

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065903.D
 Acq On : 01 Jul 2020 13:32
 Operator : VA/SY
 Sample : VD0701SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD01

Quant Time: Jul 02 04:41:45 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	158869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	263595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	235420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	108575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	79485	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	7.91	113	77805	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	10.34	98	283218	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
62) 4-Bromofluorobenzene	12.64	95	94985	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	35582	23.423	ug/l	95
3) Chloromethane	2.21	50	47052	22.287	ug/l	98
4) Vinyl Chloride	2.35	62	48793	20.835	ug/l	89
5) Bromomethane	2.76	94	31451	20.533	ug/l	99
6) Chloroethane	2.93	64	30019	20.327	ug/l	97
7) Trichlorofluoromethane	3.27	101	67538	22.878	ug/l	99
8) Diethyl Ether	3.71	74	15401	19.844	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	38394	23.079	ug/l	95
10) Methyl Iodide	4.30	142	34770	21.156	ug/l	99
11) Tert butyl alcohol	5.23	59	11558	134.834	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	33151	21.379	ug/l	97
13) Acrolein	3.92	56	10909	90.946	ug/l	94
14) Allyl chloride	4.71	41	54901	22.445	ug/l	98
15) Acrylonitrile	5.41	53	15590	47.254	ug/l #	3
16) Acetone	4.15	43	33718	104.269	ug/l	94
17) Carbon Disulfide	4.41	76	112389	21.453	ug/l	98
18) Methyl Acetate	4.72	43	14881	20.753	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	71826	21.124	ug/l	92
20) Methylene Chloride	4.96	84	45963	24.482	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	38353	21.600	ug/l	93
22) Diisopropyl ether	6.37	45	109593	21.483	ug/l	98
23) Vinyl Acetate	6.31	43	304420	103.250	ug/l	99
24) 1,1-Dichloroethane	6.26	63	66668	21.906	ug/l	96
25) 2-Butanone	7.21	43	44159	102.327	ug/l	94
26) 2,2-Dichloropropane	7.21	77	62063	22.222	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	39928	20.323	ug/l	98
28) Bromochloromethane	7.55	49	22759	19.900	ug/l	97
29) Tetrahydrofuran	7.57	42	26779	97.688	ug/l	98
30) Chloroform	7.71	83	68848	21.129	ug/l	96
31) Cyclohexane	7.98	56	62715	21.212	ug/l #	89
32) 1,1,1-Trichloroethane	7.90	97	64497	21.570	ug/l	97
36) 1,1-Dichloropropene	8.11	75	53937	20.984	ug/l	98
37) Ethyl Acetate	7.30	43	18618	18.943	ug/l #	100
38) Carbon Tetrachloride	8.09	117	61565	22.181	ug/l #	93

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	64016	20.961	ug/l	96
40) Benzene	8.35	78	150184	21.060	ug/l	95
41) Methacrylonitrile	7.53	41	10358	19.209	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	45775	21.759	ug/l	100
43) Isopropyl Acetate	8.45	43	41080	21.571	ug/l	96
44) Trichloroethene	9.11	130	38989	20.182	ug/l	94
45) 1,2-Dichloropropane	9.39	63	36629	21.443	ug/l #	86
46) Dibromomethane	9.48	93	18737	19.787	ug/l	98
47) Bromodichloromethane	9.67	83	52870	21.012	ug/l	97
48) Methyl methacrylate	9.46	41	20904	22.393	ug/l	88
49) 1,4-Dioxane	9.47	88	3833	395.716	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	96386	98.185	ug/l	96
52) Toluene	10.40	92	92412	19.932	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	48392	20.148	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	57172	20.272	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	24801	19.764	ug/l	93
56) Ethyl methacrylate	10.66	69	30789	19.760	ug/l	99
57) 1,3-Dichloropropane	10.95	76	45302	20.581	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	66859	97.894	ug/l	100
59) 2-Hexanone	10.98	43	66222	96.238	ug/l	98
60) Dibromochloromethane	11.14	129	34178	19.940	ug/l	97
61) 1,2-Dibromoethane	11.25	107	24740	20.144	ug/l	98
64) Tetrachloroethene	10.88	164	32087	20.872	ug/l	95
65) Chlorobenzene	11.67	112	95919	20.541	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	34659	19.924	ug/l	97
67) Ethyl Benzene	11.75	91	178103	20.536	ug/l	98
68) m/p-Xylenes	11.86	106	136769	41.419	ug/l	100
69) o-Xylene	12.18	106	61086	20.586	ug/l	98
70) Styrene	12.20	104	105132	20.262	ug/l	99
71) Bromoform	12.36	173	17626	19.079	ug/l #	96
73) Isopropylbenzene	12.48	105	169395	21.783	ug/l	99
74) N-amyl acetate	12.29	43	35472	20.646	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	27286	21.316	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	36546	38.467	ug/l #	1
77) Bromobenzene	12.77	156	36369	20.801	ug/l	93
78) n-propylbenzene	12.83	91	209711	22.384	ug/l	97
79) 2-Chlorotoluene	12.91	91	111459	21.599	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	141346	21.743	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	9088	20.551	ug/l	94
82) 4-Chlorotoluene	13.01	91	120442	21.841	ug/l	98
83) tert-Butylbenzene	13.23	119	121087	22.133	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	136772	21.358	ug/l	100
85) sec-Butylbenzene	13.41	105	167621	21.500	ug/l	100
86) p-Isopropyltoluene	13.52	119	155880	22.012	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	72726	21.410	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	73332	21.458	ug/l	98
89) n-Butylbenzene	13.85	91	146044	21.150	ug/l	97
90) Hexachloroethane	14.12	117	31240	21.618	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	64156	21.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4459	22.488	ug/l	92

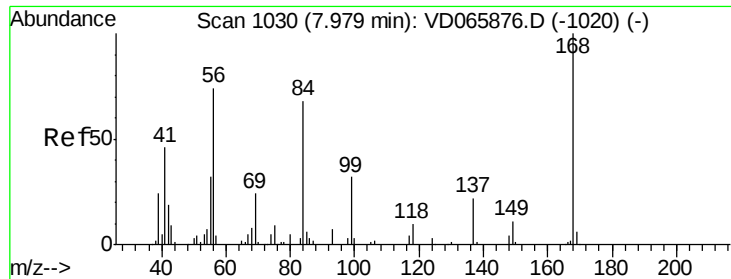
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065903.D
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Quant Title : SW846 8260
QLast Update : Fri Jun 26 19:16:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	39803	21.098	ug/l	97
94) Hexachlorobutadiene	15.27	225	23392	21.739	ug/l	96
95) Naphthalene	15.40	128	68468	20.214	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	34990	22.226	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: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

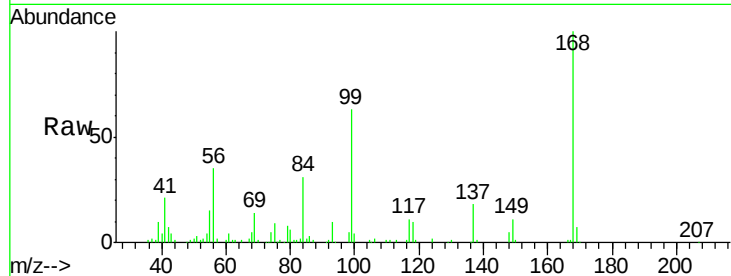
VD0701SBSD01

Tot Ion:168 Resp: 158869

Ion Ratio Lower Upper

168 100

99 62.6 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

80000

60000

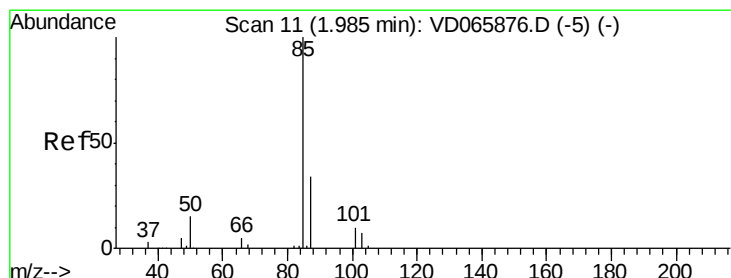
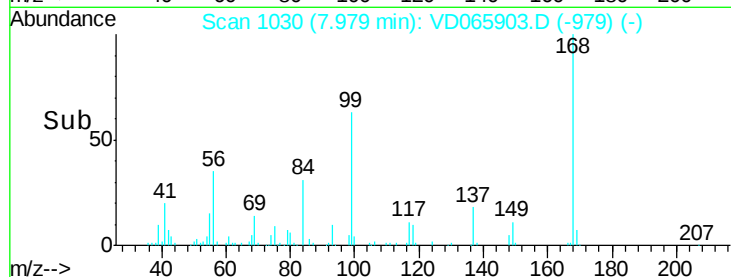
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.423 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065903.D

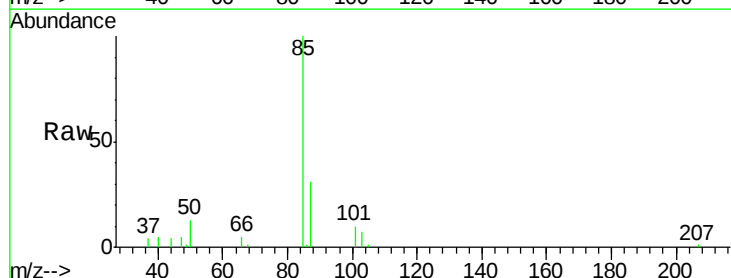
Acq: 01 Jul 2020 13:32

Tgt Ion: 85 Resp: 35582

Ion Ratio Lower Upper

85 100

87 31.5 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

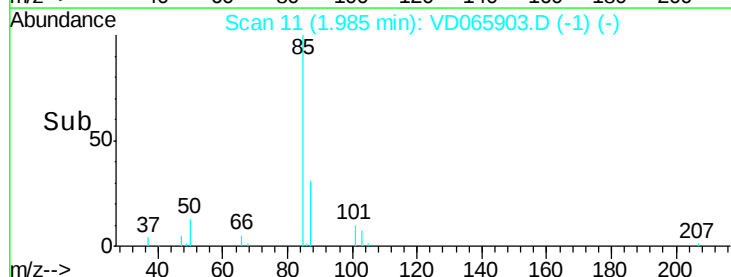
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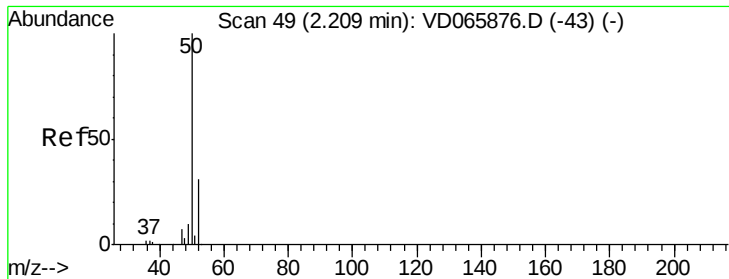
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.287 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

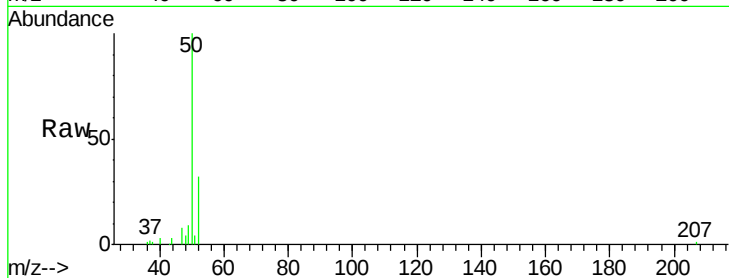
VD0701SBSD01

Tot Ion: 50 Resp: 47052

Ion Ratio Lower Upper

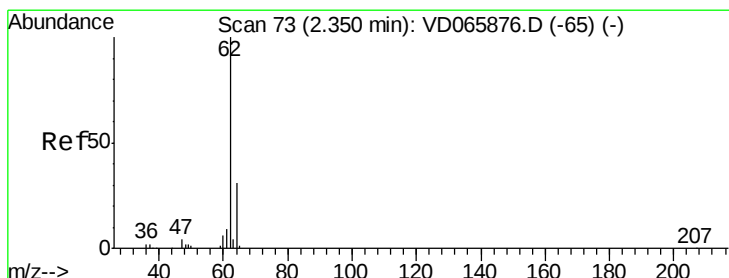
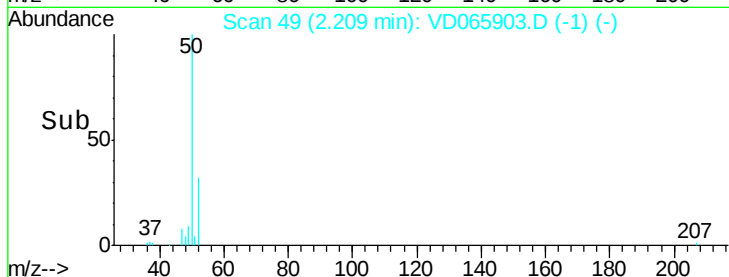
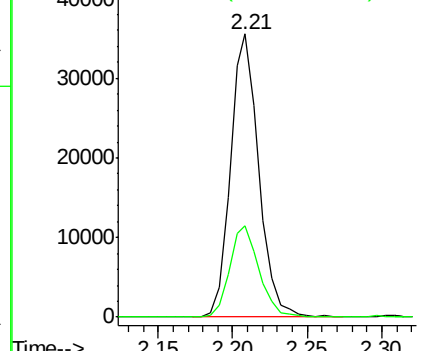
50 100

52 32.2 24.7 37.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.835 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065903.D

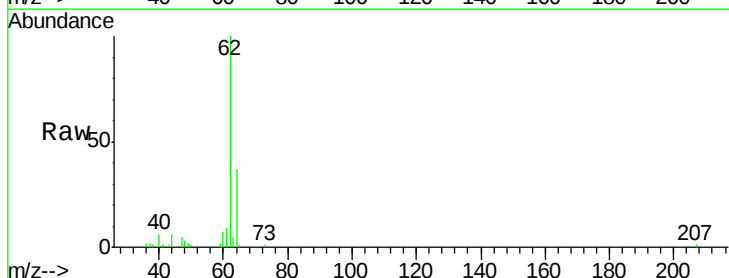
Acq: 01 Jul 2020 13:32

Tgt Ion: 62 Resp: 48793

Ion Ratio Lower Upper

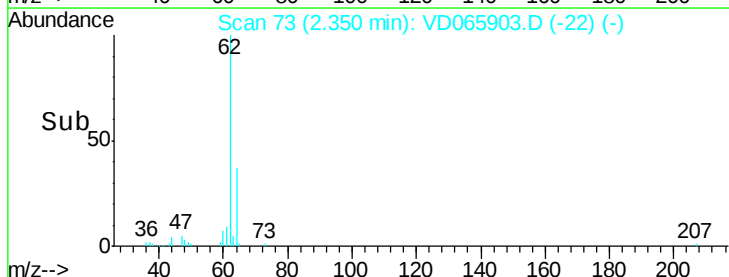
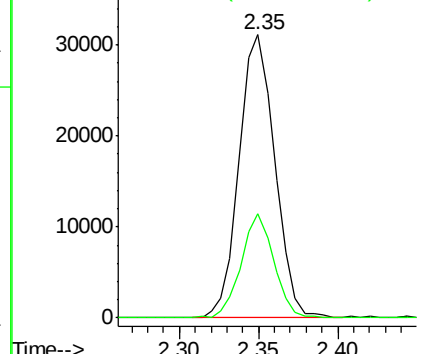
62 100

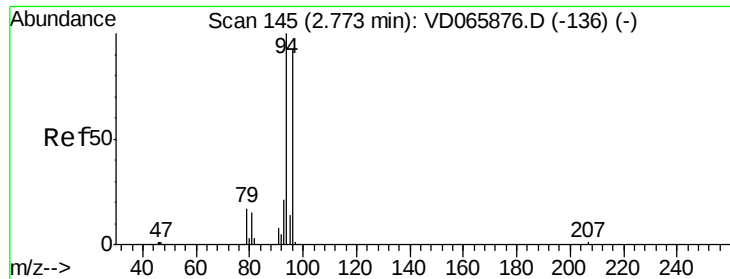
64 37.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.533 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

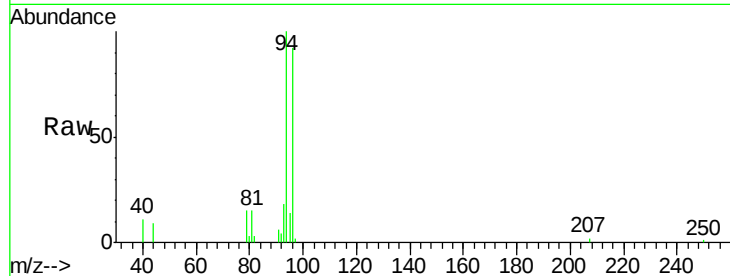
VD0701SBS01

Tot Ion: 94 Resp: 31451

Ion Ratio Lower Upper

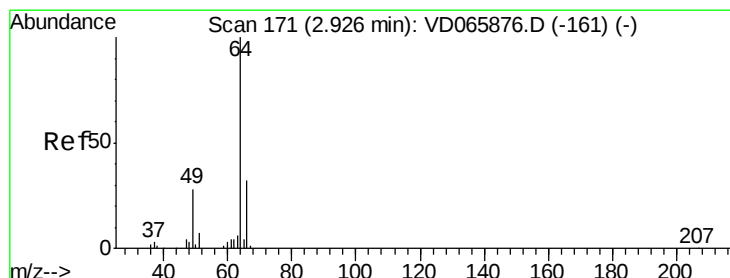
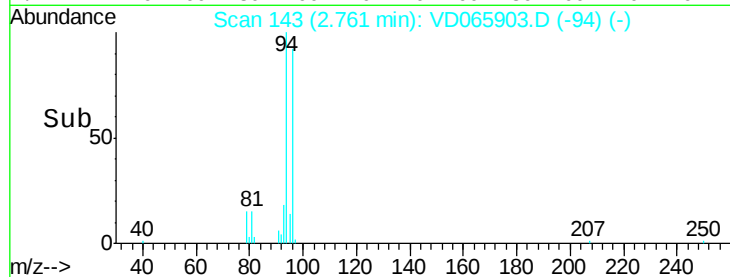
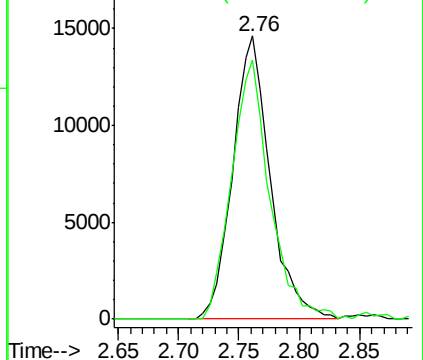
94 100

96 91.5 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: 20.327 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065903.D

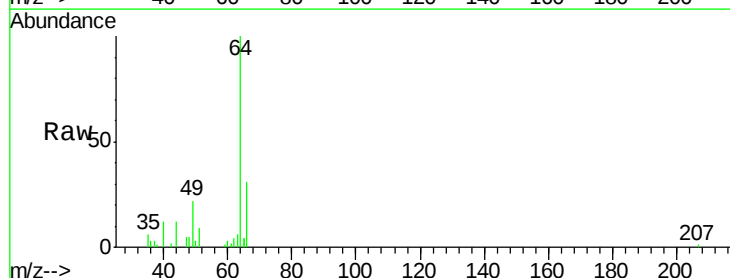
Acq: 01 Jul 2020 13:32

Tgt Ion: 64 Resp: 30019

Ion Ratio Lower Upper

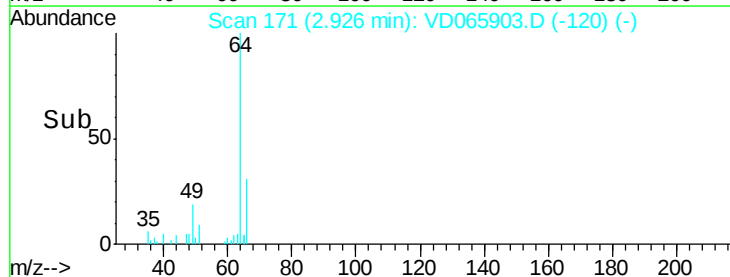
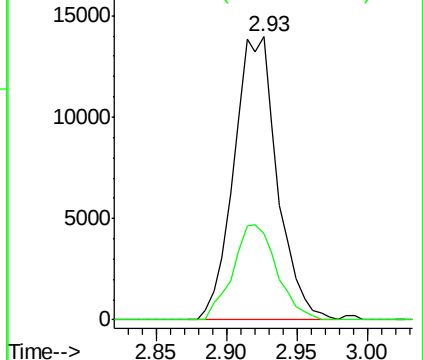
64 100

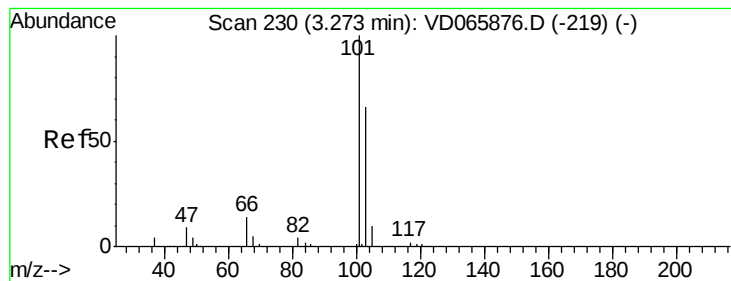
66 30.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



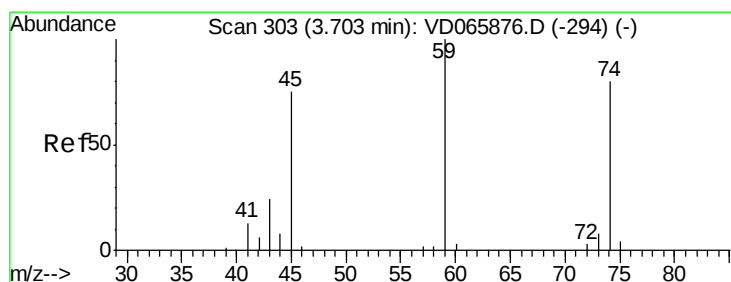
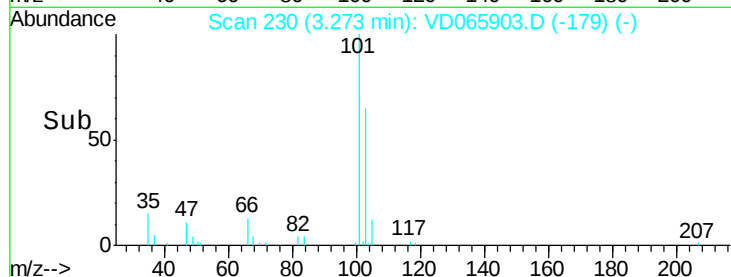
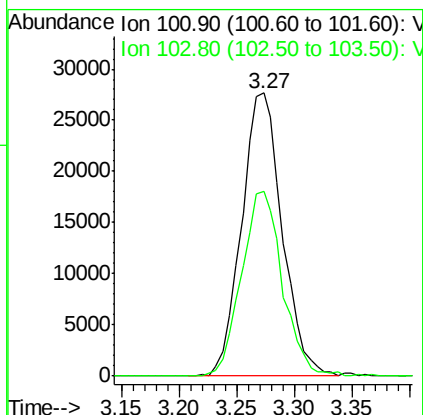
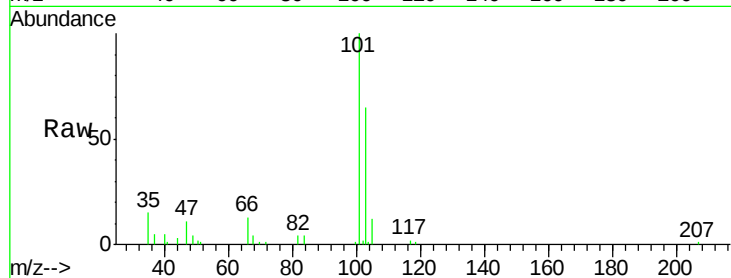


#7

Trichlorofluoromethane
 Concen: 22.878 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065903.D
 Acq: 01 Jul 2020 13:32

Instrument :
 MSVOA_D
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 VD0701SBSD01

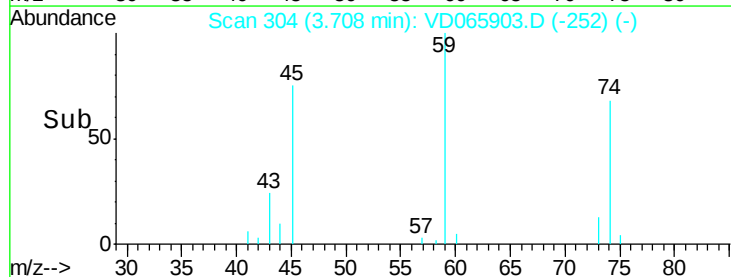
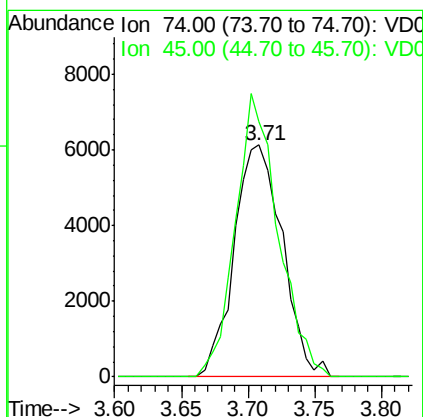
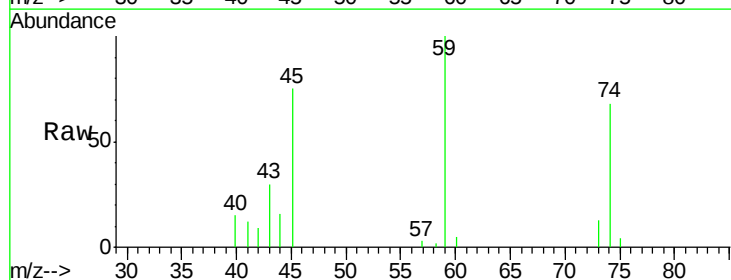
Tot Ion:101 Resp: 67538
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.9 79.3

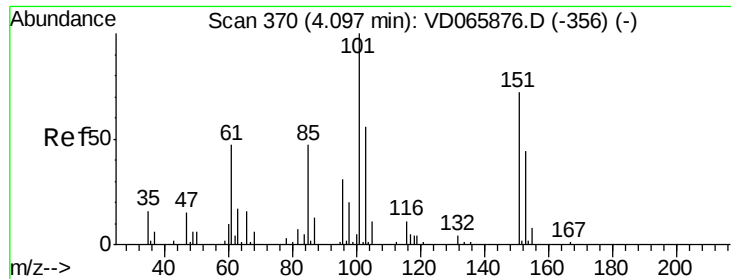


#8

Diethyl Ether
 Concen: 19.844 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD065903.D
 Acq: 01 Jul 2020 13:32

Tgt Ion: 74 Resp: 15401
 Ion Ratio Lower Upper
 74 100
 45 107.9 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.079 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

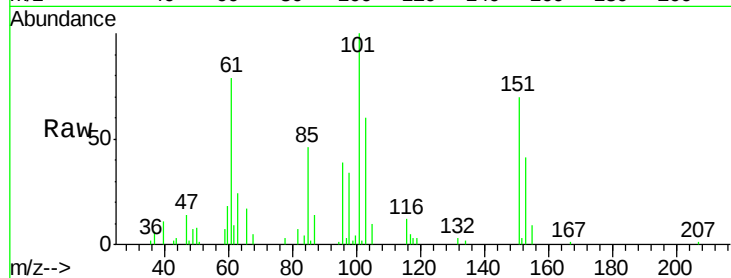
Tot Ion:101 Resp: 38394

Ion Ratio Lower Upper

101 100

85 46.4 38.6 58.0

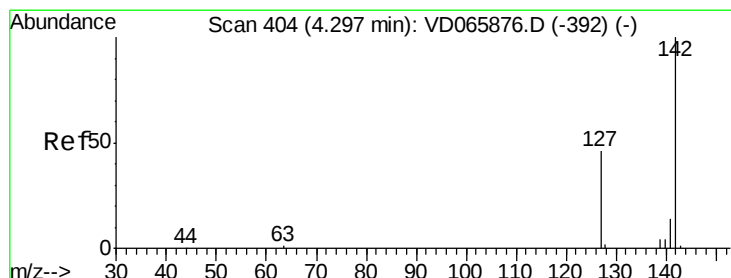
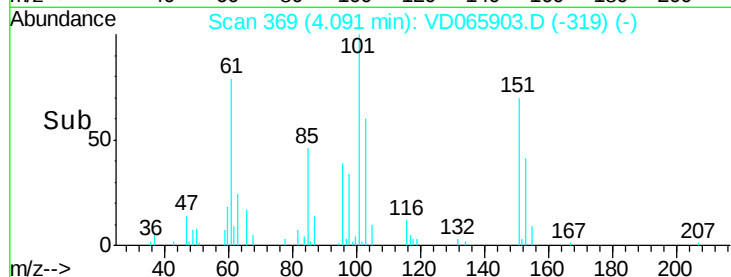
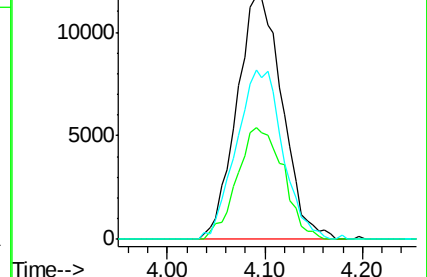
151 70.8 60.7 91.1



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: 21.156 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

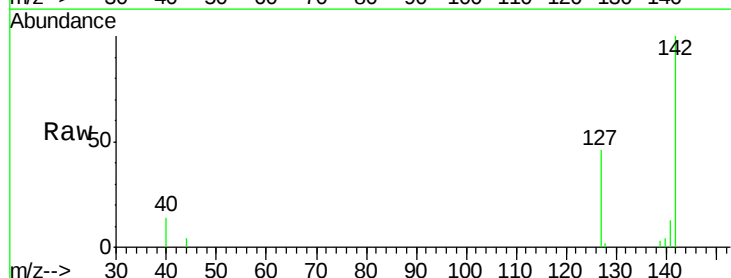
Tgt Ion:142 Resp: 34770

Ion Ratio Lower Upper

142 100

127 47.8 39.0 58.6

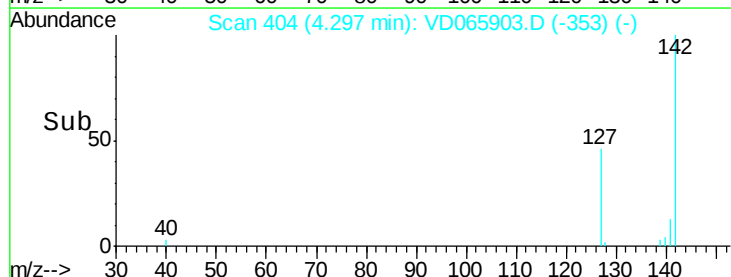
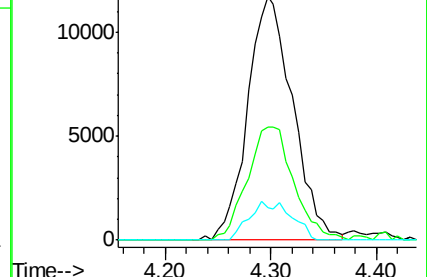
141 14.6 11.5 17.3

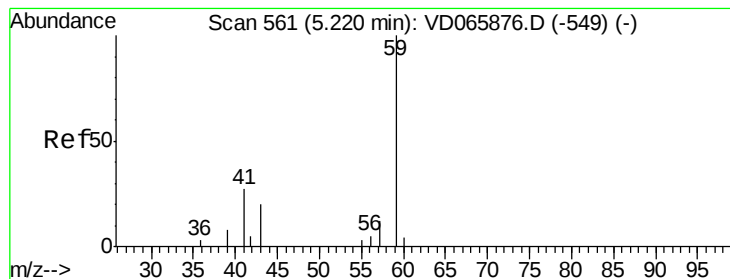


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 134.834 ug/l

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

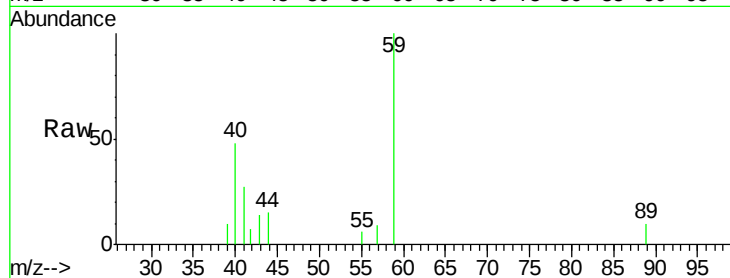
VD0701SBS01

Tot Ion: 59 Resp: 11558

Ion Ratio Lower Upper

59 100

57 3.8 9.7 14.5#

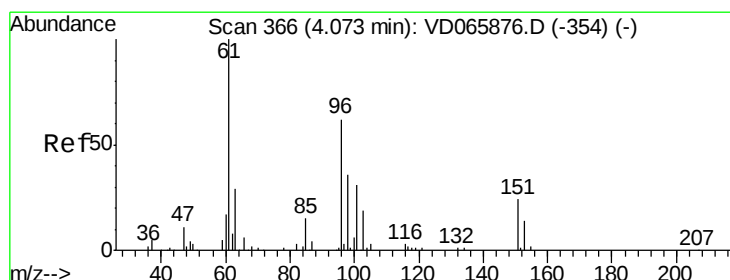
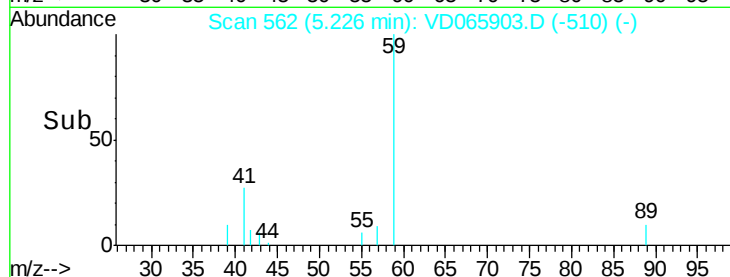


Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

Time-->



#12

1,1-Dichloroethene

Concen: 21.379 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

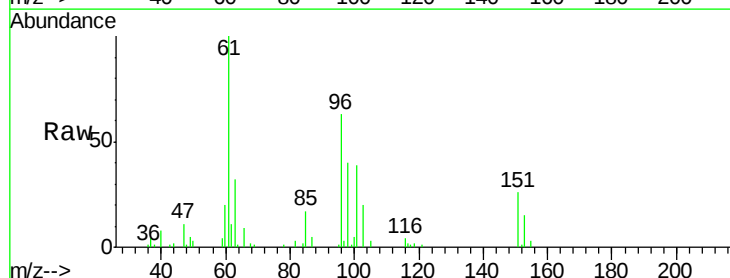
Tgt Ion: 96 Resp: 33151

Ion Ratio Lower Upper

96 100

61 157.7 128.3 192.5

98 62.9 46.2 69.2



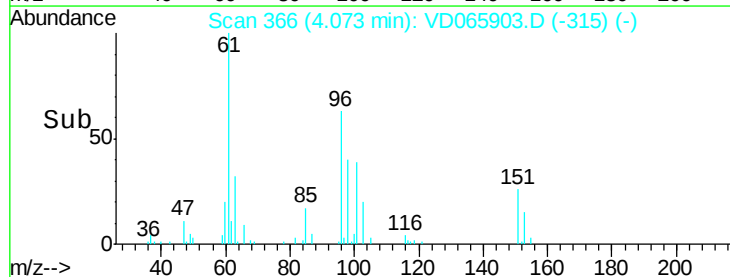
Abundance Ion 95.90 (95.60 to 96.60): VDC

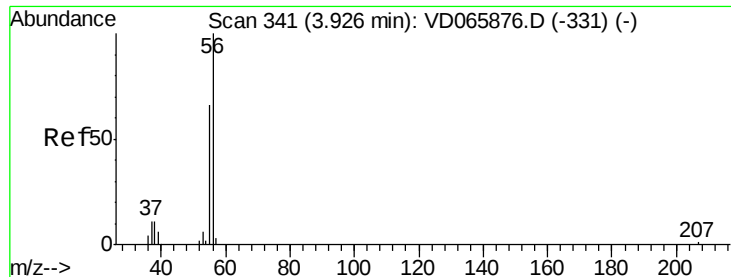
Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

4.07

Time-->





#13

Acrolein

Concen: 90.946 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

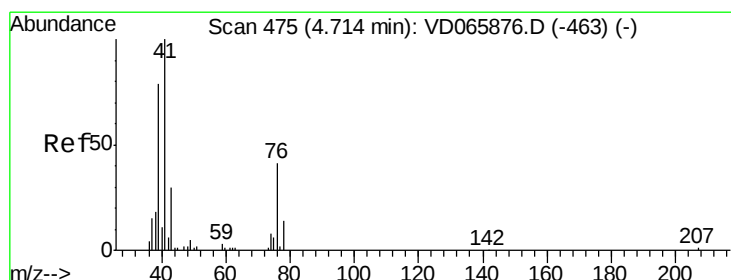
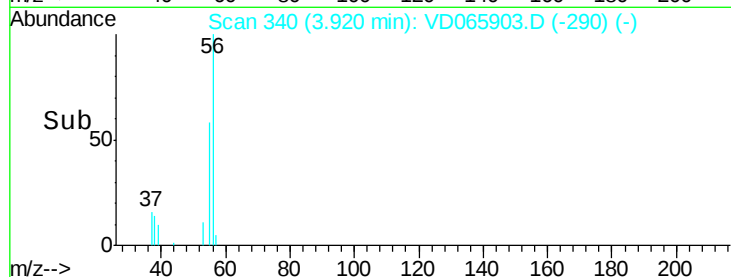
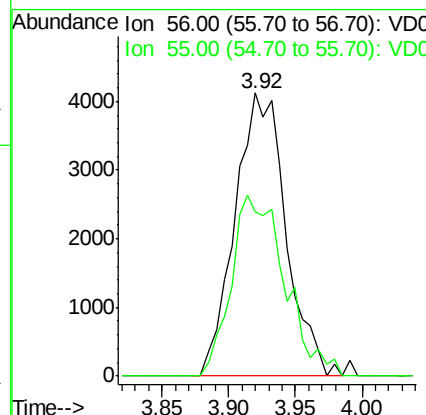
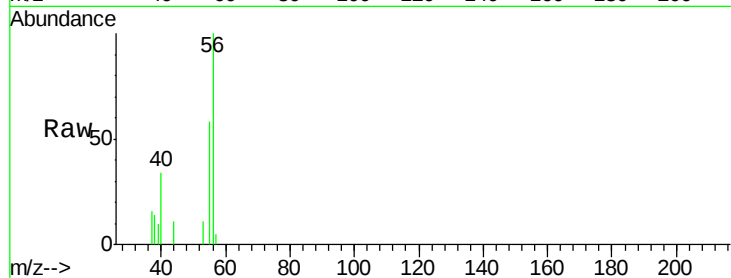
VD0701SBS01

Tot Ion: 56 Resp: 10909

Ion Ratio Lower Upper

56 100

55 67.2 58.1 87.1



#14

Allyl chloride

Concen: 22.445 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

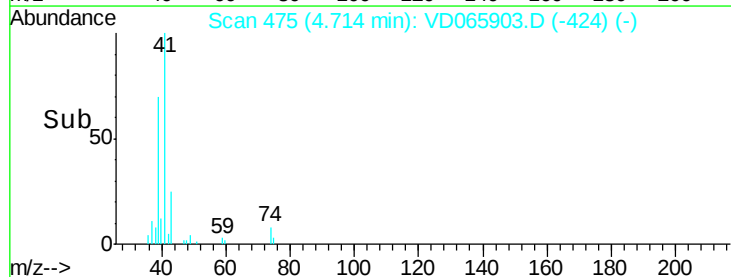
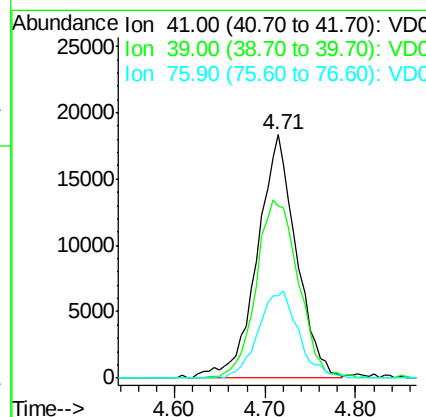
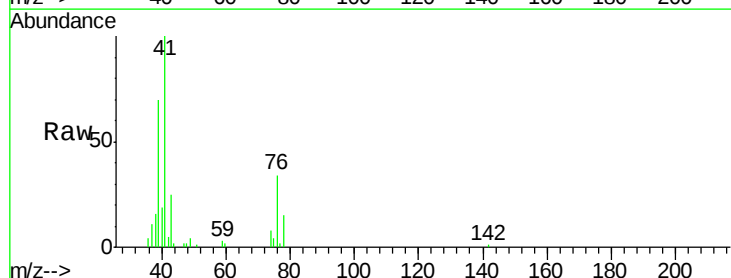
Tgt Ion: 41 Resp: 54901

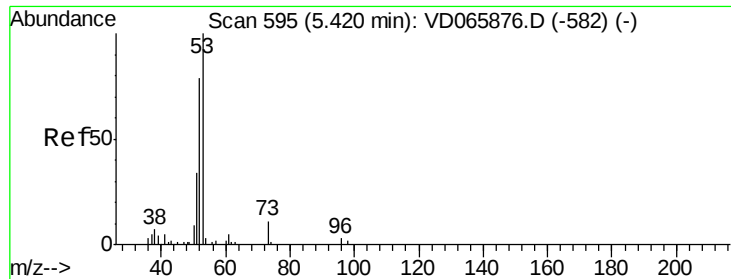
Ion Ratio Lower Upper

41 100

39 79.1 63.8 95.8

76 36.8 32.2 48.4





#15

Acrylonitrile

Concen: 47.254 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

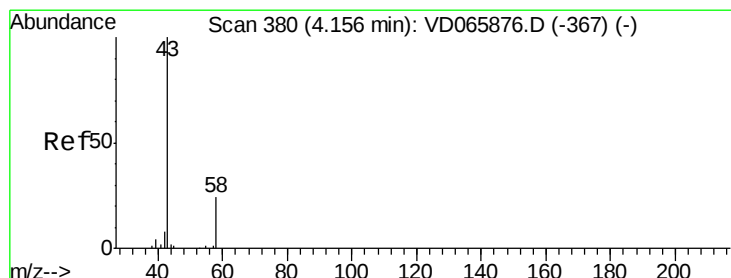
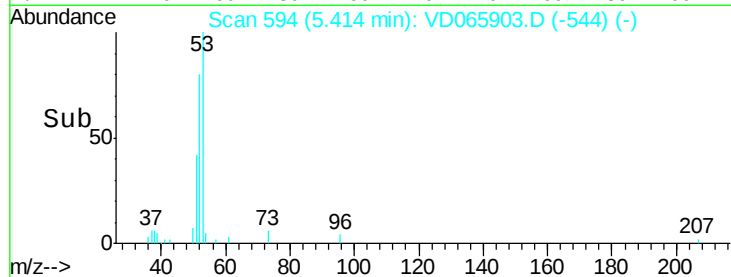
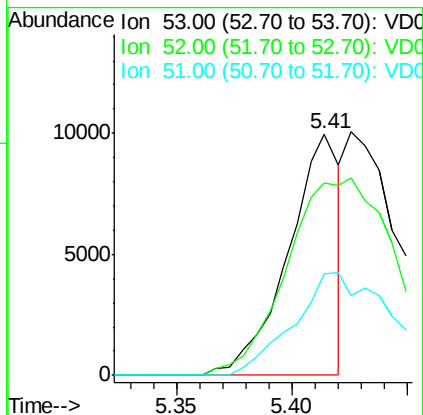
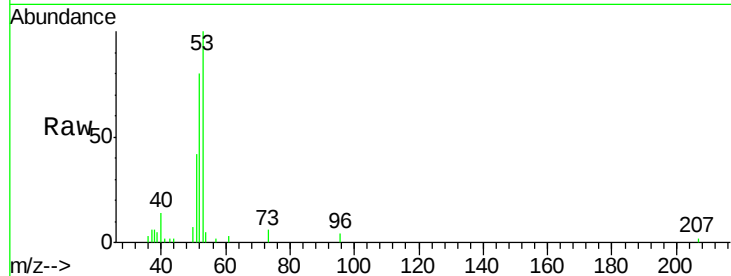
Tot Ion: 53 Resp: 15590

Ion Ratio Lower Upper

53 100

52 177.4 66.3 99.5#

51 84.6 29.9 44.9#



#16

Acetone

Concen: 104.269 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065903.D

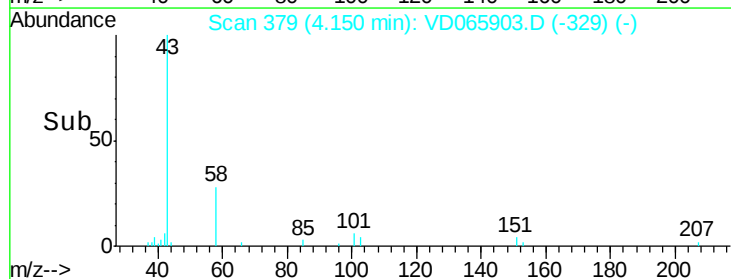
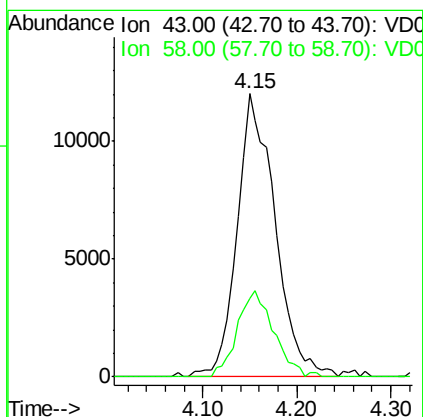
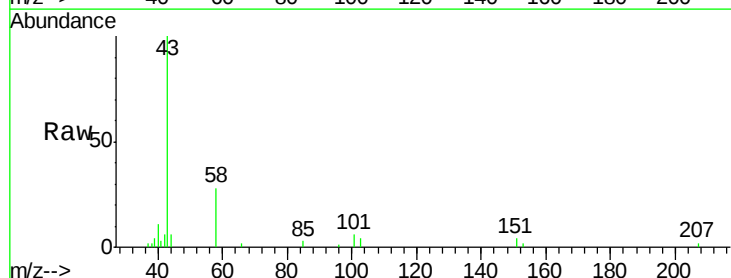
Acq: 01 Jul 2020 13:32

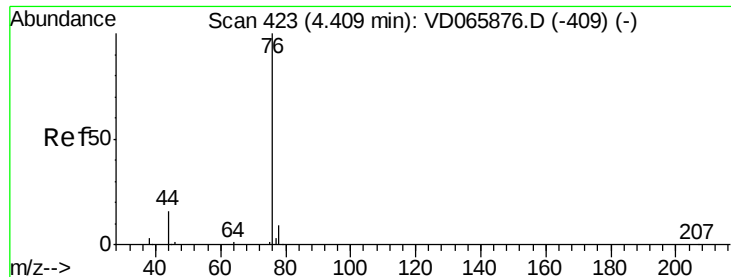
Tgt Ion: 43 Resp: 33718

Ion Ratio Lower Upper

43 100

58 27.6 19.5 29.3

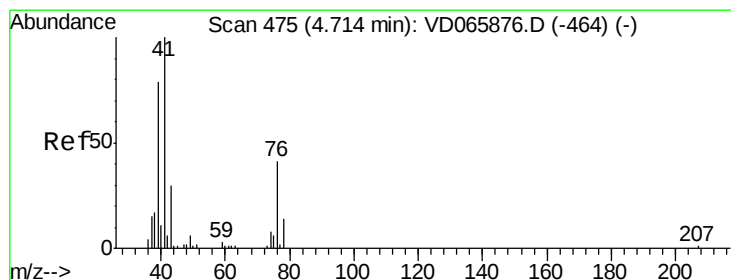
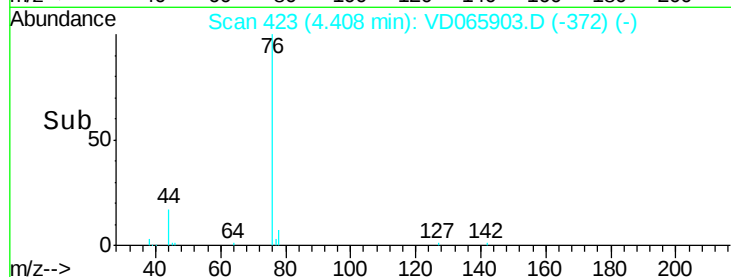
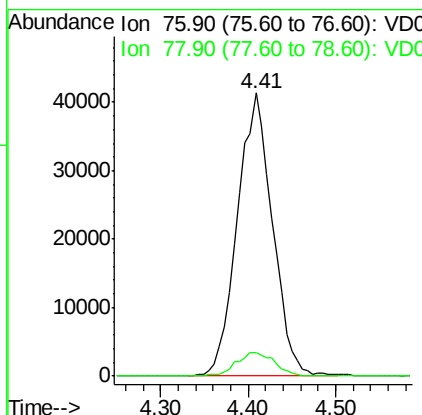
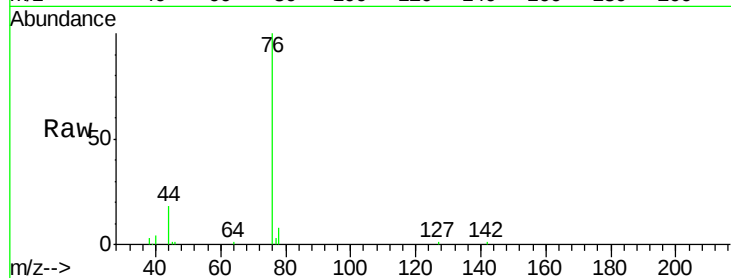




#17
Carbon Disulfide
Concen: 21.453 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

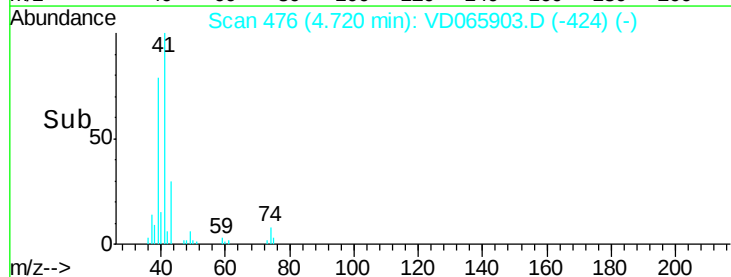
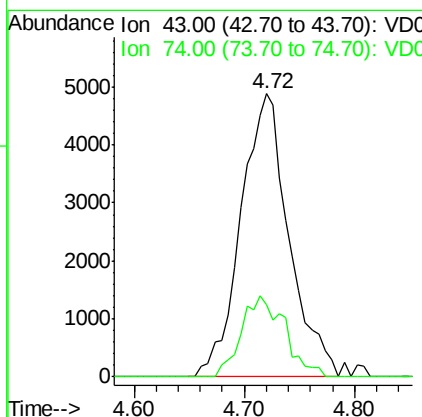
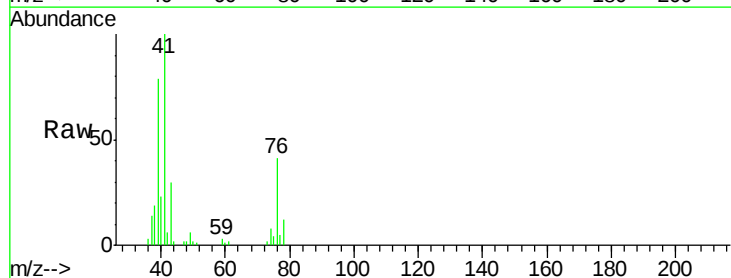
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

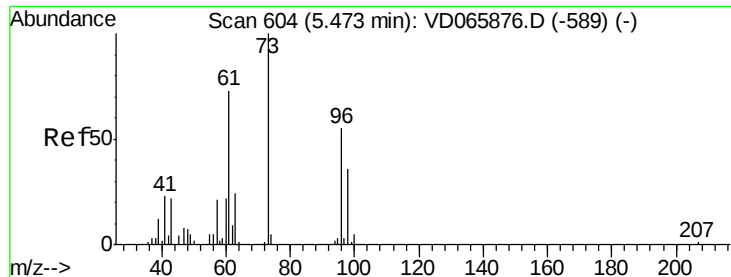
Tot Ion: 76 Resp: 112389
Ion Ratio Lower Upper
76 100
78 8.1 7.2 10.8



#18
Methyl Acetate
Concen: 20.753 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion: 43 Resp: 14881
Ion Ratio Lower Upper
43 100
74 26.0 20.2 30.2

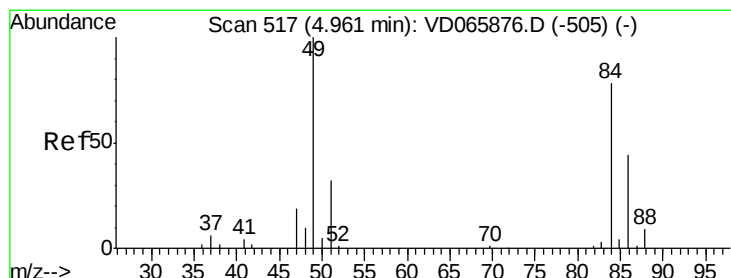
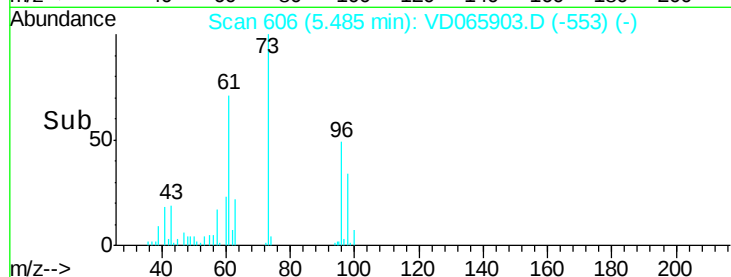
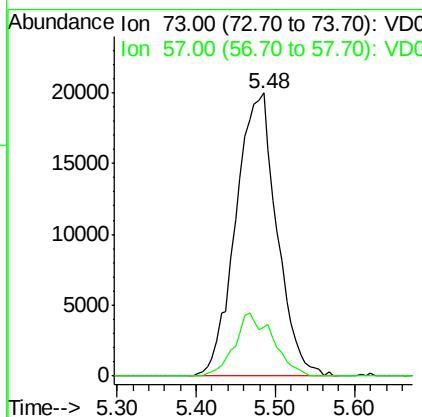
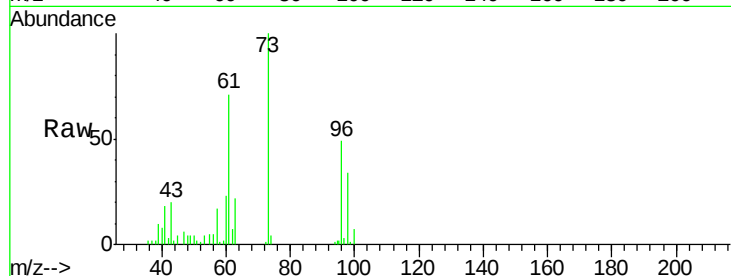




#19
Methyl tert-butyl Ether
Concen: 21.124 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

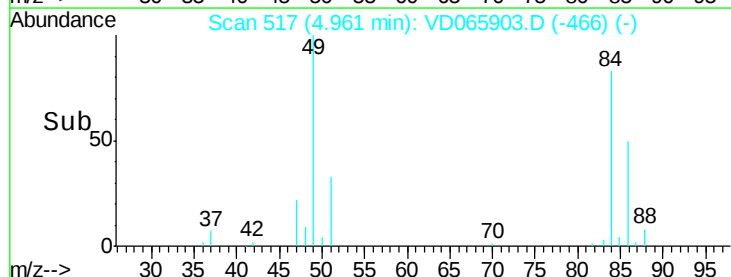
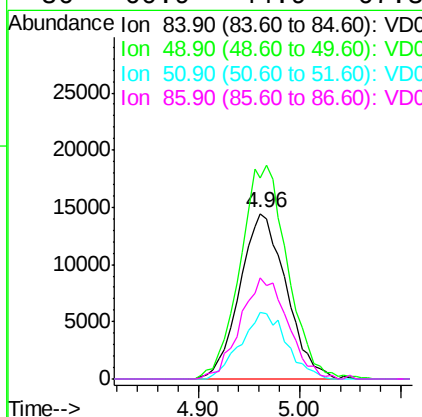
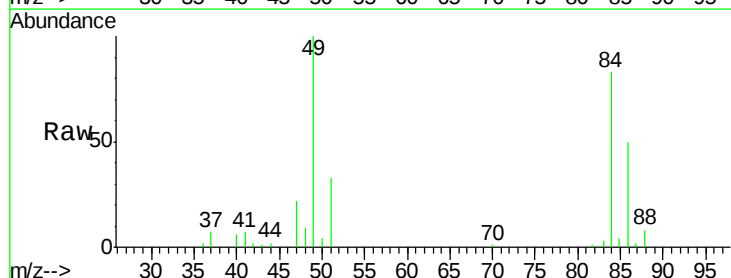
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

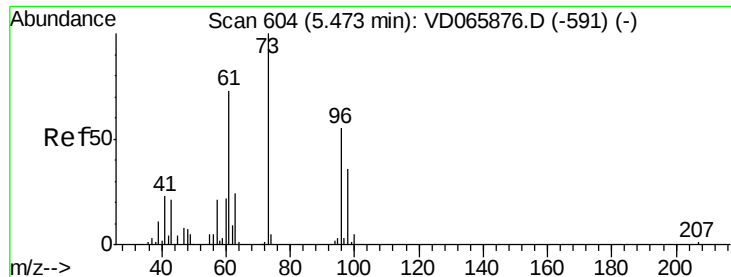
Tot Ion: 73 Resp: 71826
Ion Ratio Lower Upper
73 100
57 17.5 17.0 25.4



#20
Methylene Chloride
Concen: 24.482 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion: 84 Resp: 45963
Ion Ratio Lower Upper
84 100
49 121.1 103.0 154.6
51 40.5 32.7 49.1
86 60.9 44.9 67.3





#21

trans-1,2-Dichloroethene

Concen: 21.600 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

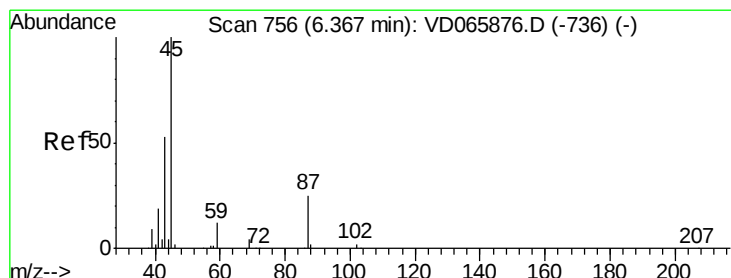
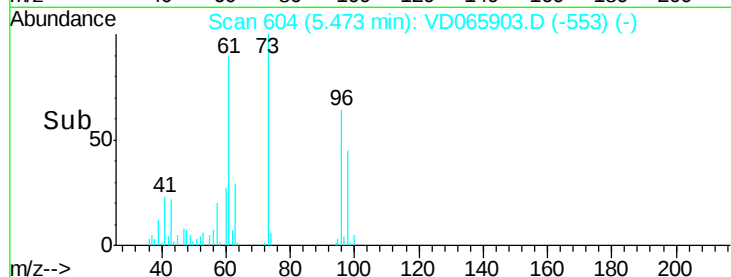
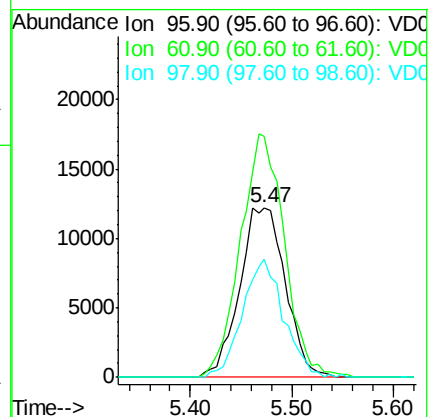
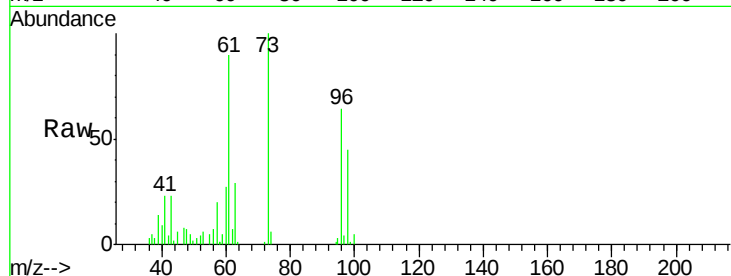
Tot Ion: 96 Resp: 38353

Ion Ratio Lower Upper

96 100

61 141.8 107.0 160.4

98 69.9 52.2 78.2



#22

Diisopropyl ether

Concen: 21.483 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Tgt Ion: 45 Resp: 109593

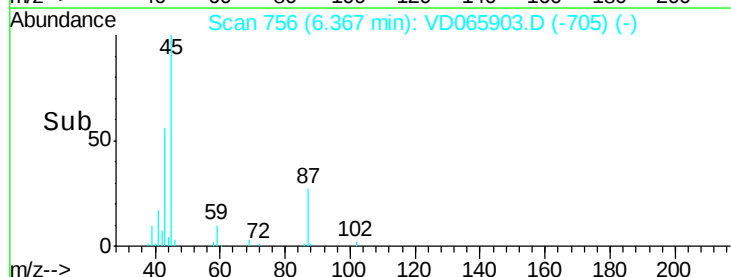
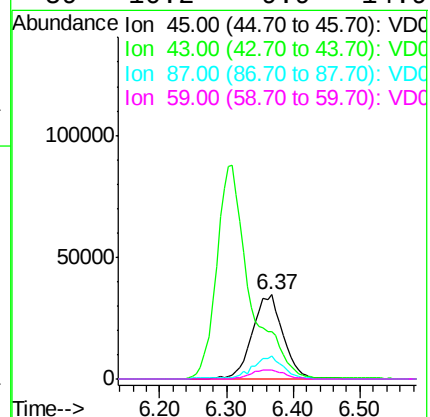
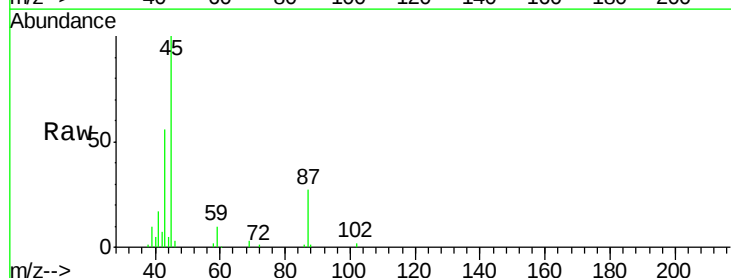
Ion Ratio Lower Upper

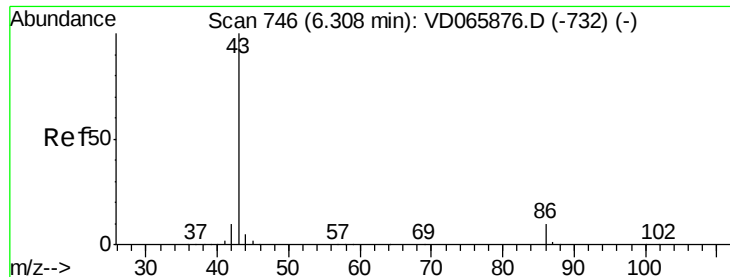
45 100

43 54.6 43.4 65.0

87 26.7 19.8 29.8

59 10.2 9.9 14.9

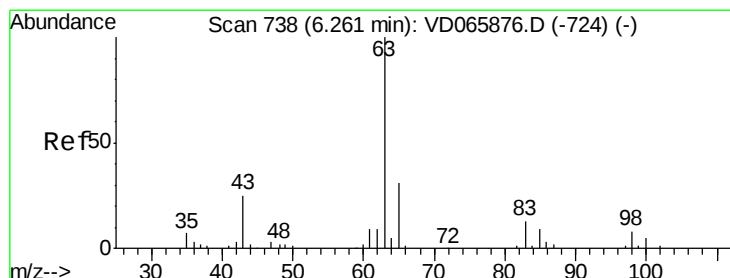
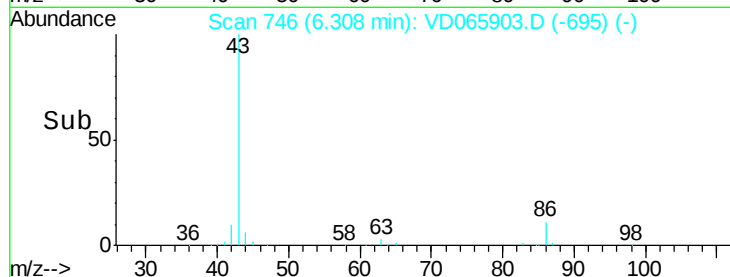
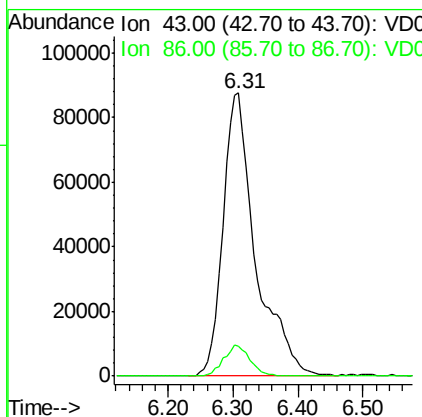
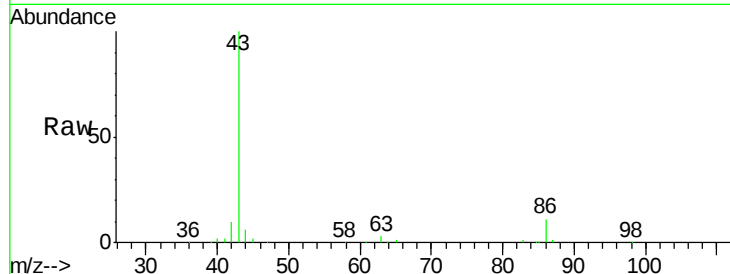




#23
 Vinyl Acetate
 Concen: 103.250 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD065903.D
 Acq: 01 Jul 2020 13:32

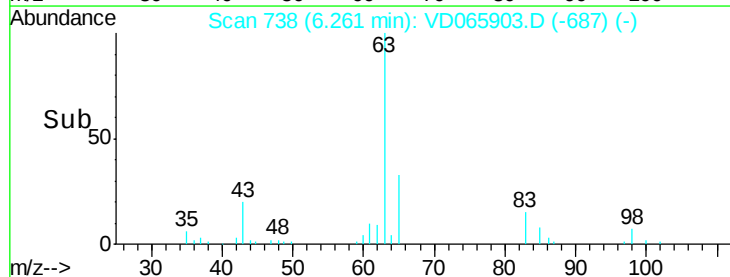
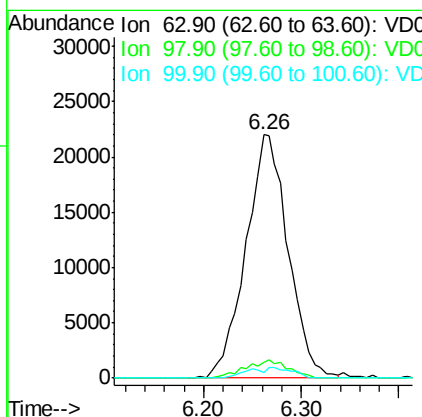
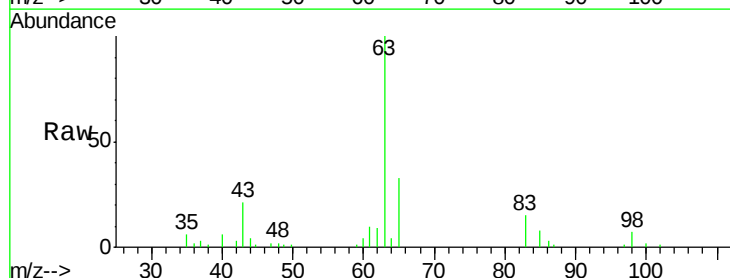
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD01

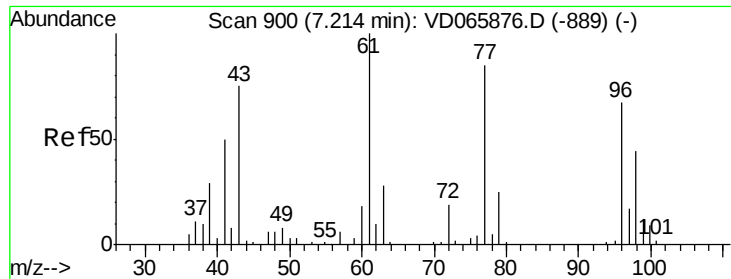
Tot Ion: 43 Resp: 304420
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 21.906 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: VD065903.D
 Acq: 01 Jul 2020 13:32

Tgt Ion: 63 Resp: 66668
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.8 11.4
 100 2.5 2.4 7.2

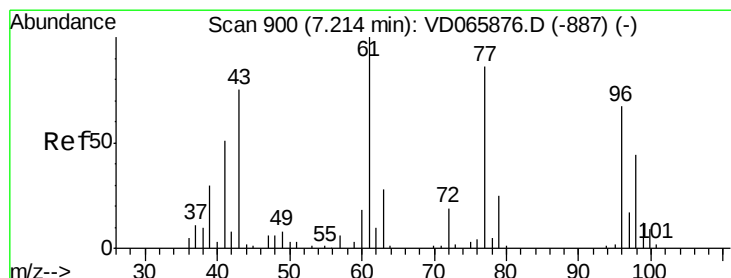
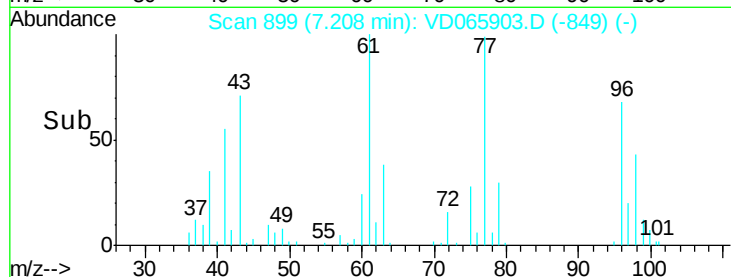
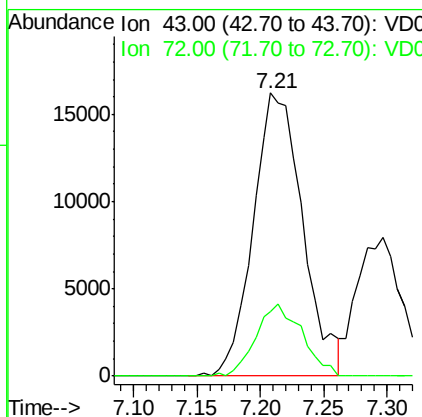
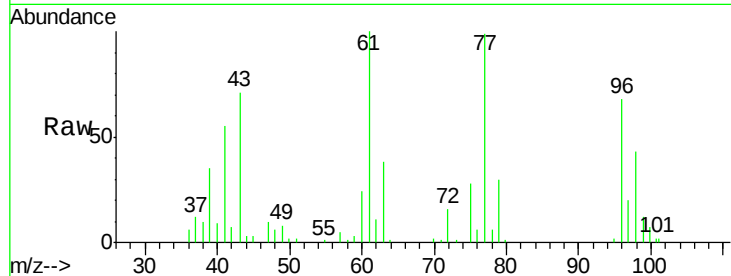




#25
2-Butanone
Concen: 102.327 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

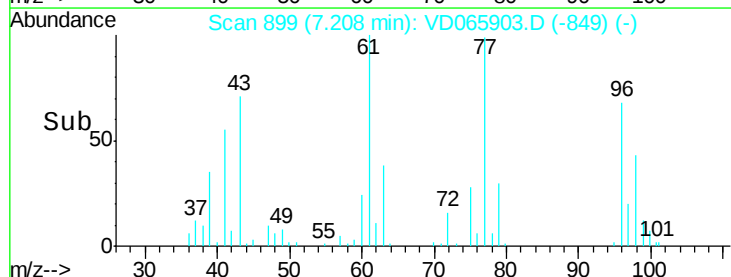
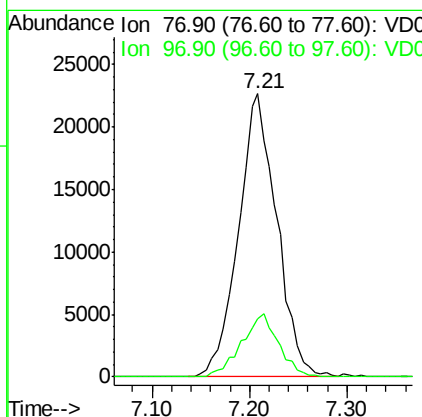
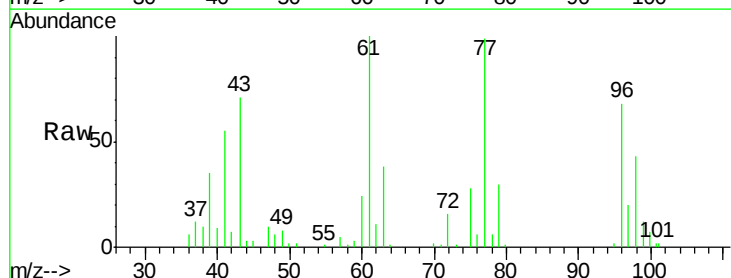
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

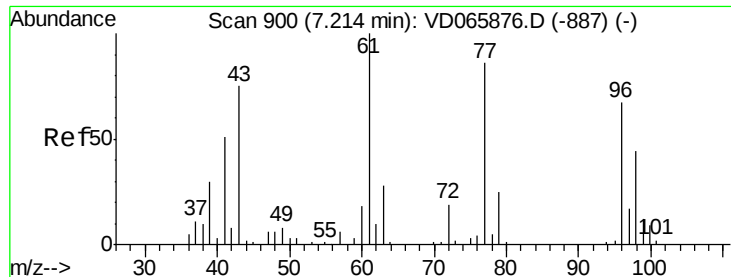
Tot Ion: 43 Resp: 44159
Ion Ratio Lower Upper
43 100
72 23.0 20.6 31.0



#26
2,2-Dichloropropane
Concen: 22.222 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion: 77 Resp: 62063
Ion Ratio Lower Upper
77 100
97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 20.323 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

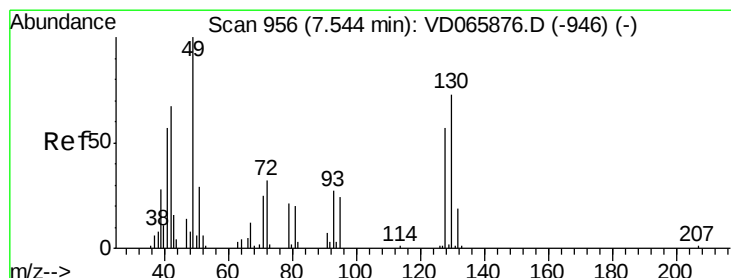
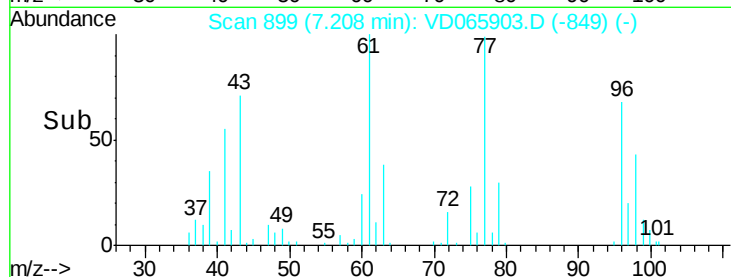
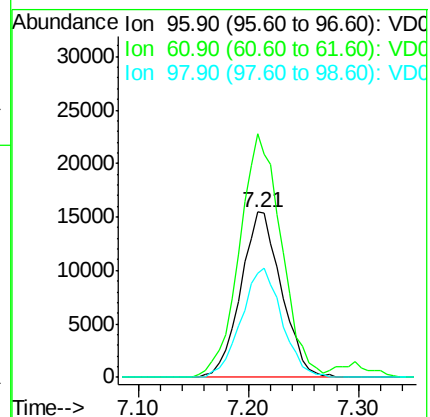
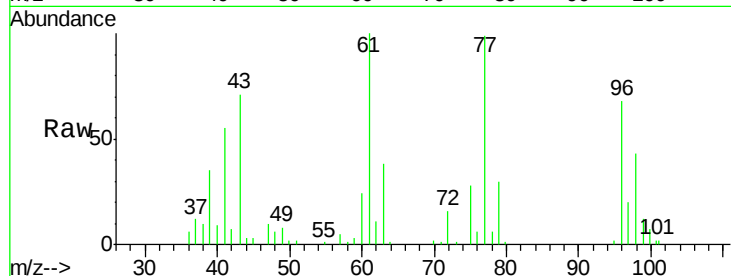
Tot Ion: 96 Resp: 39928

Ion Ratio Lower Upper

96 100

61 151.7 0.0 297.8

98 66.1 0.0 129.8



#28

Bromochloromethane

Concen: 19.900 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

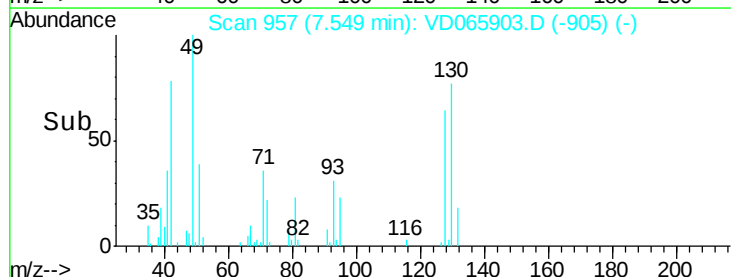
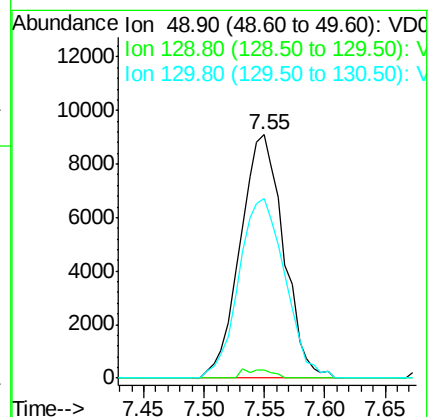
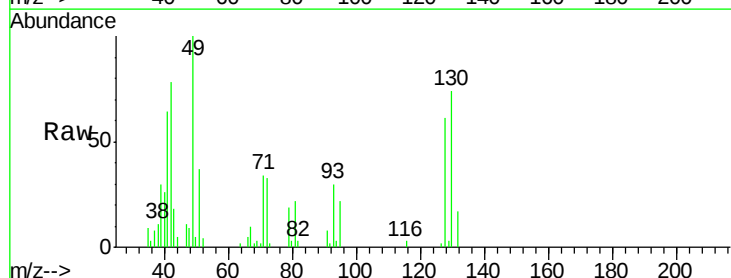
Tgt Ion: 49 Resp: 22759

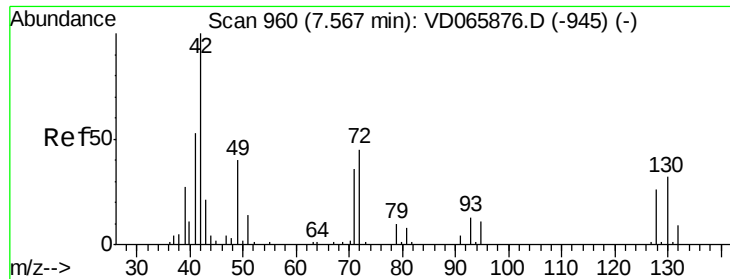
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

130 78.5 61.0 91.6

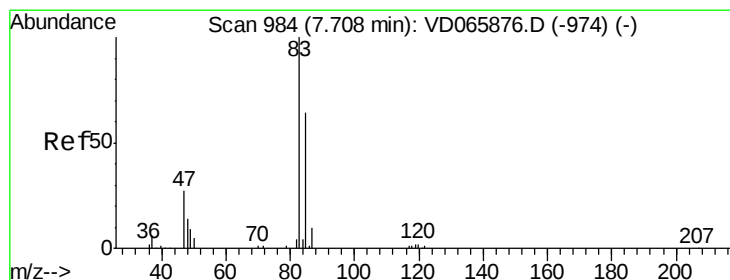
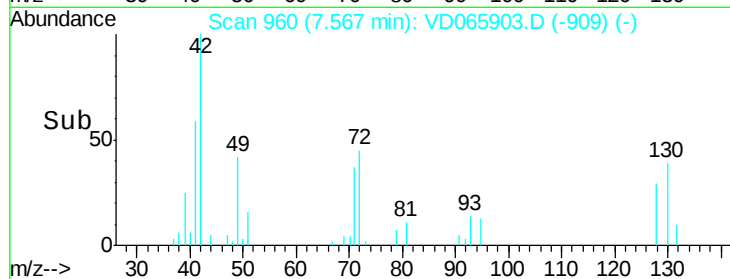
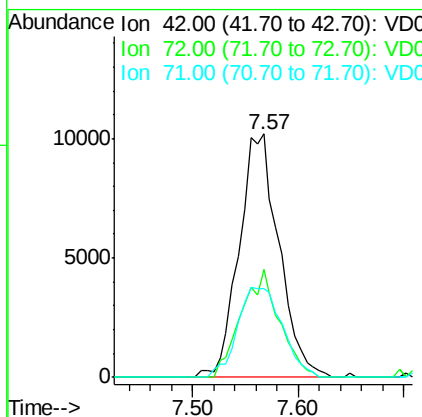
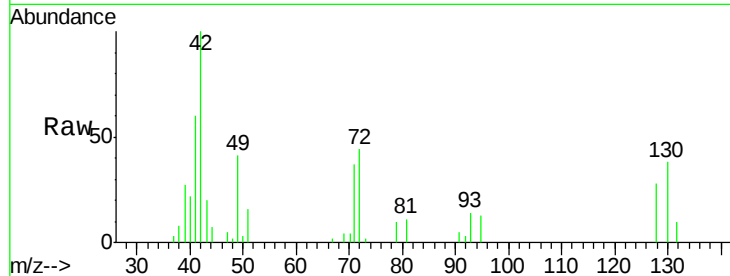




#29
Tetrahydrofuran
Concen: 97.688 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

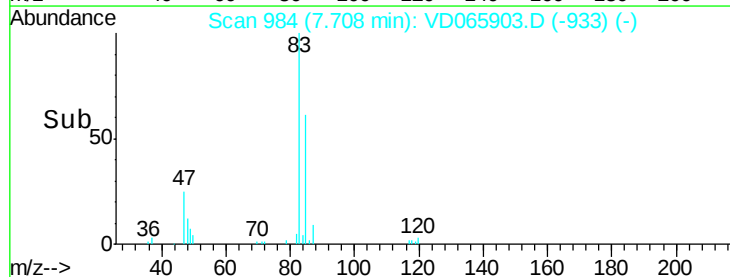
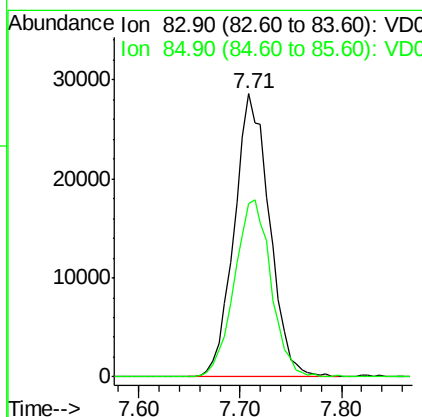
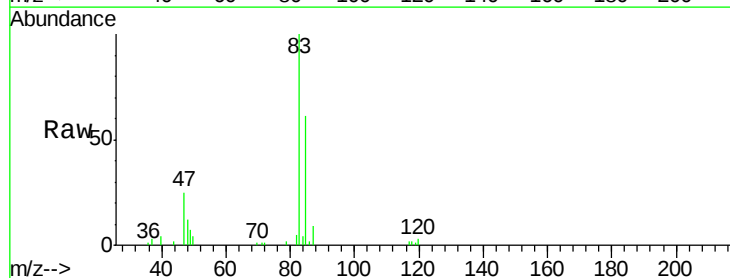
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

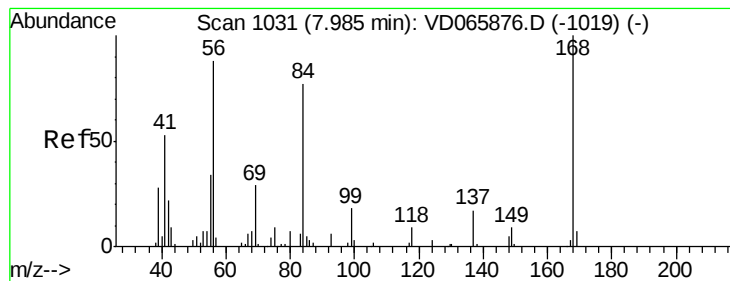
Tot Ion: 42 Resp: 26779
Ion Ratio Lower Upper
42 100
72 42.4 35.3 52.9
71 41.4 32.6 48.8



#30
Chloroform
Concen: 21.129 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion: 83 Resp: 68848
Ion Ratio Lower Upper
83 100
85 61.2 51.2 76.8





#31

Cyclohexane

Concen: 21.212 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

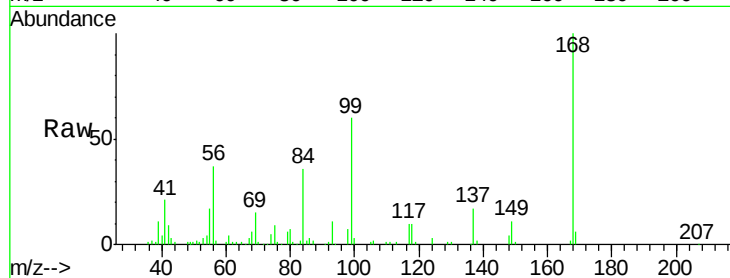
Tot Ion: 56 Resp: 62715

Ion Ratio Lower Upper

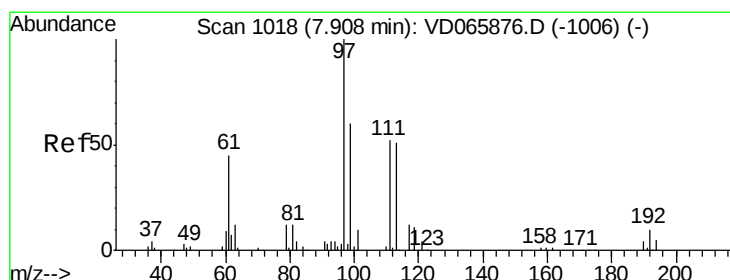
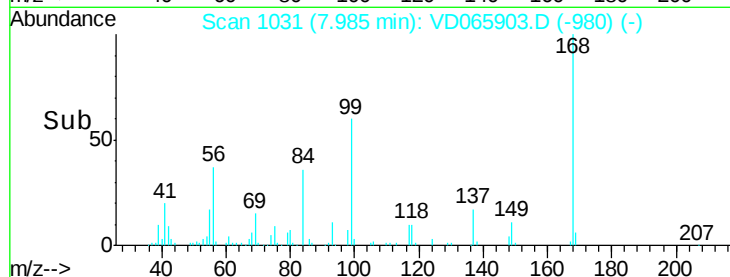
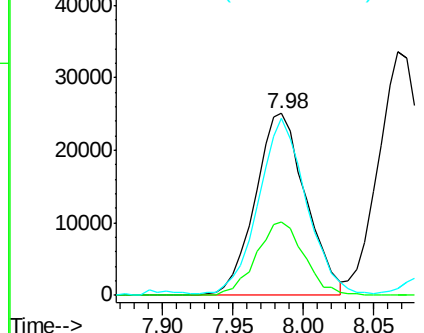
56 100

69 40.6 26.2 39.4#

84 96.5 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: 21.570 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

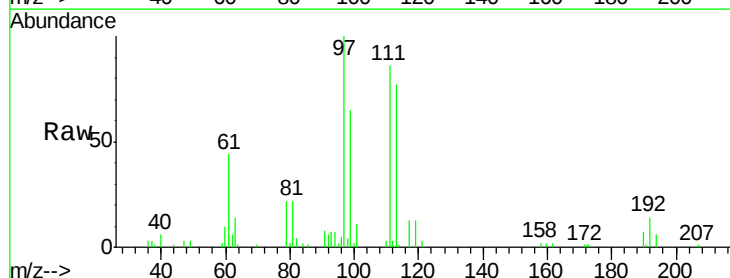
Tgt Ion: 97 Resp: 64497

Ion Ratio Lower Upper

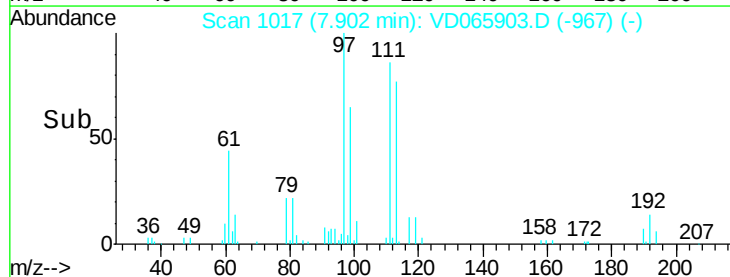
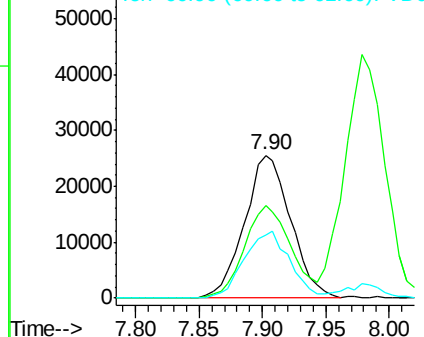
97 100

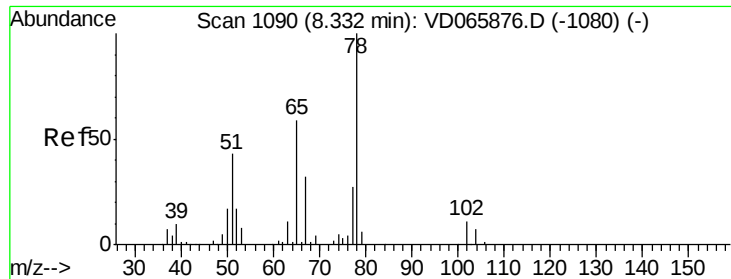
99 66.0 50.2 75.4

61 46.2 36.0 54.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.158 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

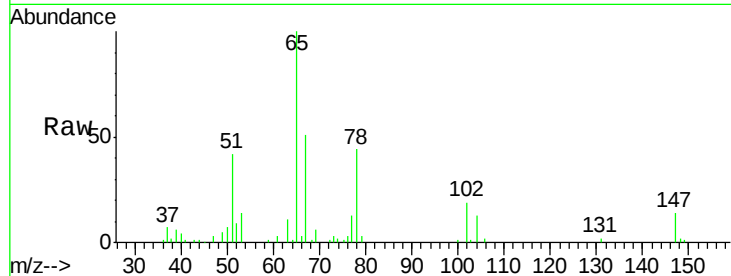
VD0701SBSD01

Tot Ion: 65 Resp: 79485

Ion Ratio Lower Upper

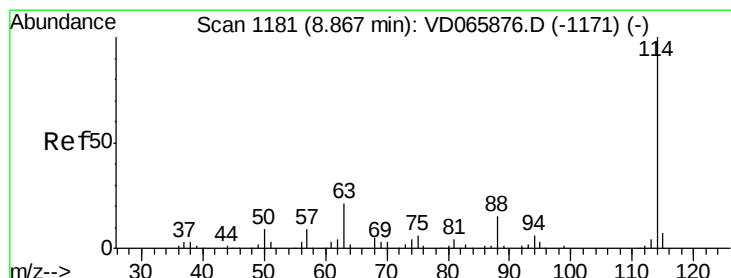
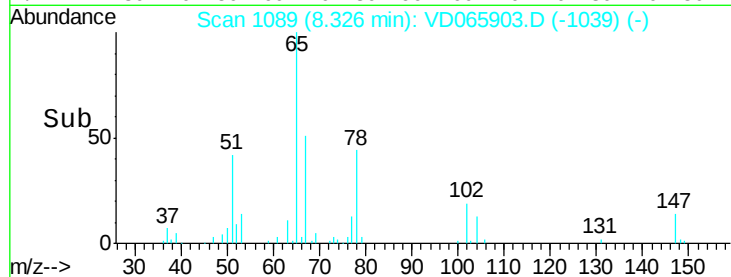
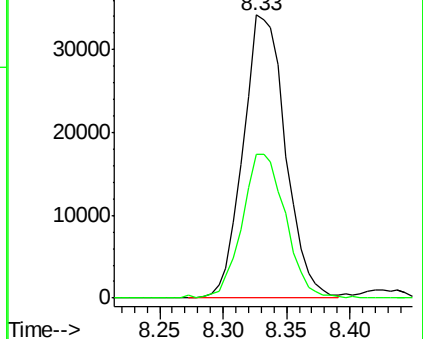
65 100

67 52.0 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: VD065903.D

Acq: 01 Jul 2020 13:32

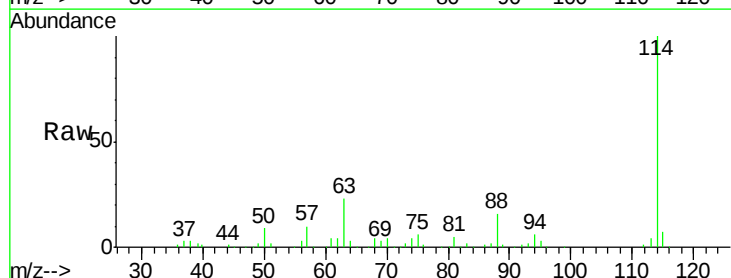
Tgt Ion: 114 Resp: 263595

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.6

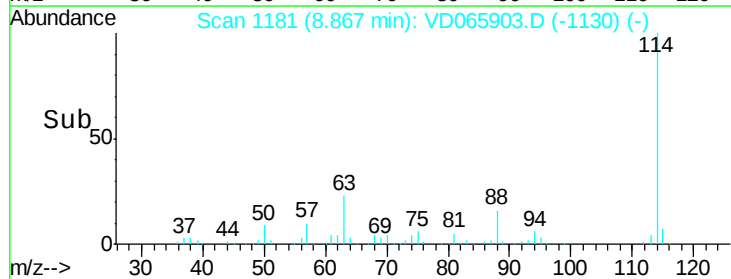
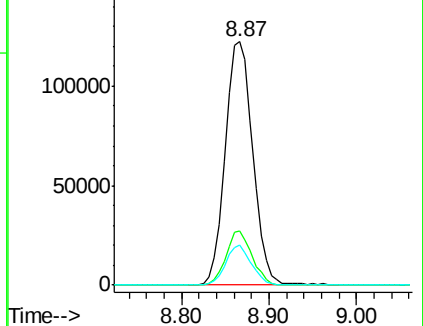
88 16.3 0.0 29.0

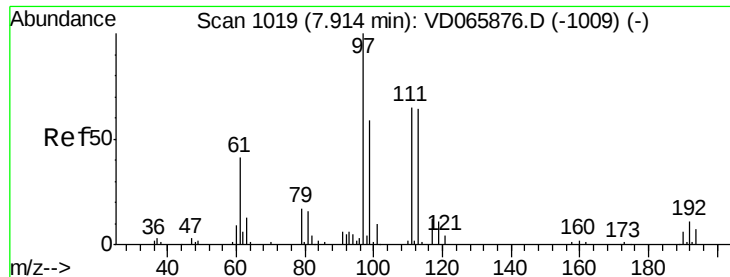


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



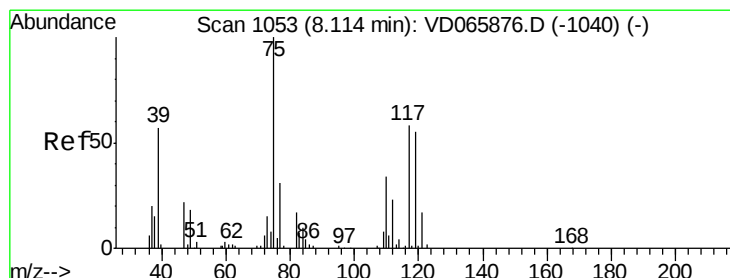
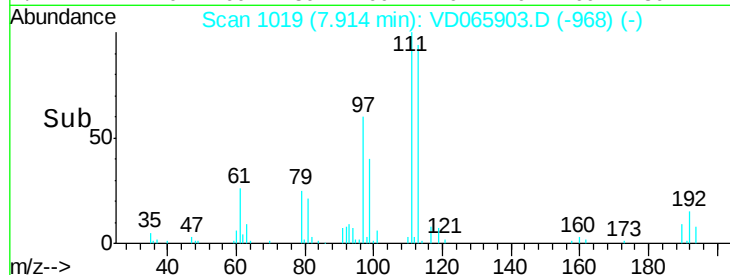
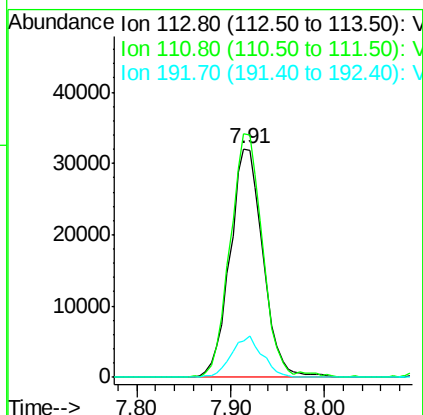
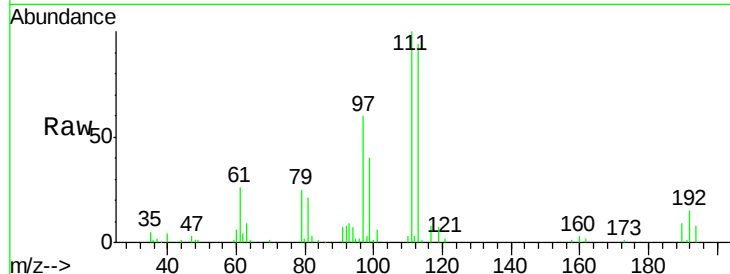


#35
Dibromofluoromethane
Concen: 47.754 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

Tot Ion:113 Resp: 77805

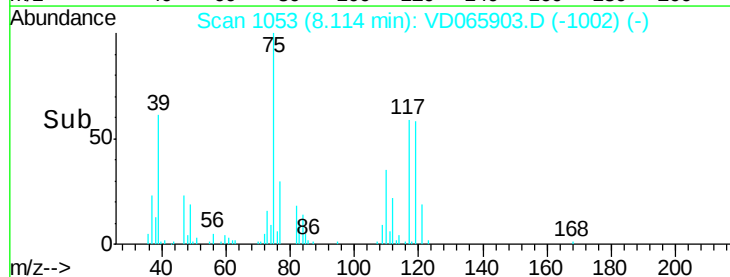
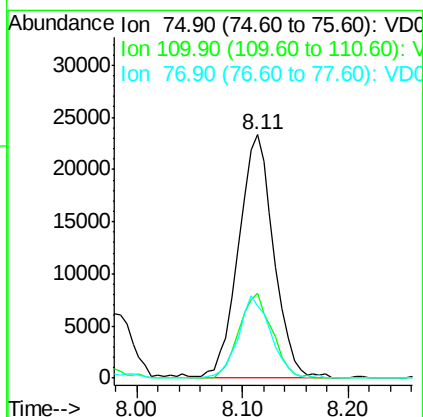
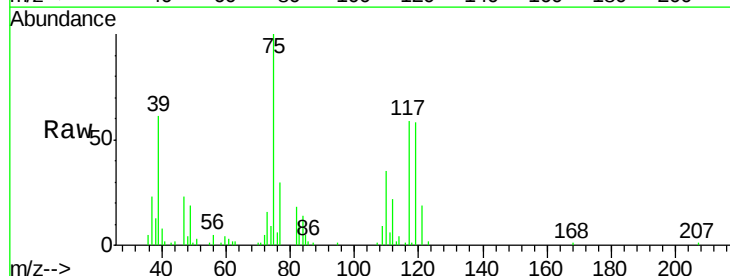
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.6
192	16.9	15.2	22.8

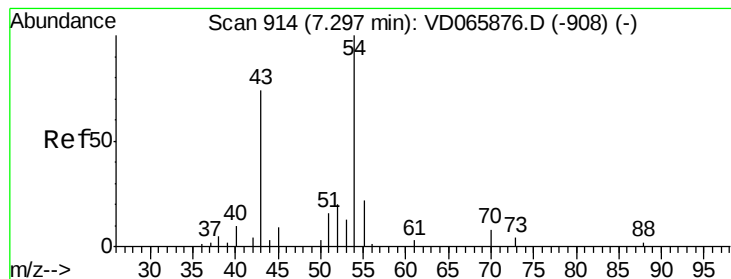


#36
1,1-Dichloropropene
Concen: 20.984 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion: 75 Resp: 53937

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.8	50.4
77	31.1	24.0	36.0





#37

Ethyl Acetate

Concen: 18.943 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

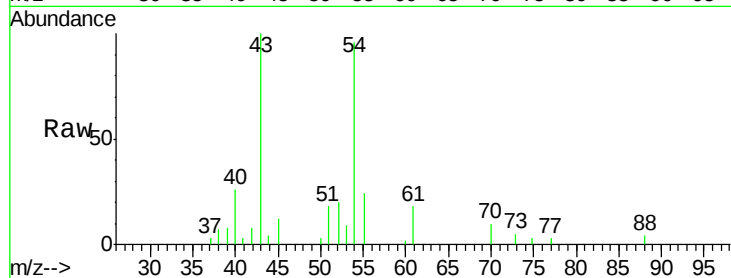
Tot Ion: 43 Resp: 18618

Ion Ratio Lower Upper

43 100

61 15.6 0.0 0.0#

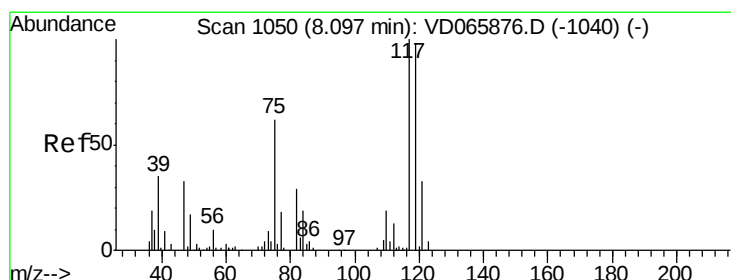
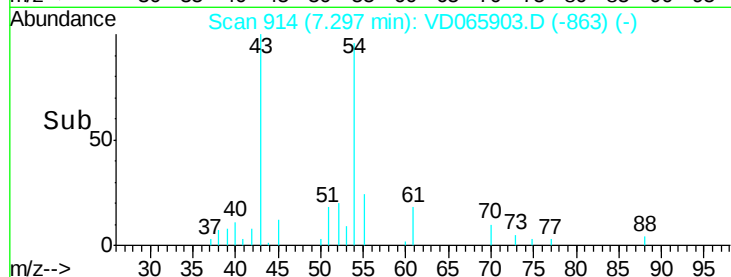
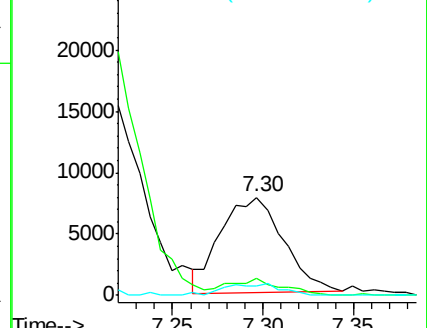
70 10.6 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 22.181 ug/l

RT: 8.09 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

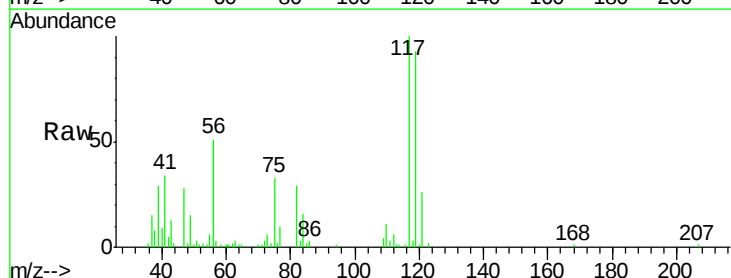
Tgt Ion: 117 Resp: 61565

Ion Ratio Lower Upper

117 100

119 93.4 78.6 117.8

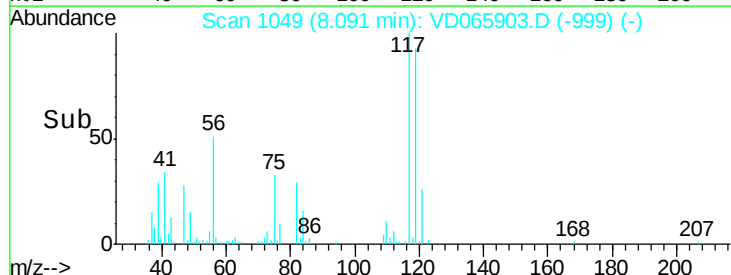
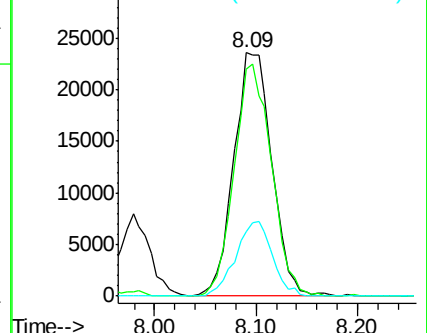
121 26.3 26.5 39.7#

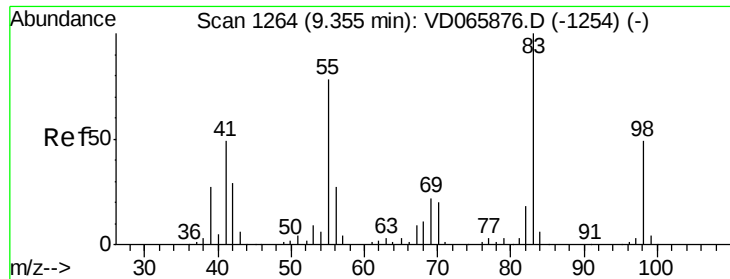


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

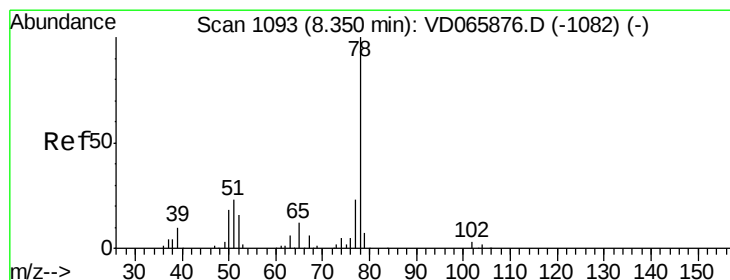
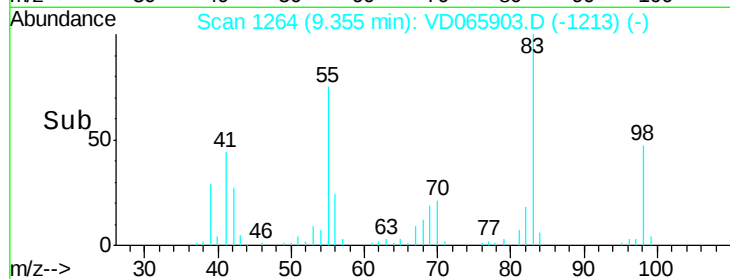
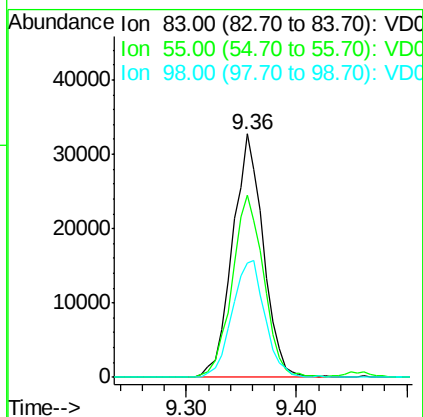
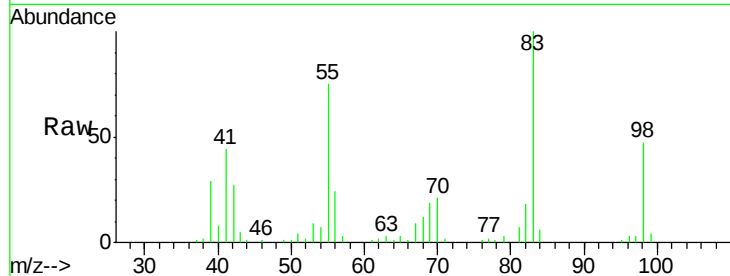




#39
Methvlcvclohexane
Concen: 20.961 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

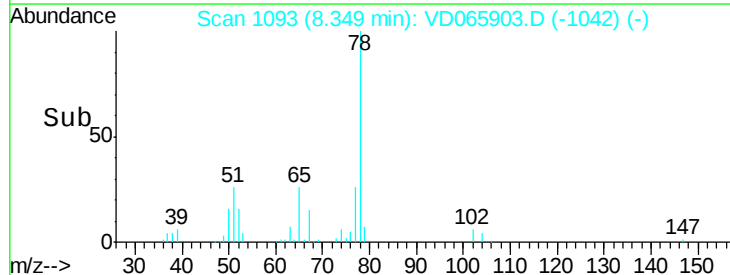
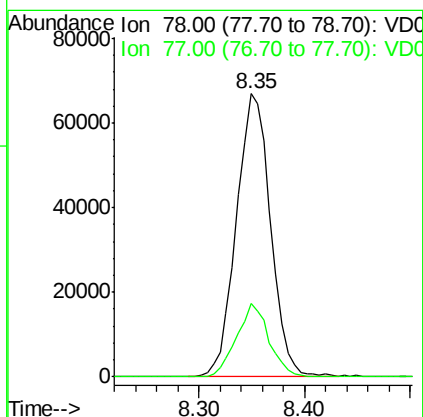
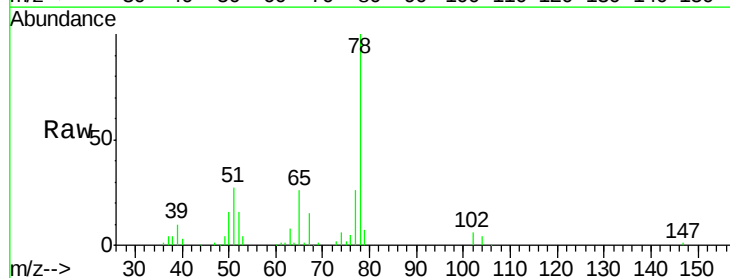
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

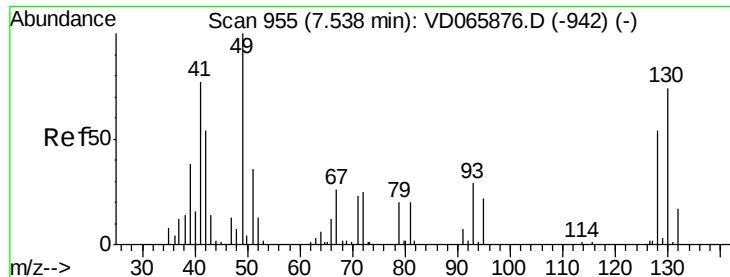
Tot Ion: 83 Resp: 64016
Ion Ratio Lower Upper
83 100
55 74.7 62.2 93.4
98 46.8 39.6 59.4



#40
Benzene
Concen: 21.060 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion: 78 Resp: 150184
Ion Ratio Lower Upper
78 100
77 26.1 18.8 28.2





#41

Methacrylonitrile

Concen: 19.209 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

Tot Ion: 41 Resp: 10358

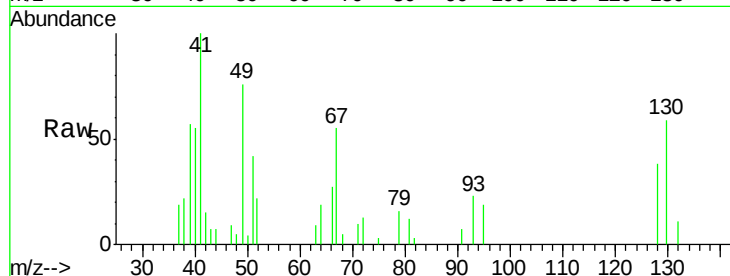
Ion Ratio Lower Upper

41 100

39 64.8 82.7 124.1#

67 80.0 0.0 0.0#

52 34.5 0.0 0.0#

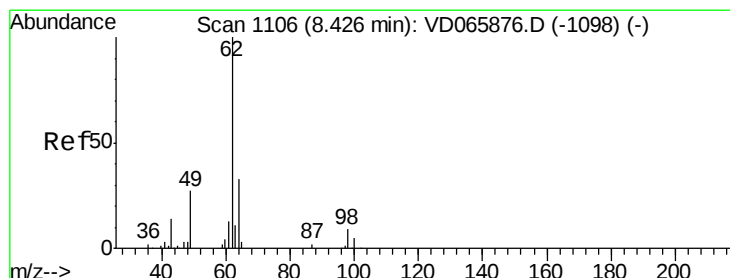
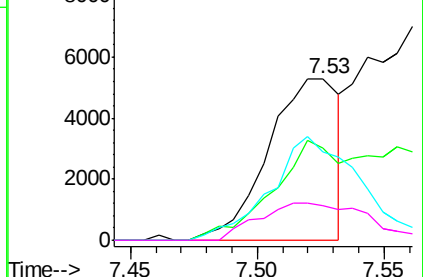
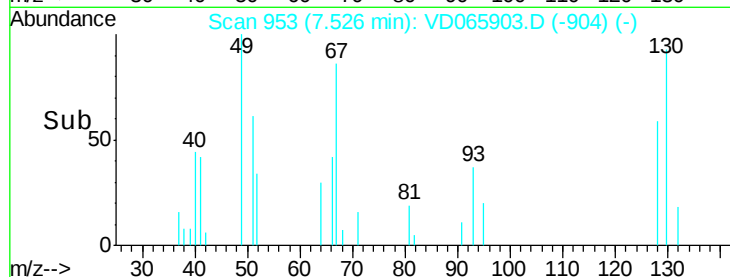


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.759 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065903.D

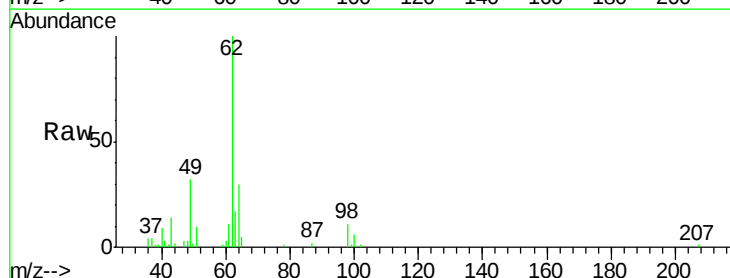
Acq: 01 Jul 2020 13:32

Tgt Ion: 62 Resp: 45775

Ion Ratio Lower Upper

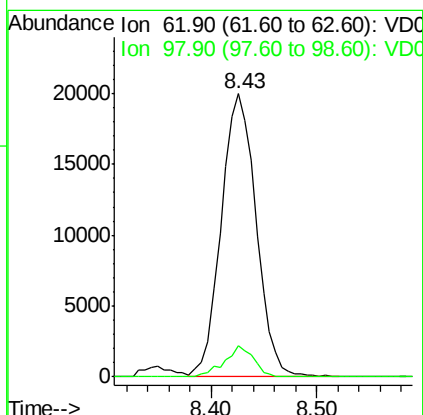
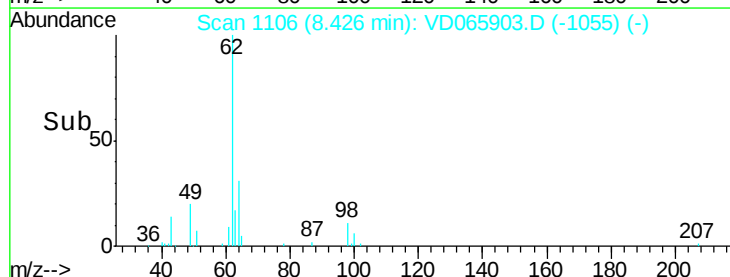
62 100

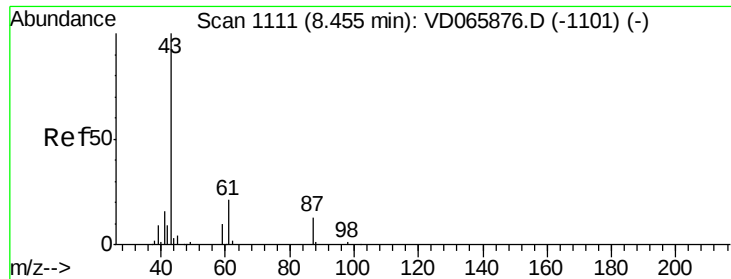
98 9.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.571 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

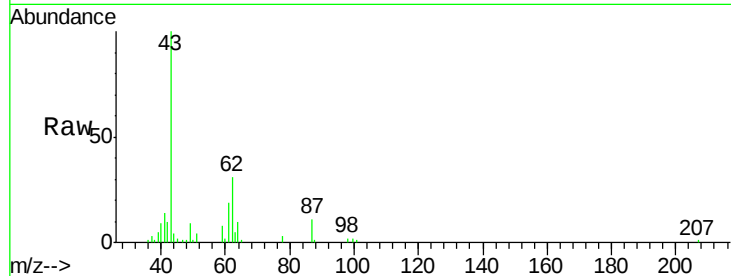
Tot Ion: 43 Resp: 41080

Ion Ratio Lower Upper

43 100

61 28.9 25.2 37.8

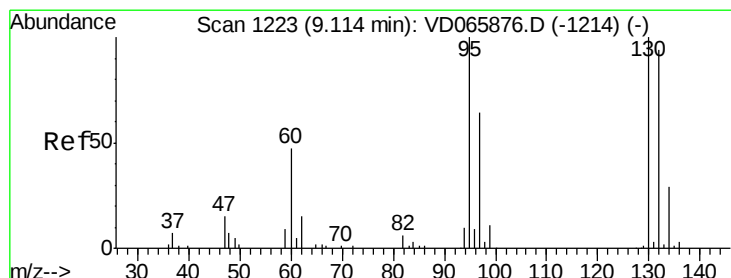
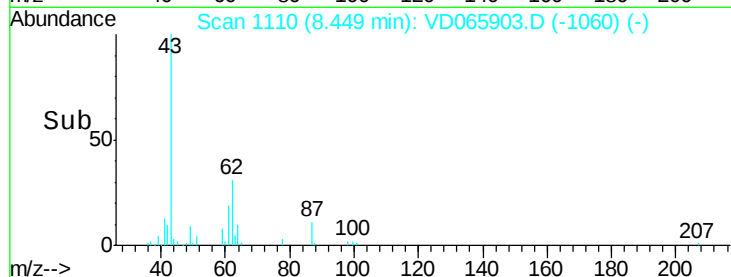
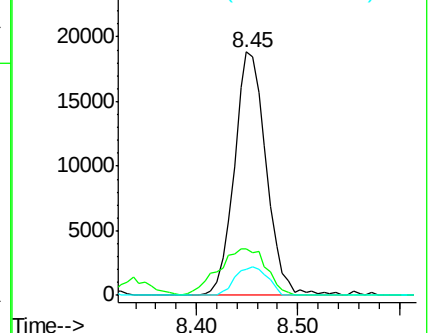
87 11.9 10.4 15.6



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: 20.182 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065903.D

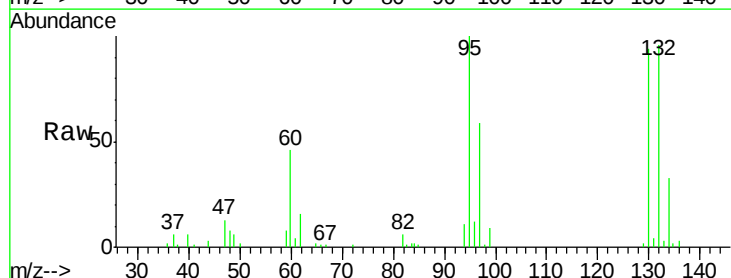
Acq: 01 Jul 2020 13:32

Tgt Ion: 130 Resp: 38989

Ion Ratio Lower Upper

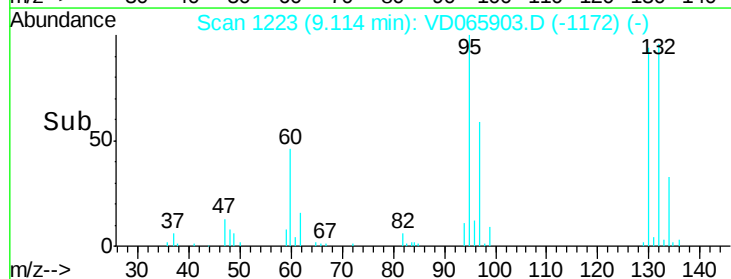
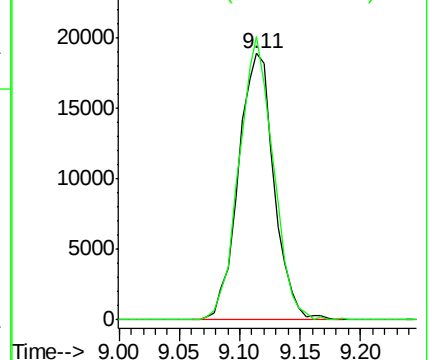
130 100

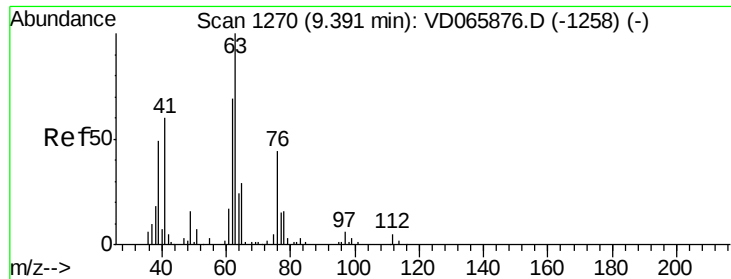
95 106.3 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.443 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

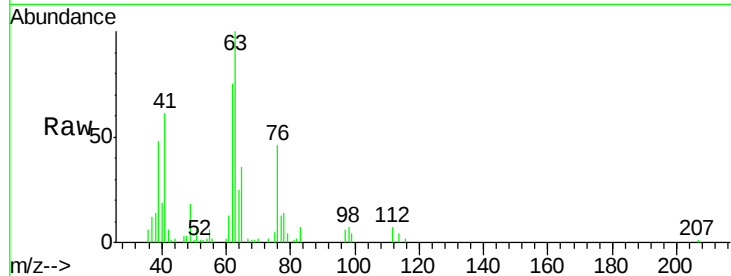
VD0701SBSD01

Tot Ion: 63 Resp: 36629

Ion Ratio Lower Upper

63 100

65 36.5 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

20000

15000

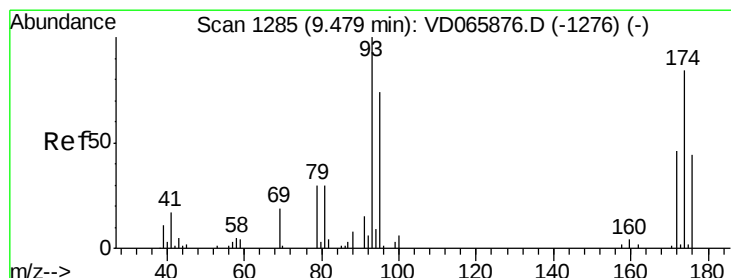
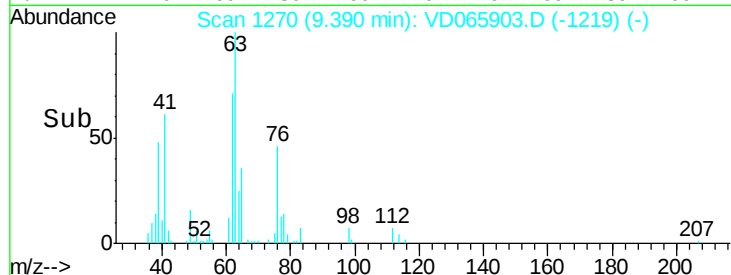
10000

5000

0

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 19.787 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

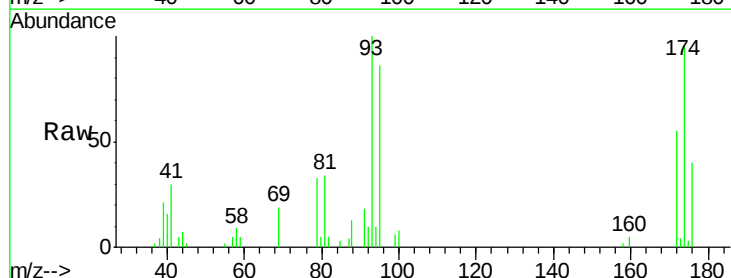
Tgt Ion: 93 Resp: 18737

Ion Ratio Lower Upper

93 100

95 83.4 65.4 98.0

174 95.8 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): V

9.48

12000

10000

8000

6000

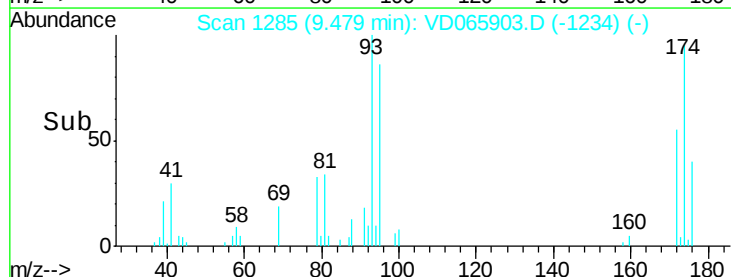
4000

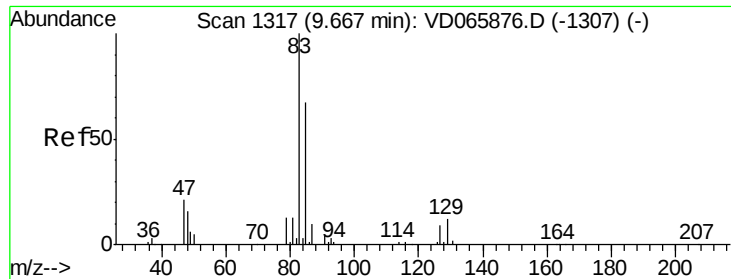
2000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 21.012 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

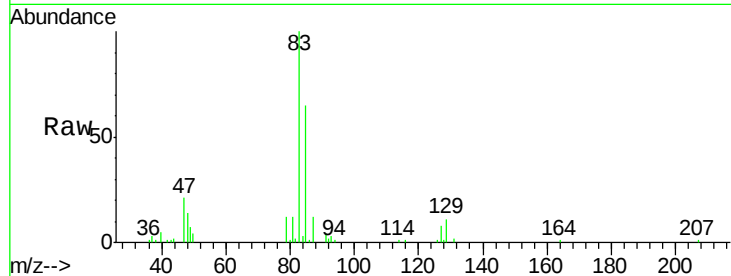
Tot Ion: 83 Resp: 52870

Ion Ratio Lower Upper

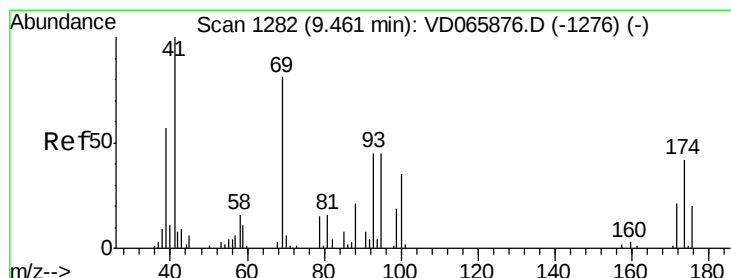
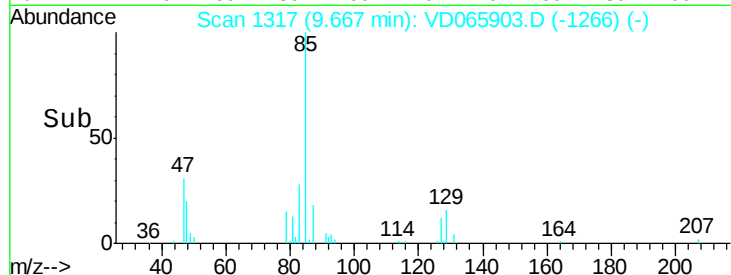
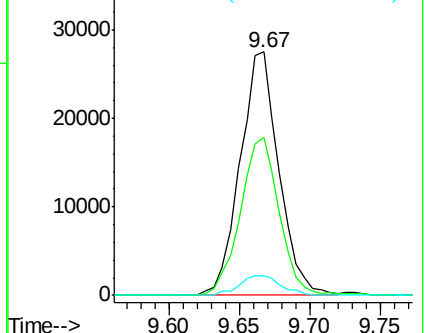
83 100

85 64.7 53.9 80.9

127 8.0 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): V



#48

Methyl methacrylate

Concen: 22.393 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

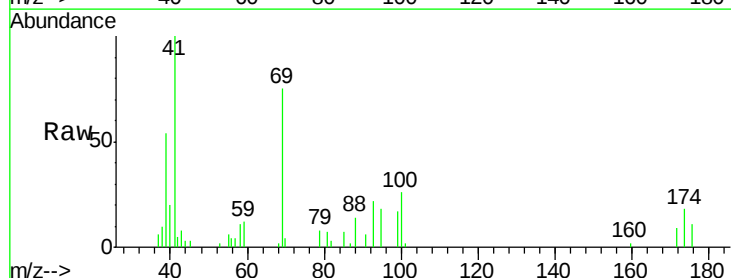
Tgt Ion: 41 Resp: 20904

Ion Ratio Lower Upper

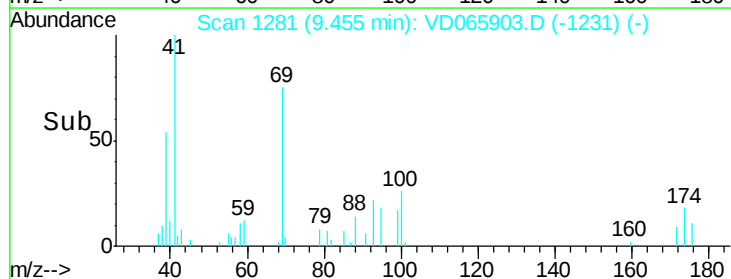
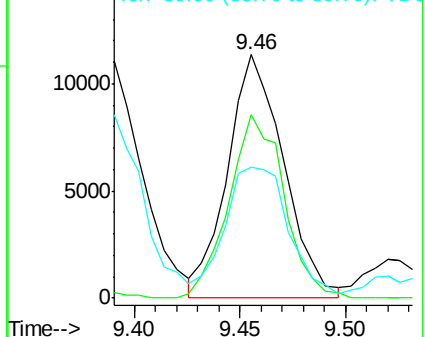
41 100

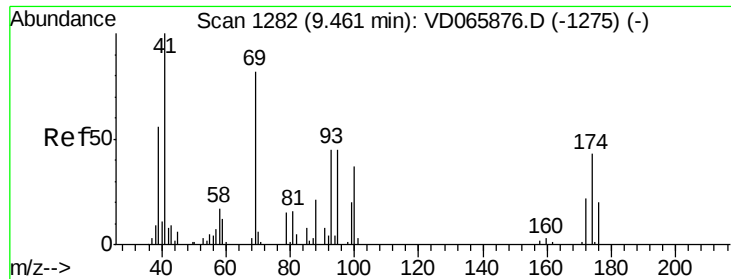
69 74.0 68.3 102.5

39 57.6 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

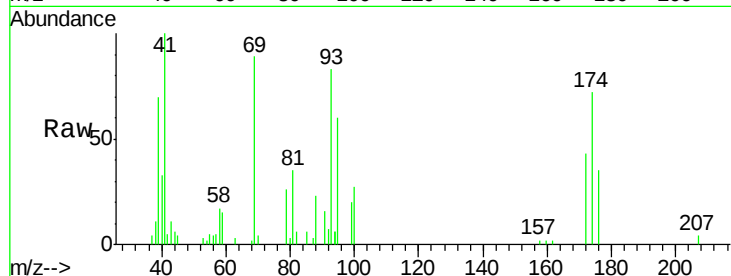




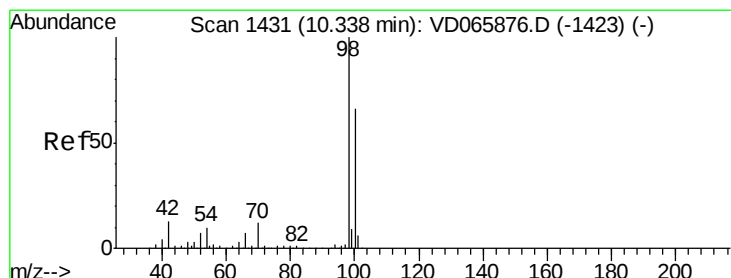
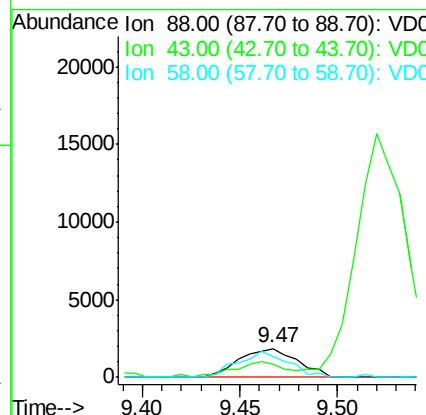
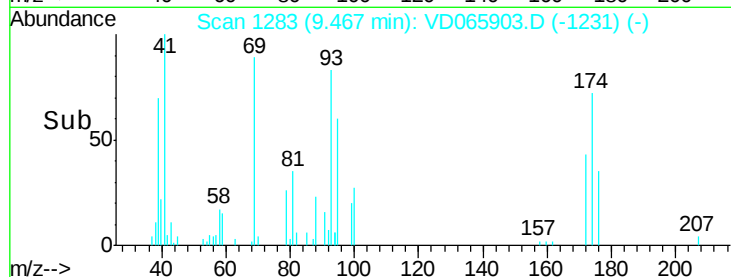
#49
1,4-Dioxane
Concen: 395.716 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

Tot Ion: 88 Resp: 3833
Ion Ratio Lower Upper
88 100
43 49.0 35.8 53.8
58 78.7 58.6 87.8

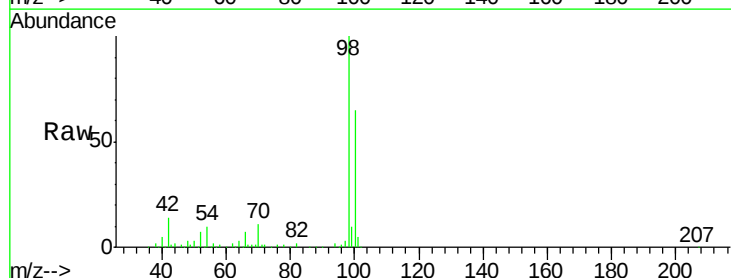


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

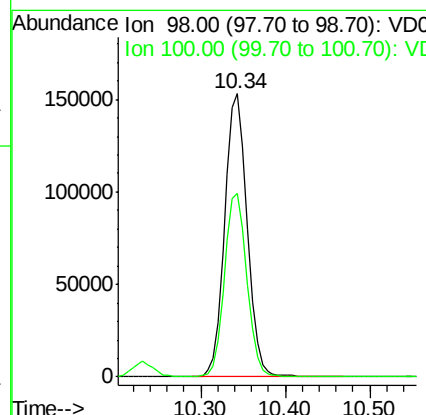
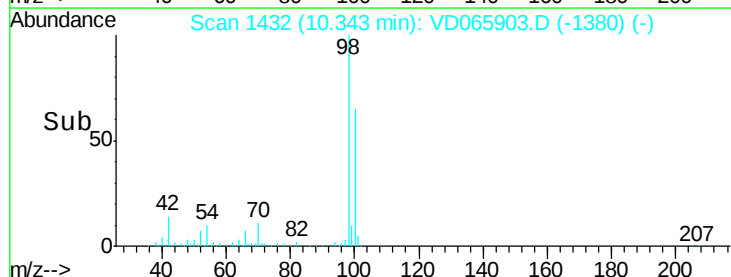


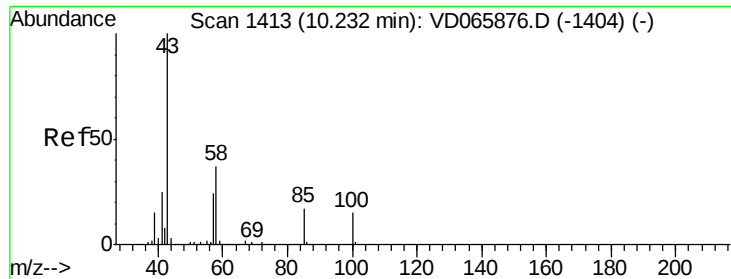
#50
Toluene-d8
Concen: 46.210 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion: 98 Resp: 283218
Ion Ratio Lower Upper
98 100
100 64.7 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: 98.185 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

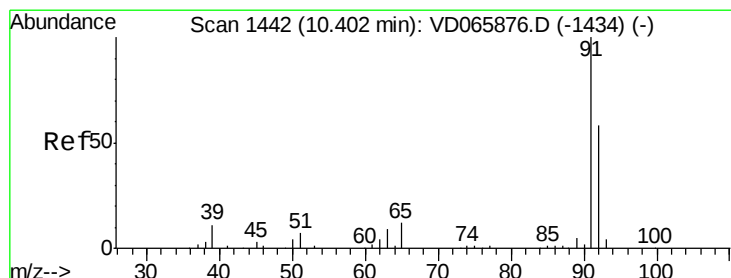
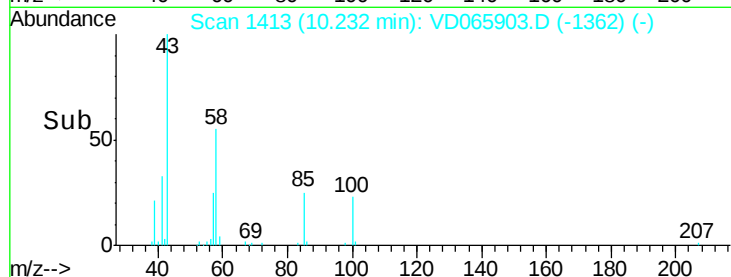
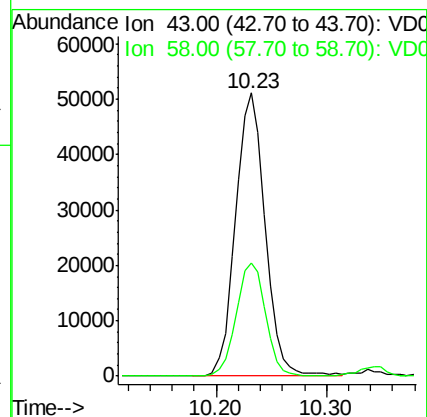
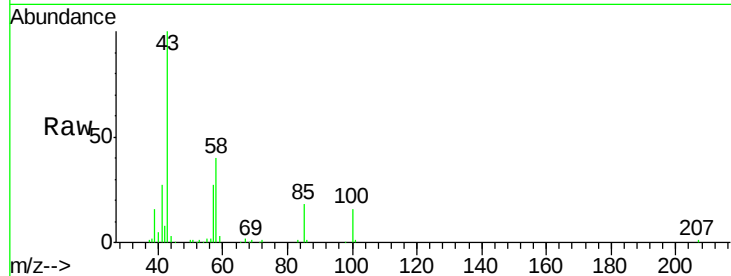
VD0701SBS01

Tot Ion: 43 Resp: 96386

Ion Ratio Lower Upper

43 100

58 39.3 29.5 44.3



#52

Toluene

Concen: 19.932 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065903.D

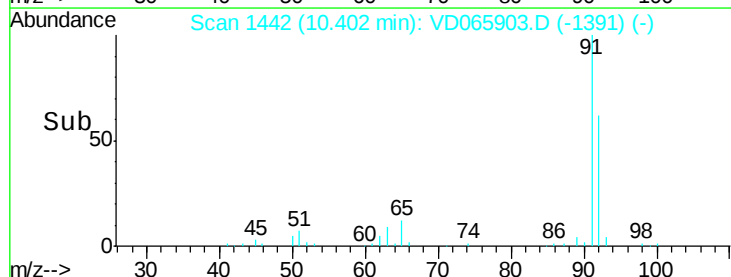
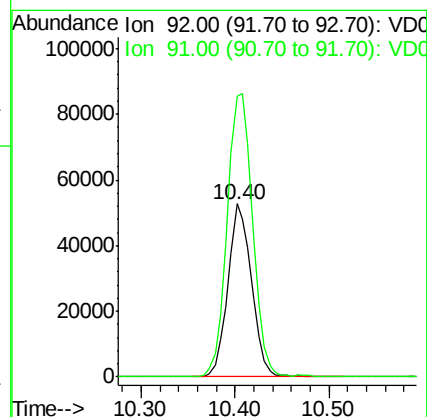
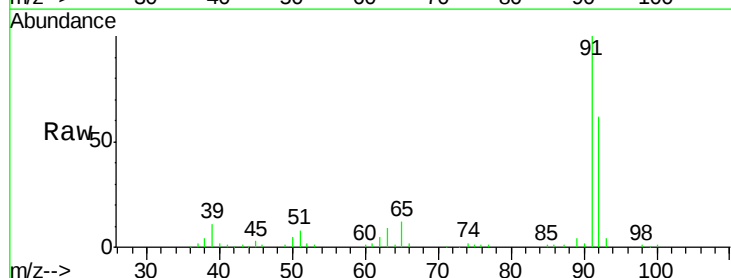
Acq: 01 Jul 2020 13:32

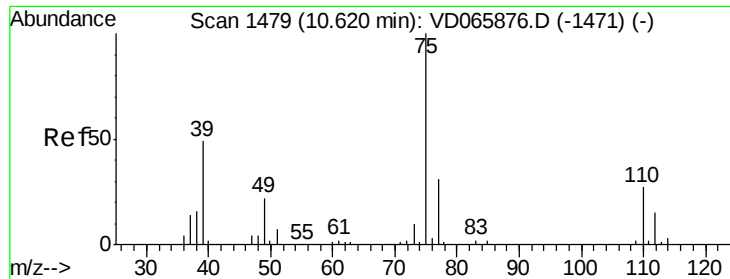
Tgt Ion: 92 Resp: 92412

Ion Ratio Lower Upper

92 100

91 175.4 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 20.148 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

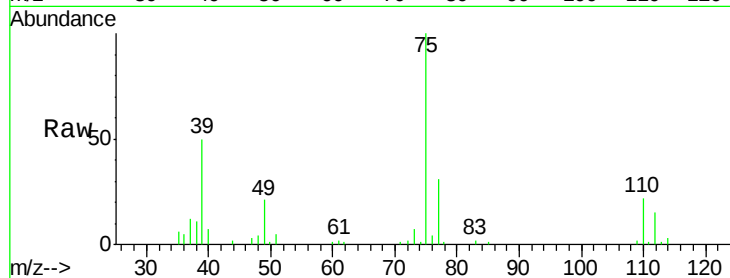
VD0701SBSD01

Tot Ion: 75 Resp: 48392

Ion Ratio Lower Upper

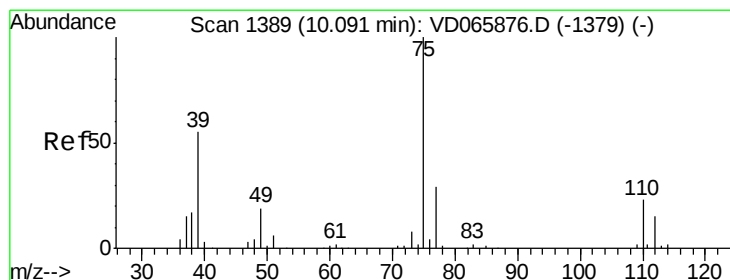
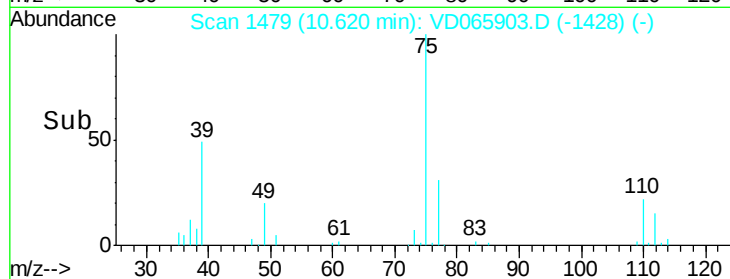
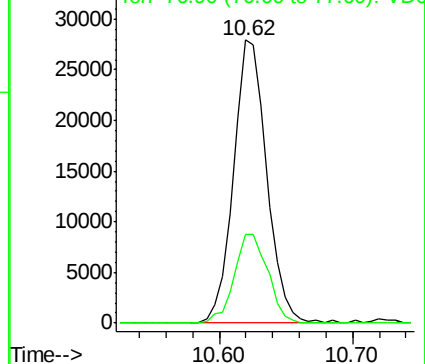
75 100

77 31.2 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.272 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

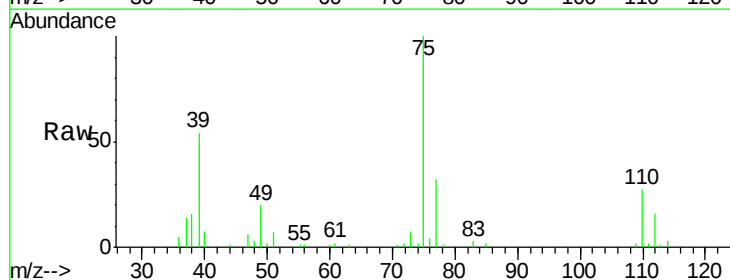
Tgt Ion: 75 Resp: 57172

Ion Ratio Lower Upper

75 100

77 32.0 23.4 35.0

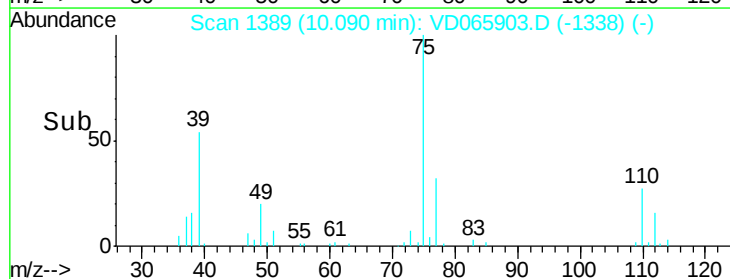
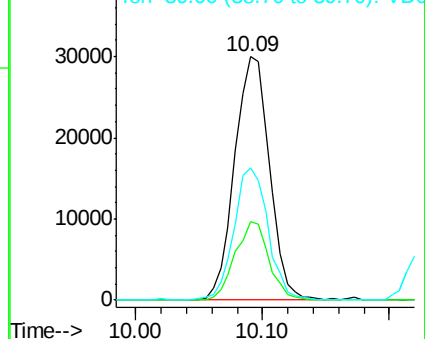
39 54.2 43.9 65.9

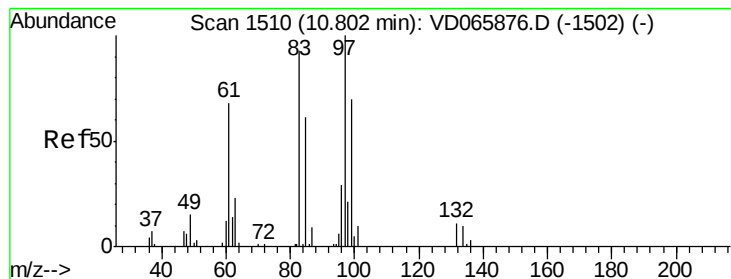


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 19.764 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

Tot Ion: 97 Resp: 24801

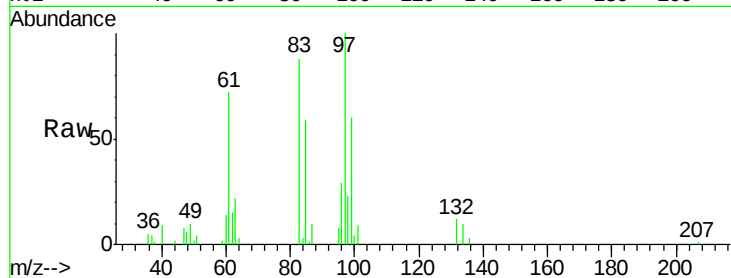
Ion Ratio Lower Upper

97 100

83 88.1 74.2 111.4

85 58.8 48.8 73.2

99 59.6 55.9 83.9

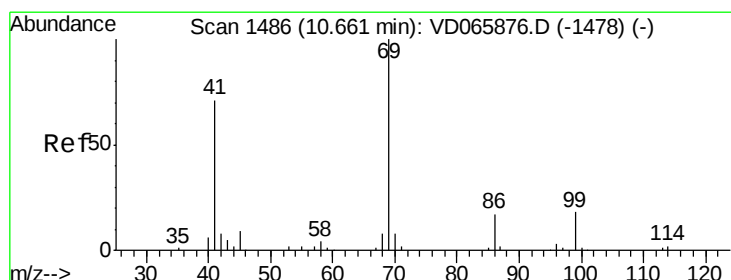
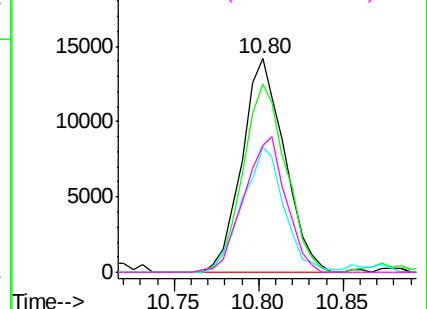
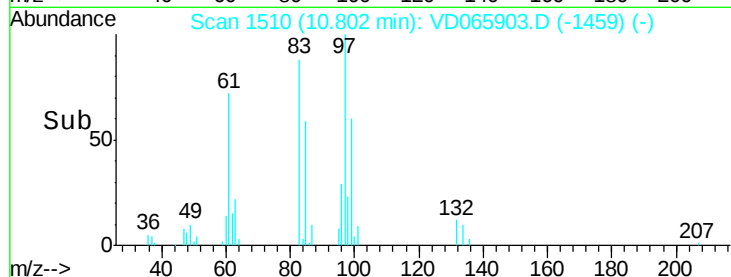


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.760 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

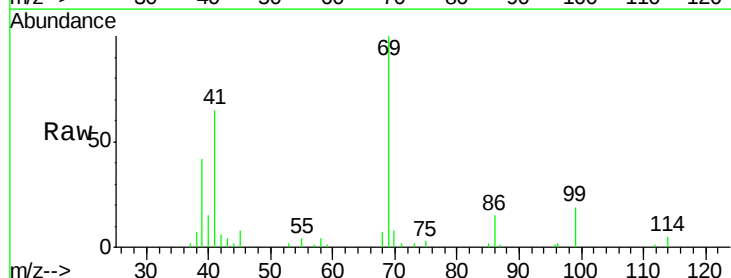
Tgt Ion: 69 Resp: 30789

Ion Ratio Lower Upper

69 100

41 67.9 55.4 83.2

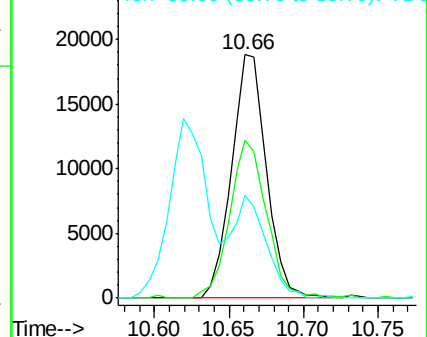
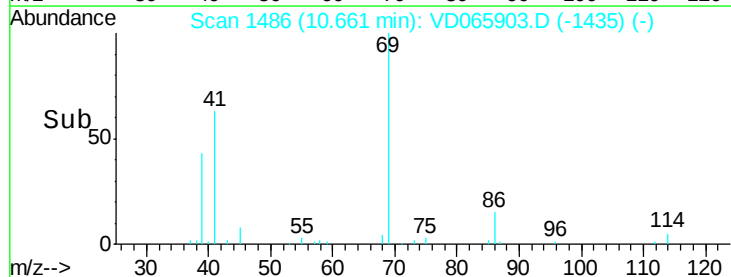
39 41.4 33.0 49.4

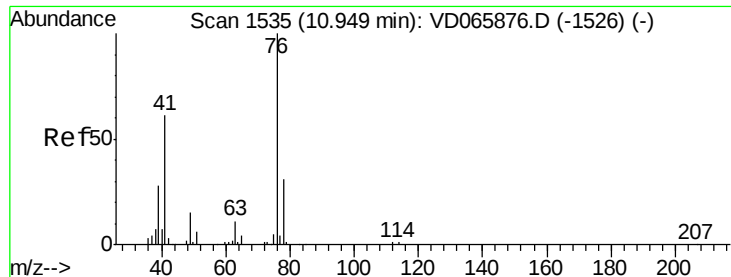


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 20.581 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

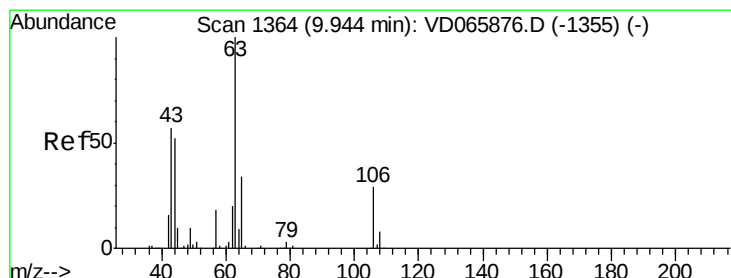
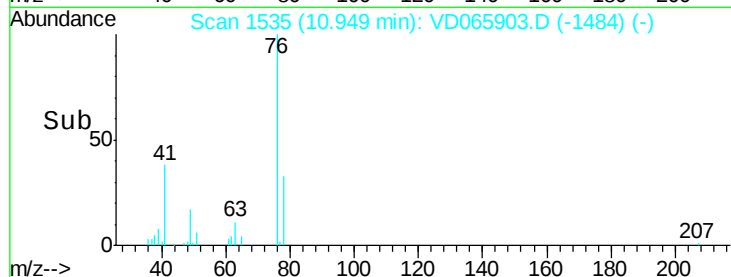
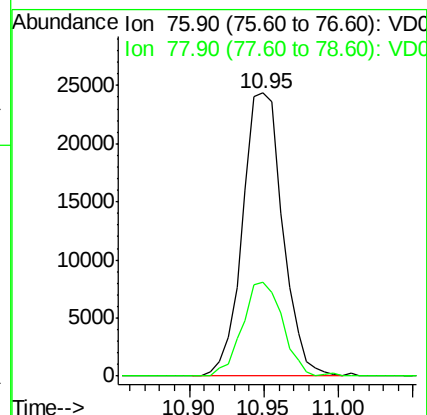
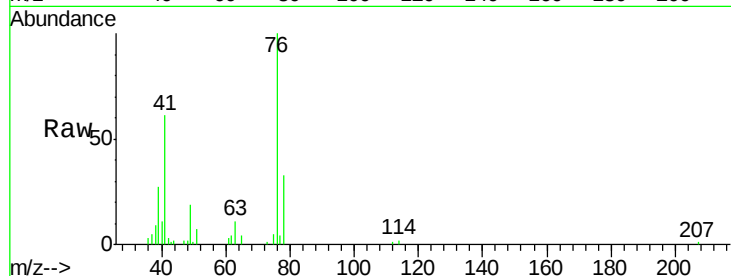
VD0701SBS01

Tot Ion: 76 Resp: 45302

Ion Ratio Lower Upper

76 100

78 33.0 25.1 37.7



#58

2-Chloroethyl Vinyl ether

Concen: 97.894 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065903.D

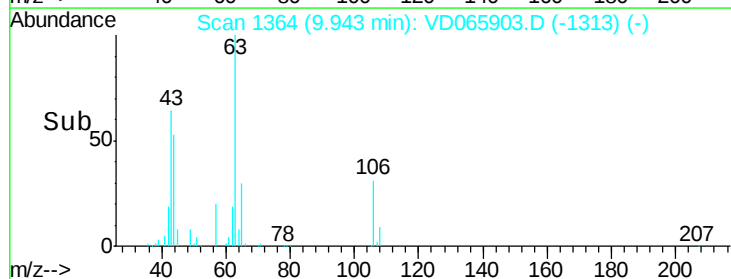
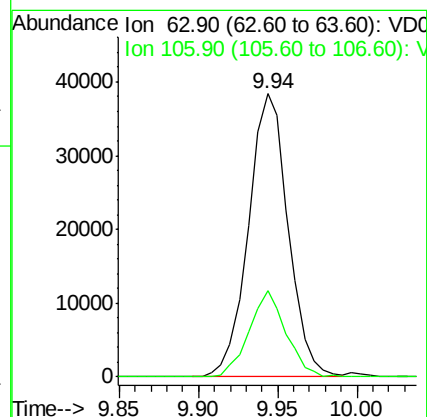
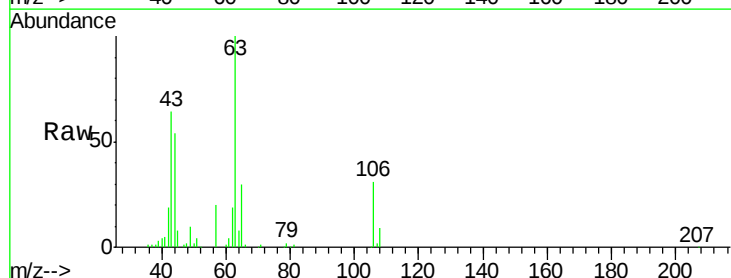
Acq: 01 Jul 2020 13:32

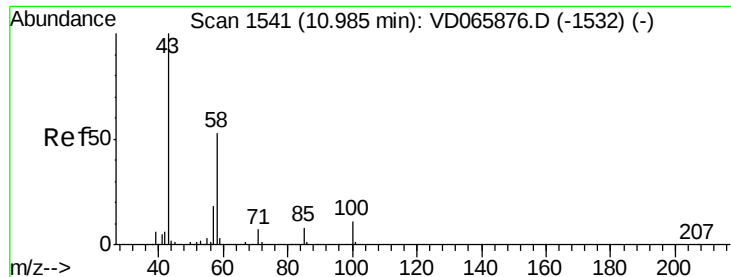
Tgt Ion: 63 Resp: 66859

Ion Ratio Lower Upper

63 100

106 28.4 22.6 34.0

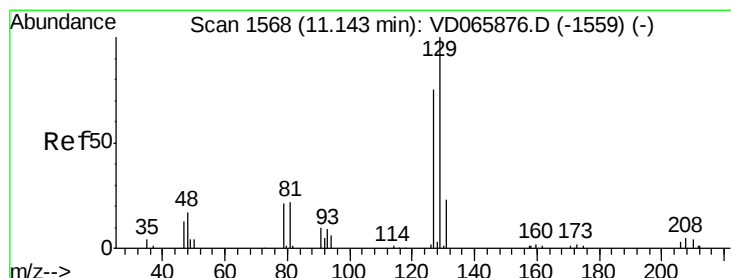
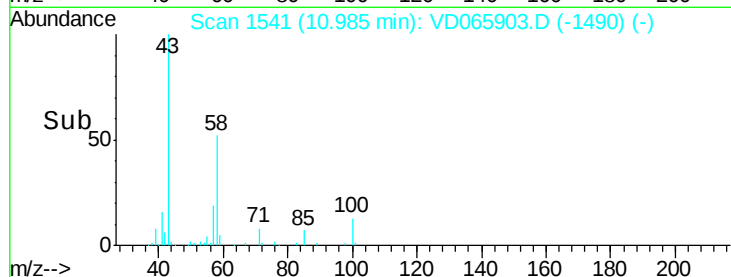
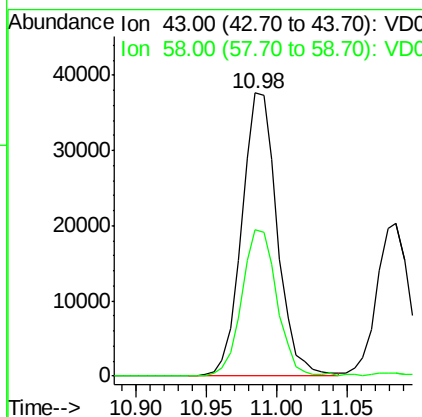
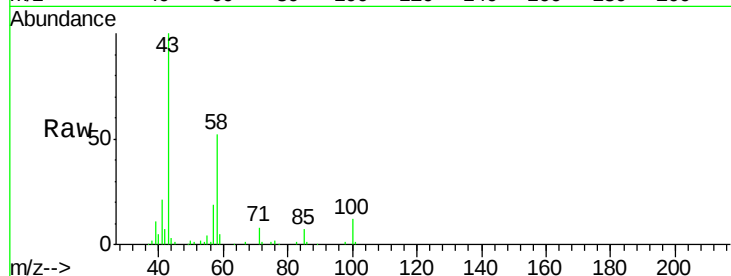




#59
2-Hexanone
Concen: 96.238 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

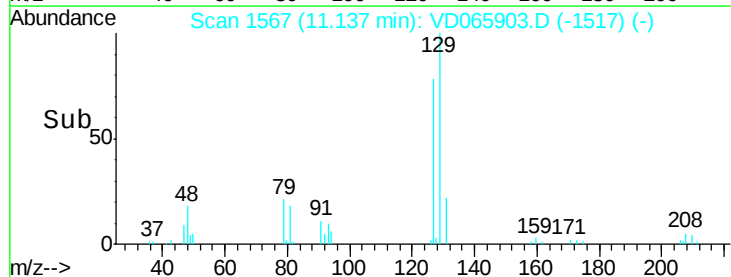
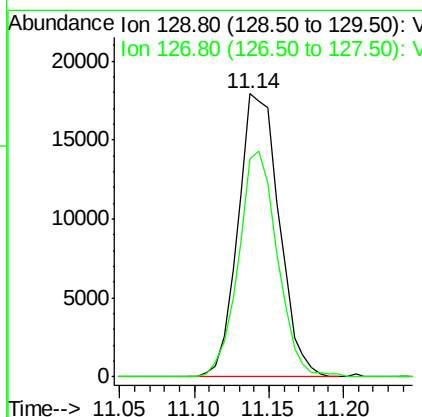
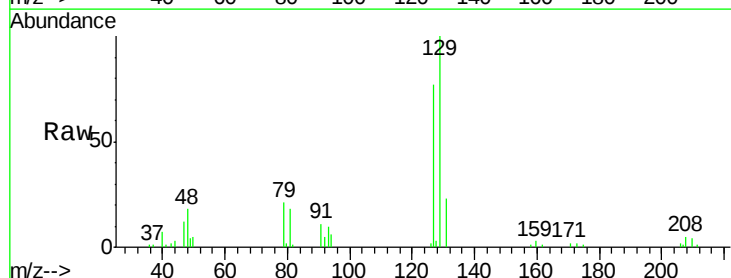
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

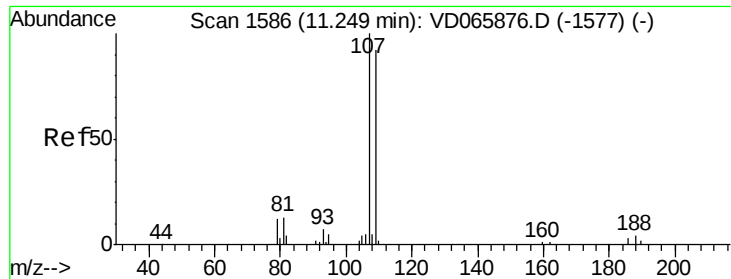
Tot Ion: 43 Resp: 66222
Ion Ratio Lower Upper
43 100
58 50.8 26.1 78.3



#60
Dibromochloromethane
Concen: 19.940 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion: 129 Resp: 34178
Ion Ratio Lower Upper
129 100
127 75.5 39.1 117.2

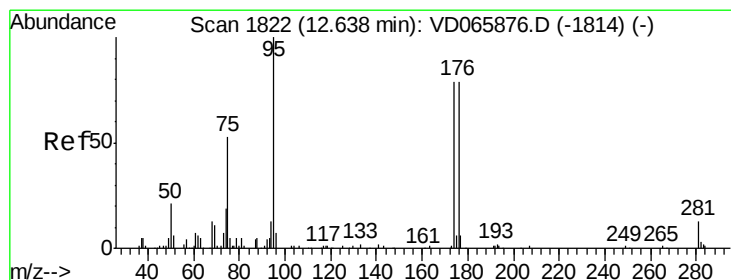
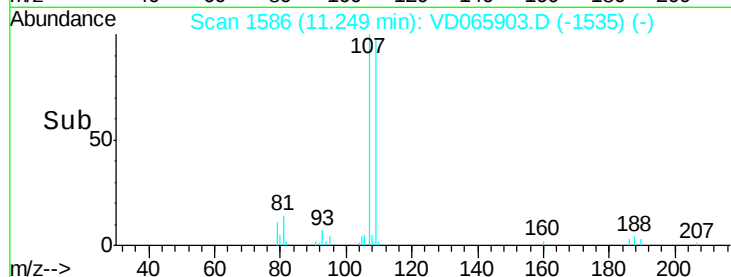
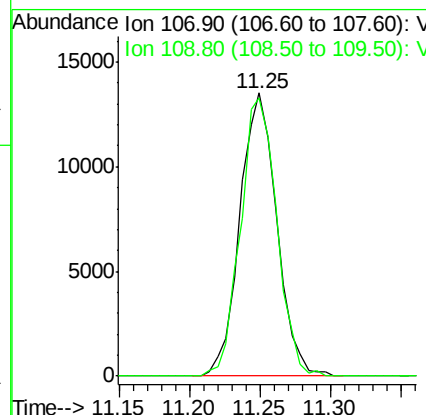
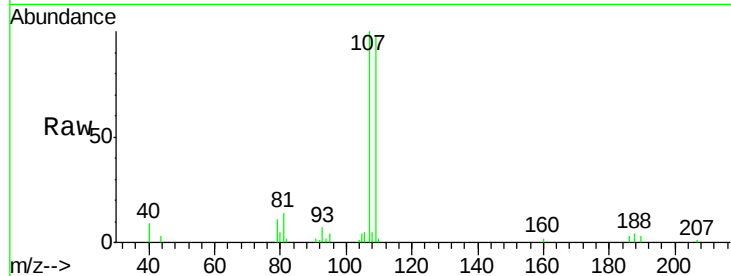




#61
 1,2-Dibromoethane
 Concen: 20.144 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065903.D
 Acq: 01 Jul 2020 13:32

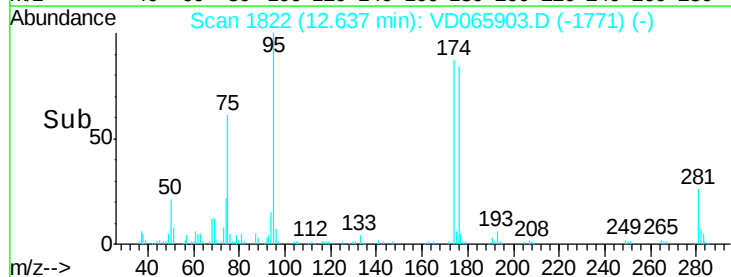
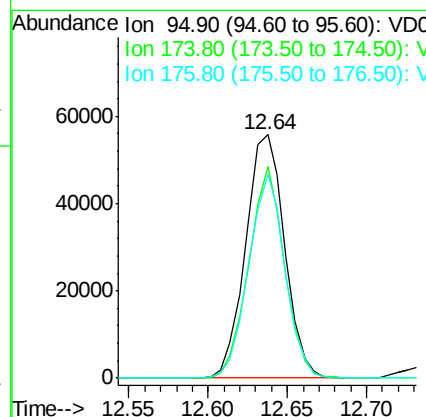
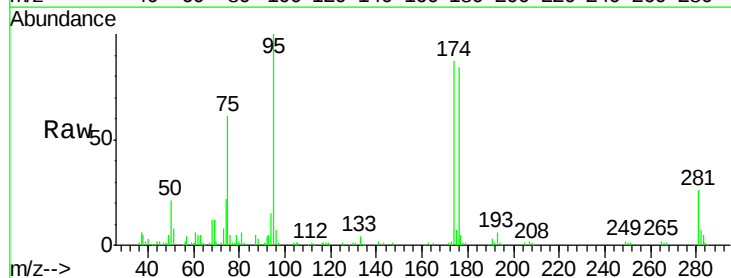
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD01

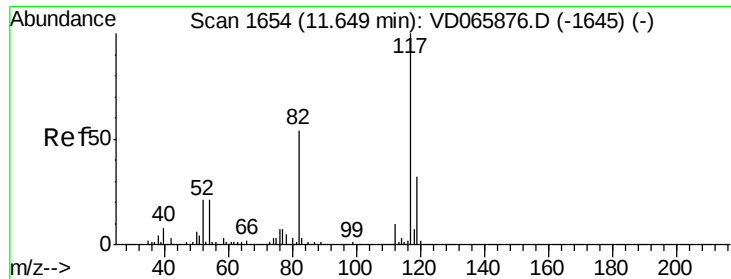
Tot Ion:107 Resp: 24740
 Ion Ratio Lower Upper
 107 100
 109 96.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 47.308 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065903.D
 Acq: 01 Jul 2020 13:32

Tgt Ion: 95 Resp: 94985
 Ion Ratio Lower Upper
 95 100
 174 79.7 0.0 158.4
 176 78.4 0.0 156.0

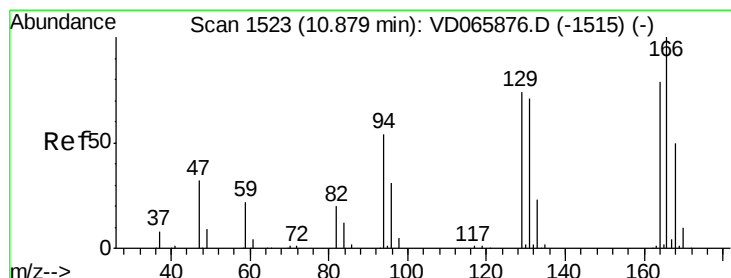
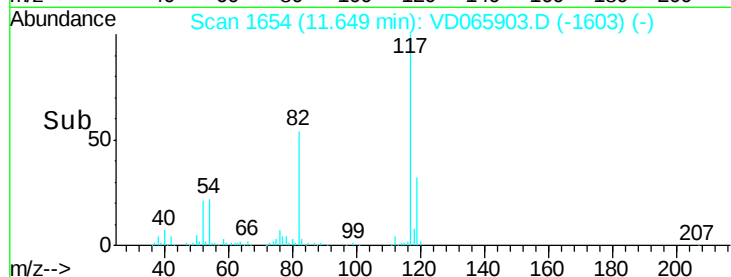
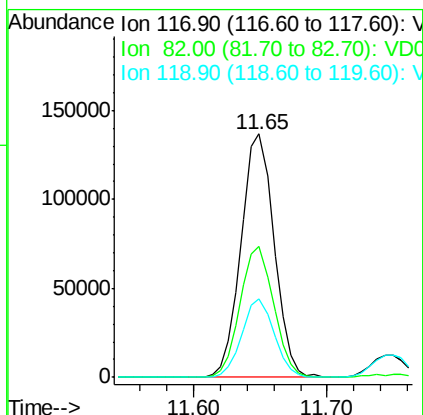
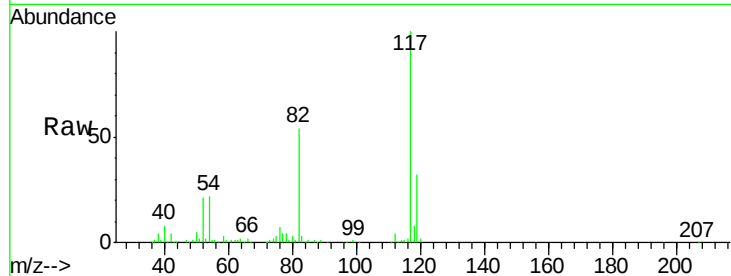




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

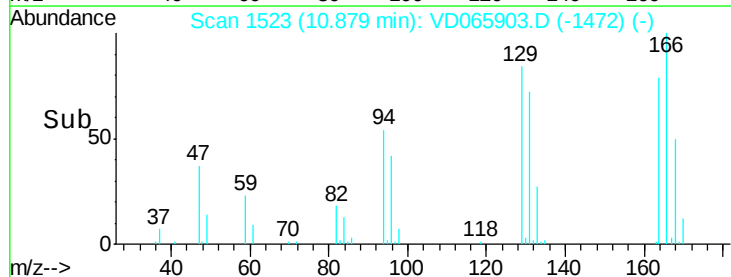
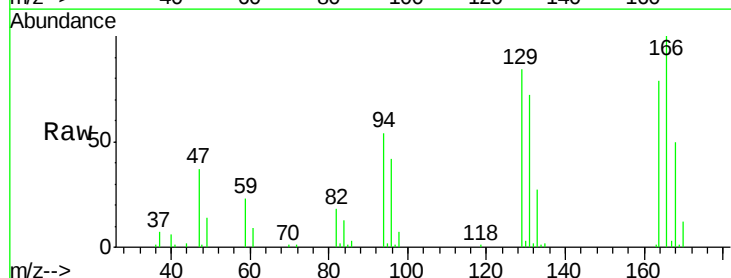
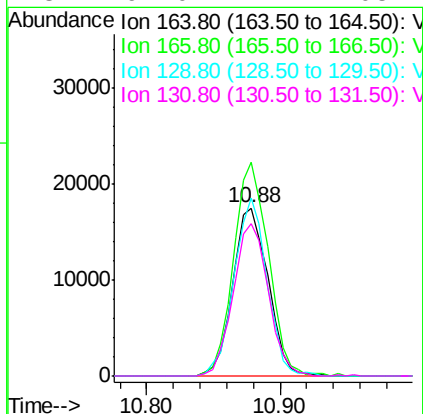
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

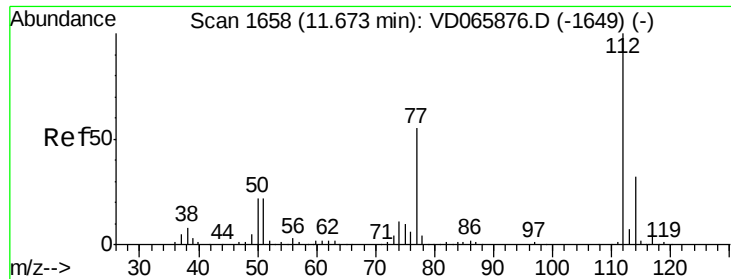
Tot Ion:117 Resp: 235420
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.4 25.9 38.9



#64
Tetrachloroethene
Concen: 20.872 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion:164 Resp: 32087
Ion Ratio Lower Upper
164 100
166 127.2 101.3 151.9
129 106.3 74.5 111.7
131 91.0 72.2 108.4





#65

Chlorobenzene

Concen: 20.541 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

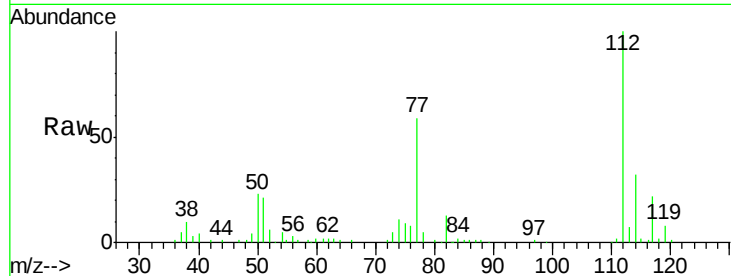
VD0701SBSD01

Tot Ion:112 Resp: 95919

Ion Ratio Lower Upper

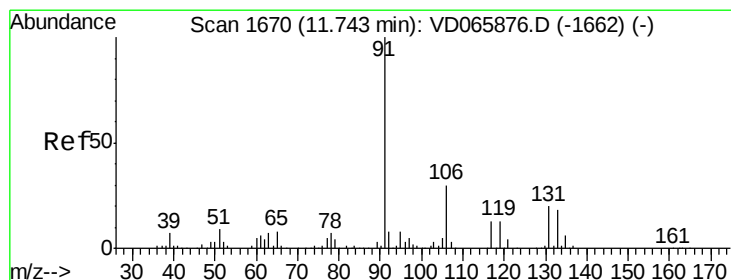
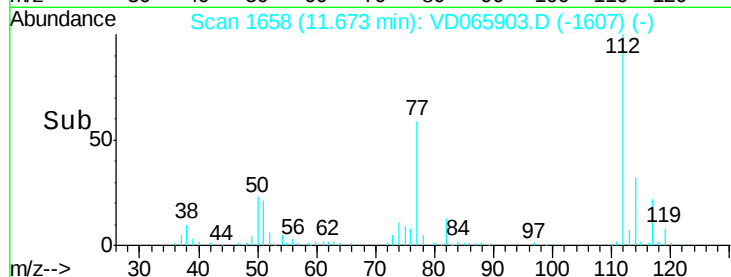
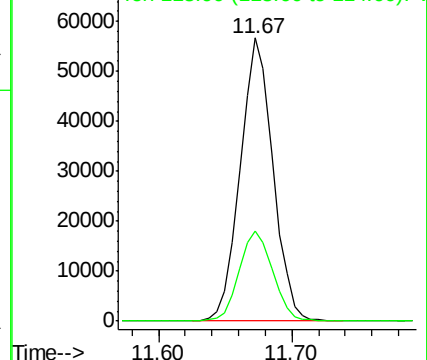
112 100

114 31.8 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: 19.924 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

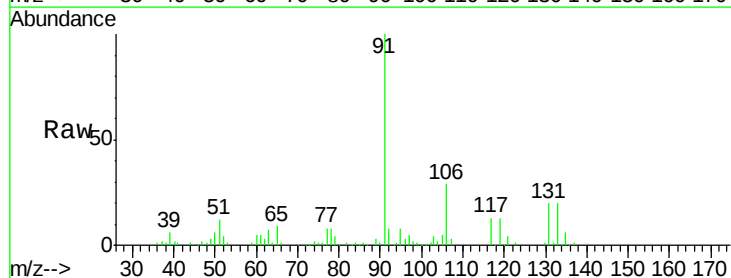
Tgt Ion:131 Resp: 34659

Ion Ratio Lower Upper

131 100

133 100.6 48.1 144.3

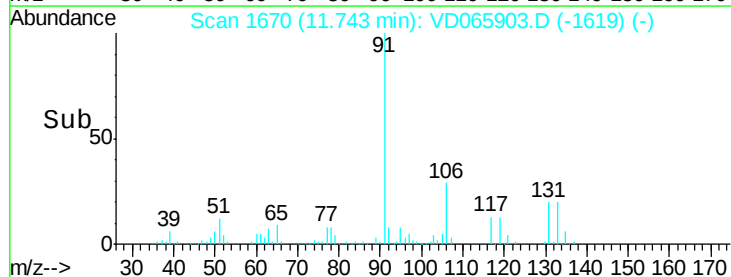
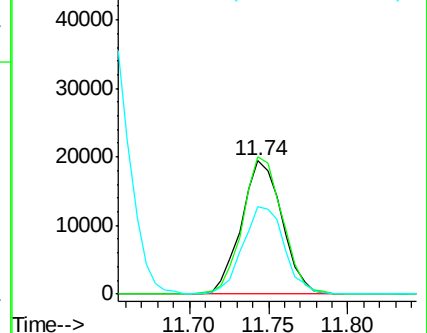
119 67.1 33.0 98.9

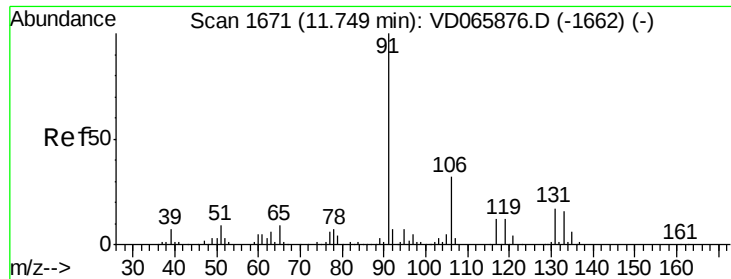


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

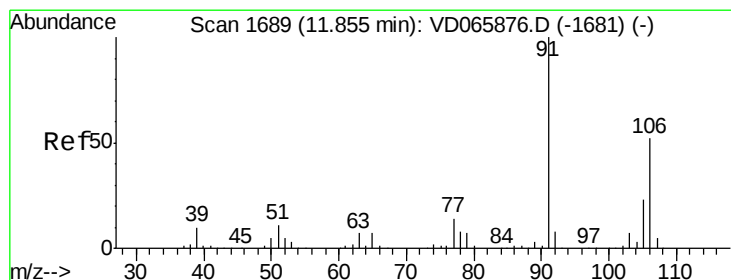
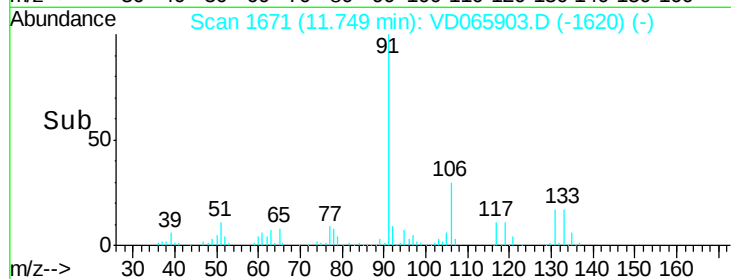
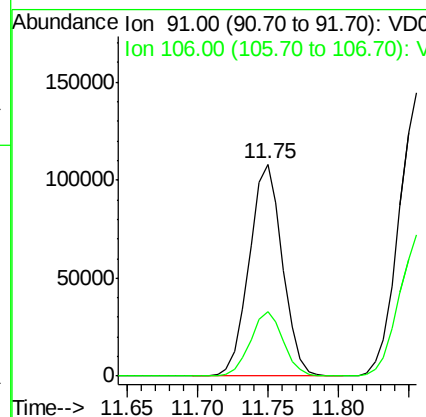
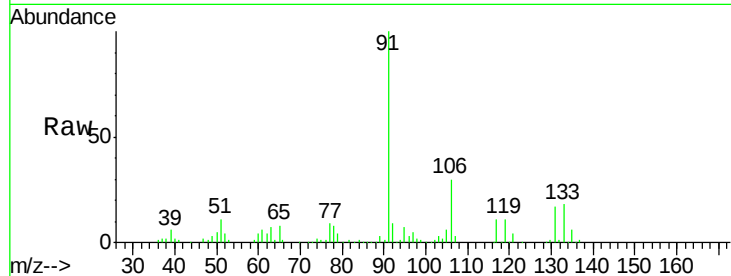




#67
Ethyl Benzene
Concen: 20.536 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

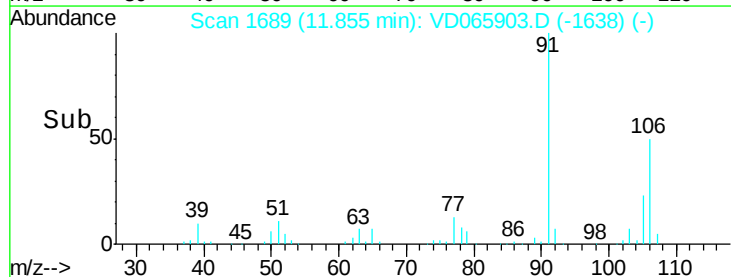
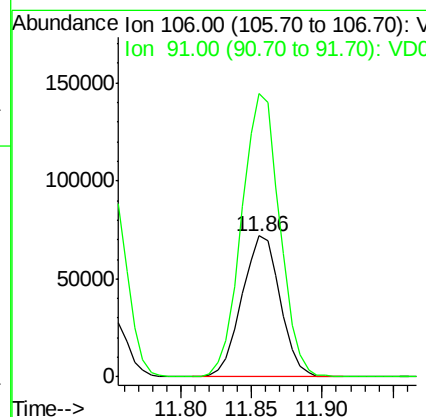
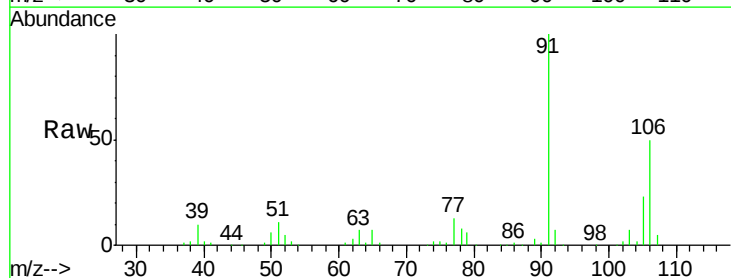
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

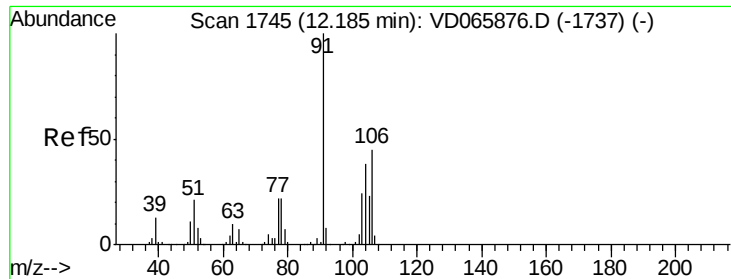
Tot Ion: 91 Resp: 178103
Ion Ratio Lower Upper
91 100
106 30.3 25.3 37.9



#68
m/p-Xylenes
Concen: 41.419 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion: 106 Resp: 136769
Ion Ratio Lower Upper
106 100
91 199.4 159.5 239.3

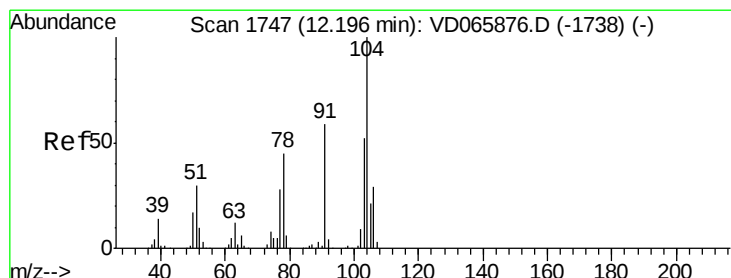
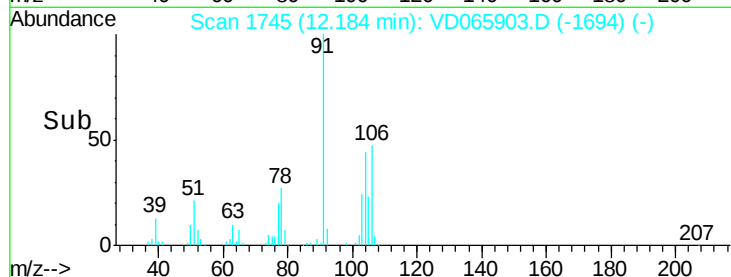
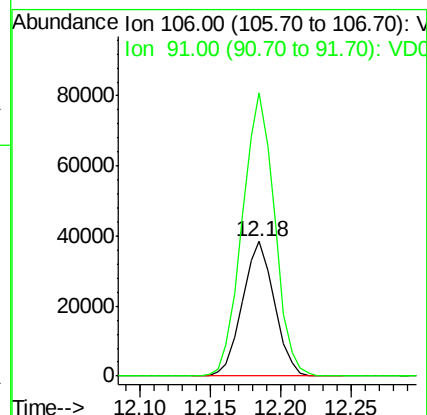
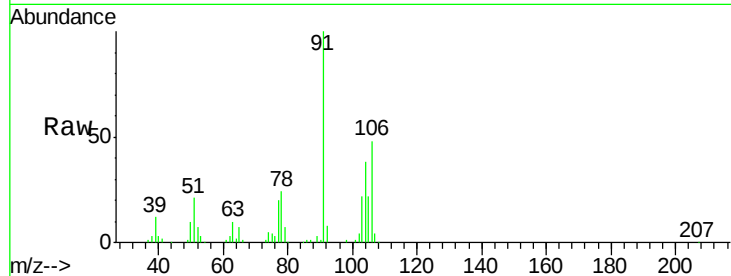




#69
o-Xylene
Concen: 20.586 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

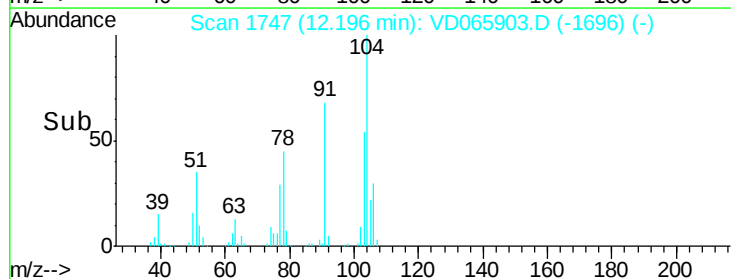
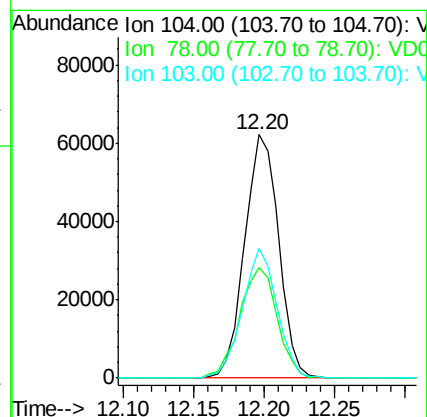
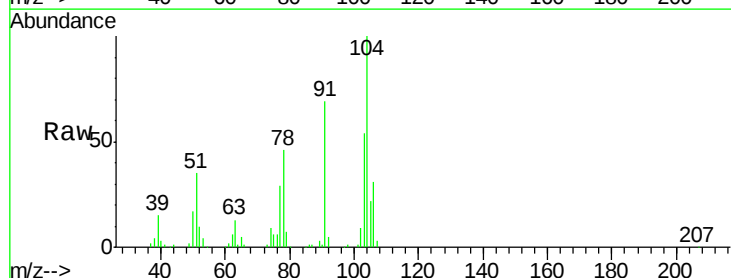
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

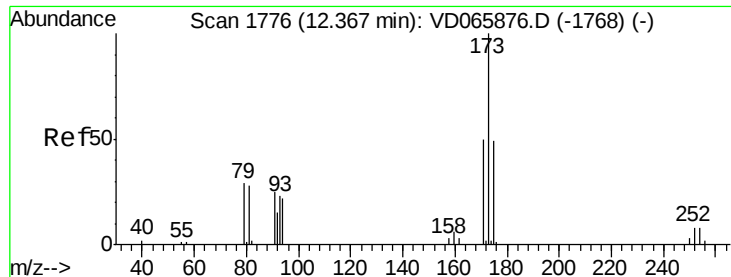
Tot Ion:106 Resp: 61086
Ion Ratio Lower Upper
106 100
91 211.5 107.5 322.6



#70
Styrene
Concen: 20.262 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion:104 Resp: 105132
Ion Ratio Lower Upper
104 100
78 50.1 39.8 59.6
103 54.4 44.6 66.8





#71

Bromoform

Concen: 19.079 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBS01

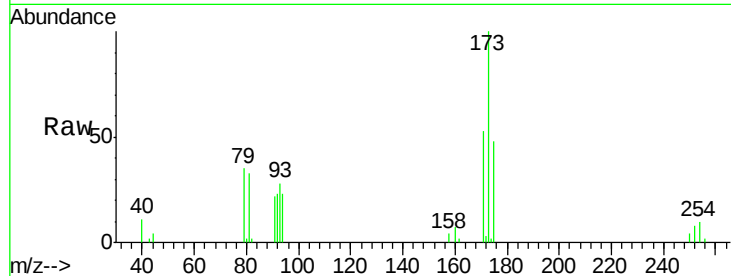
Tot Ion:173 Resp: 17626

Ion Ratio Lower Upper

173 100

175 50.4 23.9 71.8

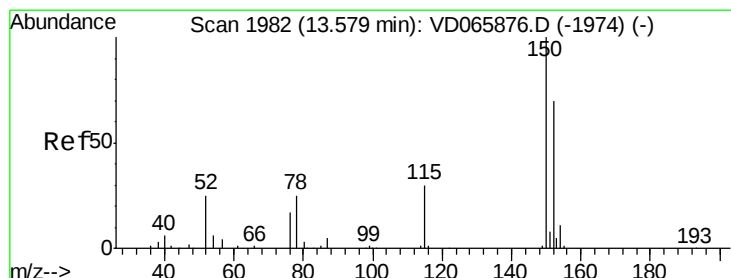
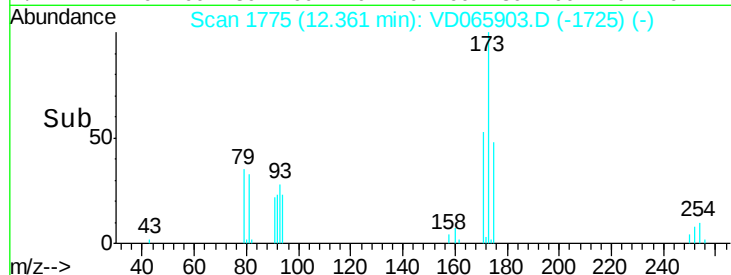
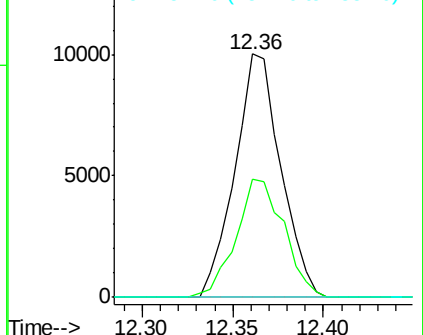
254 0.0 0.0 0.0



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: VD065903.D

Acq: 01 Jul 2020 13:32

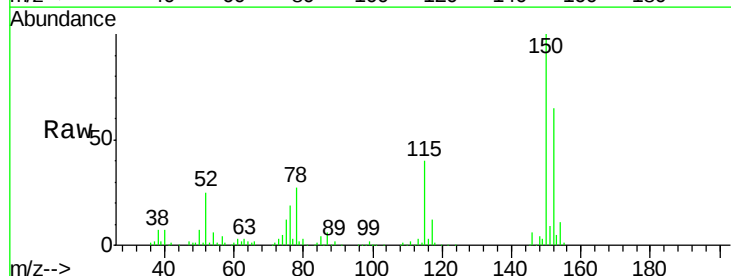
Tgt Ion:152 Resp: 108575

Ion Ratio Lower Upper

152 100

115 60.4 29.7 89.1

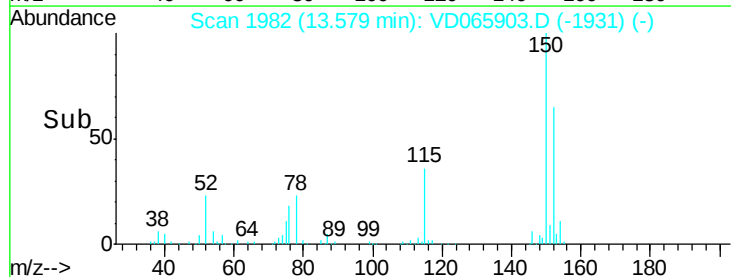
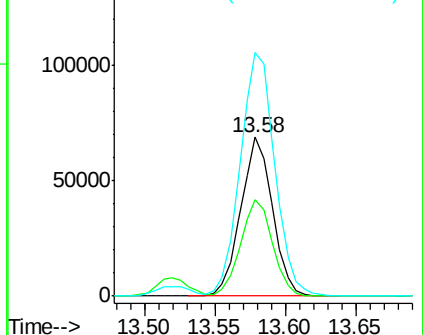
150 166.4 0.0 346.2

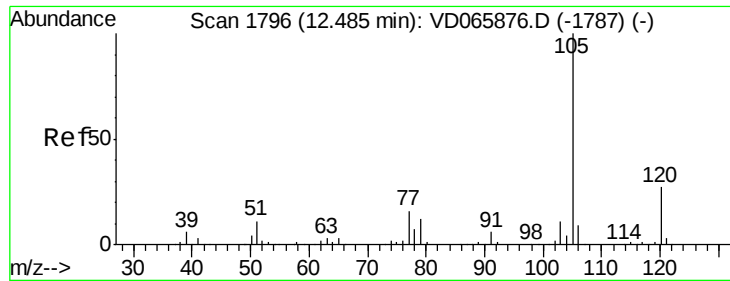


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.783 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

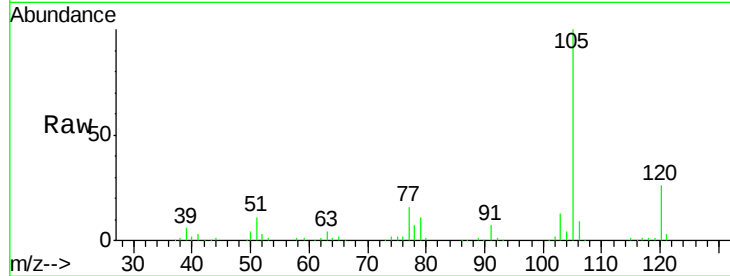
VD0701SBS01

Tot Ion:105 Resp: 169395

Ion Ratio Lower Upper

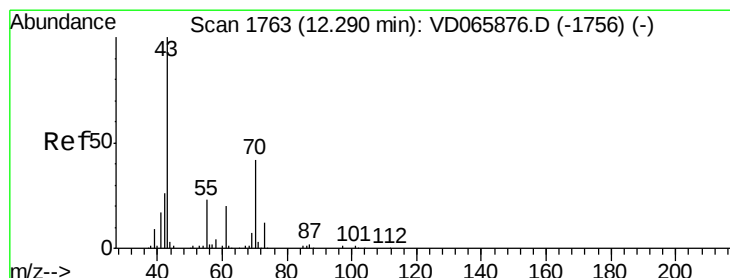
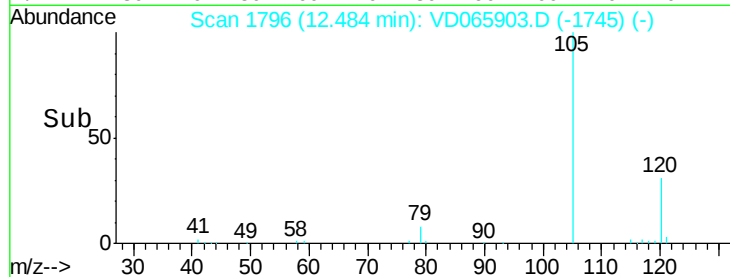
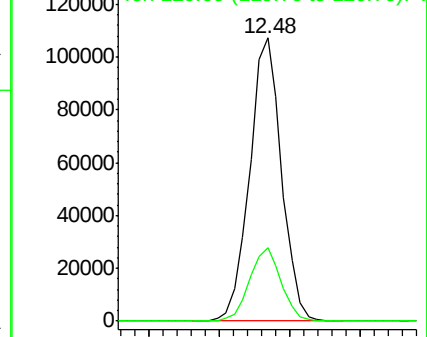
105 100

120 25.8 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: 20.646 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Tgt Ion: 43 Resp: 35472

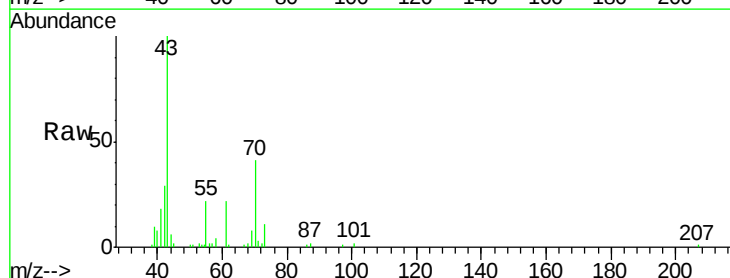
Ion Ratio Lower Upper

43 100

70 39.4 32.5 48.7

55 22.9 18.7 28.1

61 22.7 16.7 25.1

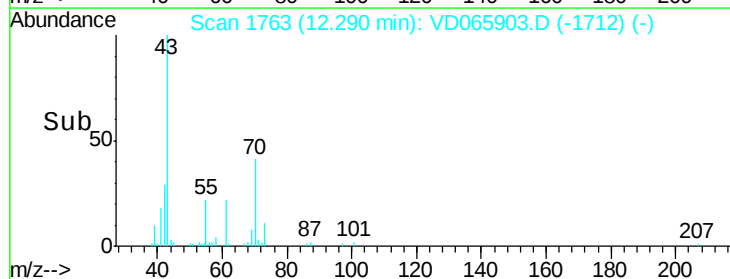
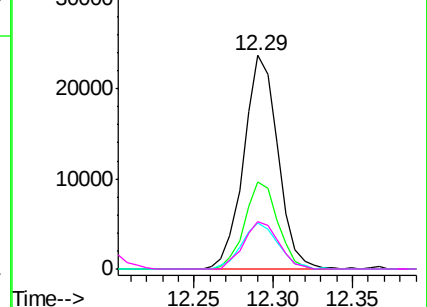


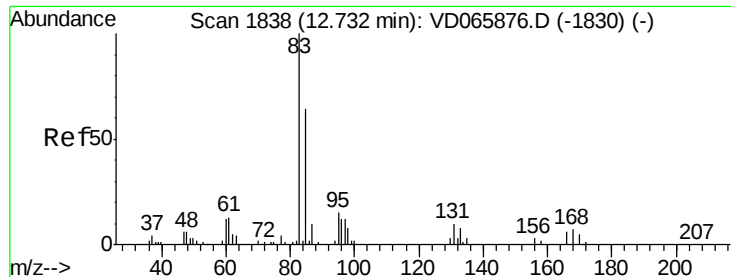
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.316 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

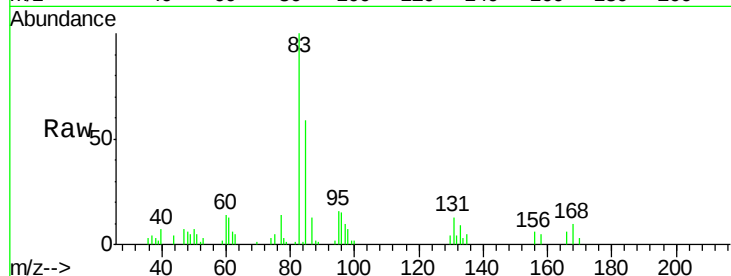
Tot Ion: 83 Resp: 27286

Ion Ratio Lower Upper

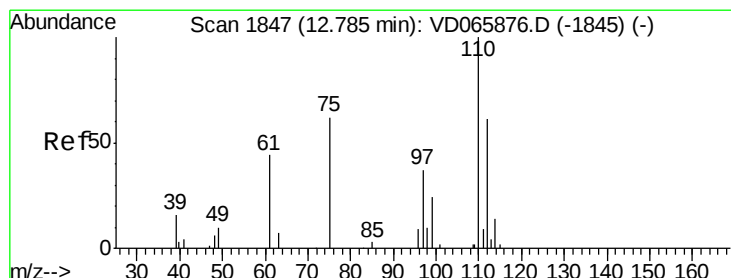
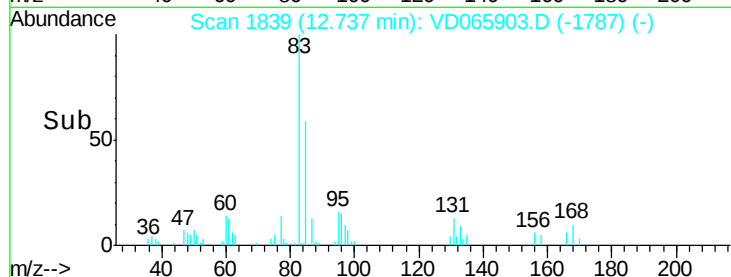
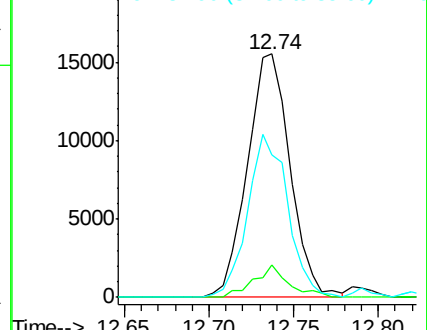
83 100

131 10.8 5.5 16.4

85 62.8 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.467 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD065903.D

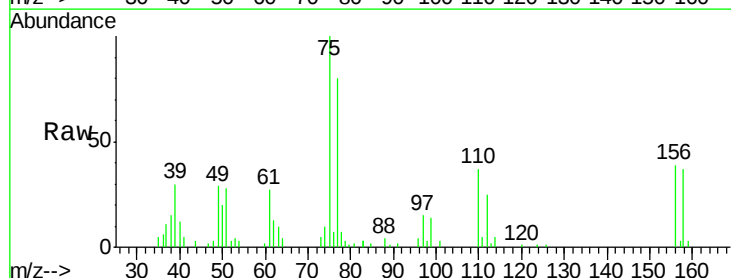
Acq: 01 Jul 2020 13:32

Tgt Ion: 75 Resp: 36546

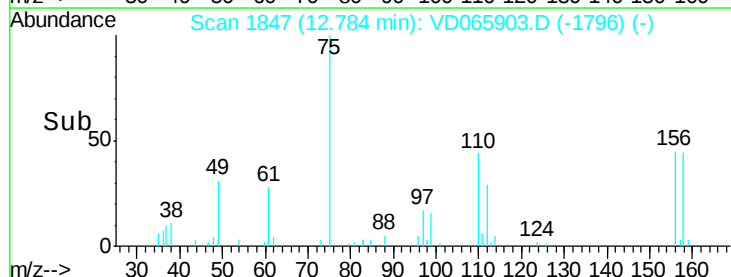
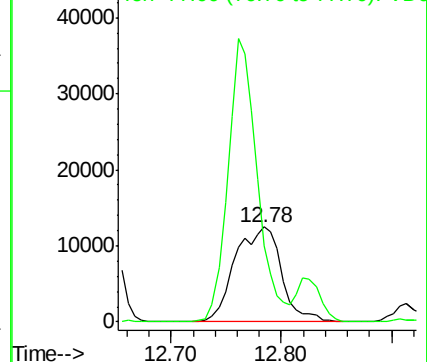
Ion Ratio Lower Upper

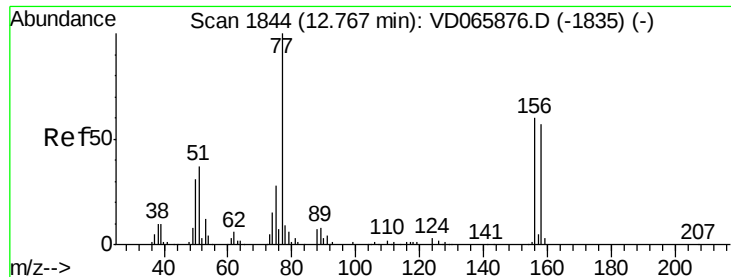
75 100

77 0.0 168.5 505.5#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.801 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

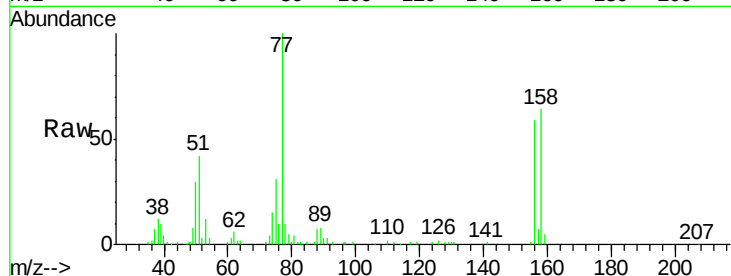
Tot Ion:156 Resp: 36369

Ion Ratio Lower Upper

156 100

77 190.5 90.5 271.5

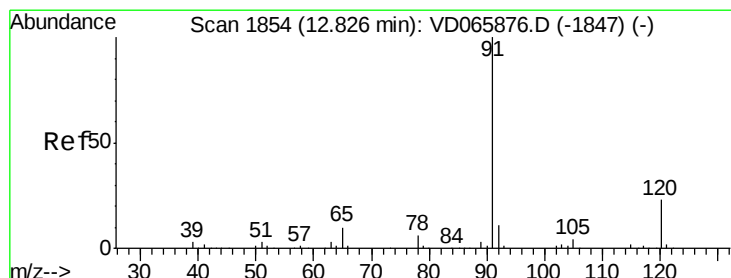
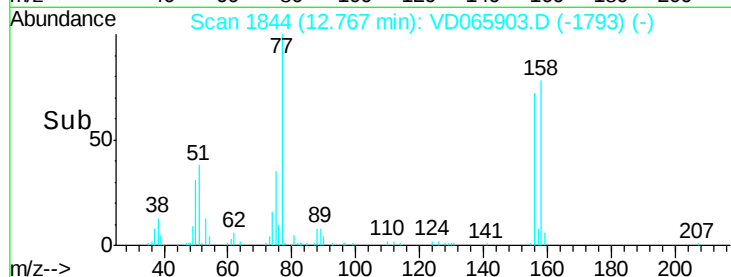
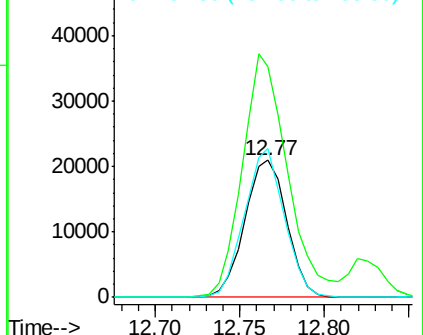
158 102.7 48.2 144.6



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: 22.384 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065903.D

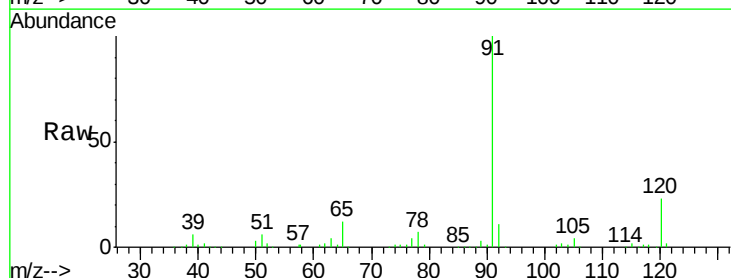
Acq: 01 Jul 2020 13:32

Tgt Ion: 91 Resp: 209711

Ion Ratio Lower Upper

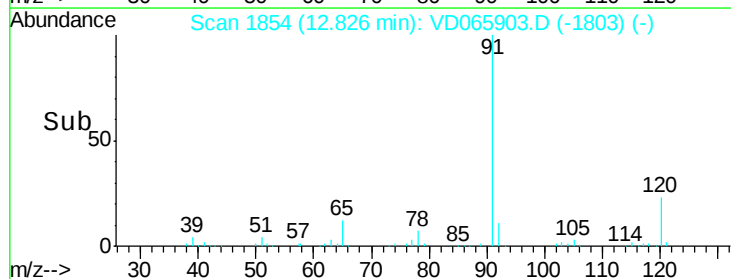
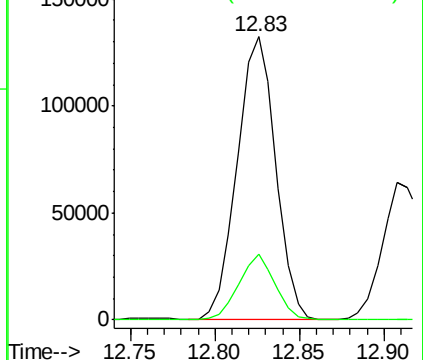
91 100

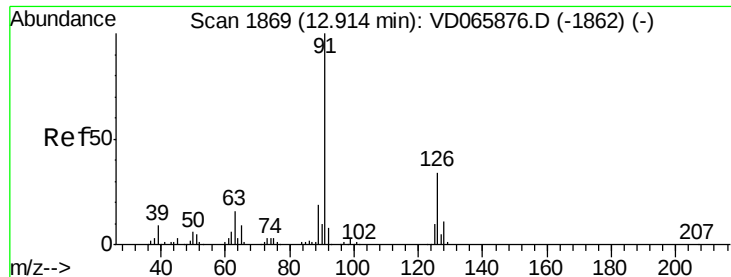
120 21.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.599 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

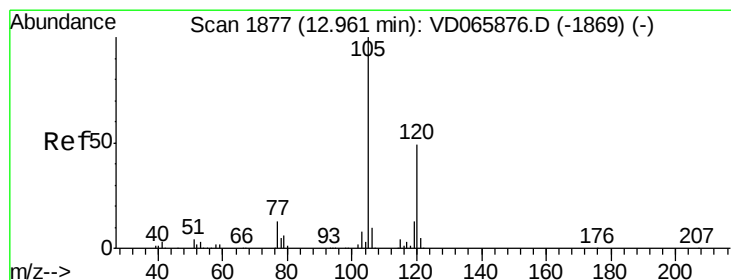
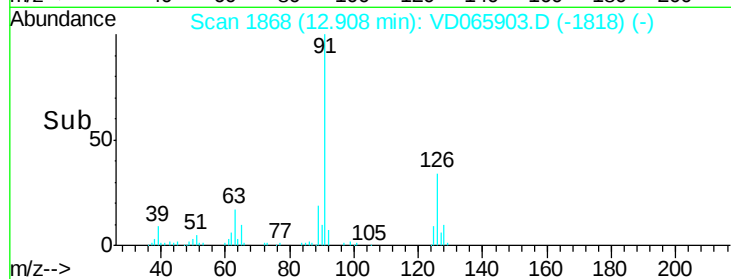
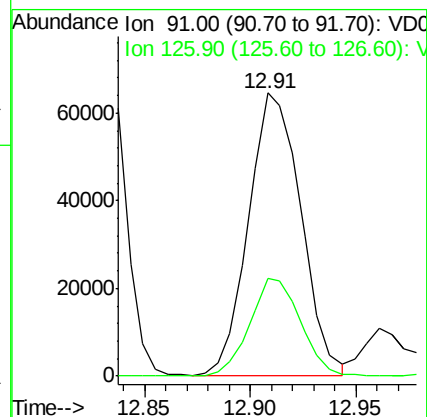
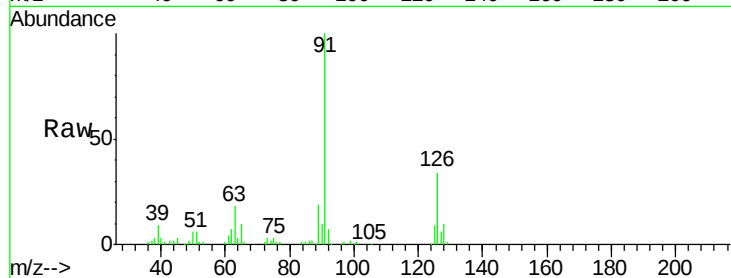
VD0701SBSD01

Tot Ion: 91 Resp: 111459

Ion Ratio Lower Upper

91 100

126 33.6 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 21.743 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065903.D

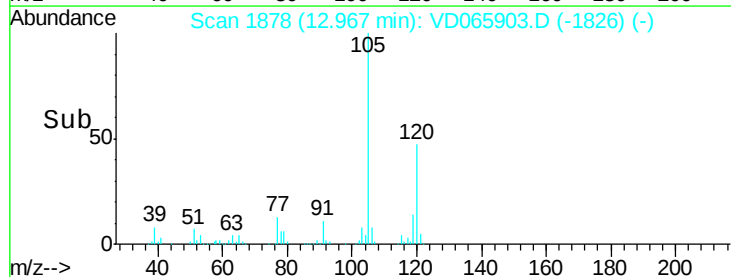
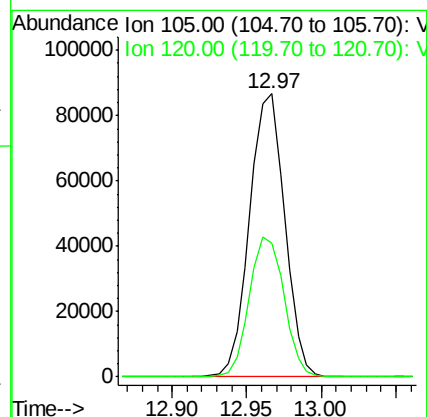
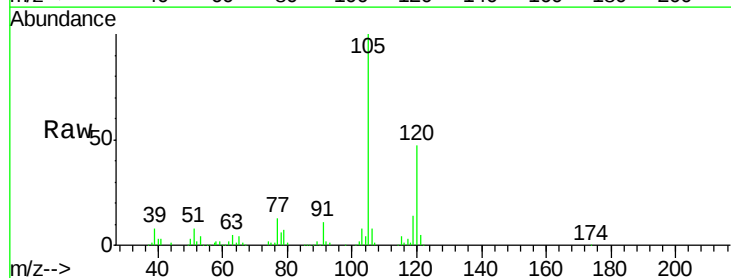
Acq: 01 Jul 2020 13:32

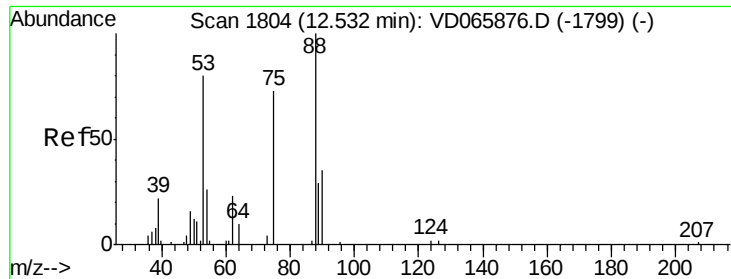
Tgt Ion: 105 Resp: 141346

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.551 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

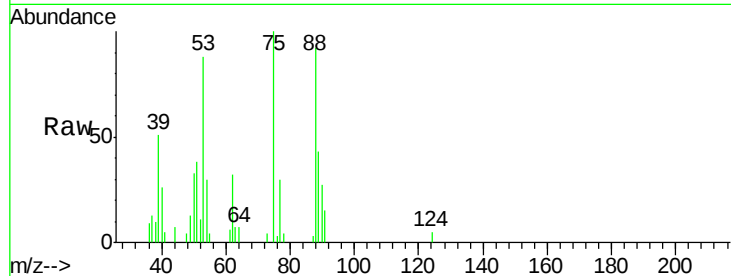
Tot Ion: 75 Resp: 9088

Ion Ratio Lower Upper

75 100

53 93.9 80.6 121.0

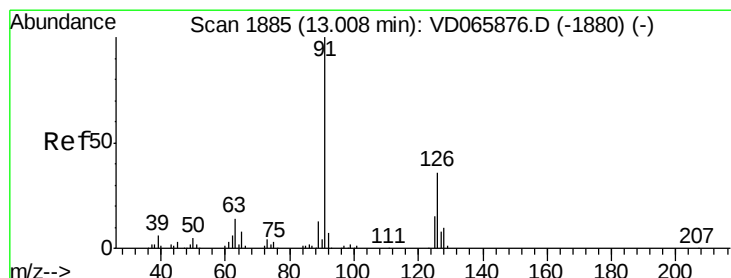
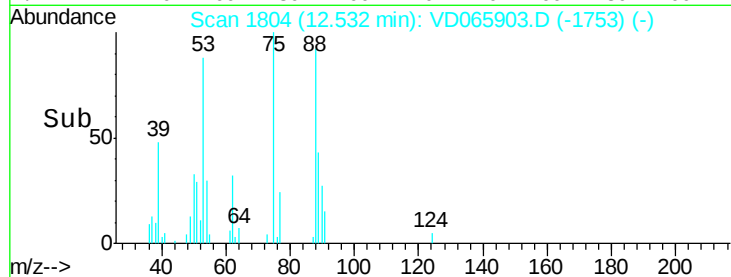
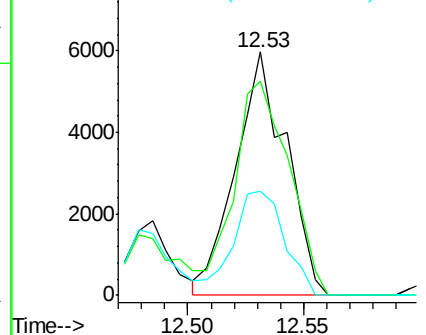
89 43.9 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.841 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065903.D

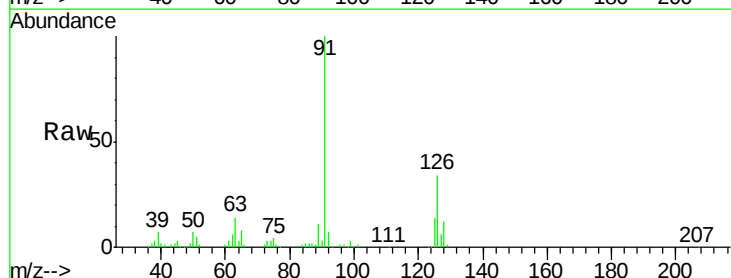
Acq: 01 Jul 2020 13:32

Tgt Ion: 91 Resp: 120442

Ion Ratio Lower Upper

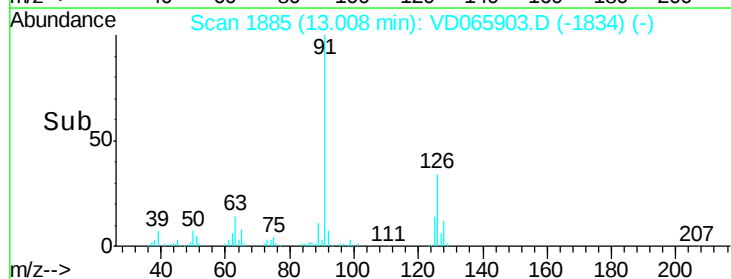
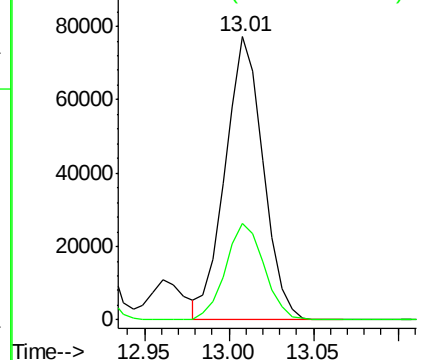
91 100

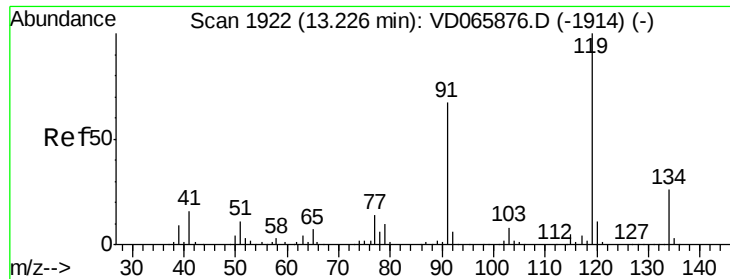
126 34.6 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

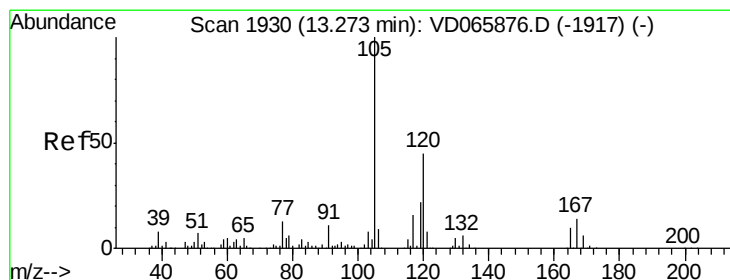
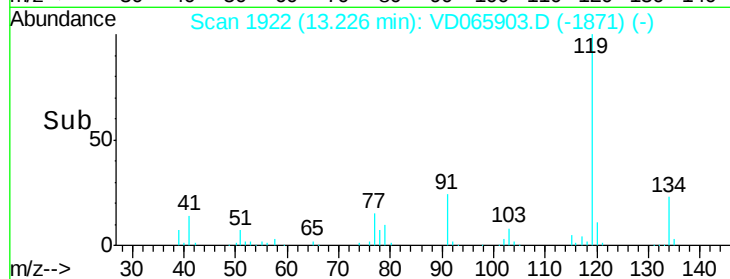
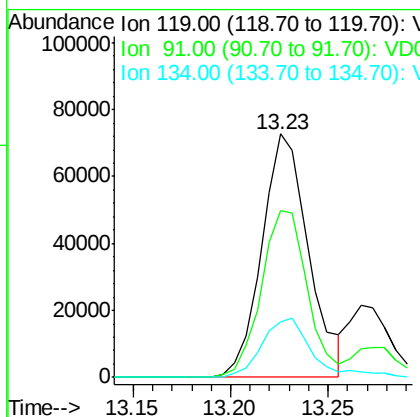
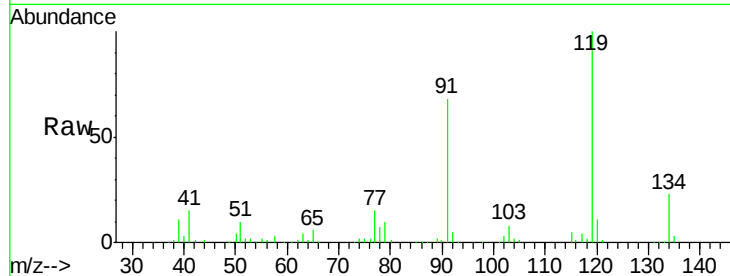




#83
tert-Butylbenzene
Concen: 22.133 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

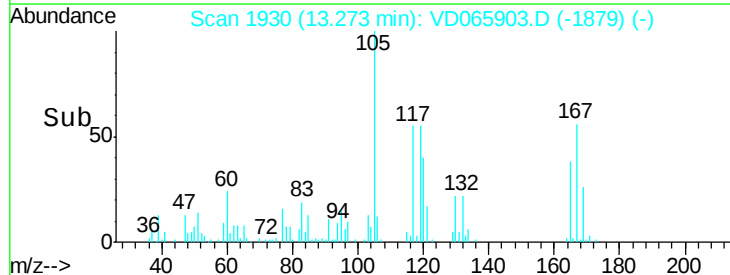
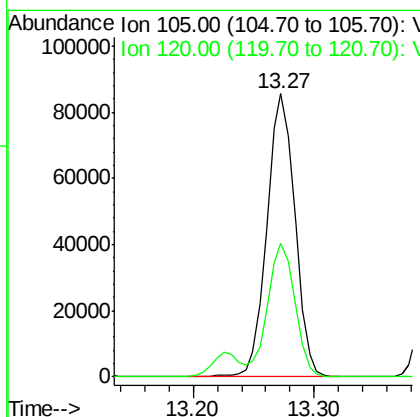
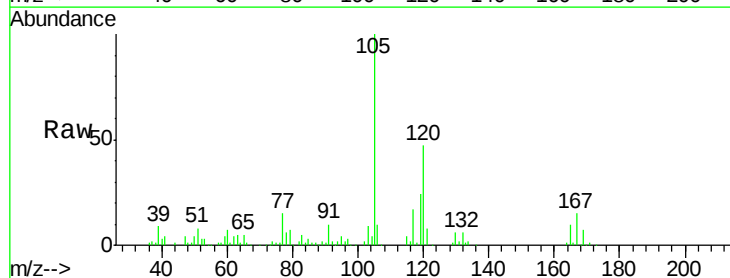
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

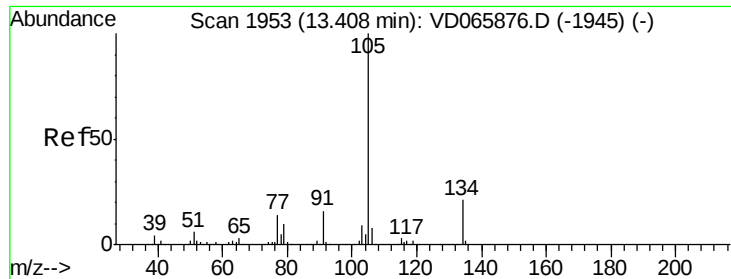
Tot Ion:119 Resp: 121087
Ion Ratio Lower Upper
119 100
91 67.2 32.2 96.6
134 26.1 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 21.358 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion:105 Resp: 136772
Ion Ratio Lower Upper
105 100
120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.500 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

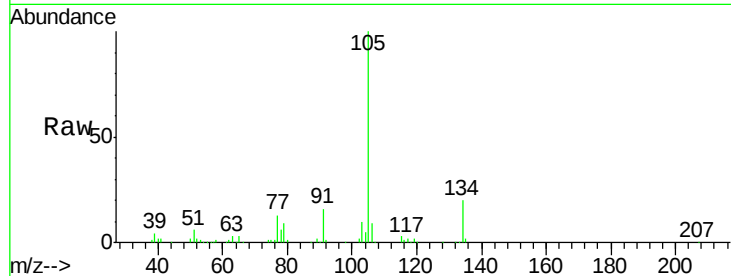
VD0701SBS01

Tot Ion:105 Resp: 167621

Ion Ratio Lower Upper

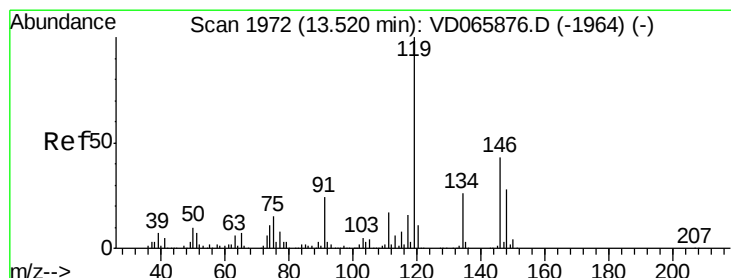
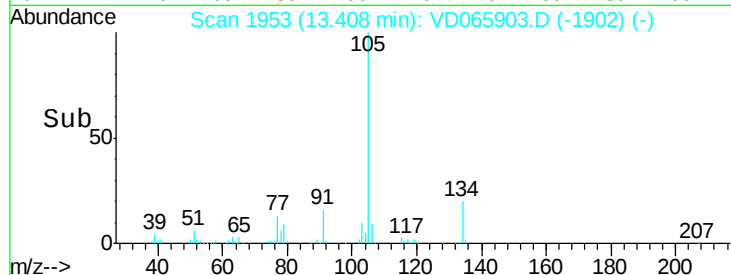
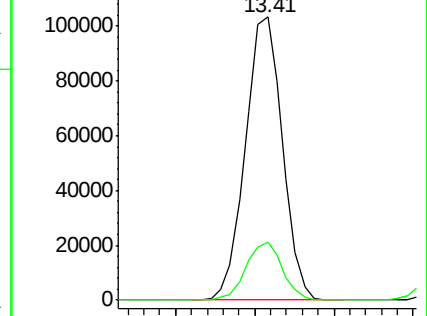
105 100

134 20.0 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.012 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

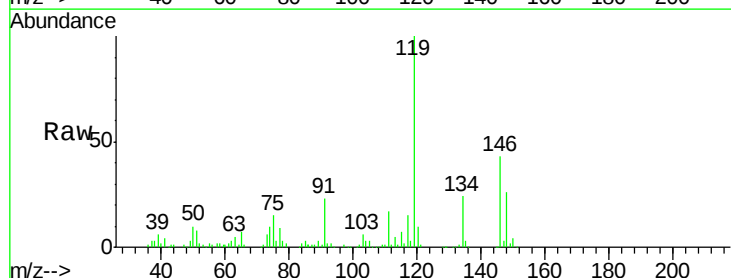
Tgt Ion:119 Resp: 155880

Ion Ratio Lower Upper

119 100

134 25.6 13.4 40.1

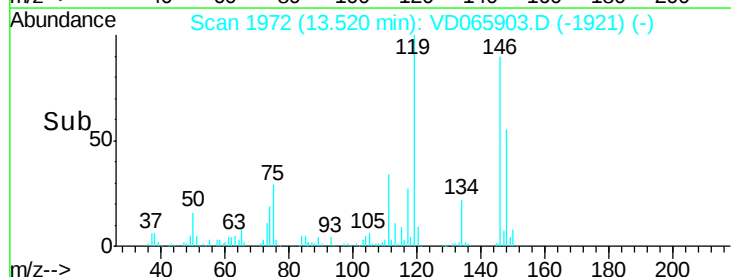
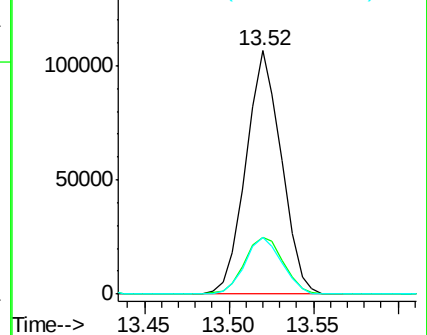
91 24.4 12.0 36.1

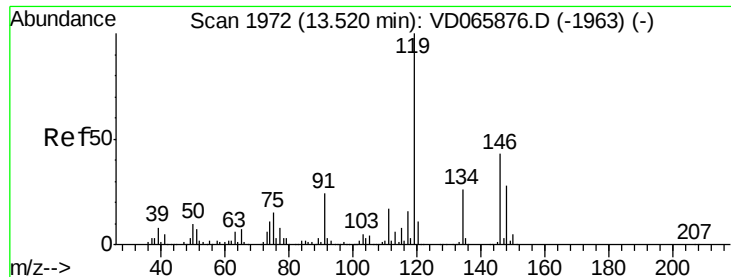


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

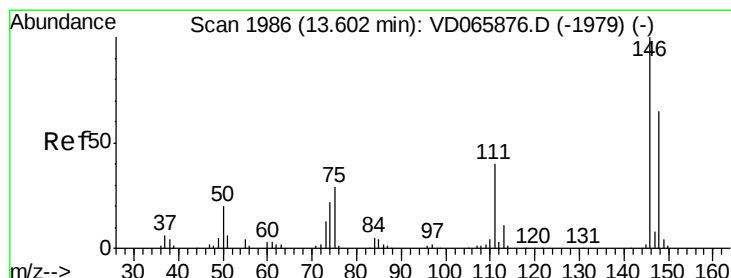
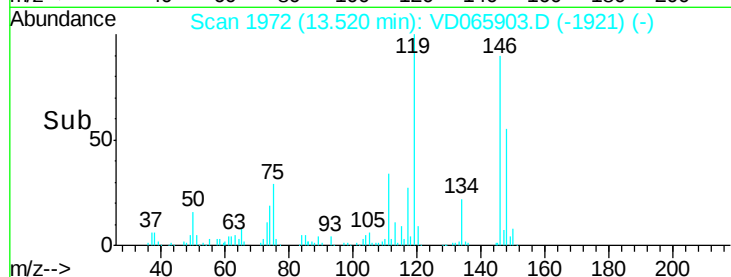
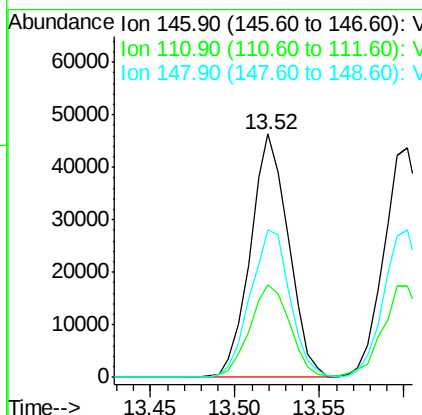
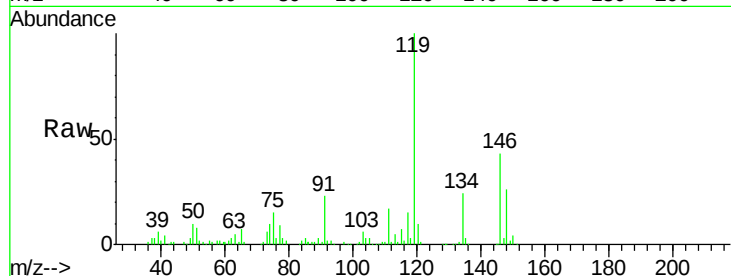




#87
 1,3-Dichlorobenzene
 Concen: 21.410 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065903.D
 Acq: 01 Jul 2020 13:32

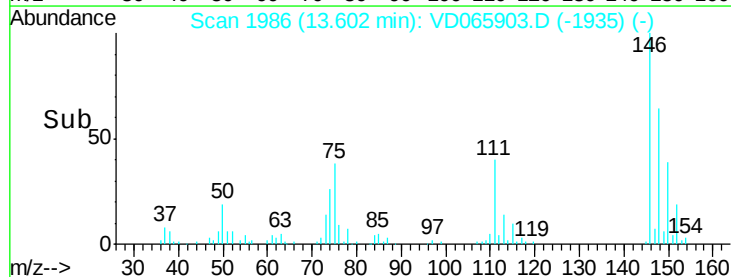
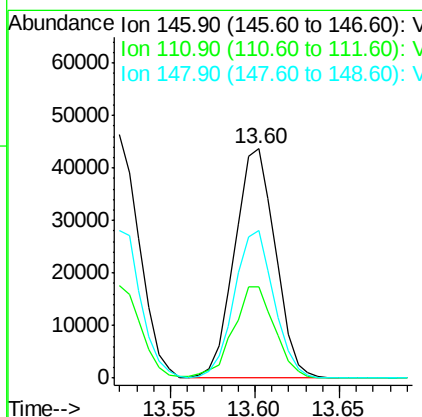
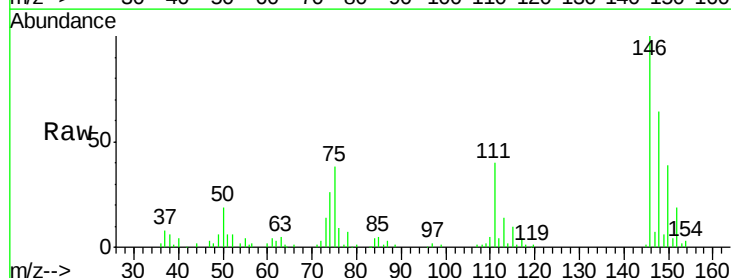
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD01

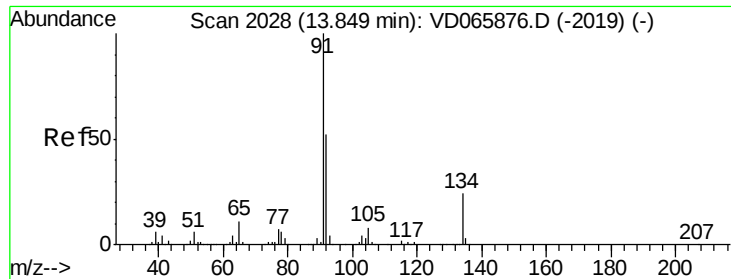
Tot Ion:146 Resp: 72726
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.4 58.4
 148 63.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 21.458 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065903.D
 Acq: 01 Jul 2020 13:32

Tgt Ion:146 Resp: 73332
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.9 59.6
 148 62.6 32.5 97.4

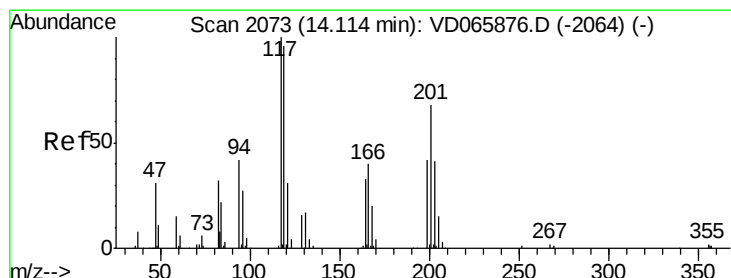
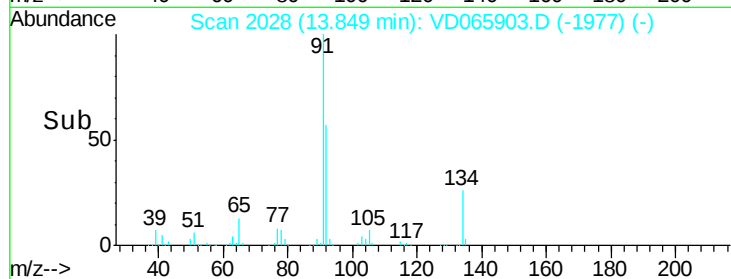
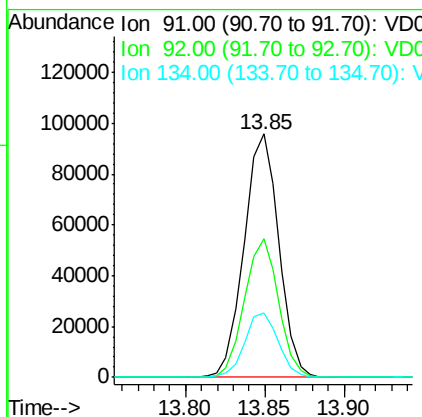
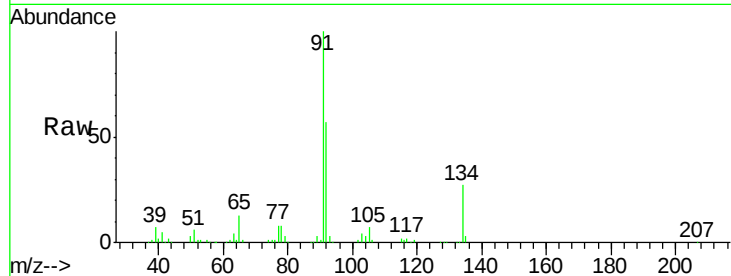




#89
n-Butylbenzene
Concen: 21.150 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

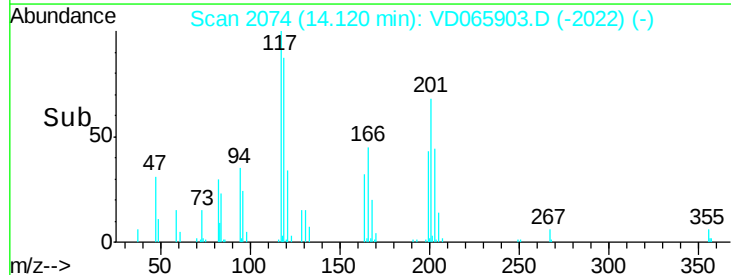
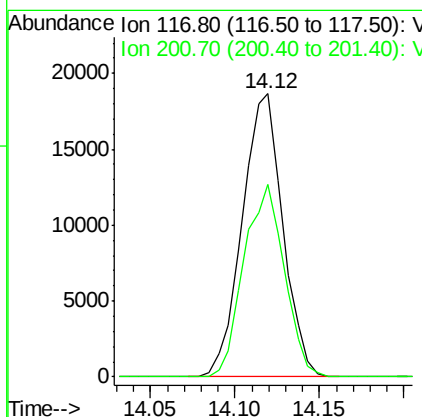
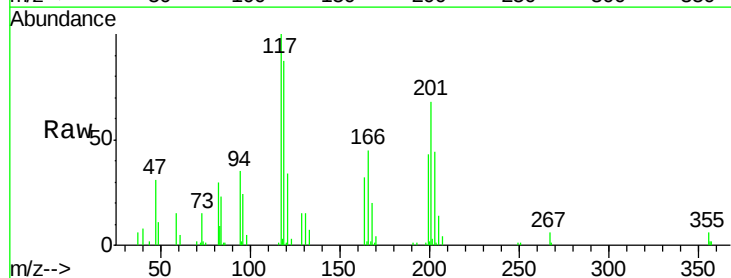
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD01

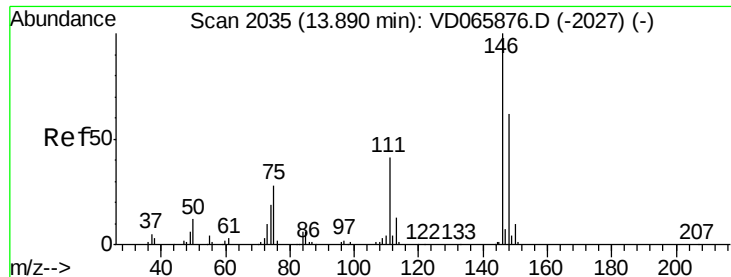
Tot Ion: 91 Resp: 146044
Ion Ratio Lower Upper
91 100
92 55.5 26.5 79.4
134 25.5 12.4 37.2



#90
Hexachloroethane
Concen: 21.618 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion: 117 Resp: 31240
Ion Ratio Lower Upper
117 100
201 67.4 35.1 105.5





#91

1,2-Dichlorobenzene

Concen: 21.559 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBSD01

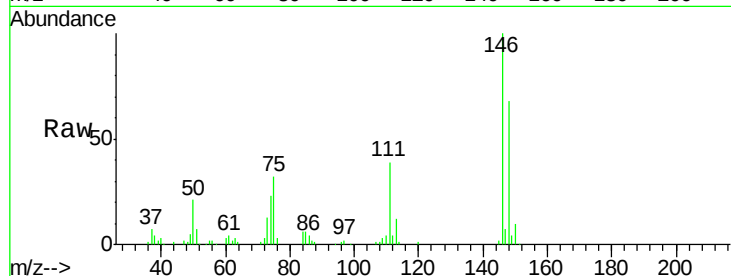
Tot Ion:146 Resp: 64156

Ion Ratio Lower Upper

146 100

111 40.8 20.8 62.4

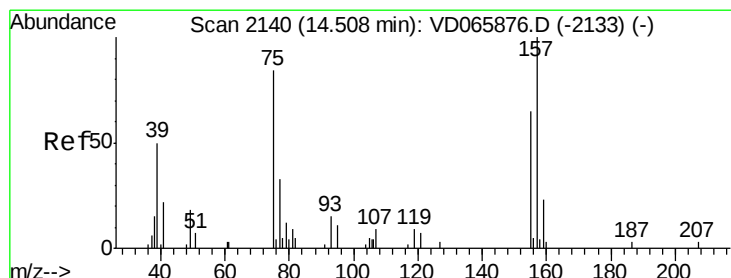
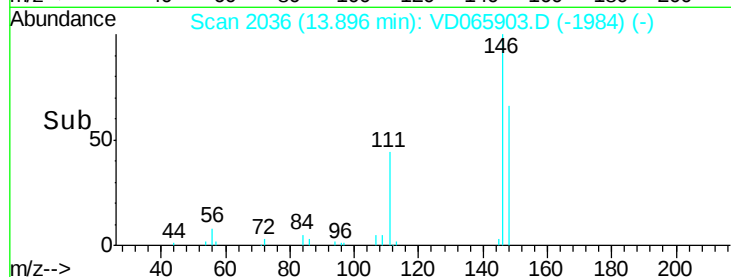
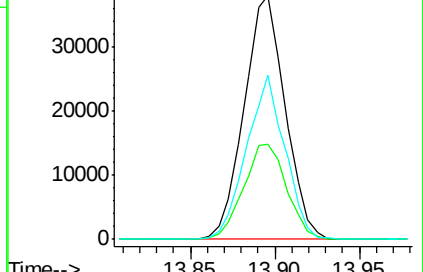
148 63.4 31.4 94.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.488 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD065903.D

Acq: 01 Jul 2020 13:32

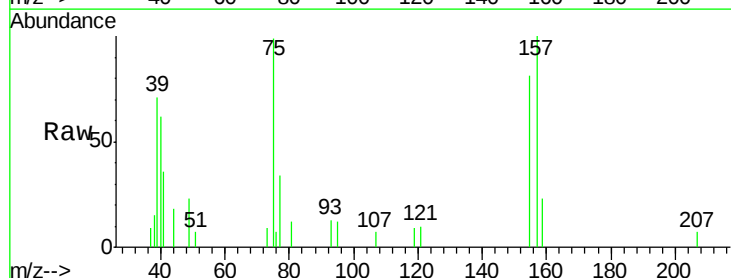
Tgt Ion: 75 Resp: 4459

Ion Ratio Lower Upper

75 100

155 86.0 37.8 113.3

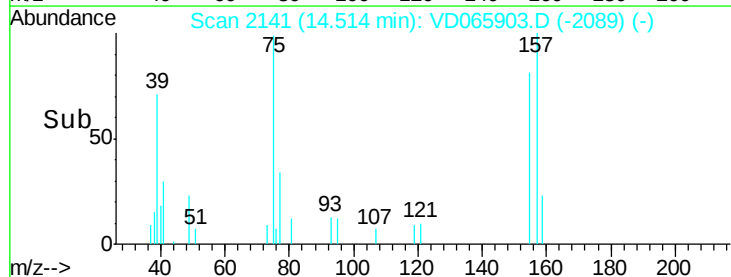
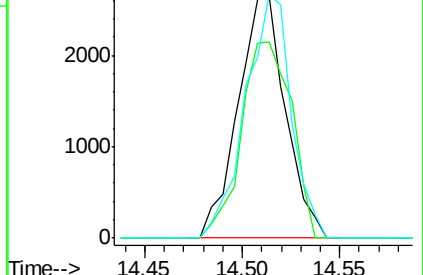
157 97.1 50.6 151.8

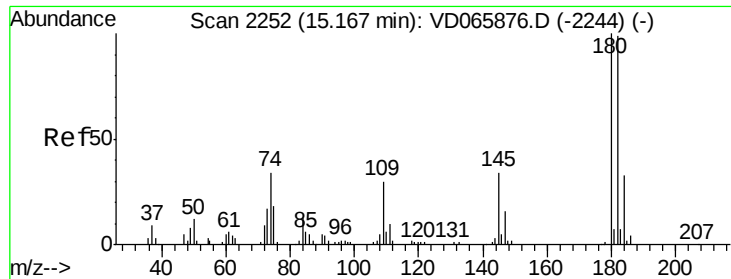


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

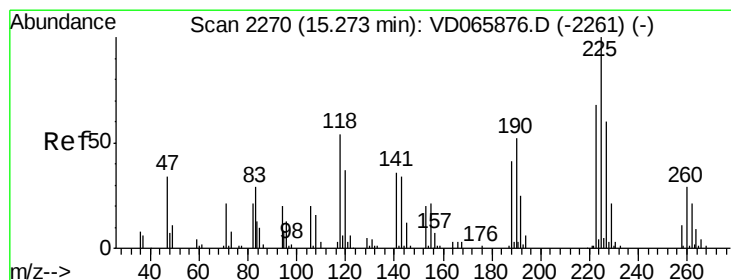
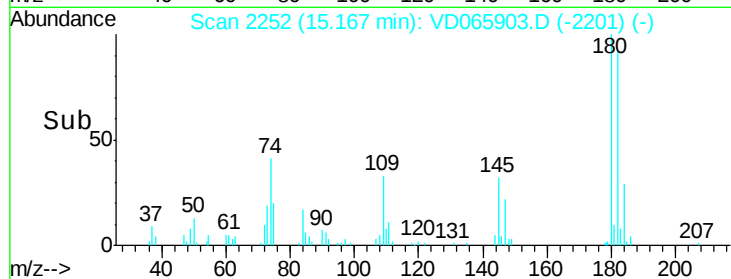
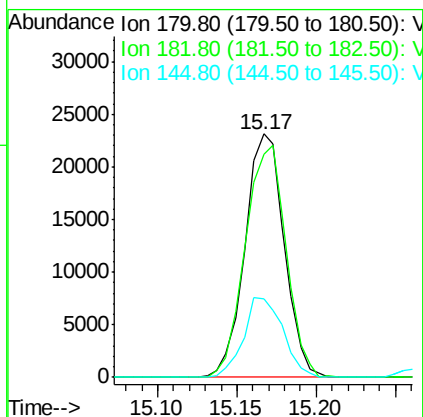
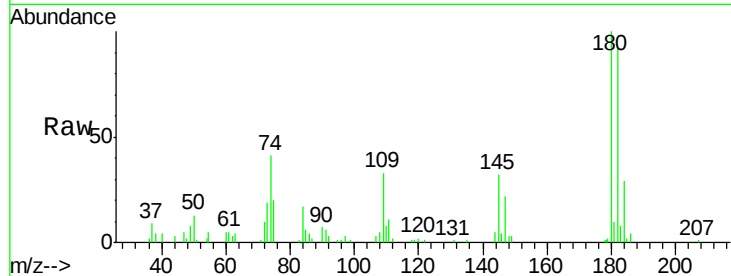




#93
 1,2,4-Trichlorobenzene
 Concen: 21.098 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065903.D
 Acq: 01 Jul 2020 13:32

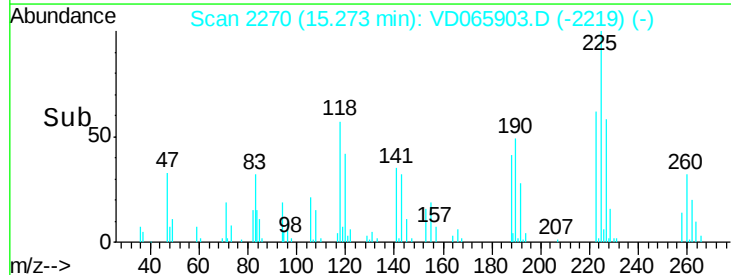
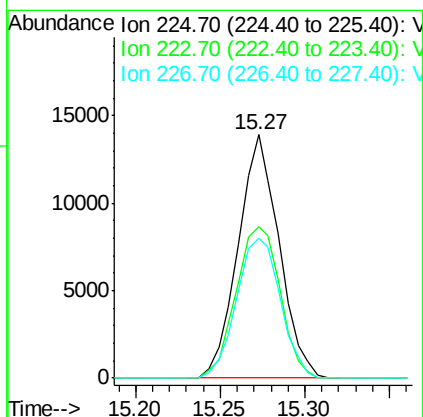
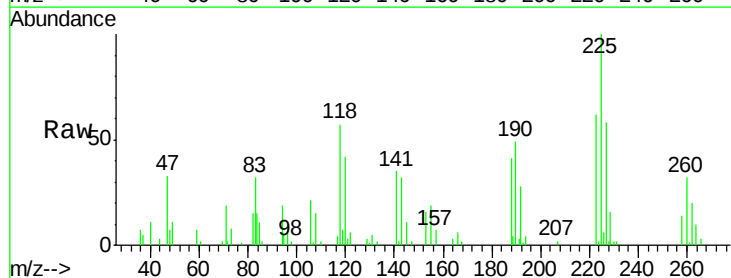
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD01

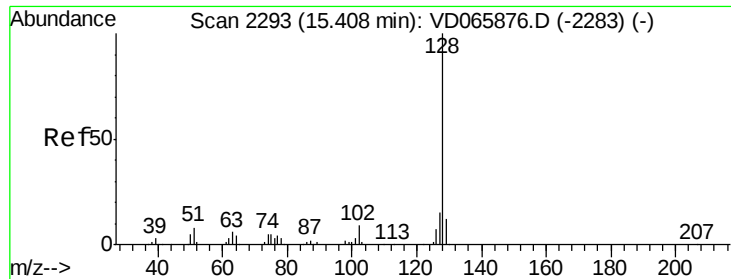
Tot Ion:180 Resp: 39803
 Ion Ratio Lower Upper
 180 100
 182 98.9 47.7 143.1
 145 32.8 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 21.739 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065903.D
 Acq: 01 Jul 2020 13:32

Tgt Ion:225 Resp: 23392
 Ion Ratio Lower Upper
 225 100
 223 67.0 31.3 93.8
 227 61.8 30.1 90.3

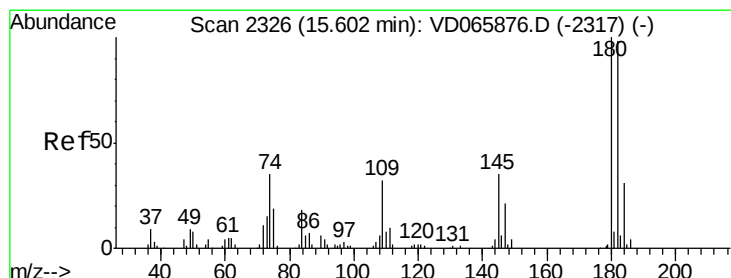
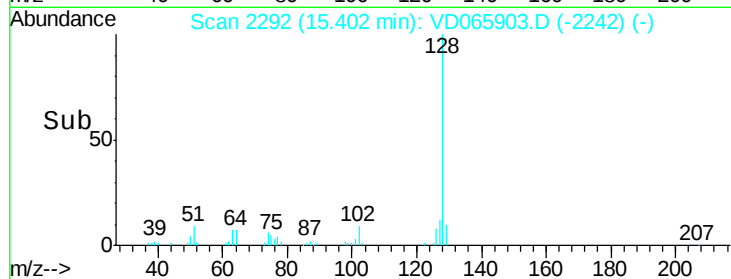
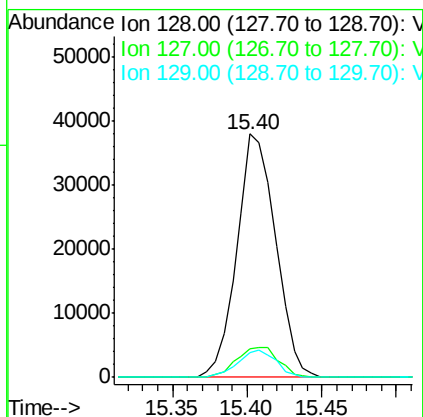
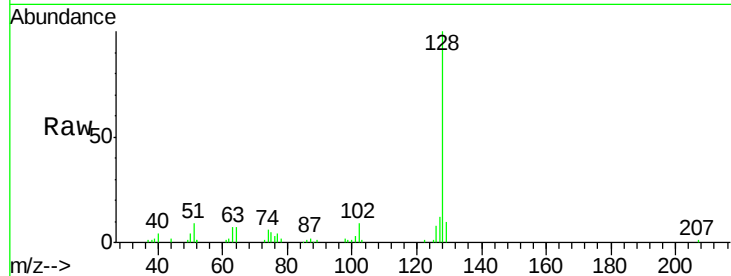




#95
Naphthalene
Concen: 20.214 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS01

Tot Ion:128 Resp: 68468
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.226 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065903.D
Acq: 01 Jul 2020 13:32

Tgt Ion:180 Resp: 34990
Ion Ratio Lower Upper
180 100
182 94.3 48.9 146.6
145 34.4 16.6 49.7

