

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065902.D
 Acq On : 01 Jul 2020 13:05
 Operator : VA/SY
 Sample : VD0701SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

Quant Time: Jul 02 04:40:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	158828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	268377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	238240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	109990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	81709	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.91	113	78058	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	10.34	98	290771	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
62) 4-Bromofluorobenzene	12.64	95	98141	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	36814	24.240	ug/l	98
3) Chloromethane	2.21	50	48631	23.041	ug/l	92
4) Vinyl Chloride	2.35	62	49964	21.340	ug/l	97
5) Bromomethane	2.76	94	31585	20.625	ug/l	97
6) Chloroethane	2.92	64	29881	20.239	ug/l	100
7) Trichlorofluoromethane	3.27	101	69256	23.466	ug/l	92
8) Diethyl Ether	3.71	74	16041	20.674	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	36652	22.037	ug/l	98
10) Methyl Iodide	4.30	142	33697	20.564	ug/l	98
11) Tert butyl alcohol	5.22	59	12630	148.464	ug/l #	82
12) 1,1-Dichloroethene	4.07	96	33744	21.767	ug/l #	88
13) Acrolein	3.93	56	10885	90.769	ug/l	98
14) Allyl chloride	4.72	41	54175	22.154	ug/l	97
15) Acrylonitrile	5.42	53	35181	106.663	ug/l	99
16) Acetone	4.16	43	34176	105.713	ug/l	93
17) Carbon Disulfide	4.40	76	114554	21.872	ug/l	96
18) Methyl Acetate	4.71	43	14704	20.512	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	72029	21.189	ug/l	95
20) Methylene Chloride	4.97	84	46850	25.079	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	38600	21.745	ug/l	95
22) Diisopropyl ether	6.36	45	109415	21.454	ug/l #	98
23) Vinyl Acetate	6.31	43	313941	106.506	ug/l	99
24) 1,1-Dichloroethane	6.26	63	67776	22.276	ug/l	98
25) 2-Butanone	7.21	43	45895	106.377	ug/l	92
26) 2,2-Dichloropropane	7.20	77	62501	22.384	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	40432	20.585	ug/l	97
28) Bromochloromethane	7.55	49	22939	20.063	ug/l	99
29) Tetrahydrofuran	7.56	42	27890	101.767	ug/l	95
30) Chloroform	7.71	83	68875	21.142	ug/l	98
31) Cyclohexane	7.99	56	63891	21.615	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	66489	22.242	ug/l	98
36) 1,1-Dichloropropene	8.11	75	54431	20.799	ug/l	98
37) Ethyl Acetate	7.30	43	21492	21.478	ug/l #	98
38) Carbon Tetrachloride	8.10	117	59524	21.063	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	64122	20.622	ug/l	95
40) Benzene	8.35	78	146889	20.231	ug/l	95
41) Methacrylonitrile	7.55	41	16854	30.700	ug/l #	42
42) 1,2-Dichloroethane	8.43	62	45110	21.061	ug/l	99
43) Isopropyl Acetate	8.45	43	38384	19.796	ug/l	100
44) Trichloroethene	9.11	130	40187	20.432	ug/l	100
45) 1,2-Dichloropropane	9.39	63	36299	20.871	ug/l	100
46) Dibromomethane	9.48	93	19978	20.722	ug/l	95
47) Bromodichloromethane	9.66	83	54044	21.096	ug/l #	91
48) Methyl methacrylate	9.46	41	20297	21.355	ug/l	89
49) 1,4-Dioxane	9.46	88	3877	393.127	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	102069	102.122	ug/l	99
52) Toluene	10.41	92	92664	19.630	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	49084	20.072	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	58919	20.519	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	25312	19.812	ug/l	94
56) Ethyl methacrylate	10.66	69	30246	19.066	ug/l	96
57) 1,3-Dichloropropane	10.95	76	45188	20.163	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	69476	99.913	ug/l	98
59) 2-Hexanone	10.98	43	68711	98.076	ug/l	96
60) Dibromochloromethane	11.14	129	33145	18.993	ug/l	99
61) 1,2-Dibromoethane	11.25	107	24334	19.460	ug/l	99
64) Tetrachloroethene	10.88	164	32057	20.606	ug/l	95
65) Chlorobenzene	11.67	112	97137	20.555	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	35850	20.364	ug/l	97
67) Ethyl Benzene	11.75	91	176045	20.058	ug/l	99
68) m/p-Xylenes	11.86	106	136208	40.761	ug/l	99
69) o-Xylene	12.18	106	58922	19.622	ug/l	99
70) Styrene	12.20	104	107213	20.419	ug/l	98
71) Bromoform	12.36	173	18809	20.119	ug/l #	99
73) Isopropylbenzene	12.48	105	168475	21.386	ug/l	99
74) N-amyl acetate	12.30	43	36544	20.996	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	26964	20.794	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	36458	37.881	ug/l	32
77) Bromobenzene	12.77	156	37912	21.405	ug/l	98
78) n-propylbenzene	12.83	91	205961	21.701	ug/l	100
79) 2-Chlorotoluene	12.91	91	113386	21.690	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	139897	21.243	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	8586	19.166	ug/l	92
82) 4-Chlorotoluene	13.01	91	120644	21.596	ug/l	99
83) tert-Butylbenzene	13.23	119	122388	22.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	140635	21.679	ug/l	100
85) sec-Butylbenzene	13.41	105	168810	21.374	ug/l	98
86) p-Isopropyltoluene	13.52	119	155141	21.626	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	73324	21.308	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	73790	21.314	ug/l	99
89) n-Butylbenzene	13.85	91	148133	21.176	ug/l	99
90) Hexachloroethane	14.11	117	32509	22.206	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	61807	20.502	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4642	23.110	ug/l	98

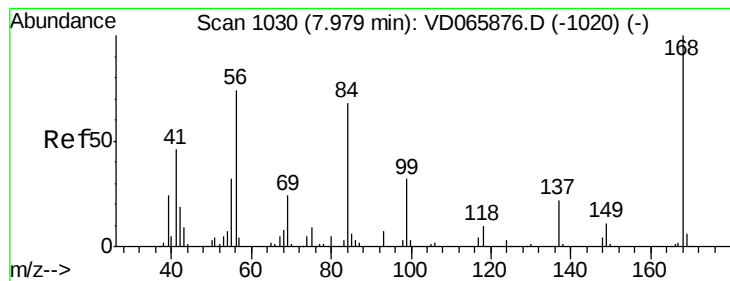
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070120\
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QLast Update : Fri Jun 26 19:16:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	39465	20.650	ug/l	98
94) Hexachlorobutadiene	15.27	225	23876	21.903	ug/l	97
95) Naphthalene	15.40	128	70659	20.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	34956	21.919	ug/l	97

(#) = 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. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

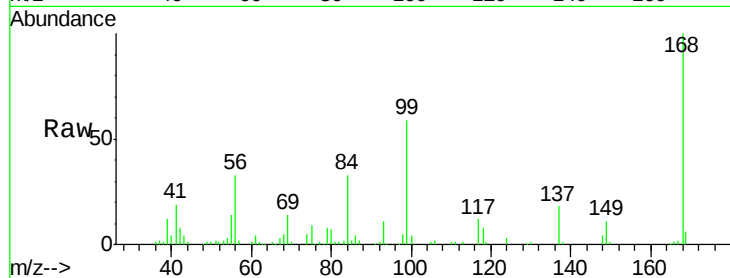
VD0701SBS01

Tot Ion:168 Resp: 158828

Ion Ratio Lower Upper

168 100

99 59.0 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

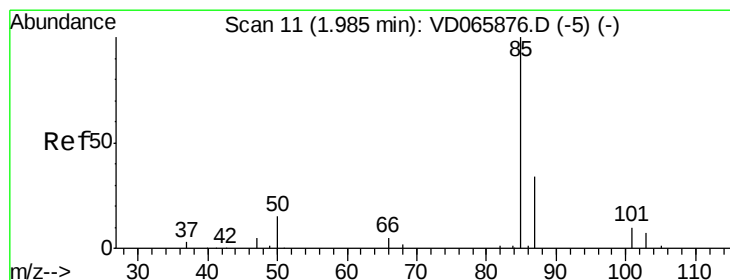
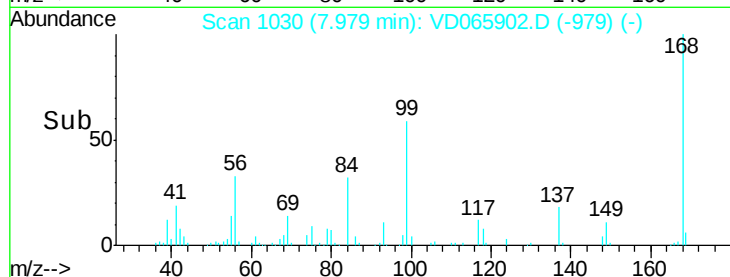
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.240 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065902.D

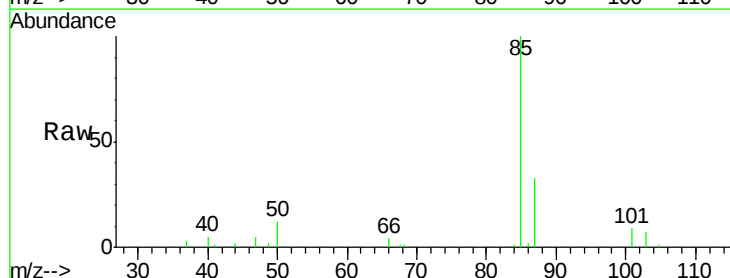
Acq: 01 Jul 2020 13:05

Tgt Ion: 85 Resp: 36814

Ion Ratio Lower Upper

85 100

87 33.1 17.3 51.7



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

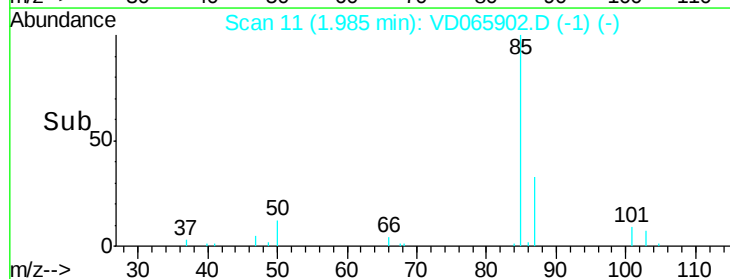
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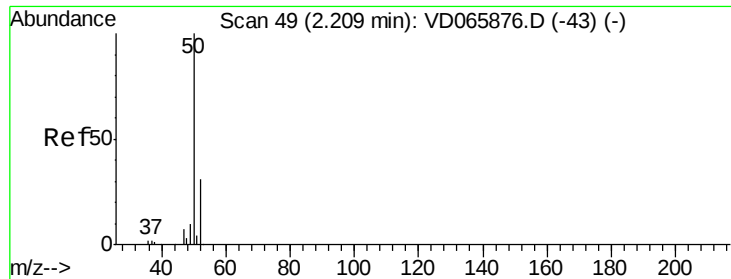
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 23.041 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

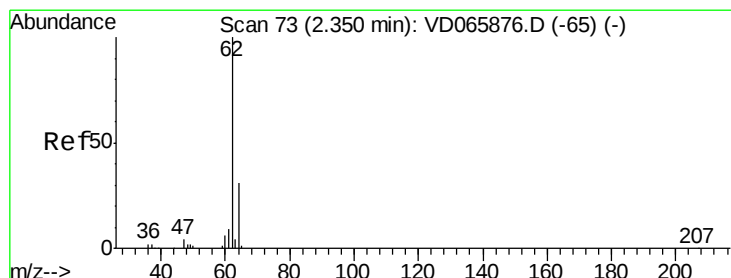
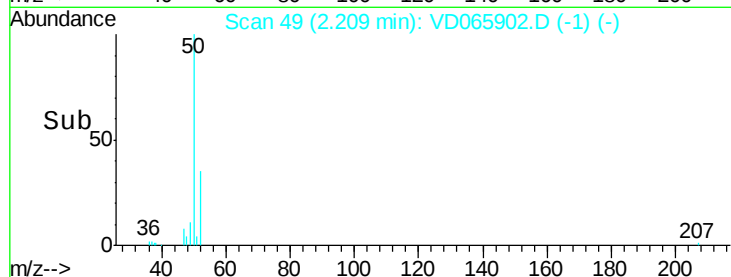
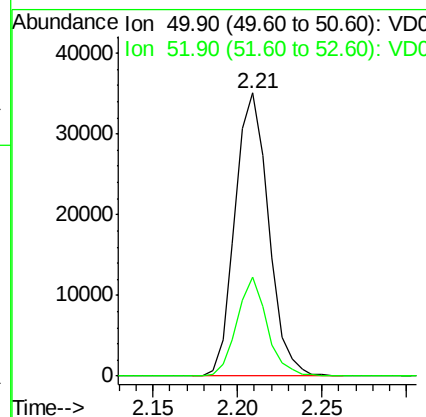
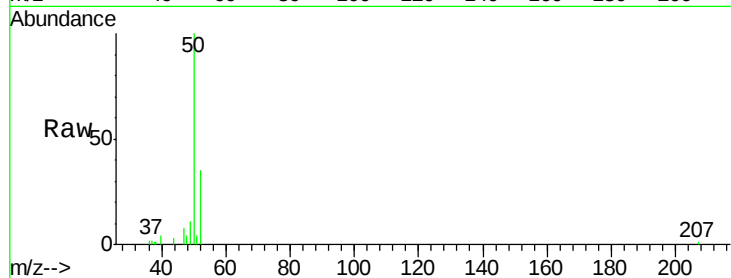
VD0701SBS01

Tot Ion: 50 Resp: 48631

Ion Ratio Lower Upper

50 100

52 35.1 24.7 37.1



#4

Vinyl Chloride

Concen: 21.340 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065902.D

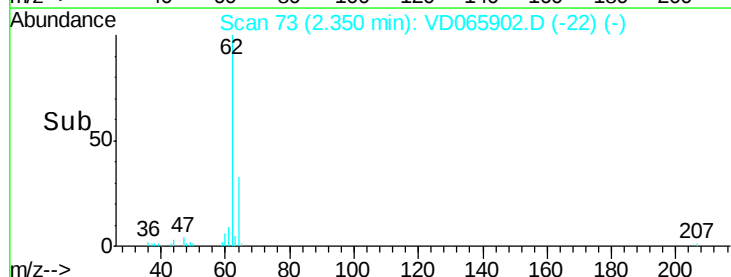
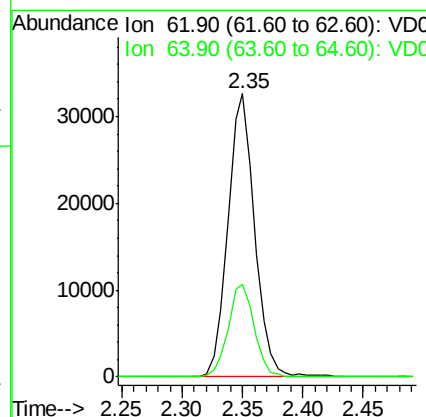
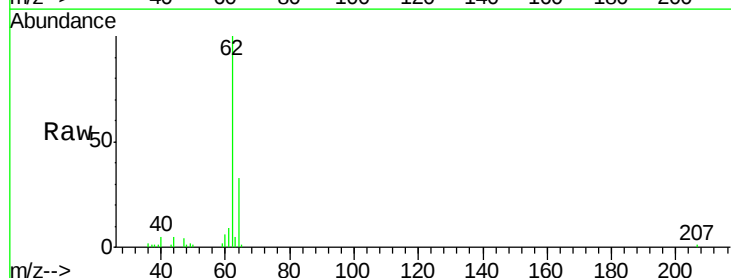
Acq: 01 Jul 2020 13:05

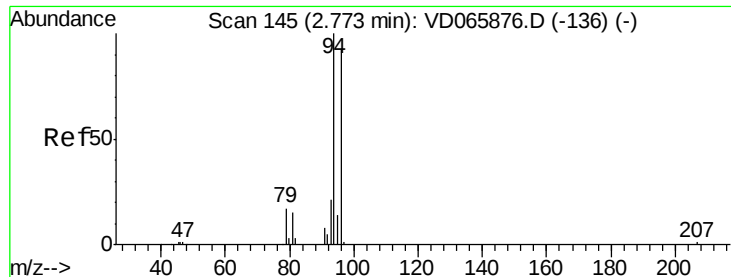
Tgt Ion: 62 Resp: 49964

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.4





#5

Bromomethane

Concen: 20.625 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

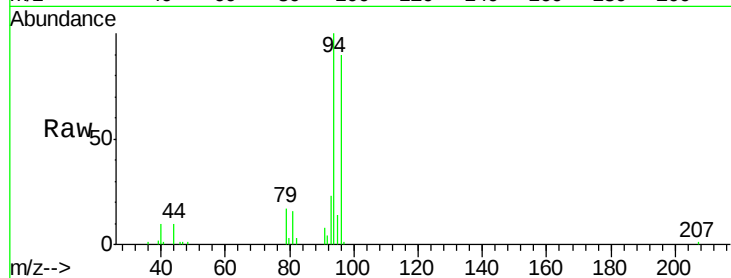
VD0701SBS01

Tot Ion: 94 Resp: 31585

Ion Ratio Lower Upper

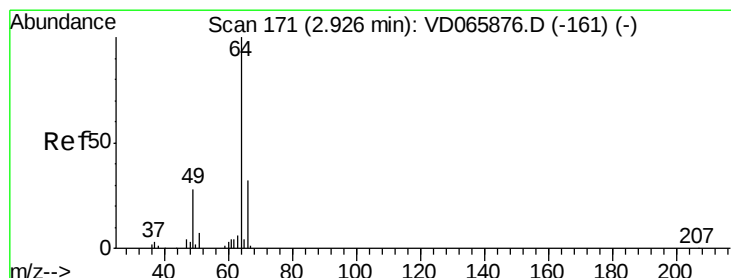
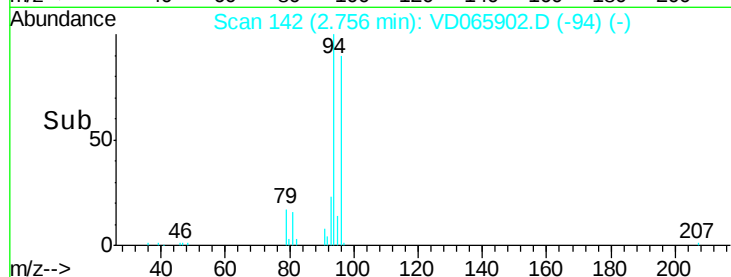
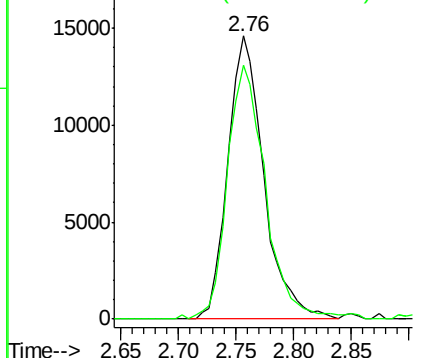
94 100

96 89.9 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.239 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065902.D

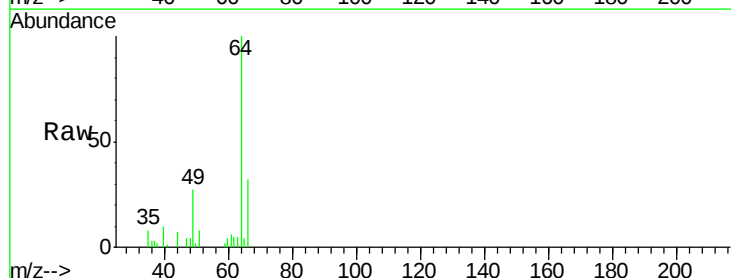
Acq: 01 Jul 2020 13:05

Tgt Ion: 64 Resp: 29881

Ion Ratio Lower Upper

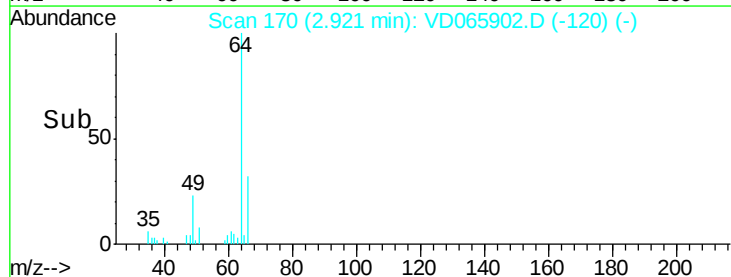
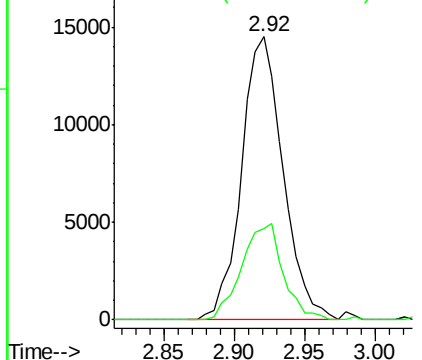
64 100

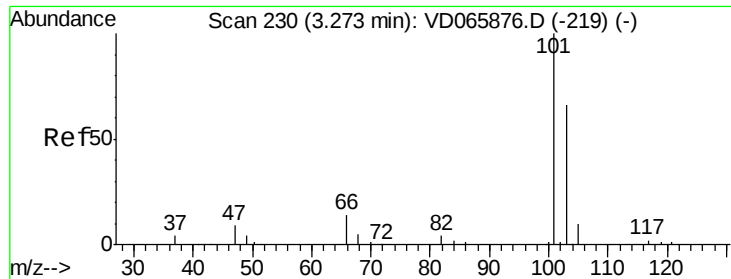
66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



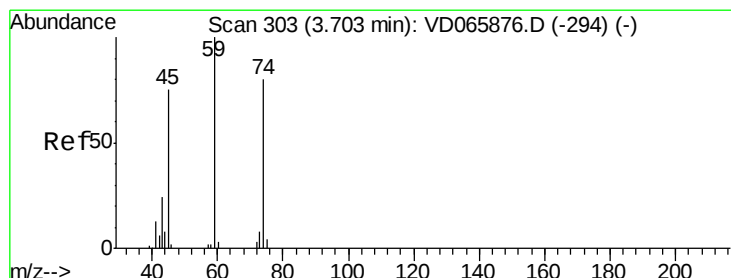
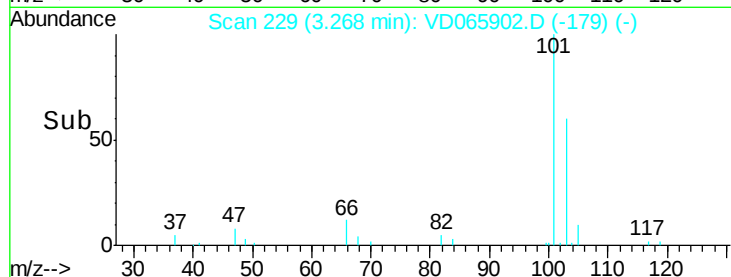
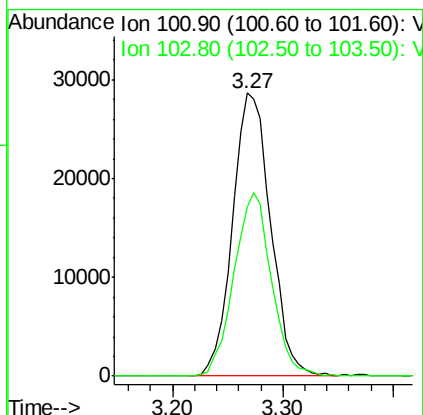
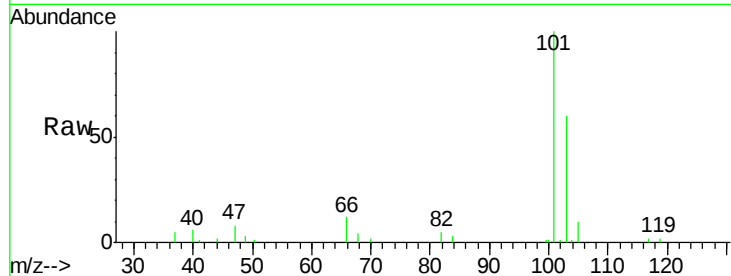


#7

Trichlorofluoromethane
 Concen: 23.466 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

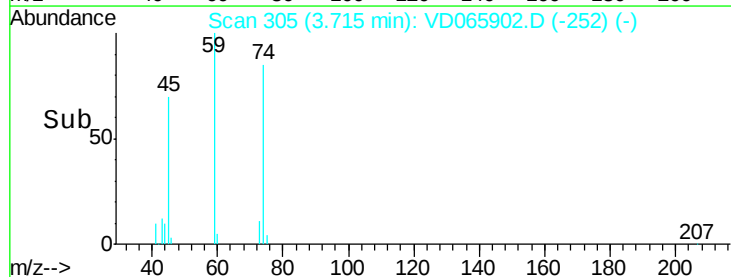
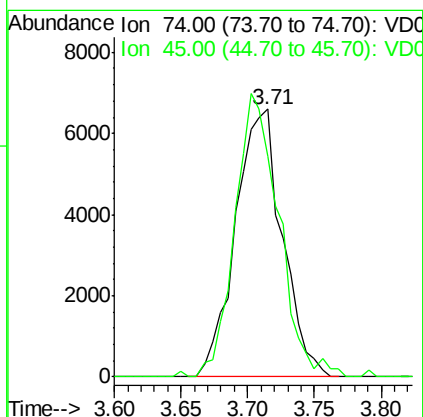
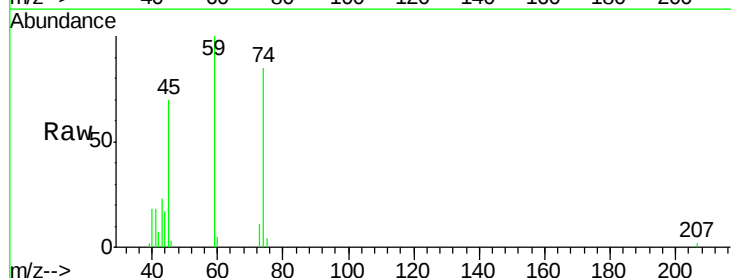
Tot Ion:101 Resp: 69256
 Ion Ratio Lower Upper
 101 100
 103 59.7 52.9 79.3

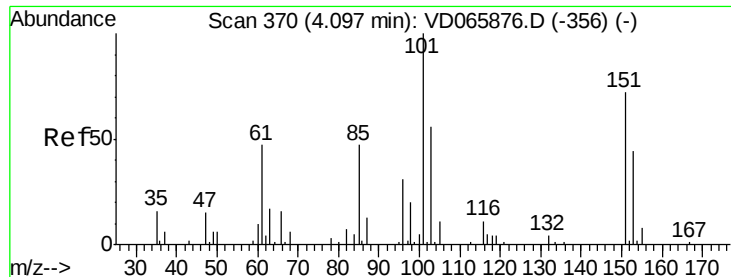


#8

Diethyl Ether
 Concen: 20.674 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

Tgt Ion: 74 Resp: 16041
 Ion Ratio Lower Upper
 74 100
 45 99.4 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.037 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

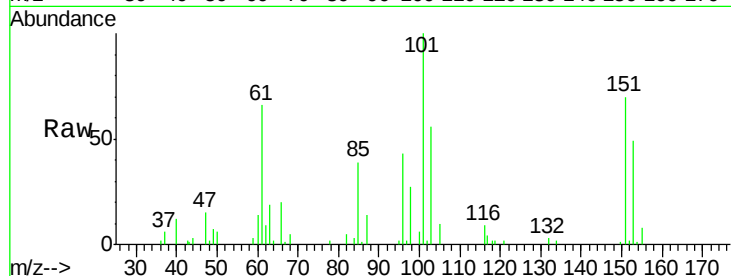
Tot Ion:101 Resp: 36652

Ion Ratio Lower Upper

101 100

85 46.0 38.6 58.0

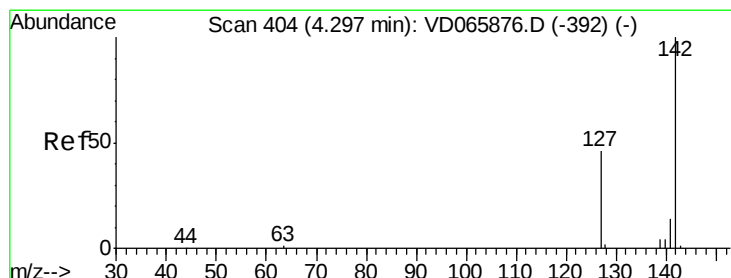
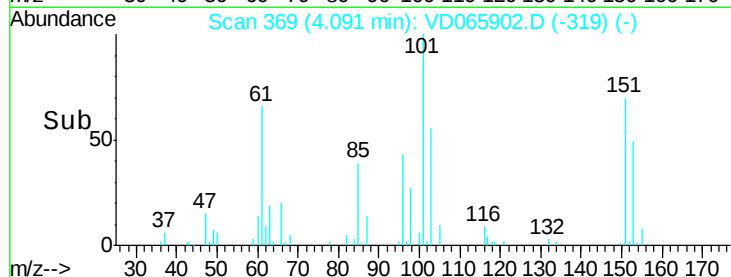
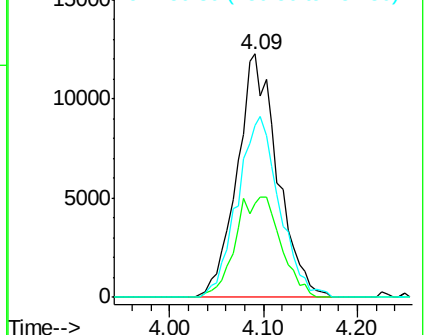
151 76.7 60.7 91.1



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: 20.564 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

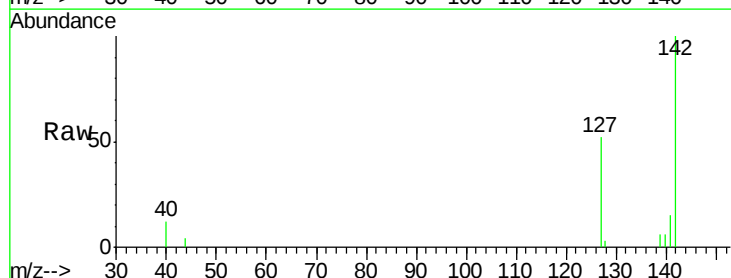
Tgt Ion:142 Resp: 33697

Ion Ratio Lower Upper

142 100

127 50.7 39.0 58.6

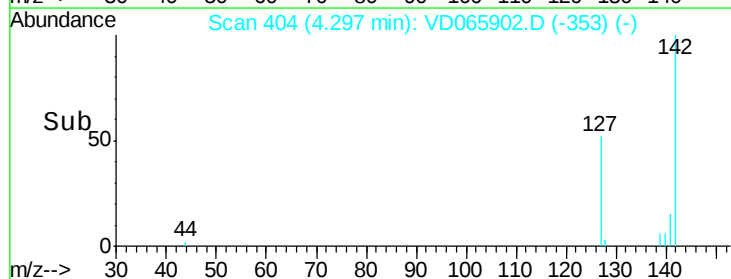
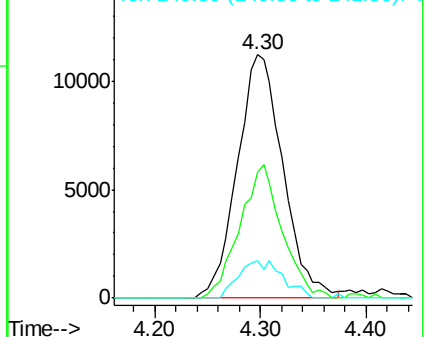
141 14.8 11.5 17.3

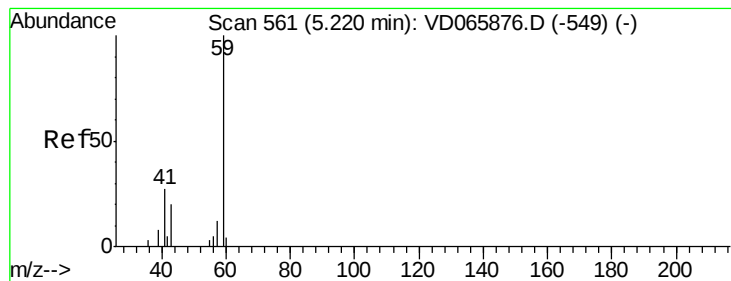


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 148.464 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

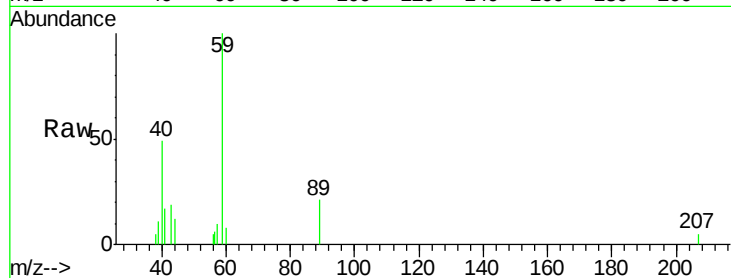
VD0701SBS01

Tot Ion: 59 Resp: 12630

Ion Ratio Lower Upper

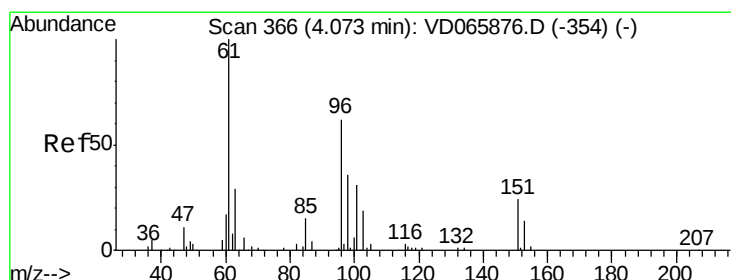
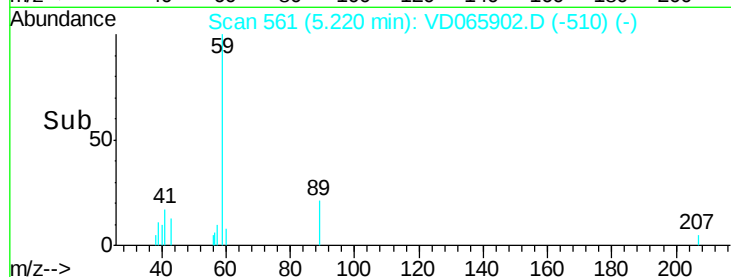
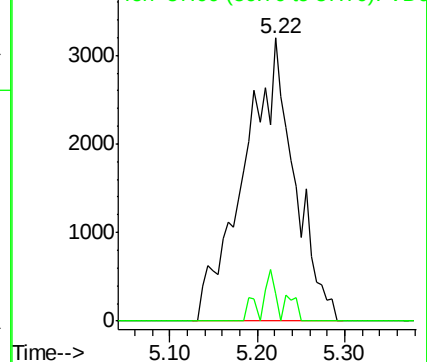
59 100

57 4.9 9.7 14.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.767 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

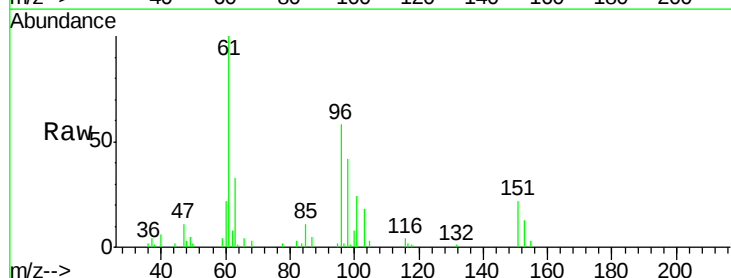
Tgt Ion: 96 Resp: 33744

Ion Ratio Lower Upper

96 100

61 172.3 128.3 192.5

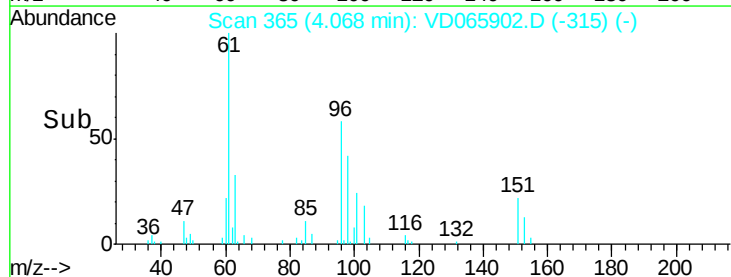
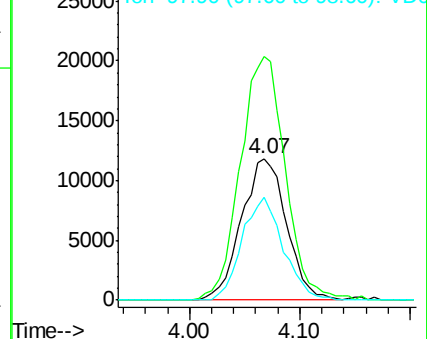
98 73.0 46.2 69.2#

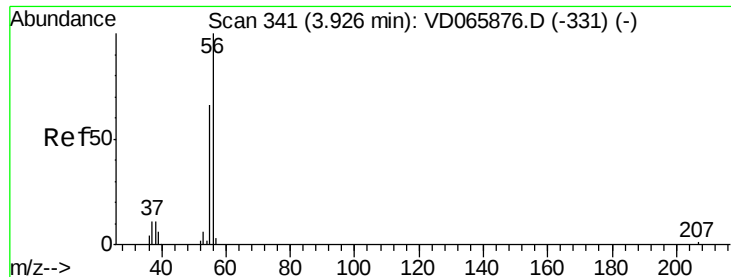


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 90.769 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

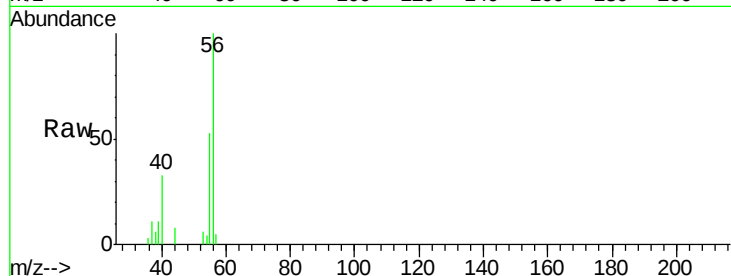
VD0701SBS01

Tot Ion: 56 Resp: 10885

Ion Ratio Lower Upper

56 100

55 74.5 58.1 87.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

5000

4000

3000

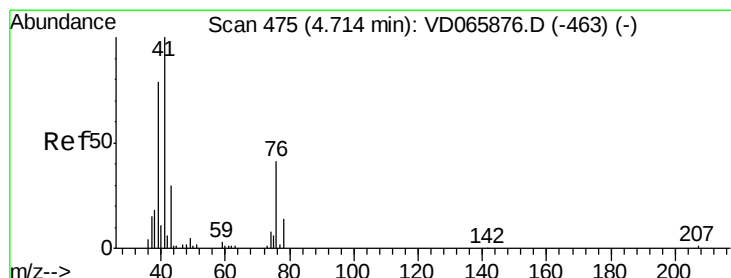
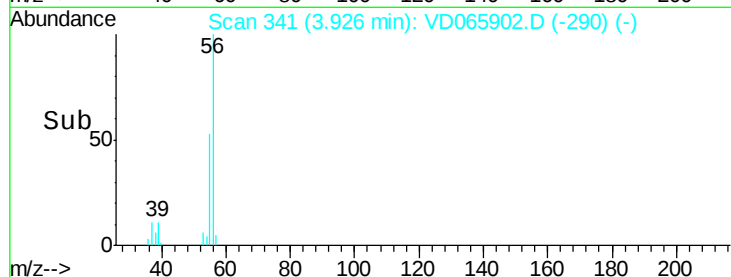
2000

1000

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 22.154 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

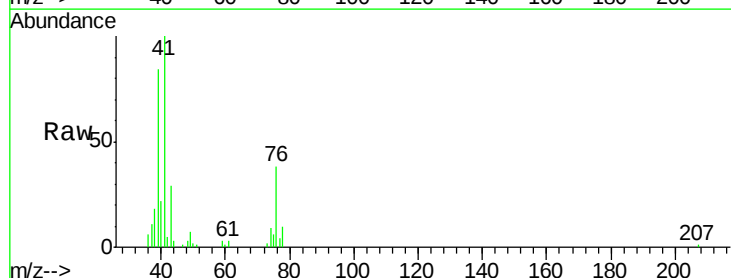
Tgt Ion: 41 Resp: 54175

Ion Ratio Lower Upper

41 100

39 78.1 63.8 95.8

76 37.2 32.2 48.4



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

4.72

20000

15000

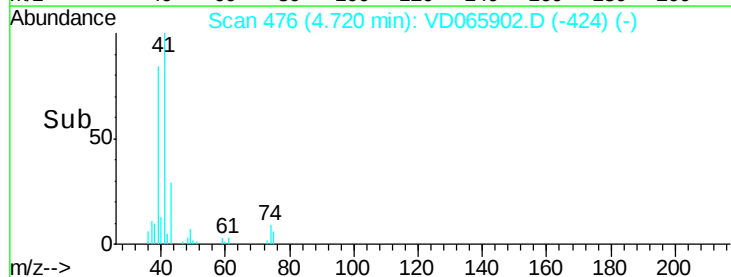
10000

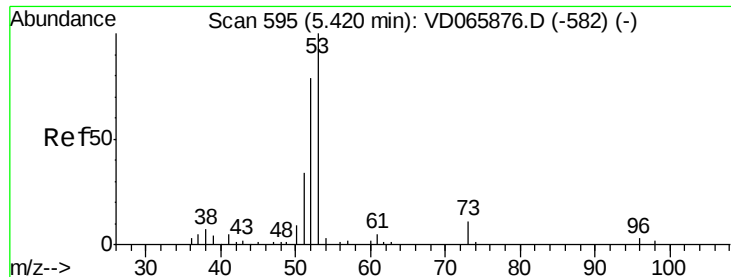
5000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 106.663 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

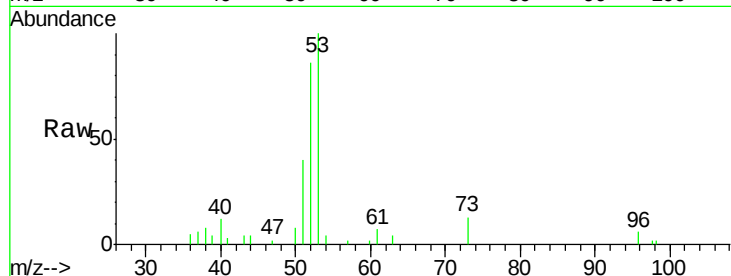
Tot Ion: 53 Resp: 35181

Ion Ratio Lower Upper

53 100

52 82.3 66.3 99.5

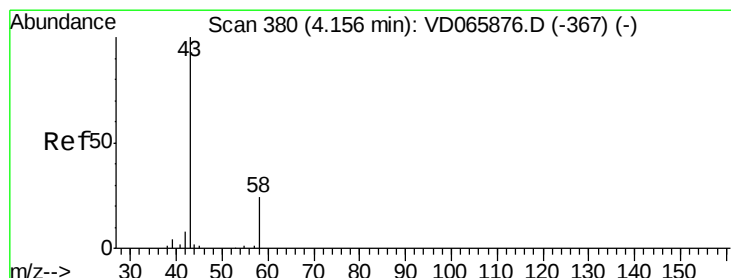
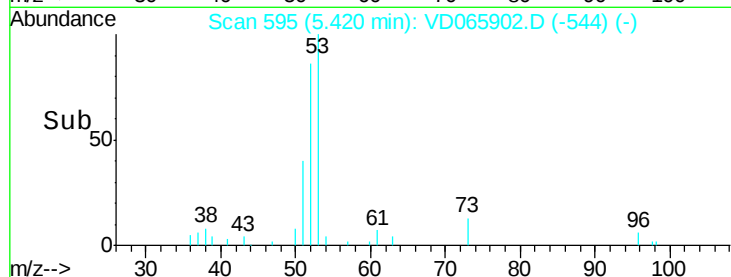
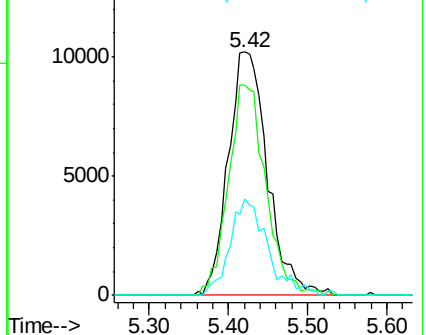
51 36.9 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 105.713 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065902.D

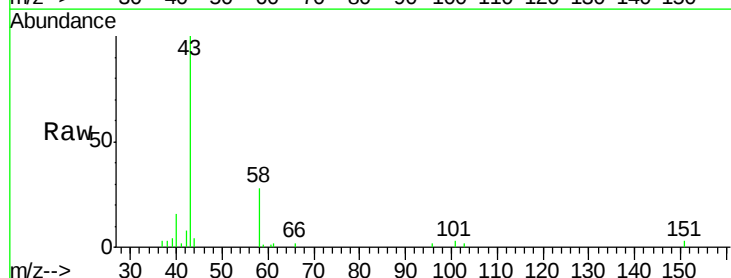
Acq: 01 Jul 2020 13:05

Tgt Ion: 43 Resp: 34176

Ion Ratio Lower Upper

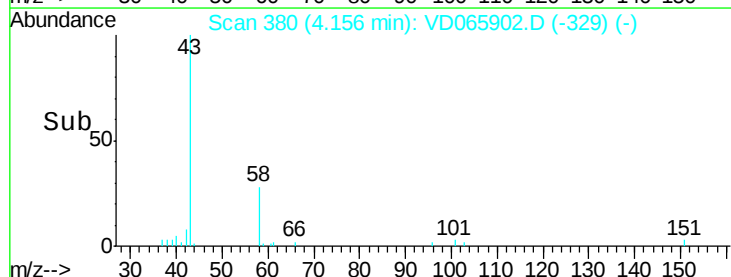
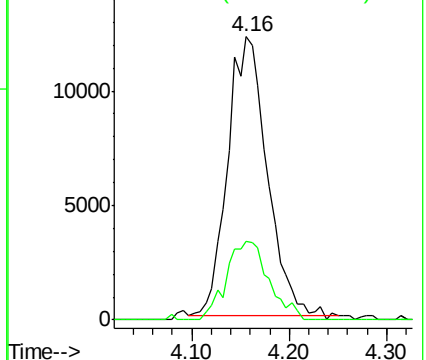
43 100

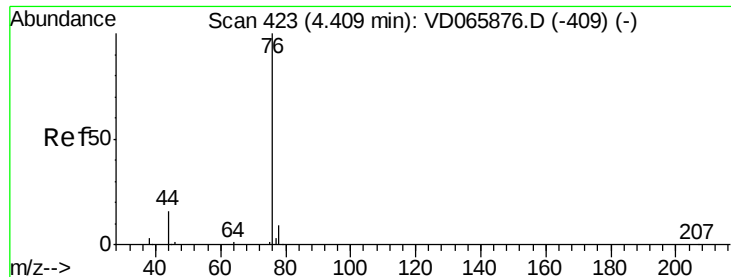
58 28.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

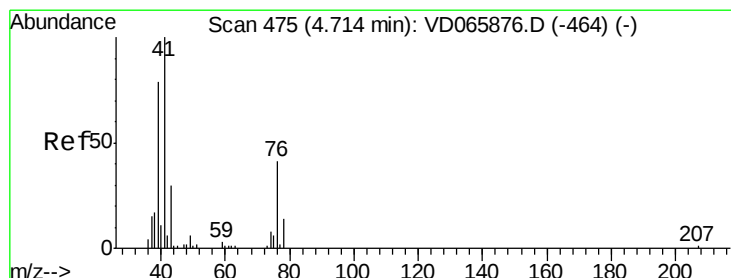
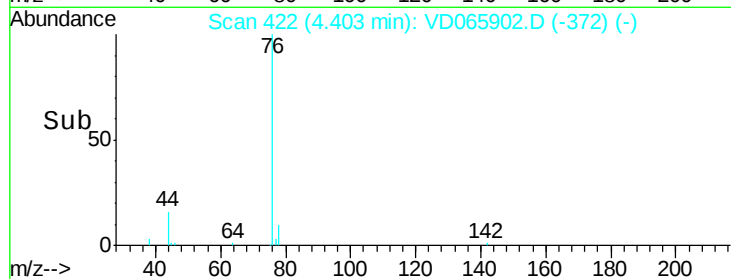
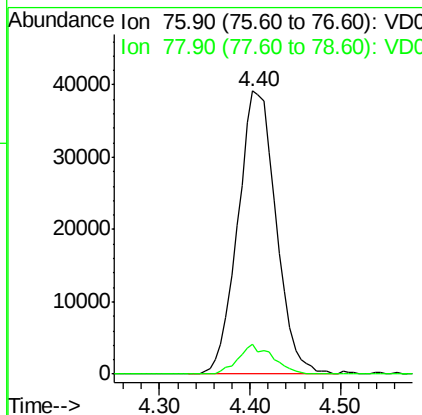
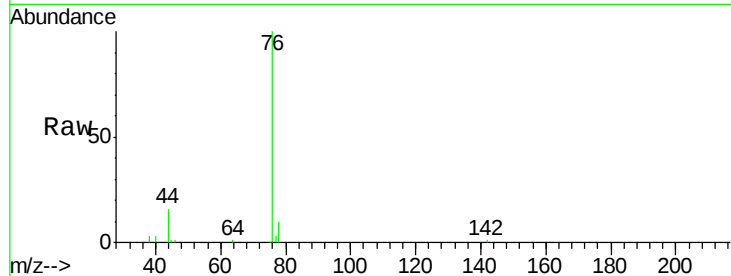




#17
Carbon Disulfide
Concen: 21.872 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

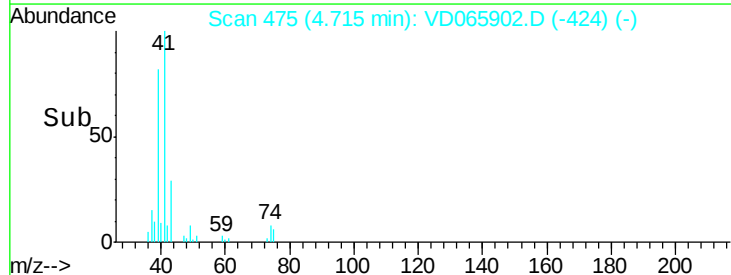
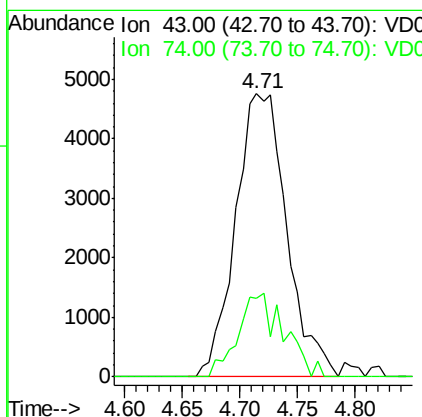
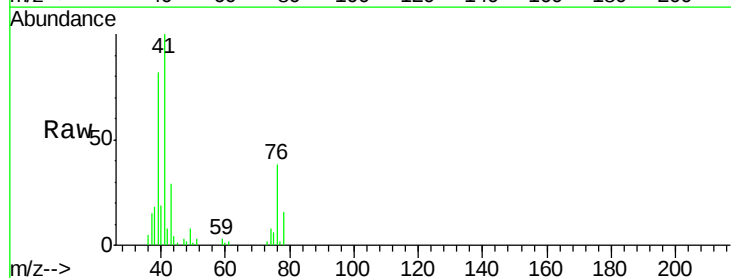
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

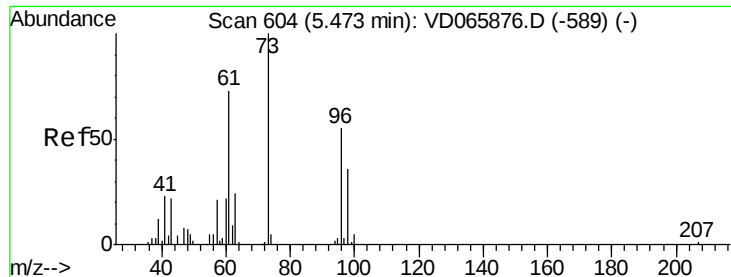
Tot Ion: 76 Resp: 114554
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8



#18
Methyl Acetate
Concen: 20.512 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 43 Resp: 14704
Ion Ratio Lower Upper
43 100
74 26.5 20.2 30.2

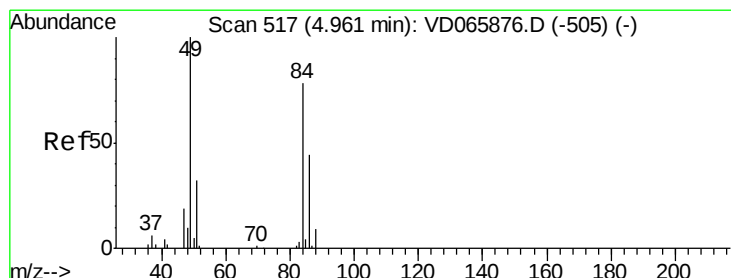
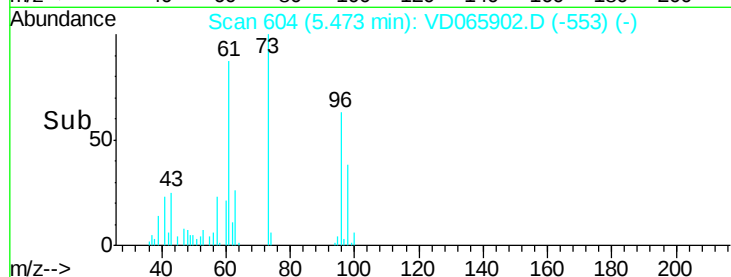
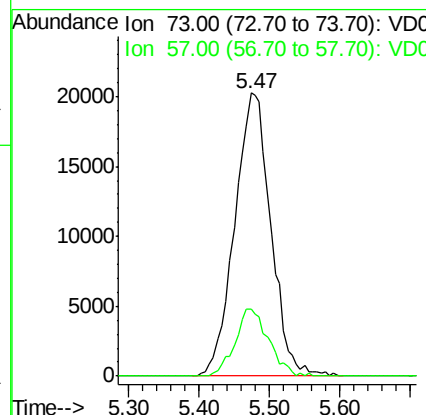
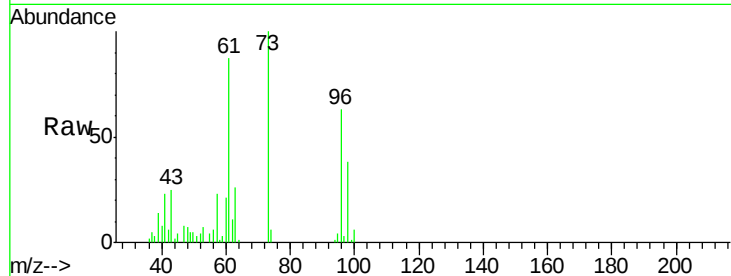




#19
Methyl tert-butyl Ether
Concen: 21.189 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

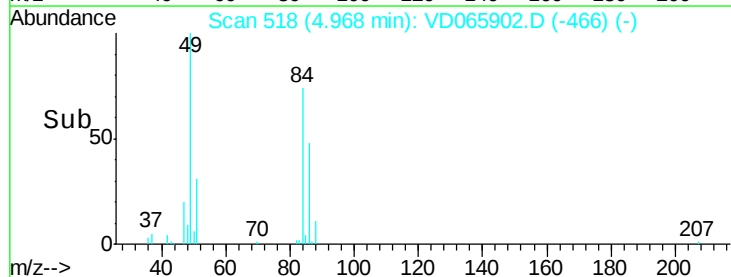
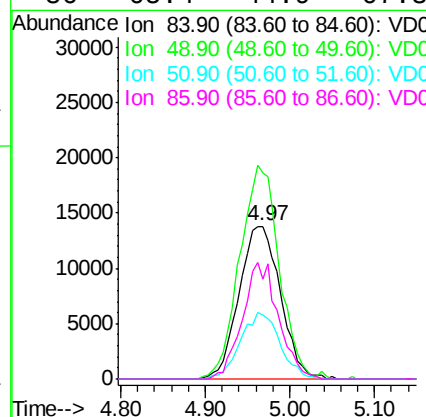
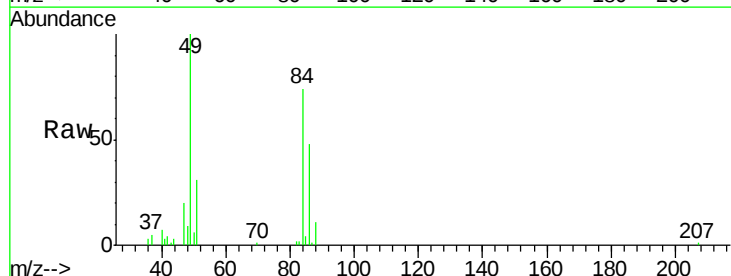
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

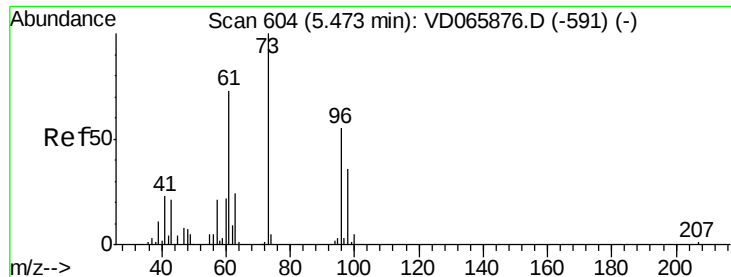
Tot Ion: 73 Resp: 72029
Ion Ratio Lower Upper
73 100
57 23.5 17.0 25.4



#20
Methylene Chloride
Concen: 25.079 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 84 Resp: 46850
Ion Ratio Lower Upper
84 100
49 135.2 103.0 154.6
51 41.9 32.7 49.1
86 65.4 44.9 67.3





#21

trans-1,2-Dichloroethene

Concen: 21.745 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

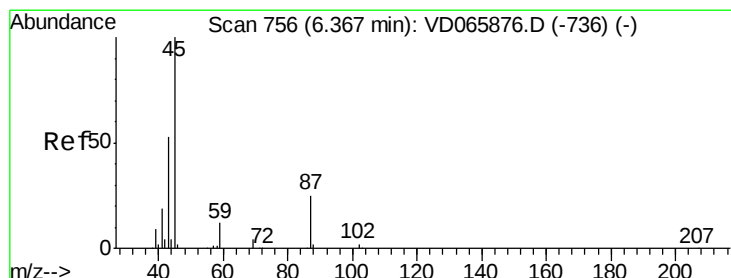
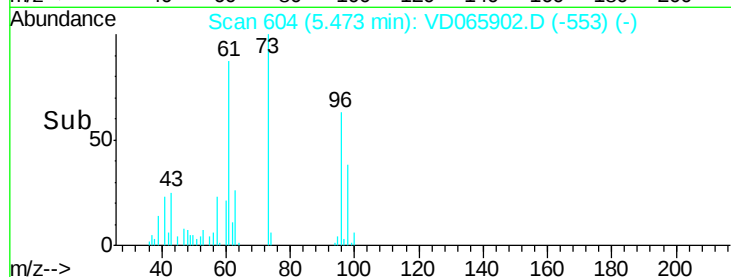
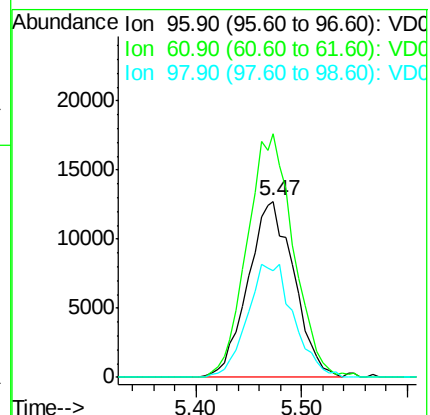
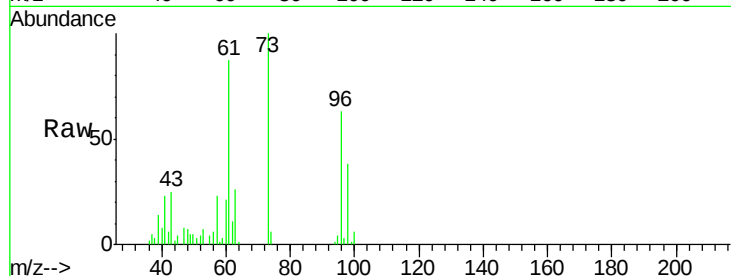
Tot Ion: 96 Resp: 38600

Ion Ratio Lower Upper

96 100

61 138.5 107.0 160.4

98 60.9 52.2 78.2



#22

Diisopropyl ether

Concen: 21.454 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Tgt Ion: 45 Resp: 109415

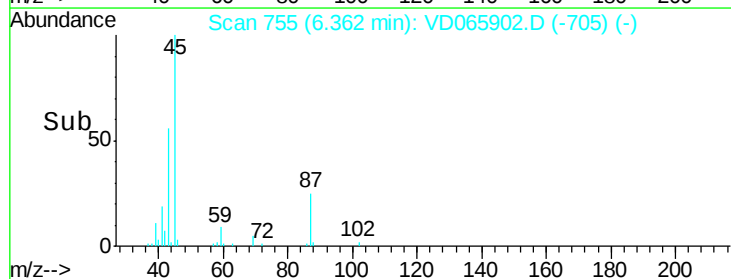
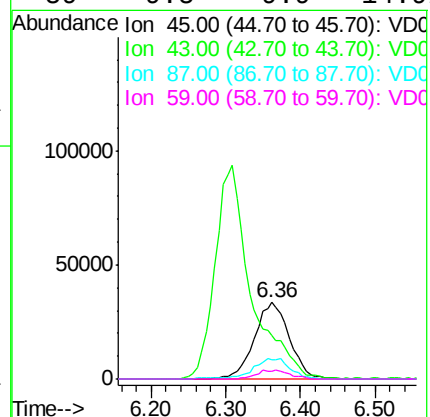
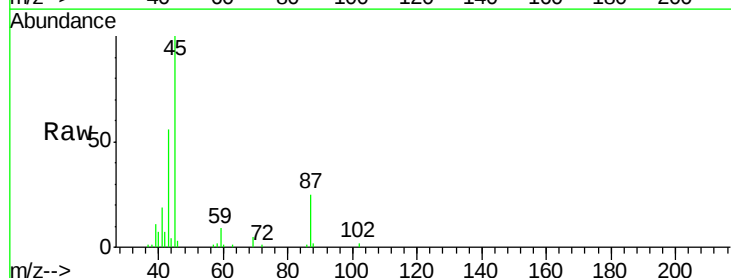
Ion Ratio Lower Upper

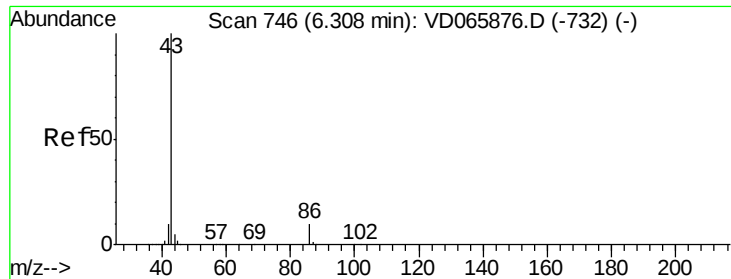
45 100

43 55.5 43.4 65.0

87 24.9 19.8 29.8

59 9.5 9.9 14.9#





#23

Vinyl Acetate

Concen: 106.506 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleID :

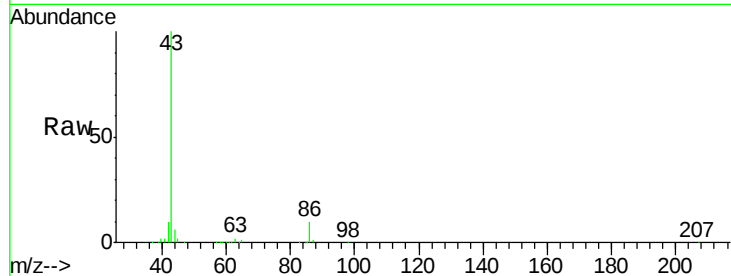
VD0701SBS01

Tot Ion: 43 Resp: 313941

Ion Ratio Lower Upper

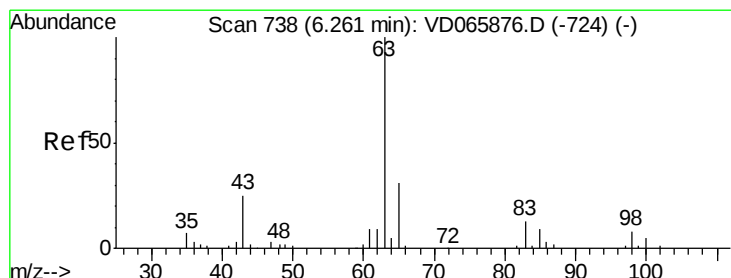
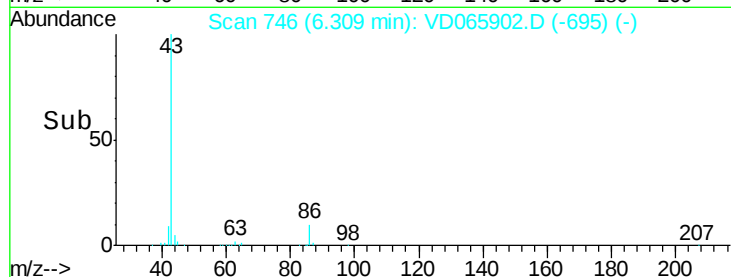
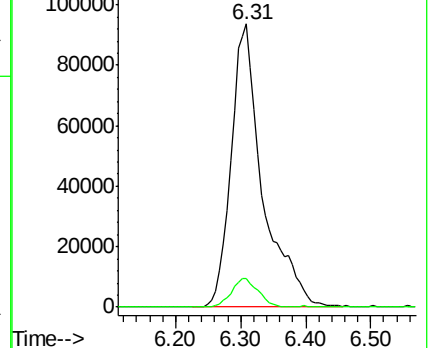
43 100

86 10.0 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.276 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

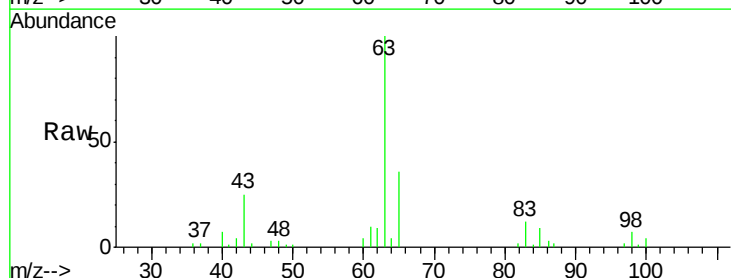
Tgt Ion: 63 Resp: 67776

Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.4

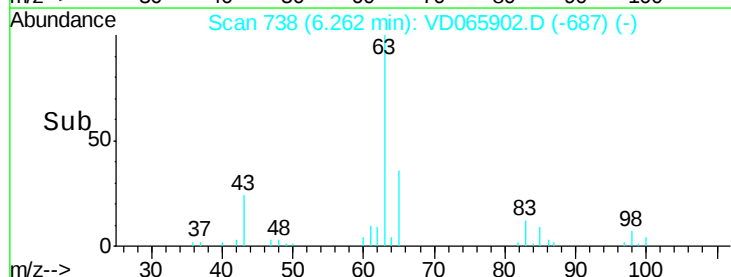
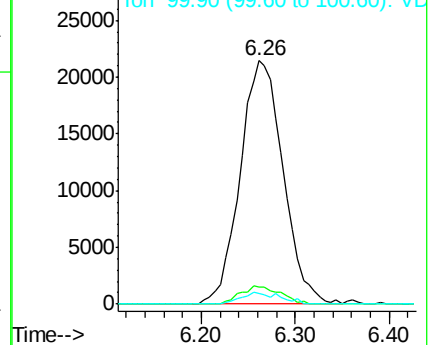
100 4.1 2.4 7.2

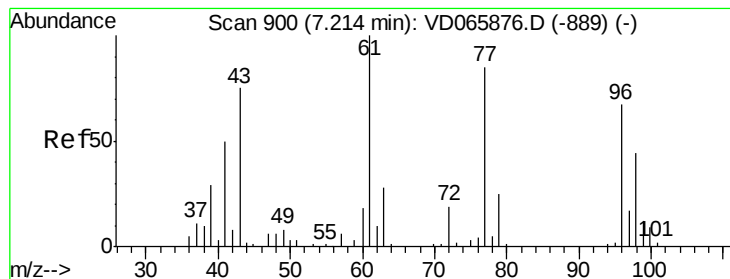


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 106.377 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

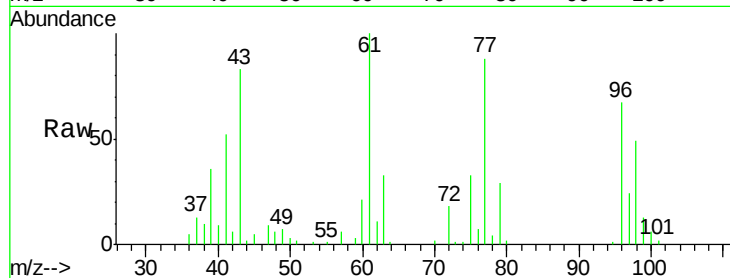
VD0701SBS01

Tot Ion: 43 Resp: 45895

Ion Ratio Lower Upper

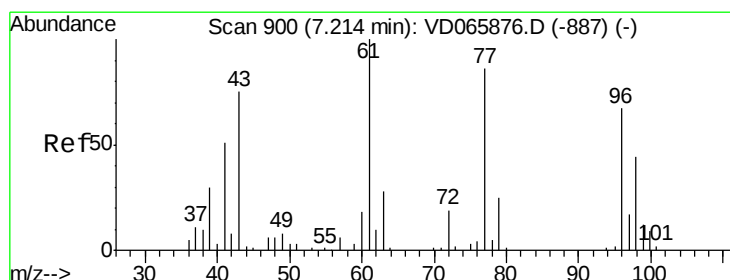
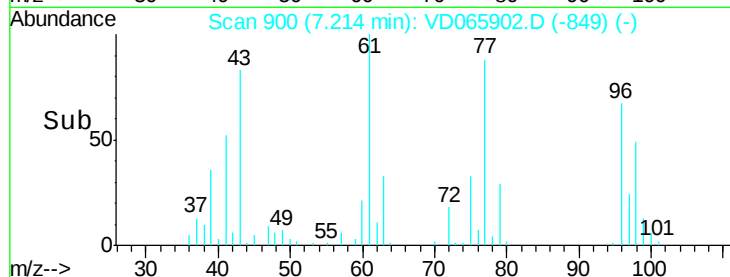
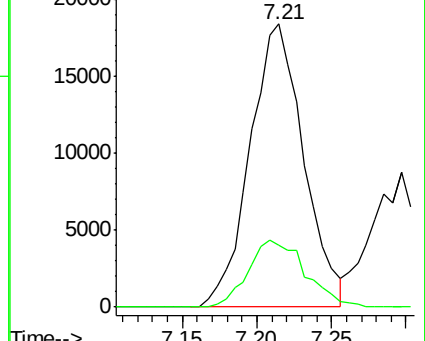
43 100

72 21.8 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.384 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065902.D

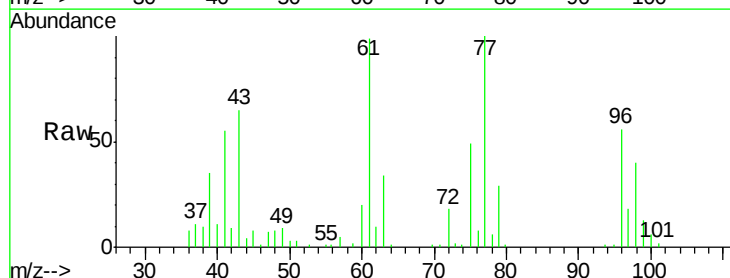
Acq: 01 Jul 2020 13:05

Tgt Ion: 77 Resp: 62501

Ion Ratio Lower Upper

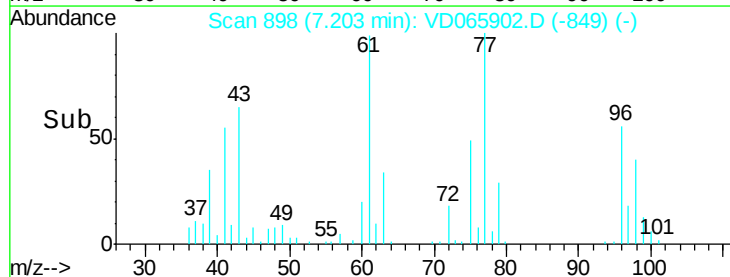
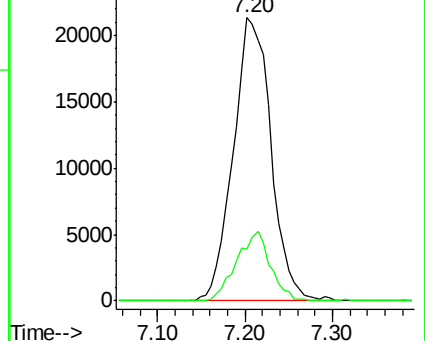
77 100

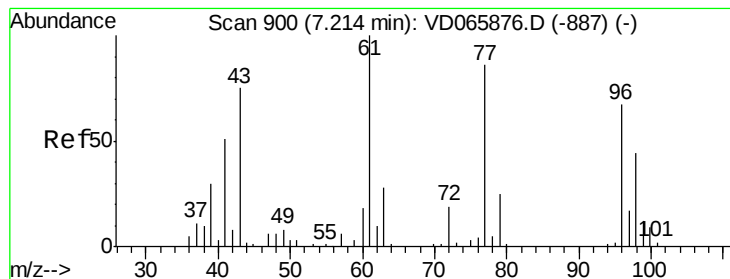
97 21.9 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.585 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

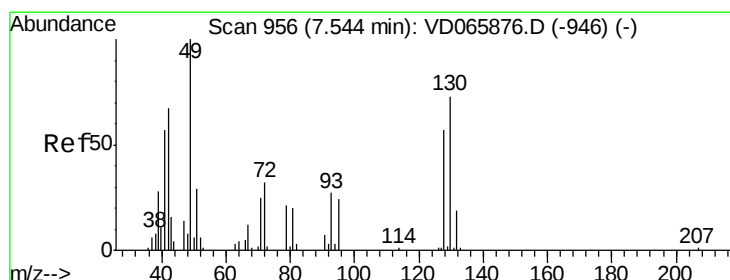
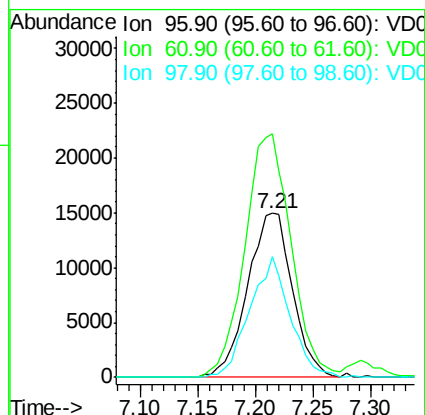
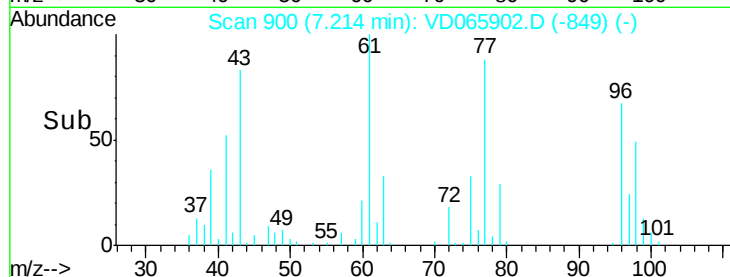
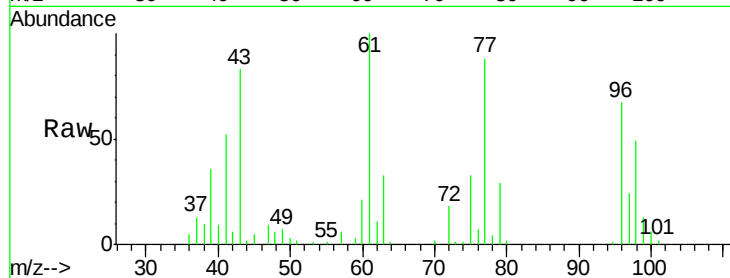
Tot Ion: 96 Resp: 40432

Ion Ratio Lower Upper

96 100

61 153.2 0.0 297.8

98 66.3 0.0 129.8



#28

Bromochloromethane

Concen: 20.063 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

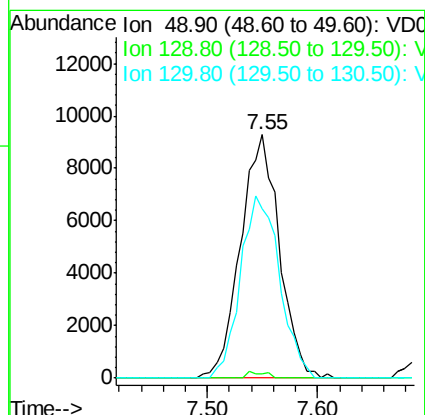
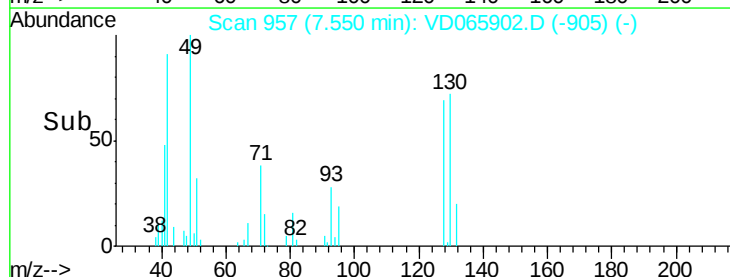
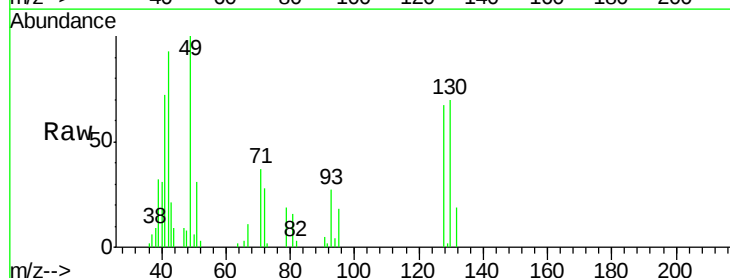
Tgt Ion: 49 Resp: 22939

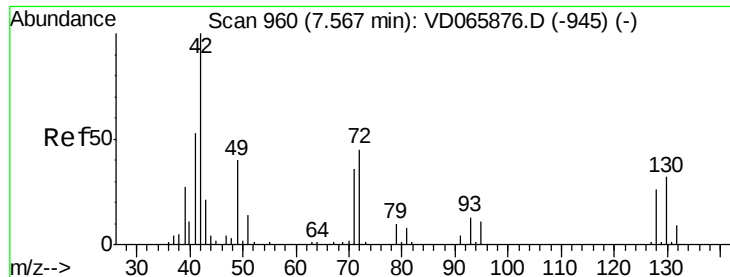
Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.4

130 75.4 61.0 91.6

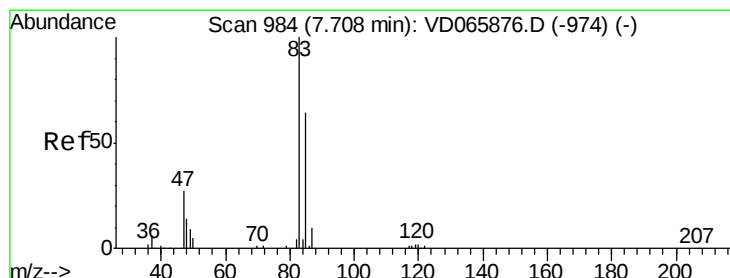
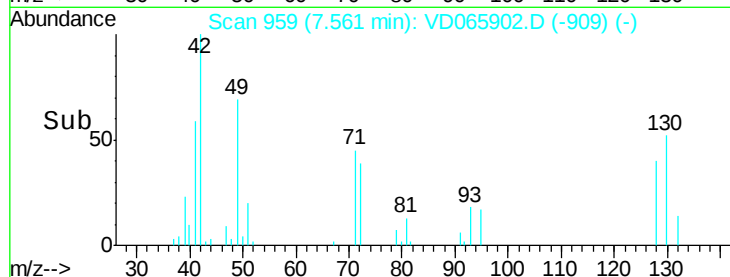
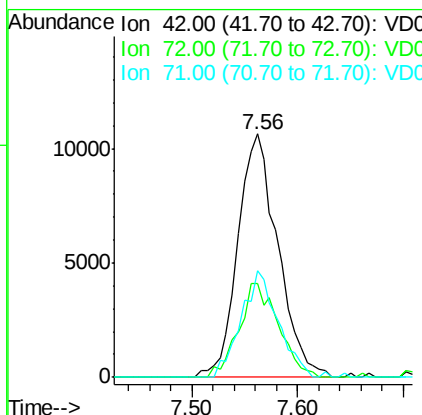
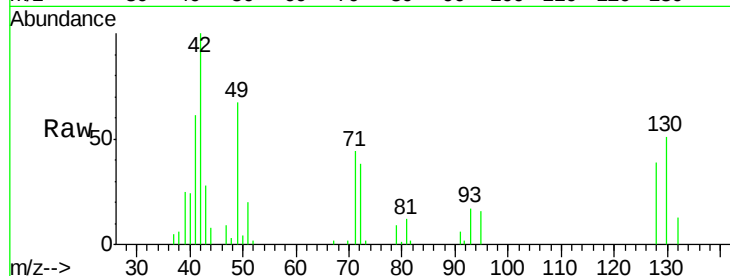




#29
Tetrahydrofuran
Concen: 101.767 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

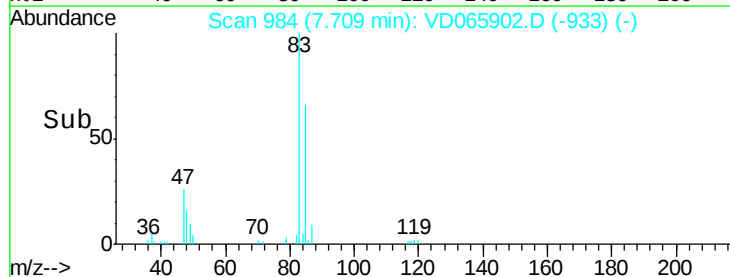
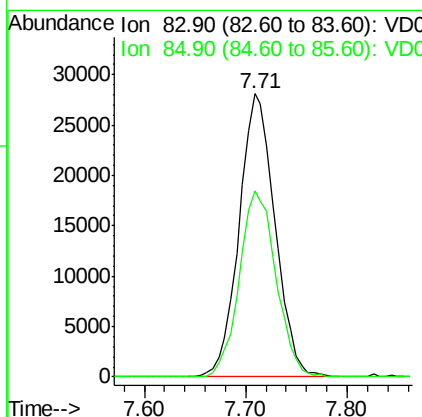
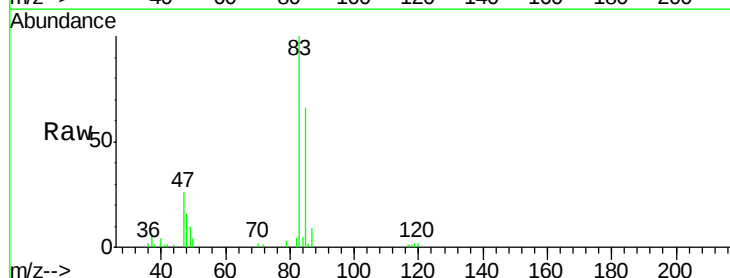
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

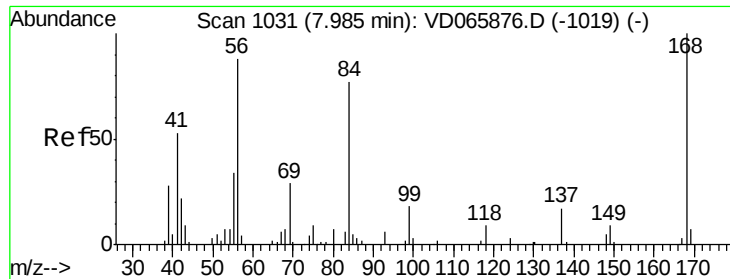
Tot Ion: 42 Resp: 27890
Ion Ratio Lower Upper
42 100
72 38.5 35.3 52.9
71 40.2 32.6 48.8



#30
Chloroform
Concen: 21.142 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 83 Resp: 68875
Ion Ratio Lower Upper
83 100
85 65.9 51.2 76.8

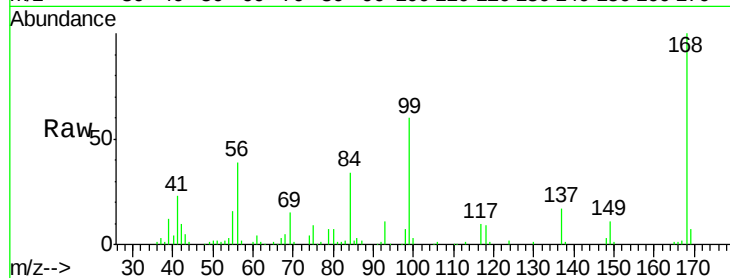




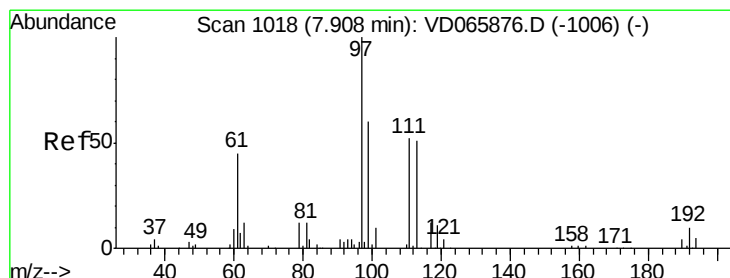
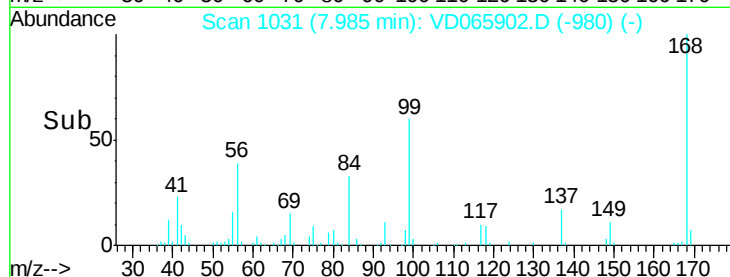
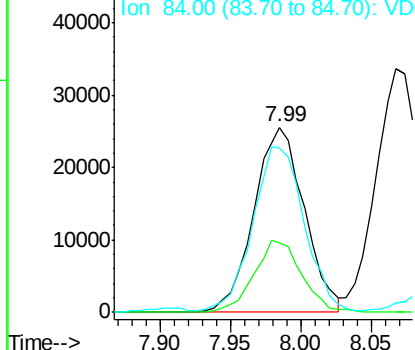
#31
Cyclohexane
Concen: 21.615 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

Tot Ion: 56 Resp: 63891
Ion Ratio Lower Upper
56 100
69 37.9 26.2 39.4
84 87.6 70.3 105.5

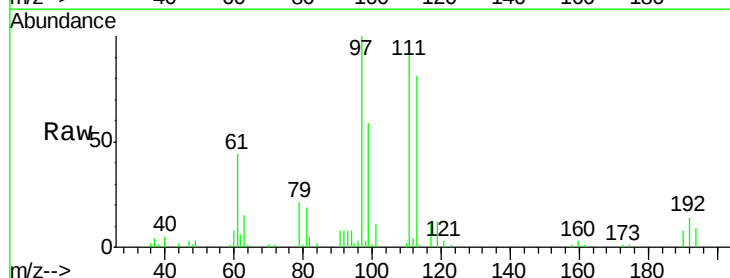


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

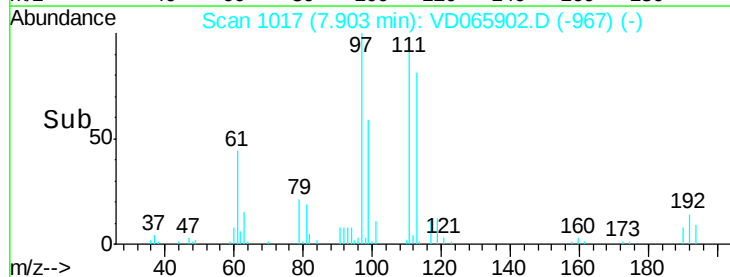
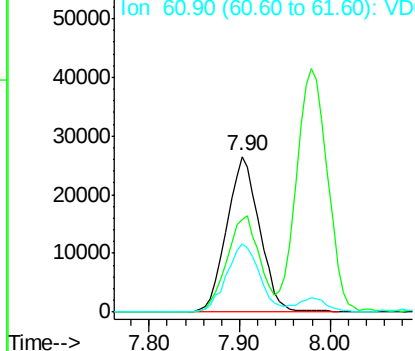


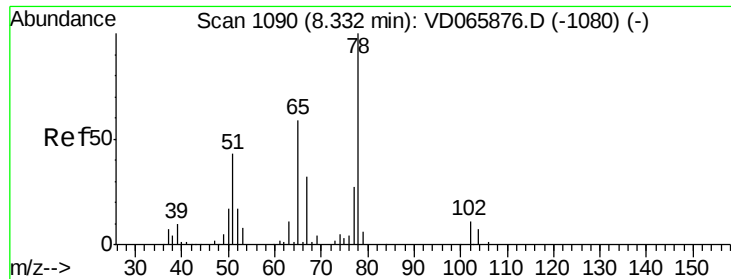
#32
1,1,1-Trichloroethane
Concen: 22.242 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 97 Resp: 66489
Ion Ratio Lower Upper
97 100
99 61.5 50.2 75.4
61 44.1 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: 49.519 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

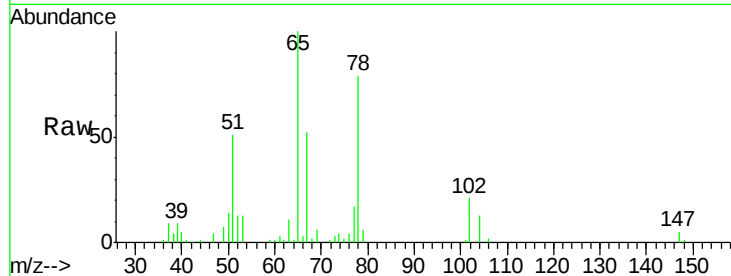
VD0701SBS01

Tot Ion: 65 Resp: 81709

Ion Ratio Lower Upper

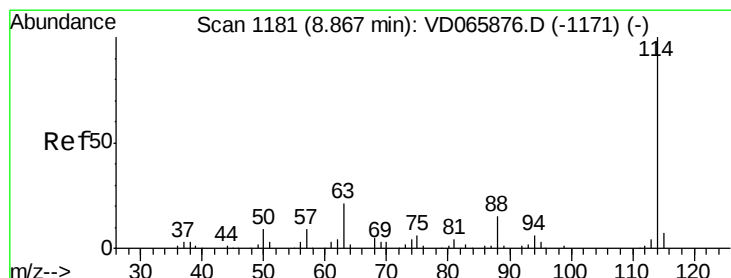
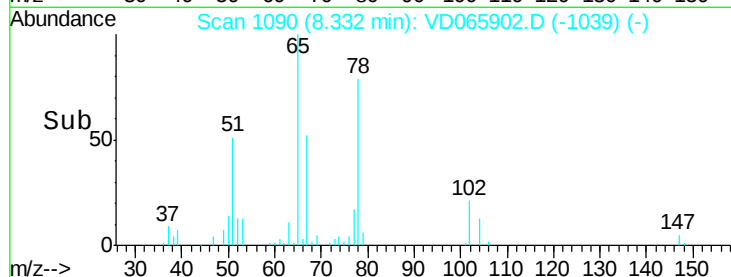
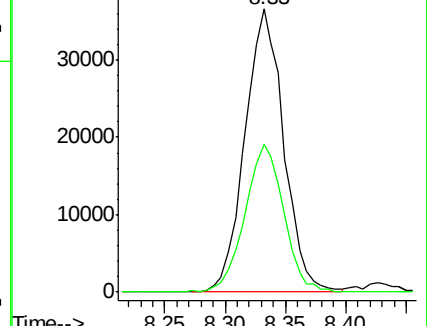
65 100

67 52.1 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

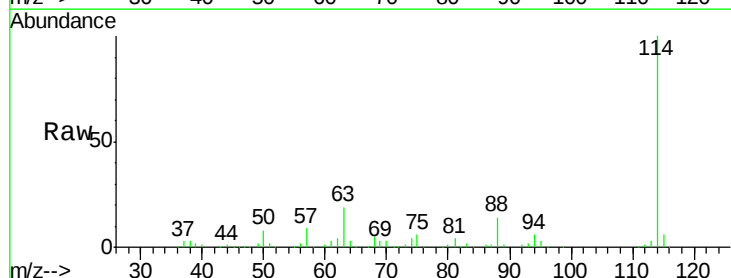
Tgt Ion: 114 Resp: 268377

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

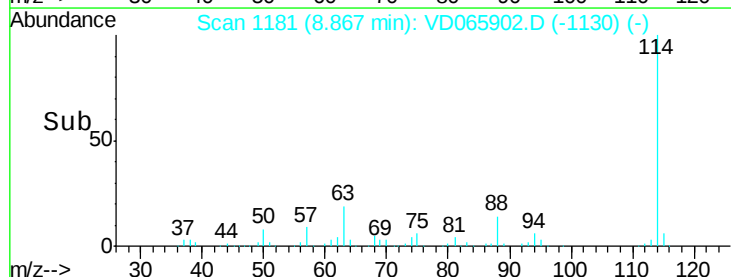
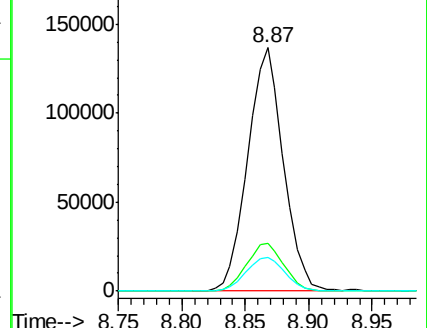
88 13.9 0.0 29.0

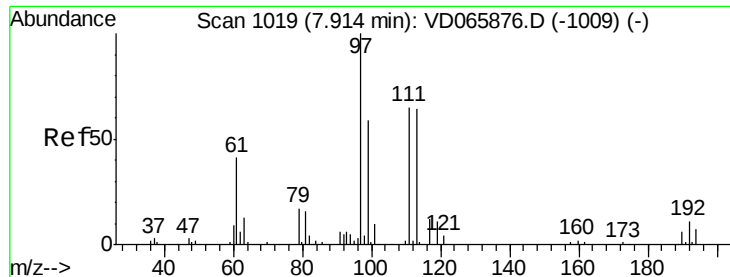


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

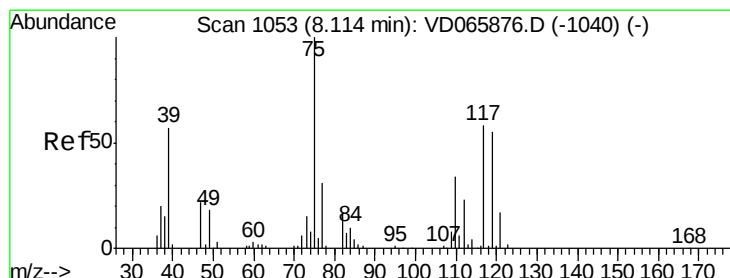
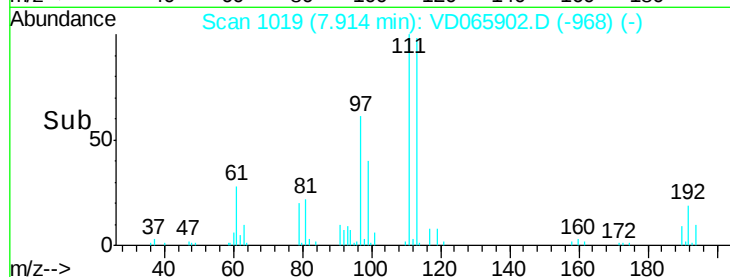
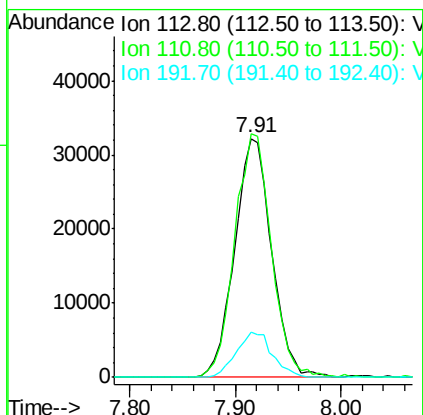
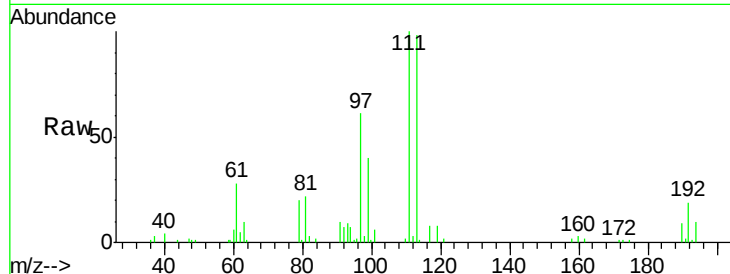




#35
 Dibromofluoromethane
 Concen: 47.056 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

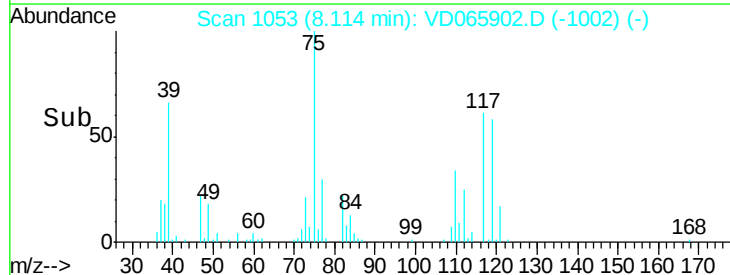
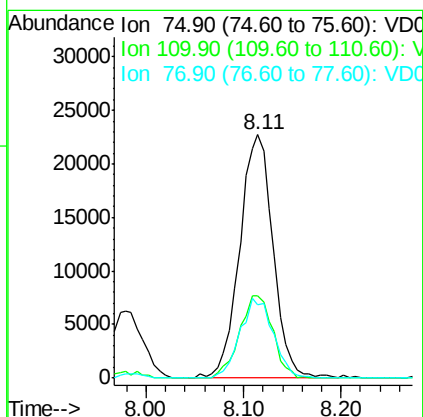
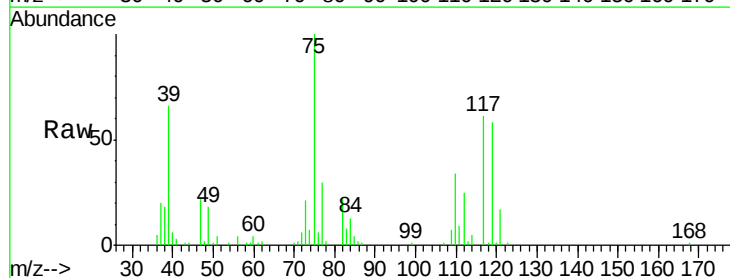
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

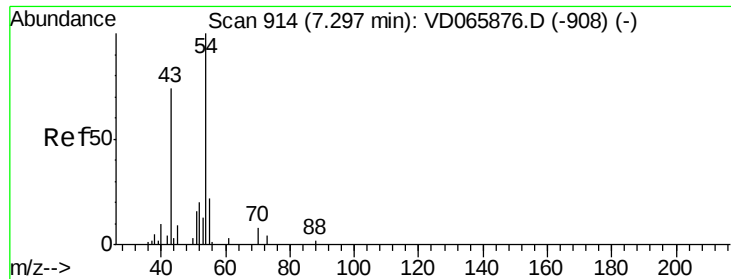
Tot Ion:113 Resp: 78058
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.0 121.6
 192 18.3 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 20.799 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

Tgt Ion: 75 Resp: 54431
 Ion Ratio Lower Upper
 75 100
 110 33.7 16.8 50.4
 77 32.7 24.0 36.0

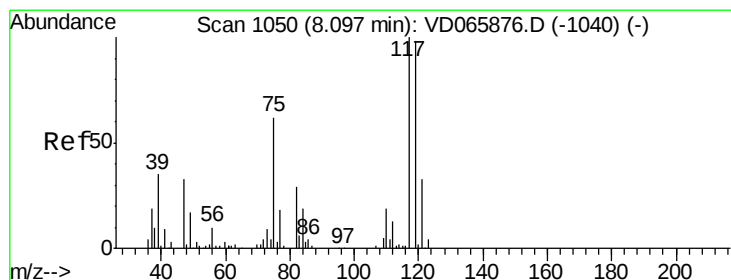
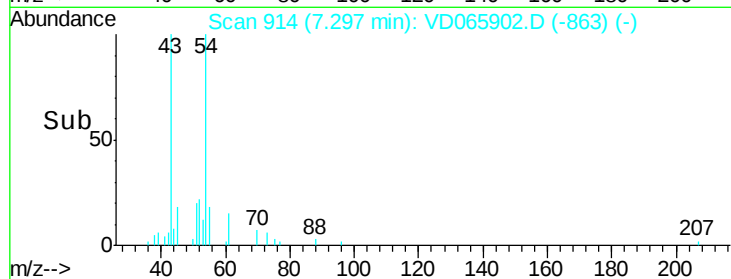
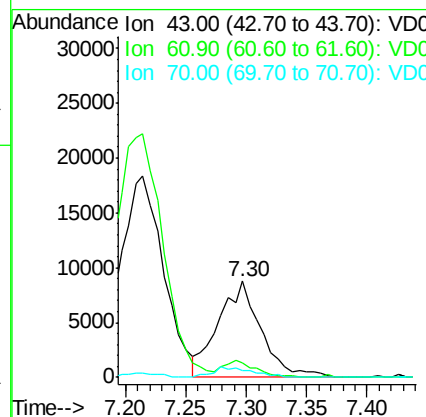
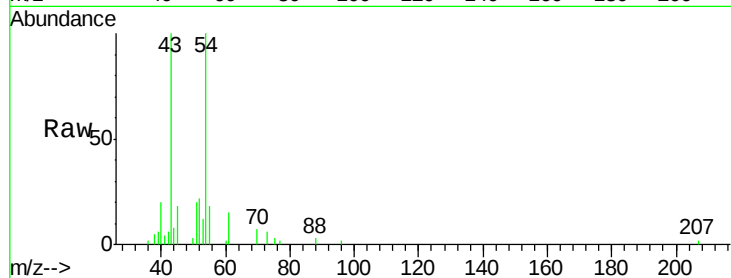




#37
Ethyl Acetate
Concen: 21.478 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

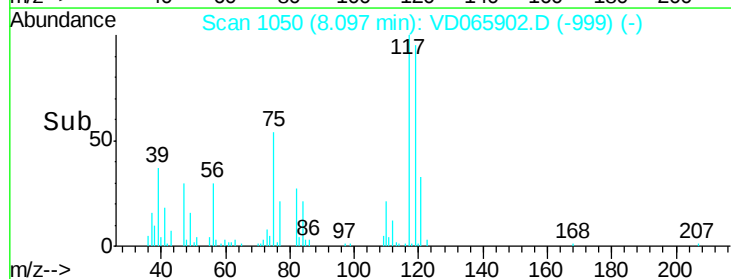
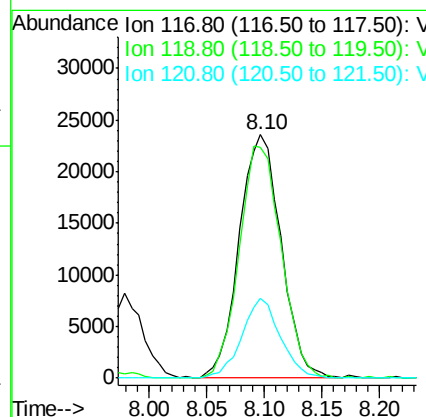
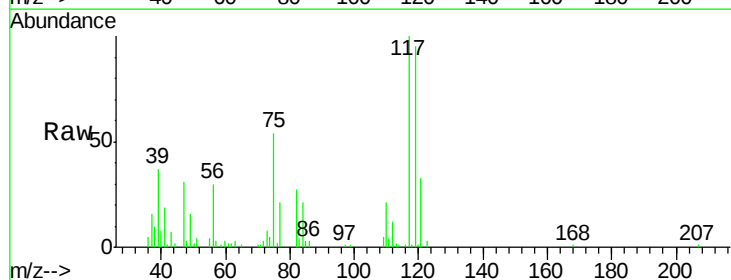
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

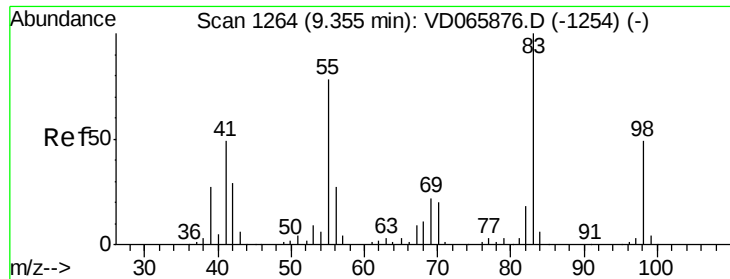
Tot Ion: 43 Resp: 21492
Ion Ratio Lower Upper
43 100
61 13.3 0.0 0.0#
70 9.8 8.5 12.7



#38
Carbon Tetrachloride
Concen: 21.063 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 117 Resp: 59524
Ion Ratio Lower Upper
117 100
119 95.0 78.6 117.8
121 33.0 26.5 39.7

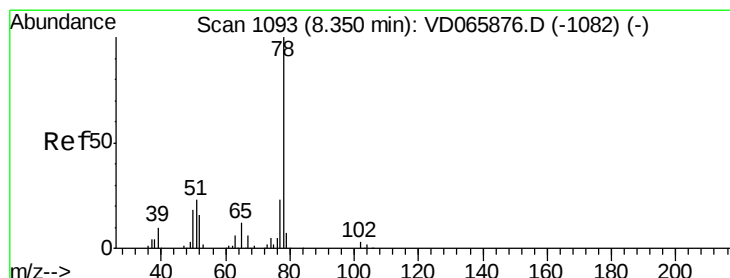
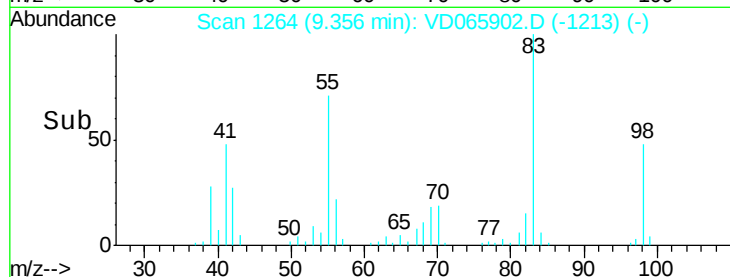
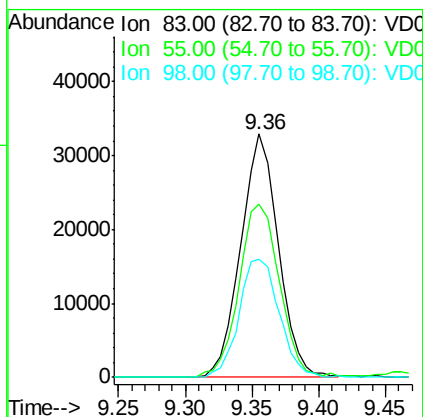
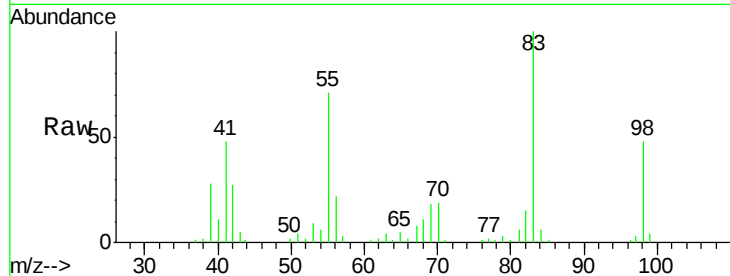




#39
Methvlcvclohexane
Concen: 20.622 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

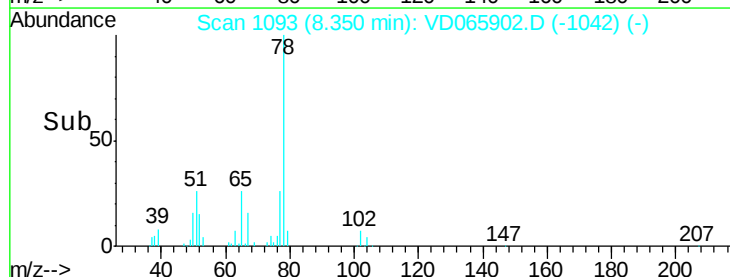
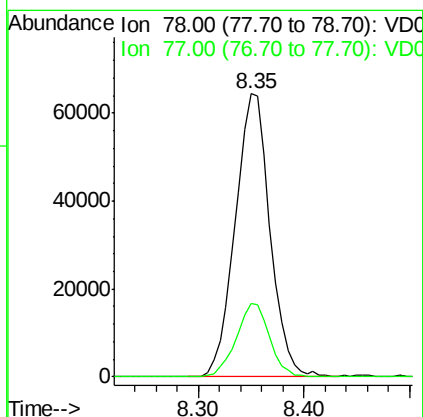
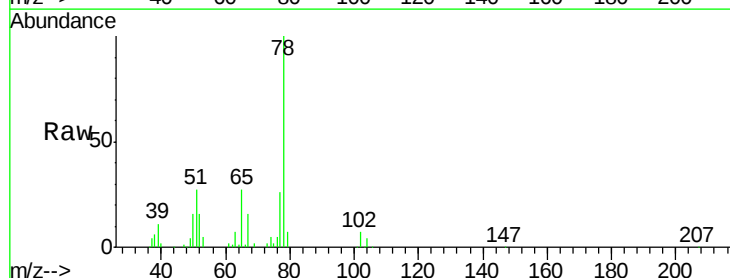
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

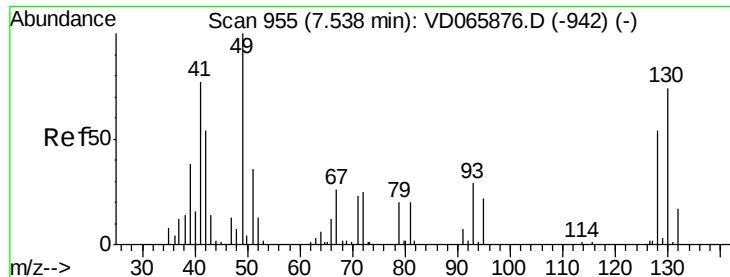
Tot Ion: 83 Resp: 64122
Ion Ratio Lower Upper
83 100
55 71.2 62.2 93.4
98 48.4 39.6 59.4



#40
Benzene
Concen: 20.231 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 78 Resp: 146889
Ion Ratio Lower Upper
78 100
77 26.1 18.8 28.2

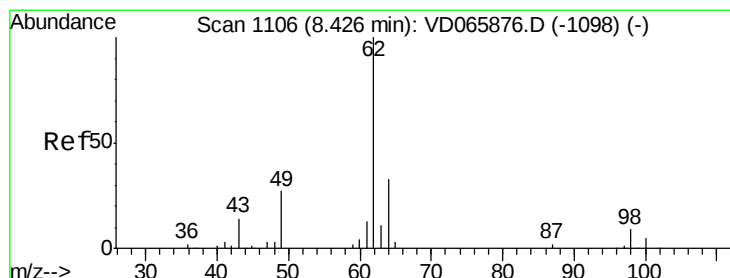
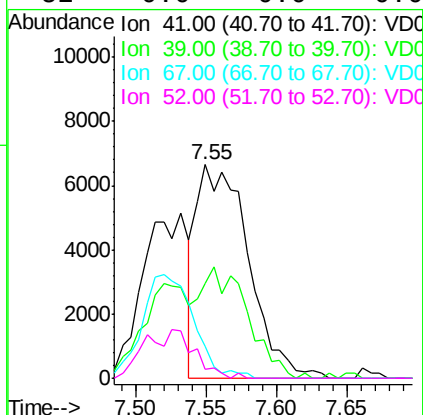
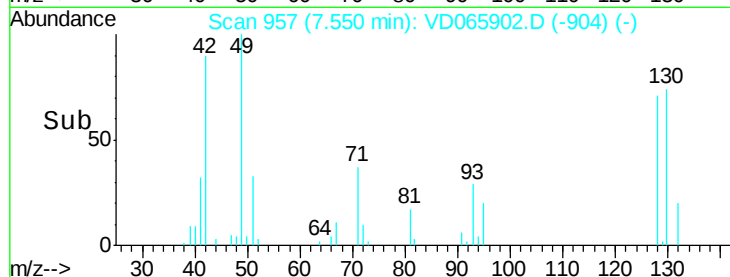
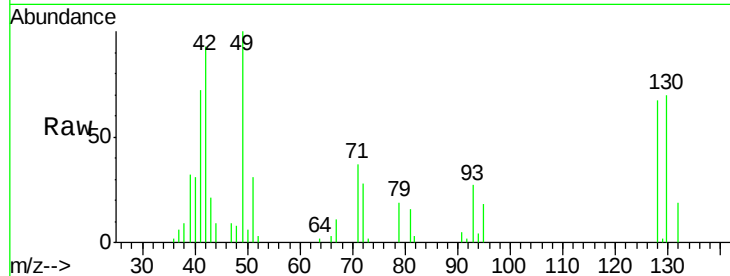




#41
Methacrylonitrile
Concen: 30.700 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

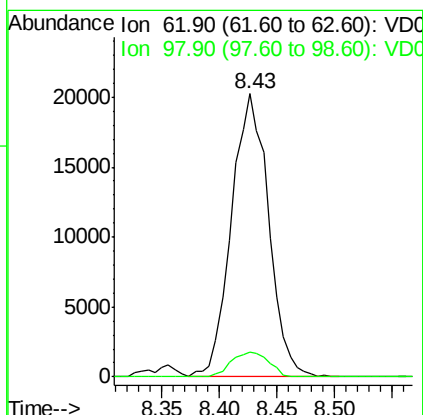
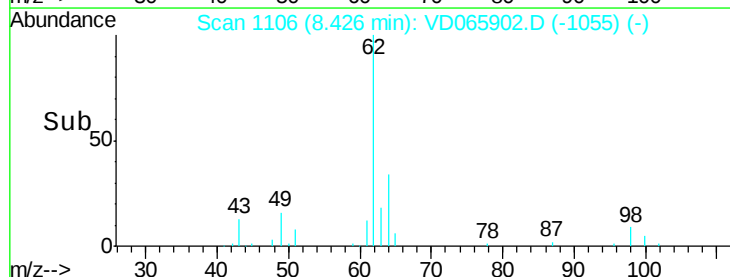
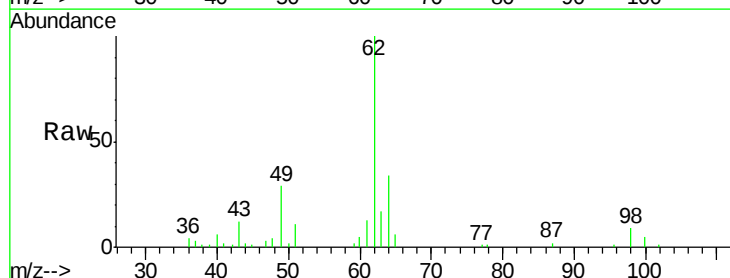
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

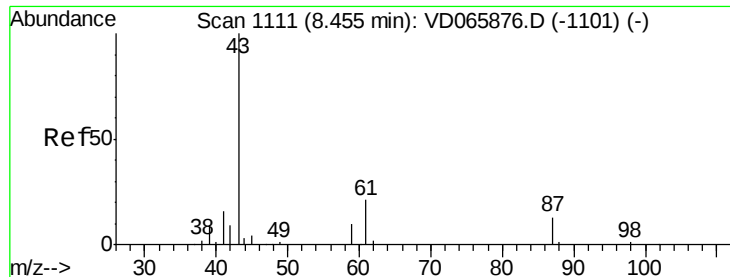
Tot Ion: 41 Resp: 16854
Ion Ratio Lower Upper
41 100
39 44.1 82.7 124.1#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 21.061 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 62 Resp: 45110
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.4





#43

Isopropyl Acetate

Concen: 19.796 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

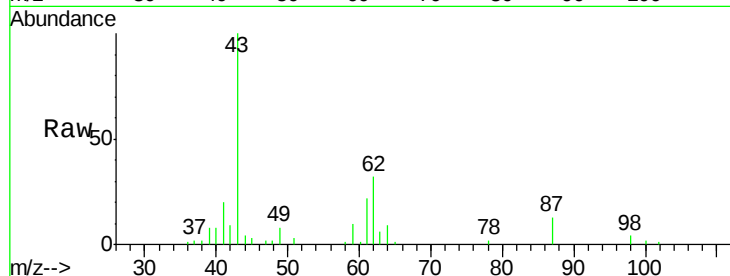
Tot Ion: 43 Resp: 38384

Ion Ratio Lower Upper

43 100

61 31.2 25.2 37.8

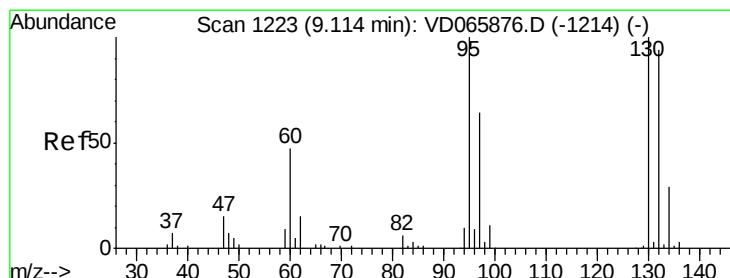
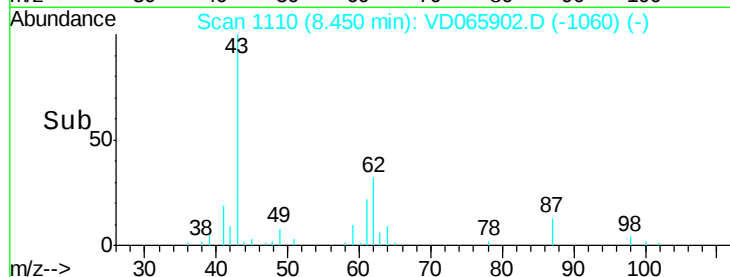
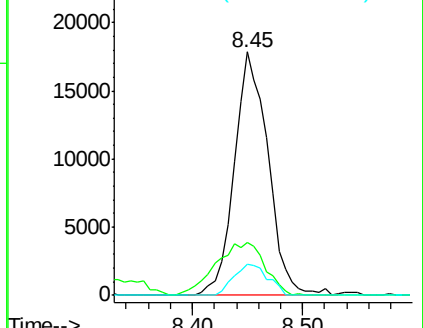
87 12.9 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.432 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065902.D

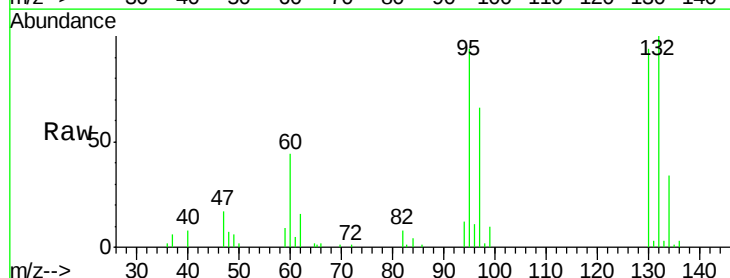
Acq: 01 Jul 2020 13:05

Tgt Ion: 130 Resp: 40187

Ion Ratio Lower Upper

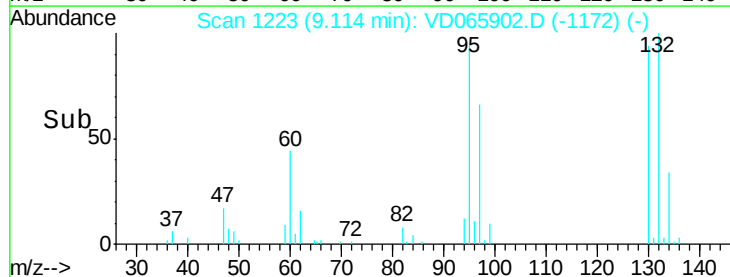
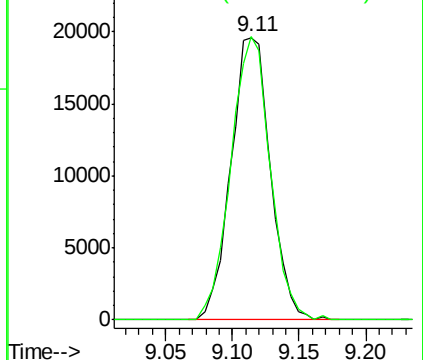
130 100

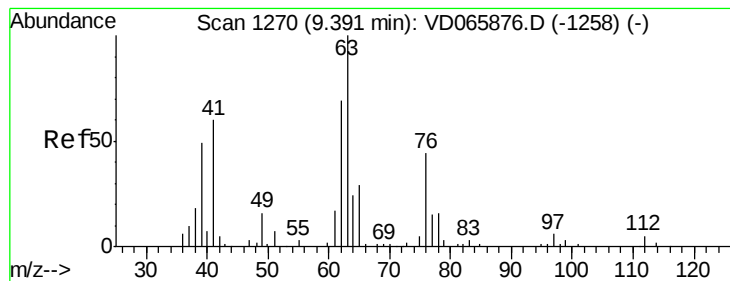
95 100.3 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.871 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

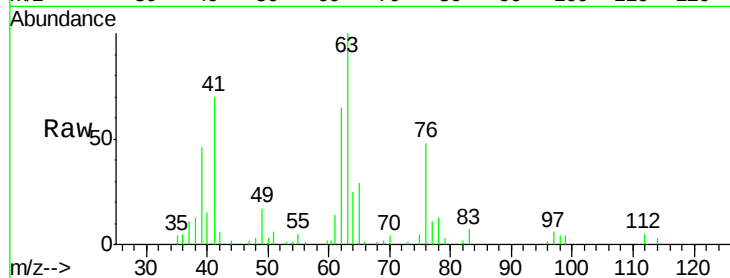
VD0701SBS01

Tot Ion: 63 Resp: 36299

Ion Ratio Lower Upper

63 100

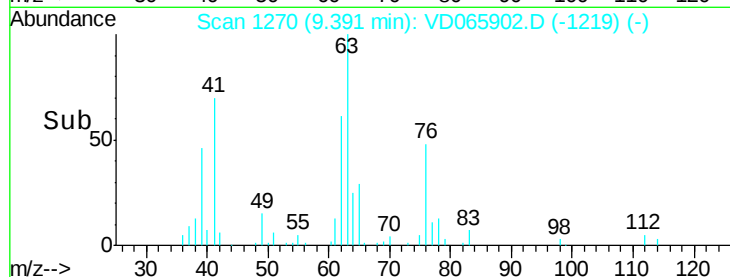
65 29.5 23.4 35.0



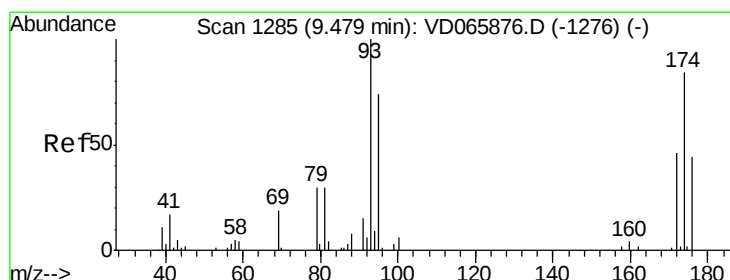
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39



Time-->



#46

Dibromomethane

Concen: 20.722 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

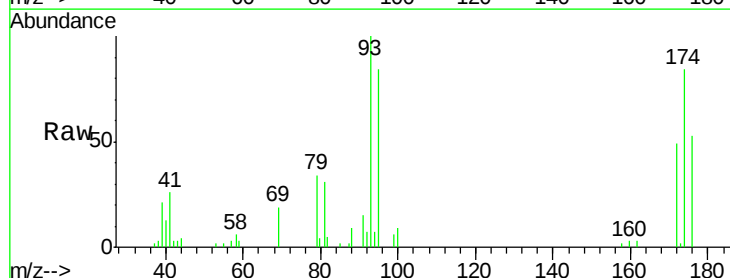
Tgt Ion: 93 Resp: 19978

Ion Ratio Lower Upper

93 100

95 78.8 65.4 98.0

174 87.2 75.2 112.8

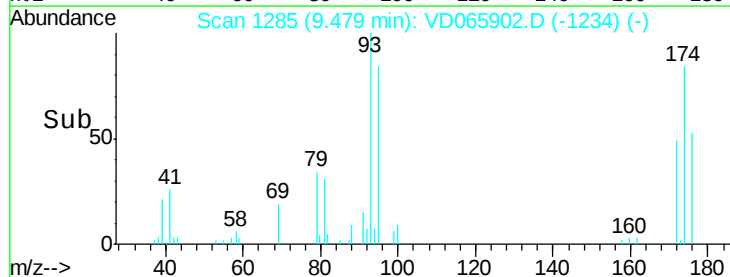


Abundance Ion 92.80 (92.50 to 93.50): VDC

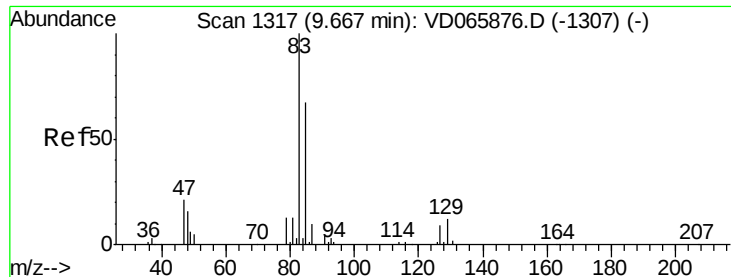
Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

9.48



Time-->



#47

Bromodichloromethane

Concen: 21.096 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

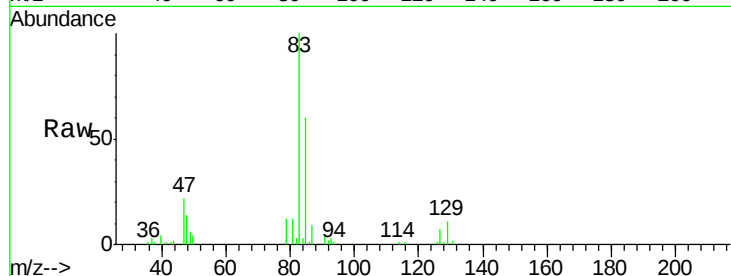
Tot Ion: 83 Resp: 54044

Ion Ratio Lower Upper

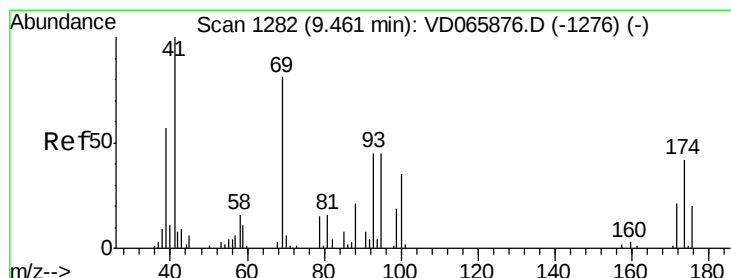
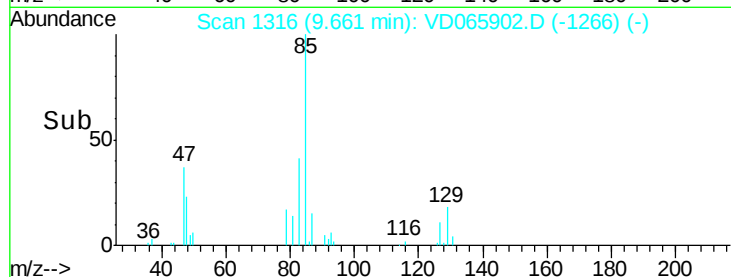
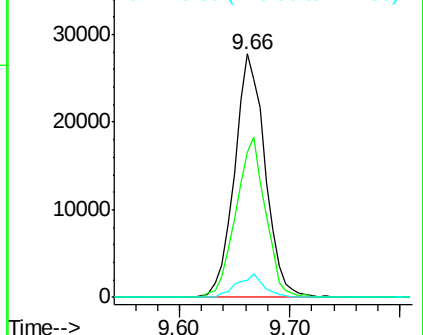
83 100

85 59.8 53.9 80.9

127 6.8 7.0 10.4#



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



#48

Methyl methacrylate

Concen: 21.355 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

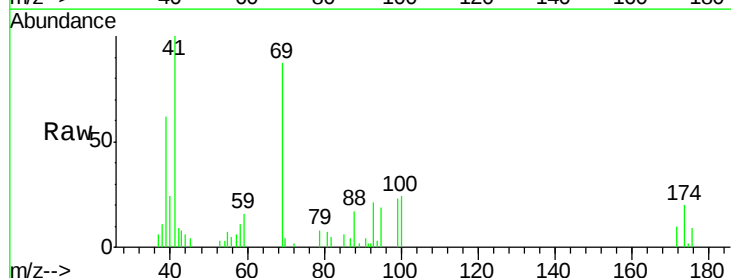
Tgt Ion: 41 Resp: 20297

Ion Ratio Lower Upper

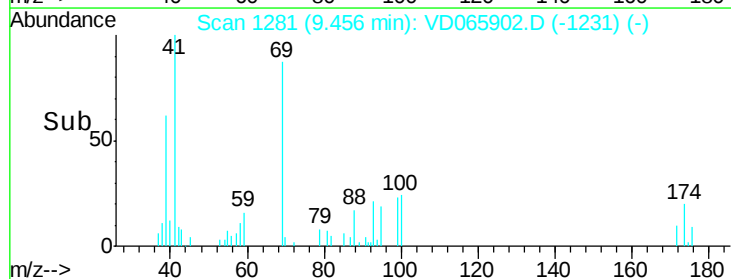
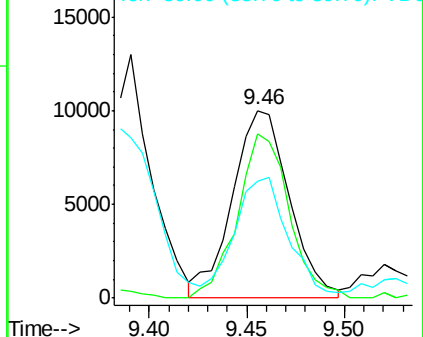
41 100

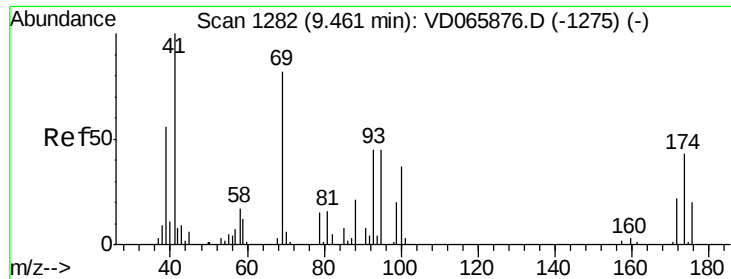
69 79.2 68.3 102.5

39 55.3 54.1 81.1



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

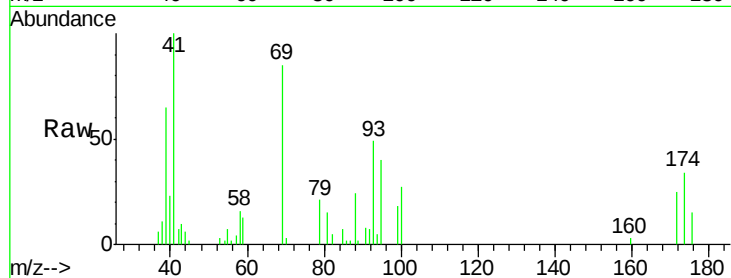




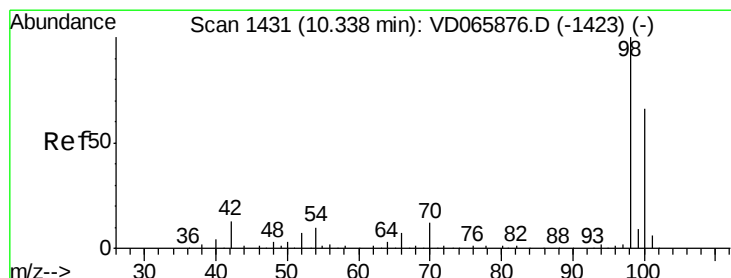
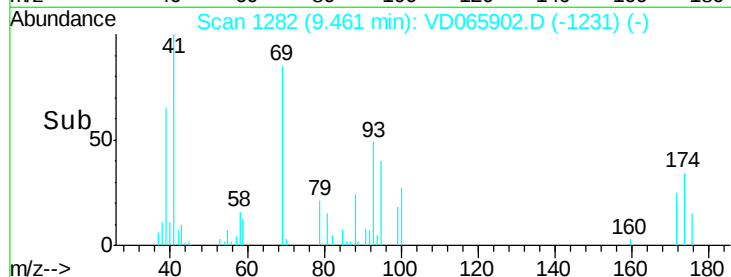
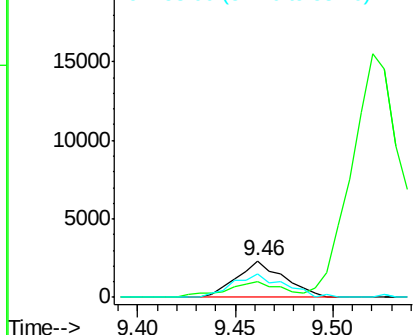
#49
1,4-Dioxane
Concen: 393.127 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

Tot Ion: 88 Resp: 3877
Ion Ratio Lower Upper
88 100
43 50.9 35.8 53.8
58 70.0 58.6 87.8

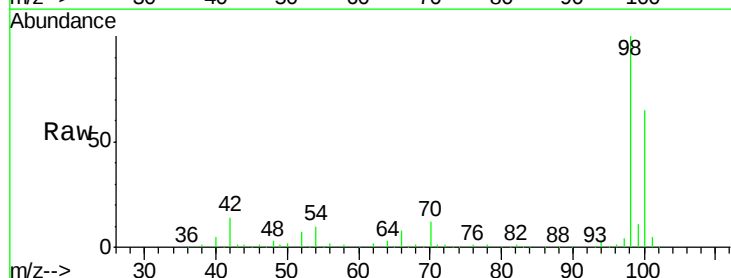


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

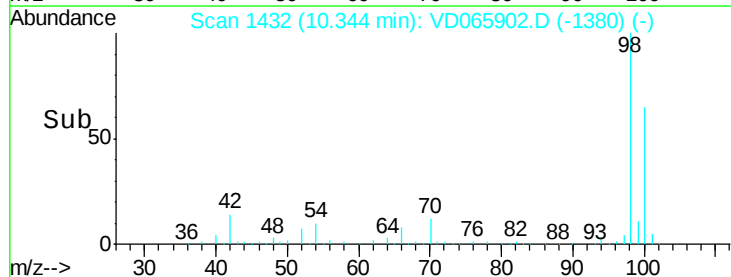
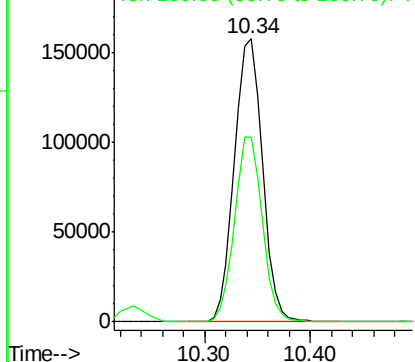


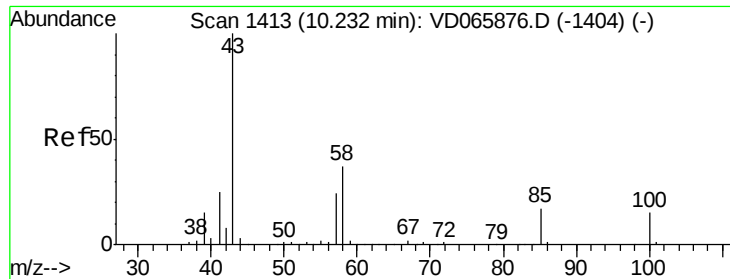
#50
Toluene-d8
Concen: 46.598 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 98 Resp: 290771
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



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: 102.122 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

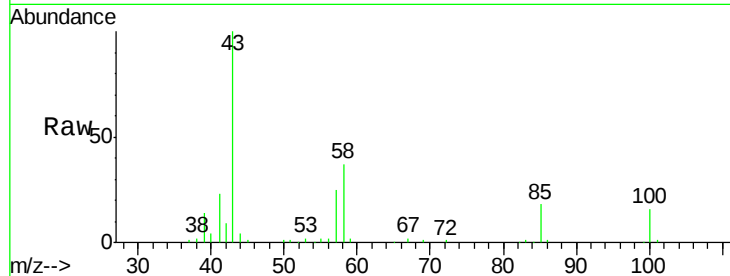
VD0701SBS01

Tot Ion: 43 Resp: 102069

Ion Ratio Lower Upper

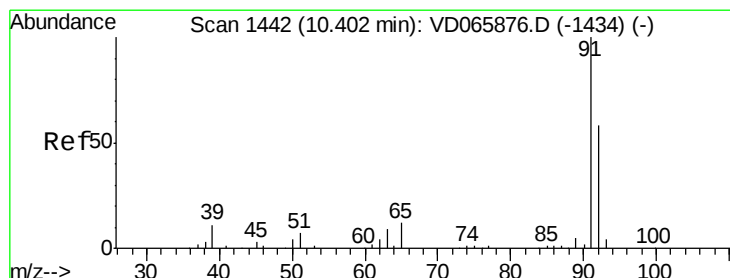
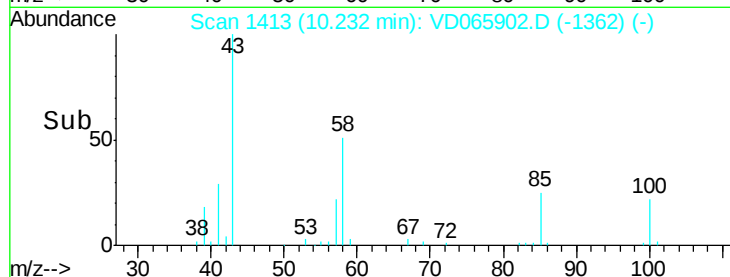
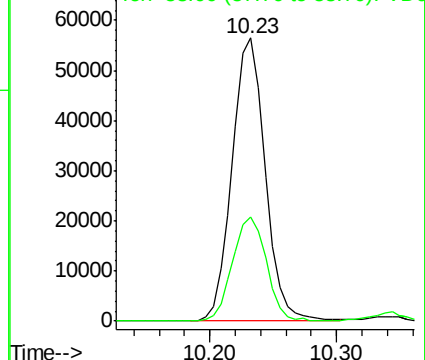
43 100

58 37.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.630 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD065902.D

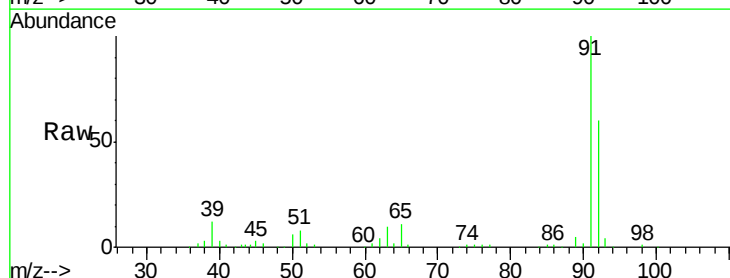
Acq: 01 Jul 2020 13:05

Tgt Ion: 92 Resp: 92664

Ion Ratio Lower Upper

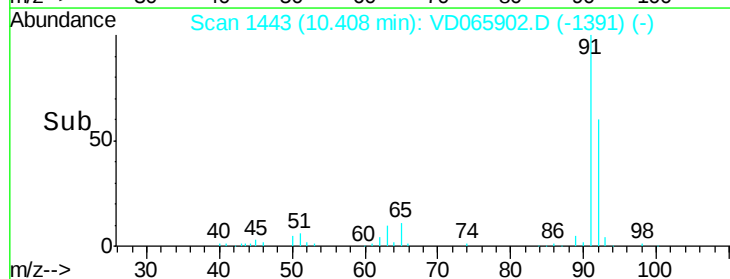
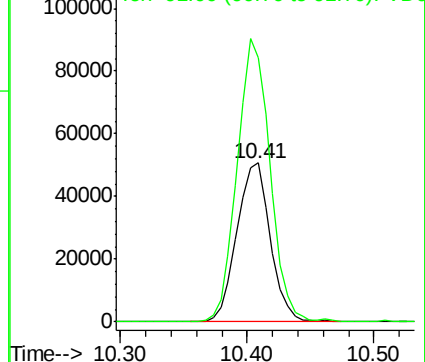
92 100

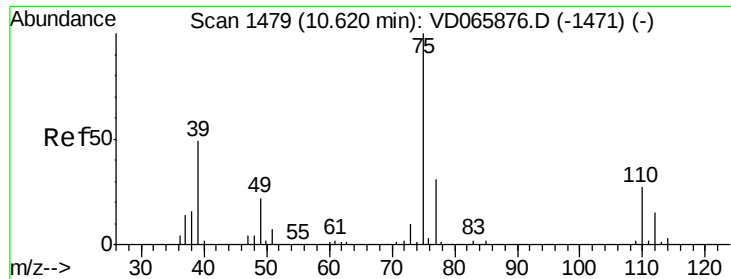
91 175.2 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

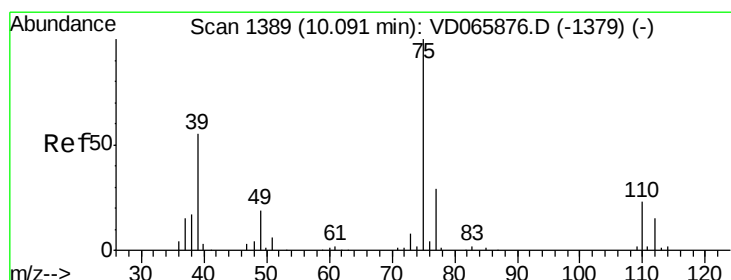
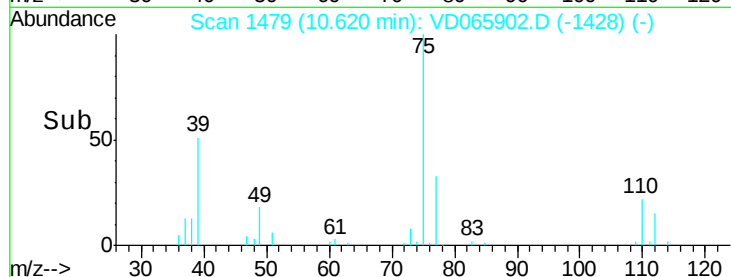
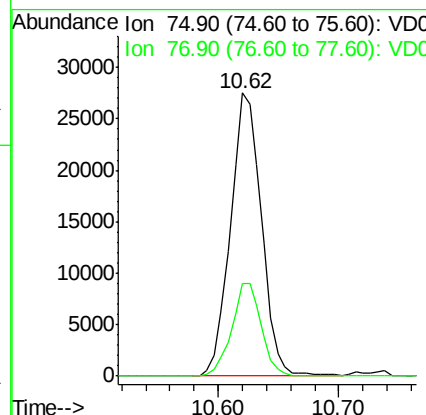
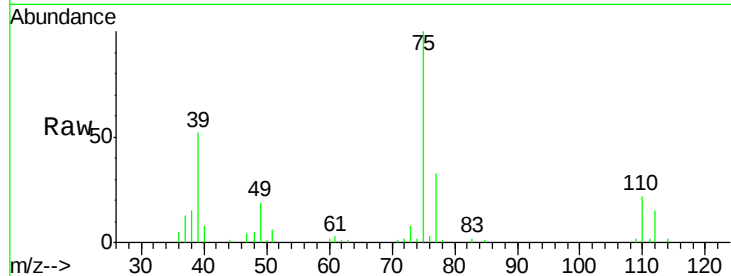




#53
 t-1,3-Dichloropropene
 Concen: 20.072 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

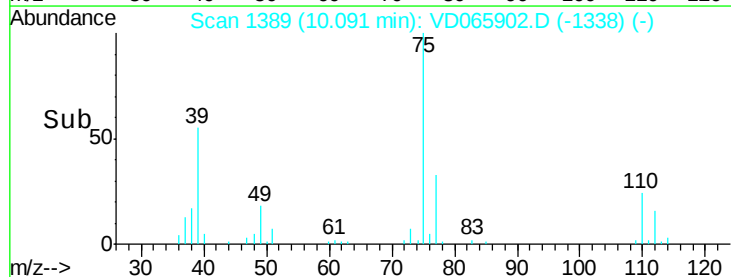
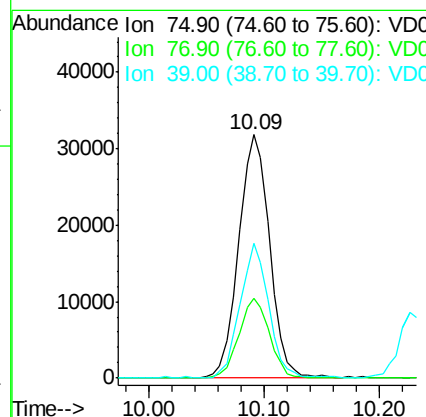
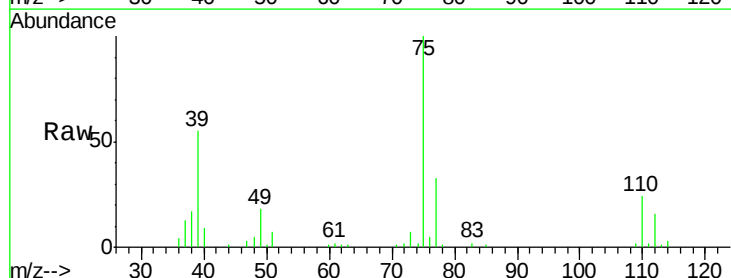
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

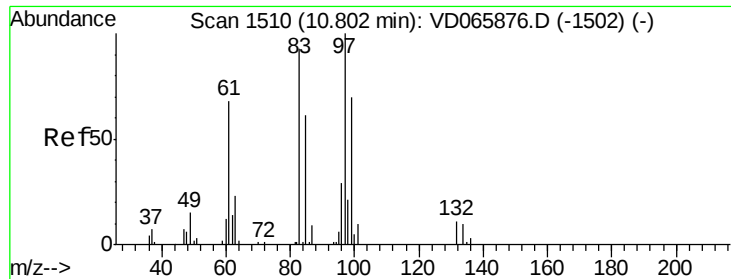
Tot Ion: 75 Resp: 49084
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.519 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

Tgt Ion: 75 Resp: 58919
 Ion Ratio Lower Upper
 75 100
 77 32.9 23.4 35.0
 39 55.3 43.9 65.9

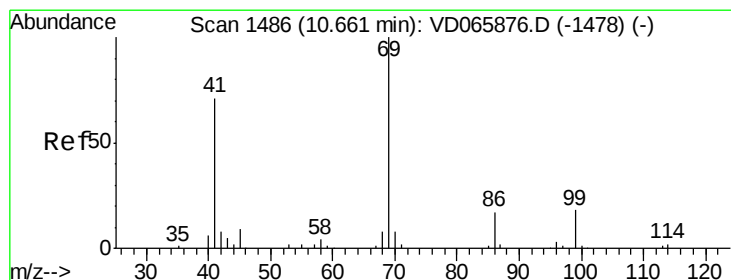
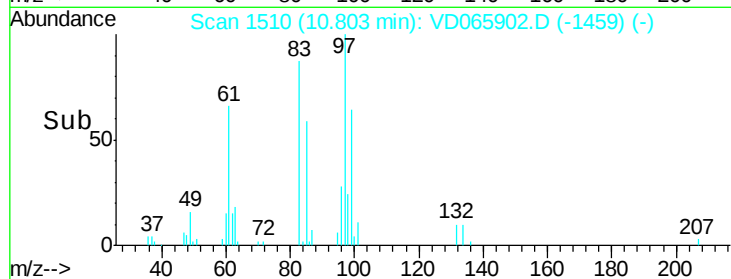
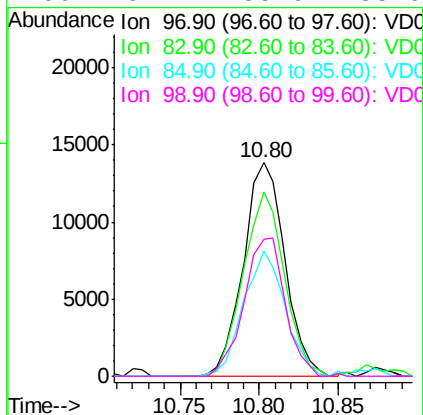
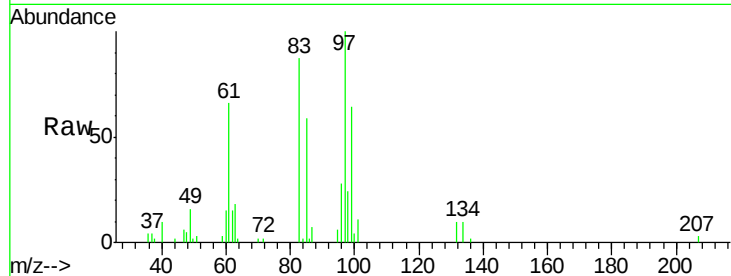




#55
 1,1,2-Trichloroethane
 Concen: 19.812 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

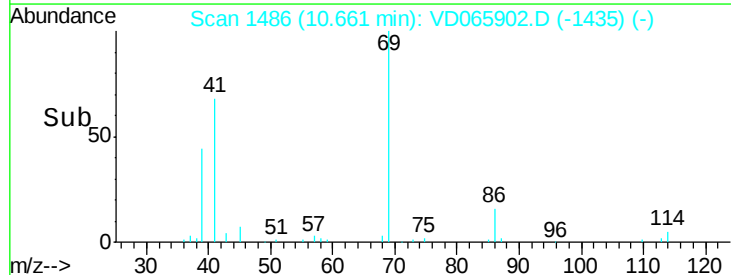
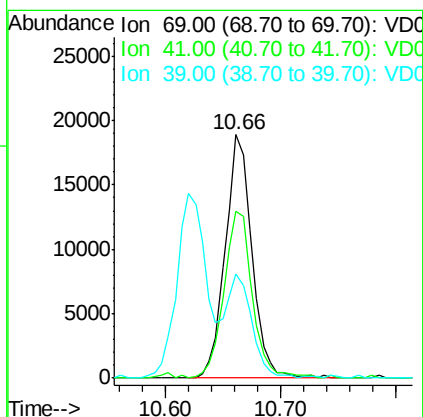
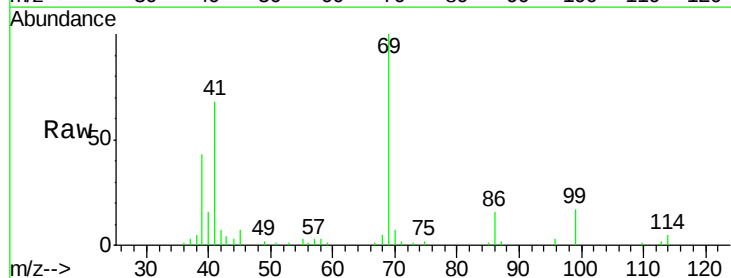
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

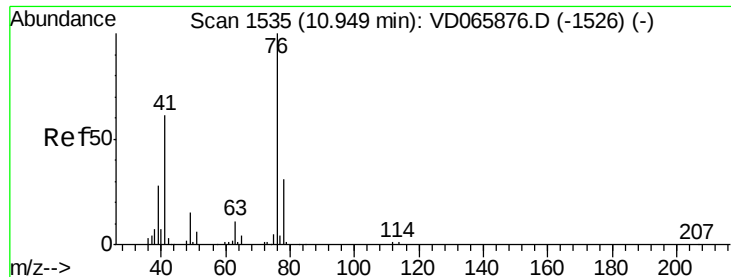
Tot Ion: 97 Resp: 25312
 Ion Ratio Lower Upper
 97 100
 83 86.5 74.2 111.4
 85 58.8 48.8 73.2
 99 64.1 55.9 83.9



#56
 Ethyl methacrylate
 Concen: 19.066 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

Tgt Ion: 69 Resp: 30246
 Ion Ratio Lower Upper
 69 100
 41 73.3 55.4 83.2
 39 42.7 33.0 49.4





#57

1,3-Dichloropropane

Concen: 20.163 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

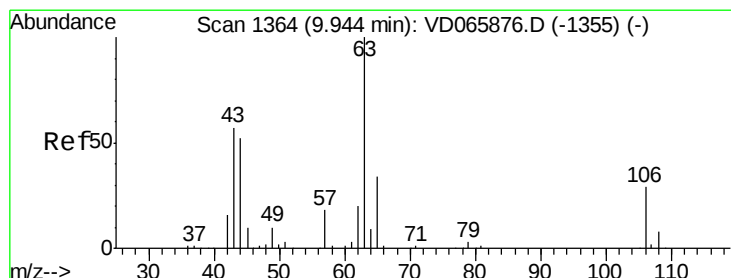
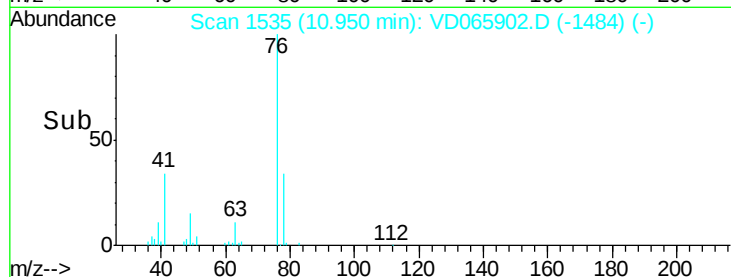
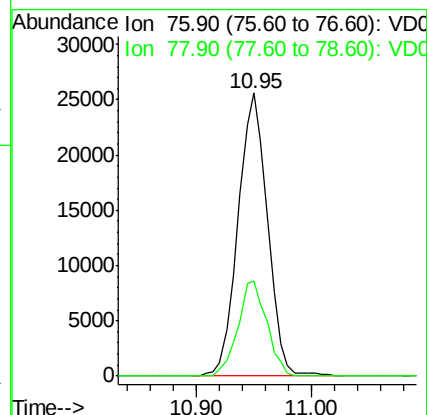
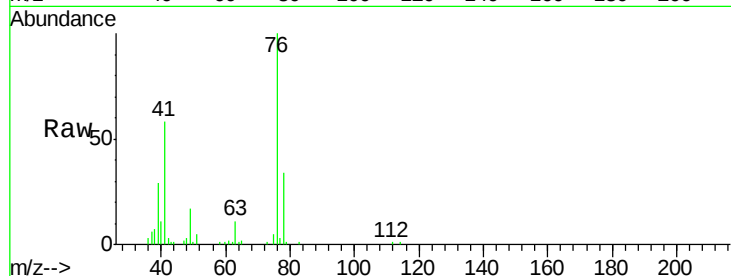
VD0701SBS01

Tot Ion: 76 Resp: 45188

Ion Ratio Lower Upper

76 100

78 32.9 25.1 37.7



#58

2-Chloroethyl Vinyl ether

Concen: 99.913 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065902.D

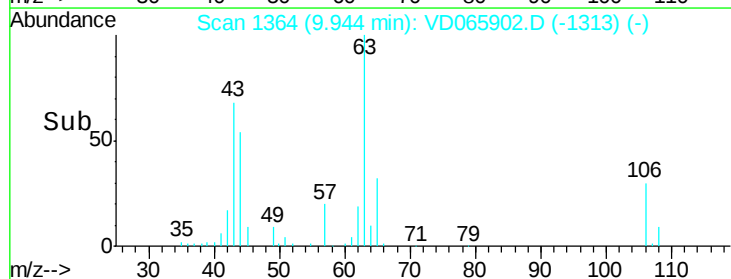
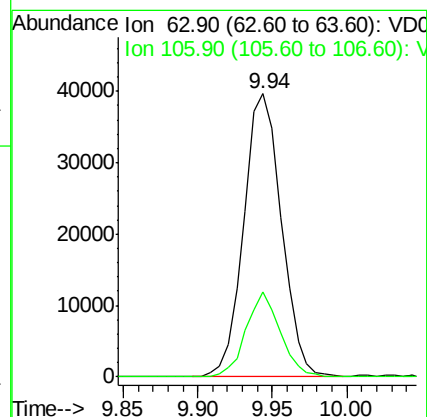
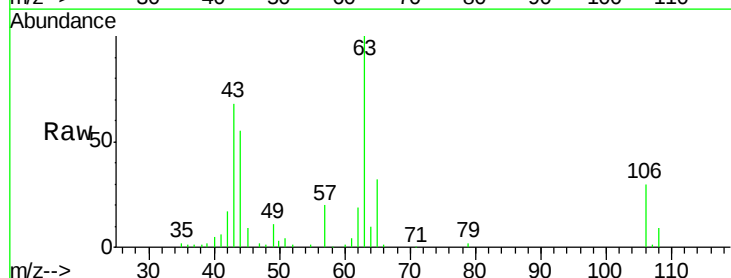
Acq: 01 Jul 2020 13:05

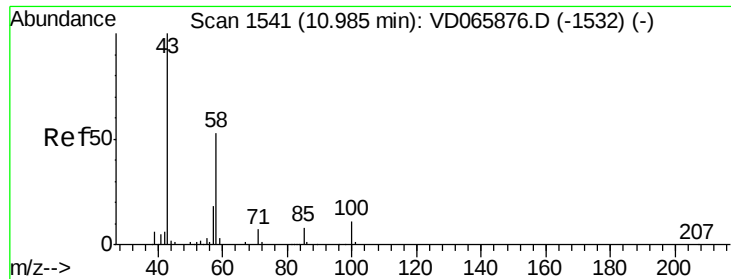
Tgt Ion: 63 Resp: 69476

Ion Ratio Lower Upper

63 100

106 27.1 22.6 34.0

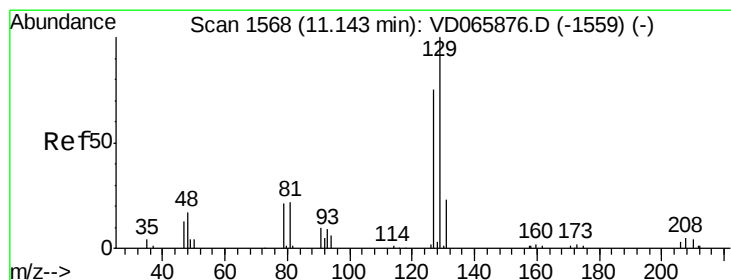
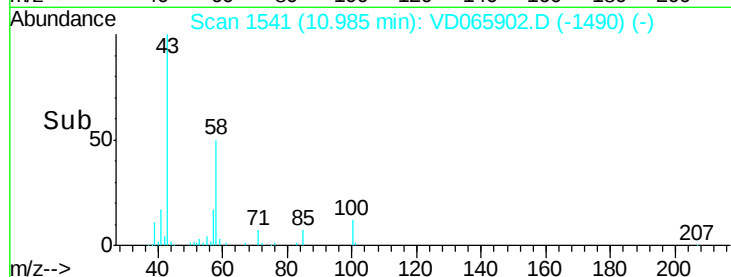
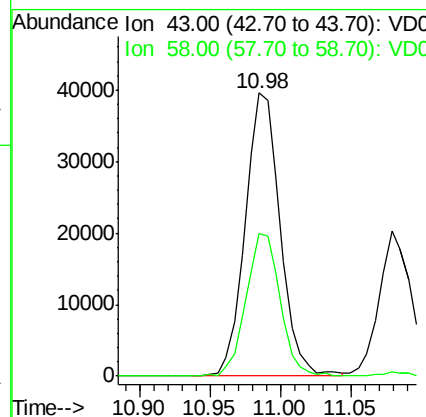
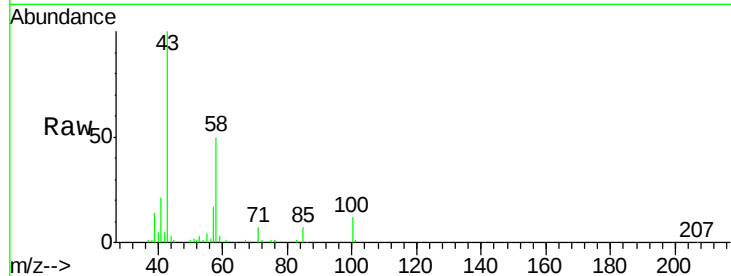




#59
2-Hexanone
Concen: 98.076 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

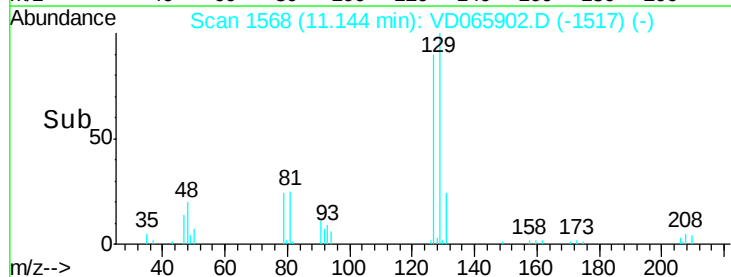
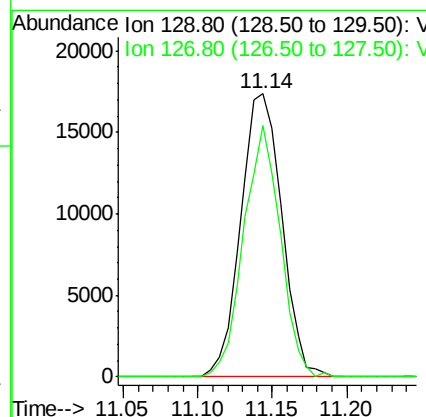
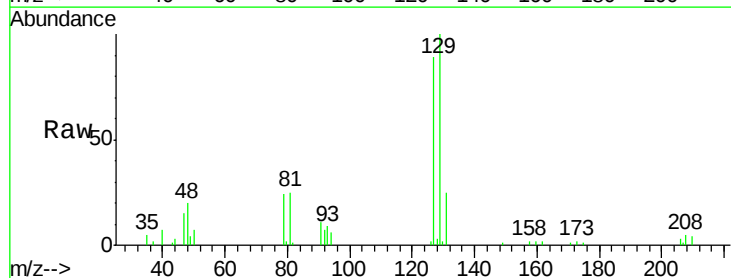
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

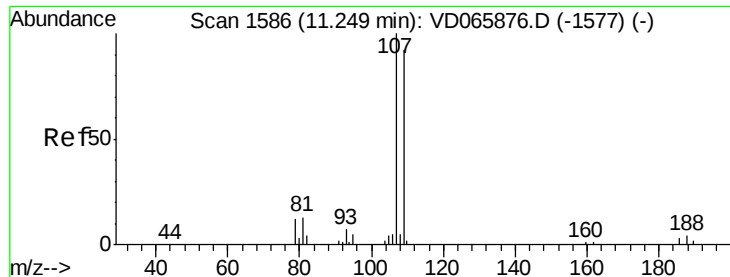
Tot Ion: 43 Resp: 68711
Ion Ratio Lower Upper
43 100
58 49.1 26.1 78.3



#60
Dibromochloromethane
Concen: 18.993 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 129 Resp: 33145
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.2

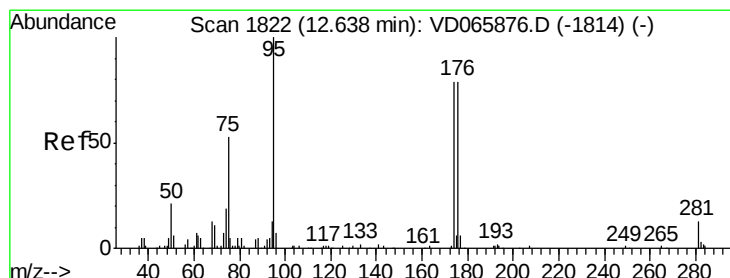
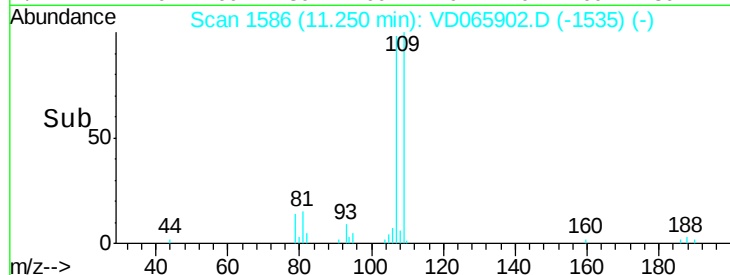
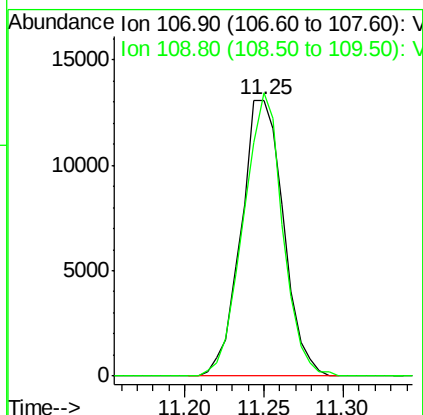
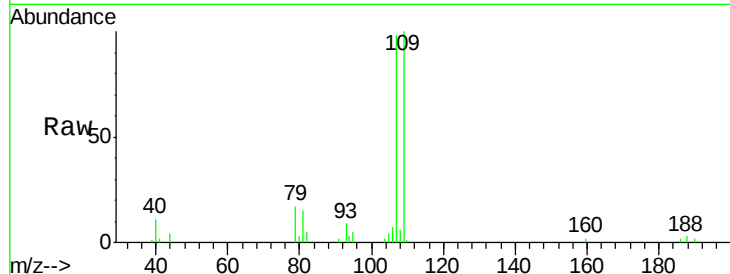




#61
 1,2-Dibromoethane
 Concen: 19.460 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

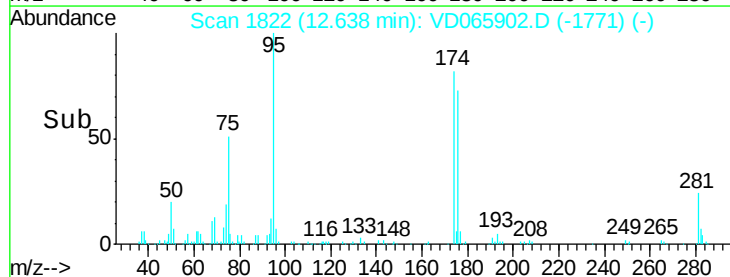
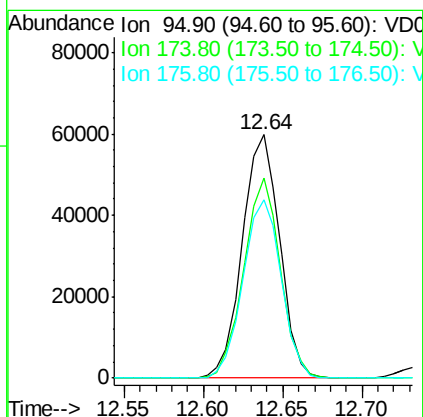
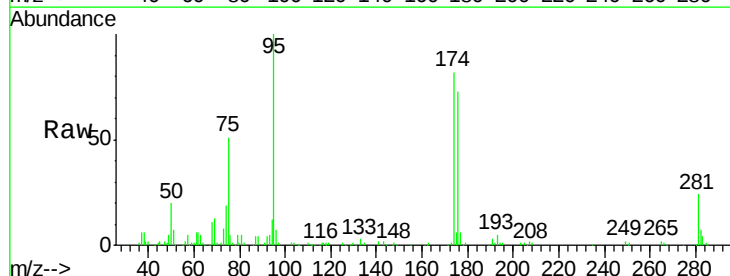
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

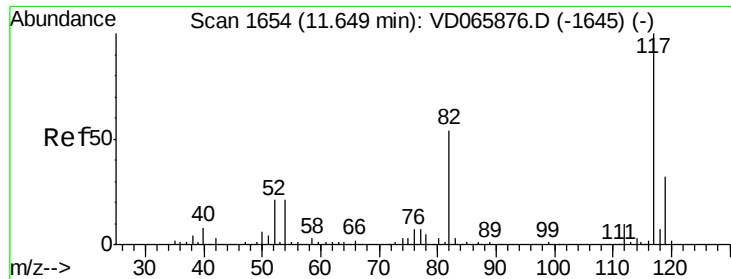
Tot Ion:107 Resp: 24334
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.008 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

Tgt Ion: 95 Resp: 98141
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 158.4
 176 74.9 0.0 156.0

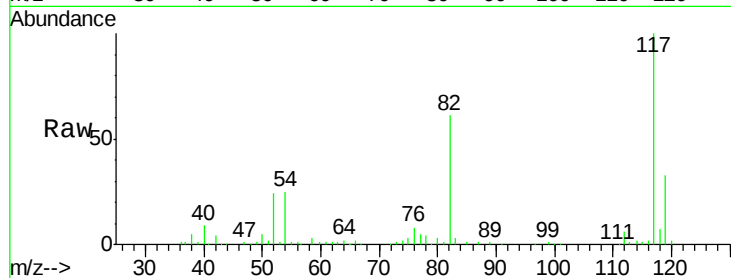




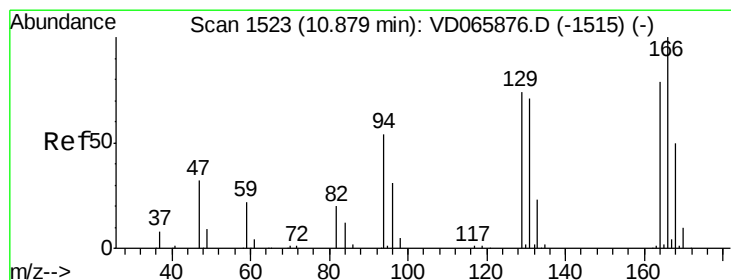
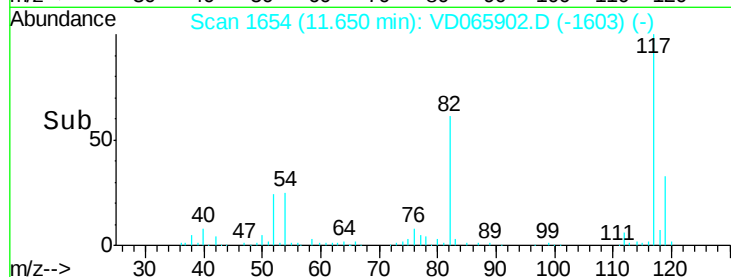
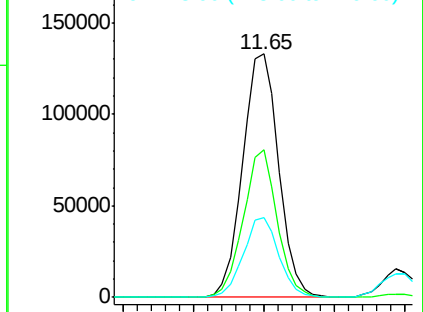
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

Tot Ion:117 Resp: 238240
Ion Ratio Lower Upper
117 100
82 60.6 43.6 65.4
119 32.9 25.9 38.9

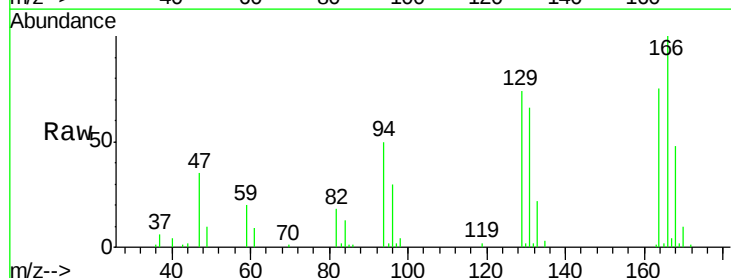


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

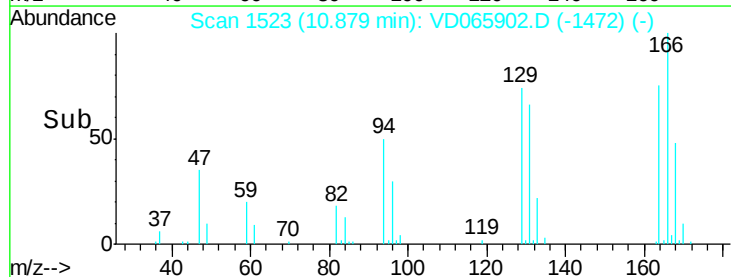
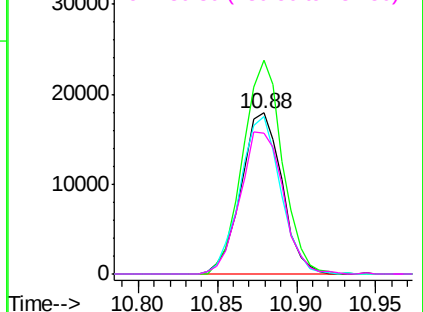


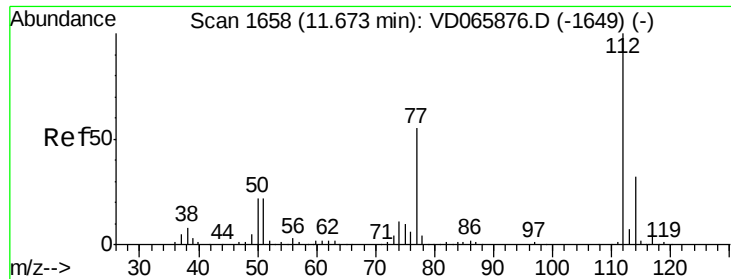
#64
Tetrachloroethene
Concen: 20.606 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion:164 Resp: 32057
Ion Ratio Lower Upper
164 100
166 132.5 101.3 151.9
129 97.8 74.5 111.7
131 87.0 72.2 108.4



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: 20.555 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

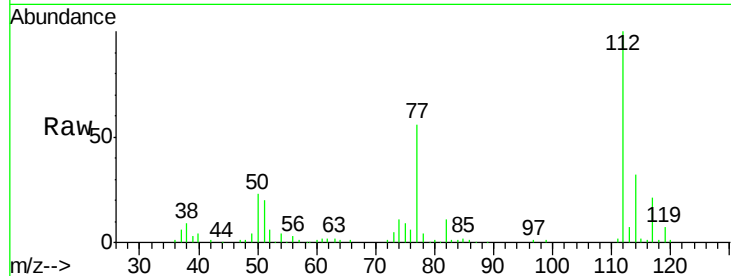
VD0701SBS01

Tot Ion:112 Resp: 97137

Ion Ratio Lower Upper

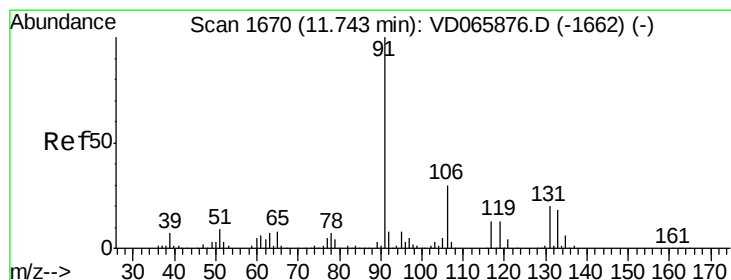
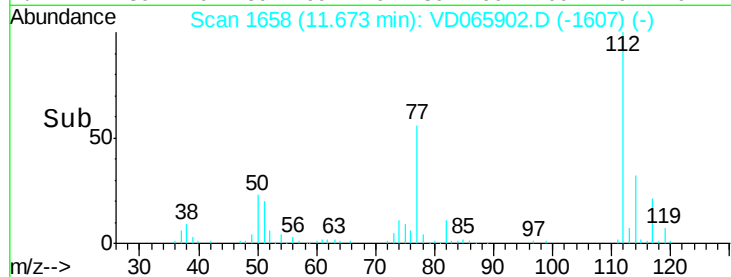
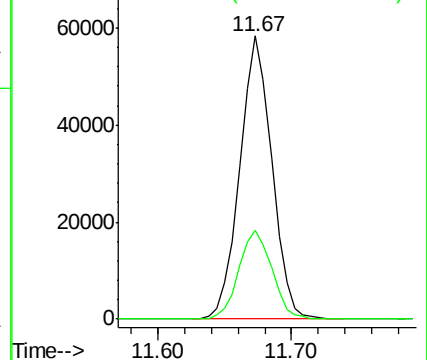
112 100

114 31.6 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.364 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

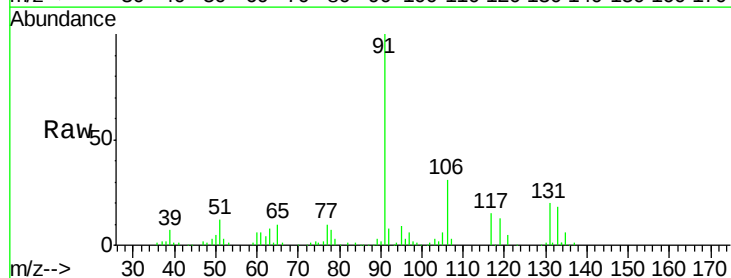
Tgt Ion:131 Resp: 35850

Ion Ratio Lower Upper

131 100

133 92.8 48.1 144.3

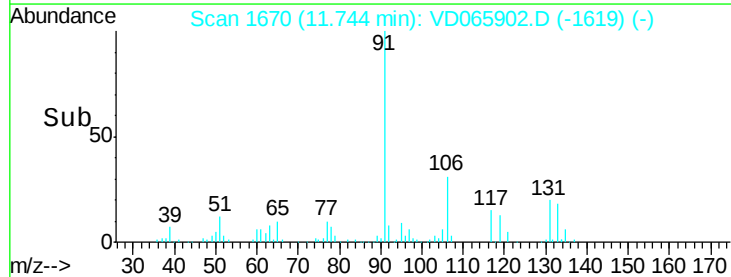
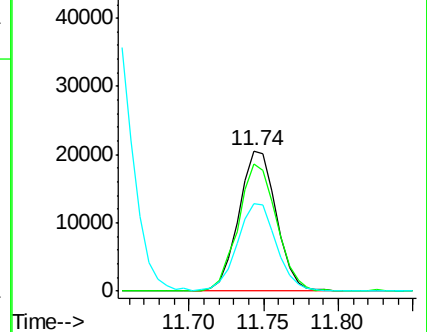
119 64.8 33.0 98.9

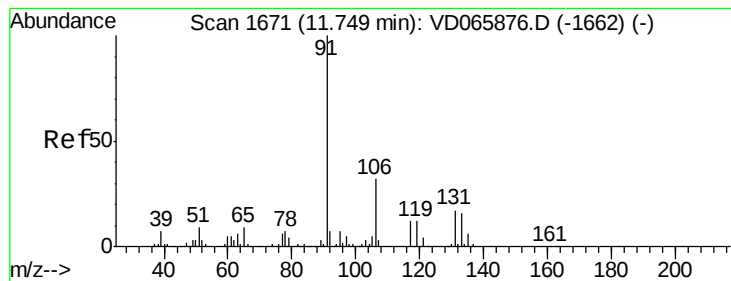


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.058 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

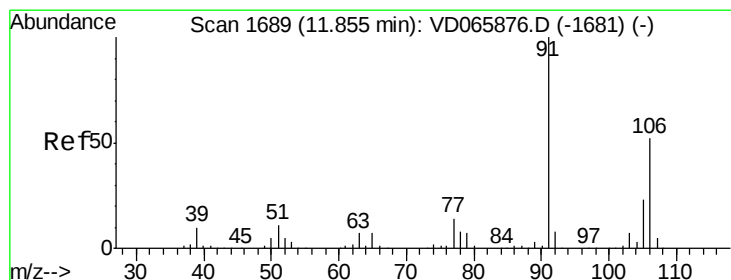
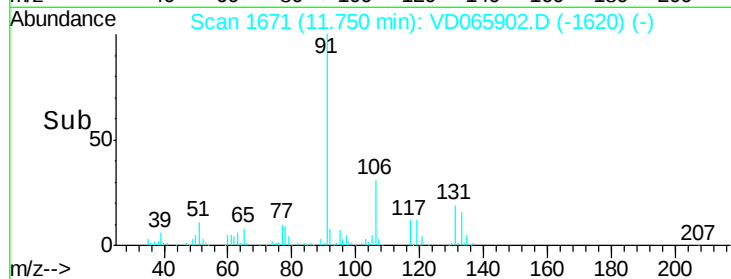
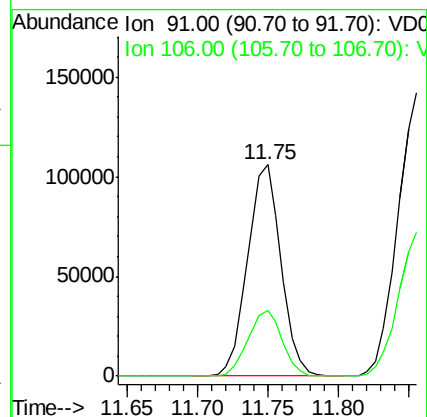
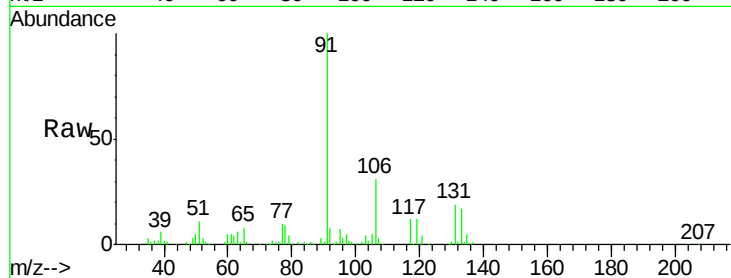
VD0701SBS01

Tot Ion: 91 Resp: 176045

Ion Ratio Lower Upper

91 100

106 31.1 25.3 37.9



#68

m/p-Xylenes

Concen: 40.761 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065902.D

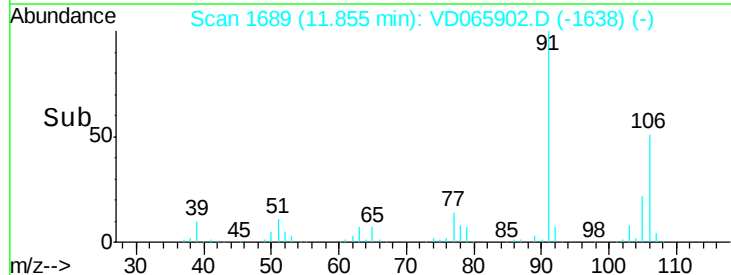
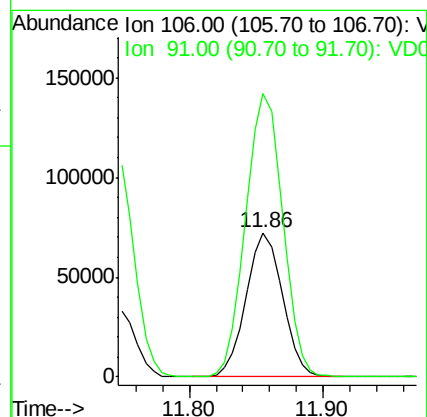
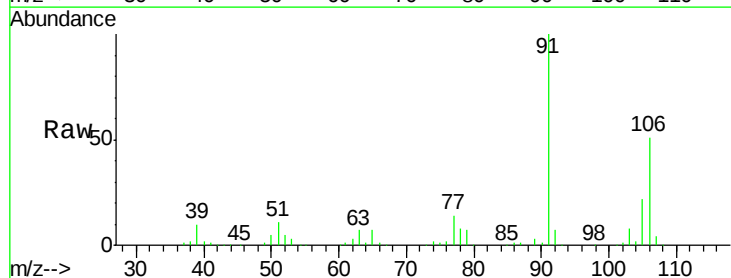
Acq: 01 Jul 2020 13:05

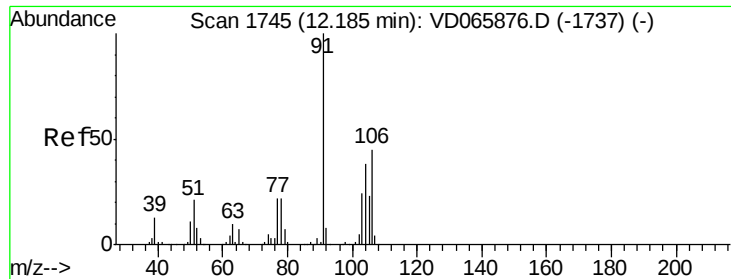
Tgt Ion: 106 Resp: 136208

Ion Ratio Lower Upper

106 100

91 200.8 159.5 239.3

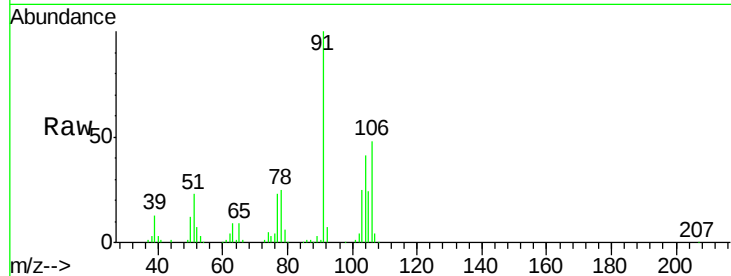




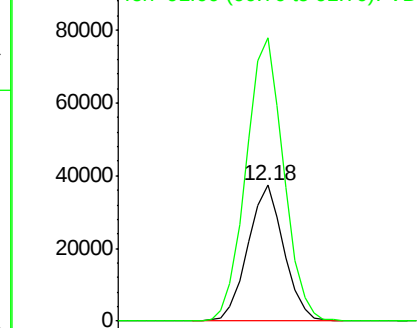
#69
o-Xylene
Concen: 19.622 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

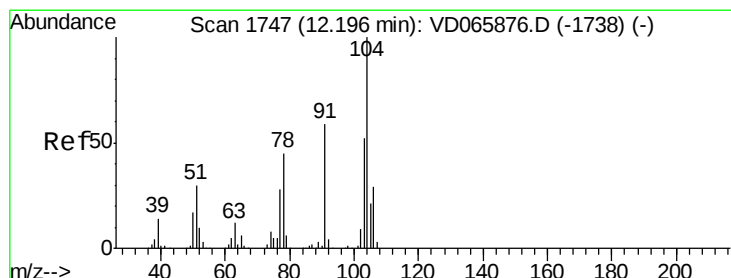
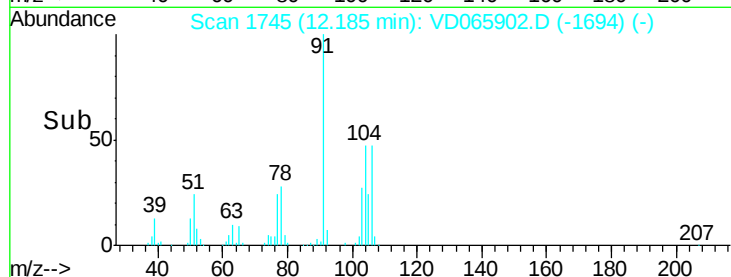
Tot Ion:106 Resp: 58922
Ion Ratio Lower Upper
106 100
91 217.3 107.5 322.6



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

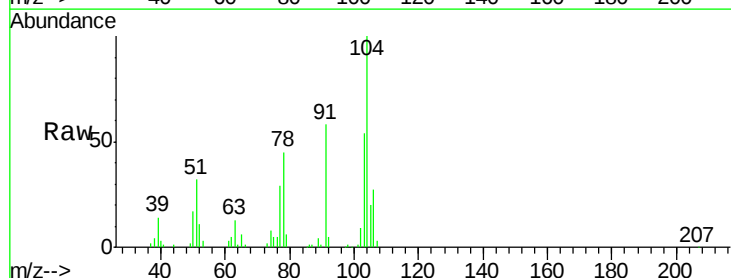


Time-->

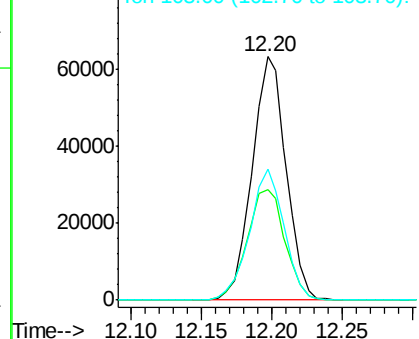


#70
Styrene
Concen: 20.419 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

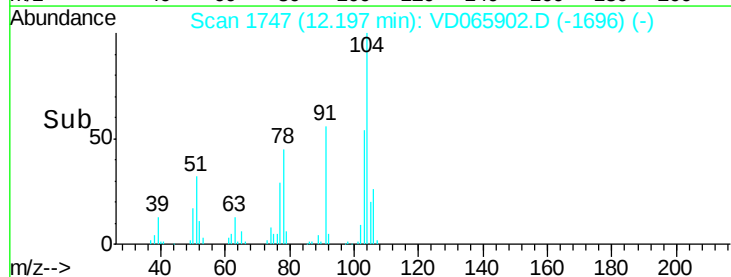
Tgt Ion:104 Resp: 107213
Ion Ratio Lower Upper
104 100
78 50.7 39.8 59.6
103 54.6 44.6 66.8

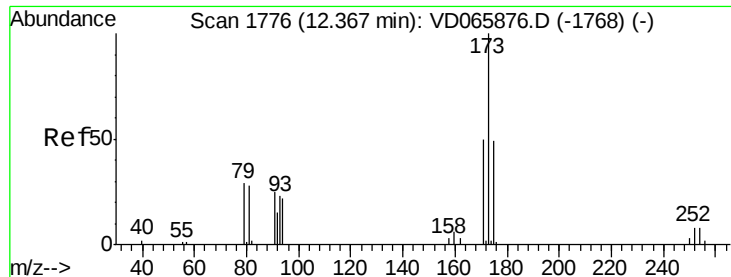


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time-->

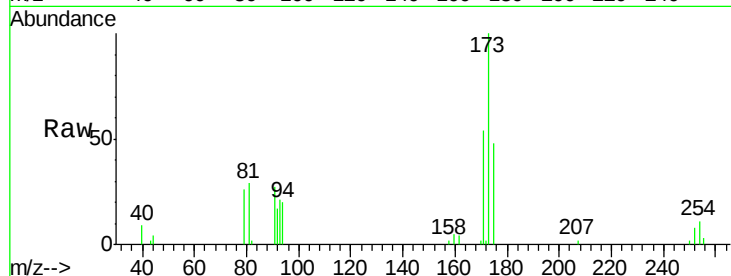




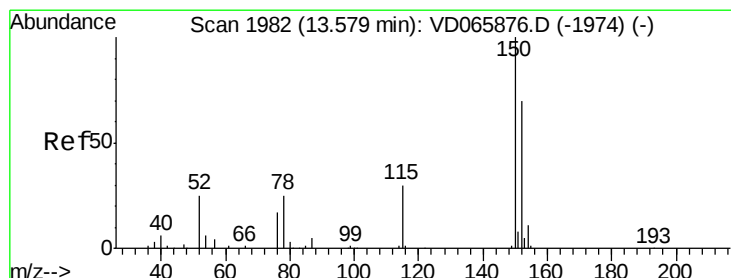
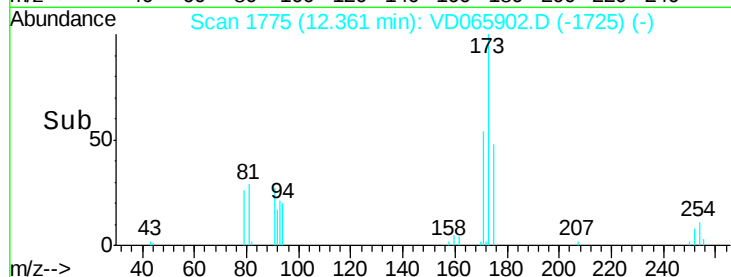
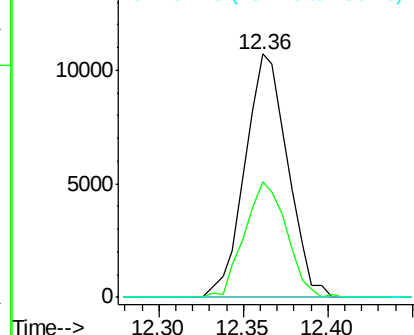
#71
Bromoform
Concen: 20.119 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

Tot Ion:173 Resp: 18809
Ion Ratio Lower Upper
173 100
175 46.9 23.9 71.8
254 0.0 0.0 0.0

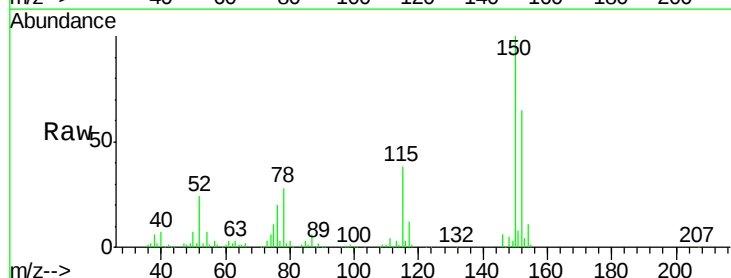


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

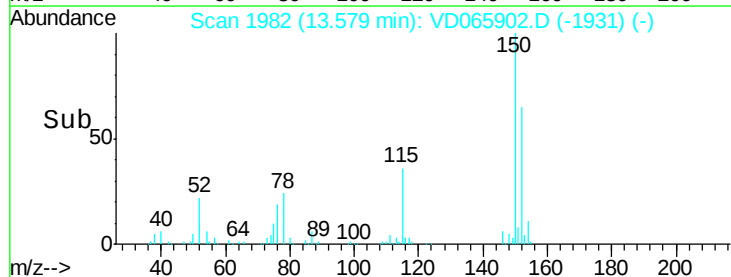
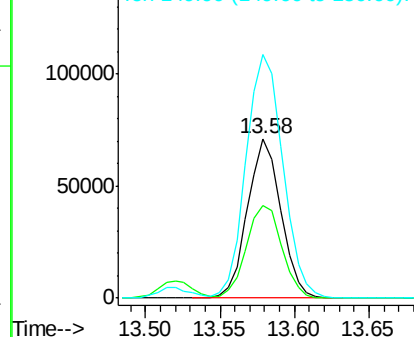


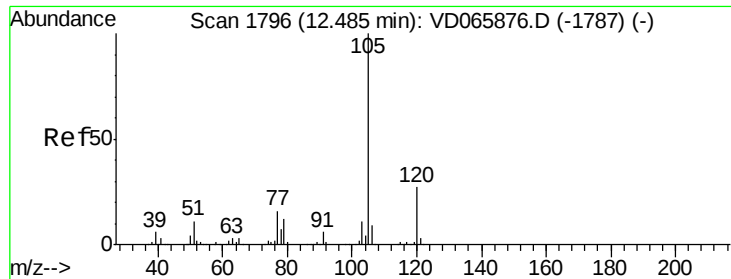
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion:152 Resp: 109990
Ion Ratio Lower Upper
152 100
115 61.9 29.7 89.1
150 168.6 0.0 346.2



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





#73

Isopropylbenzene

Concen: 21.386 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

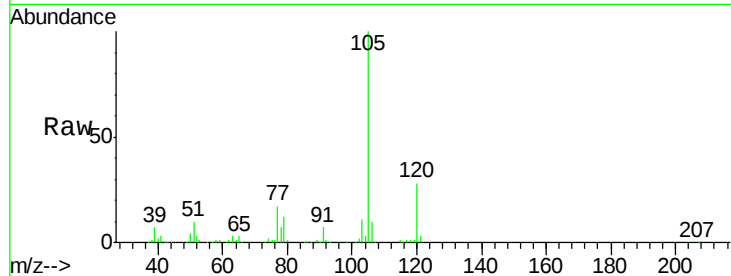
VD0701SBS01

Tot Ion:105 Resp: 168475

Ion Ratio Lower Upper

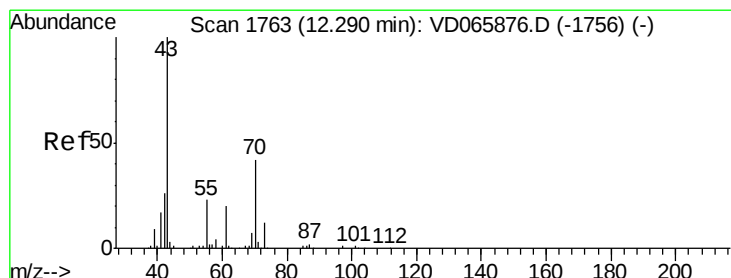
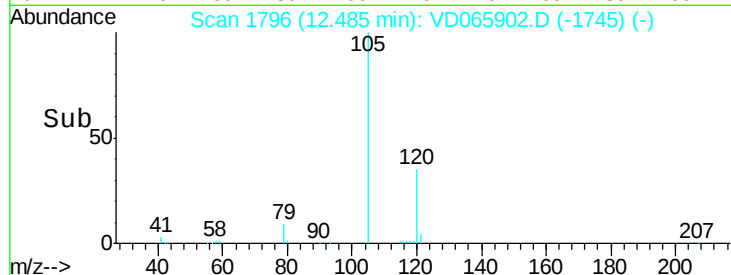
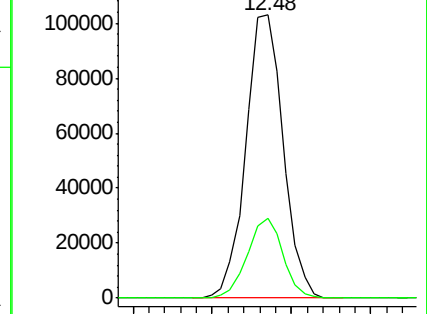
105 100

120 27.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.996 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Tgt Ion: 43 Resp: 36544

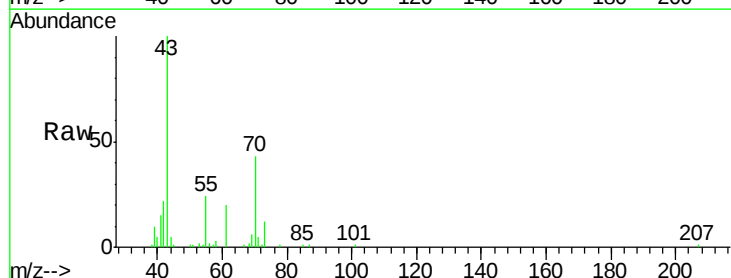
Ion Ratio Lower Upper

43 100

70 39.5 32.5 48.7

55 24.7 18.7 28.1

61 21.9 16.7 25.1

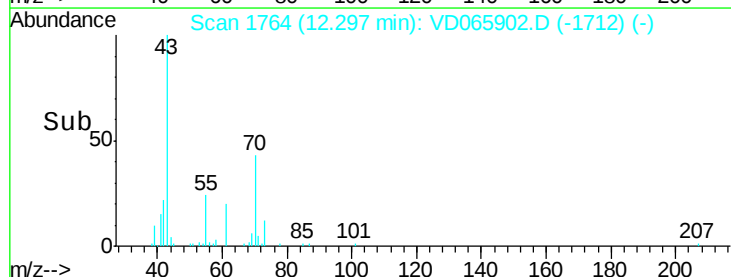
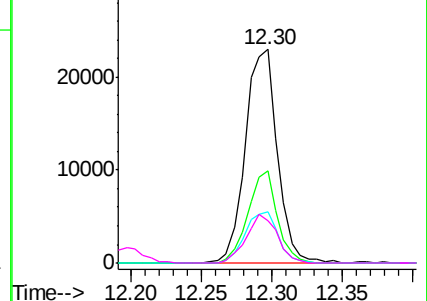


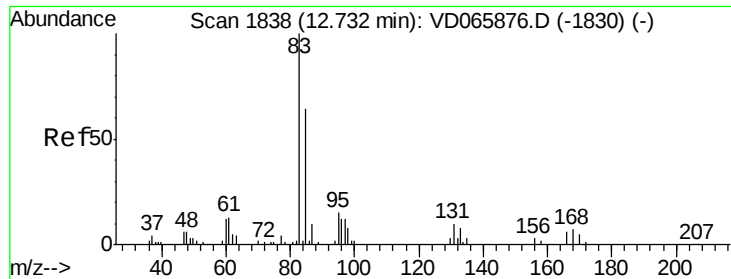
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.794 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

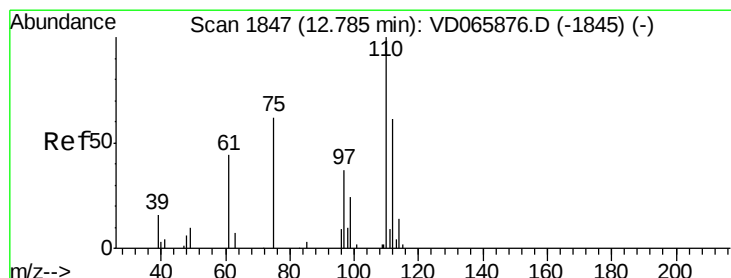
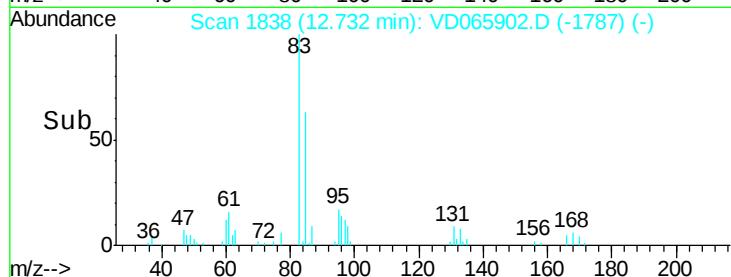
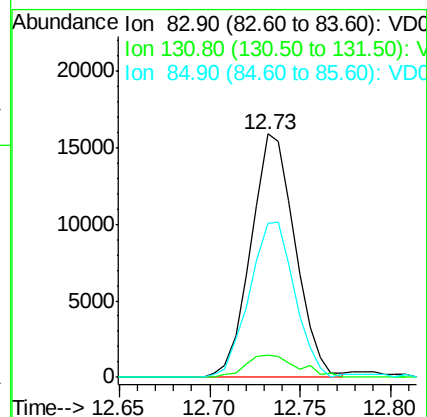
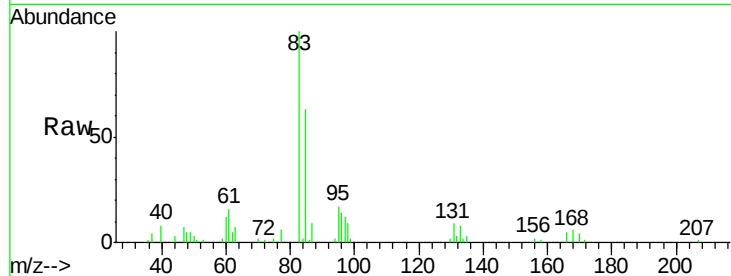
Tot Ion: 83 Resp: 26964

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

85 65.2 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 37.881 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD065902.D

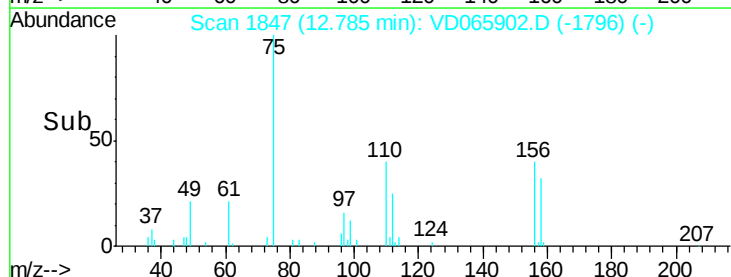
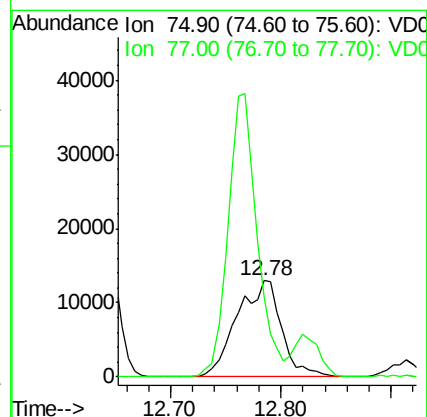
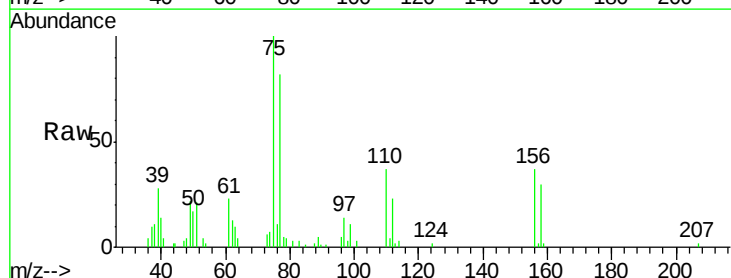
Acq: 01 Jul 2020 13:05

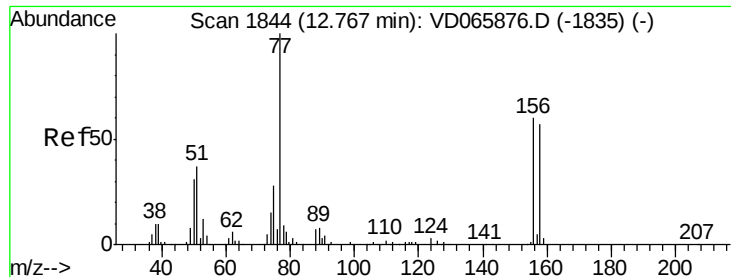
Tgt Ion: 75 Resp: 36458

Ion Ratio Lower Upper

75 100

77 192.8 168.5 505.5





#77

Bromobenzene

Concen: 21.405 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

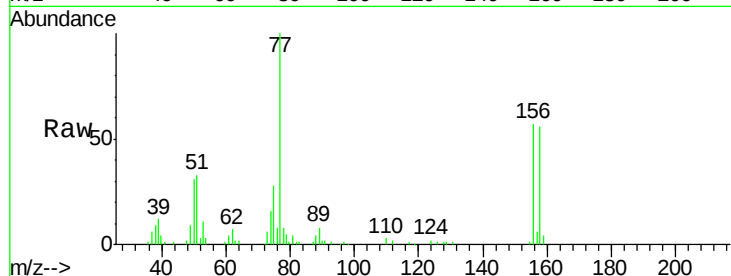
Tot Ion:156 Resp: 37912

Ion Ratio Lower Upper

156 100

77 185.4 90.5 271.5

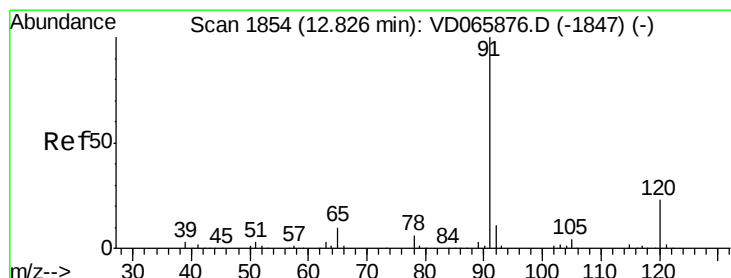
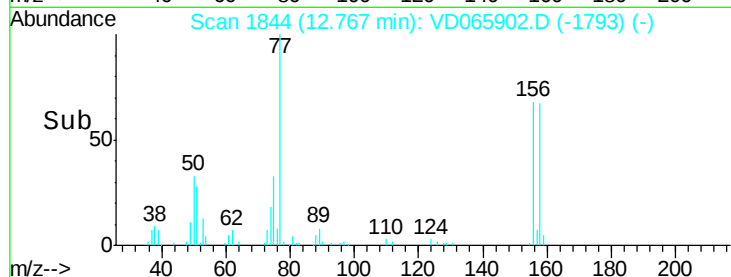
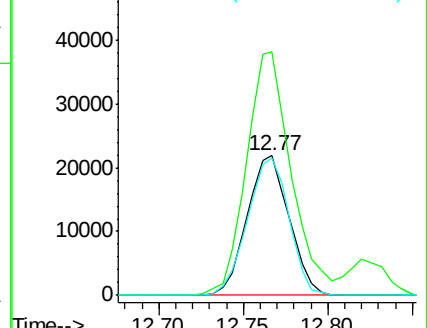
158 96.8 48.2 144.6



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: 21.701 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065902.D

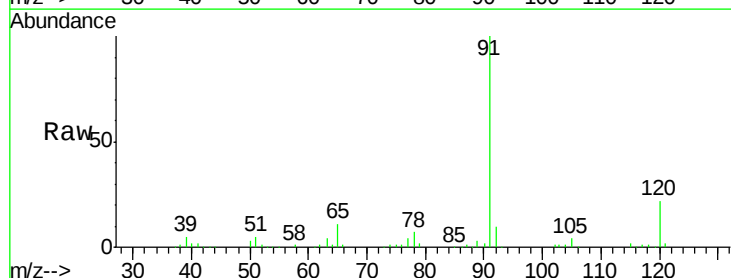
Acq: 01 Jul 2020 13:05

Tgt Ion: 91 Resp: 205961

Ion Ratio Lower Upper

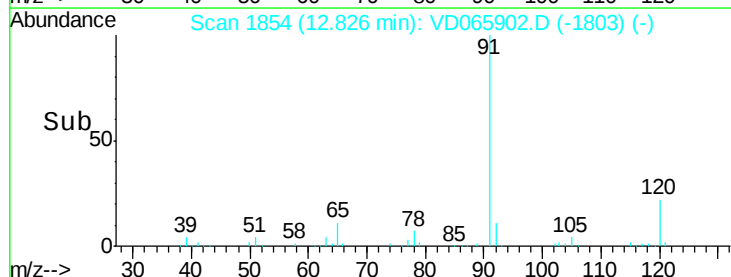
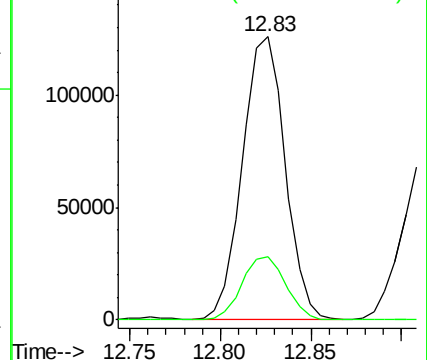
91 100

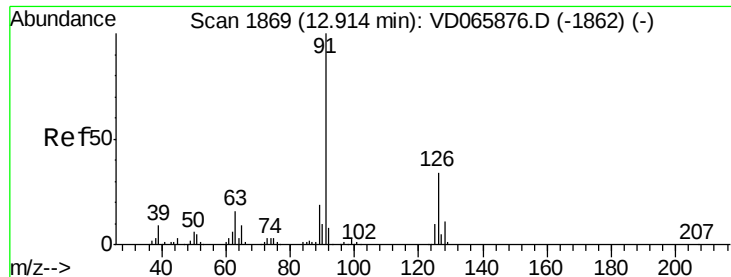
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.690 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD065902.D

Acq: 01 Jul 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

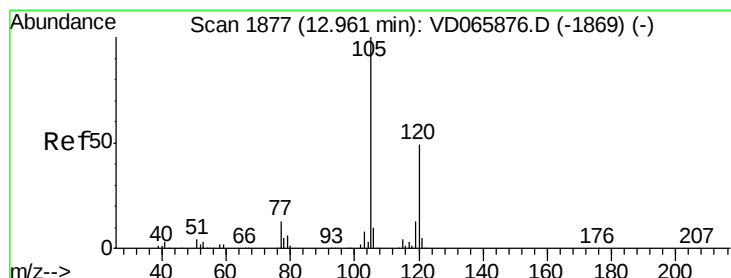
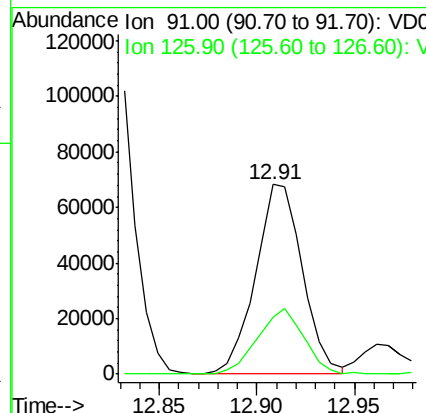
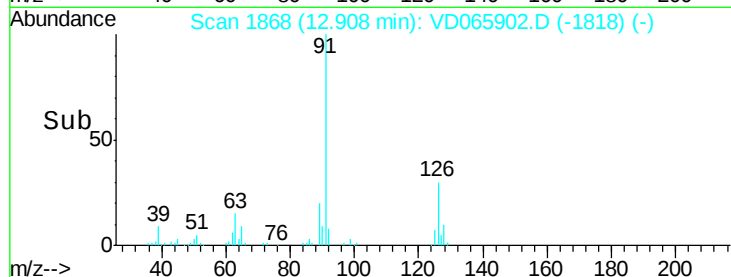
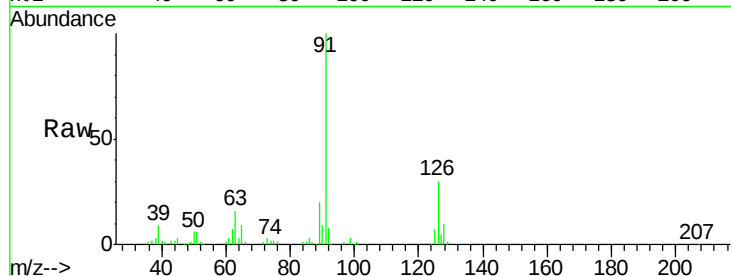
VD0701SBS01

Tot Ion: 91 Resp: 113386

Ion Ratio Lower Upper

91 100

126 34.2 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 21.243 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065902.D

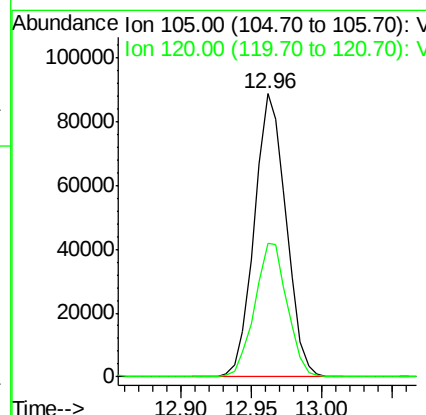
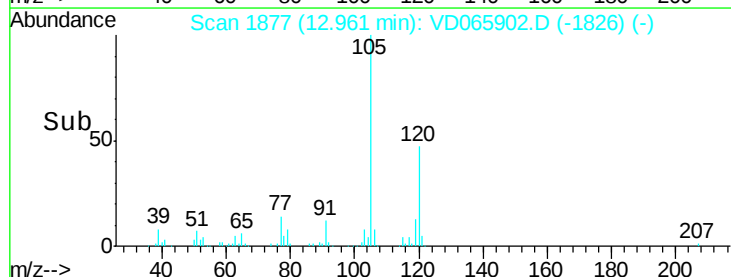
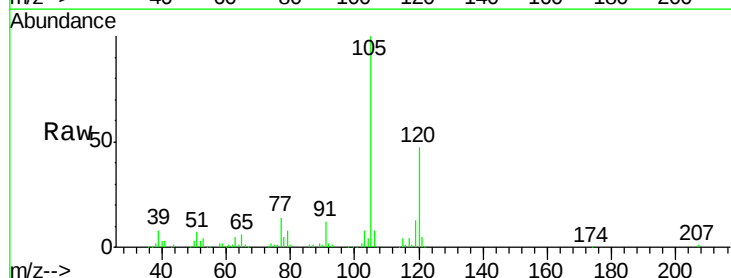
Acq: 01 Jul 2020 13:05

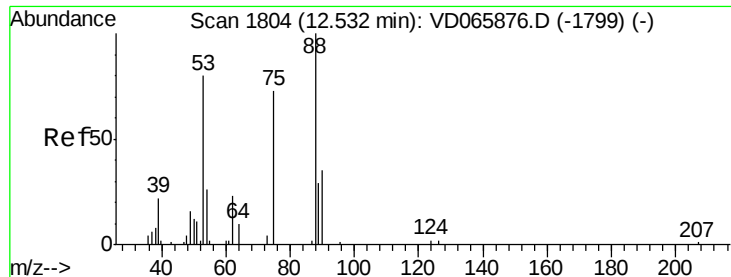
Tgt Ion: 105 Resp: 139897

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8

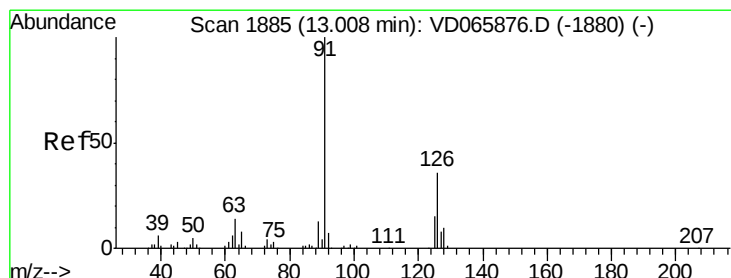
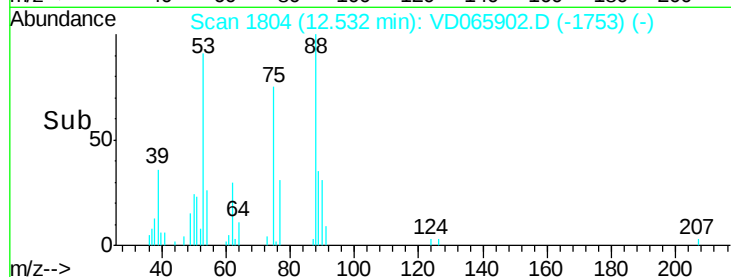
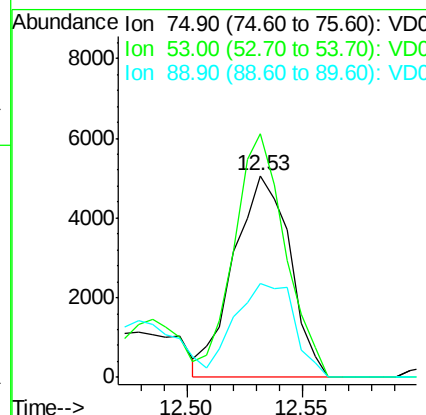
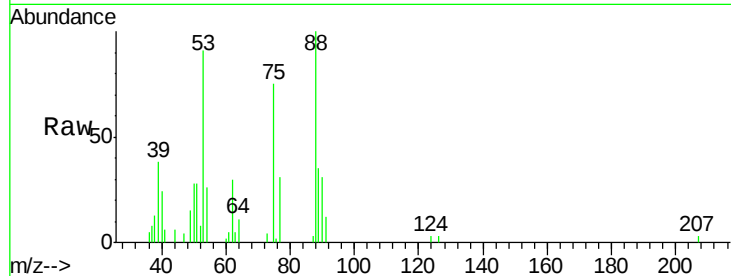




#81
trans-1,4-Dichloro-2-butene
Concen: 19.166 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

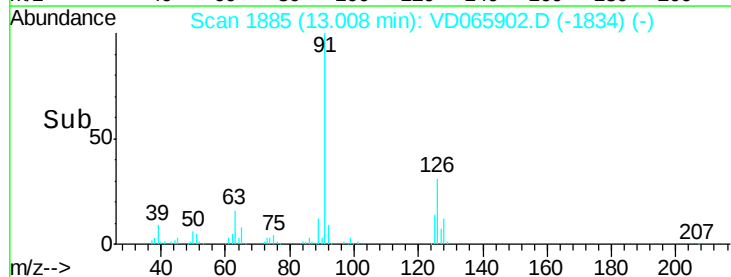
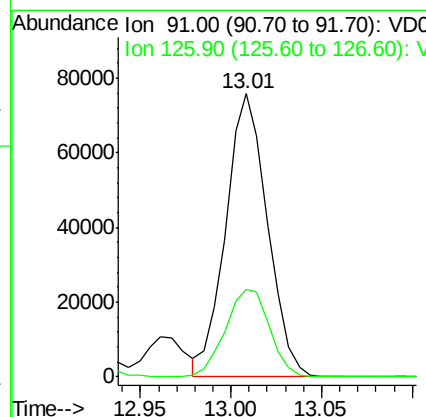
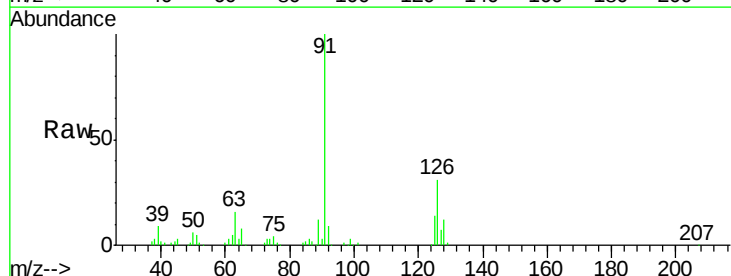
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

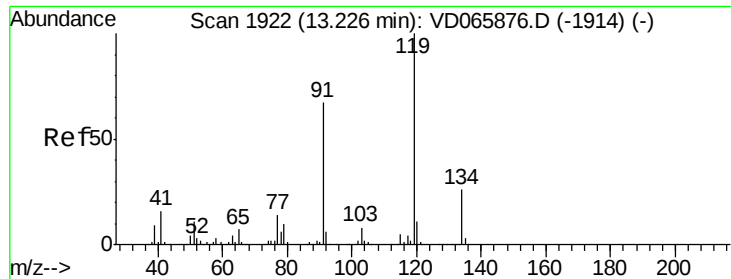
Tot Ion: 75 Resp: 8586
Ion Ratio Lower Upper
75 100
53 110.1 80.6 121.0
89 49.3 36.5 54.7



#82
4-Chlorotoluene
Concen: 21.596 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 91 Resp: 120644
Ion Ratio Lower Upper
91 100
126 32.7 16.6 49.8

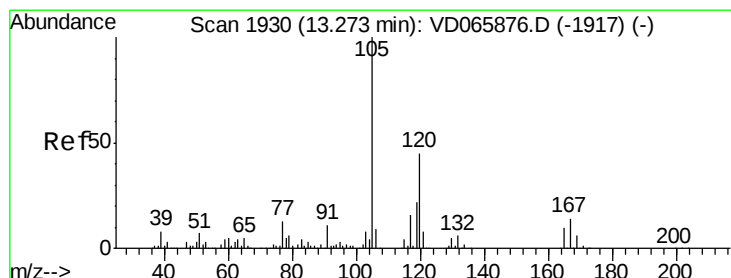
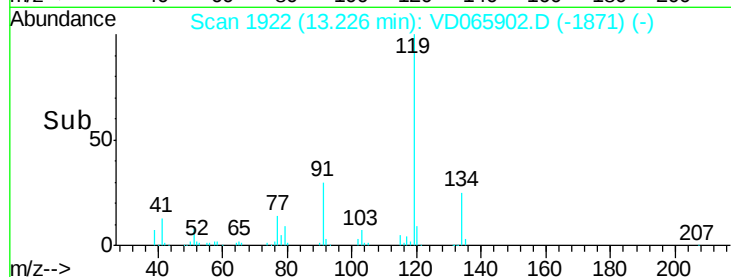
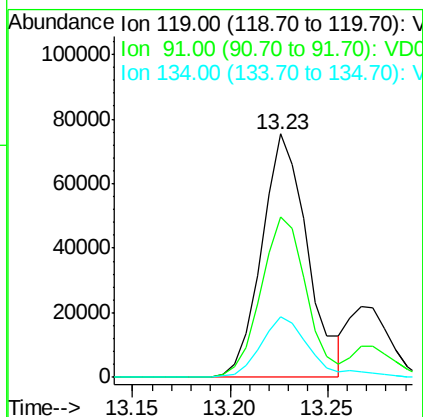
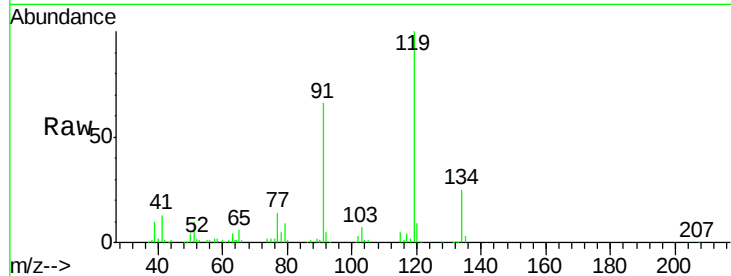




#83
tert-Butylbenzene
Concen: 22.083 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

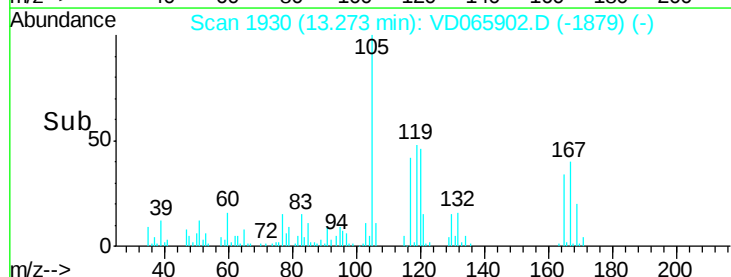
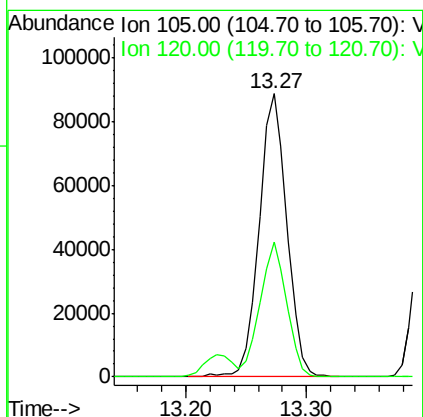
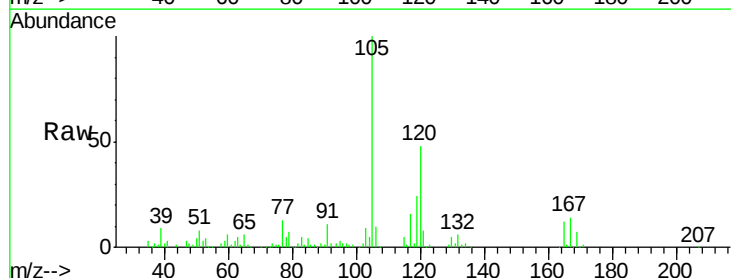
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

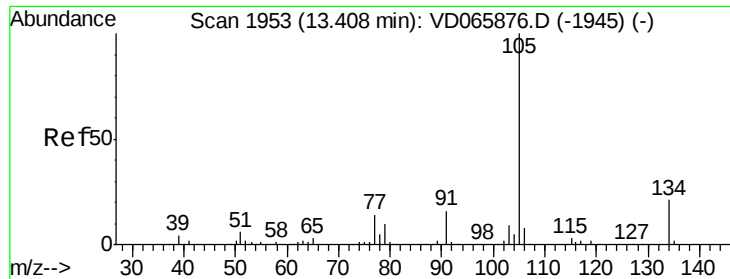
Tot Ion:119 Resp: 122388
Ion Ratio Lower Upper
119 100
91 65.5 32.2 96.6
134 26.9 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 21.679 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion:105 Resp: 140635
Ion Ratio Lower Upper
105 100
120 46.1 23.0 69.0

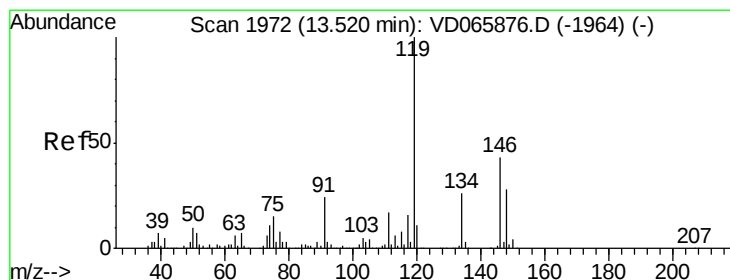
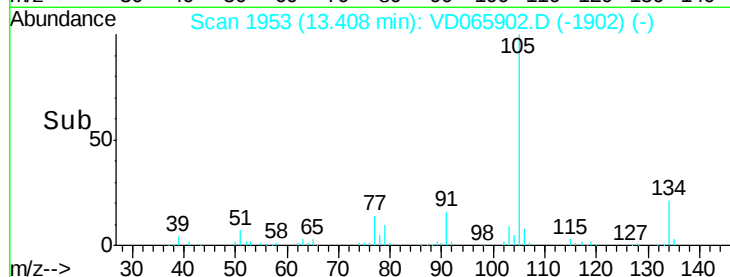
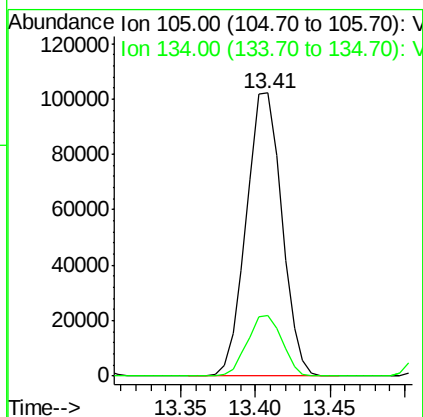
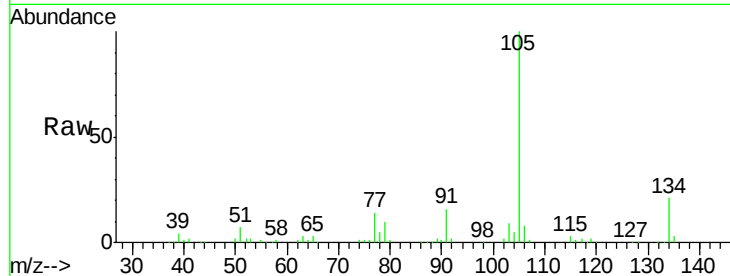




#85
 sec-Butylbenzene
 Concen: 21.374 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

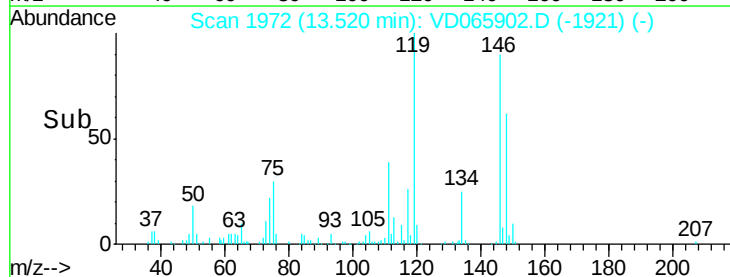
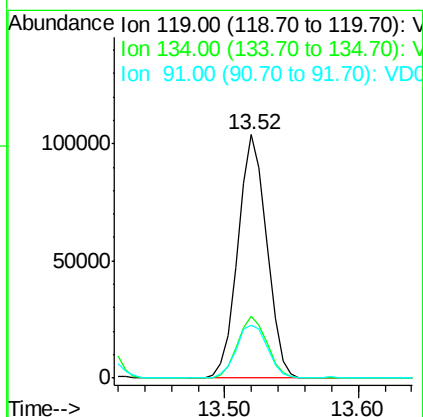
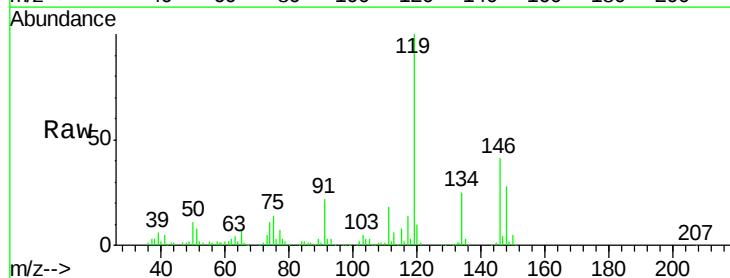
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

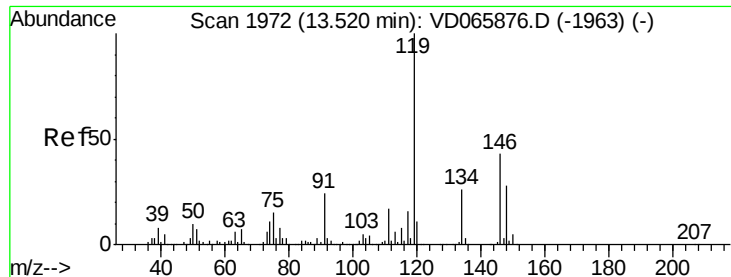
Tot Ion:105 Resp: 168810
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 21.626 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

Tgt Ion:119 Resp: 155141
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.4 40.1
 91 23.9 12.0 36.1

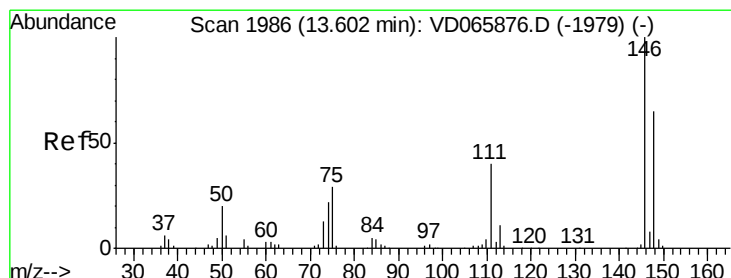
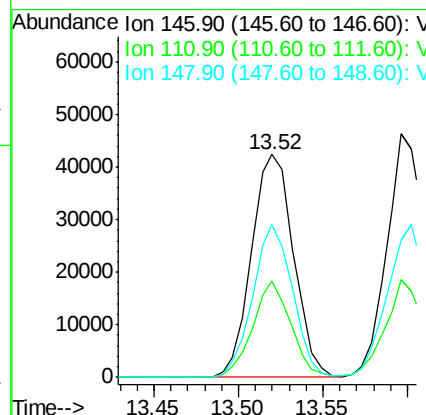
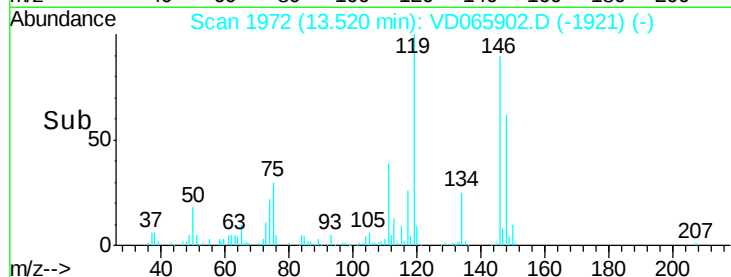
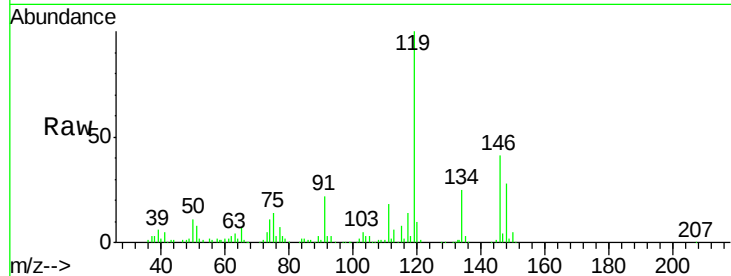




#87
 1,3-Dichlorobenzene
 Concen: 21.308 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

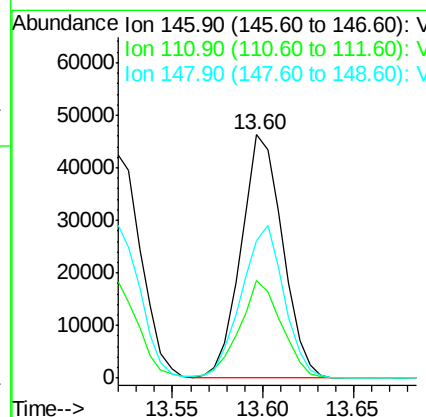
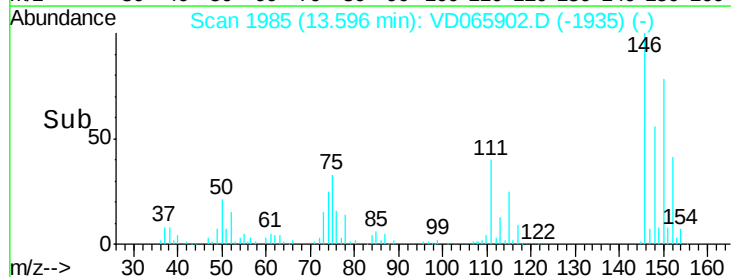
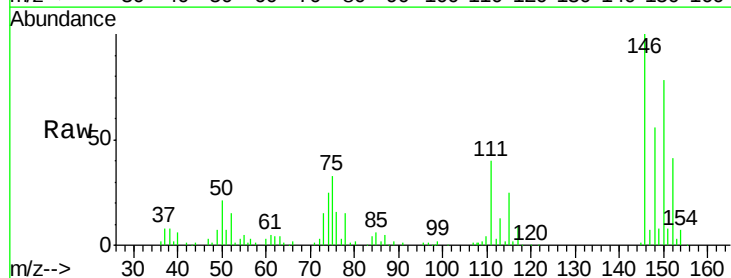
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

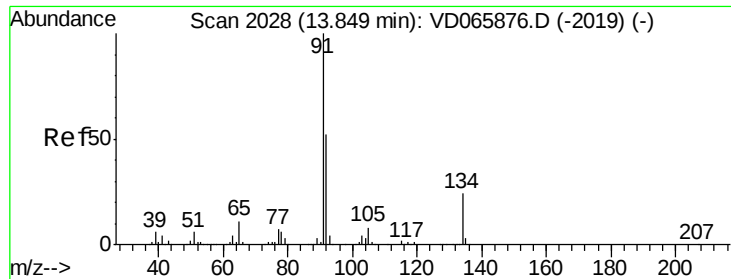
Tot Ion:146 Resp: 73324
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.4 58.4
 148 65.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 21.314 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

Tgt Ion:146 Resp: 73790
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.9 59.6
 148 64.4 32.5 97.4

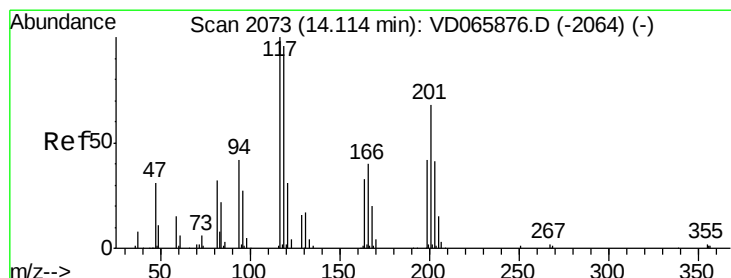
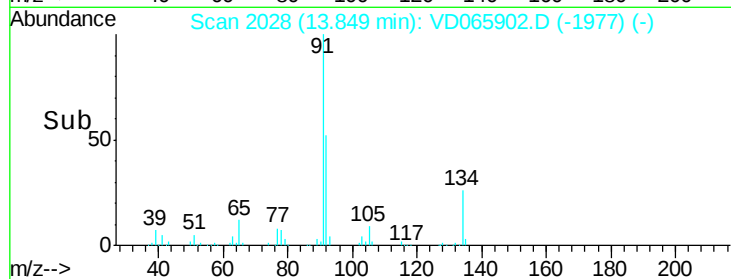
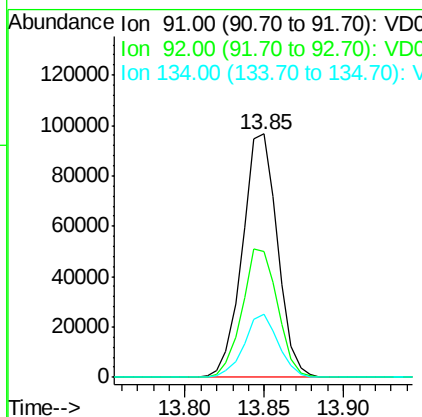
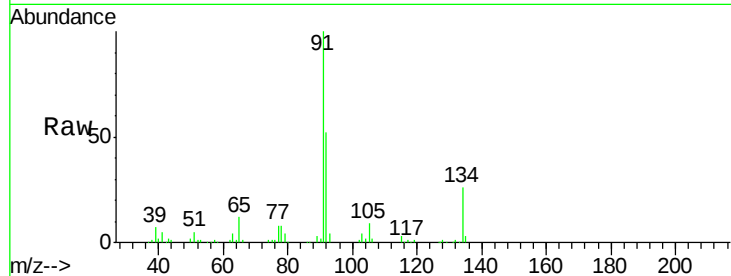




#89
n-Butylbenzene
Concen: 21.176 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

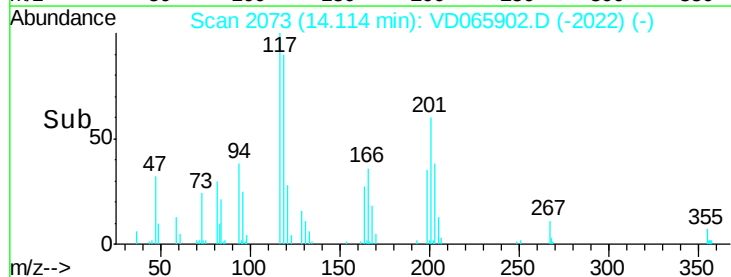
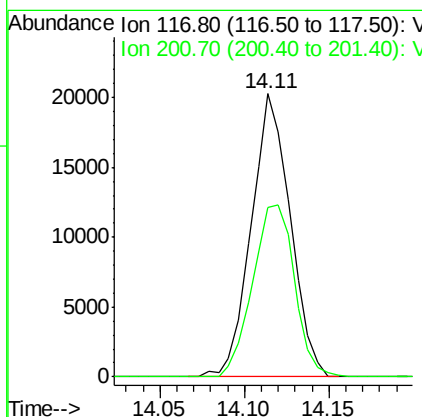
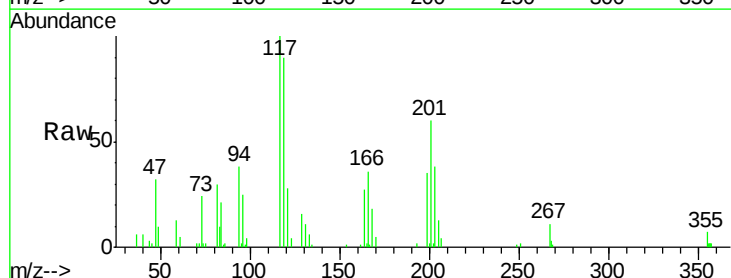
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

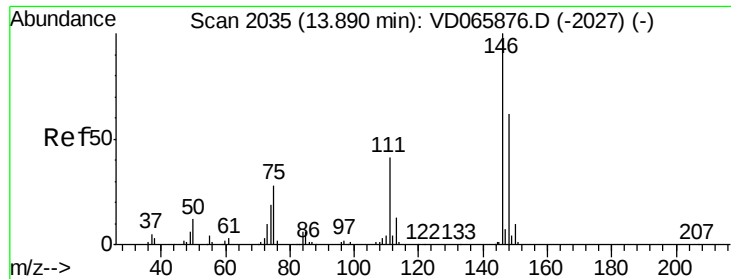
Tot Ion: 91 Resp: 148133
Ion Ratio Lower Upper
91 100
92 53.3 26.5 79.4
134 25.1 12.4 37.2



#90
Hexachloroethane
Concen: 22.206 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion: 117 Resp: 32509
Ion Ratio Lower Upper
117 100
201 65.4 35.1 105.5

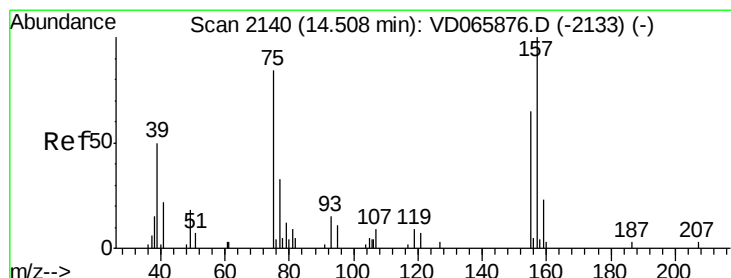
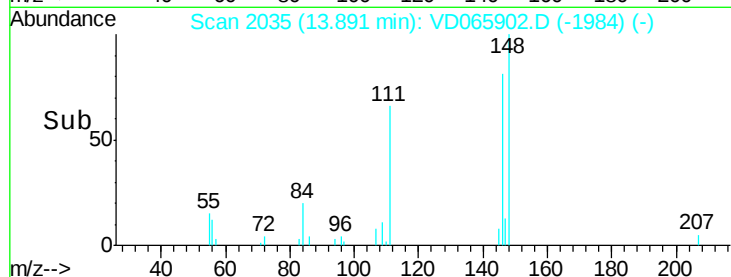
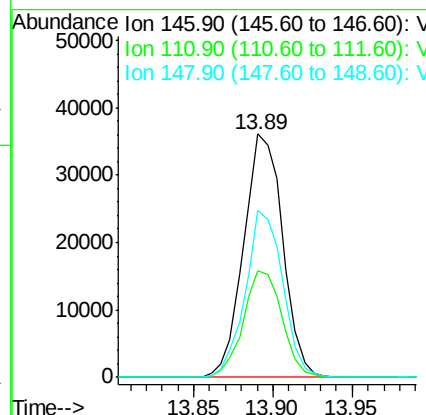
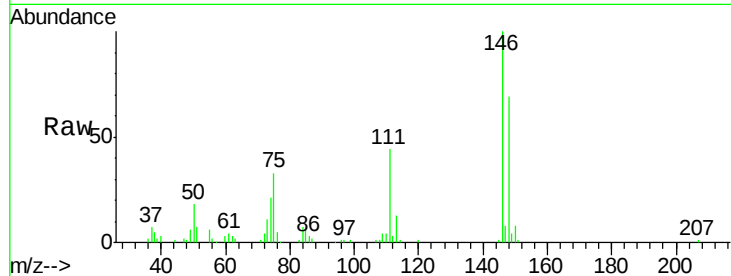




#91
 1,2-Dichlorobenzene
 Concen: 20.502 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

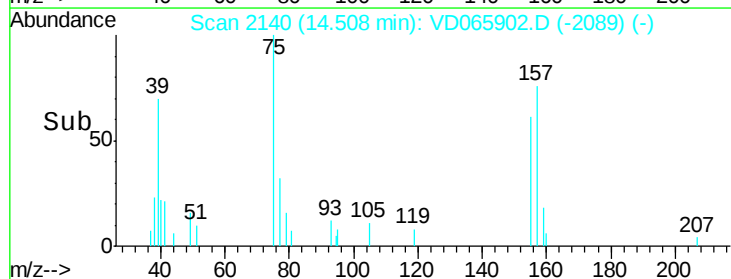
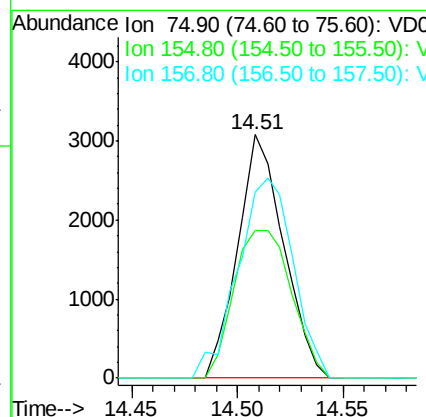
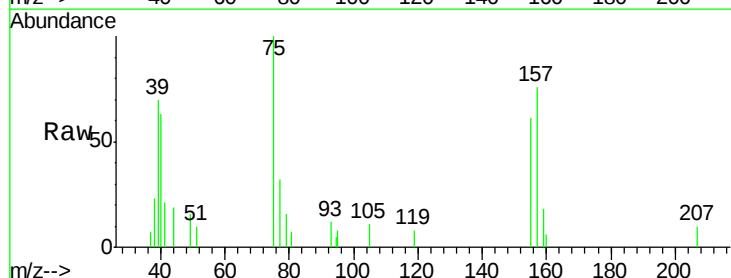
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

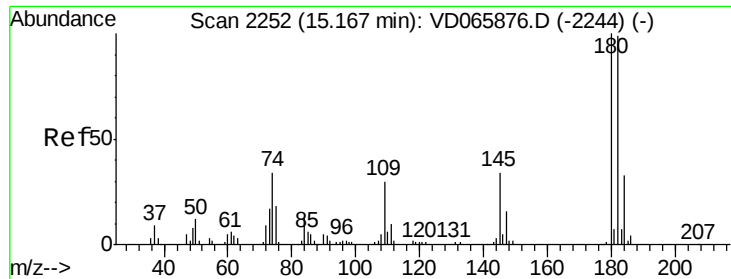
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.8	62.4
148	65.5	31.4	94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.110 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	37.8	113.3
157	99.2	50.6	151.8

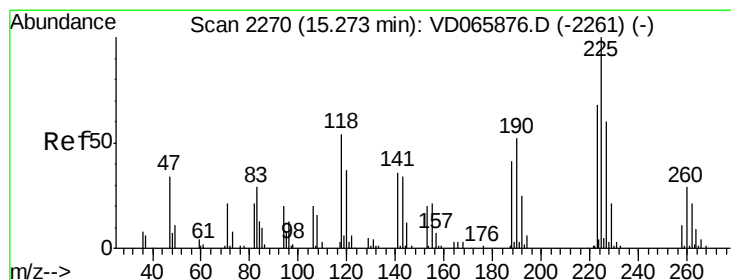
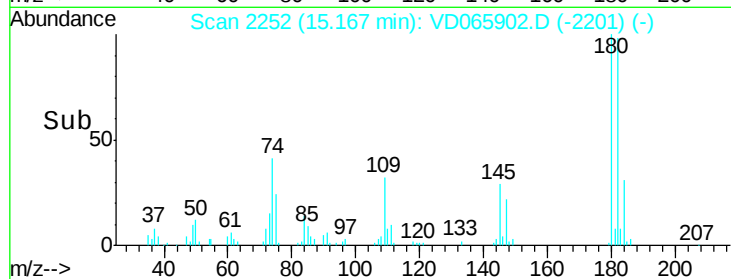
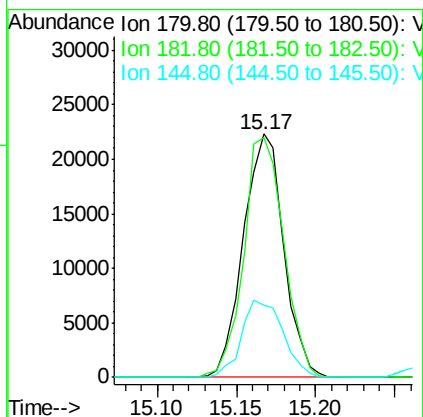
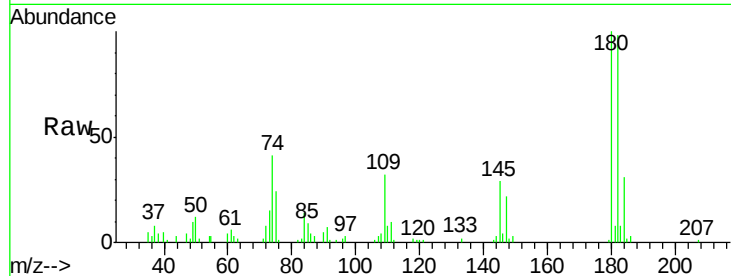




#93
 1,2,4-Trichlorobenzene
 Concen: 20.650 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

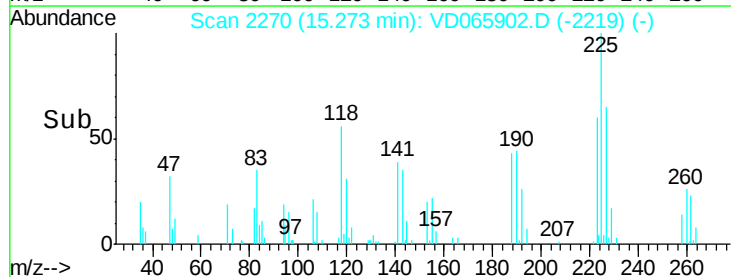
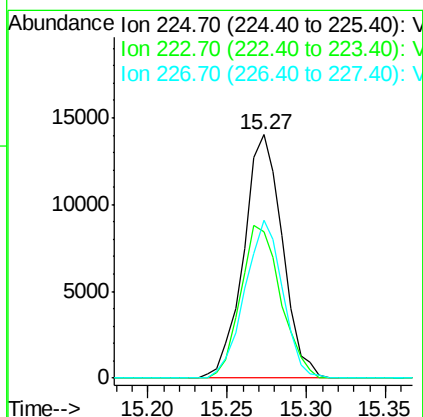
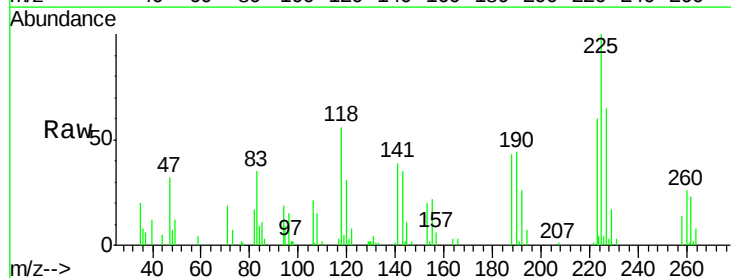
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

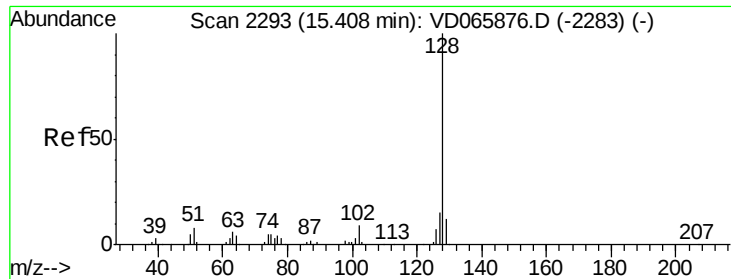
Tot Ion:180 Resp: 39465
 Ion Ratio Lower Upper
 180 100
 182 97.9 47.7 143.1
 145 32.6 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 21.903 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065902.D
 Acq: 01 Jul 2020 13:05

Tgt Ion:225 Resp: 23876
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.3 93.8
 227 63.1 30.1 90.3

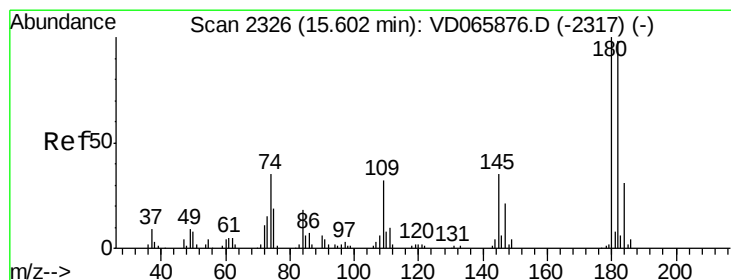
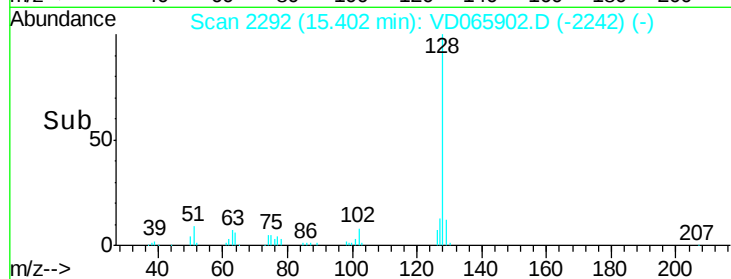
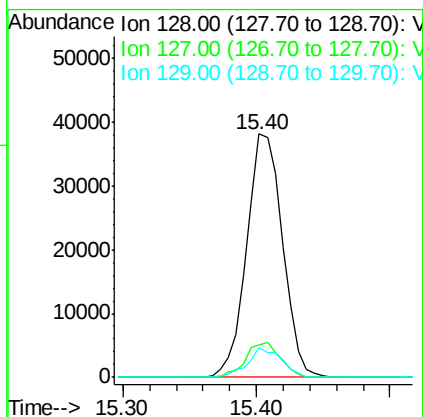
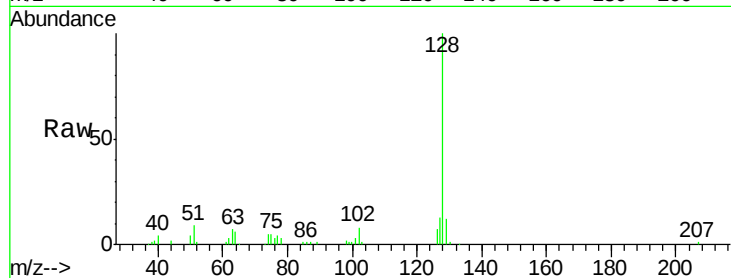




#95
Naphthalene
Concen: 20.592 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

Tot Ion:128 Resp: 70659
Ion Ratio Lower Upper
128 100
127 13.9 10.8 16.2
129 11.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.919 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065902.D
Acq: 01 Jul 2020 13:05

Tgt Ion:180 Resp: 34956
Ion Ratio Lower Upper
180 100
182 100.9 48.9 146.6
145 34.9 16.6 49.7

