#42
1,2-Dichloroethane
Concen: 19.793 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion: 62 Resp: 50513
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.6





#43

Isopropyl Acetate

Concen: 19.071 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

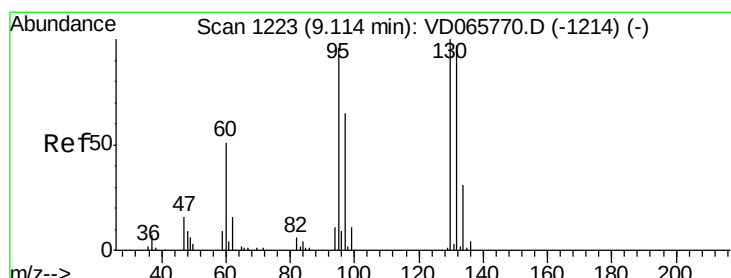
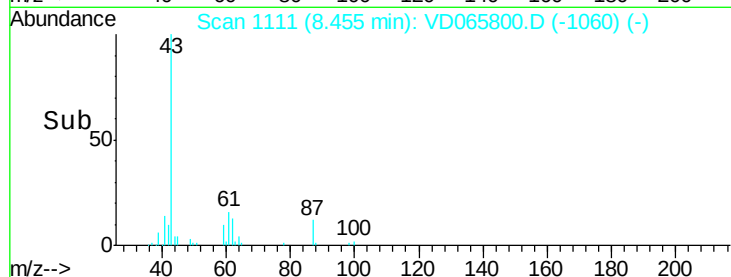
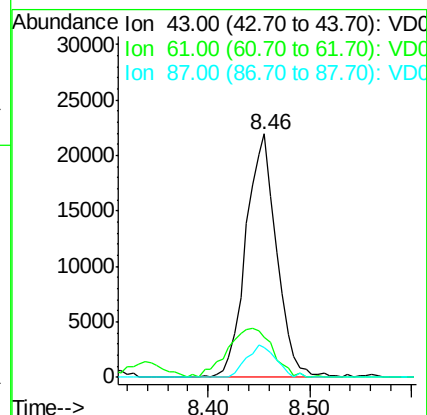
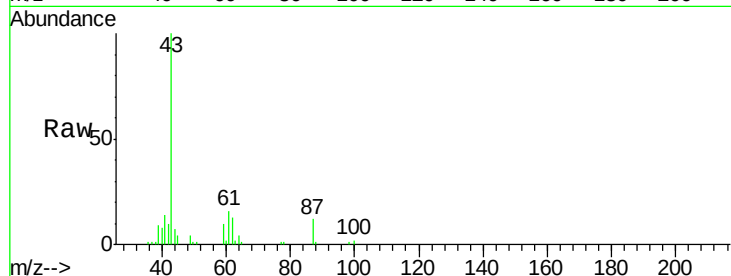
Tot Ion: 43 Resp: 46214

Ion Ratio Lower Upper

43 100

61 29.4 24.2 36.4

87 12.8 9.5 14.3



#44

Trichloroethene

Concen: 19.976 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065800.D

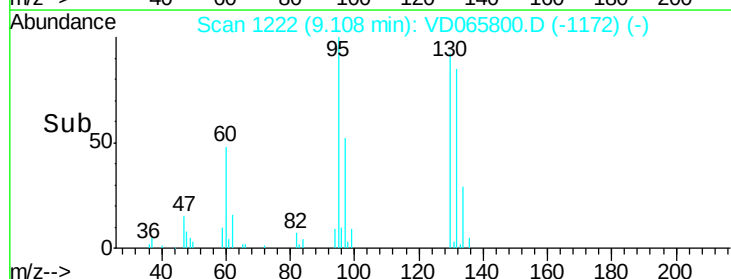
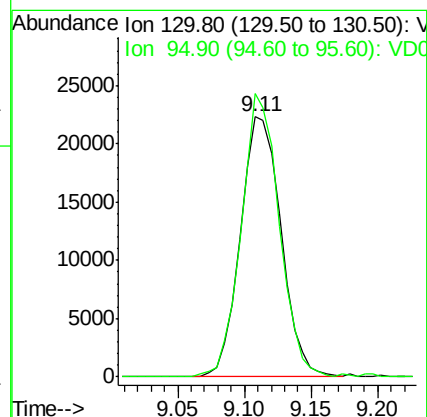
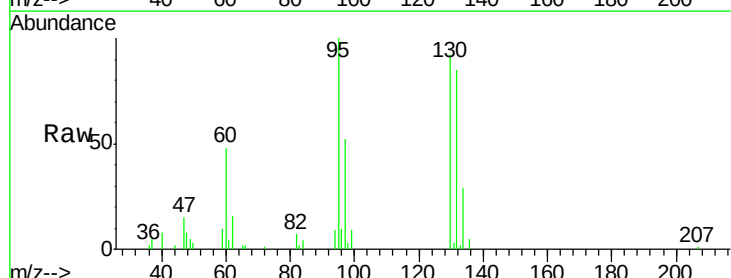
Acq: 18 Jun 2020 11:37

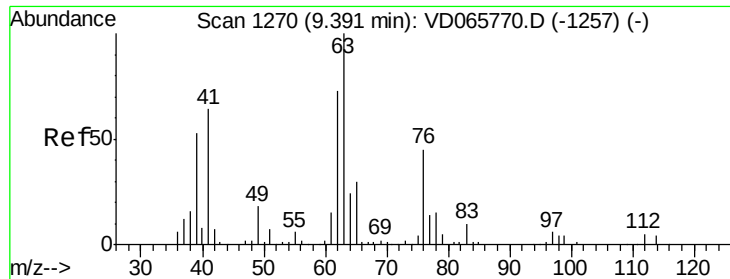
Tgt Ion: 130 Resp: 47019

Ion Ratio Lower Upper

130 100

95 108.9 0.0 192.8

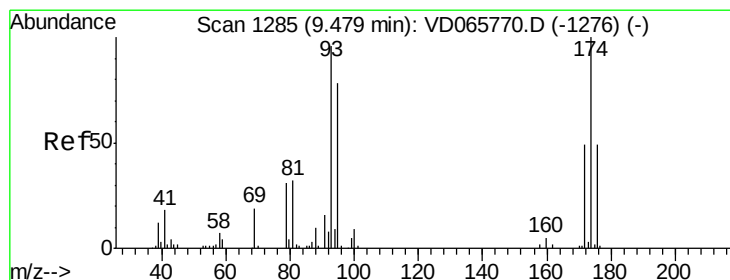
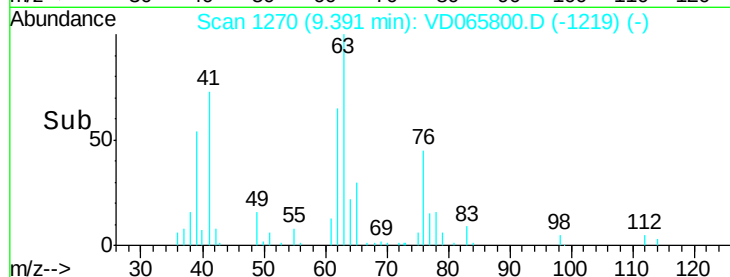
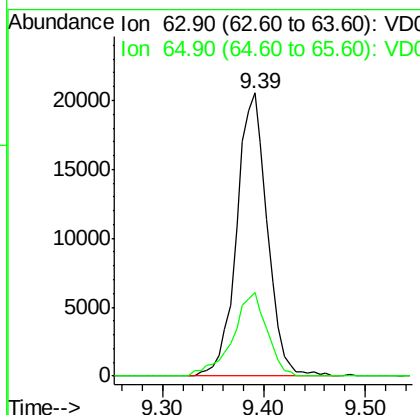
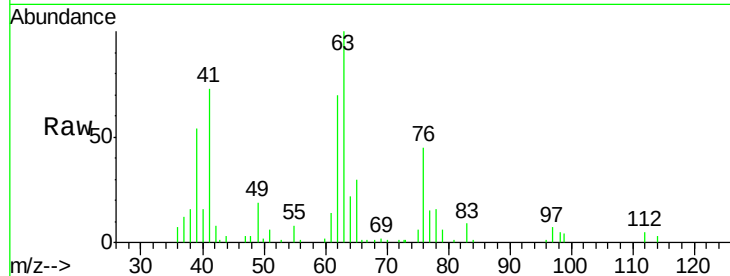




#45
 1,2-Dichloropropane
 Concen: 20.192 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

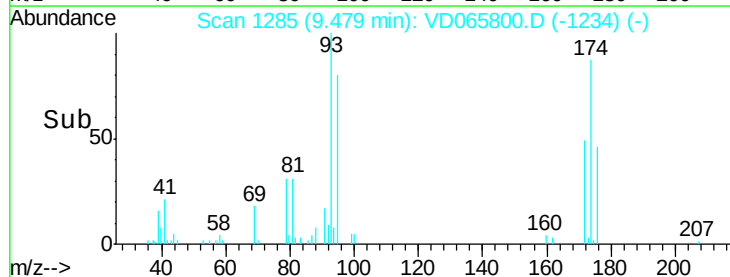
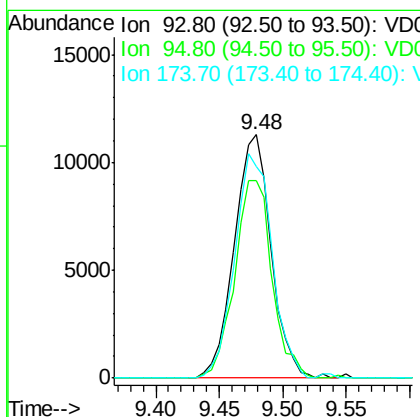
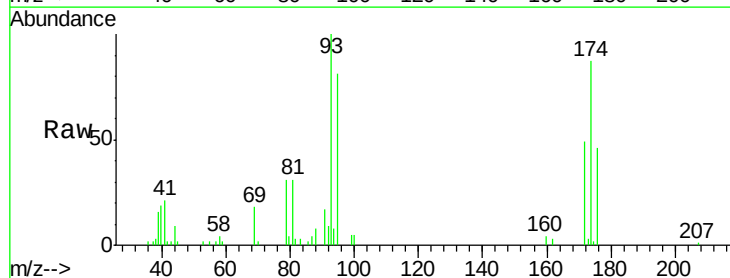
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

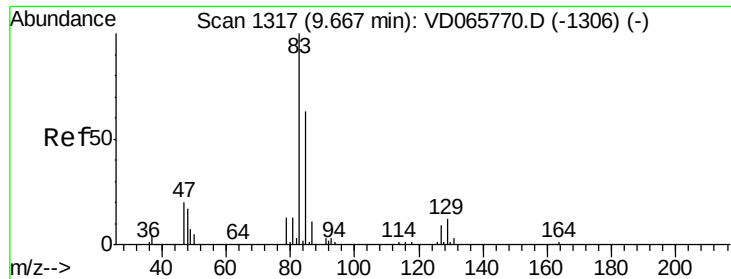
Tot Ion: 63 Resp: 42912
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.2 36.2



#46
 Dibromomethane
 Concen: 19.731 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion: 93 Resp: 22742
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.8 98.6
 174 93.7 80.9 121.3

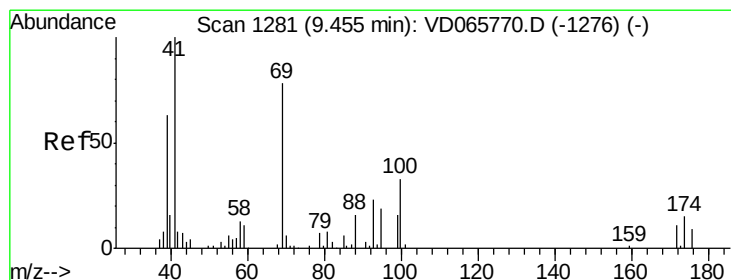
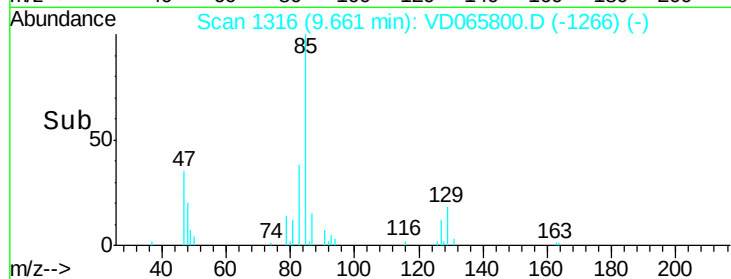
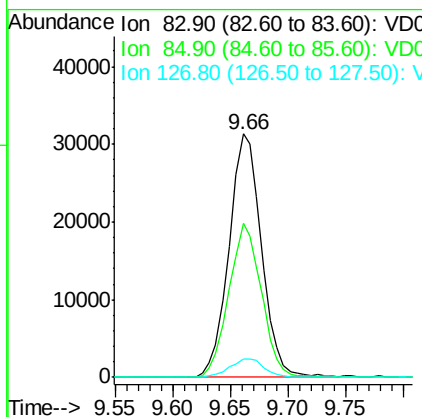
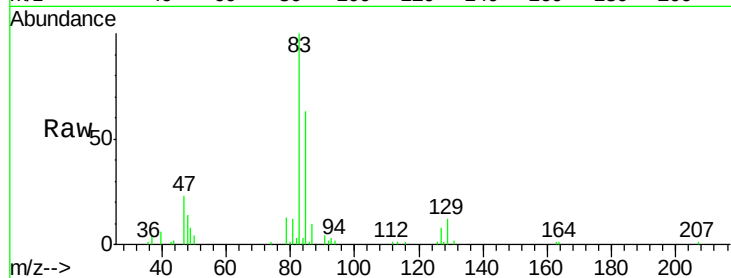




#47
Bromodichloromethane
Concen: 19.787 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

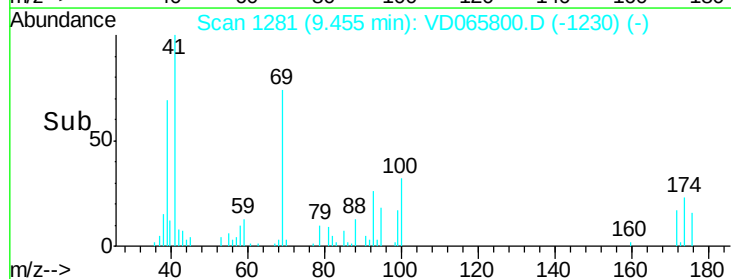
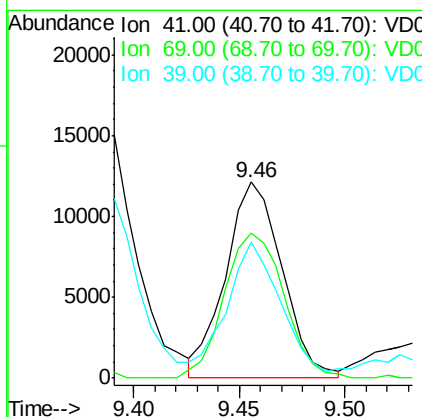
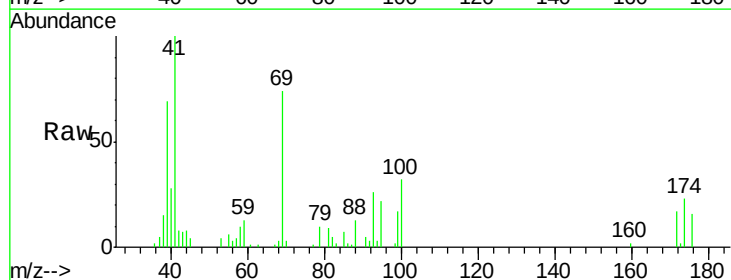
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

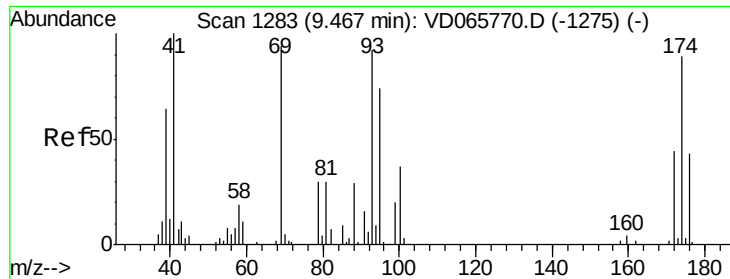
Tot Ion: 83 Resp: 61115
Ion Ratio Lower Upper
83 100
85 63.3 50.7 76.1
127 7.8 7.1 10.7



#48
Methyl methacrylate
Concen: 19.182 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion: 41 Resp: 22500
Ion Ratio Lower Upper
41 100
69 78.3 60.9 91.3
39 60.1 48.1 72.1

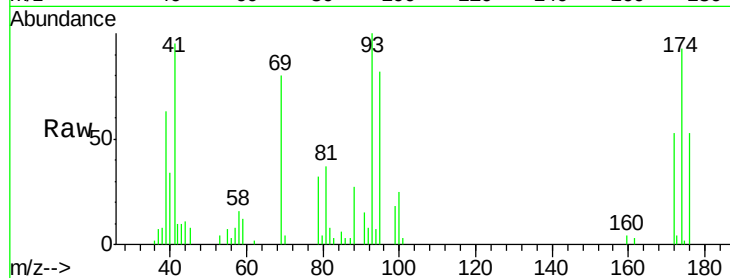




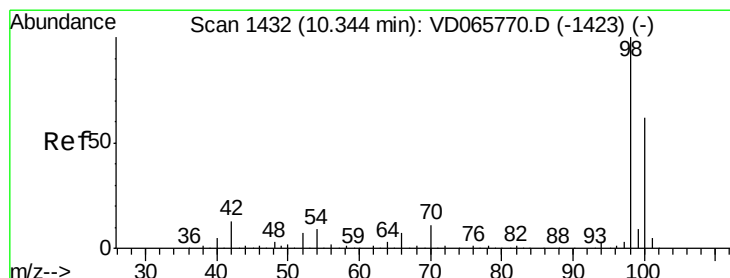
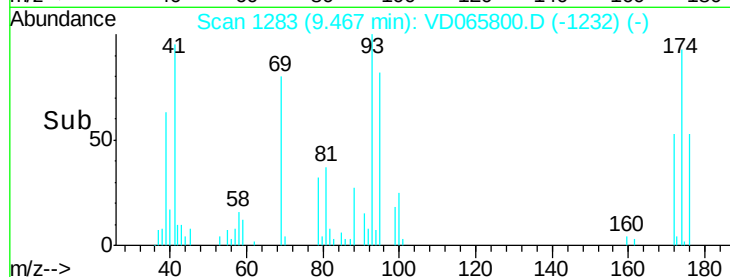
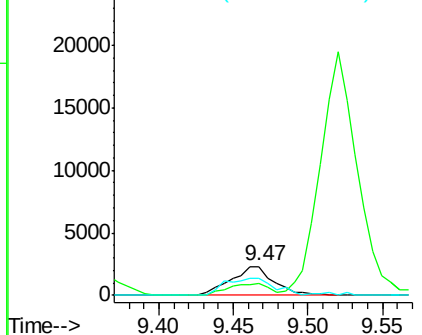
#49
 1,4-Dioxane
 Concen: 381.067 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Tot Ion: 88 Resp: 4675
 Ion Ratio Lower Upper
 88 100
 43 39.0 32.2 48.4
 58 66.0 54.9 82.3

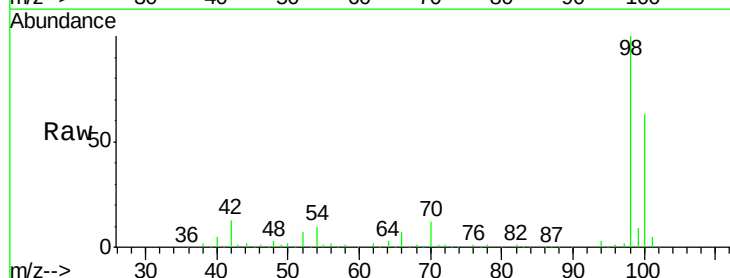


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

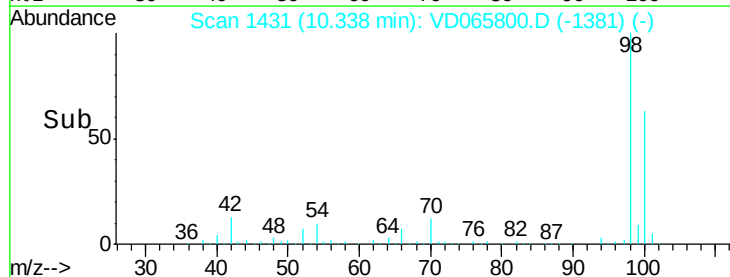
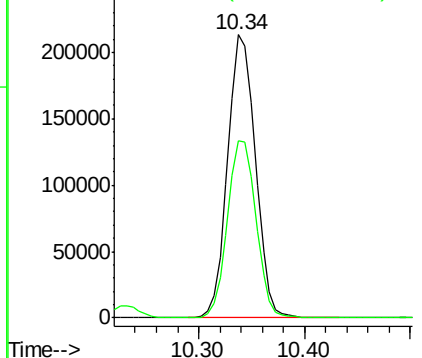


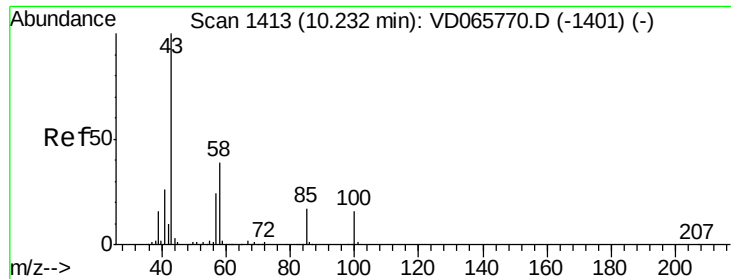
#50
 Toluene-d8
 Concen: 51.099 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion: 98 Resp: 388726
 Ion Ratio Lower Upper
 98 100
 100 64.5 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: 94.511 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

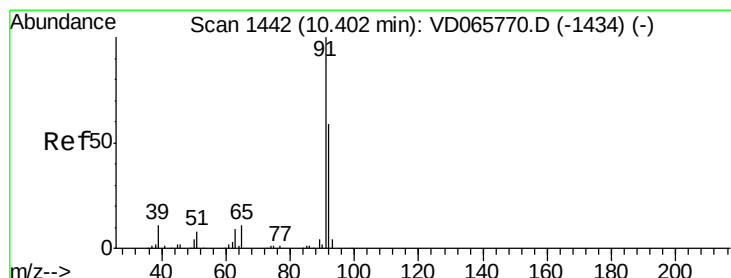
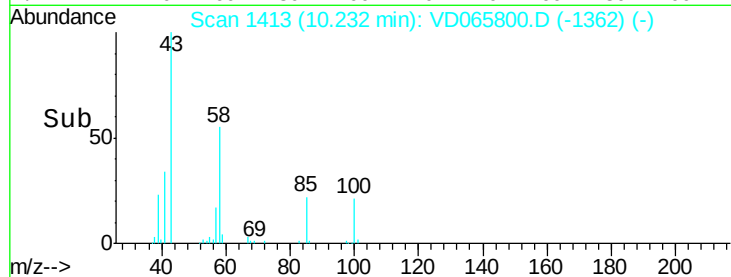
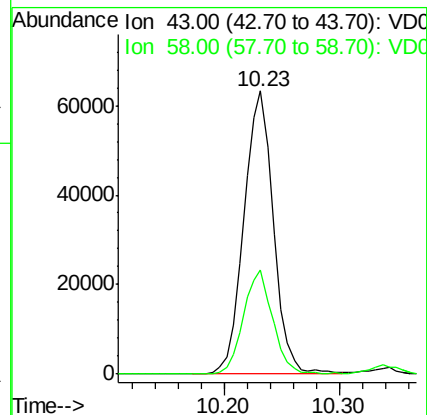
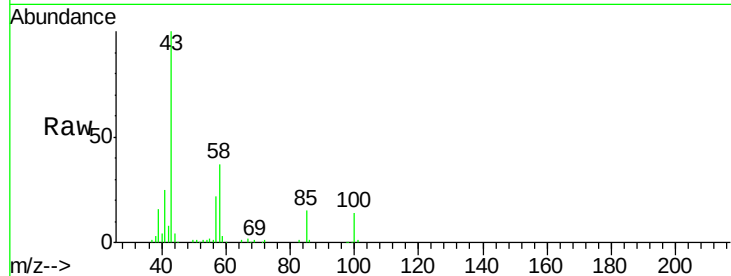
VD0618SBS01

Tot Ion: 43 Resp: 112225

Ion Ratio Lower Upper

43 100

58 36.5 30.7 46.1



#52

Toluene

Concen: 20.685 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065800.D

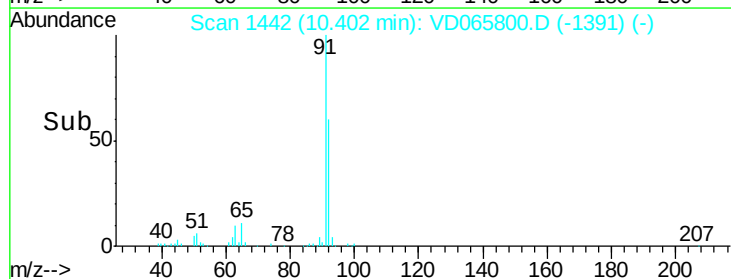
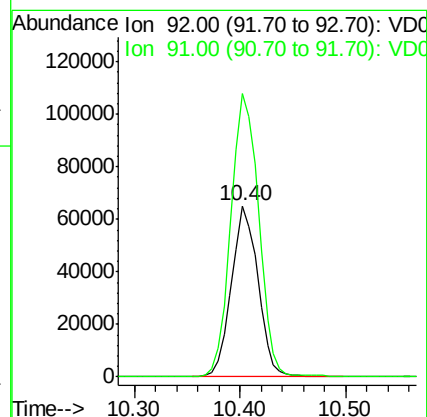
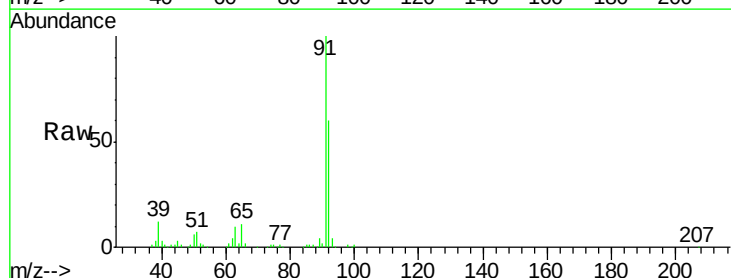
Acq: 18 Jun 2020 11:37

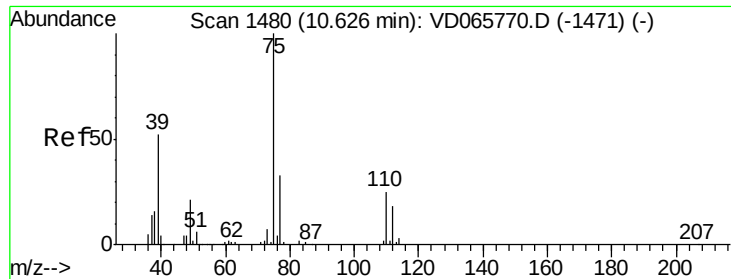
Tgt Ion: 92 Resp: 113677

Ion Ratio Lower Upper

92 100

91 173.8 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 19.758 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

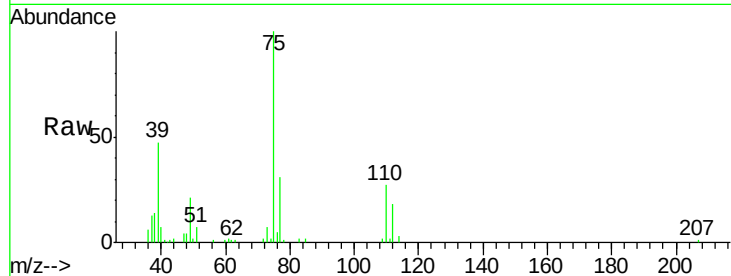
VD0618SBS01

Tot Ion: 75 Resp: 55261

Ion Ratio Lower Upper

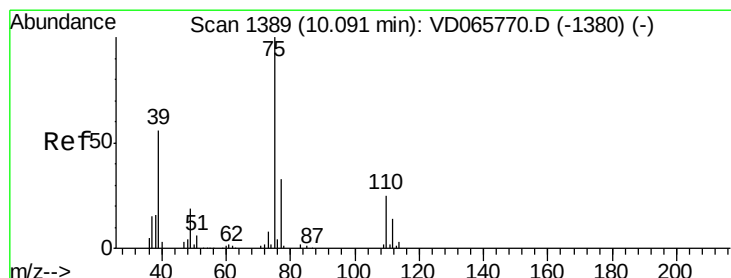
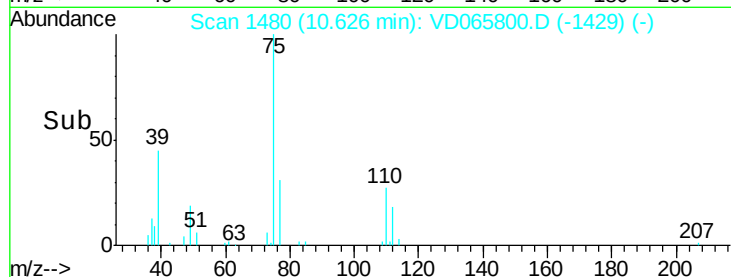
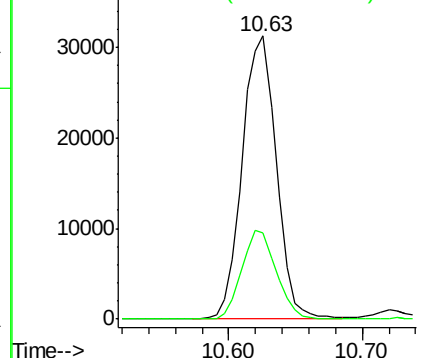
75 100

77 30.7 26.4 39.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.107 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

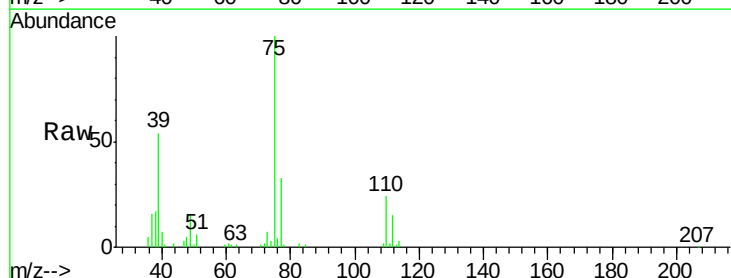
Tgt Ion: 75 Resp: 66419

Ion Ratio Lower Upper

75 100

77 33.0 26.0 39.0

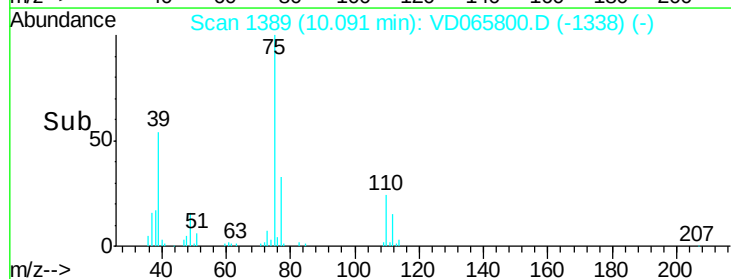
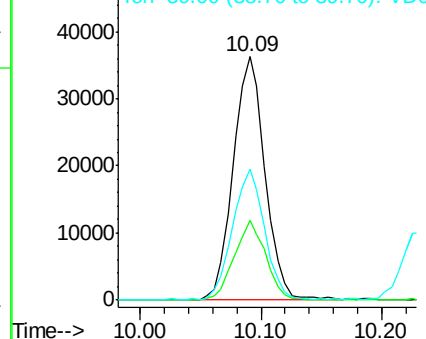
39 53.6 45.0 67.6

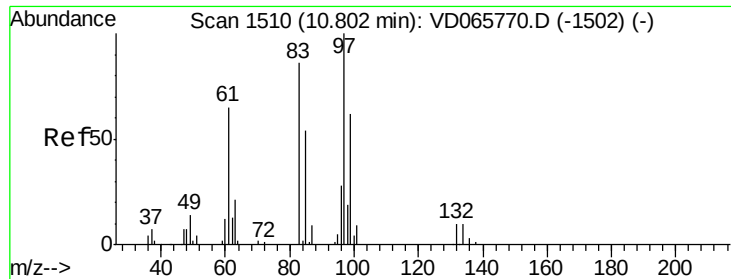


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

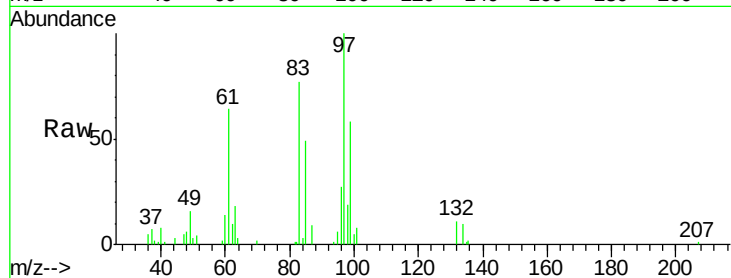




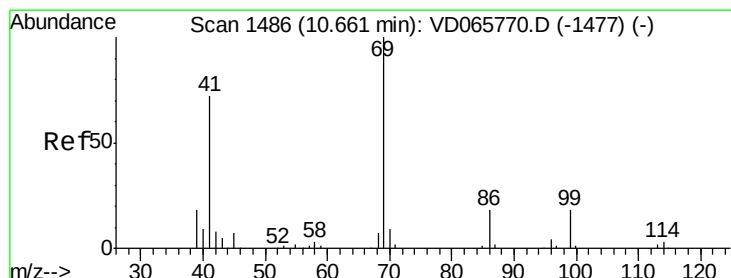
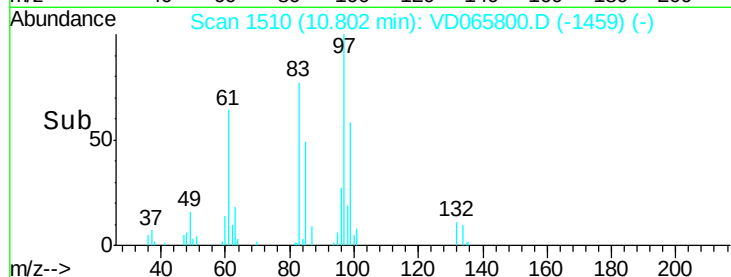
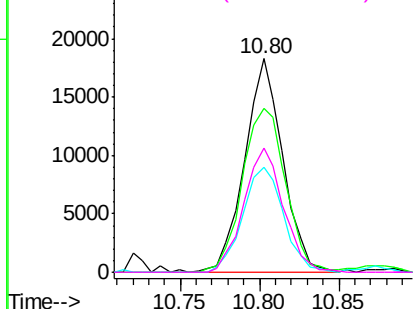
#55
 1,1,2-Trichloroethane
 Concen: 19.783 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Tot Ion: 97 Resp: 30467
 Ion Ratio Lower Upper
 97 100
 83 76.6 68.7 103.1
 85 49.3 43.0 64.6
 99 58.2 49.8 74.6

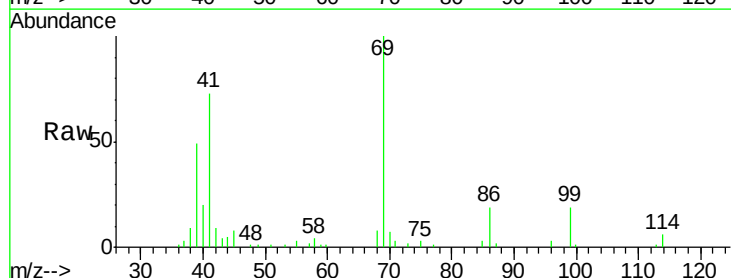


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

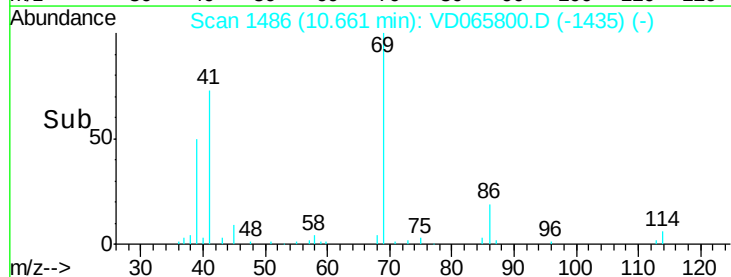
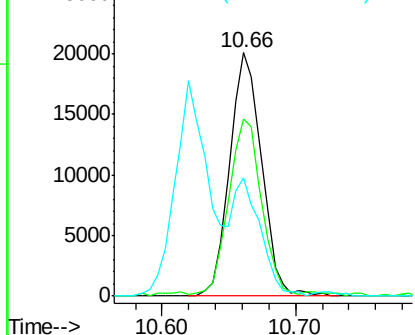


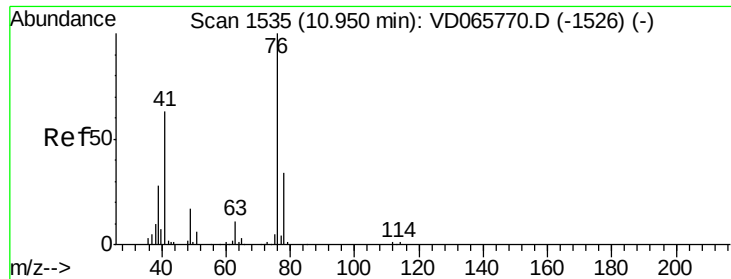
#56
 Ethyl methacrylate
 Concen: 18.527 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion: 69 Resp: 33560
 Ion Ratio Lower Upper
 69 100
 41 73.6 56.9 85.3
 39 40.4 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: 19.831 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

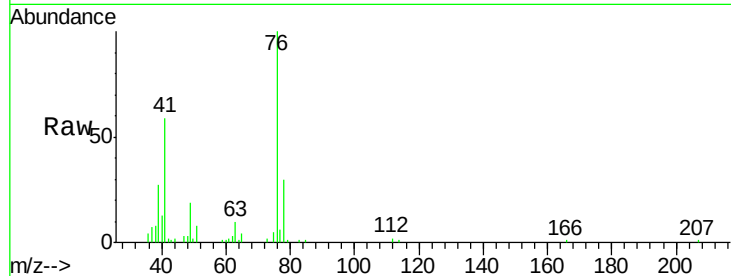
VD0618SBS01

Tot Ion: 76 Resp: 52913

Ion Ratio Lower Upper

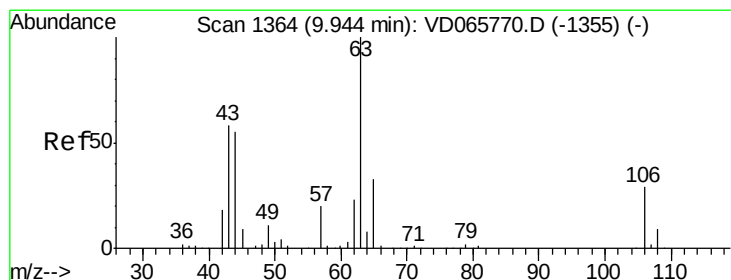
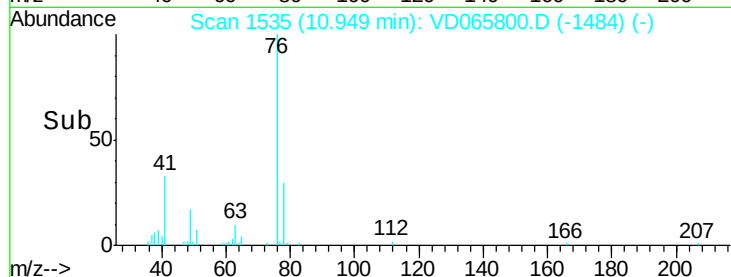
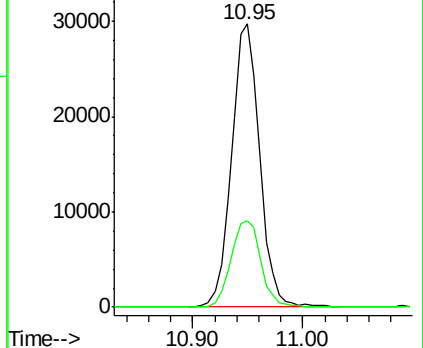
76 100

78 32.4 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 99.119 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065800.D

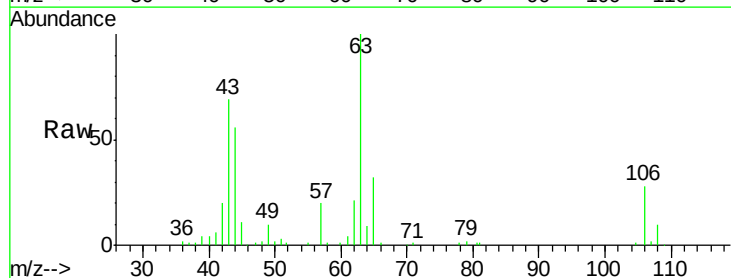
Acq: 18 Jun 2020 11:37

Tgt Ion: 63 Resp: 83475

Ion Ratio Lower Upper

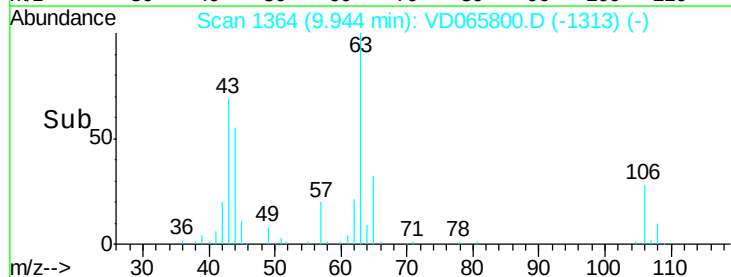
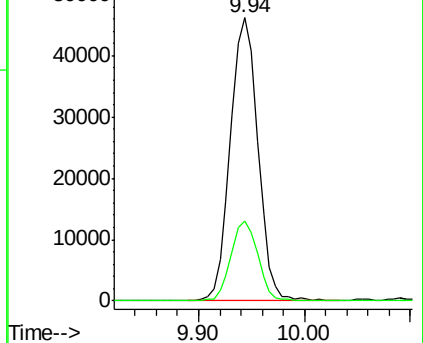
63 100

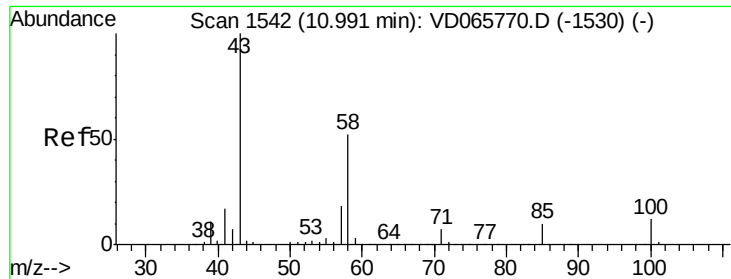
106 27.5 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

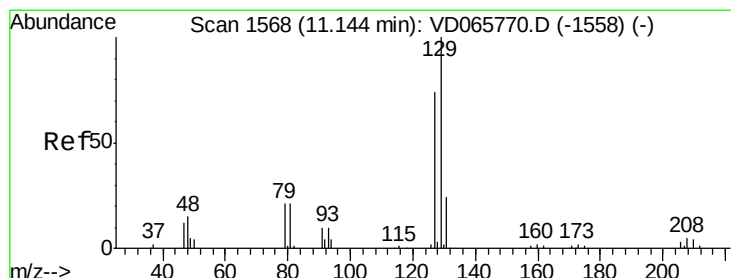
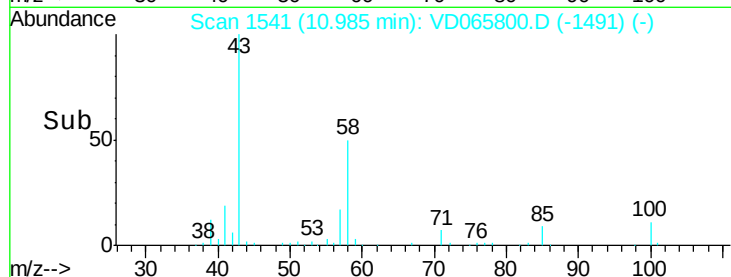
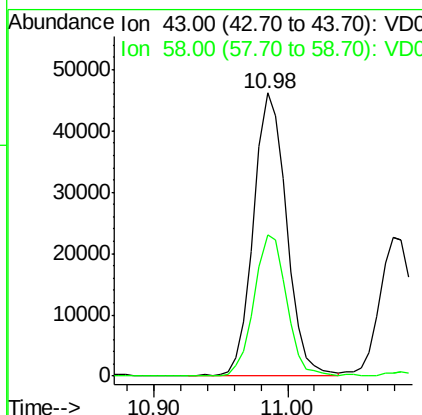
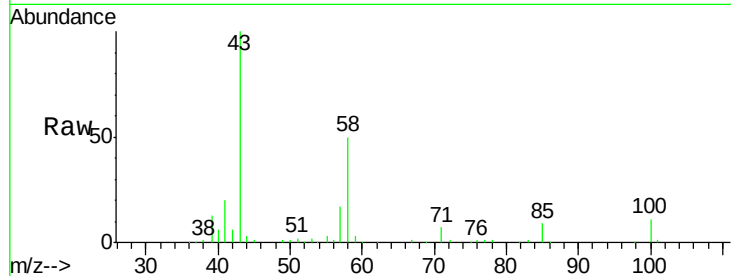




#59
2-Hexanone
Concen: 98.585 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

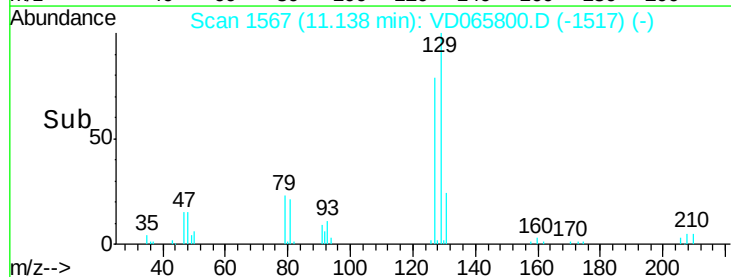
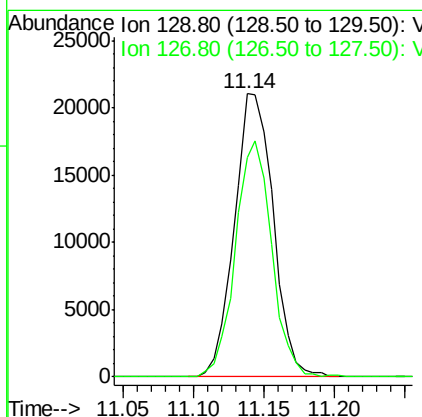
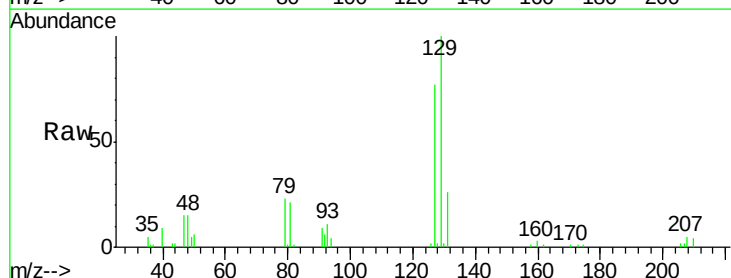
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

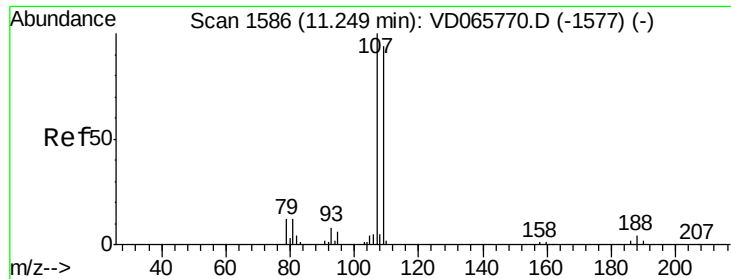
Tot Ion: 43 Resp: 78923
Ion Ratio Lower Upper
43 100
58 49.0 25.7 77.0



#60
Dibromochloromethane
Concen: 19.491 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion: 129 Resp: 40550
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9

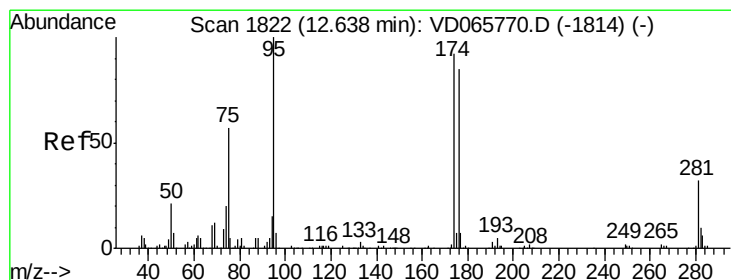
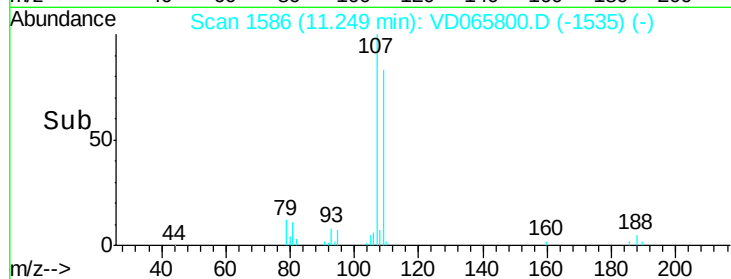
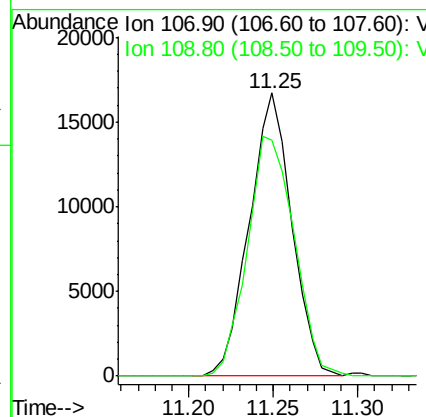
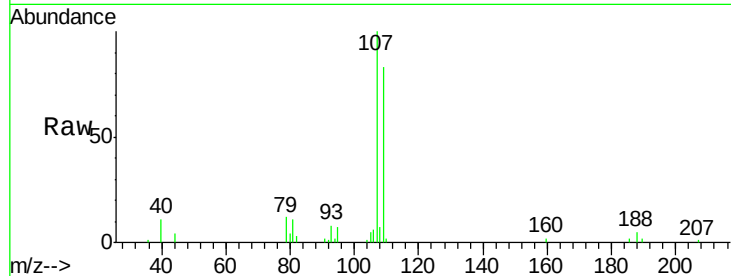




#61
 1,2-Dibromoethane
 Concen: 19.270 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

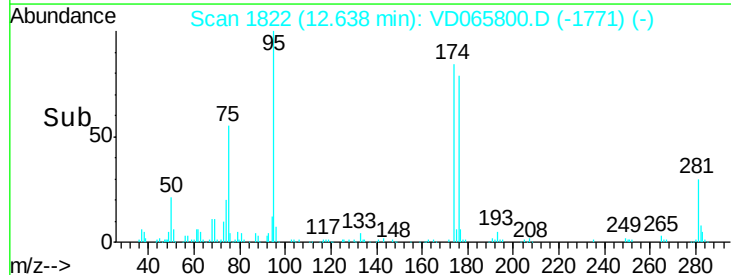
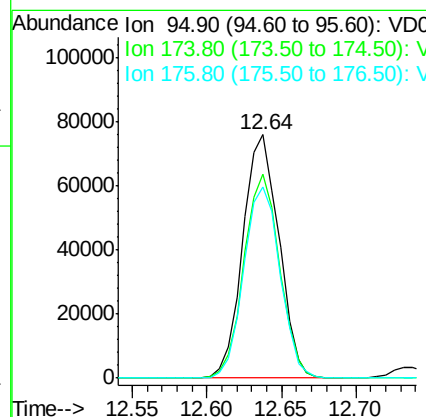
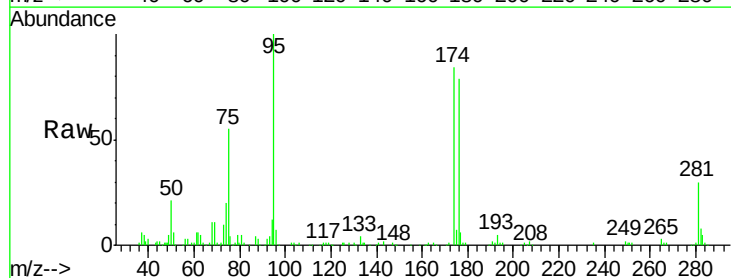
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

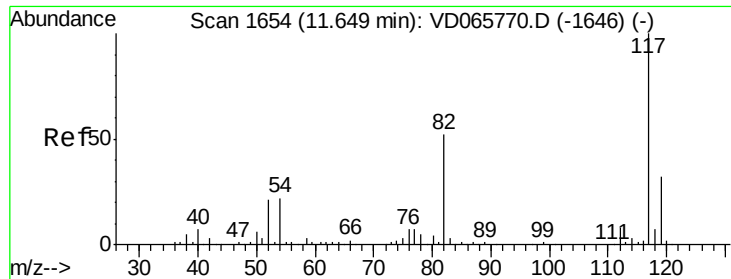
Tot Ion:107 Resp: 29165
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 49.326 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion: 95 Resp: 127255
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 175.2
 176 78.9 0.0 163.0

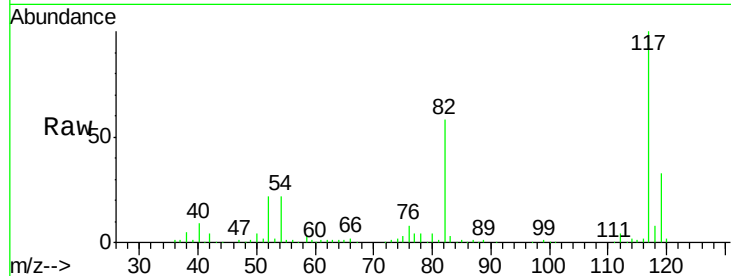




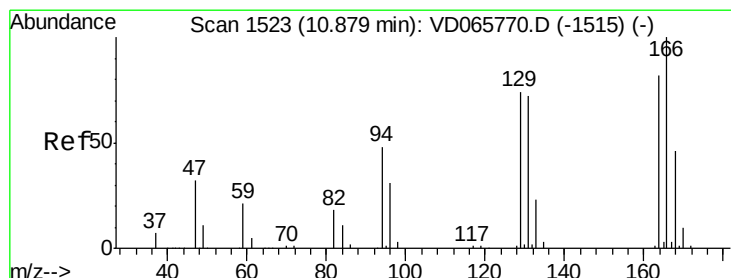
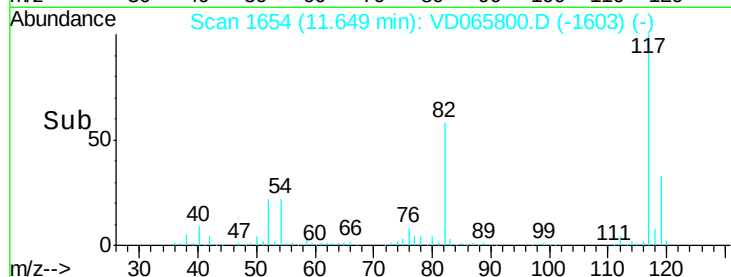
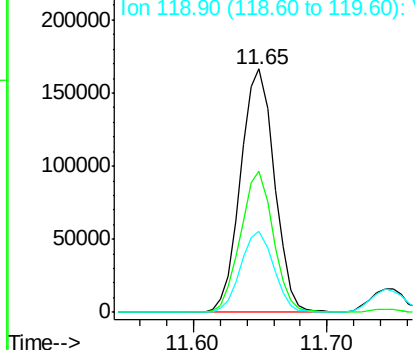
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

Tot Ion:117 Resp: 291692
Ion Ratio Lower Upper
117 100
82 58.0 41.9 62.9
119 33.4 25.3 37.9

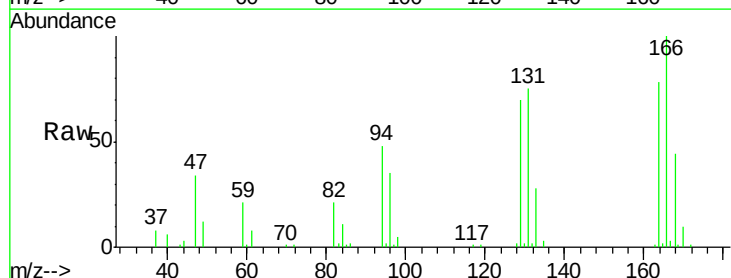


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

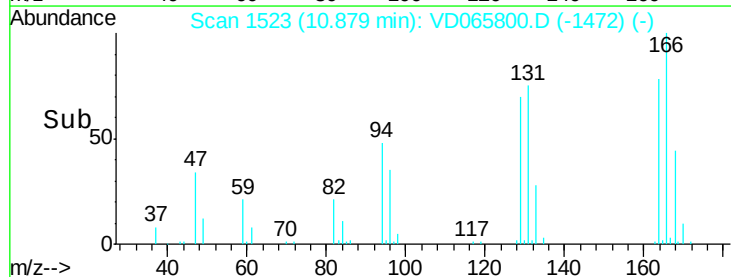
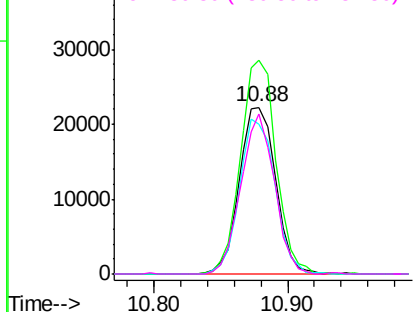


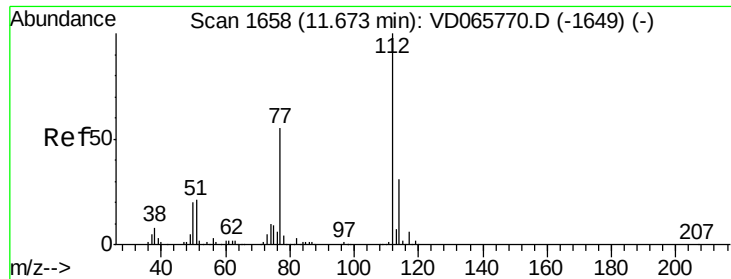
#64
Tetrachloroethene
Concen: 21.215 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion:164 Resp: 41845
Ion Ratio Lower Upper
164 100
166 128.3 98.2 147.2
129 90.3 72.3 108.5
131 95.7 70.5 105.7



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

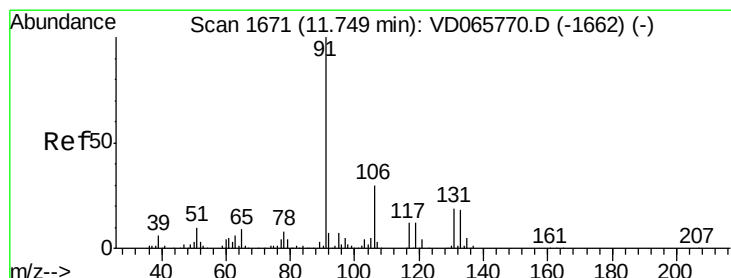
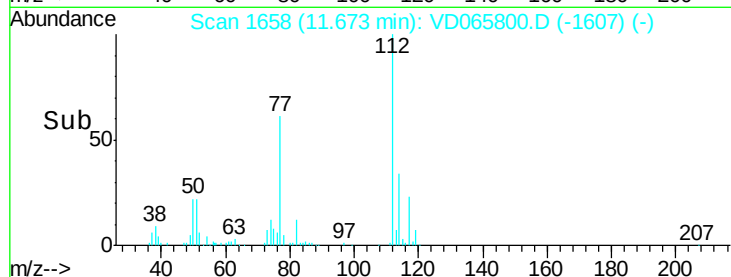
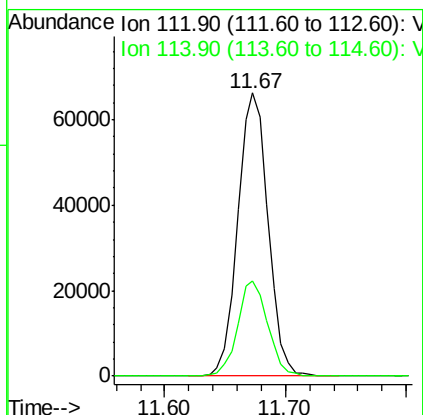
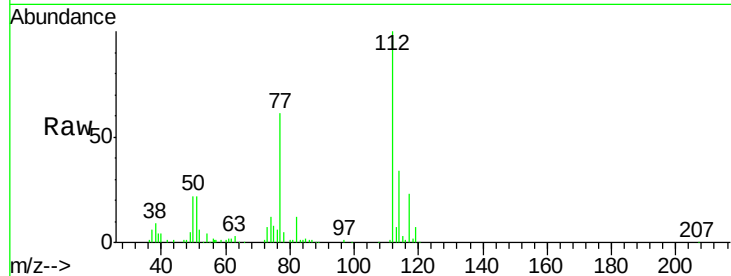




#65
Chlorobenzene
Concen: 20.272 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

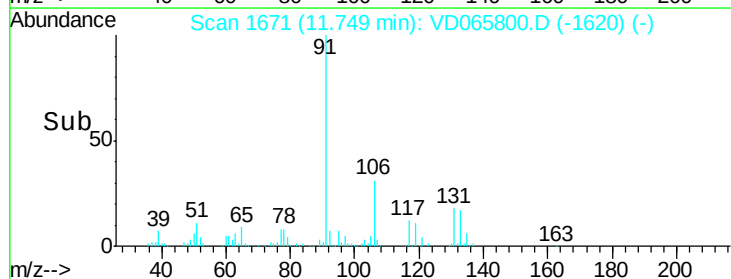
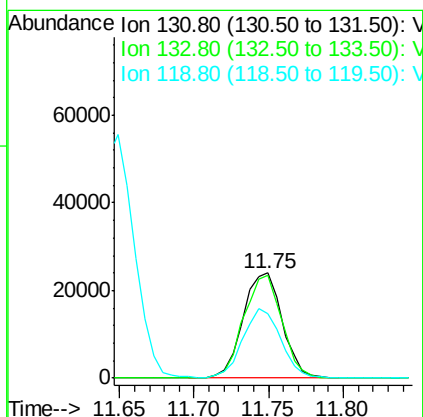
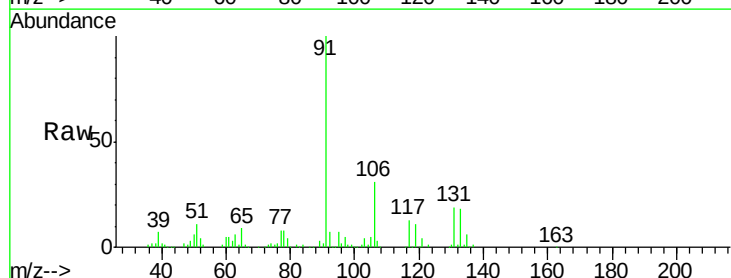
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

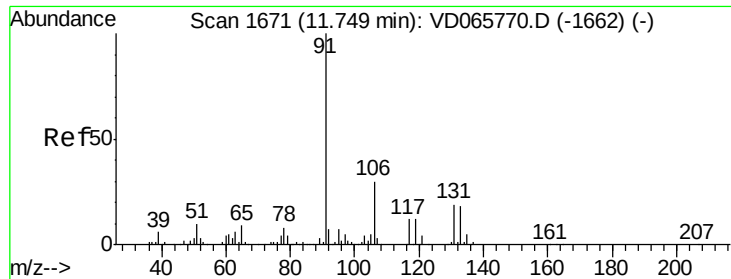
Tot Ion:112 Resp: 115441
Ion Ratio Lower Upper
112 100
114 33.8 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.465 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion:131 Resp: 43441
Ion Ratio Lower Upper
131 100
133 96.6 47.3 141.9
119 64.1 31.6 94.8





#67

Ethyl Benzene

Concen: 20.759 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

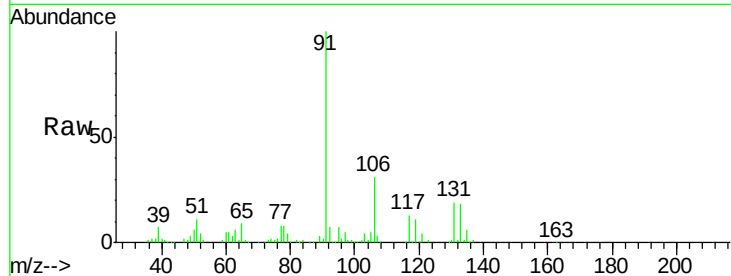
VD0618SBS01

Tot Ion: 91 Resp: 211179

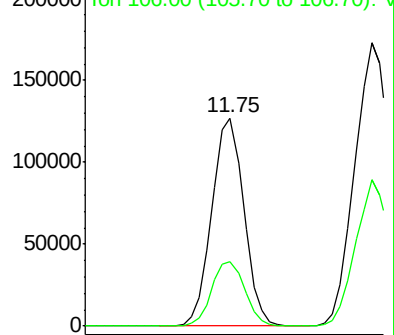
Ion Ratio Lower Upper

91 100

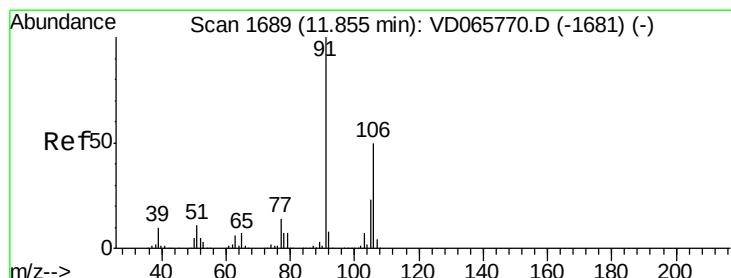
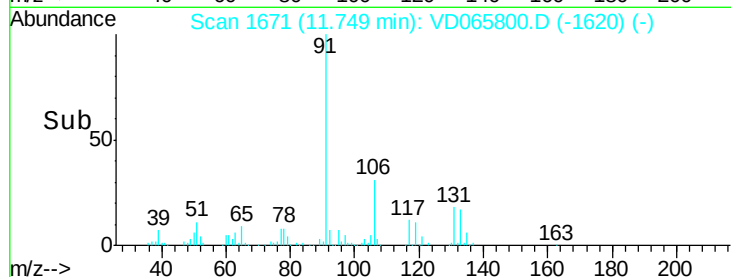
106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VD065770.D (-1662) (-)



Time-->



#68

m/p-Xylenes

Concen: 41.687 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065800.D

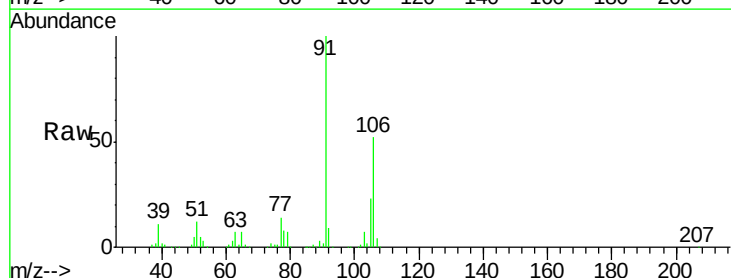
Acq: 18 Jun 2020 11:37

Tgt Ion: 106 Resp: 163348

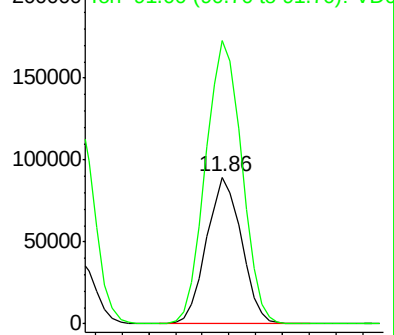
Ion Ratio Lower Upper

106 100

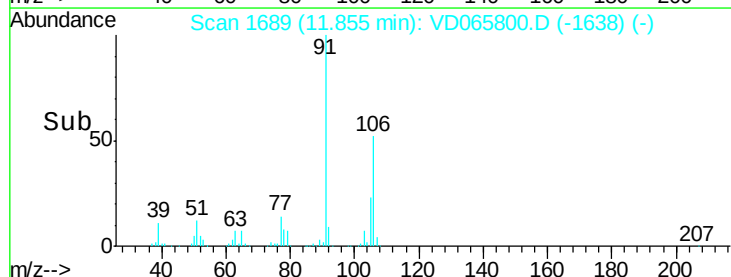
91 199.7 159.4 239.2

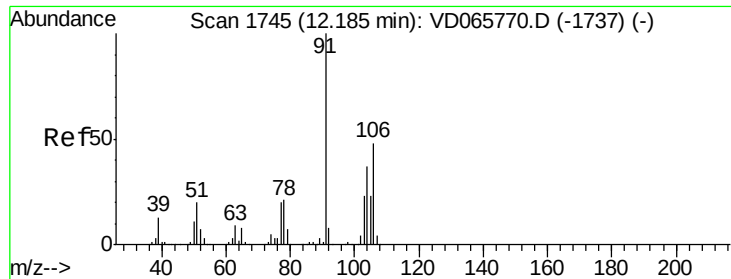


Abundance Ion 106.00 (105.70 to 106.70): VD065770.D (-1681) (-)



Time-->

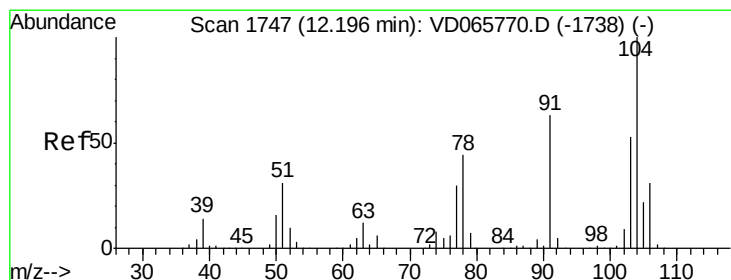
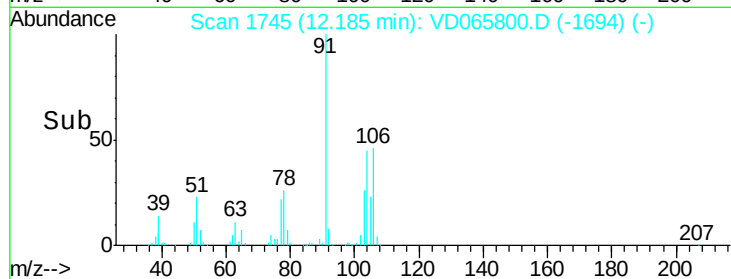
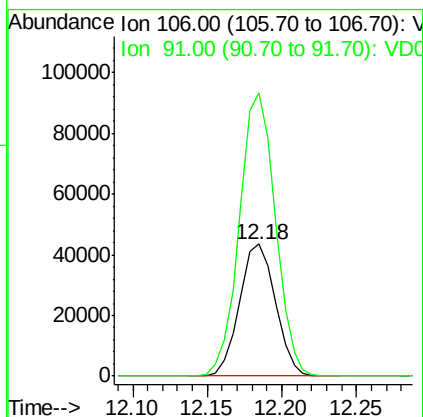
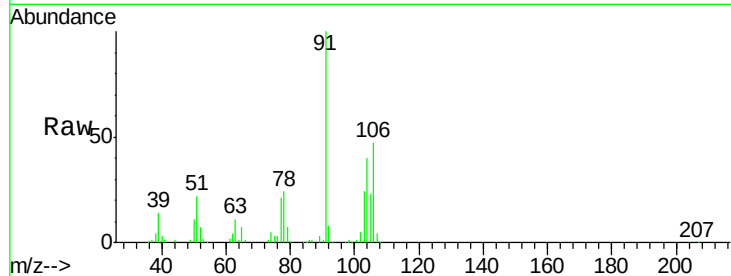




#69
o-Xylene
Concen: 20.663 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

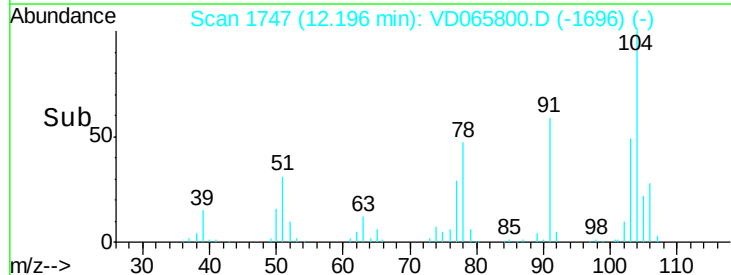
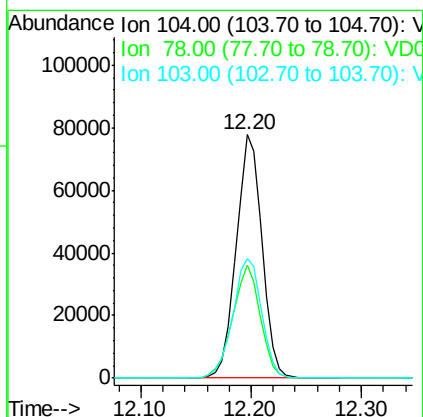
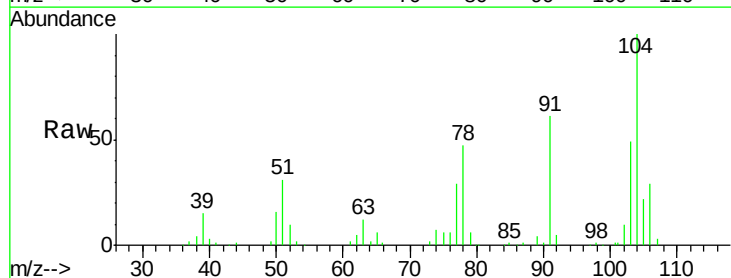
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

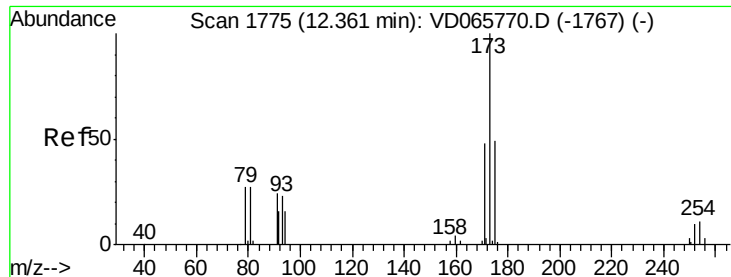
Tot Ion:106 Resp: 73002
Ion Ratio Lower Upper
106 100
91 214.2 105.3 315.8



#70
Styrene
Concen: 20.858 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion:104 Resp: 127567
Ion Ratio Lower Upper
104 100
78 49.9 38.6 58.0
103 54.7 43.9 65.9





#71

Bromoform

Concen: 19.353 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

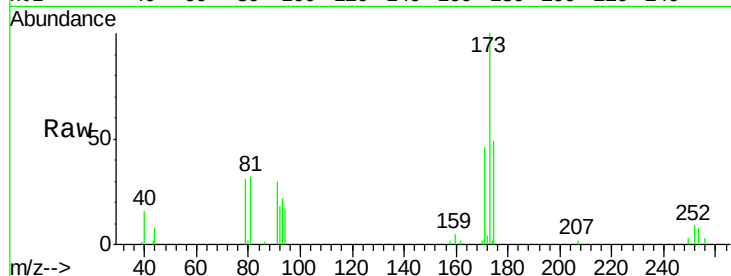
Tot Ion:173 Resp: 22621

Ion Ratio Lower Upper

173 100

175 47.2 24.8 74.4

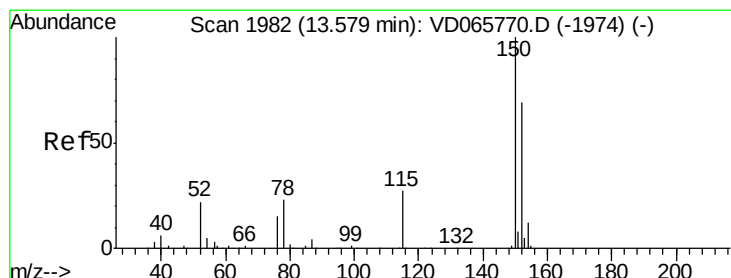
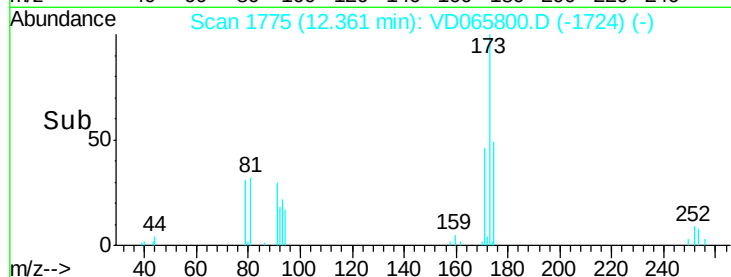
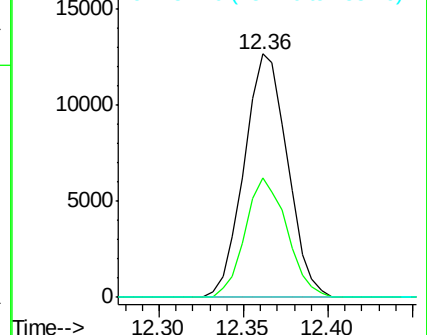
254 0.0 0.0 0.0



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: VD065800.D

Acq: 18 Jun 2020 11:37

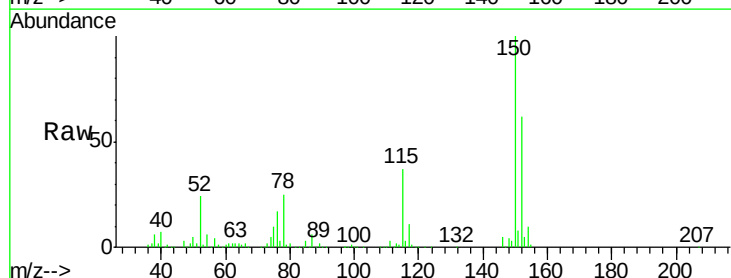
Tgt Ion:152 Resp: 146203

Ion Ratio Lower Upper

152 100

115 58.4 28.7 86.1

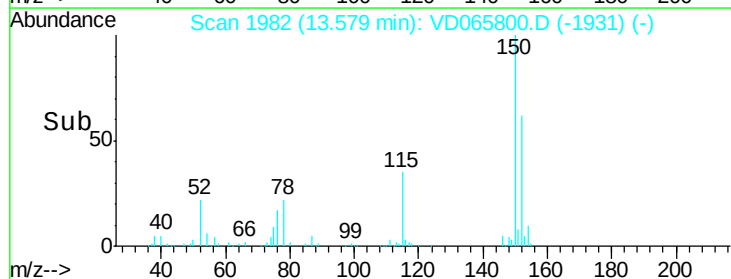
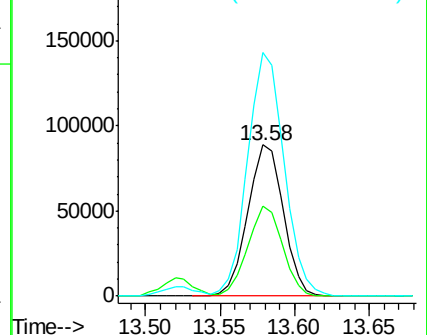
150 165.5 0.0 348.0

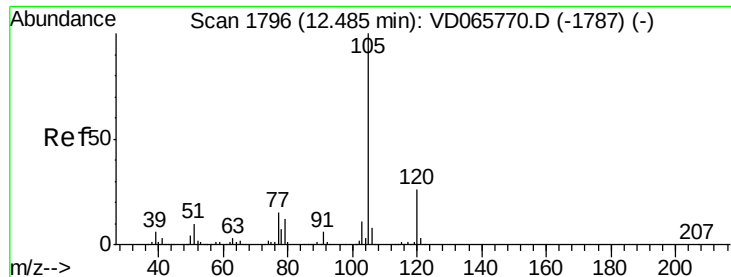


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.881 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

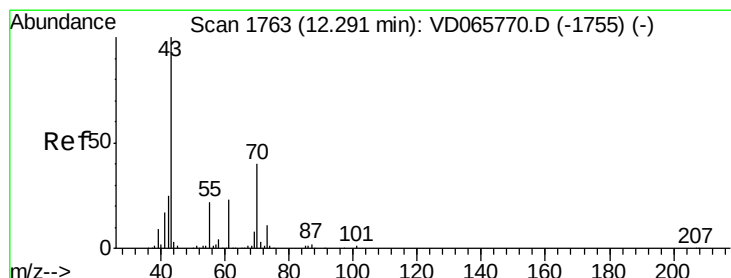
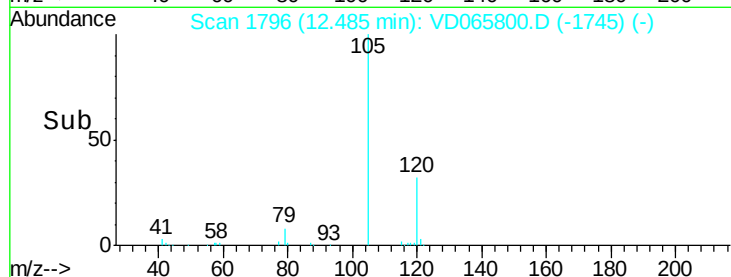
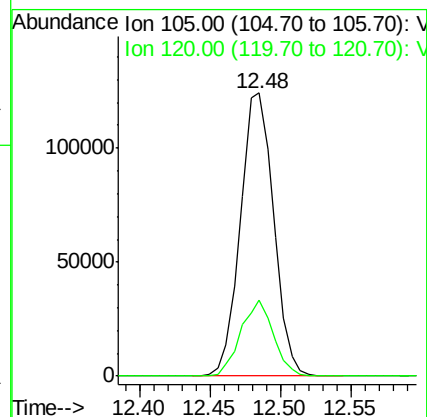
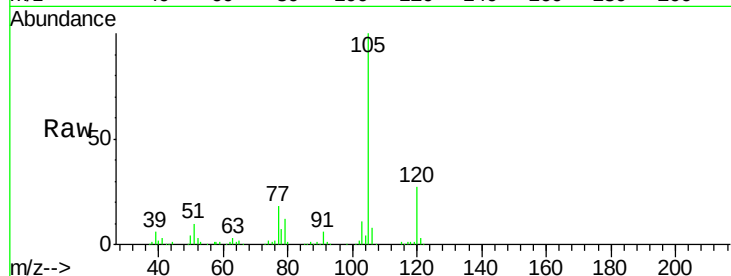
VD0618SBS01

Tot Ion:105 Resp: 204685

Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.5



#74

N-ethyl acetate

Concen: 19.363 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Tgt Ion: 43 Resp: 42227

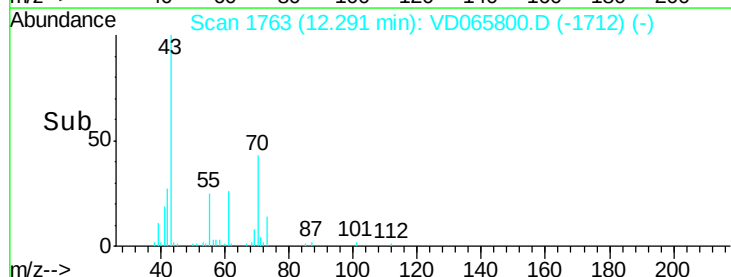
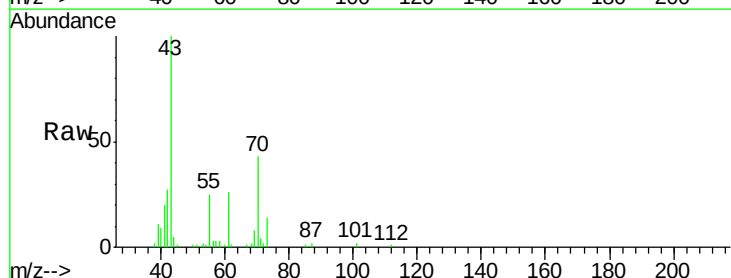
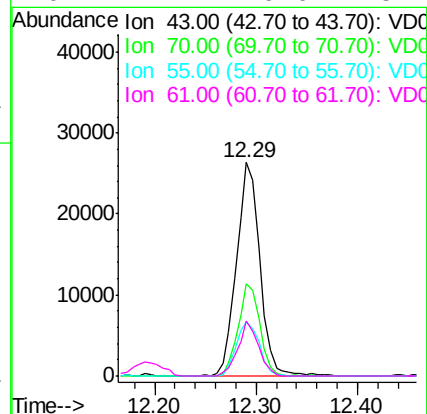
Ion Ratio Lower Upper

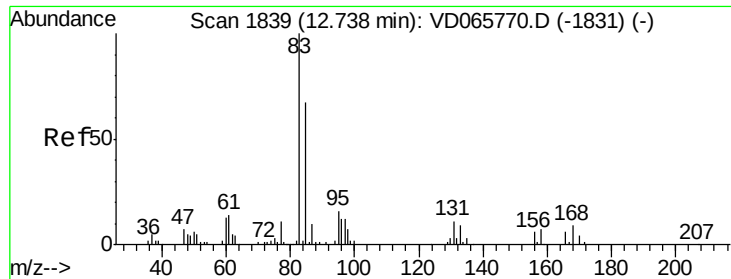
43 100

70 40.2 32.3 48.5

55 25.0 19.0 28.4

61 22.4 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.672 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

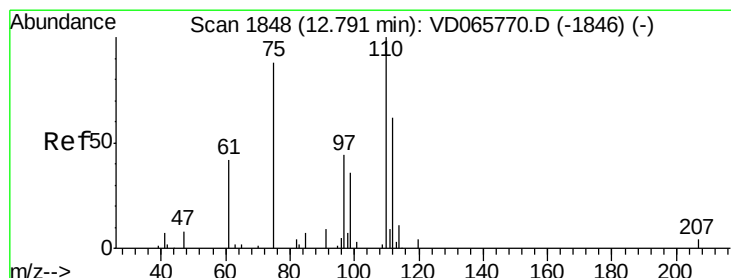
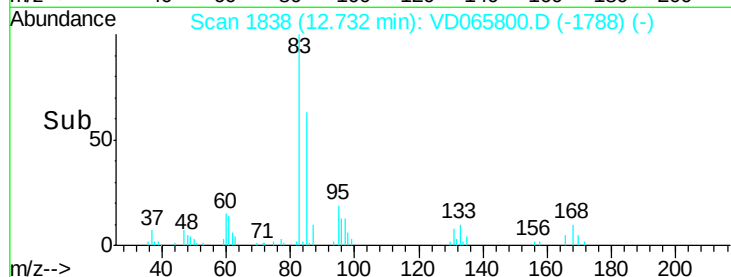
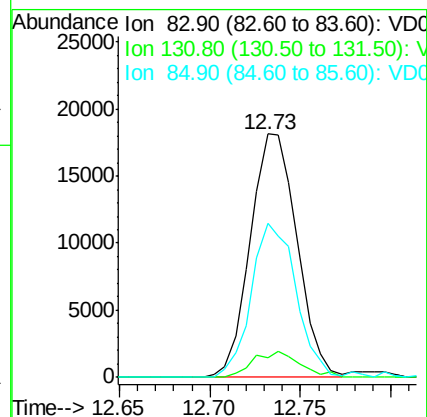
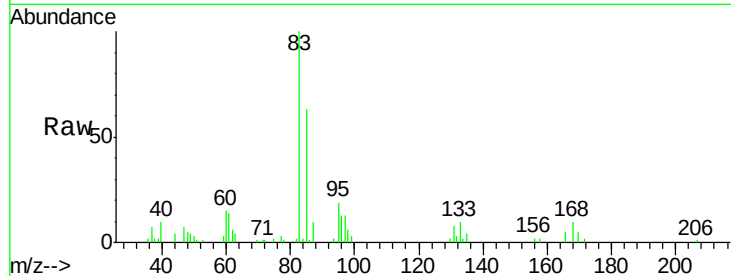
Tot Ion: 83 Resp: 32567

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.4

85 60.6 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 16.554 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065800.D

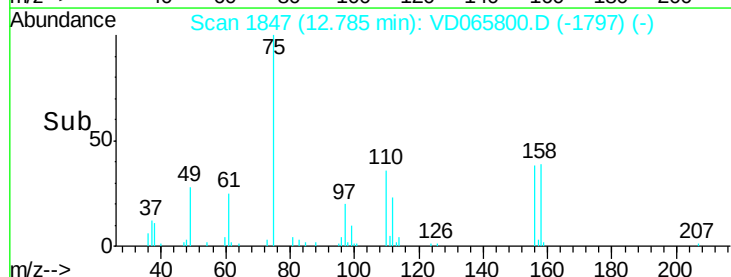
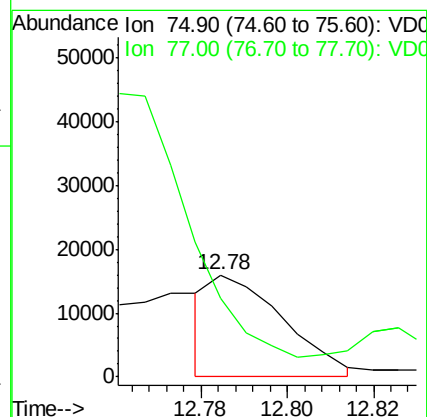
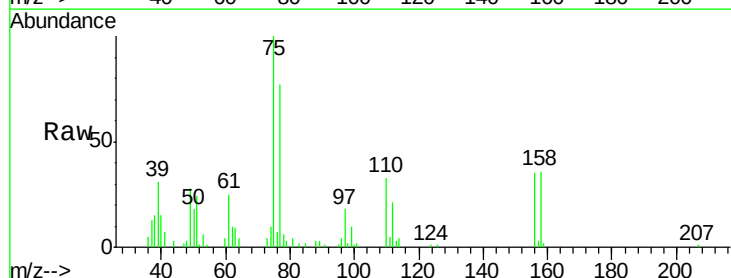
Acq: 18 Jun 2020 11:37

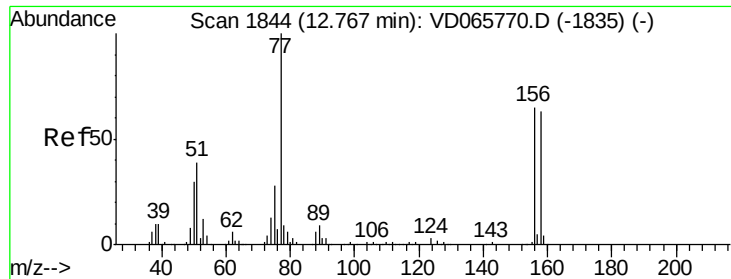
Tgt Ion: 75 Resp: 18823

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.146 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

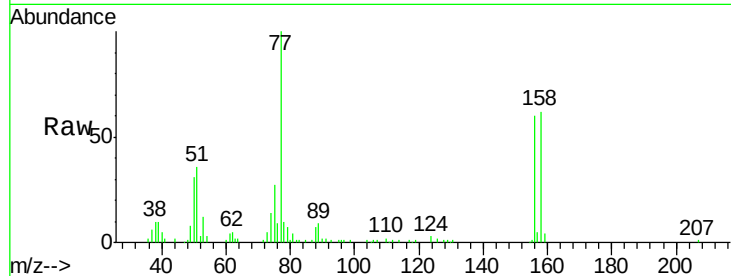
Tot Ion:156 Resp: 46724

Ion Ratio Lower Upper

156 100

77 179.6 87.3 261.8

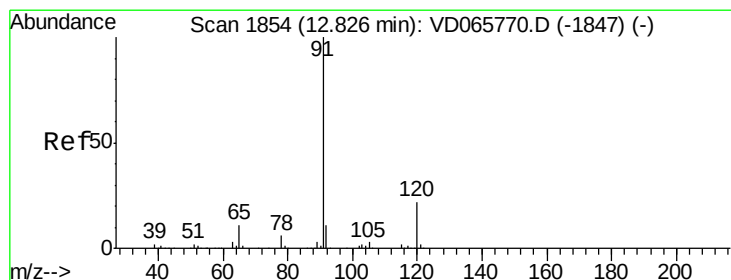
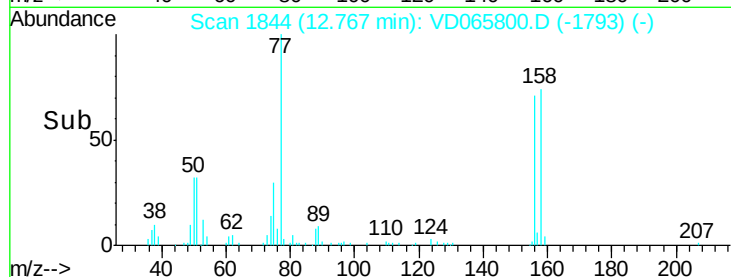
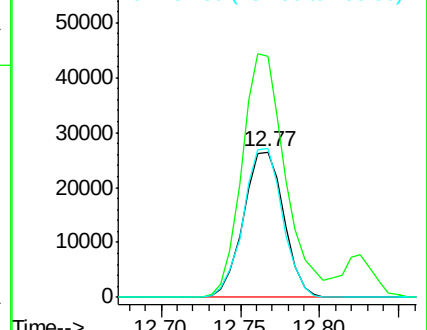
158 100.1 48.0 144.0



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: 21.050 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065800.D

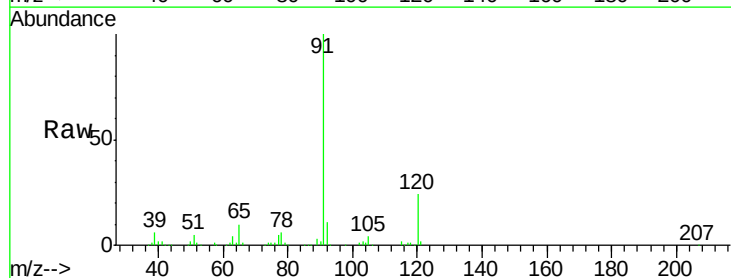
Acq: 18 Jun 2020 11:37

Tgt Ion: 91 Resp: 248371

Ion Ratio Lower Upper

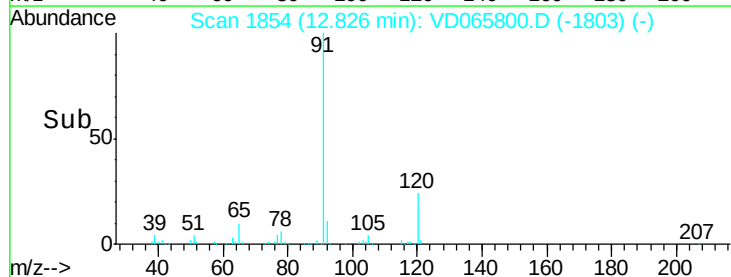
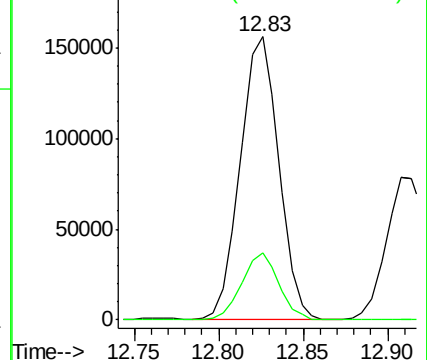
91 100

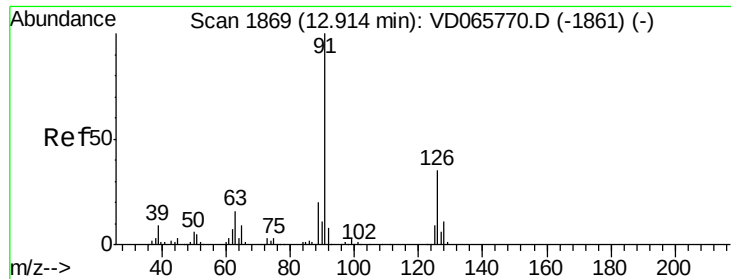
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

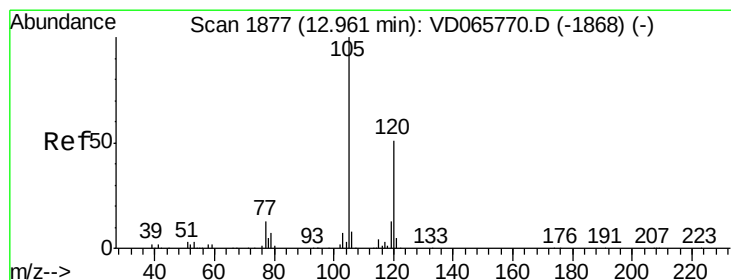
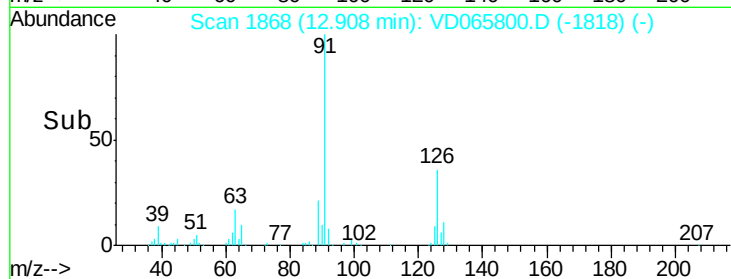
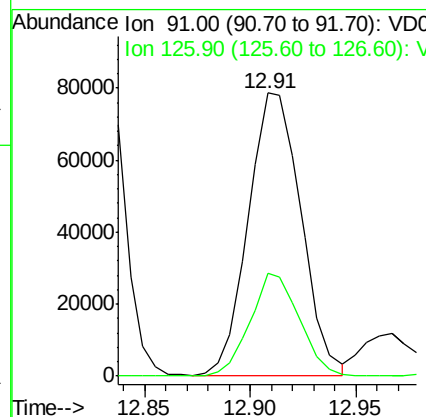
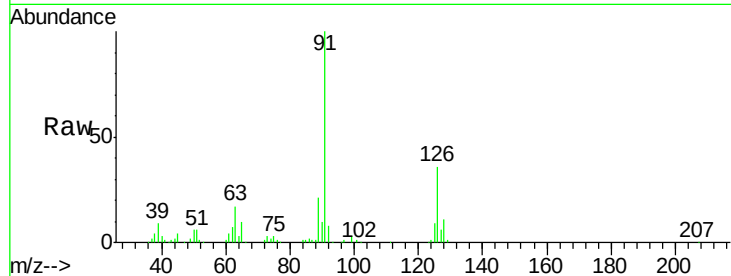




#79
 2-Chlorotoluene
 Concen: 21.140 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

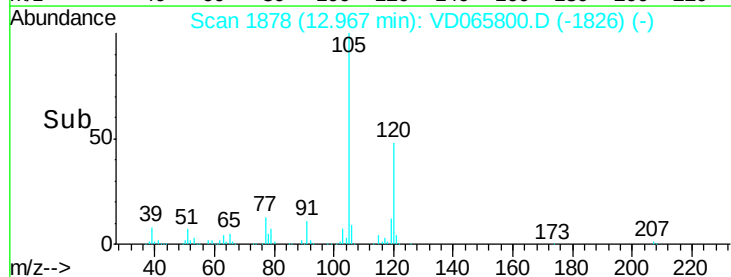
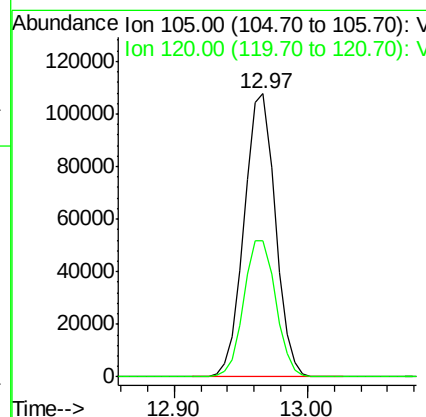
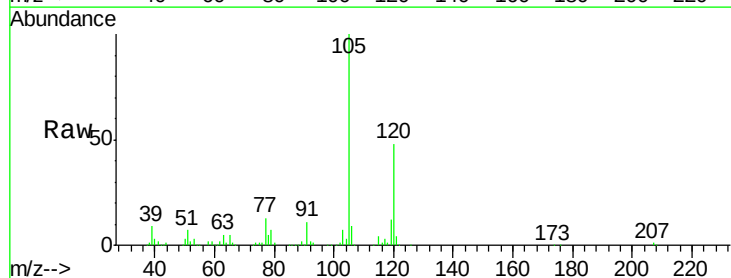
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

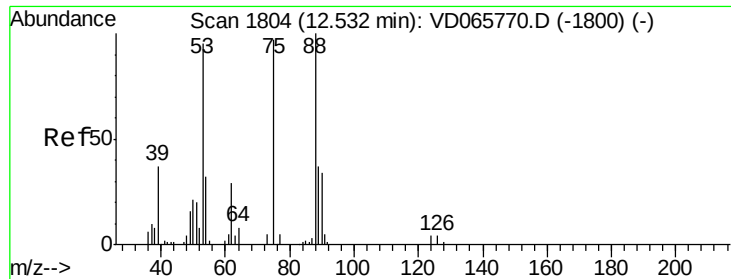
Tot Ion: 91 Resp: 136835
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.285 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion:105 Resp: 173628
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.4 76.0

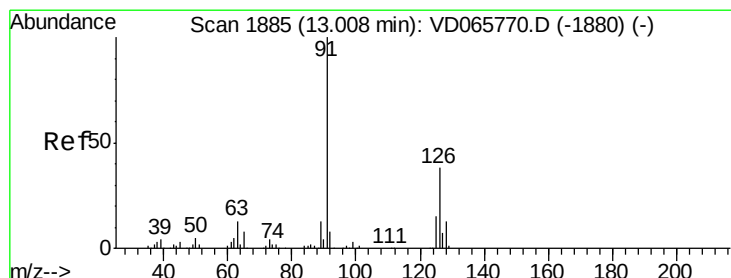
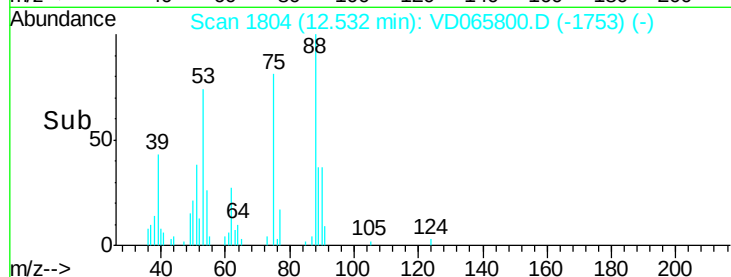
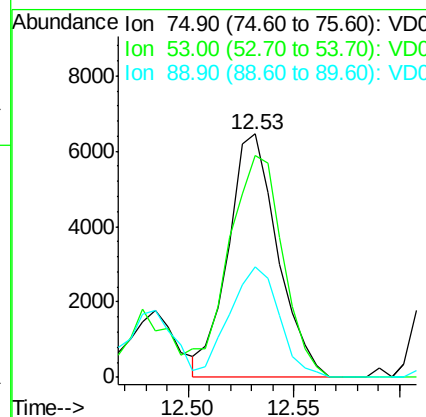
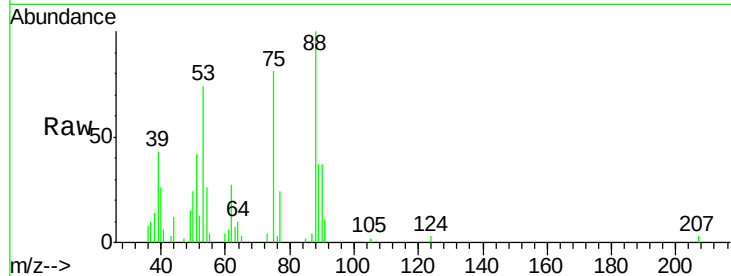




#81
trans-1,4-Dichloro-2-butene
Concen: 19.897 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

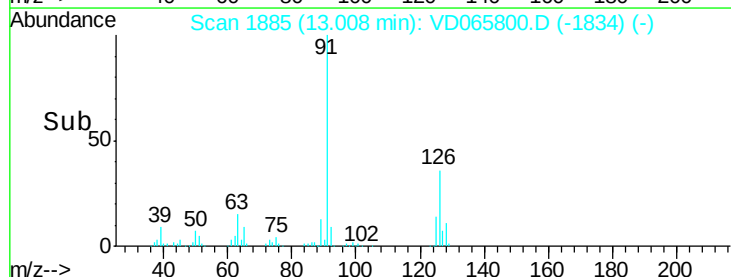
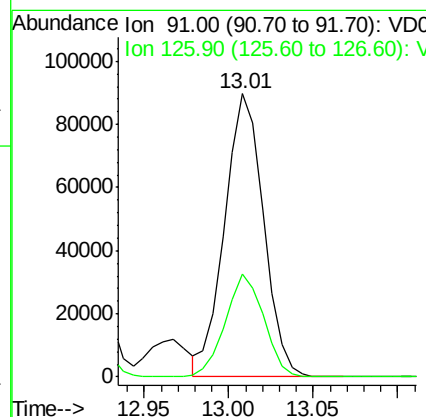
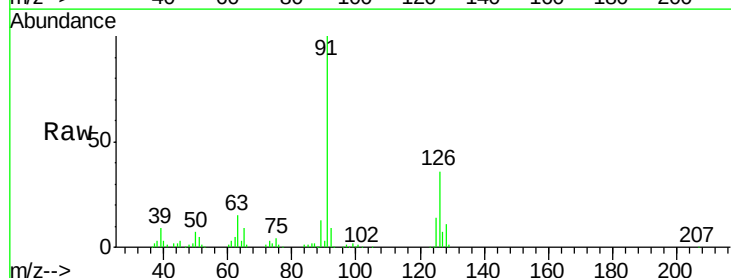
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

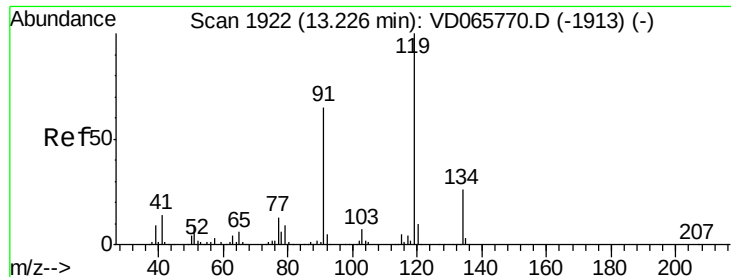
Tot Ion: 75 Resp: 10471
Ion Ratio Lower Upper
75 100
53 99.2 82.6 123.8
89 46.0 35.9 53.9



#82
4-Chlorotoluene
Concen: 20.727 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion: 91 Resp: 144004
Ion Ratio Lower Upper
91 100
126 35.9 17.6 52.8

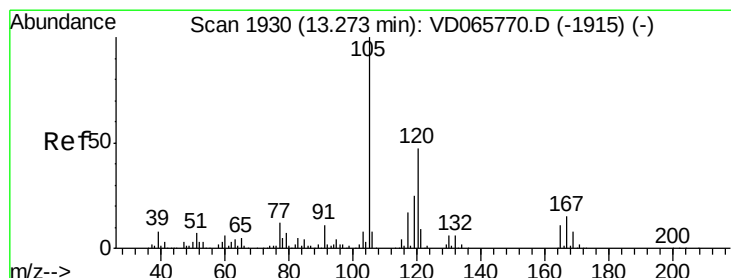
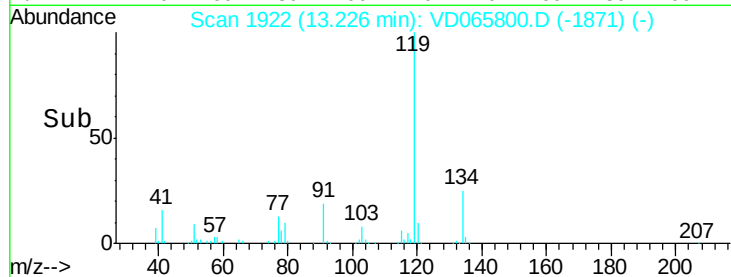
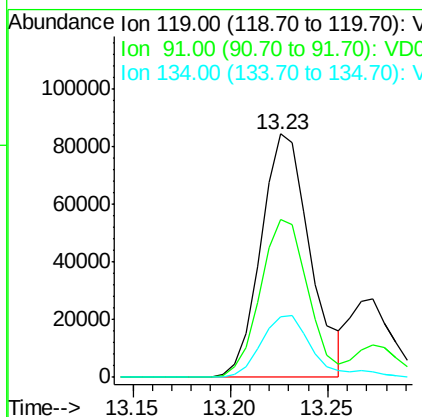
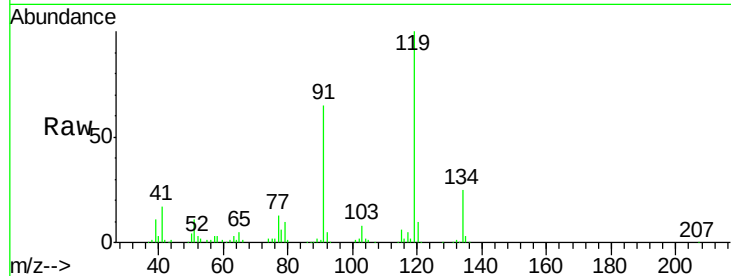




#83
 tert-Butylbenzene
 Concen: 20.757 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

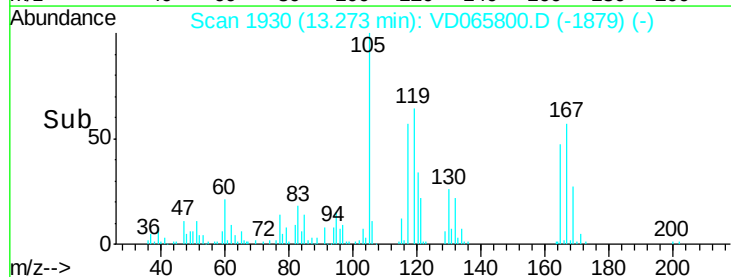
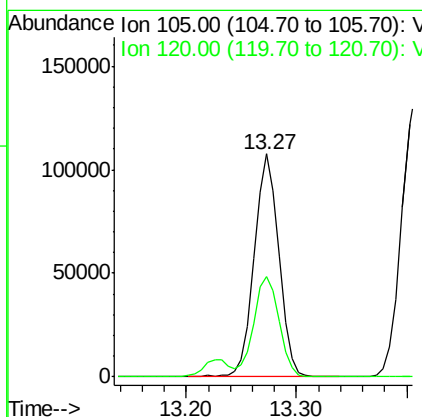
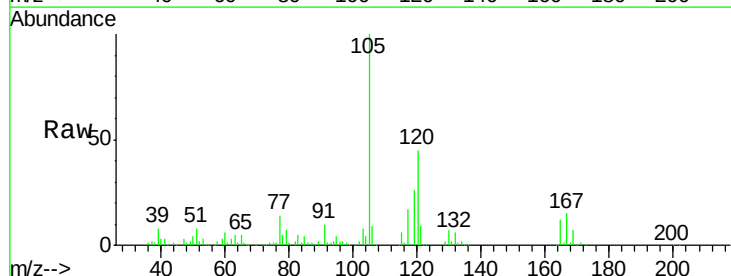
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

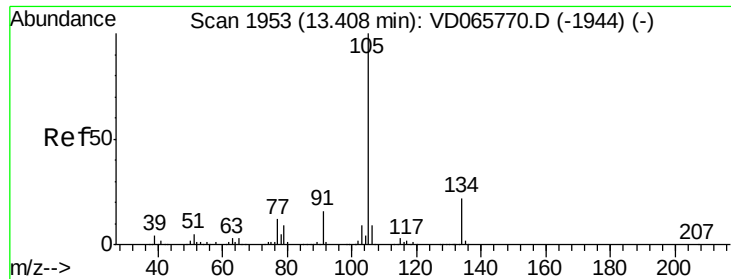
Tot Ion:119 Resp: 146919
 Ion Ratio Lower Upper
 119 100
 91 63.3 32.0 96.0
 134 27.0 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.734 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion:105 Resp: 169287
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.3 69.8





#85

sec-Butylbenzene

Concen: 21.457 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

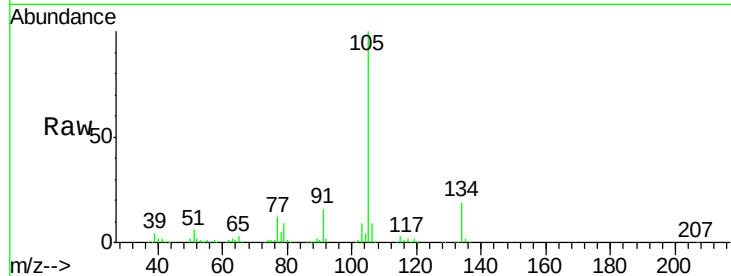
VD0618SBS01

Tot Ion:105 Resp: 211350

Ion Ratio Lower Upper

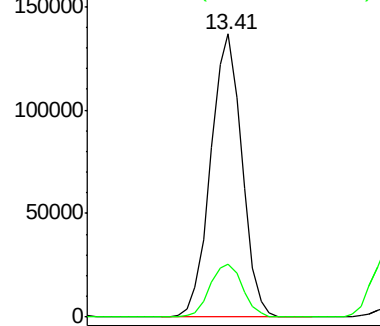
105 100

134 19.8 10.4 31.4

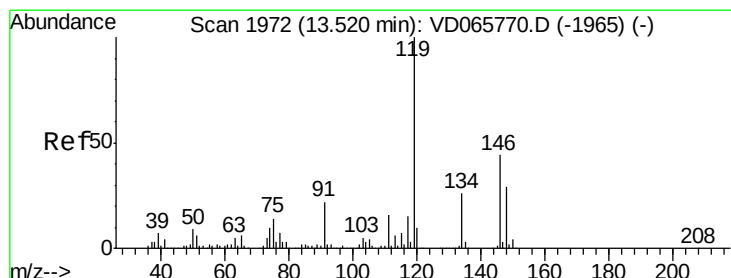
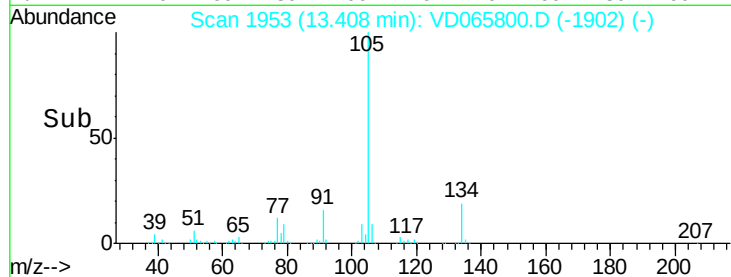


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 21.225 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

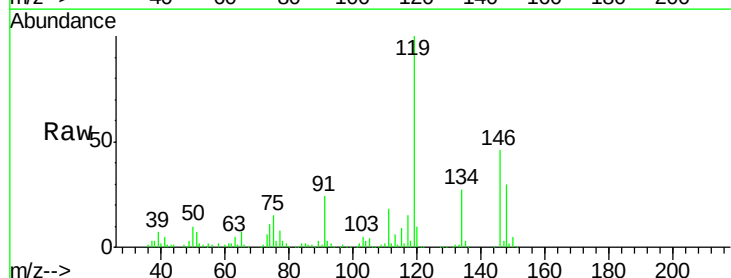
Tgt Ion:119 Resp: 191622

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

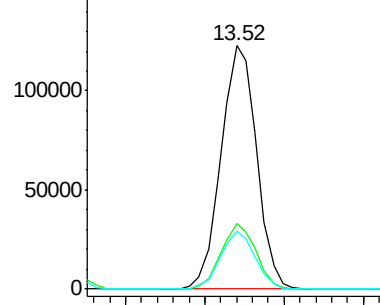
91 23.2 11.8 35.4



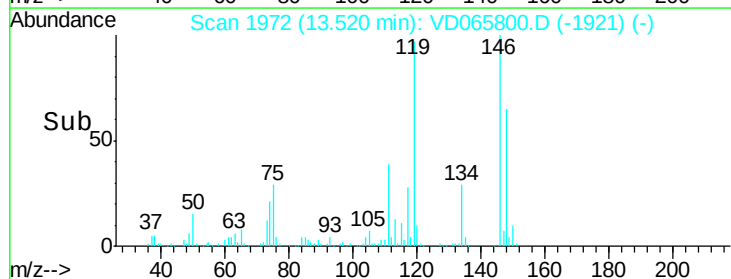
Abundance Ion 119.00 (118.70 to 119.70): V

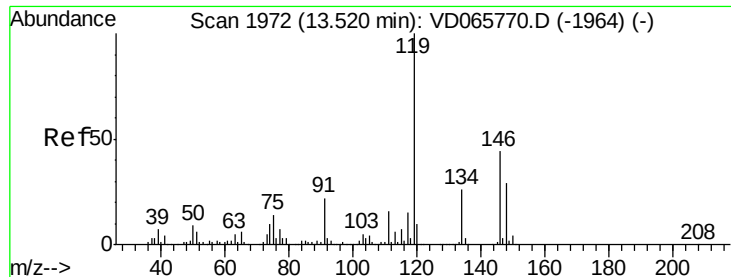
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 20.464 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

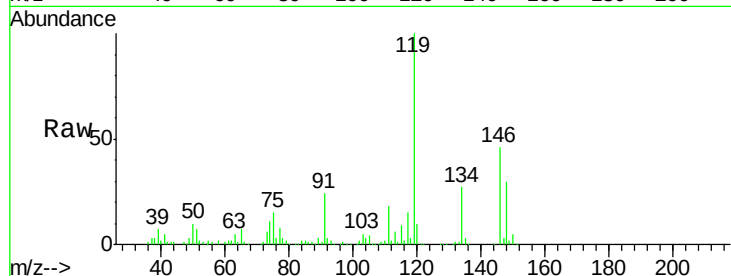
Tot Ion:146 Resp: 93583

Ion Ratio Lower Upper

146 100

111 40.0 19.2 57.6

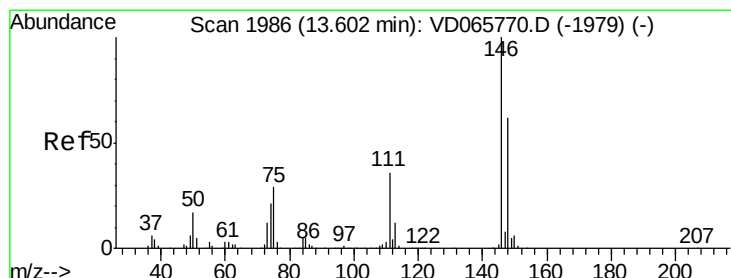
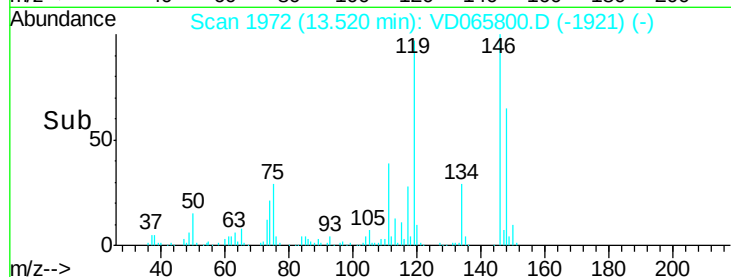
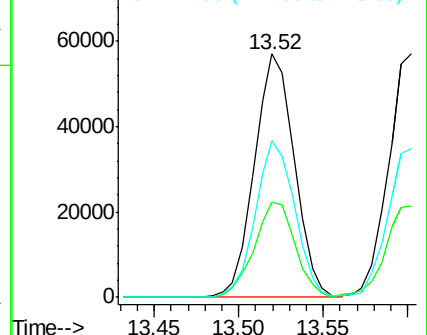
148 63.4 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.458 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

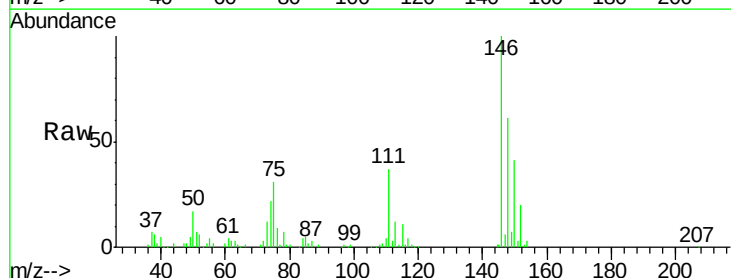
Tgt Ion:146 Resp: 93060

Ion Ratio Lower Upper

146 100

111 39.8 18.9 56.7

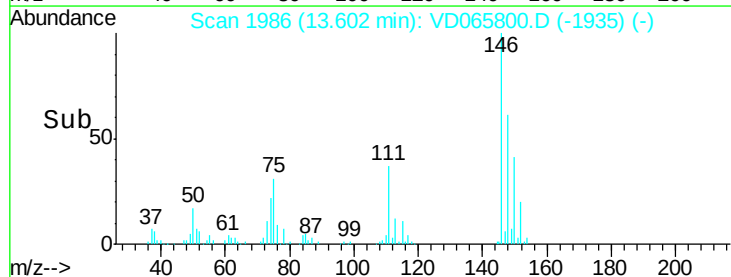
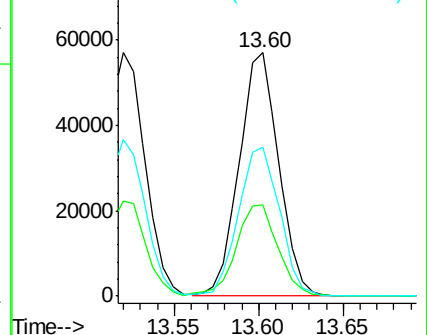
148 63.6 31.6 94.7

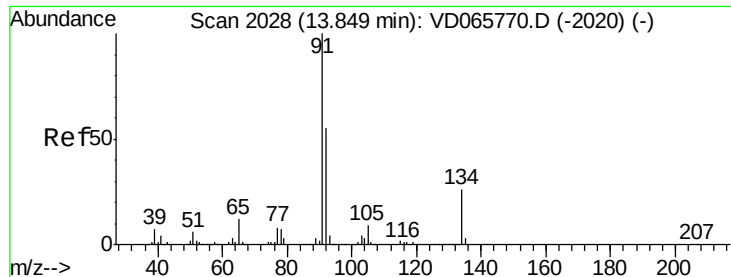


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

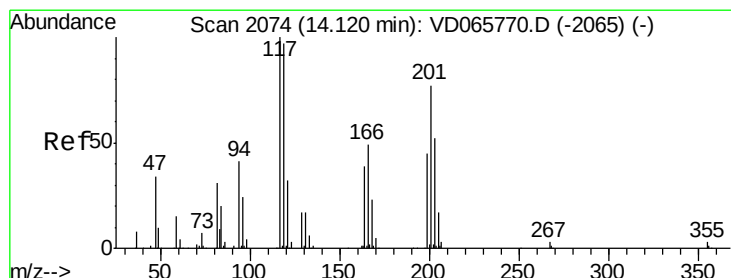
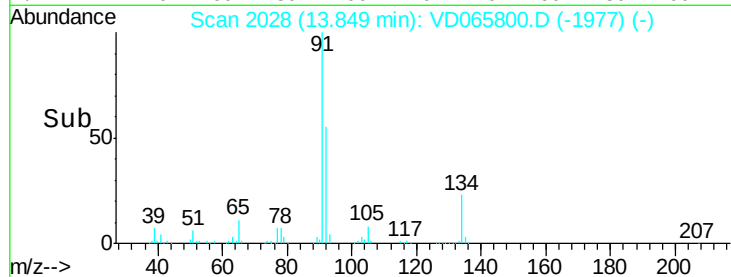
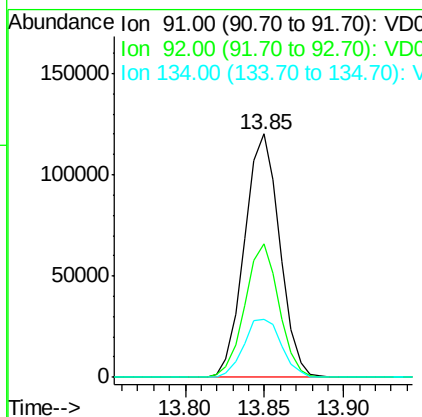
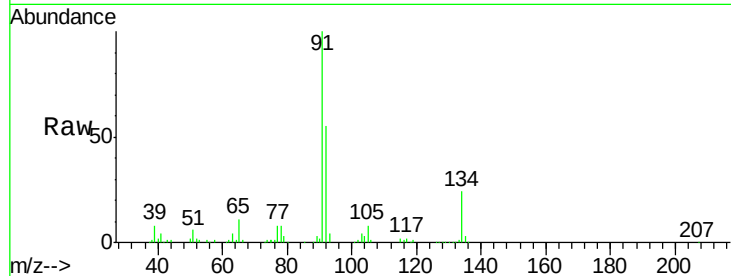




#89
n-Butylbenzene
Concen: 21.522 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

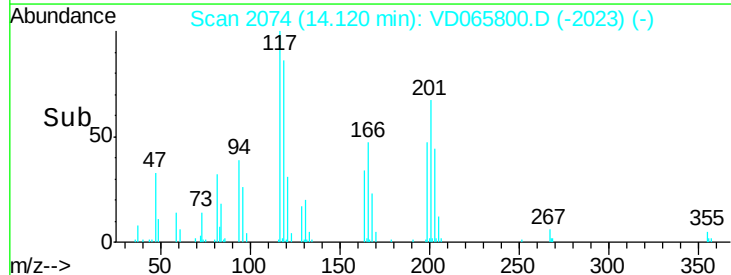
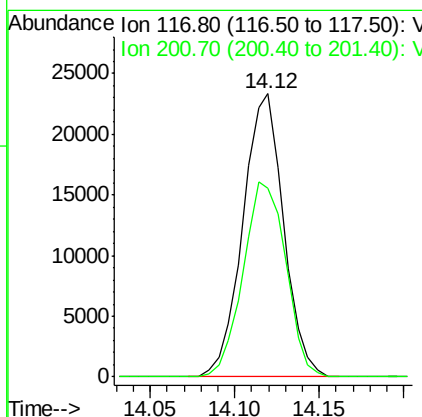
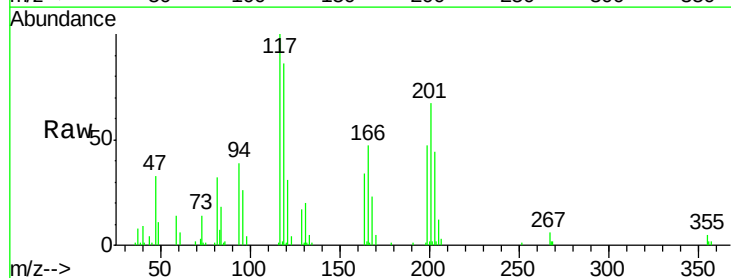
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS01

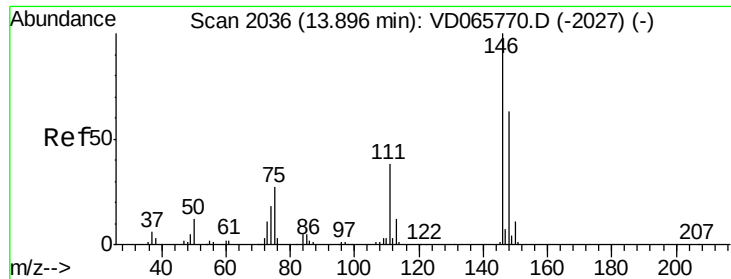
Tot Ion: 91 Resp: 185316
Ion Ratio Lower Upper
91 100
92 53.0 27.0 81.0
134 25.7 13.0 39.0



#90
Hexachloroethane
Concen: 21.655 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065800.D
Acq: 18 Jun 2020 11:37

Tgt Ion: 117 Resp: 39133
Ion Ratio Lower Upper
117 100
201 72.2 37.1 111.5

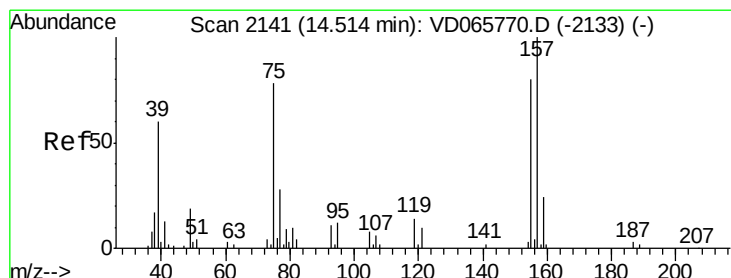
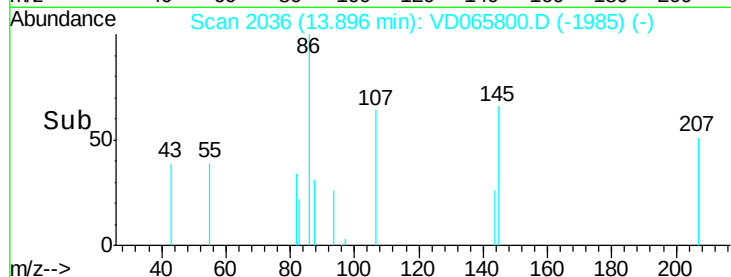
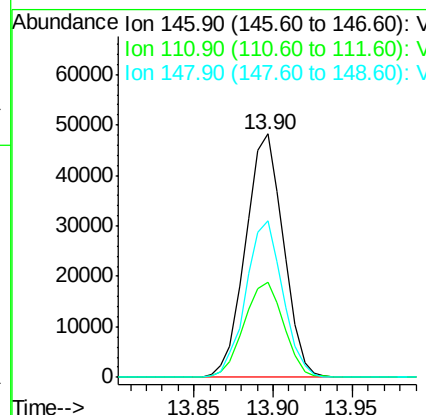
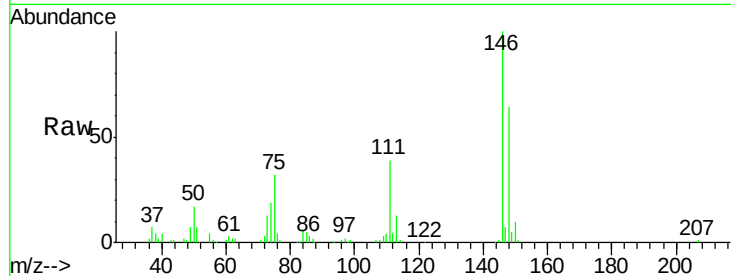




#91
 1,2-Dichlorobenzene
 Concen: 20.340 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

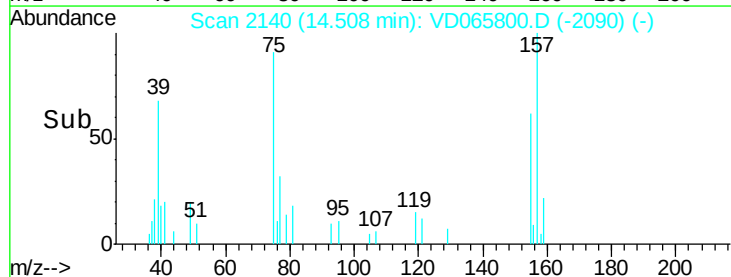
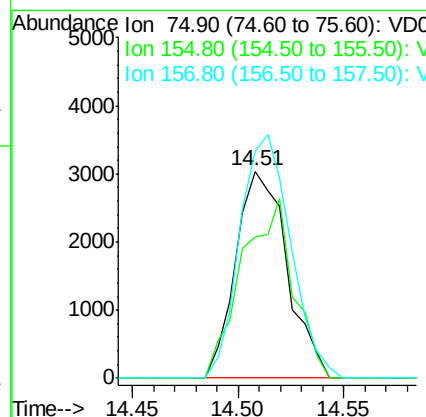
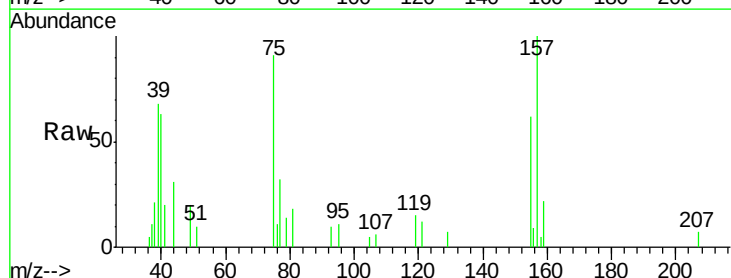
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

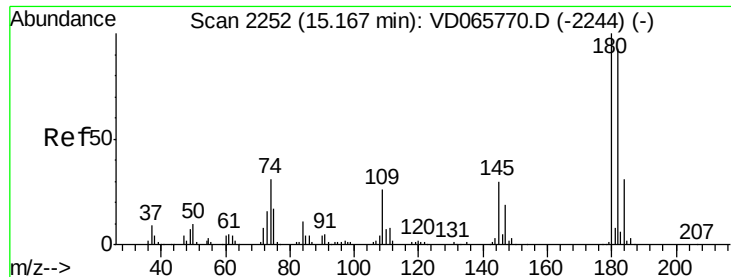
Tot Ion:146 Resp: 80049
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.8 59.4
 148 62.9 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.584 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion: 75 Resp: 5120
 Ion Ratio Lower Upper
 75 100
 155 87.0 46.3 138.9
 157 116.4 58.1 174.3

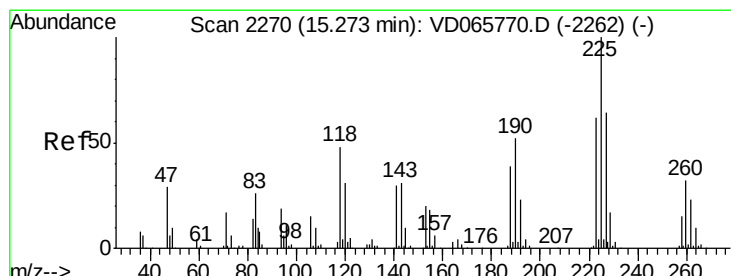
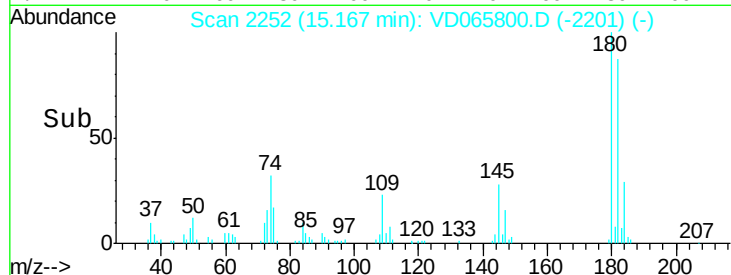
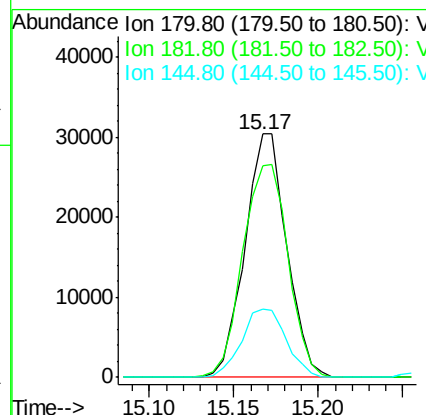
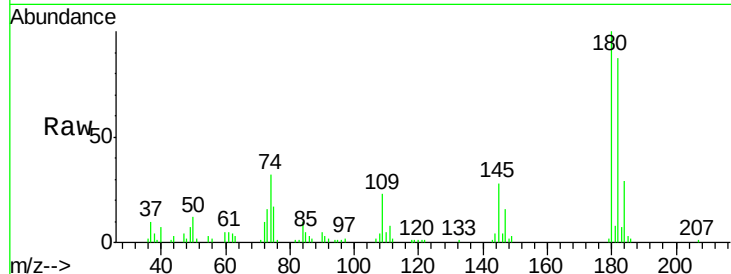




#93
 1,2,4-Trichlorobenzene
 Concen: 19.605 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

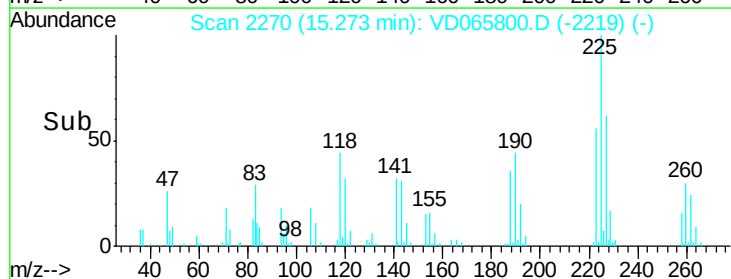
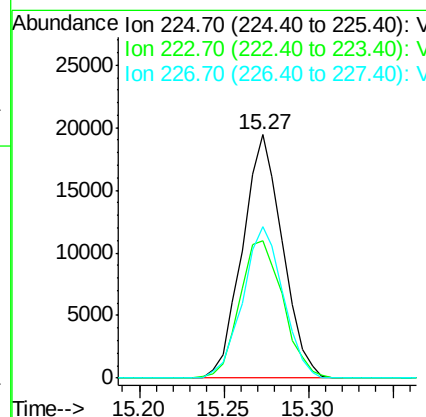
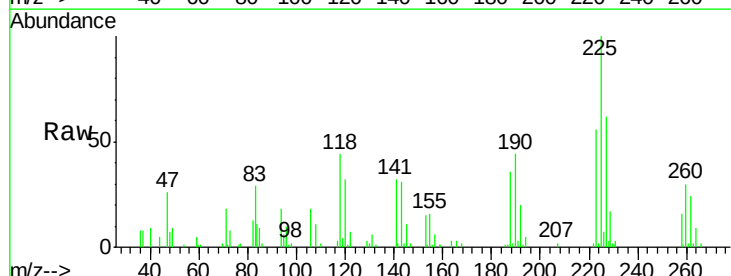
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

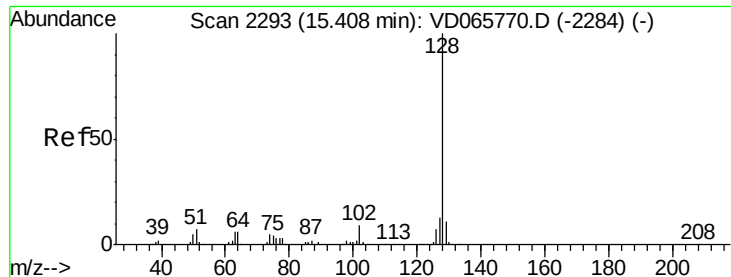
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.2
145	29.9	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 19.793 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065800.D
 Acq: 18 Jun 2020 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.9	92.7
227	62.6	31.9	95.7





#95

Naphthalene

Concen: 18.081 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS01

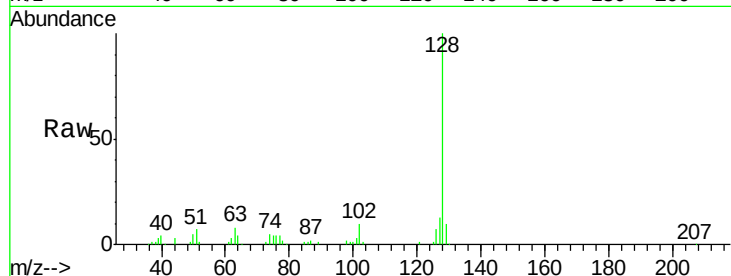
Tot Ion:128 Resp: 81954

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

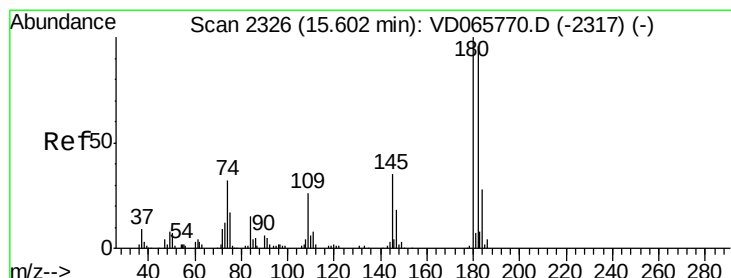
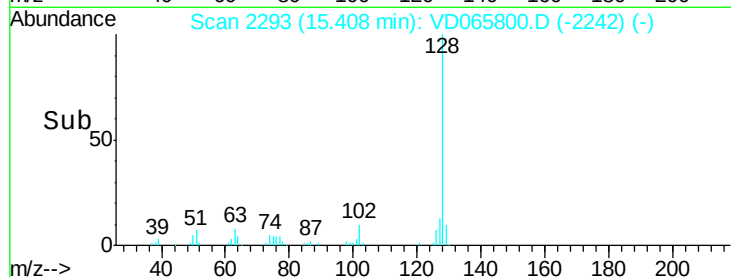
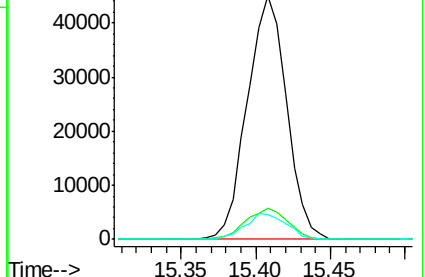
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.345 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD065800.D

Acq: 18 Jun 2020 11:37

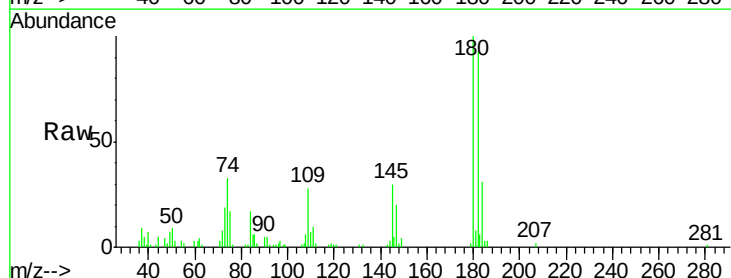
Tgt Ion:180 Resp: 44583

Ion Ratio Lower Upper

180 100

182 94.5 47.0 141.2

145 33.0 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

