

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067030.D
 Acq On : 02 Oct 2020 12:47
 Operator : VA/SY
 Sample : VD1002SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Quant Time: Oct 03 04:47:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	462138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	717562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	667041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	326977	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	211334	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.91	113	228712	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	858202	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.63	95	285482	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92512	22.100	ug/l	96
3) Chloromethane	2.21	50	72437	19.682	ug/l	98
4) Vinyl Chloride	2.35	62	73522	19.923	ug/l	96
5) Bromomethane	2.76	94	55432	20.772	ug/l	97
6) Chloroethane	2.92	64	44453	19.780	ug/l	93
7) Trichlorofluoromethane	3.27	101	160848	19.618	ug/l	94
8) Diethyl Ether	3.71	74	38785	19.076	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	94744	20.445	ug/l	100
10) Methyl Iodide	4.30	142	85052	18.889	ug/l	98
11) Tert butyl alcohol	5.21	59	29489	79.998	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	86961	19.962	ug/l	96
13) Acrolein	3.92	56	28258	94.807	ug/l	98
14) Allyl chloride	4.71	41	110623	19.547	ug/l	99
15) Acrylonitrile	5.43	53	71519	95.576	ug/l	98
16) Acetone	4.16	43	65262	96.045	ug/l	95
17) Carbon Disulfide	4.41	76	263760	19.728	ug/l	99
18) Methyl Acetate	4.72	43	33300	19.499	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	150055	18.868	ug/l	92
20) Methylene Chloride	4.97	84	108331	17.779	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	98445	19.857	ug/l	96
22) Diisopropyl ether	6.37	45	211551	20.475	ug/l	94
23) Vinyl Acetate	6.30	43	565814	96.641	ug/l	99
24) 1,1-Dichloroethane	6.27	63	161062	20.199	ug/l	99
25) 2-Butanone	7.21	43	87477	90.804	ug/l	94
26) 2,2-Dichloropropane	7.21	77	144004	18.523	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	105322	19.891	ug/l	100
28) Bromochloromethane	7.55	49	54633	17.742	ug/l	99
29) Tetrahydrofuran	7.56	42	52685	95.112	ug/l	98
30) Chloroform	7.71	83	173597	20.069	ug/l	99
31) Cyclohexane	7.98	56	130558	19.530	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	160002	19.959	ug/l	98
36) 1,1-Dichloropropene	8.11	75	131305	19.632	ug/l	98
37) Ethyl Acetate	7.30	43	45277	19.541	ug/l #	79
38) Carbon Tetrachloride	8.09	117	147764	20.418	ug/l	92

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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Quant Time: Oct 03 04:47:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	143226	20.254	ug/l	98
40) Benzene	8.35	78	377090	20.298	ug/l	93
41) Methacrylonitrile	7.53	41	28323	22.626	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	101986	19.646	ug/l	100
43) Isopropyl Acetate	8.45	43	85763	20.092	ug/l	99
44) Trichloroethene	9.11	130	111423	20.085	ug/l	95
45) 1,2-Dichloropropane	9.38	63	88469	20.268	ug/l	93
46) Dibromomethane	9.47	93	51260	20.432	ug/l	98
47) Bromodichloromethane	9.66	83	130430	20.000	ug/l	99
48) Methyl methacrylate	9.45	41	41382	18.923	ug/l	93
49) 1,4-Dioxane	9.46	88	10137	387.146	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	206914	97.319	ug/l	99
52) Toluene	10.40	92	251591	21.023	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	114849	19.705	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	140150	19.692	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	70795	20.297	ug/l	96
56) Ethyl methacrylate	10.66	69	71112	19.747	ug/l	98
57) 1,3-Dichloropropane	10.94	76	113473	20.062	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	201337	100.451	ug/l	99
59) 2-Hexanone	10.98	43	135102	95.204	ug/l	100
60) Dibromochloromethane	11.14	129	95783	20.603	ug/l	98
61) 1,2-Dibromoethane	11.24	107	66510	19.848	ug/l	96
64) Tetrachloroethene	10.87	164	97980	20.205	ug/l	96
65) Chlorobenzene	11.67	112	265012	19.976	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	99972	19.810	ug/l	99
67) Ethyl Benzene	11.74	91	453141	19.935	ug/l	99
68) m/p-Xylenes	11.86	106	363169	40.996	ug/l	100
69) o-Xylene	12.18	106	160150	20.216	ug/l	96
70) Styrene	12.20	104	280453	20.617	ug/l	98
71) Bromoform	12.36	173	51666	19.723	ug/l #	96
73) Isopropylbenzene	12.48	105	445018	20.044	ug/l	99
74) N-amyl acetate	12.29	43	74286	18.612	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	72289	19.325	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	90113	31.640	ug/l #	100
77) Bromobenzene	12.76	156	106202	19.810	ug/l	99
78) n-propylbenzene	12.83	91	532465	20.293	ug/l	100
79) 2-Chlorotoluene	12.91	91	295969	19.715	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	377930	20.147	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21059	18.434	ug/l	98
82) 4-Chlorotoluene	13.01	91	317834	19.899	ug/l	100
83) tert-Butylbenzene	13.23	119	304502	19.277	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	379252	20.259	ug/l	98
85) sec-Butylbenzene	13.41	105	445643	20.033	ug/l	100
86) p-Isopropyltoluene	13.52	119	411841	19.969	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	210032	20.114	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	206956	19.821	ug/l	99
89) n-Butylbenzene	13.85	91	363134	19.266	ug/l	99
90) Hexachloroethane	14.11	117	70767	19.589	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	180102	19.749	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10957	18.171	ug/l	99

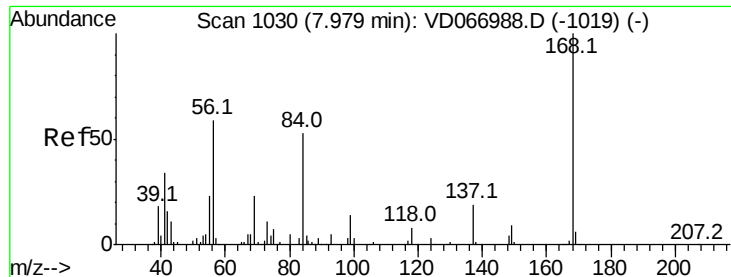
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
Data File : VD067030.D
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Operator : VA/SY
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Quant Time: Oct 03 04:47:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113140	19.180	ug/l	98
94) Hexachlorobutadiene	15.28	225	68240	18.837	ug/l	99
95) Naphthalene	15.41	128	175013	17.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	95787	18.706	ug/l	95

(#) = 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: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

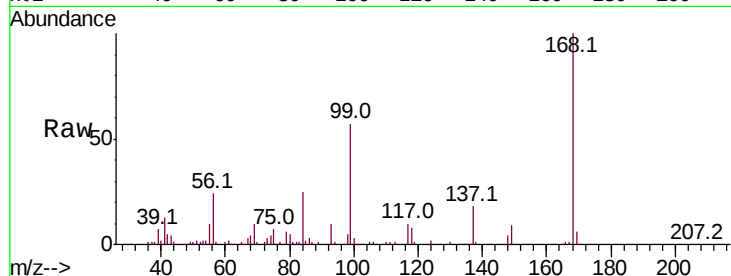
VD1002SBSD01

Tot Ion:168 Resp: 462138

Ion Ratio Lower Upper

168 100

99 56.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

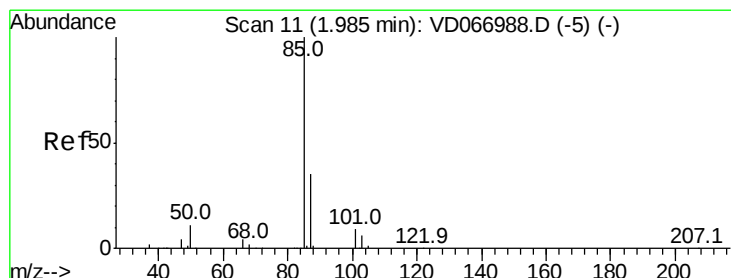
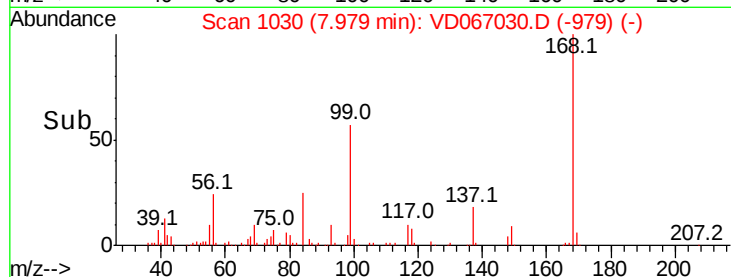
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.100 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067030.D

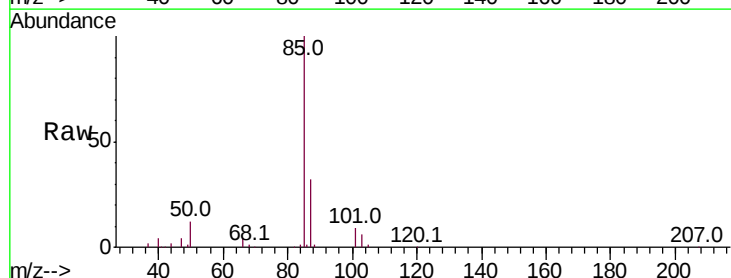
Acq: 02 Oct 2020 12:47

Tgt Ion: 85 Resp: 92512

Ion Ratio Lower Upper

85 100

87 32.3 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

40000

20000

0

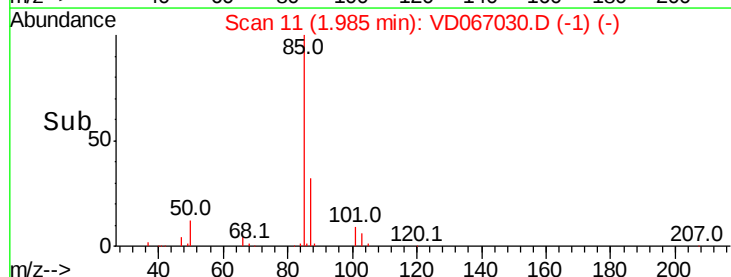
1.90

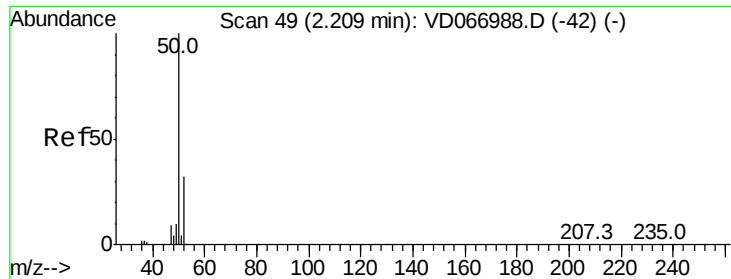
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 19.682 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

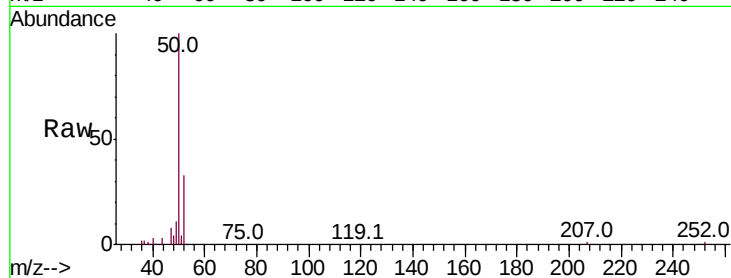
VD1002SBS01

Tot Ion: 50 Resp: 72437

Ion Ratio Lower Upper

50 100

52 32.9 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

60000

50000

40000

30000

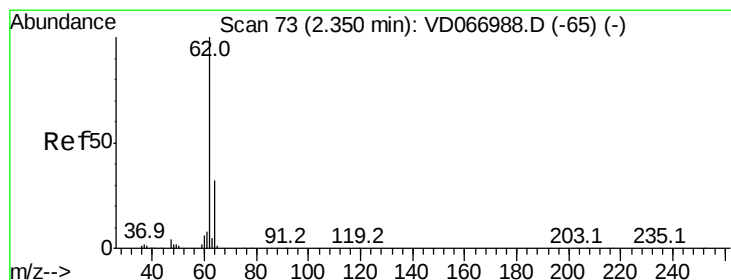
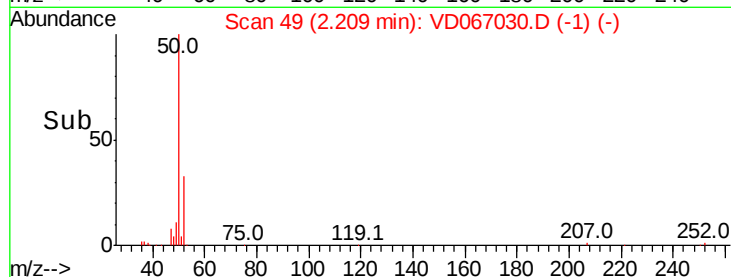
20000

10000

0

Time-->

2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 19.923 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067030.D

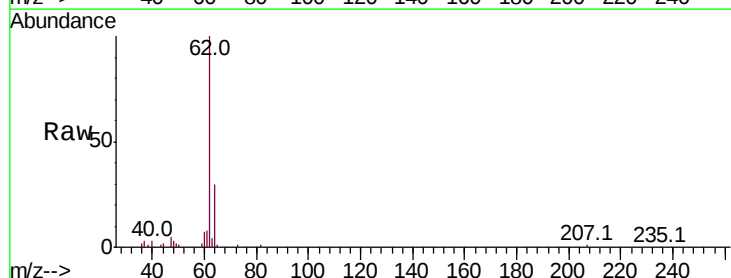
Acq: 02 Oct 2020 12:47

Tgt Ion: 62 Resp: 73522

Ion Ratio Lower Upper

62 100

64 30.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

50000

40000

30000

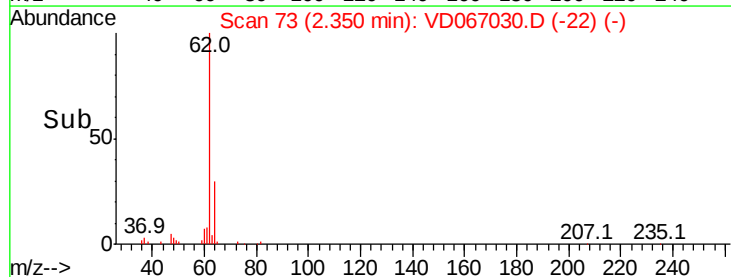
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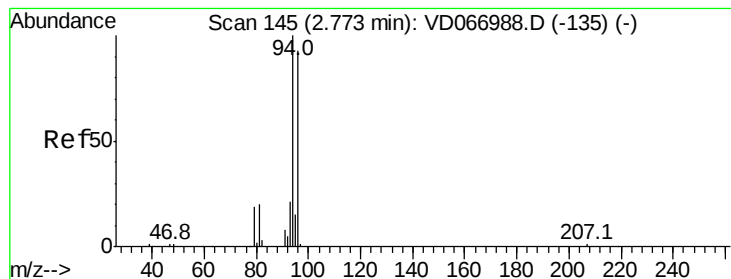
10000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 20.772 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

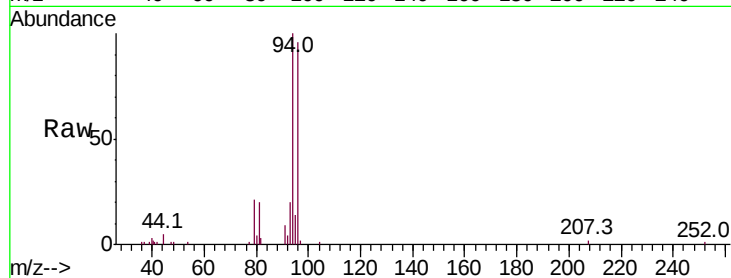
VD1002SBSD01

Tot Ion: 94 Resp: 55432

Ion Ratio Lower Upper

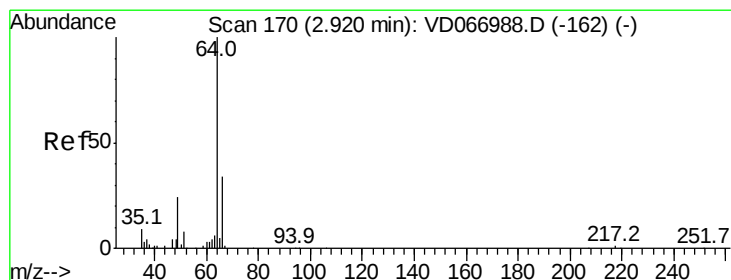
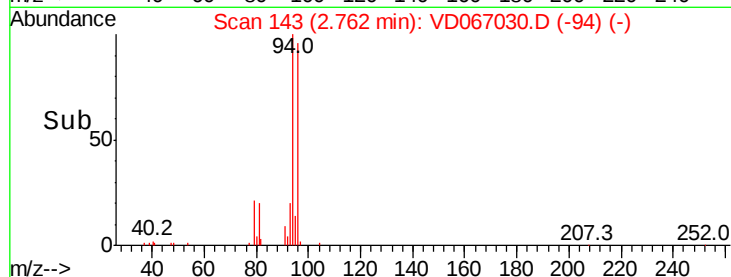
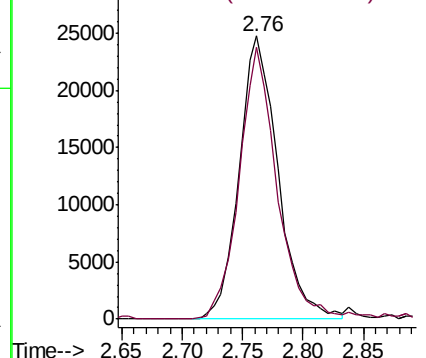
94 100

96 96.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.780 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067030.D

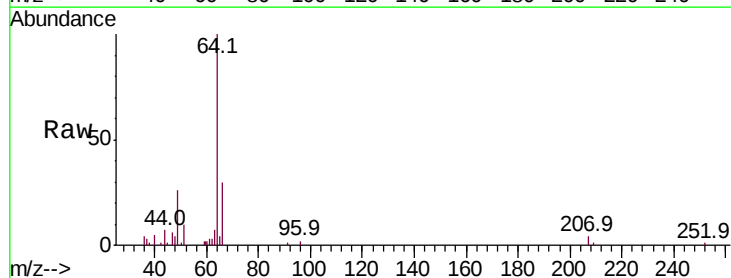
Acq: 02 Oct 2020 12:47

Tgt Ion: 64 Resp: 44453

Ion Ratio Lower Upper

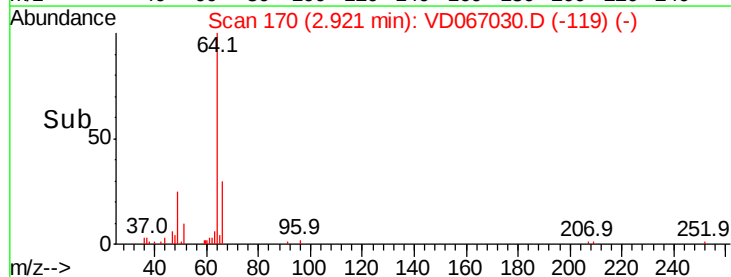
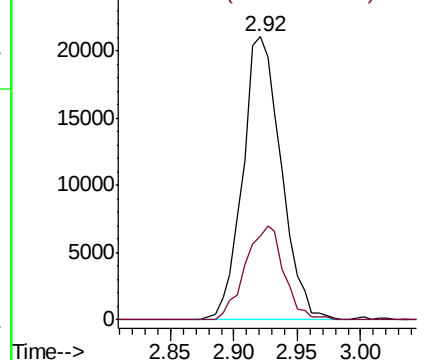
64 100

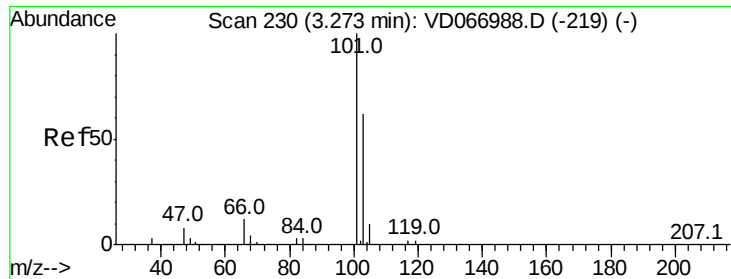
66 29.6 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



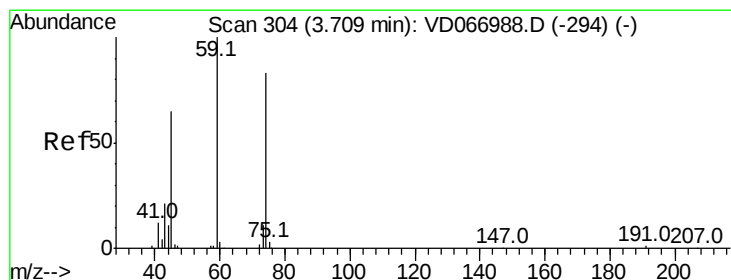
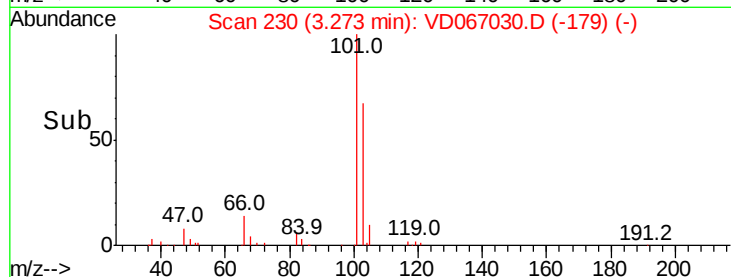
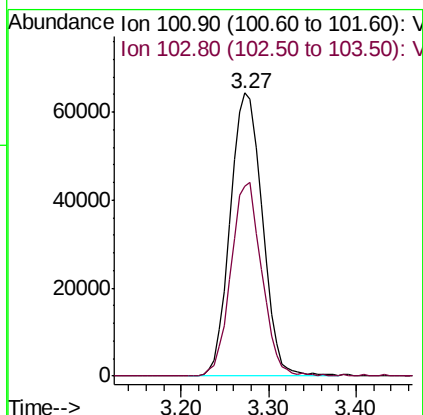
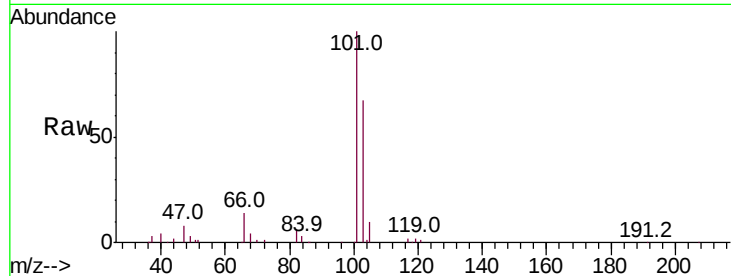


#7

Trichlorofluoromethane
Concen: 19.618 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
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ClientSampleId :
VD1002SBSD01

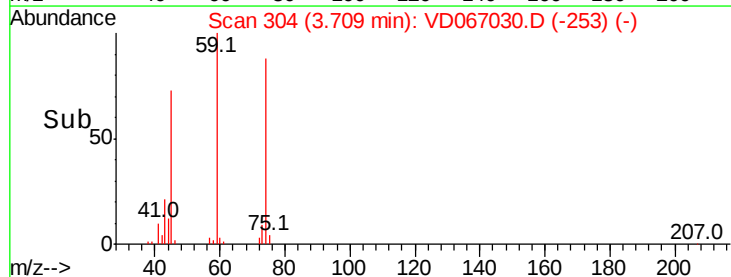
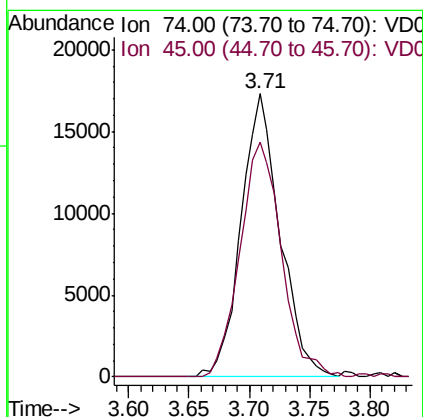
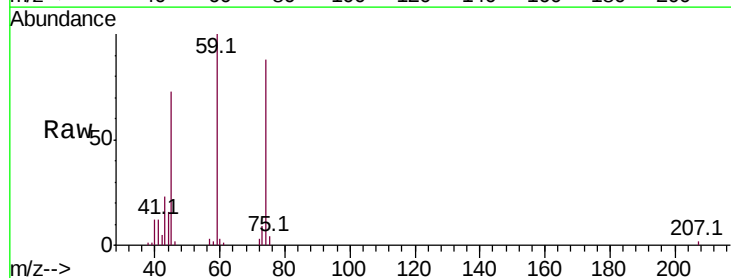
Tot Ion:101 Resp: 160848
Ion Ratio Lower Upper
101 100
103 67.1 49.8 74.8

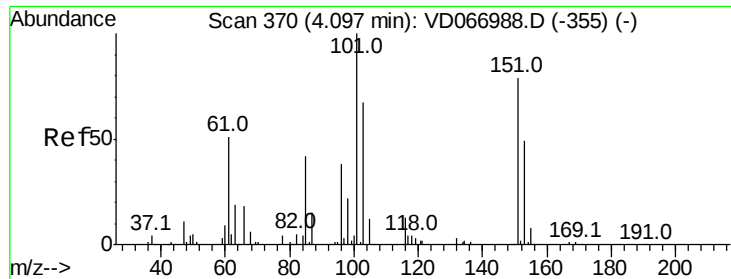


#8

Diethyl Ether
Concen: 19.076 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 74 Resp: 38785
Ion Ratio Lower Upper
74 100
45 88.6 43.1 129.3

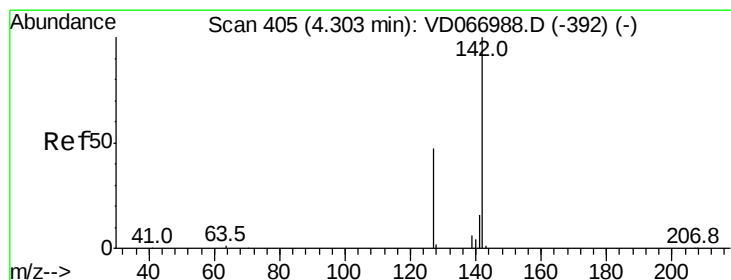
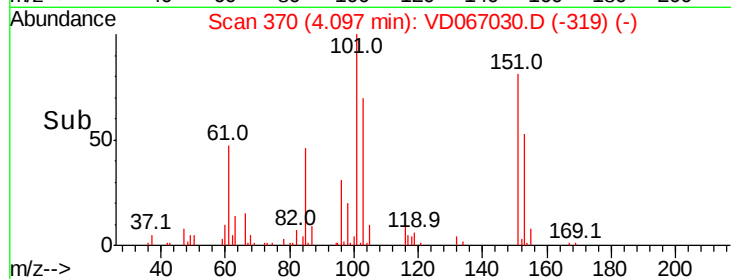
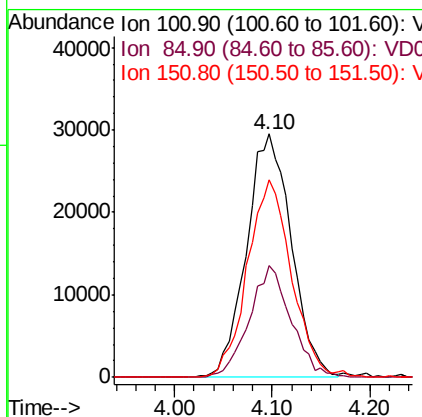
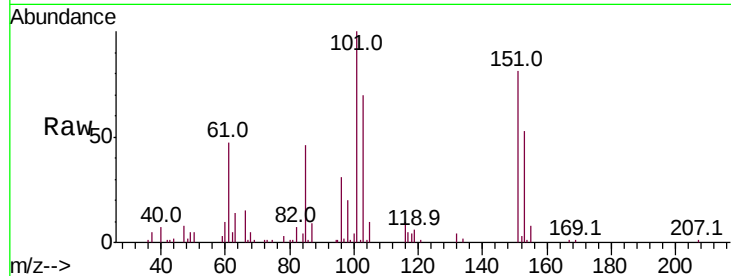




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.445 ug/l
 RT: 4.10 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

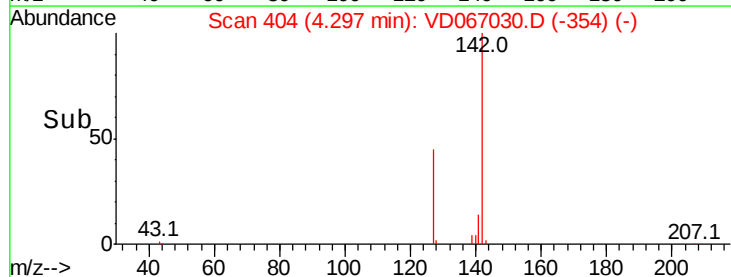
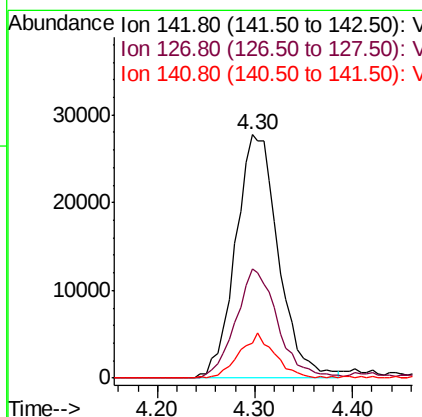
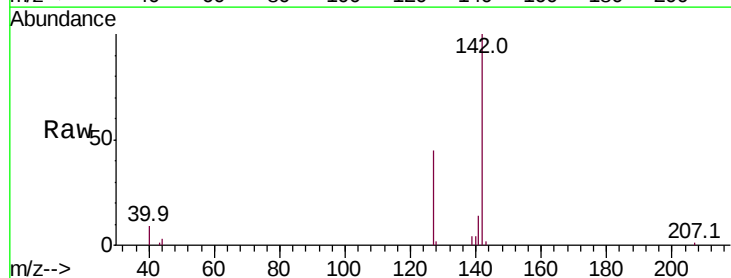
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD01

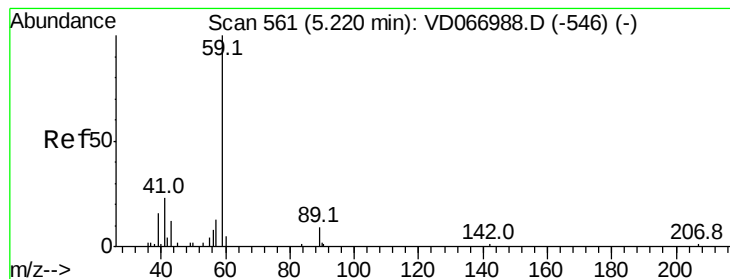
Tot Ion:101 Resp: 94744
 Ion Ratio Lower Upper
 101 100
 85 42.4 33.8 50.8
 151 80.0 63.8 95.8



#10
 Methyl Iodide
 Concen: 18.889 ug/l
 RT: 4.30 min Scan# 404
 Delta R.T. -0.01 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion:142 Resp: 85052
 Ion Ratio Lower Upper
 142 100
 127 44.0 36.3 54.5
 141 15.2 12.0 18.0





#11

Tert butyl alcohol

Concen: 79.998 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

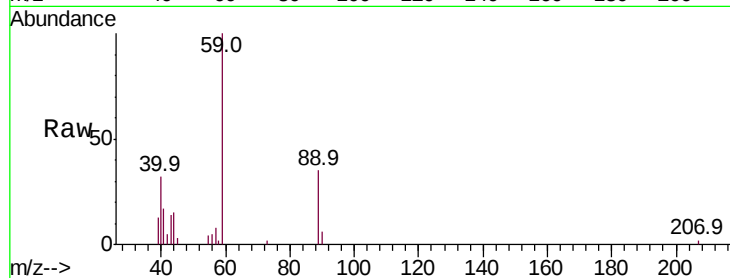
VD1002SBS01

Tot Ion: 59 Resp: 29489

Ion Ratio Lower Upper

59 100

57 7.1 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

8000

6000

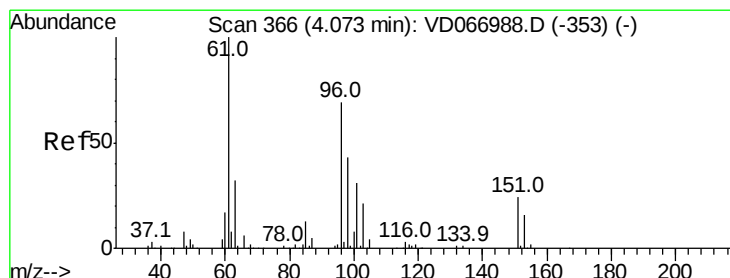
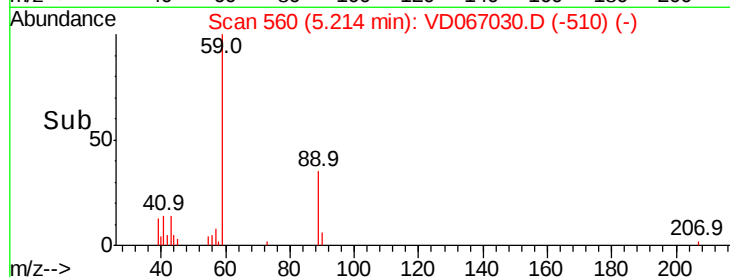
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 19.962 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

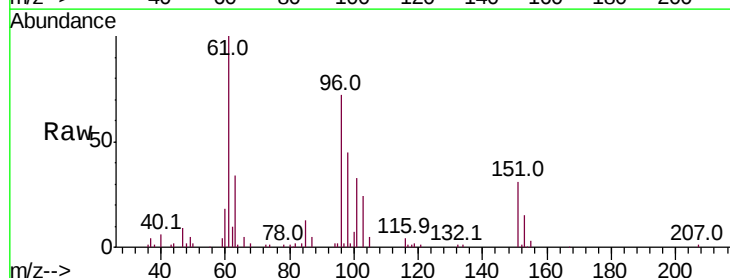
Tgt Ion: 96 Resp: 86961

Ion Ratio Lower Upper

96 100

61 138.5 116.4 174.6

98 61.9 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

60000

50000

40000

30000

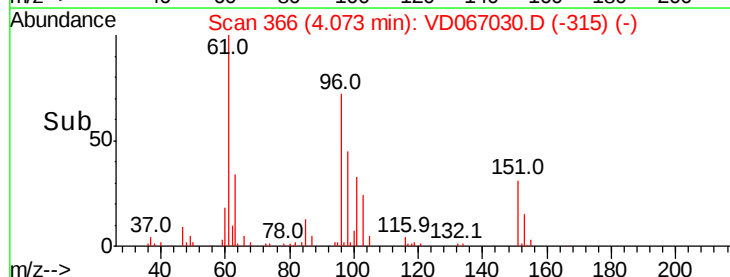
20000

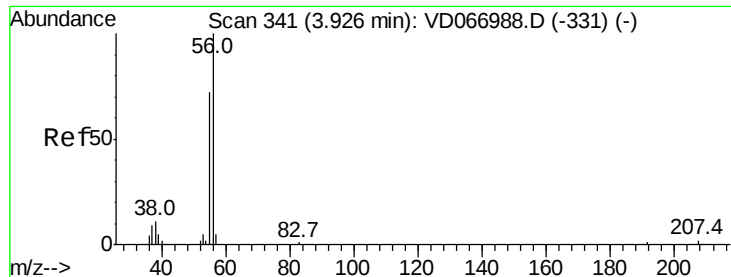
10000

0

Time-->

4.00 4.10





#13

Acrolein

Concen: 94.807 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

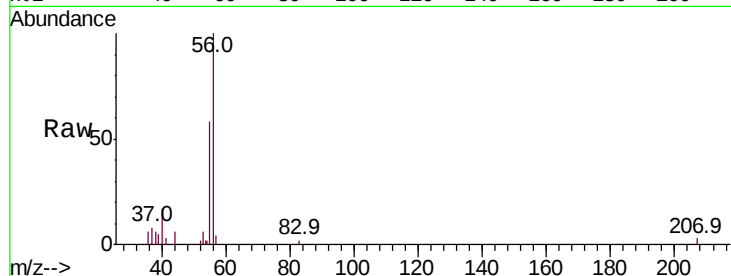
VD1002SBSD01

Tot Ion: 56 Resp: 28258

Ion Ratio Lower Upper

56 100

55 69.2 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

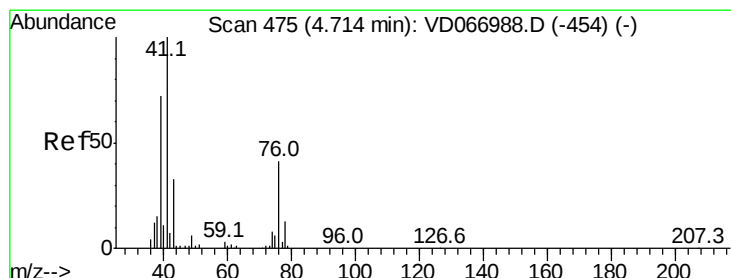
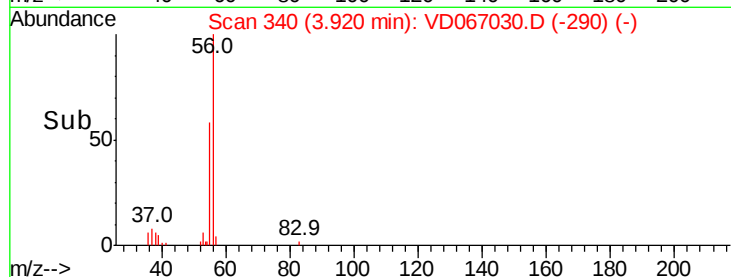
4000

2000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 19.547 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

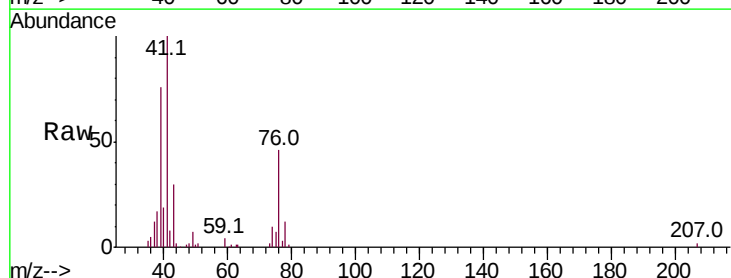
Tgt Ion: 41 Resp: 110623

Ion Ratio Lower Upper

41 100

39 70.0 56.2 84.2

76 44.4 34.2 51.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

40000

30000

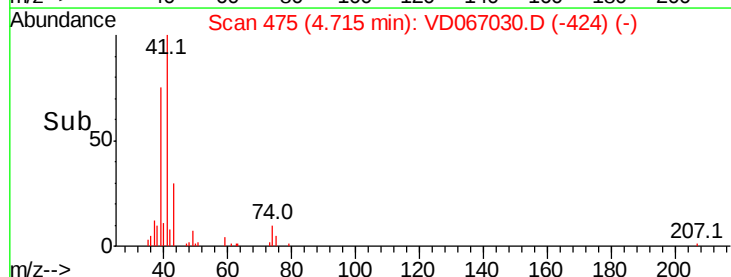
20000

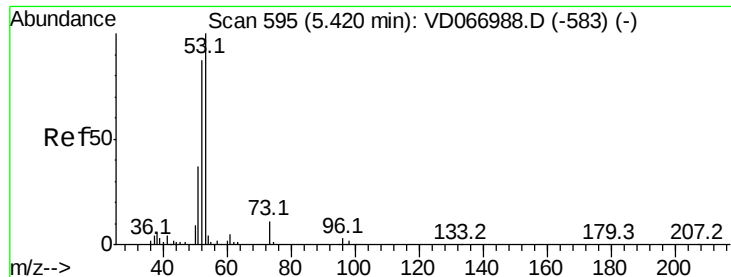
10000

0

4.50 4.60 4.70 4.80 4.90

Time-->





#15

Acrylonitrile

Concen: 95.576 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

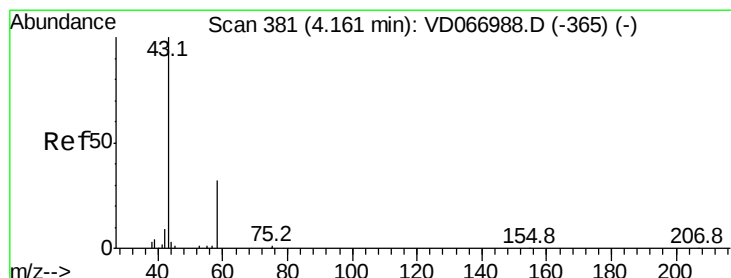
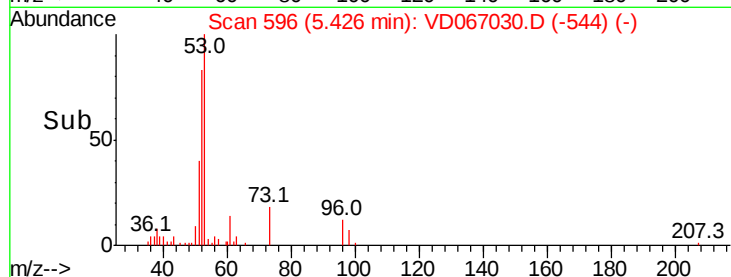
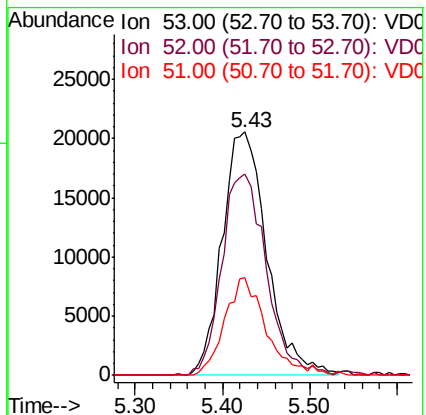
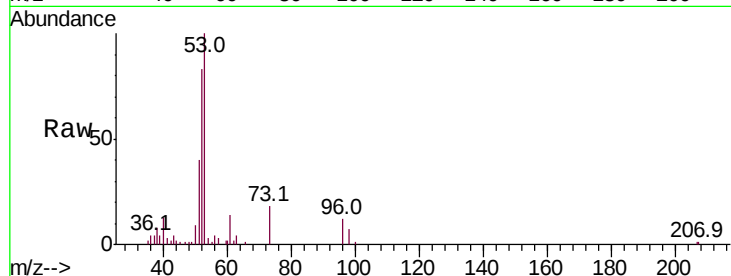
Tot Ion: 53 Resp: 71519

Ion Ratio Lower Upper

53 100

52 82.0 67.3 100.9

51 36.3 30.2 45.2



#16

Acetone

Concen: 96.045 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067030.D

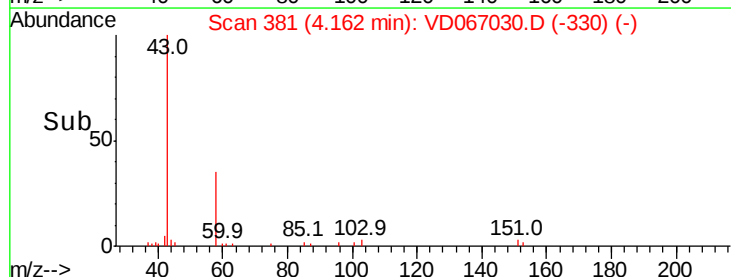
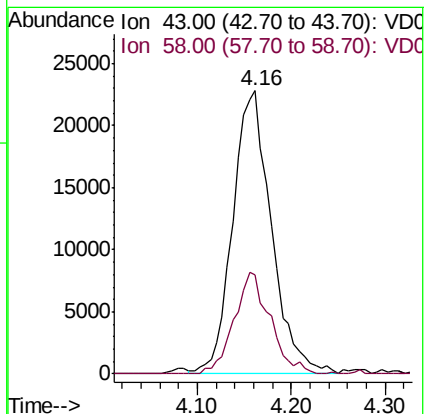
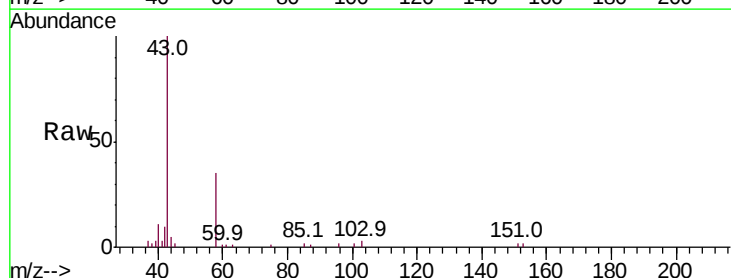
Acq: 02 Oct 2020 12:47

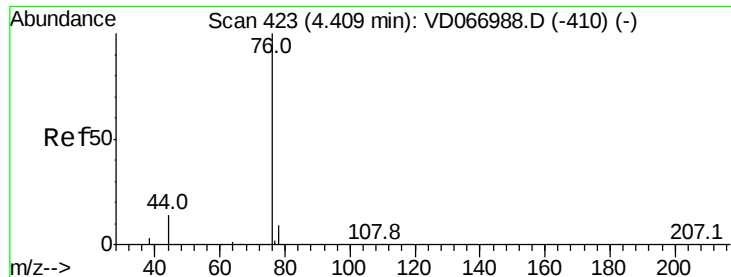
Tgt Ion: 43 Resp: 65262

Ion Ratio Lower Upper

43 100

58 35.0 25.9 38.9

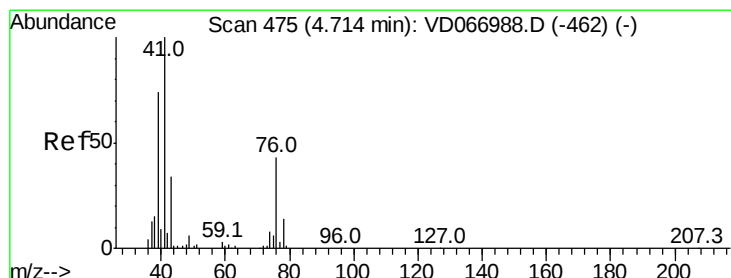
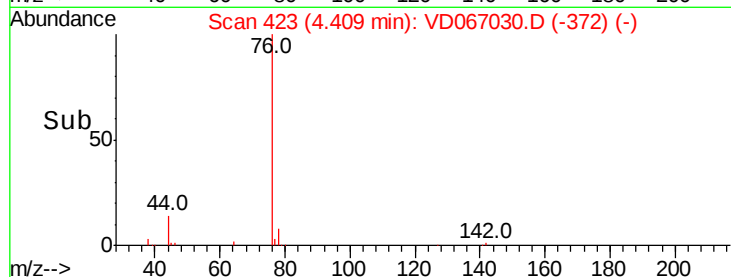
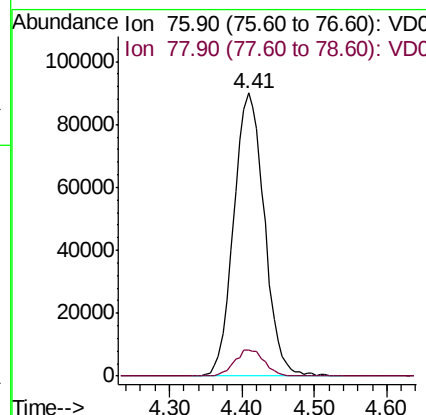
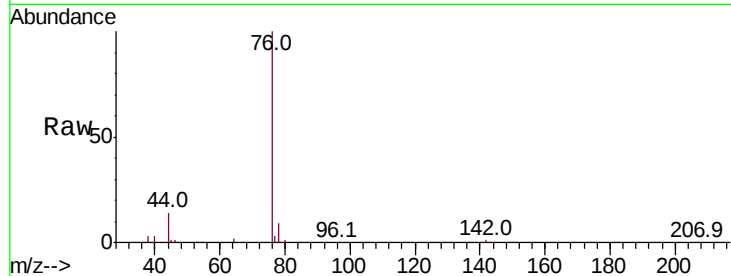




#17
Carbon Disulfide
Concen: 19.728 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

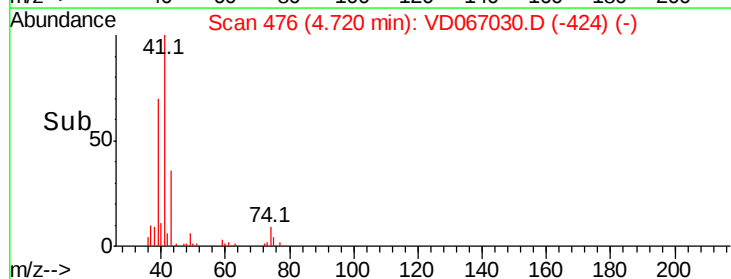
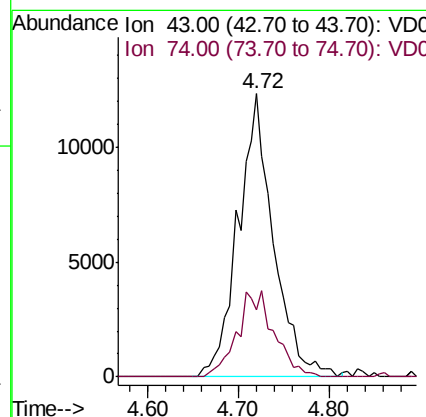
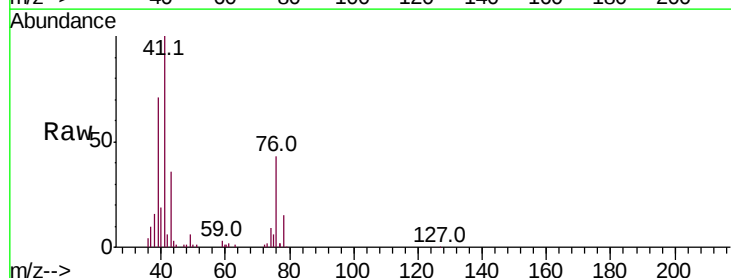
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

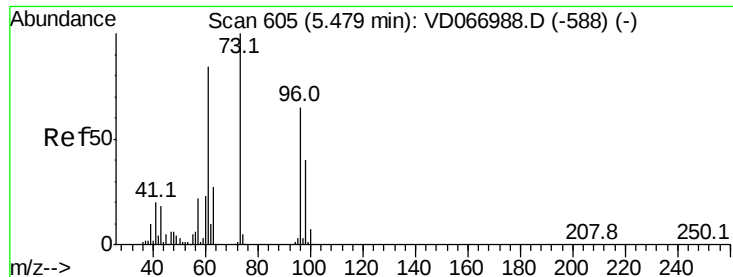
Tot Ion: 76 Resp: 263760
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 19.499 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 43 Resp: 33300
Ion Ratio Lower Upper
43 100
74 31.7 21.5 32.3



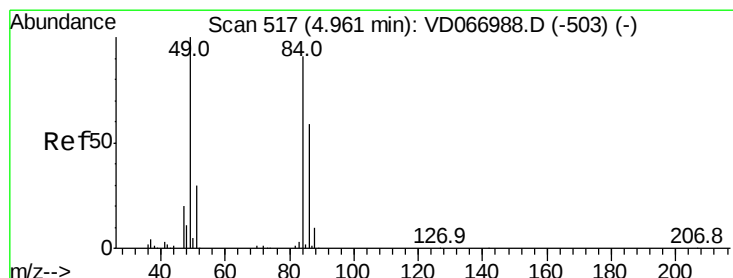
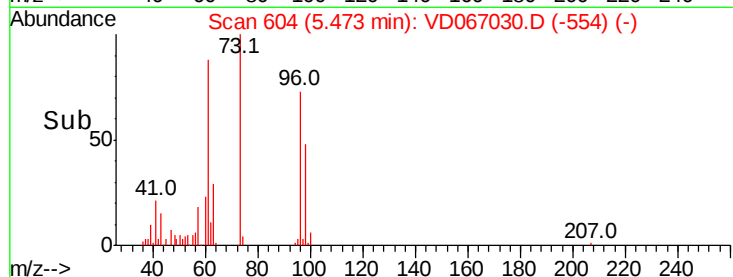
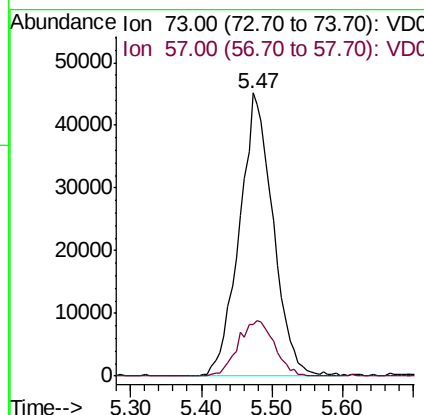
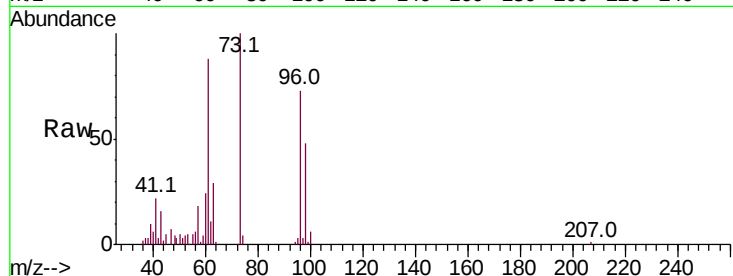


#19

Methyl tert-butyl Ether
 Concen: 18.868 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

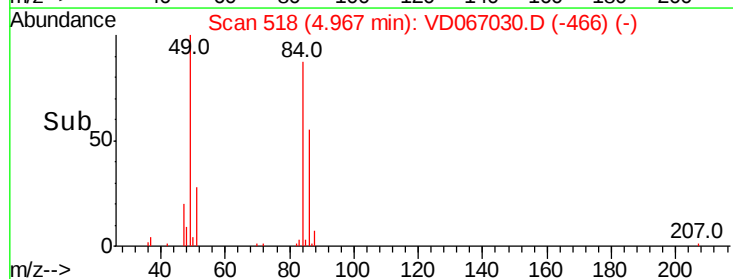
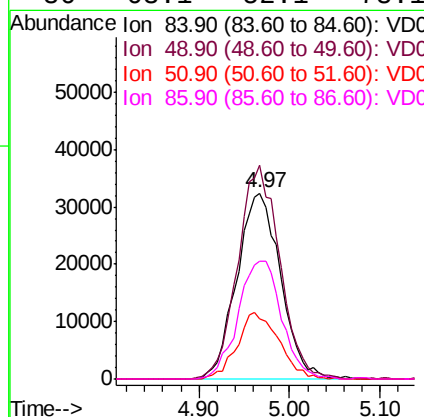
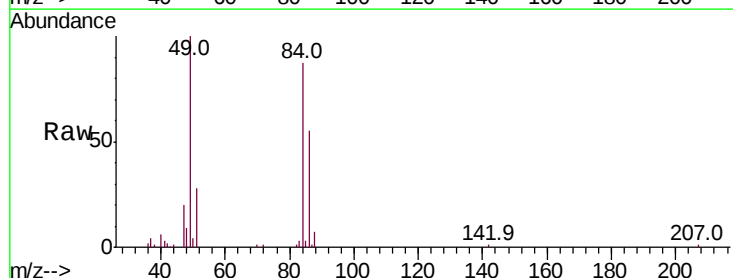
Tot Ion: 73 Resp: 150055
 Ion Ratio Lower Upper
 73 100
 57 18.1 17.4 26.0

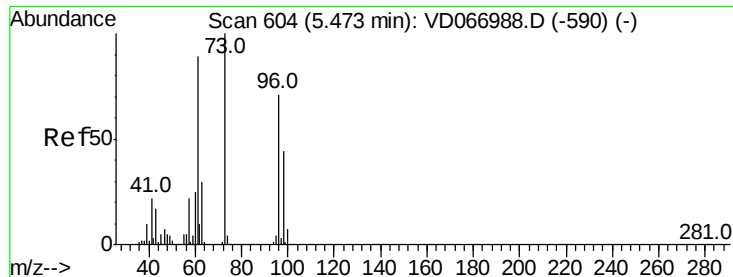


#20

Methylene Chloride
 Concen: 17.779 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion: 84 Resp: 108331
 Ion Ratio Lower Upper
 84 100
 49 114.8 88.2 132.2
 51 32.0 26.6 39.8
 86 63.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.857 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

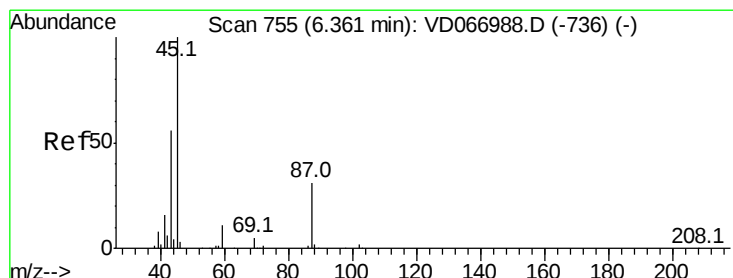
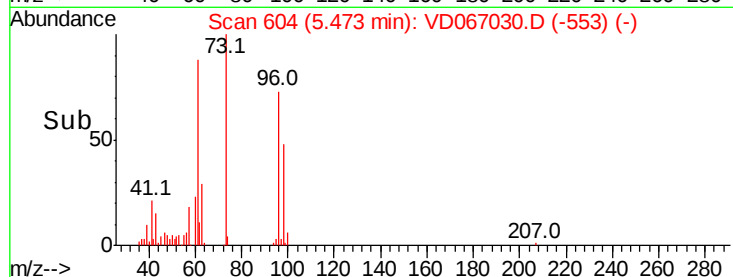
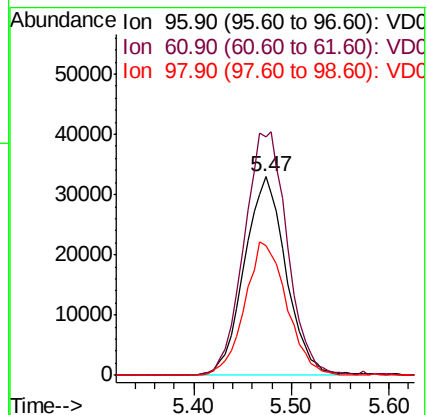
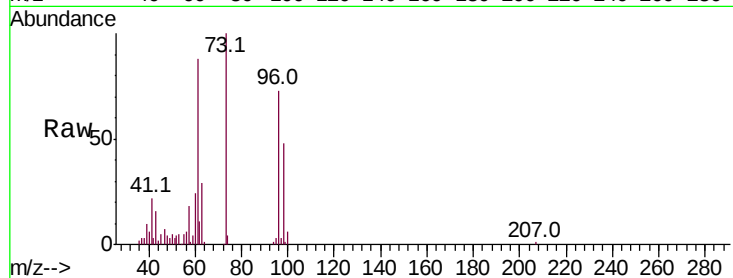
Tot Ion: 96 Resp: 98445

Ion Ratio Lower Upper

96 100

61 120.2 99.6 149.4

98 65.3 49.4 74.2



#22

Diisopropyl ether

Concen: 20.475 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Tgt Ion: 45 Resp: 211551

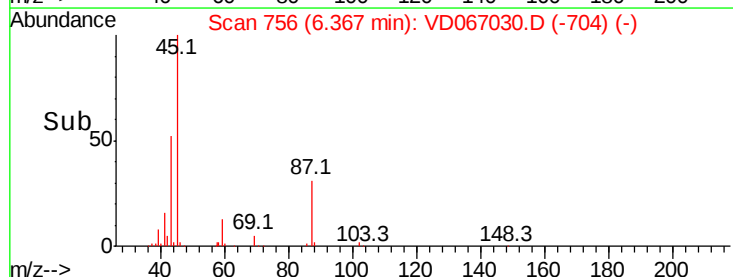
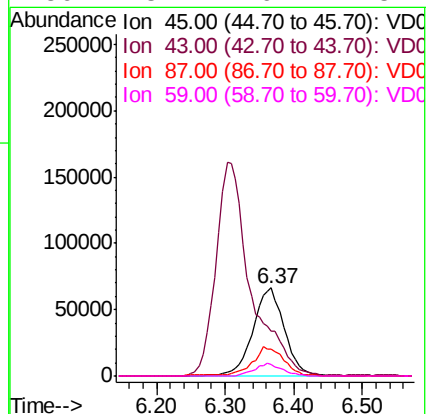
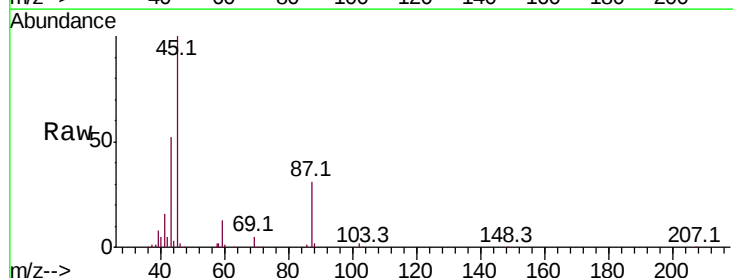
Ion Ratio Lower Upper

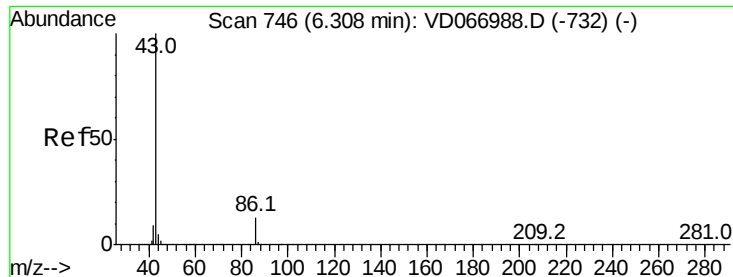
45 100

43 50.5 45.2 67.8

87 30.8 25.6 38.4

59 13.1 9.1 13.7





#23

Vinyl Acetate

Concen: 96.641 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

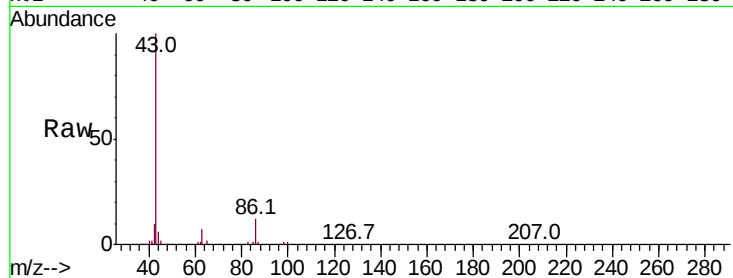
VD1002SBS01

Tot Ion: 43 Resp: 565814

Ion Ratio Lower Upper

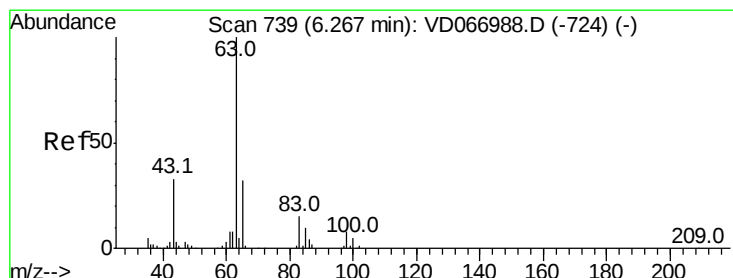
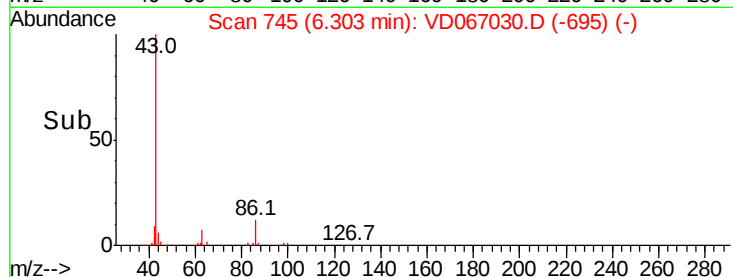
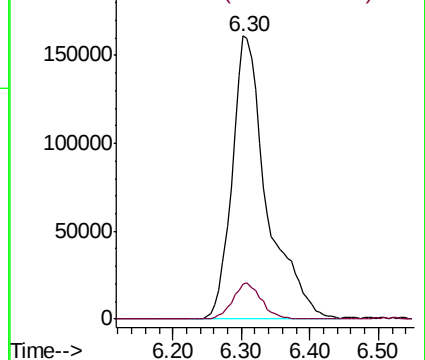
43 100

86 12.2 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.199 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

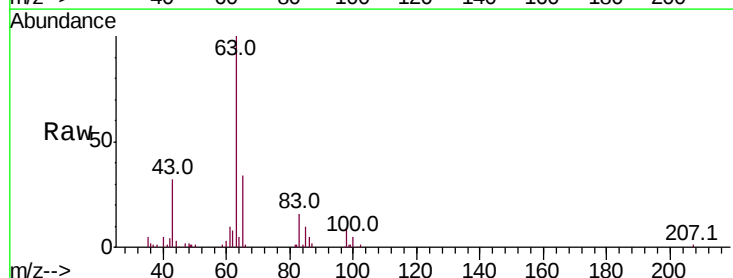
Tgt Ion: 63 Resp: 161062

Ion Ratio Lower Upper

63 100

98 8.7 4.2 12.6

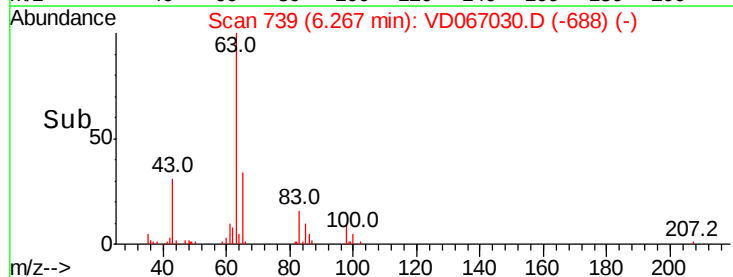
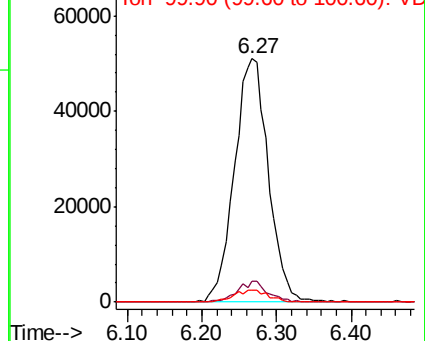
100 4.8 2.6 7.8

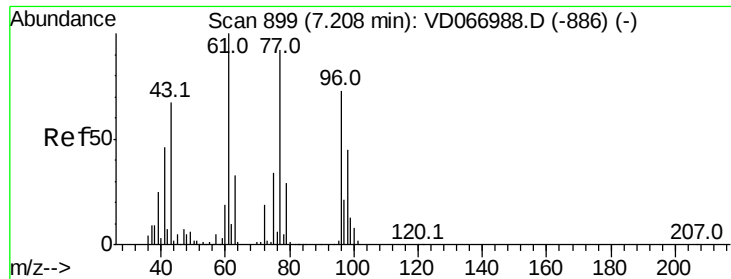


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 90.804 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

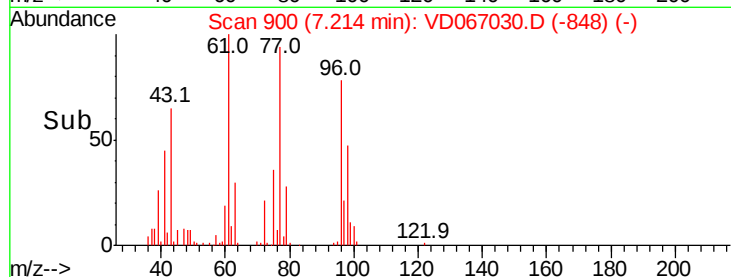
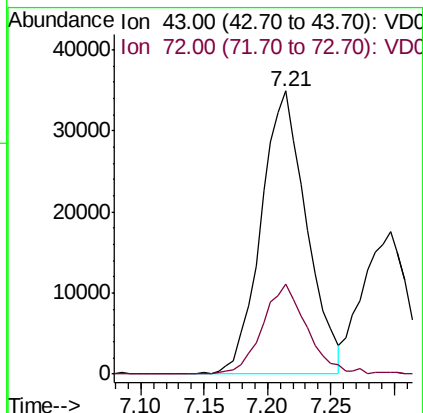
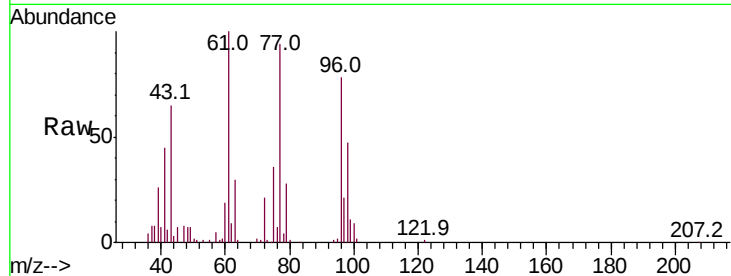
VD1002SBSD01

Tot Ion: 43 Resp: 87477

Ion Ratio Lower Upper

43 100

72 31.8 22.8 34.2



#26

2,2-Dichloropropane

Concen: 18.523 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067030.D

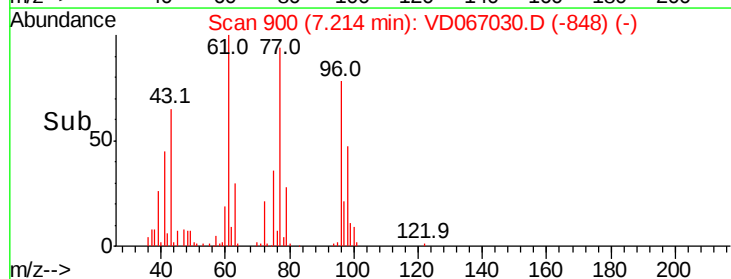
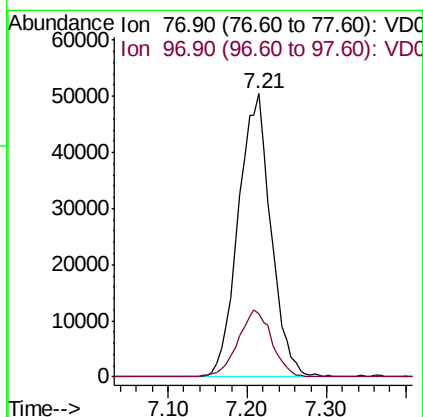
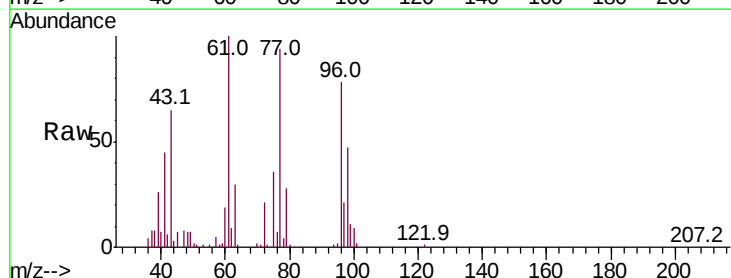
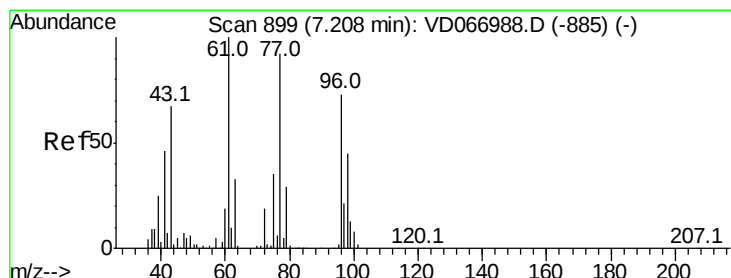
Acq: 02 Oct 2020 12:47

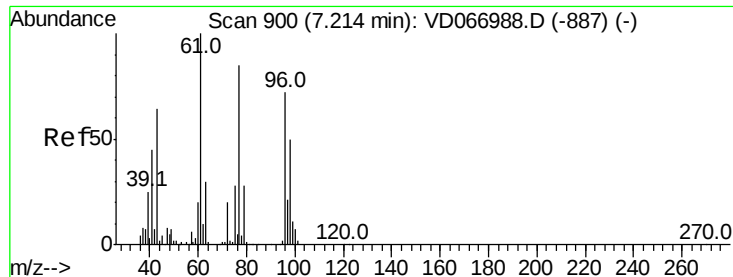
Tgt Ion: 77 Resp: 144004

Ion Ratio Lower Upper

77 100

97 24.3 11.4 34.2



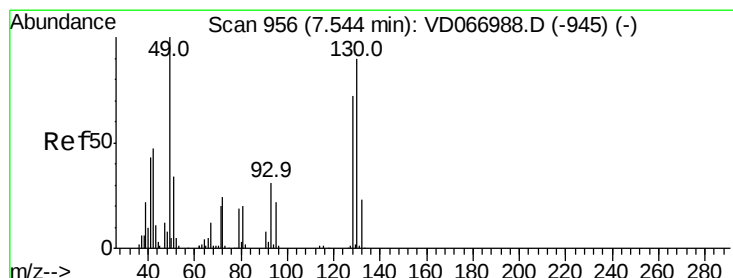
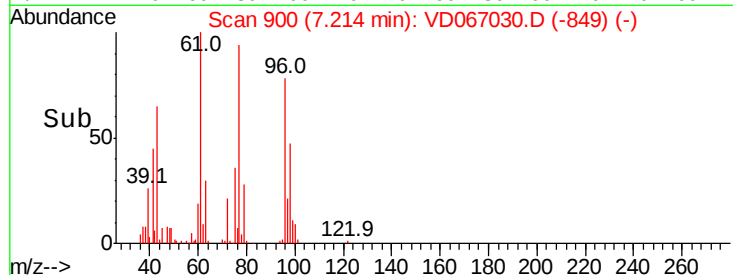
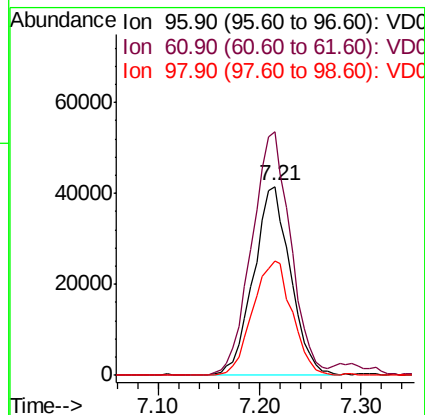
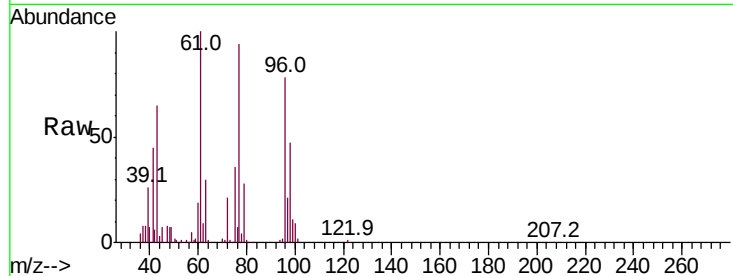


#27

cis-1,2-Dichloroethene
Concen: 19.891 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

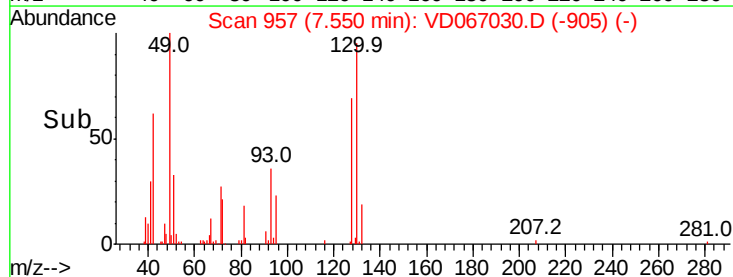
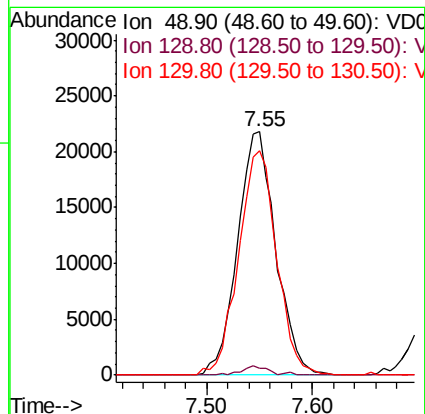
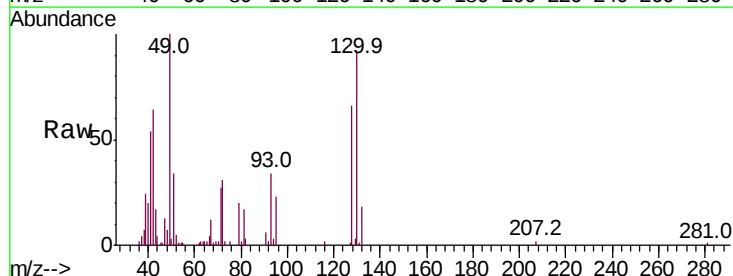
Tot Ion: 96 Resp: 105322
Ion Ratio Lower Upper
96 100
61 135.3 0.0 269.2
98 64.5 0.0 129.4

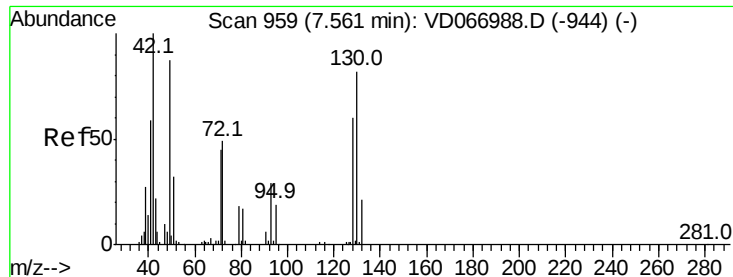


#28

Bromochloromethane
Concen: 17.742 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 49 Resp: 54633
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 91.9 74.1 111.1





#29

Tetrahydrofuran

Concen: 95.112 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

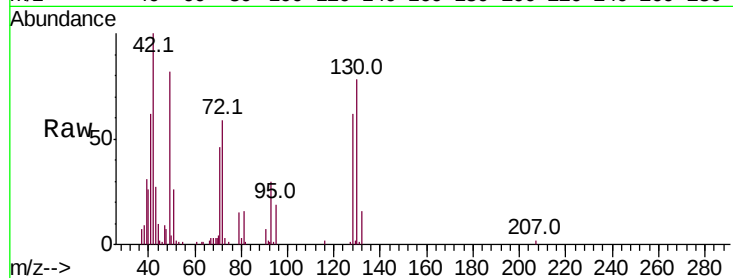
Tot Ion: 42 Resp: 52685

Ion Ratio Lower Upper

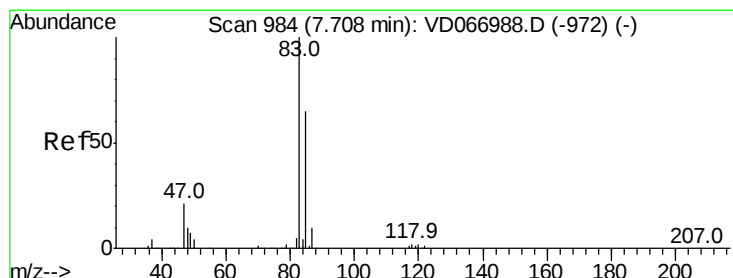
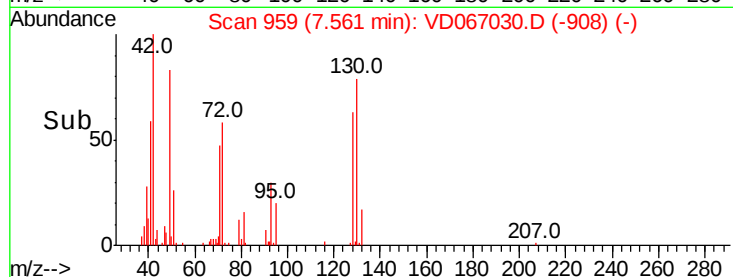
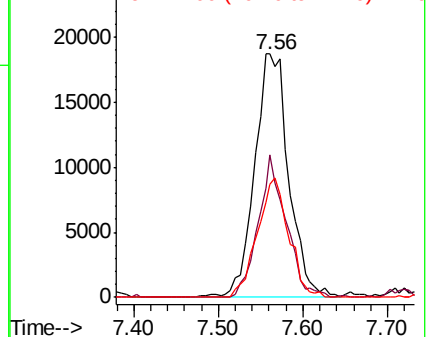
42 100

72 47.7 39.1 58.7

71 44.8 34.2 51.4



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



#30

Chloroform

Concen: 20.069 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD067030.D

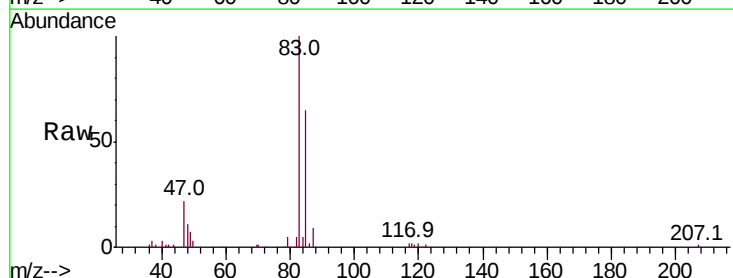
Acq: 02 Oct 2020 12:47

Tgt Ion: 83 Resp: 173597

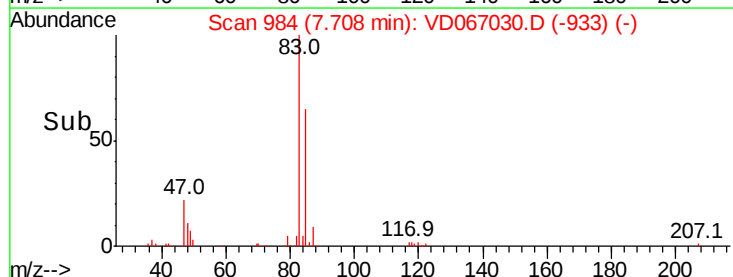
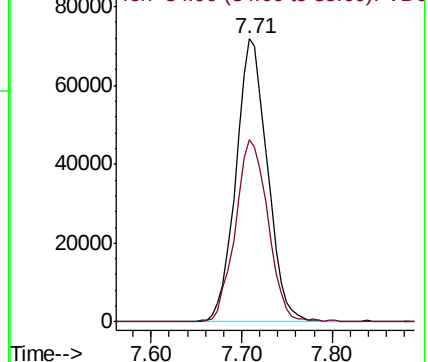
Ion Ratio Lower Upper

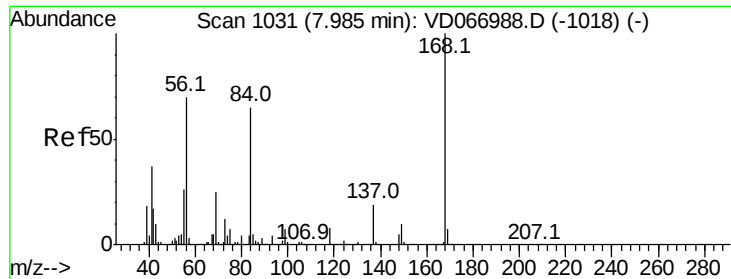
83 100

85 64.6 52.3 78.5



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

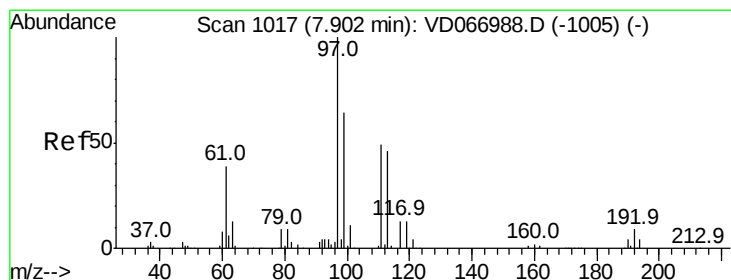
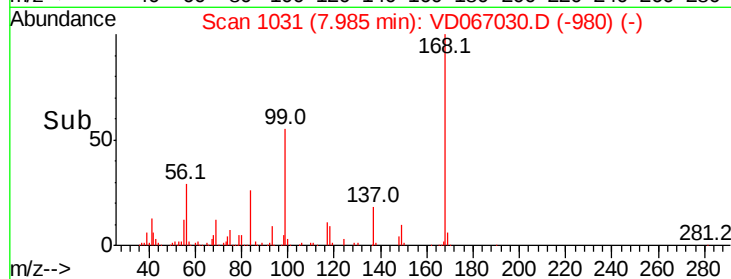
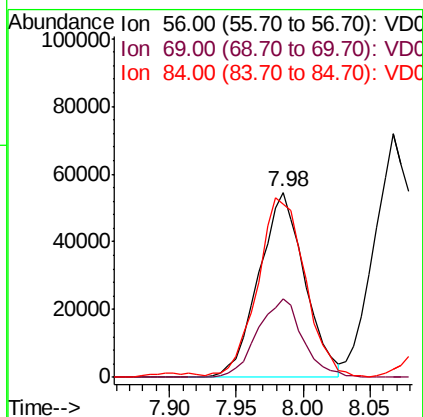
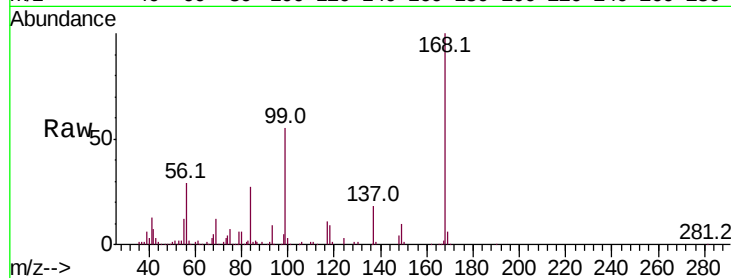




#31
Cyclohexane
Concen: 19.530 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

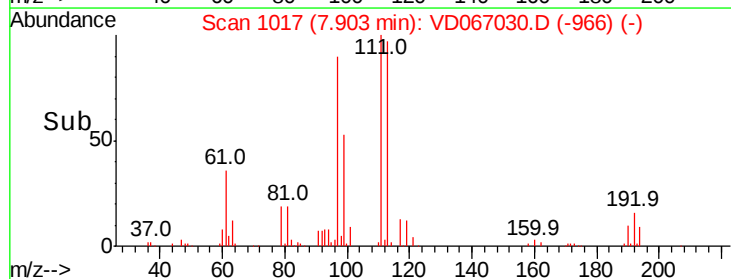
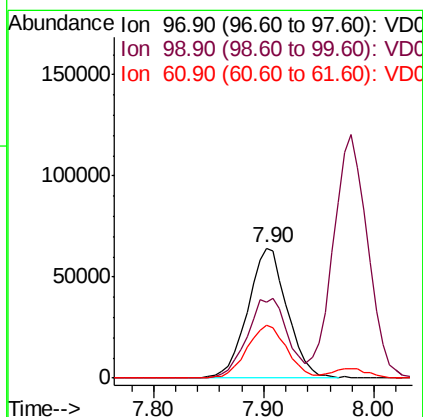
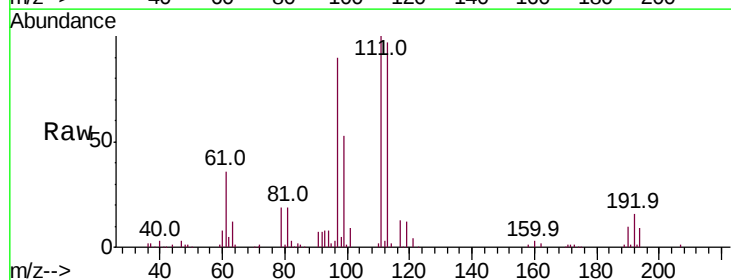
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

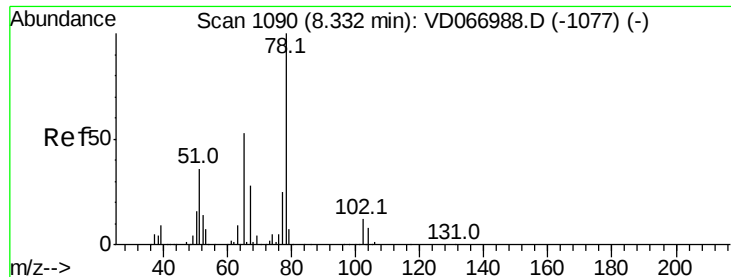
Tot Ion: 56 Resp: 130558
Ion Ratio Lower Upper
56 100
69 41.8 29.0 43.6
84 91.7 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 19.959 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 97 Resp: 160002
Ion Ratio Lower Upper
97 100
99 63.3 52.6 78.8
61 41.2 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 47.477 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

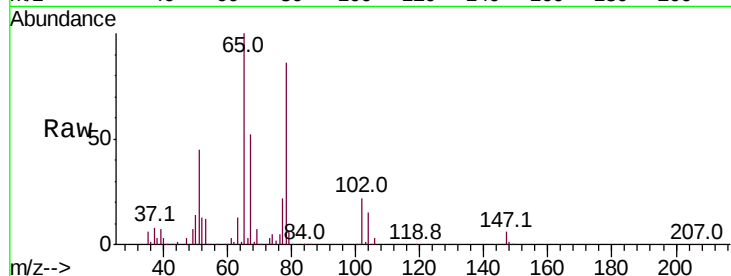
VD1002SBSD01

Tot Ion: 65 Resp: 211334

Ion Ratio Lower Upper

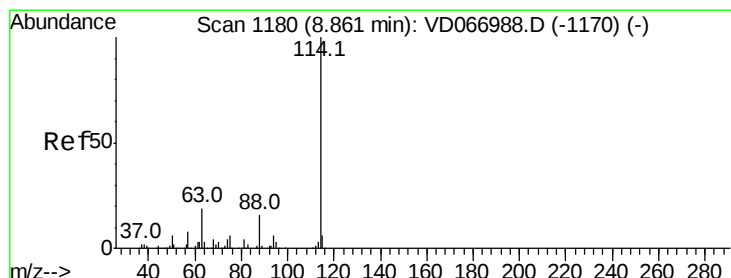
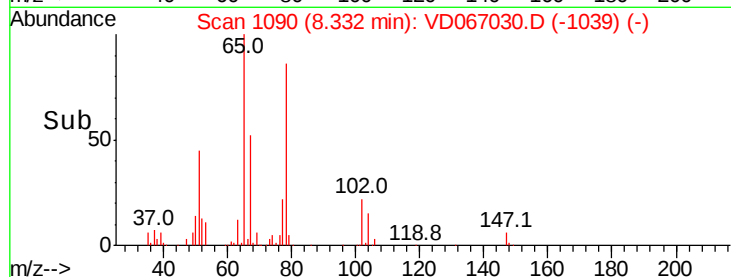
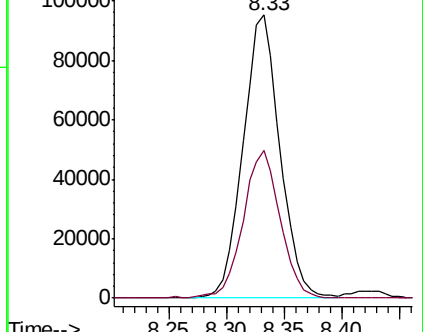
65 100

67 52.3 0.0 106.8



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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

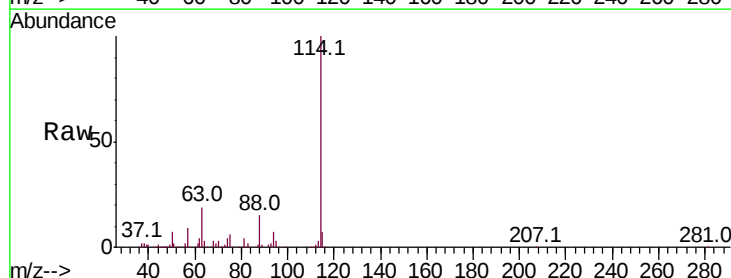
Tgt Ion: 114 Resp: 717562

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

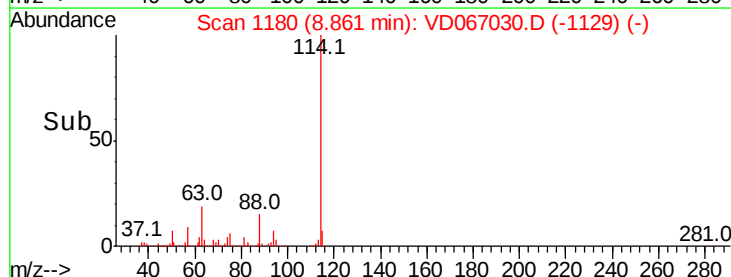
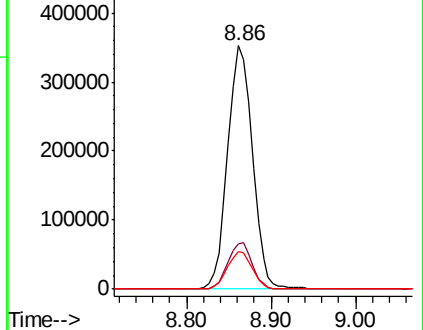
88 15.3 0.0 31.2

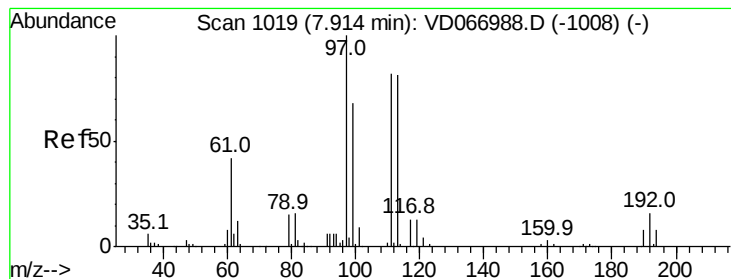


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.686 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

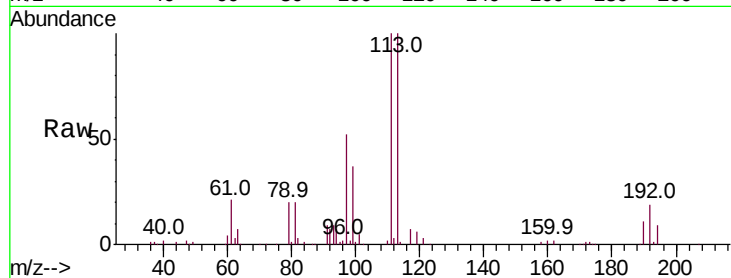
Tot Ion:113 Resp: 228712

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

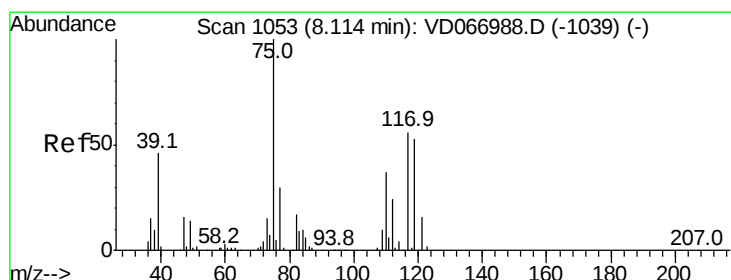
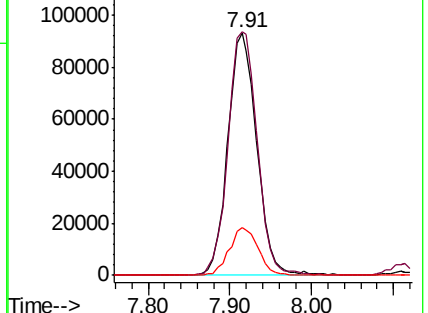
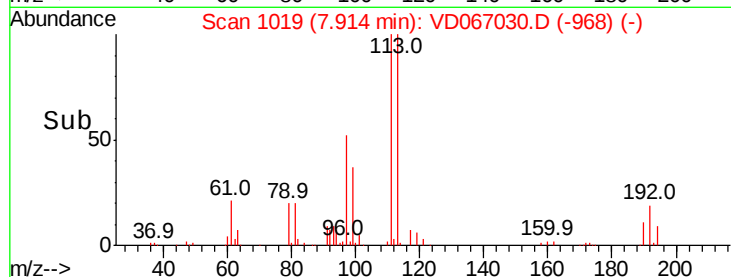
192 19.5 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.632 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

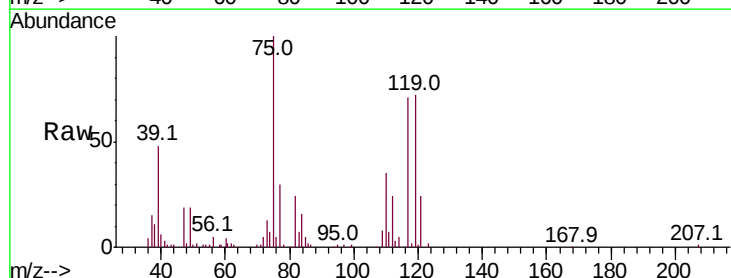
Tgt Ion: 75 Resp: 131305

Ion Ratio Lower Upper

75 100

110 38.2 18.4 55.0

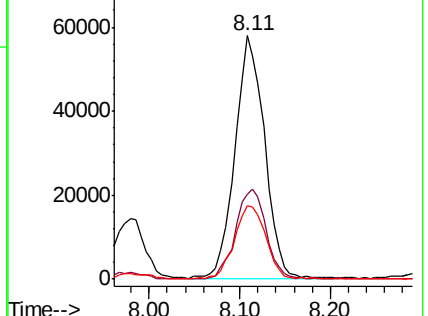
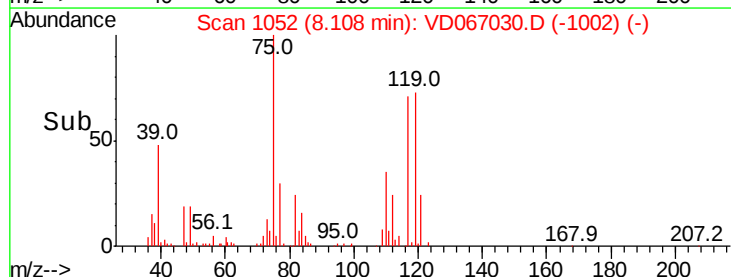
77 32.2 24.8 37.2

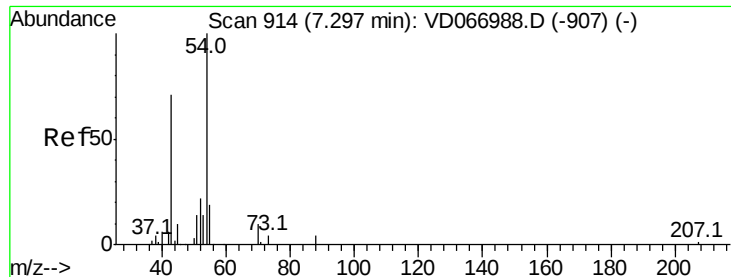


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

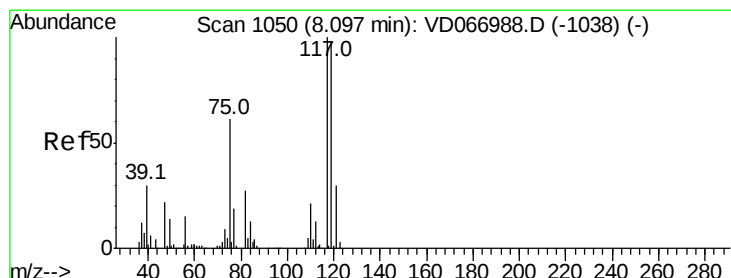
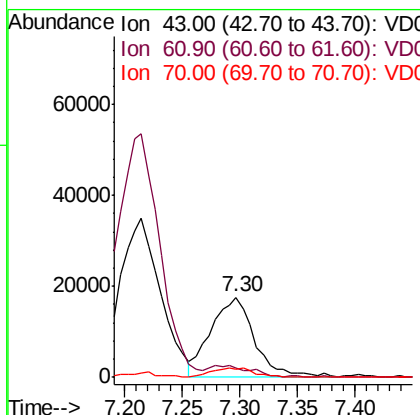
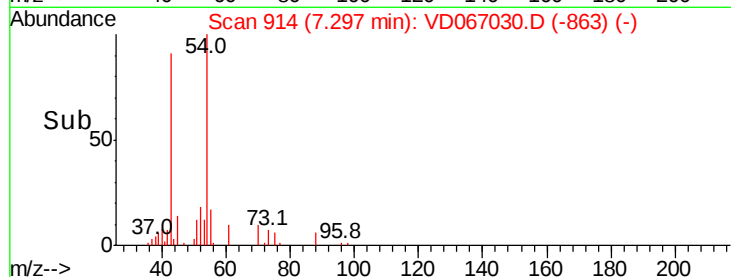
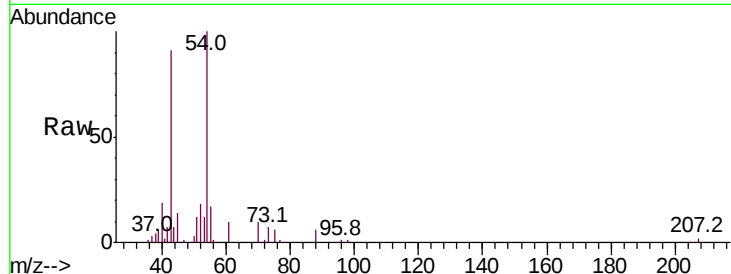




#37
Ethyl Acetate
Concen: 19.541 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

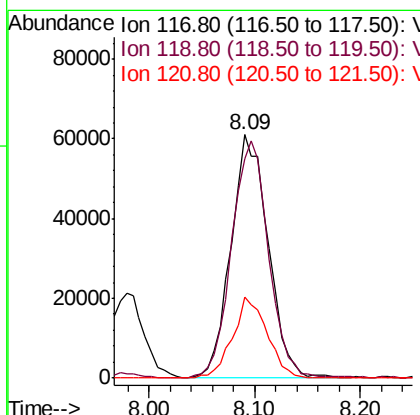
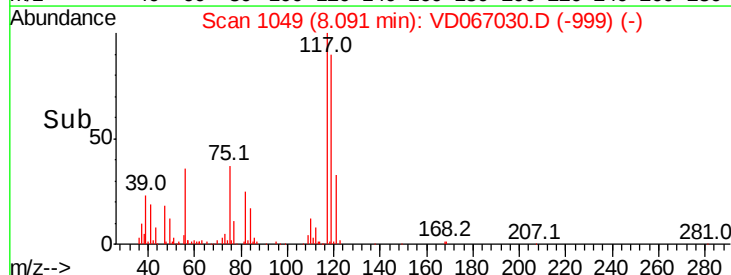
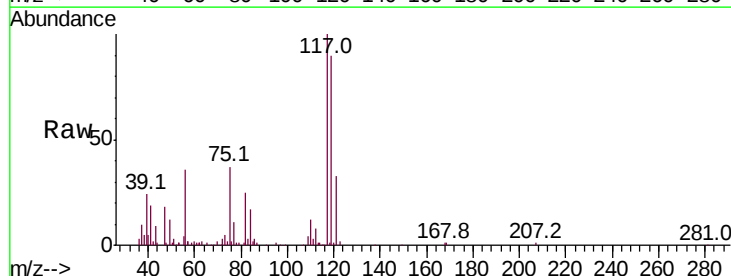
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

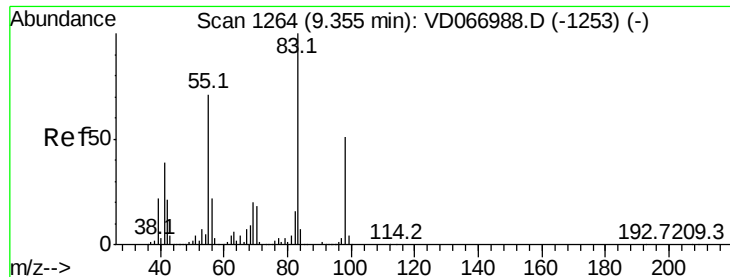
Tot Ion: 43 Resp: 45277
Ion Ratio Lower Upper
43 100
61 0.0 12.5 18.7#
70 11.9 9.4 14.0



#38
Carbon Tetrachloride
Concen: 20.418 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 117 Resp: 147764
Ion Ratio Lower Upper
117 100
119 90.2 78.7 118.1
121 33.5 24.2 36.2

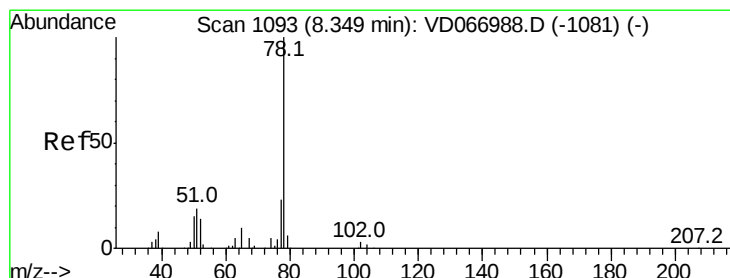
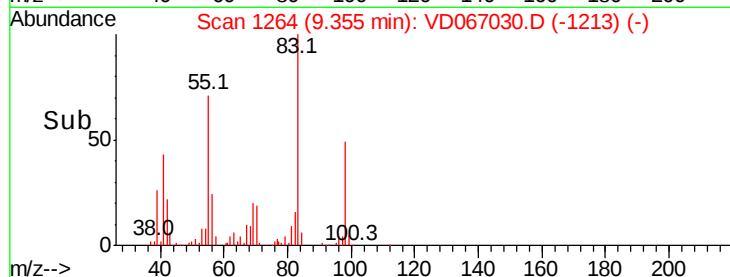
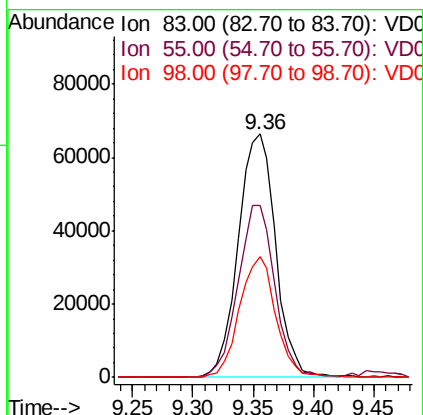
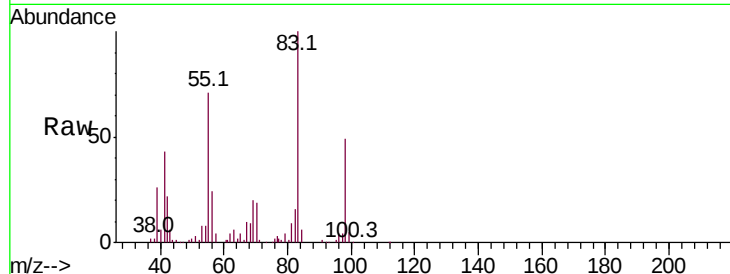




#39
Methvlcvclohexane
Concen: 20.254 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

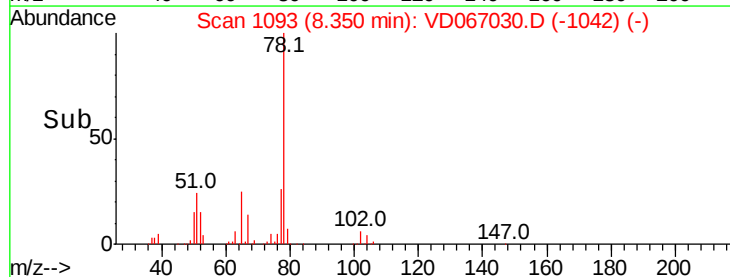
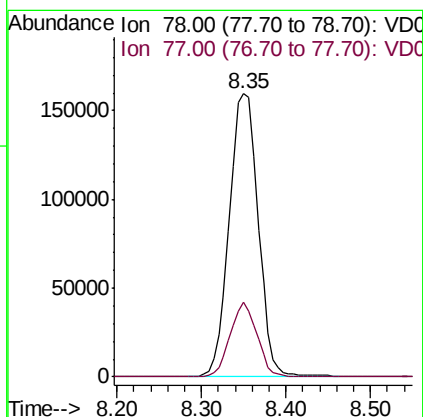
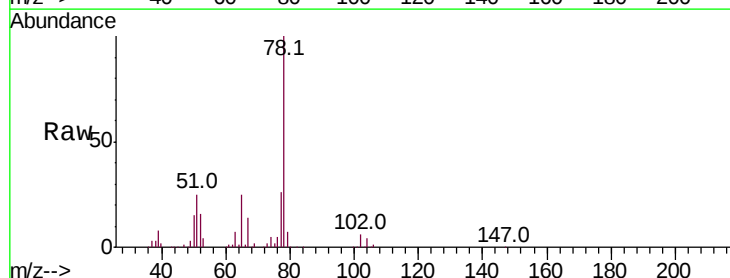
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

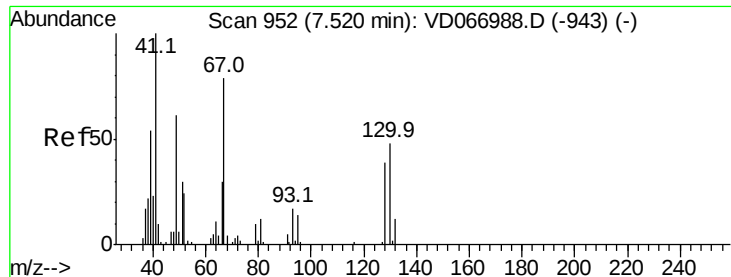
Tot Ion: 83 Resp: 143226
Ion Ratio Lower Upper
83 100
55 70.7 57.1 85.7
98 49.4 40.9 61.3



#40
Benzene
Concen: 20.298 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 78 Resp: 377090
Ion Ratio Lower Upper
78 100
77 26.2 18.4 27.6

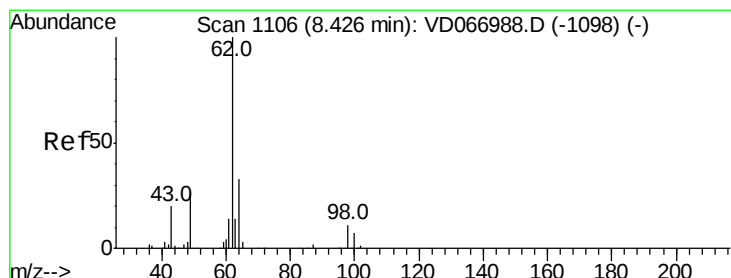
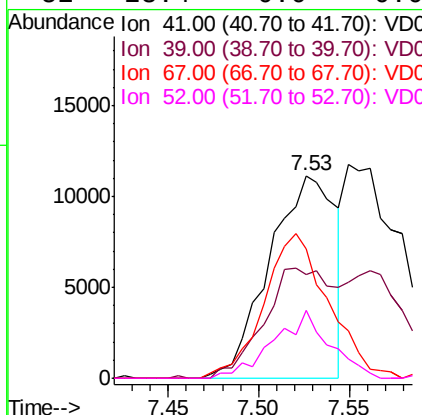
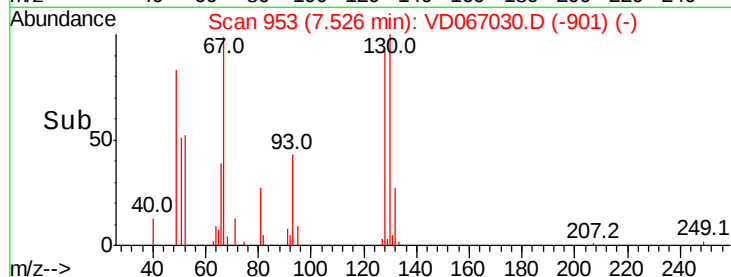
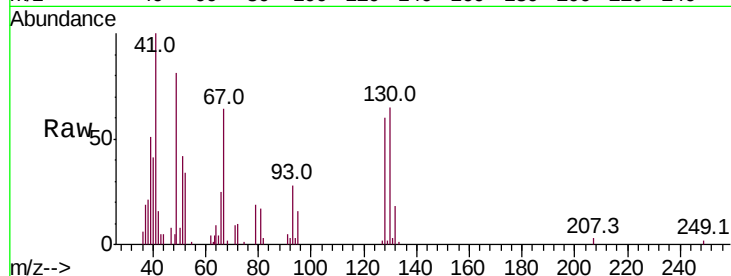




#41
Methacrylonitrile
Concen: 22.626 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

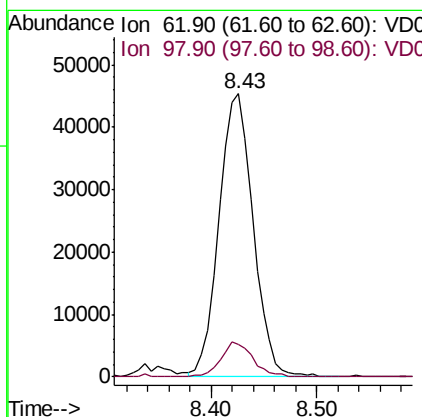
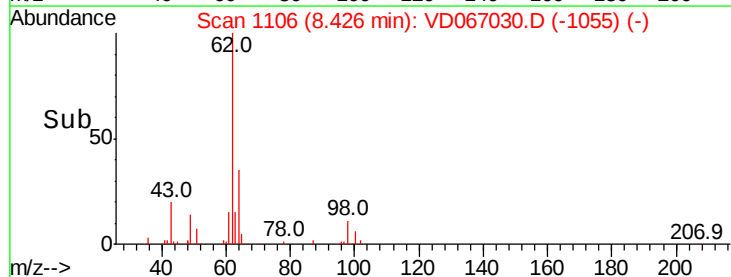
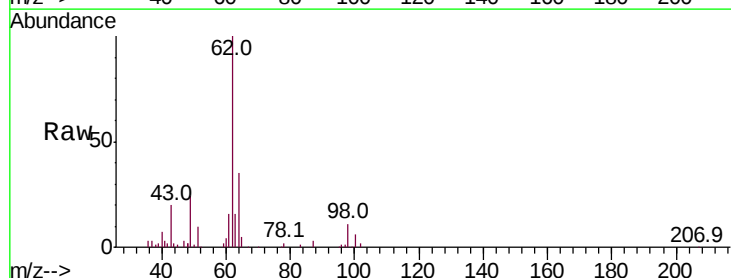
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

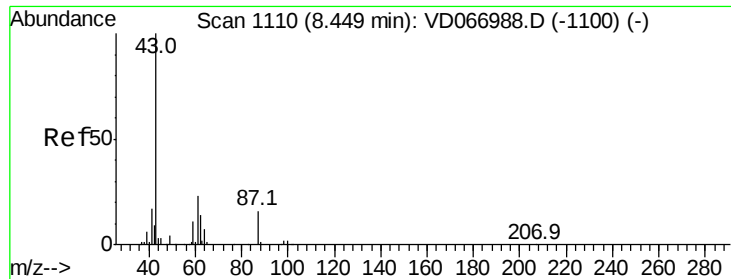
Tot Ion: 41 Resp: 28323
Ion Ratio Lower Upper
41 100
39 56.7 0.0 0.0#
67 69.5 0.0 0.0#
52 28.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.646 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 62 Resp: 101986
Ion Ratio Lower Upper
62 100
98 11.5 0.0 22.6





#43

Isopropyl Acetate

Concen: 20.092 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

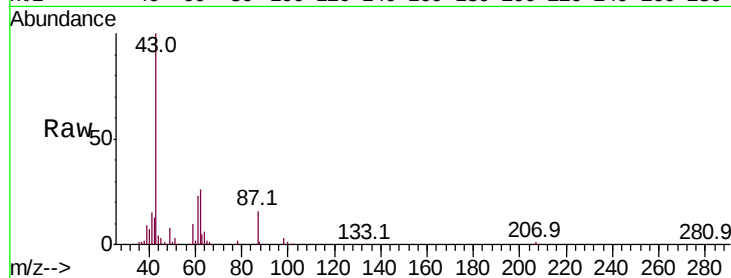
Tot Ion: 43 Resp: 85763

Ion Ratio Lower Upper

43 100

61 34.3 27.1 40.7

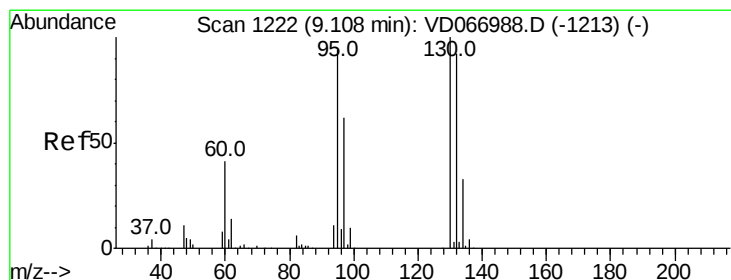
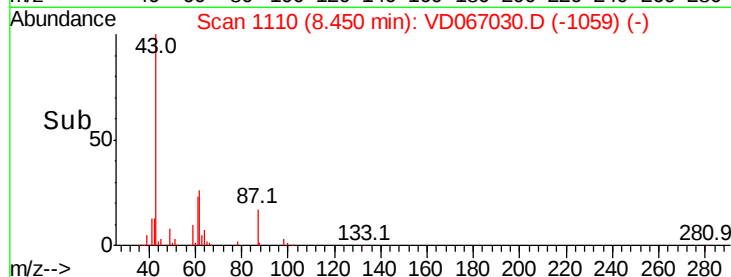
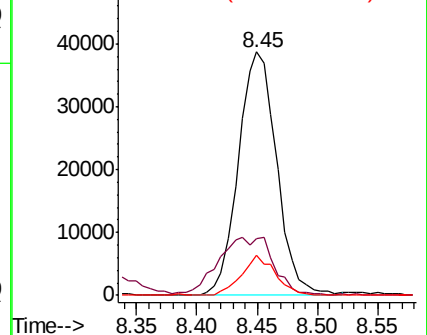
87 14.3 12.3 18.5



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: 20.085 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD067030.D

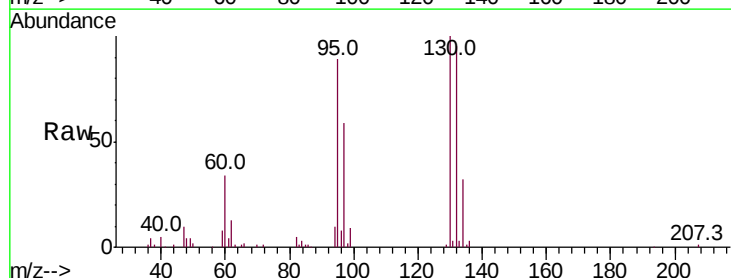
Acq: 02 Oct 2020 12:47

Tgt Ion:130 Resp: 111423

Ion Ratio Lower Upper

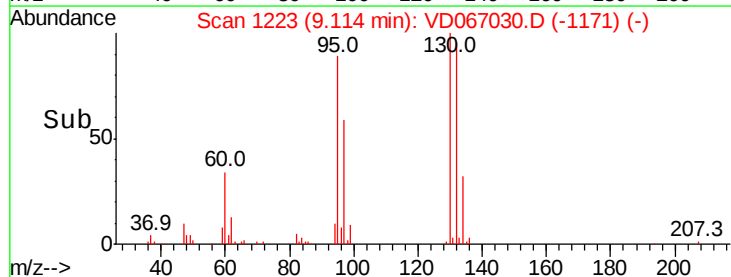
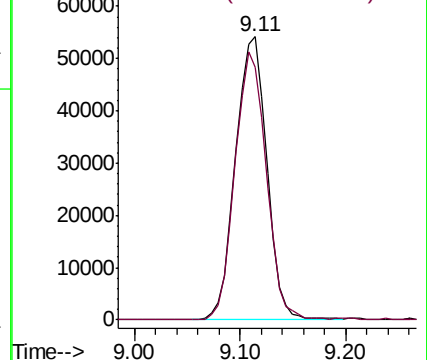
130 100

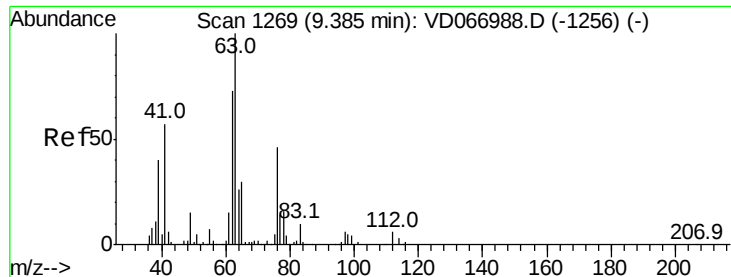
95 89.2 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.268 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

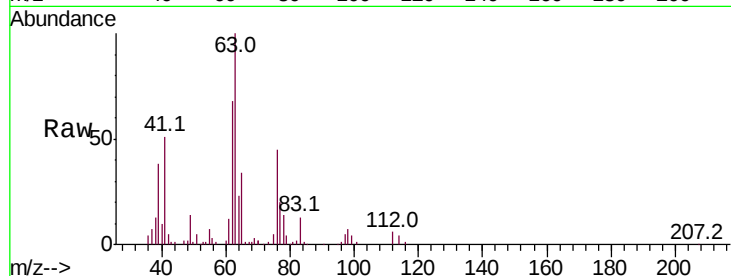
VD1002SBSD01

Tot Ion: 63 Resp: 88469

Ion Ratio Lower Upper

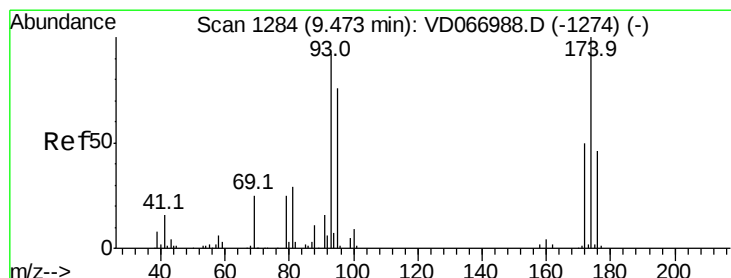
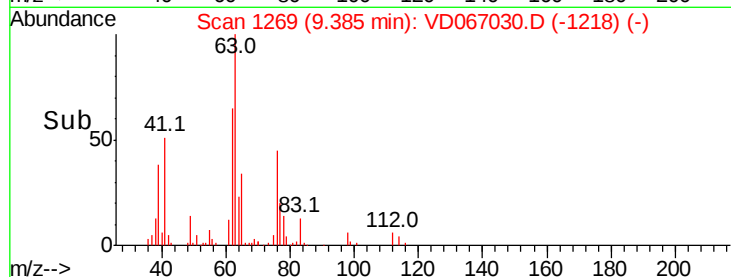
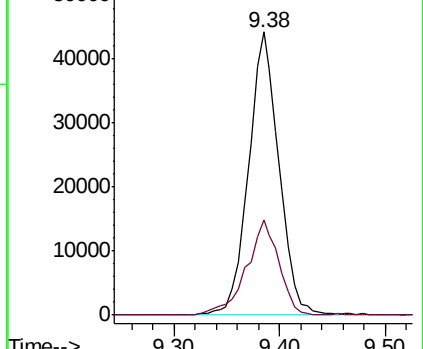
63 100

65 33.3 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.432 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

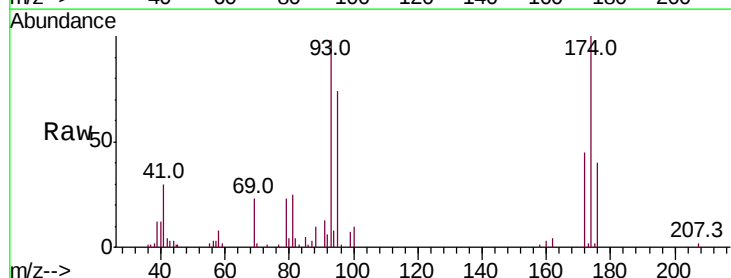
Tgt Ion: 93 Resp: 51260

Ion Ratio Lower Upper

93 100

95 80.5 64.7 97.1

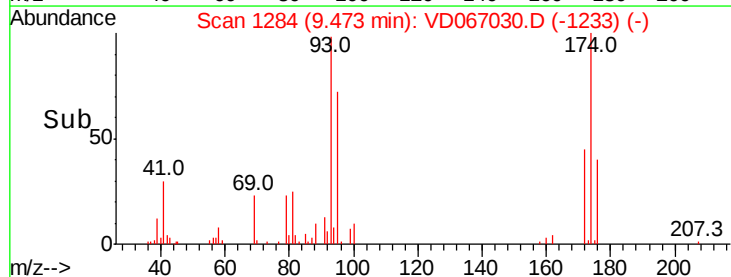
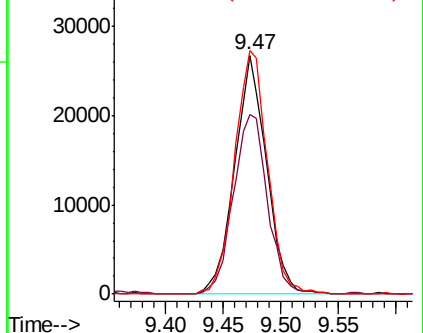
174 105.2 81.4 122.2

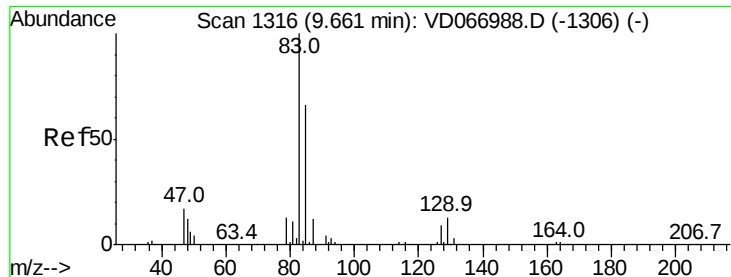


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.000 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

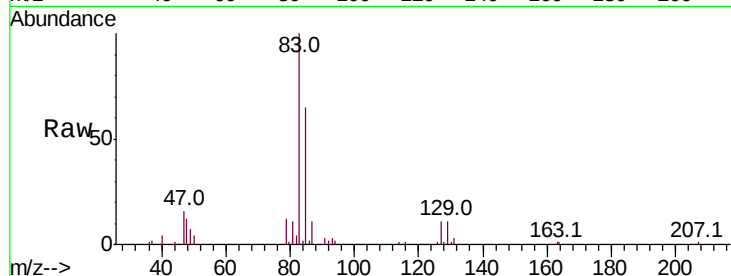
Tot Ion: 83 Resp: 130430

Ion Ratio Lower Upper

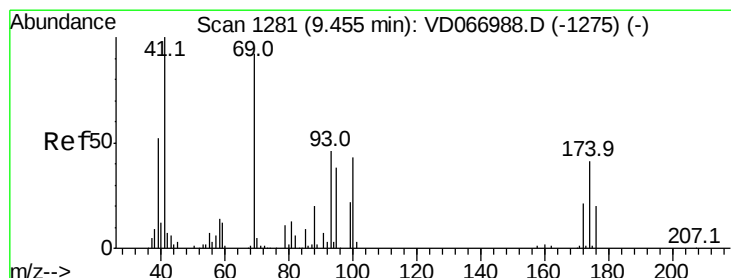
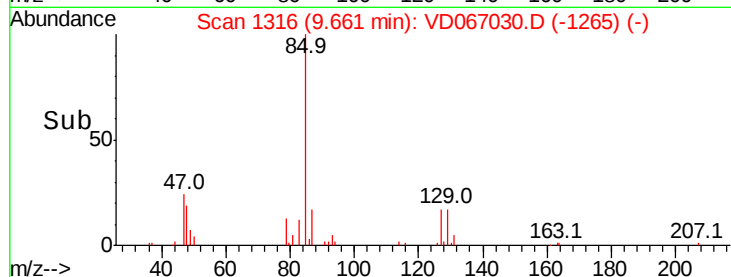
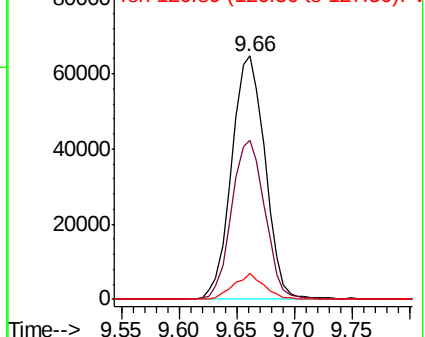
83 100

85 65.3 52.9 79.3

127 10.7 7.3 10.9



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



#48

Methyl methacrylate

Concen: 18.923 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

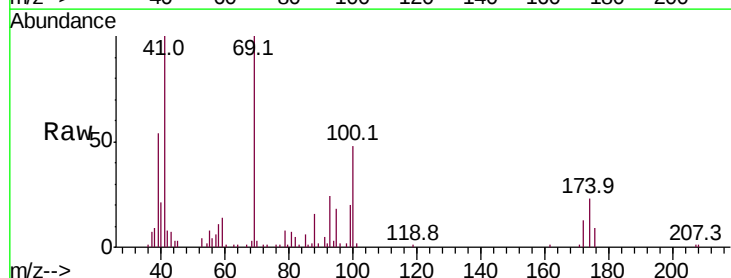
Tgt Ion: 41 Resp: 41382

Ion Ratio Lower Upper

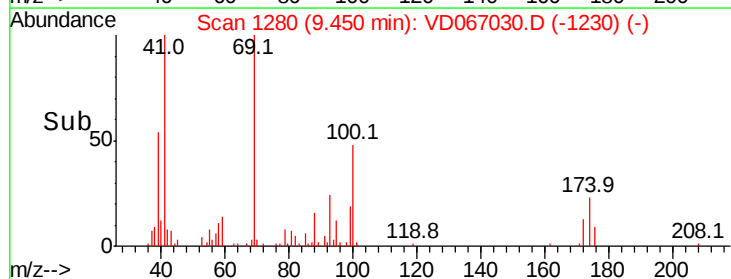
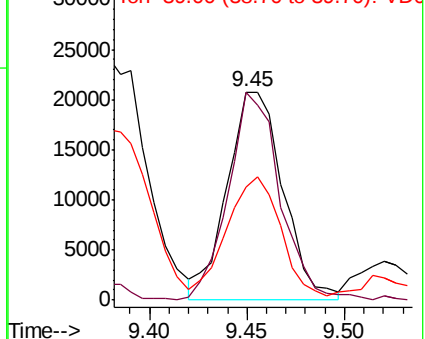
41 100

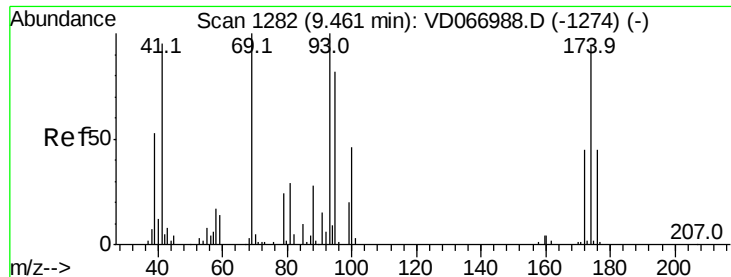
69 92.6 68.5 102.7

39 53.9 40.2 60.2



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

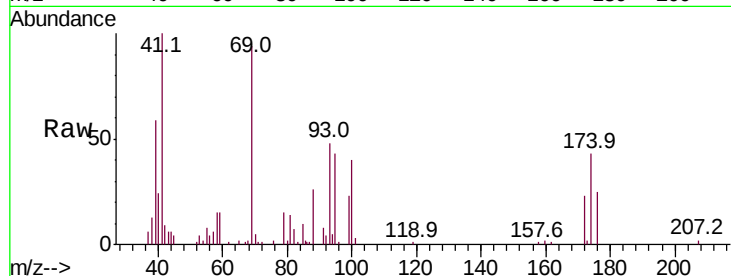




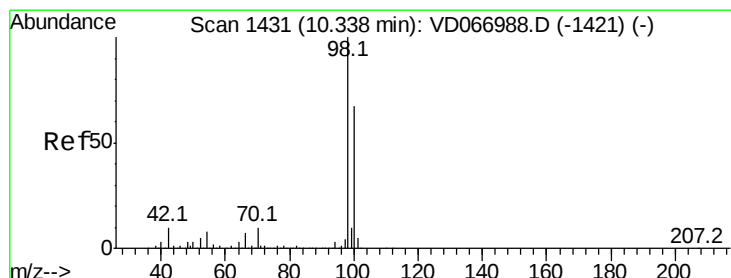
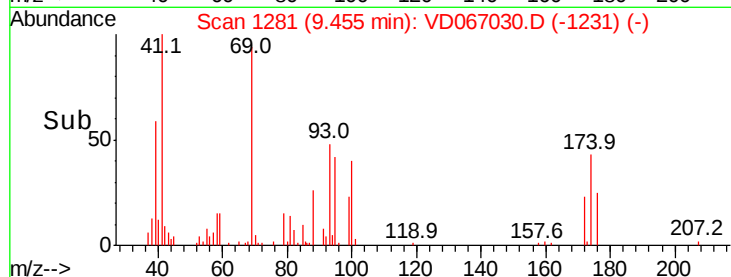
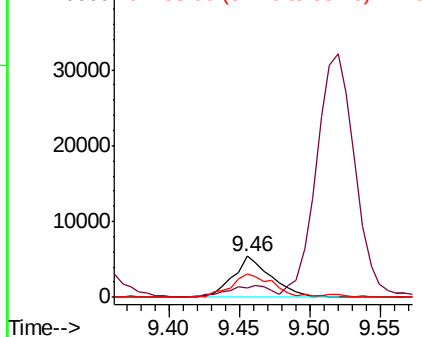
#49
1,4-Dioxane
Concen: 387.146 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion: 88 Resp: 10137
Ion Ratio Lower Upper
88 100
43 32.0 25.6 38.4
58 64.9 53.5 80.3

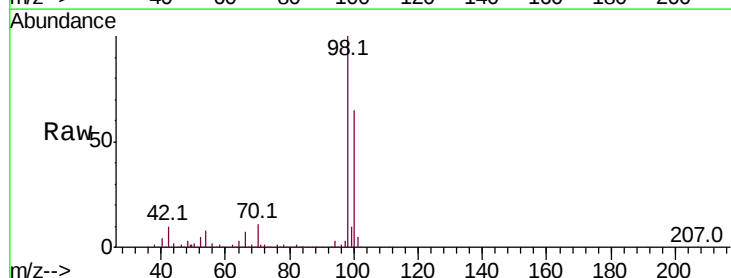


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

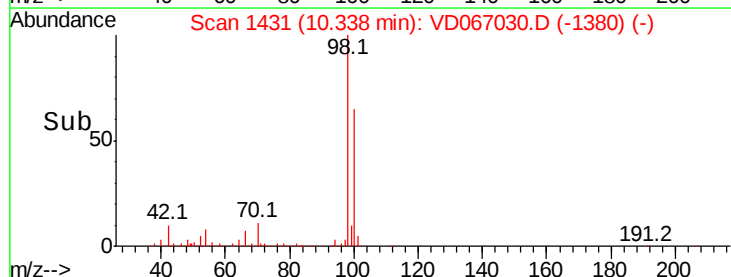
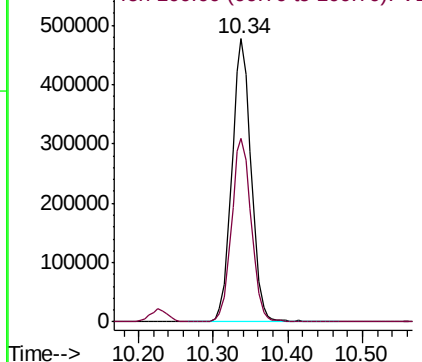


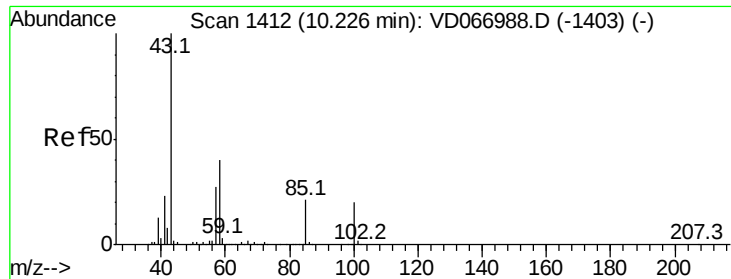
#50
Toluene-d8
Concen: 50.134 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 98 Resp: 858202
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 97.319 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

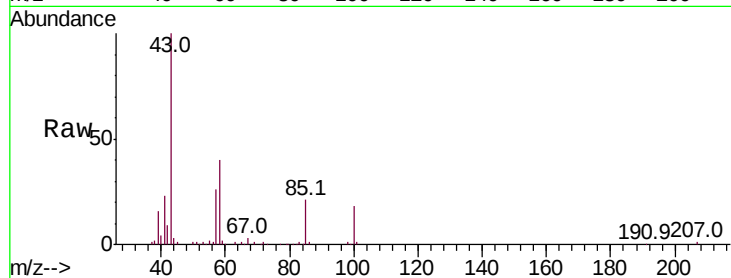
VD1002SBS01

Tot Ion: 43 Resp: 206914

Ion Ratio Lower Upper

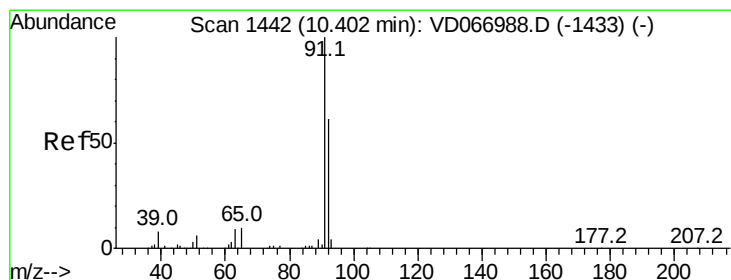
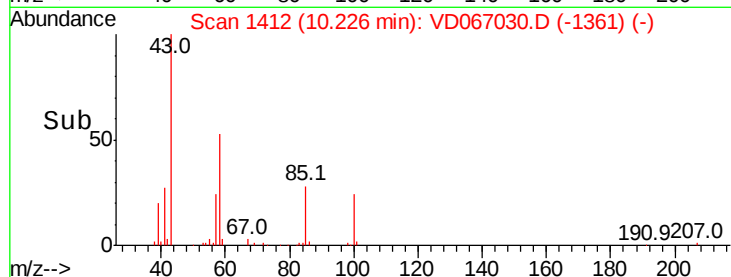
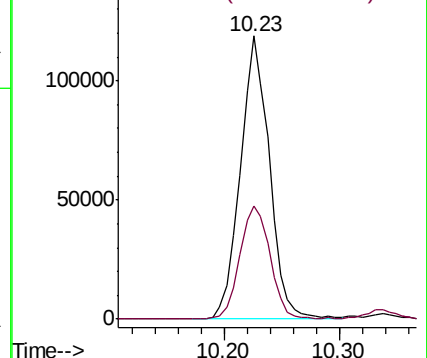
43 100

58 41.6 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.023 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067030.D

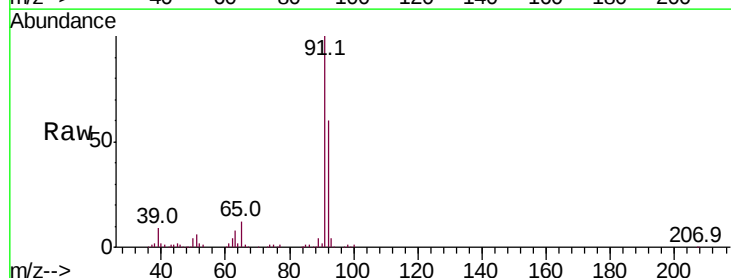
Acq: 02 Oct 2020 12:47

Tgt Ion: 92 Resp: 251591

Ion Ratio Lower Upper

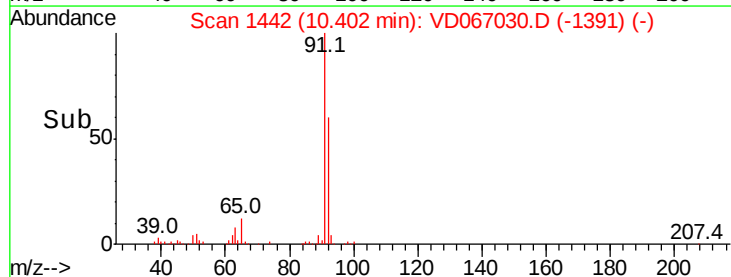
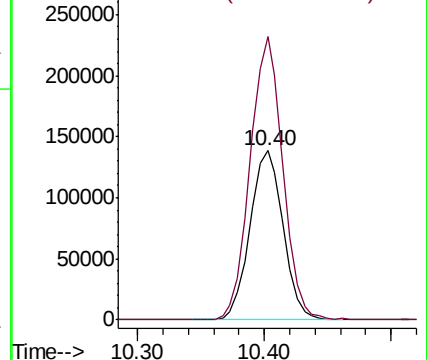
92 100

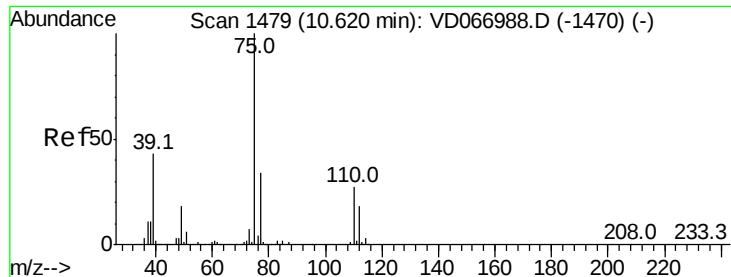
91 164.9 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.705 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

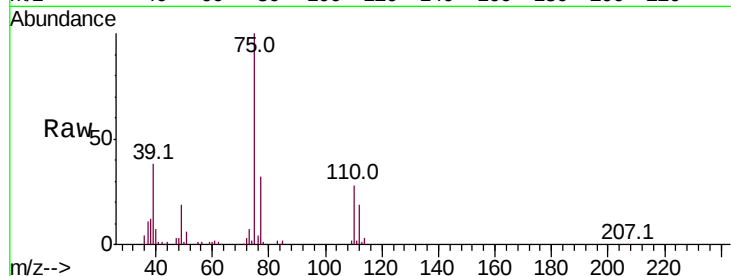
VD1002SBSD01

Tot Ion: 75 Resp: 114849

Ion Ratio Lower Upper

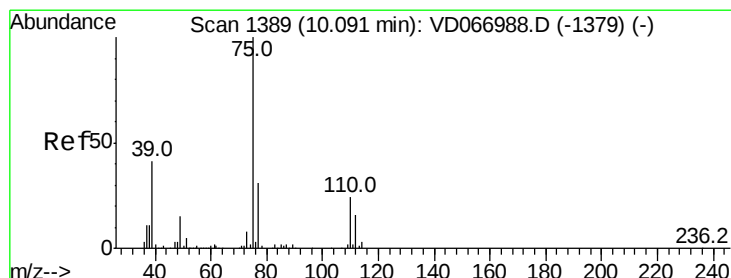
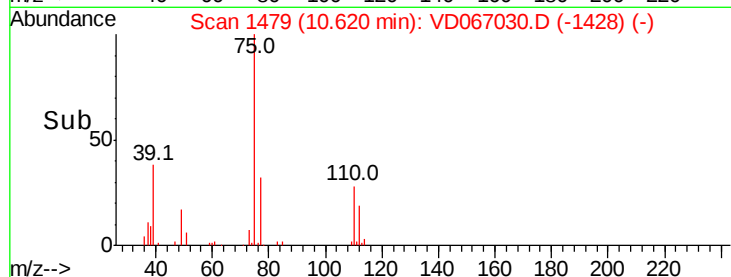
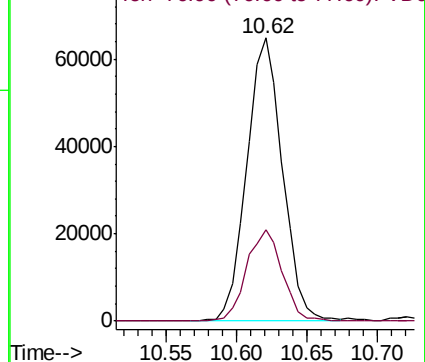
75 100

77 32.3 27.1 40.7



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: 19.692 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

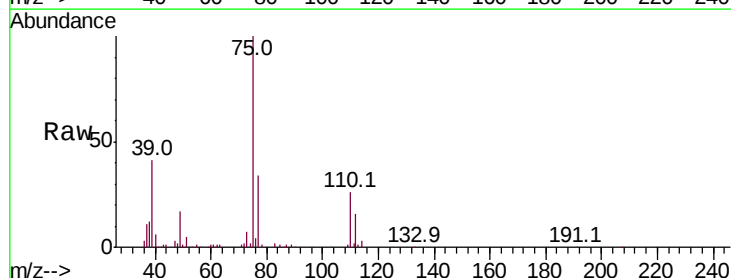
Tgt Ion: 75 Resp: 140150

Ion Ratio Lower Upper

75 100

77 34.0 24.6 37.0

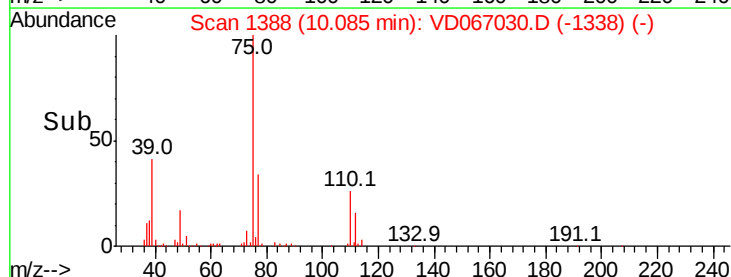
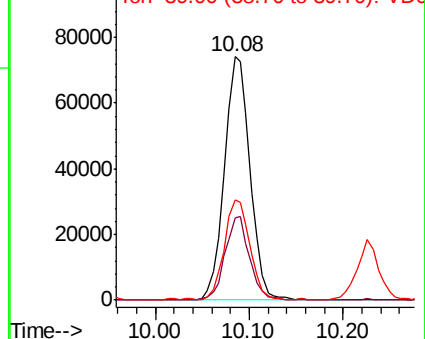
39 40.4 33.0 49.4

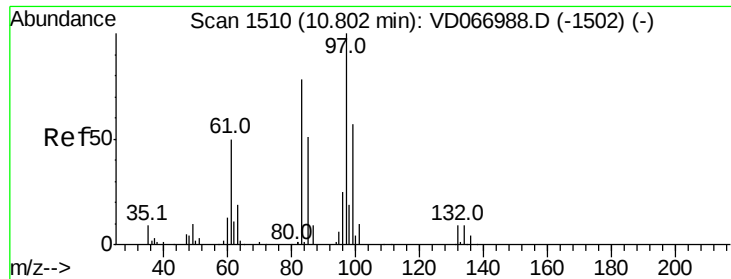


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 20.297 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

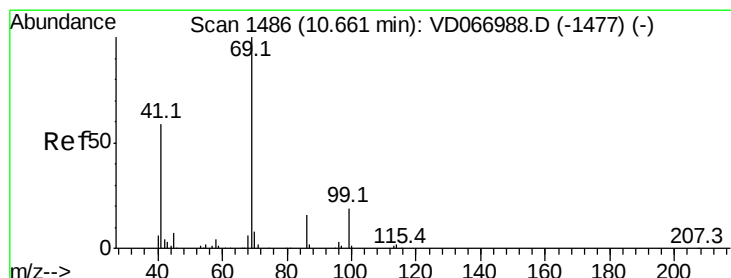
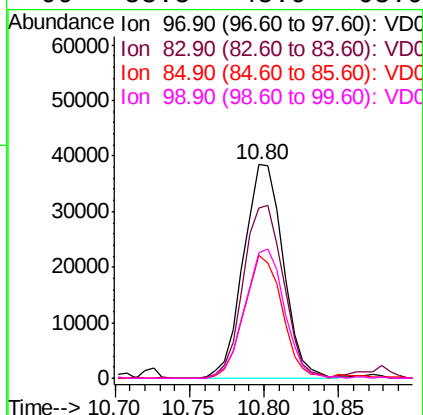
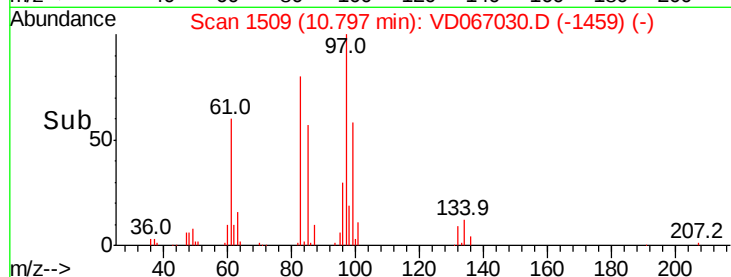
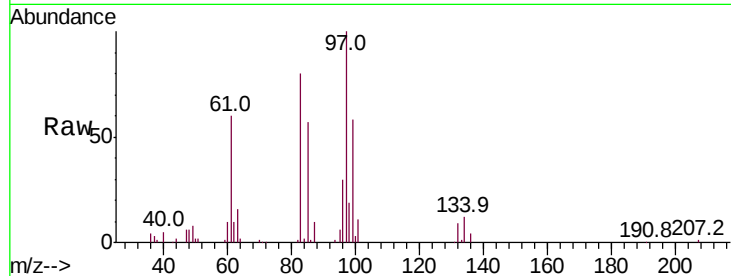
MSVOA_D

ClientSampleId :

VD1002SBSD01

Tot Ion: 97 Resp: 70795

Ion	Ratio	Lower	Upper
97	100		
83	79.6	62.4	93.6
85	57.3	41.0	61.4
99	58.5	45.9	68.9



#56

Ethyl methacrylate

Concen: 19.747 ug/l

RT: 10.66 min Scan# 1486

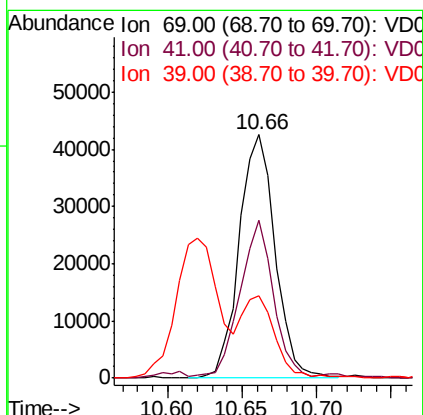
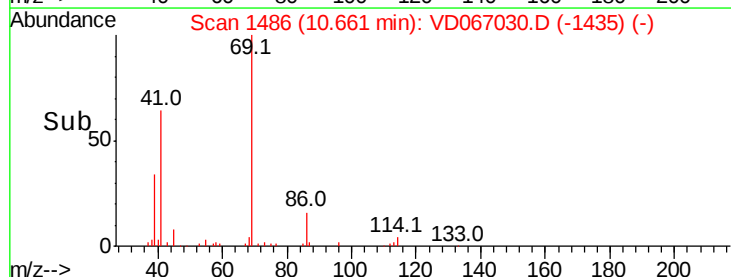
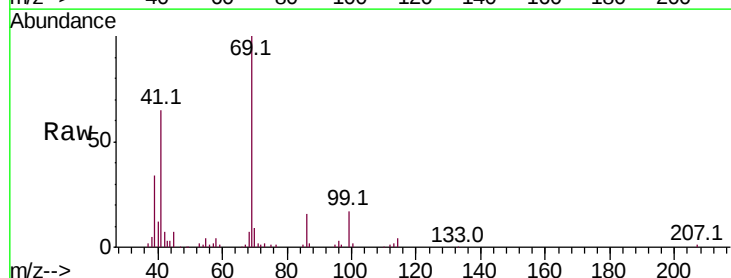
Delta R.T. 0.00 min

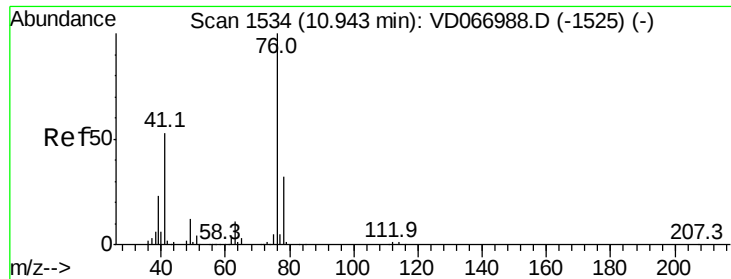
Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Tgt Ion: 69 Resp: 71112

Ion	Ratio	Lower	Upper
69	100		
41	59.1	46.4	69.6
39	31.6	23.8	35.6

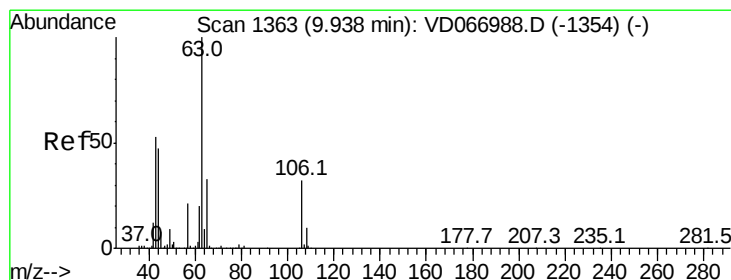
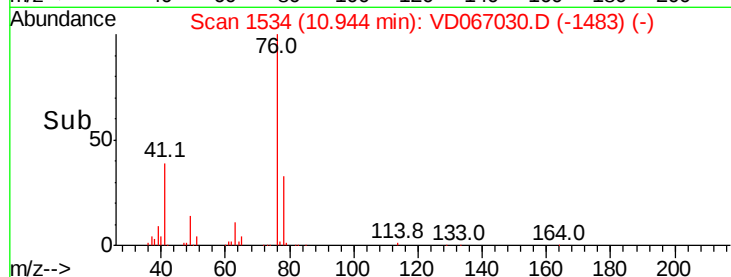
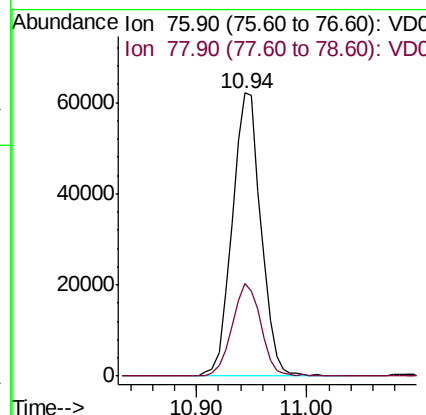
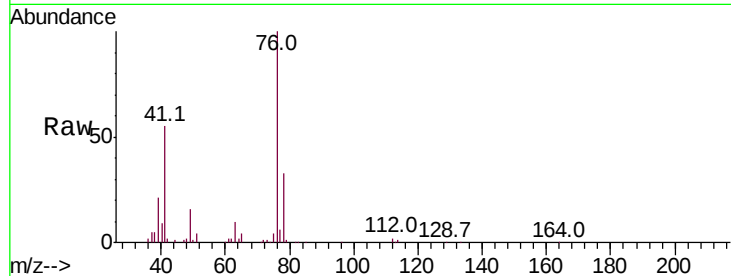




#57
 1,3-Dichloropropane
 Concen: 20.062 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

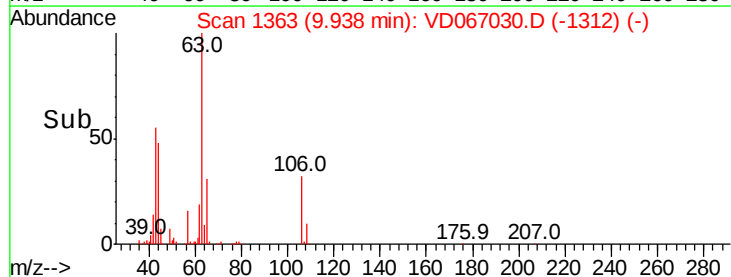
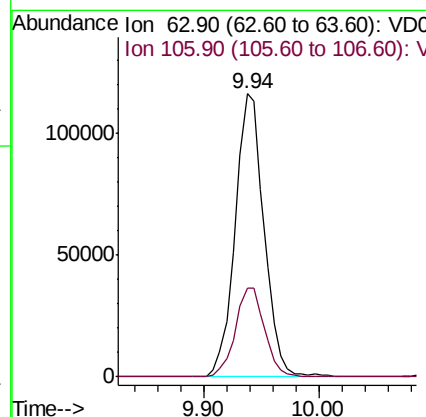
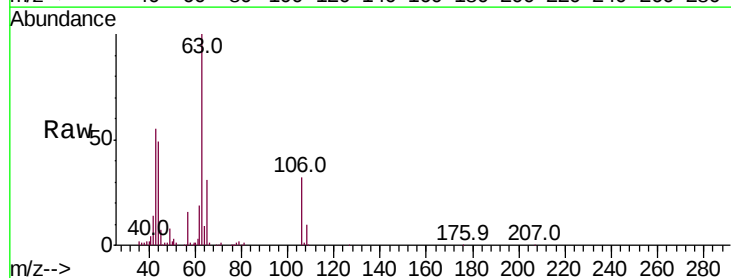
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD01

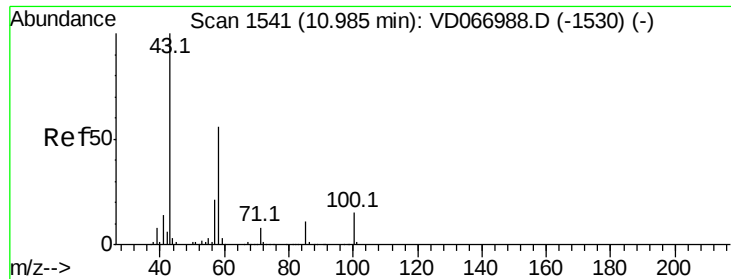
Tot Ion: 76 Resp: 113473
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.451 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion: 63 Resp: 201337
 Ion Ratio Lower Upper
 63 100
 106 31.9 25.3 37.9

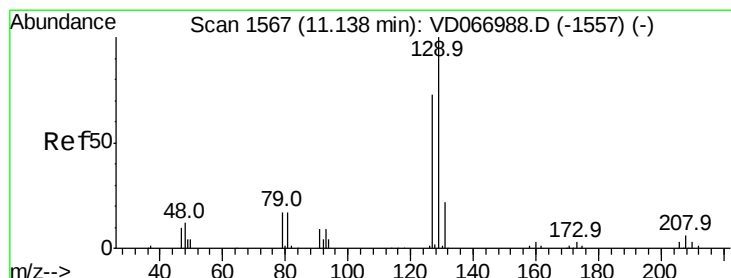
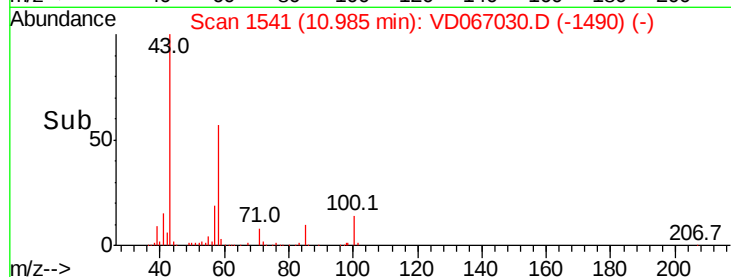
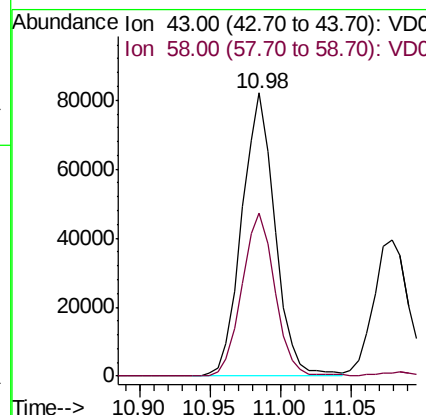
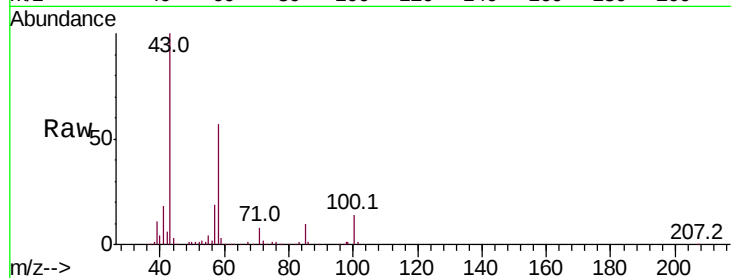




#59
2-Hexanone
Concen: 95.204 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

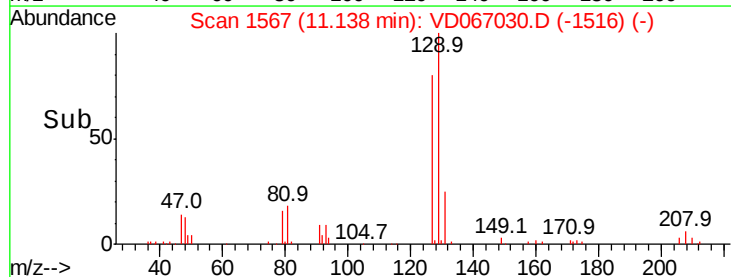
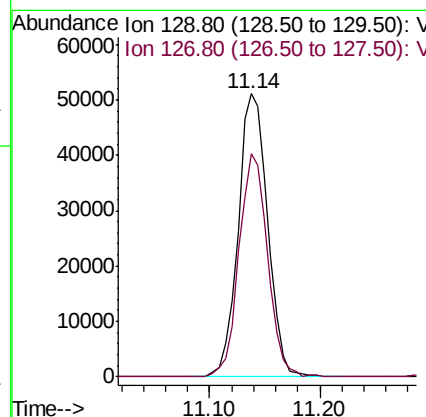
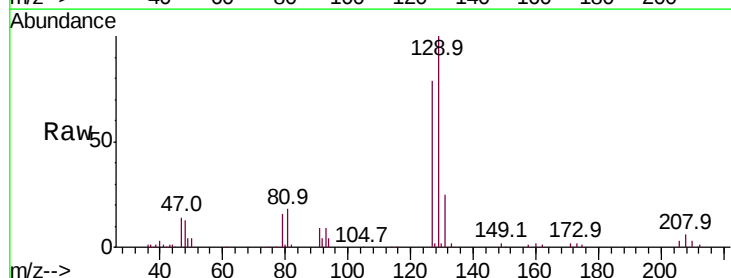
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

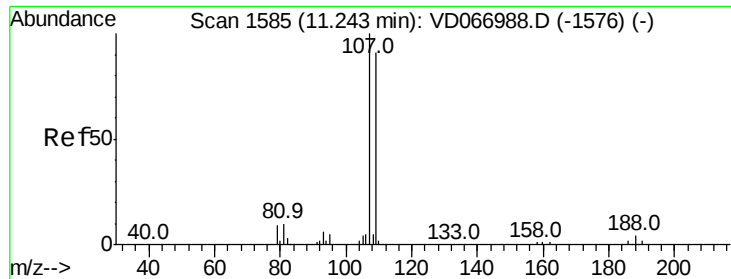
Tot Ion: 43 Resp: 135102
Ion Ratio Lower Upper
43 100
58 56.9 28.3 84.9



#60
Dibromochloromethane
Concen: 20.603 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 129 Resp: 95783
Ion Ratio Lower Upper
129 100
127 76.5 37.4 112.1

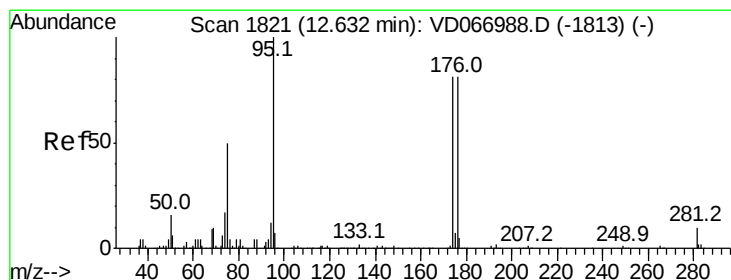
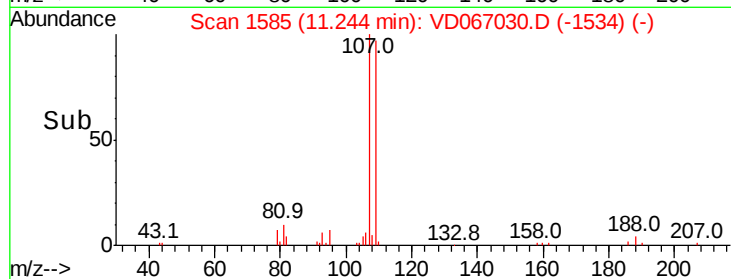
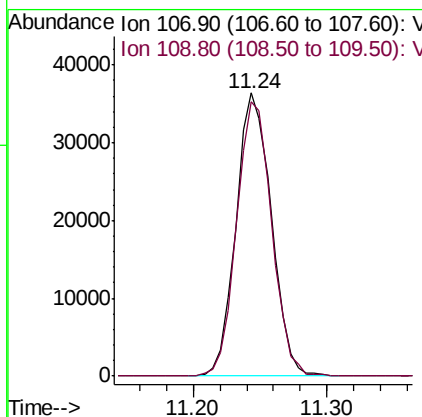
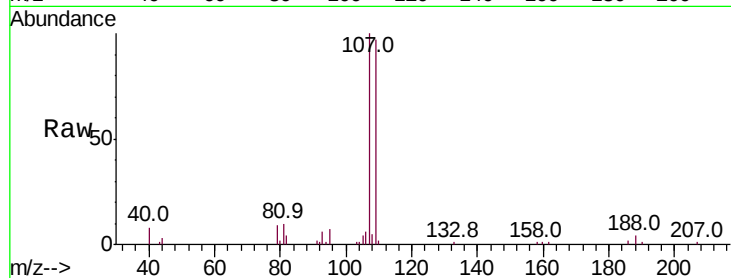




#61
 1,2-Dibromoethane
 Concen: 19.848 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

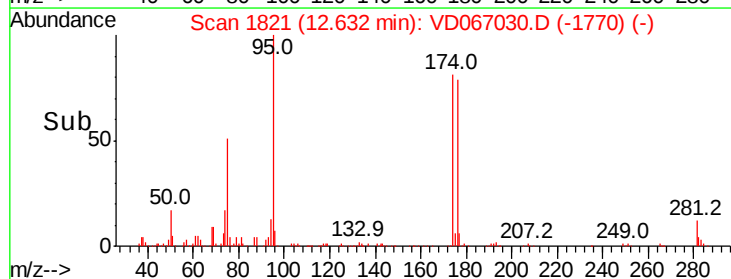
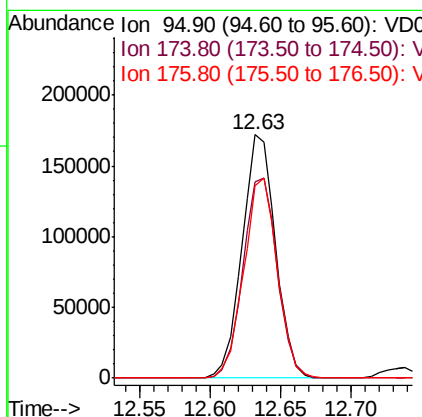
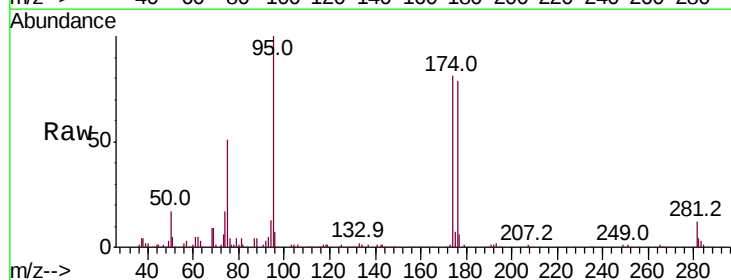
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD01

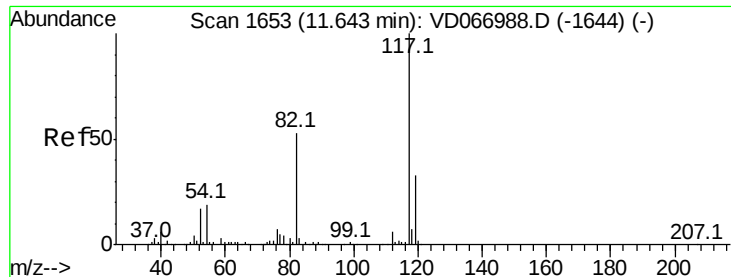
Tot Ion:107 Resp: 66510
 Ion Ratio Lower Upper
 107 100
 109 96.5 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 49.127 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion: 95 Resp: 285482
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 167.6
 176 82.4 0.0 162.4

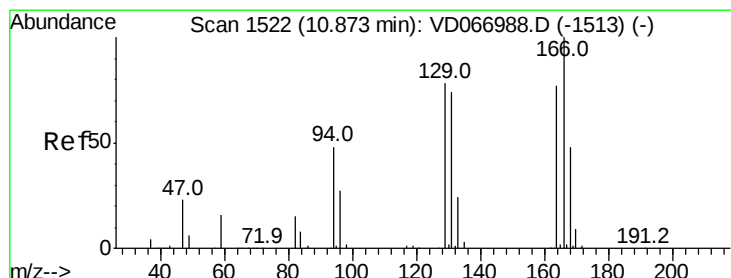
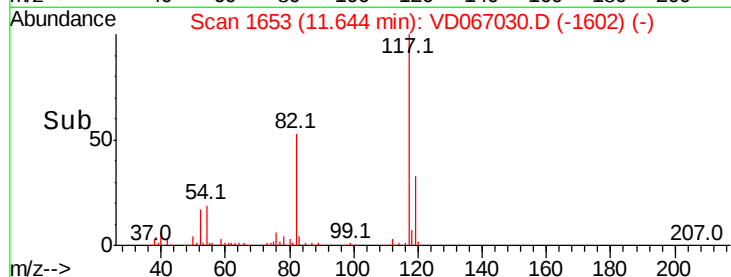
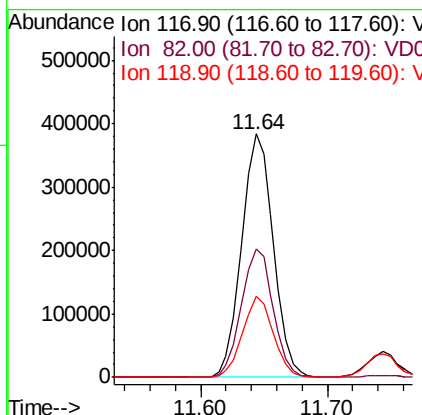
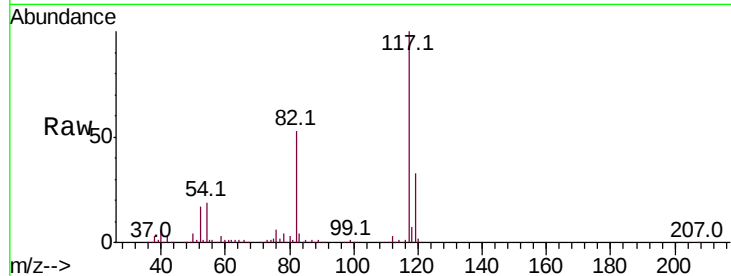




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

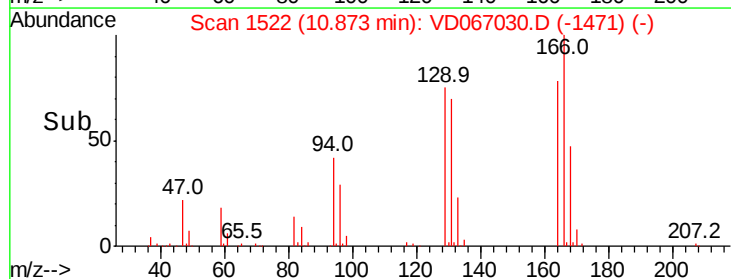
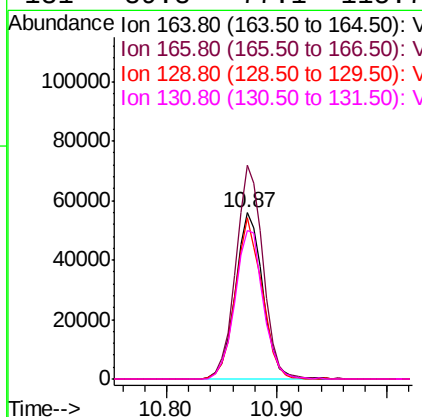
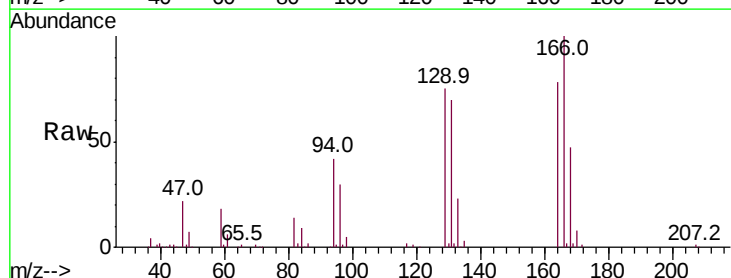
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

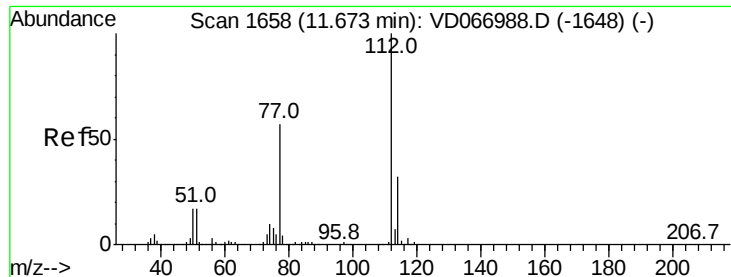
Tot Ion:117 Resp: 667041
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 33.4 26.3 39.5



#64
Tetrachloroethene
Concen: 20.205 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion:164 Resp: 97980
Ion Ratio Lower Upper
164 100
166 128.8 104.4 156.6
129 97.2 81.3 121.9
131 89.8 77.1 115.7

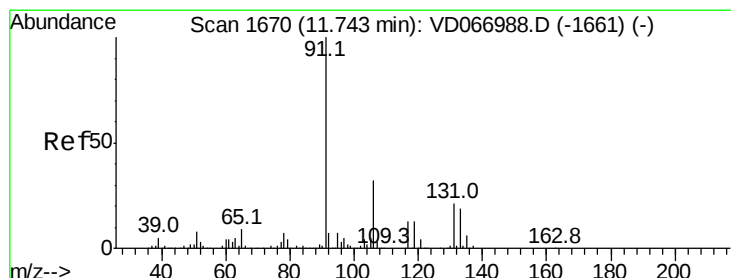
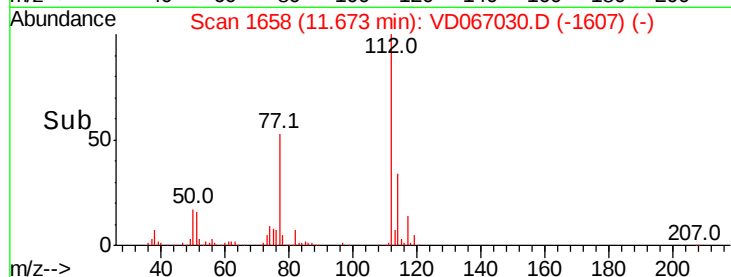
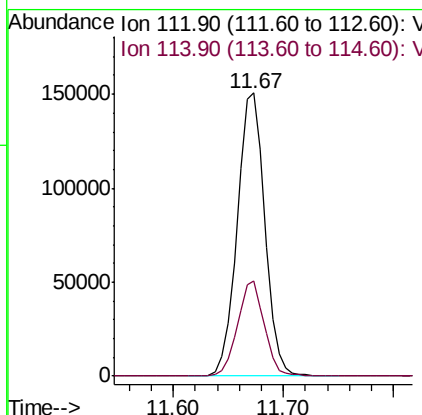
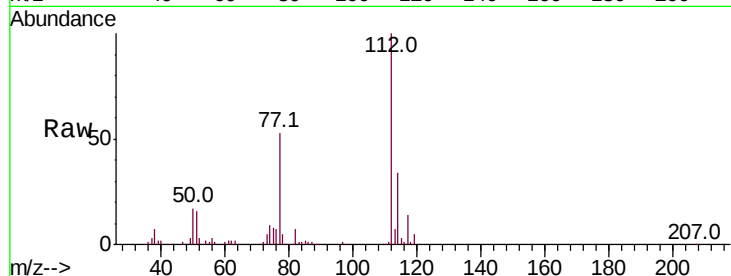




#65
Chlorobenzene
Concen: 19.976 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

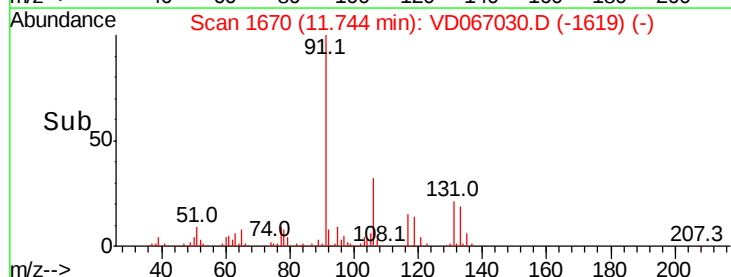
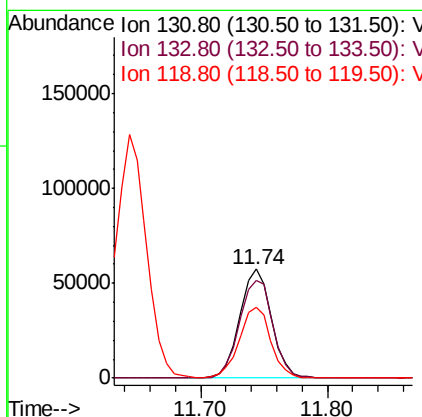
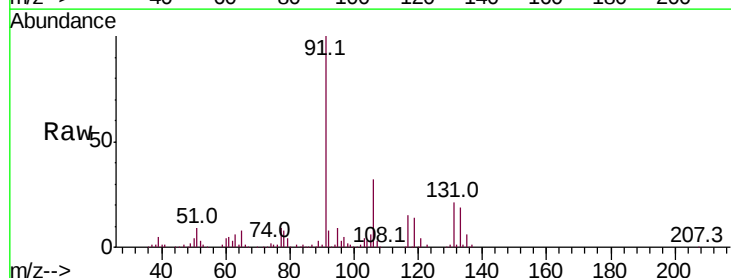
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

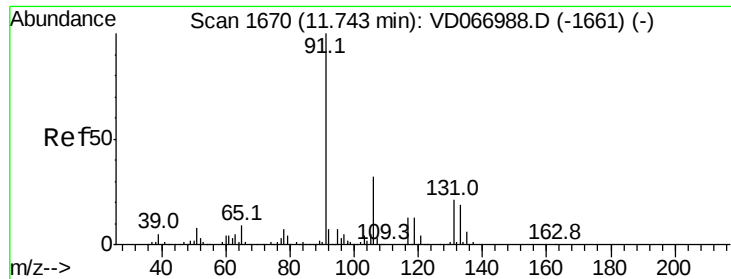
Tot Ion:112 Resp: 265012
Ion Ratio Lower Upper
112 100
114 33.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.810 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion:131 Resp: 99972
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.3
119 64.6 32.3 96.8





#67

Ethyl Benzene

Concen: 19.935 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

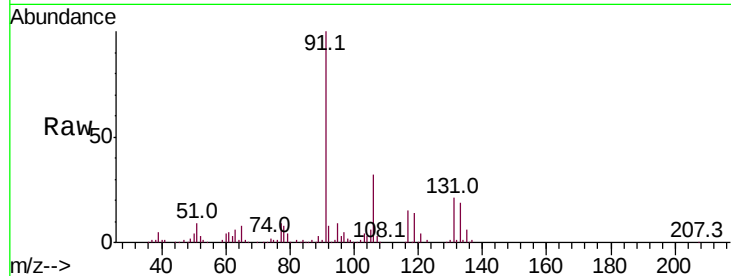
VD1002SBS01

Tot Ion: 91 Resp: 453141

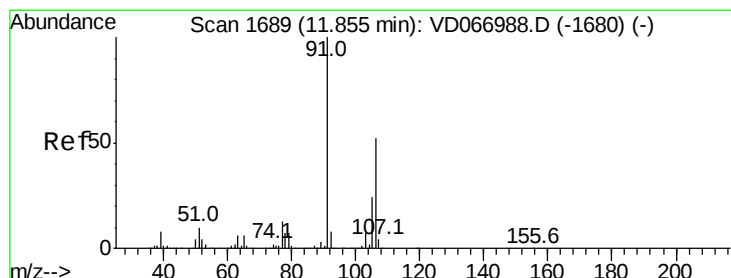
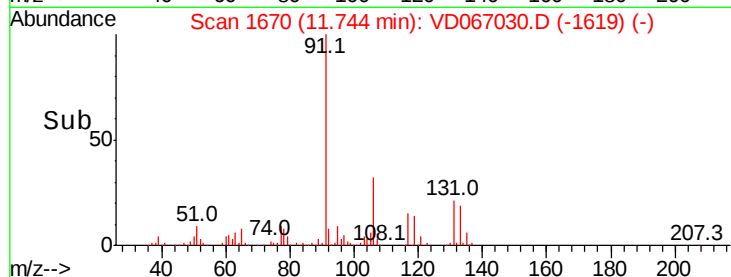
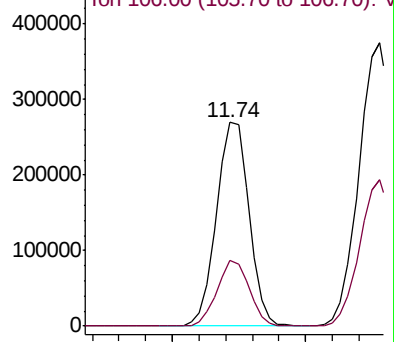
Ion Ratio Lower Upper

91 100

106 32.3 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1661) (-)



#68

m/p-Xylenes

Concen: 40.996 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067030.D

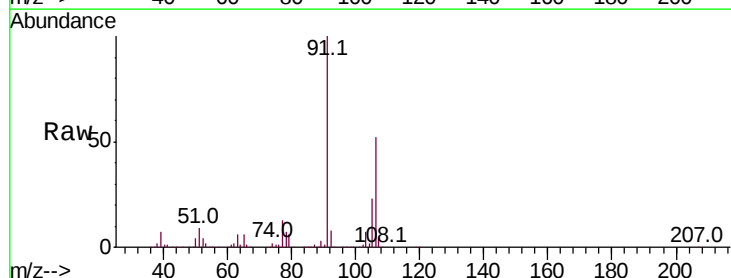
Acq: 02 Oct 2020 12:47

Tgt Ion: 106 Resp: 363169

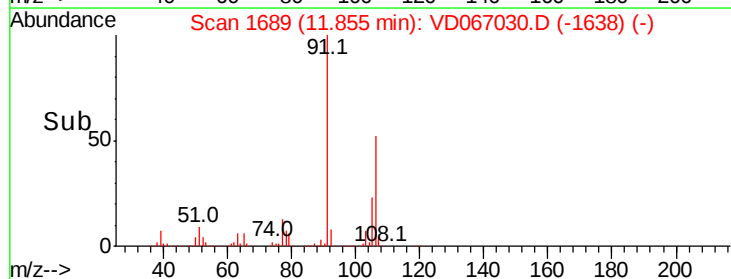
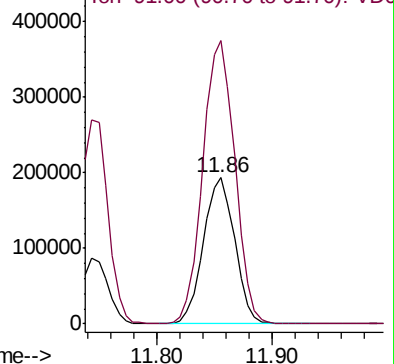
Ion Ratio Lower Upper

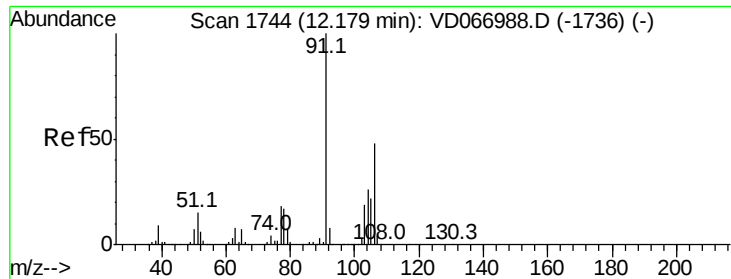
106 100

91 198.4 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): VD066988.D (-1680) (-)

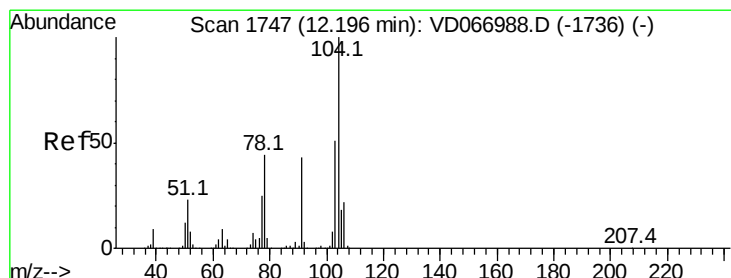
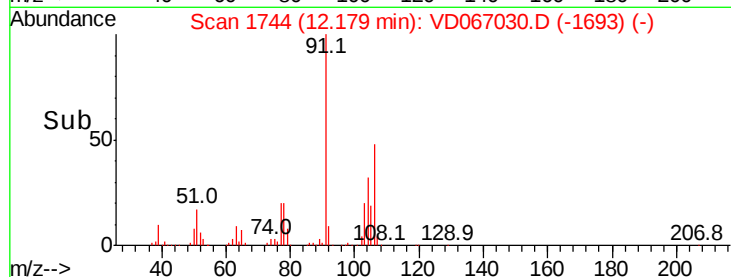
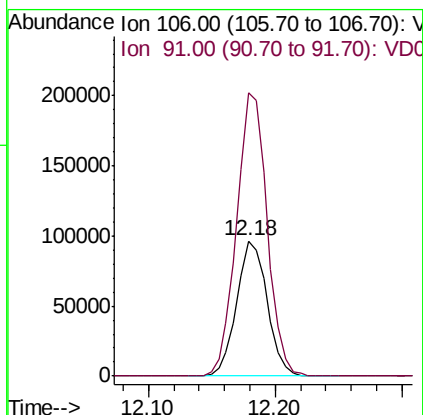
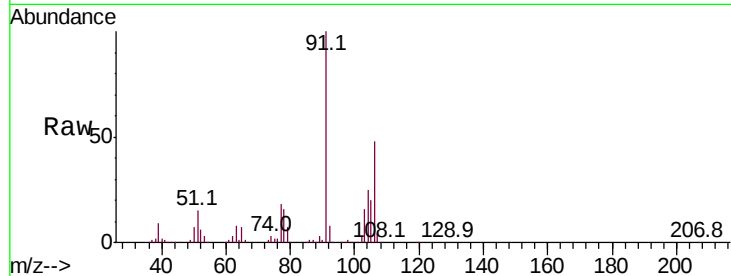




#69
o-Xylene
Concen: 20.216 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

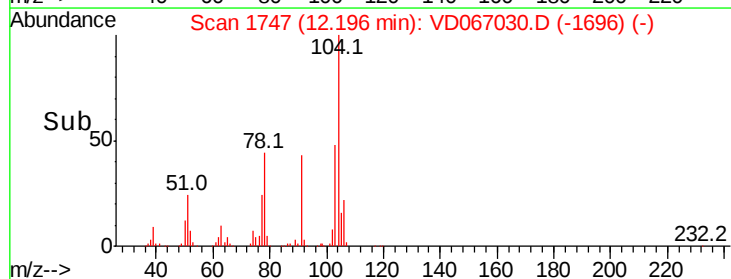
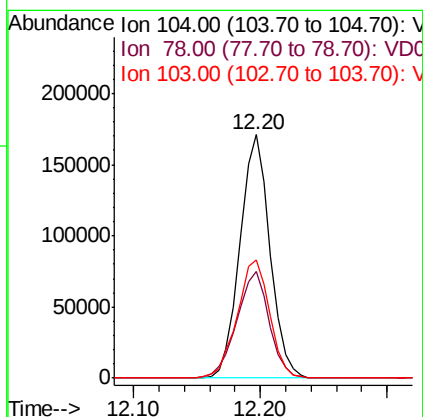
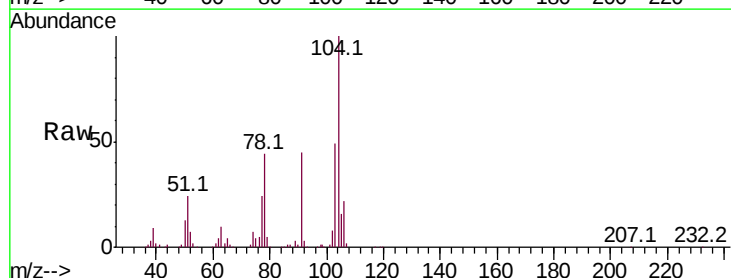
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

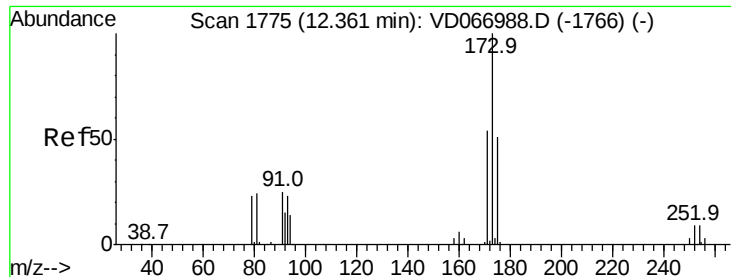
Tot Ion:106 Resp: 160150
Ion Ratio Lower Upper
106 100
91 211.1 102.4 307.2



#70
Styrene
Concen: 20.617 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion:104 Resp: 280453
Ion Ratio Lower Upper
104 100
78 47.3 38.6 58.0
103 52.9 43.4 65.0





#71

Bromoform

Concen: 19.723 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

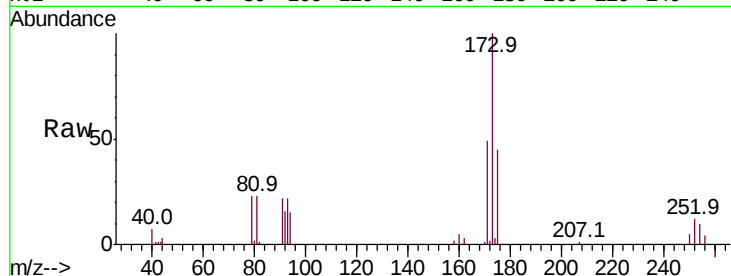
Tot Ion:173 Resp: 51666

Ion Ratio Lower Upper

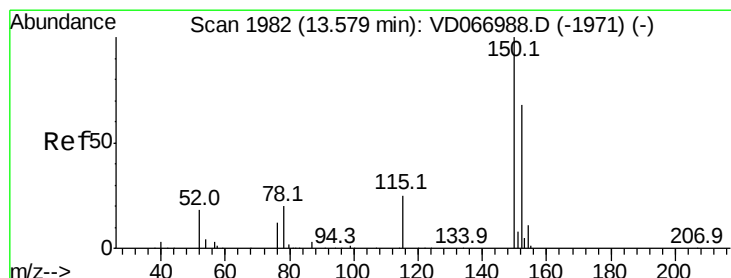
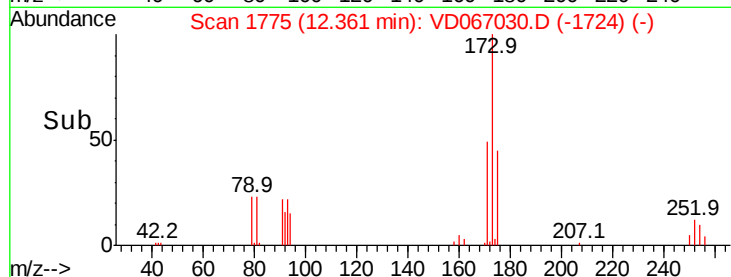
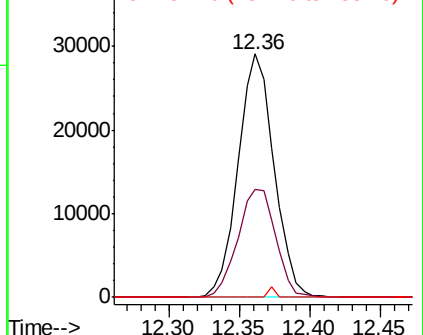
173 100

175 47.0 24.9 74.7

254 0.9 0.2 0.4#



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: VD067030.D

Acq: 02 Oct 2020 12:47

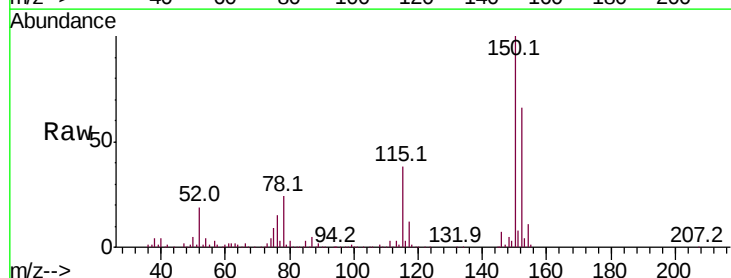
Tgt Ion:152 Resp: 326977

Ion Ratio Lower Upper

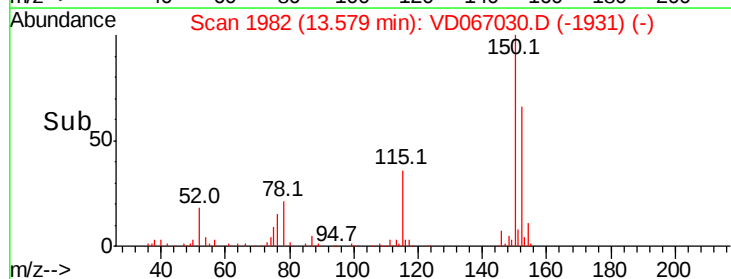
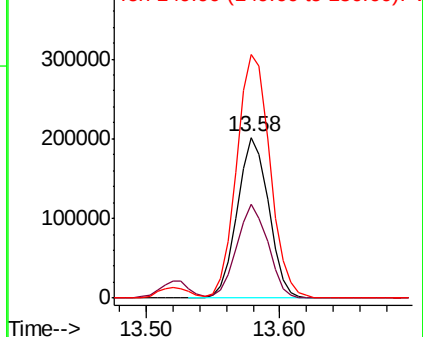
152 100

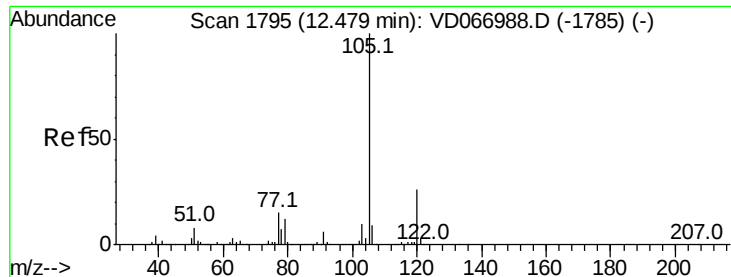
115 58.5 29.6 88.8

150 161.8 0.0 344.8



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





#73

Isopropylbenzene

Concen: 20.044 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

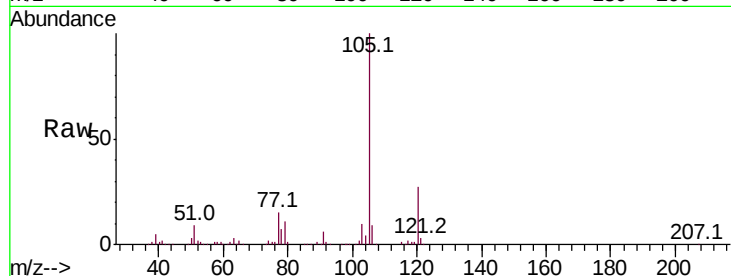
VD1002SBS01

Tot Ion:105 Resp: 445018

Ion Ratio Lower Upper

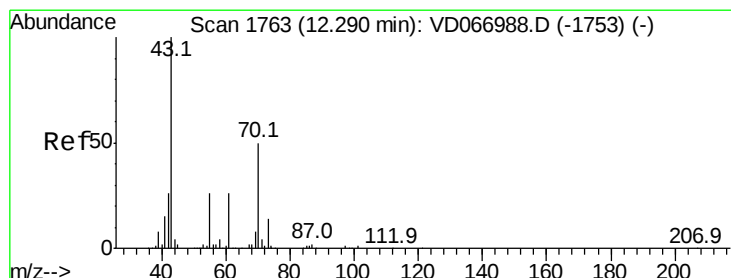
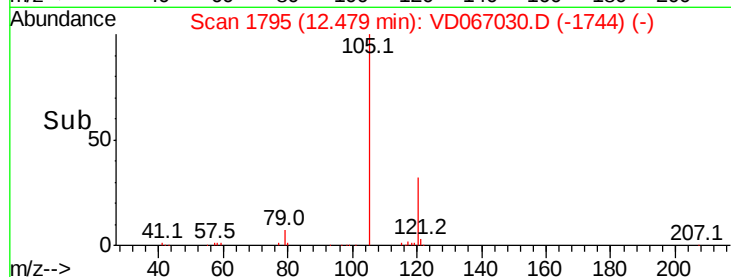
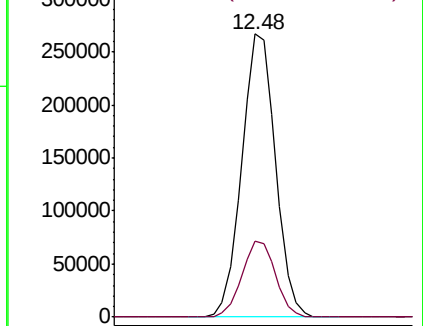
105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.612 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Tgt Ion: 43 Resp: 74286

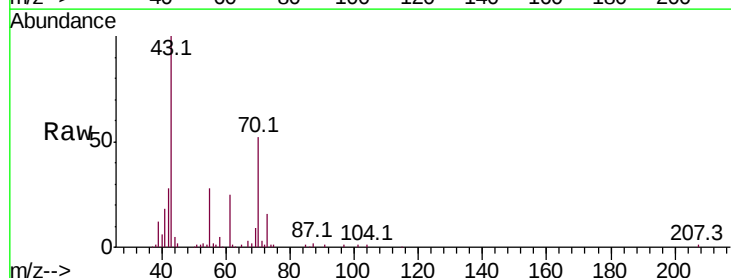
Ion Ratio Lower Upper

43 100

70 49.5 38.2 57.2

55 29.2 22.4 33.6

61 25.9 20.6 31.0

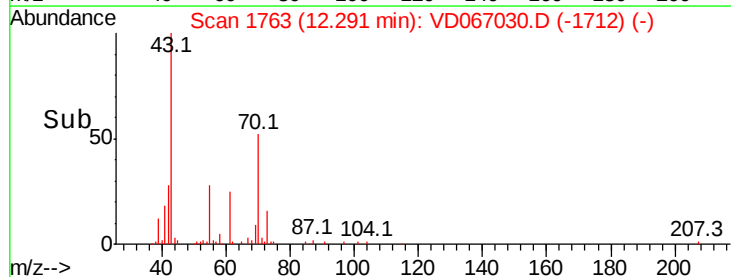
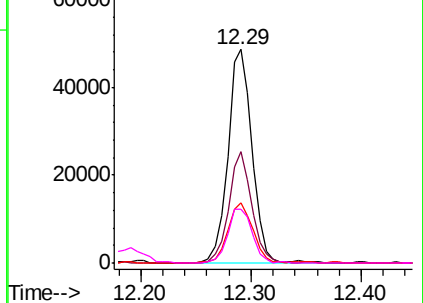


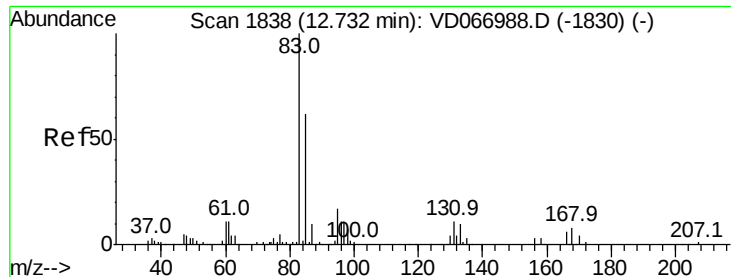
Abundance Ion 43.00 (42.70 to 43.70): V

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: 19.325 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

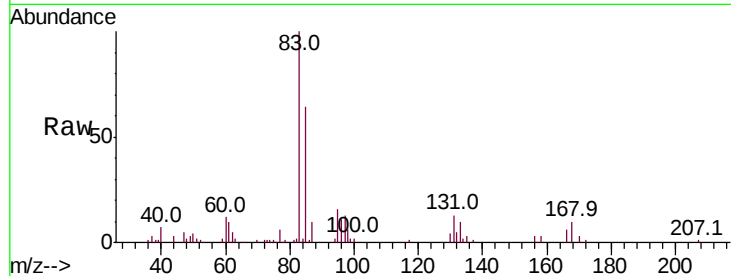
Tot Ion: 83 Resp: 72289

Ion Ratio Lower Upper

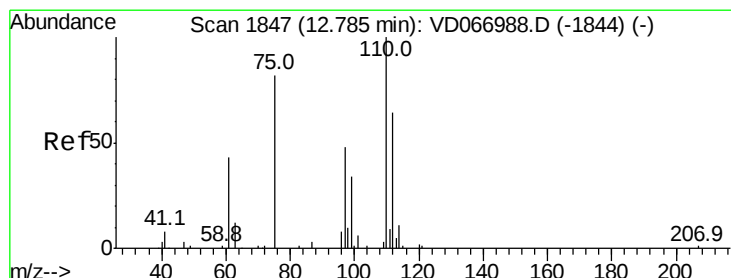
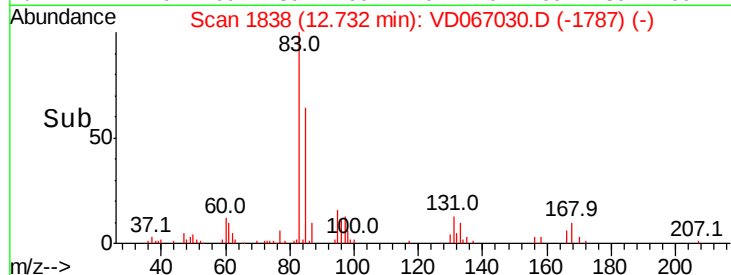
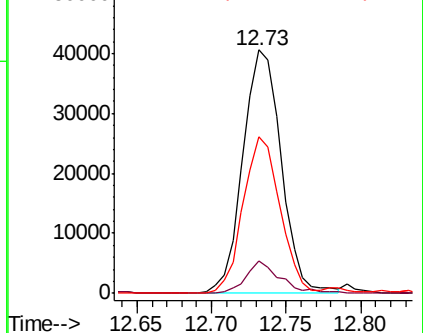
83 100

131 11.5 5.7 17.0

85 62.0 32.0 96.2



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: 31.640 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067030.D

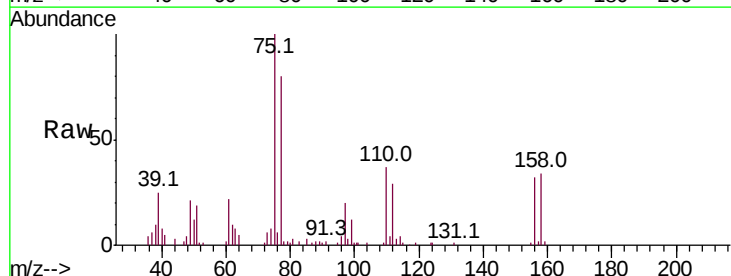
Acq: 02 Oct 2020 12:47

Tgt Ion: 75 Resp: 90113

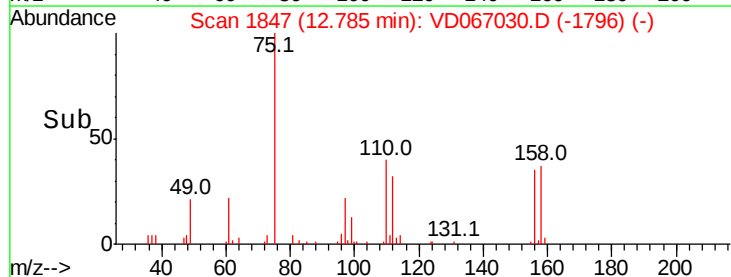
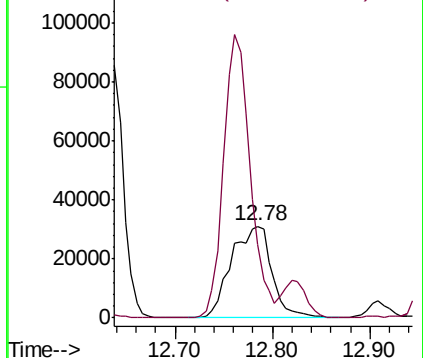
Ion Ratio Lower Upper

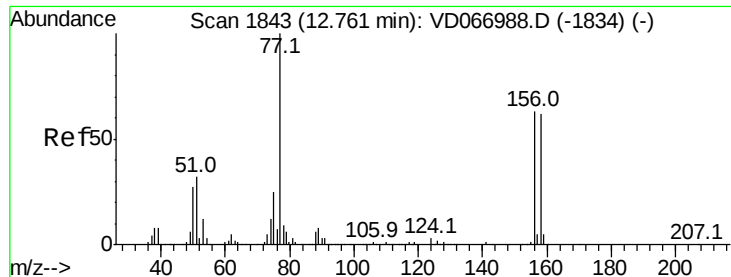
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.810 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

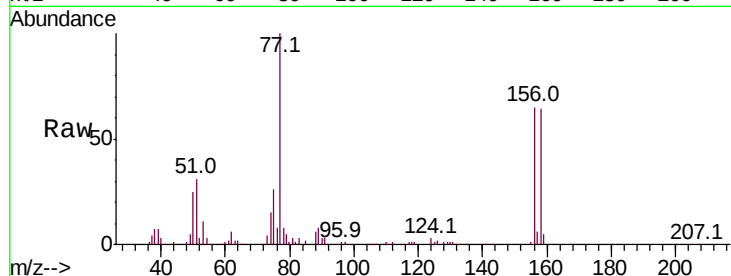
Tot Ion:156 Resp: 106202

Ion Ratio Lower Upper

156 100

77 171.7 86.3 258.8

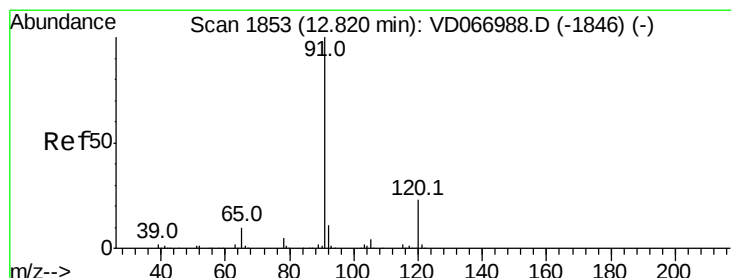
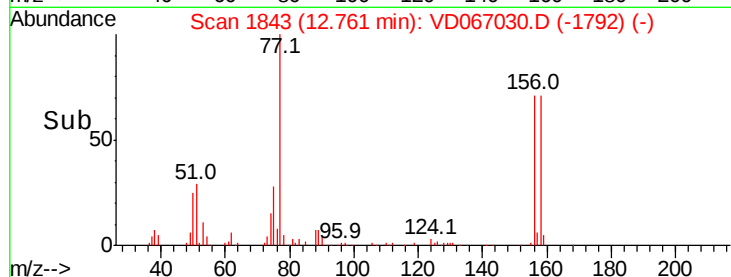
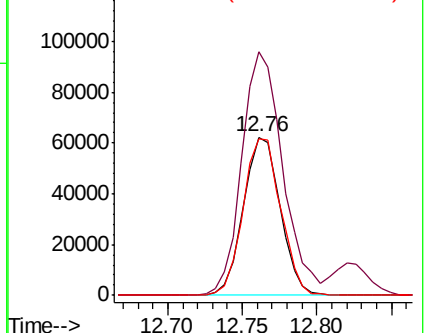
158 101.2 49.5 148.3



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: 20.293 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067030.D

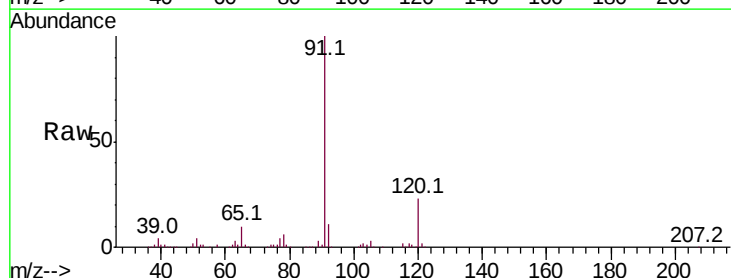
Acq: 02 Oct 2020 12:47

Tgt Ion: 91 Resp: 532465

Ion Ratio Lower Upper

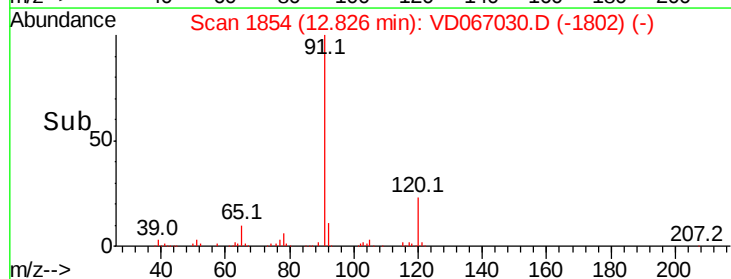
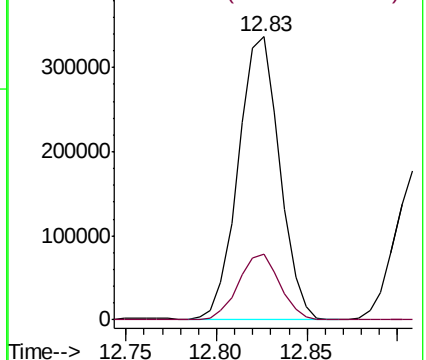
91 100

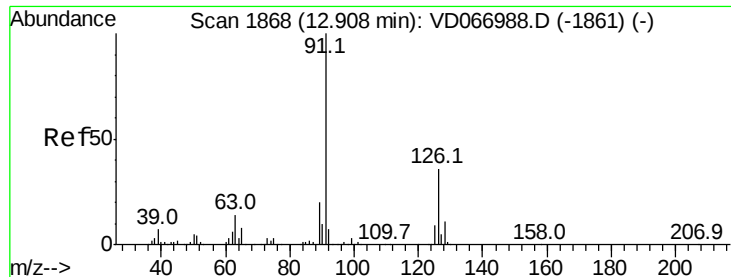
120 23.4 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.715 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

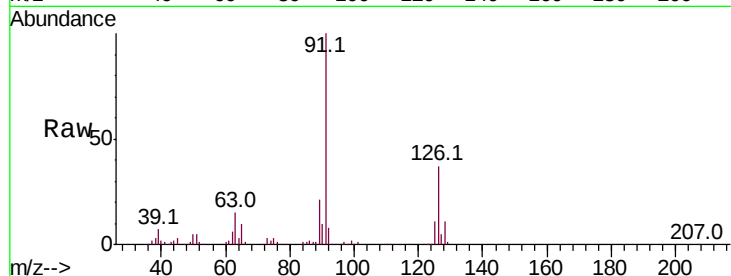
VD1002SBSD01

Tot Ion: 91 Resp: 295969

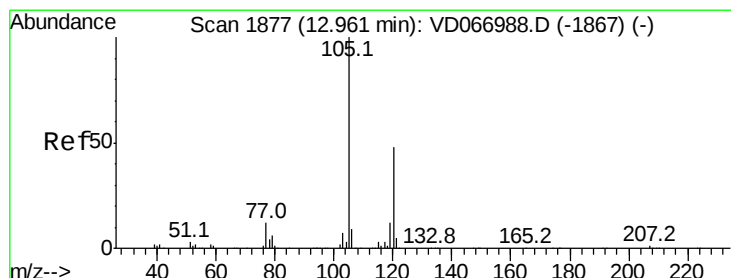
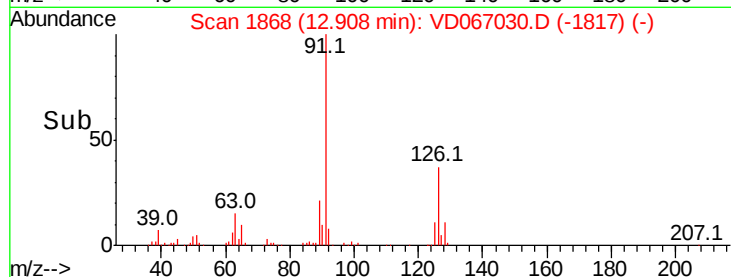
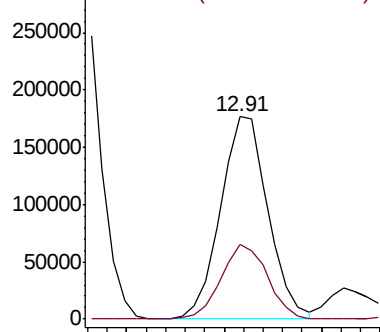
Ion Ratio Lower Upper

91 100

126 36.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.147 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067030.D

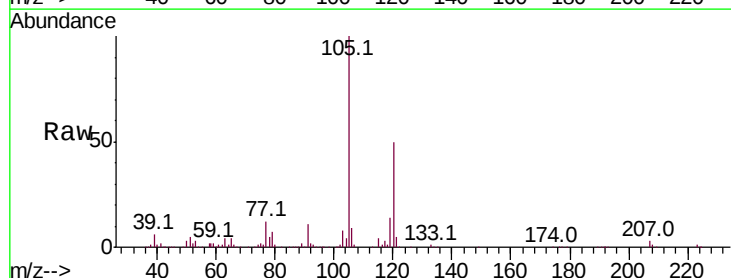
Acq: 02 Oct 2020 12:47

Tgt Ion:105 Resp: 377930

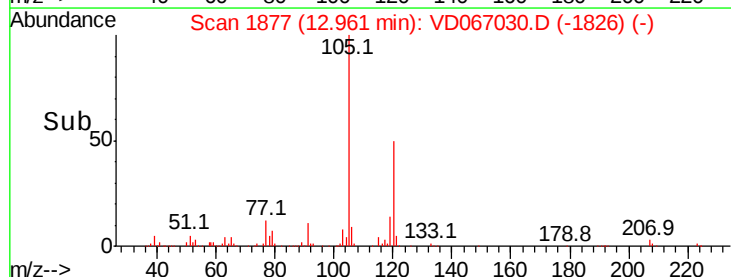
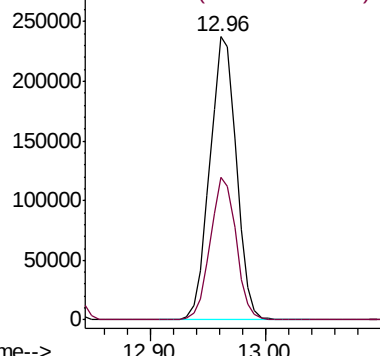
Ion Ratio Lower Upper

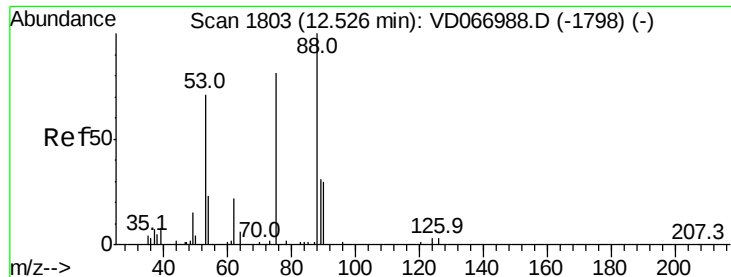
105 100

120 48.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.434 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

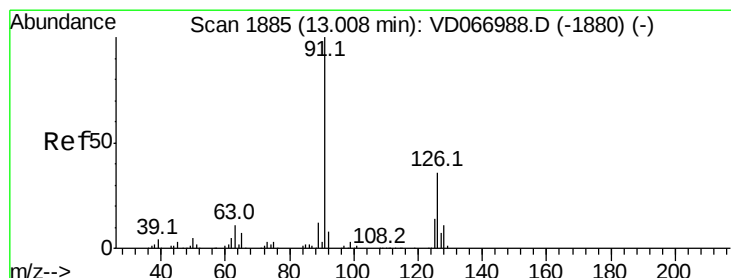
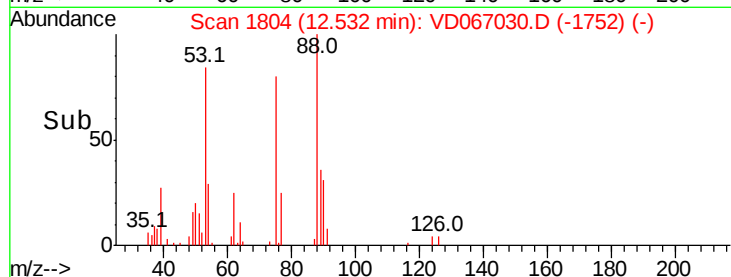
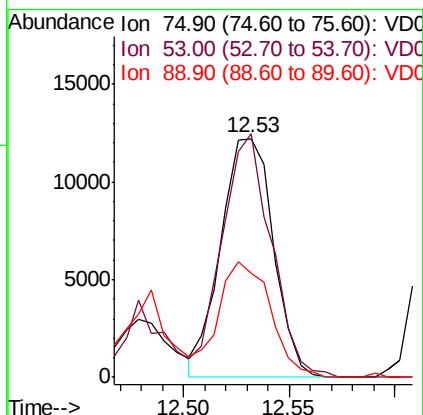
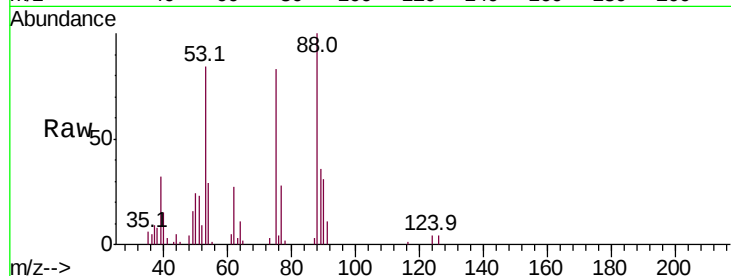
Tot Ion: 75 Resp: 21059

Ion Ratio Lower Upper

75 100

53 95.6 73.8 110.6

89 48.4 38.9 58.3



#82

4-Chlorotoluene

Concen: 19.899 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067030.D

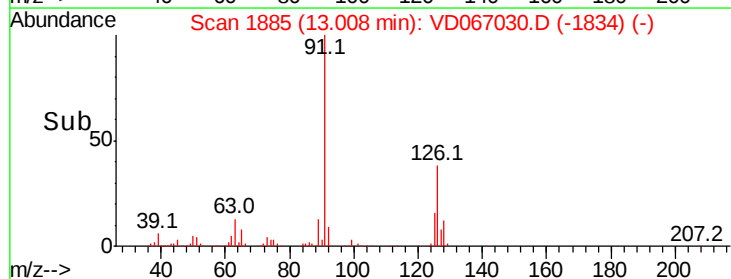
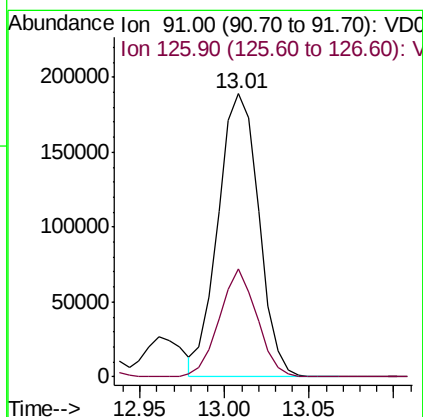
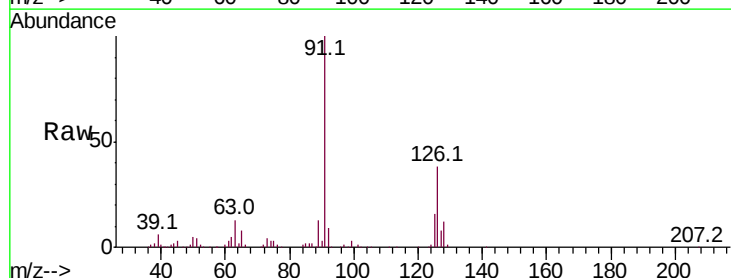
Acq: 02 Oct 2020 12:47

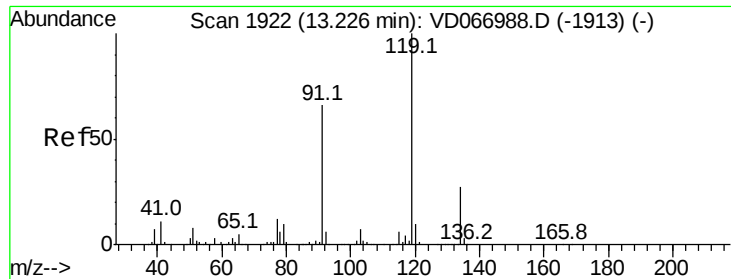
Tgt Ion: 91 Resp: 317834

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5

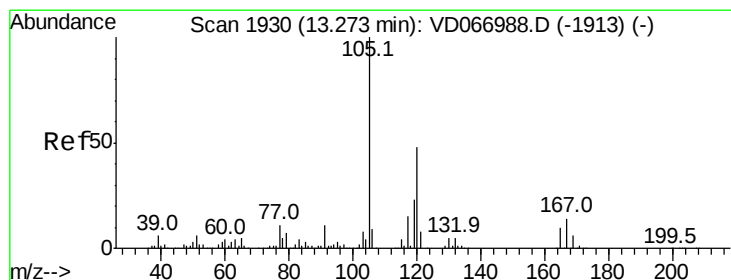
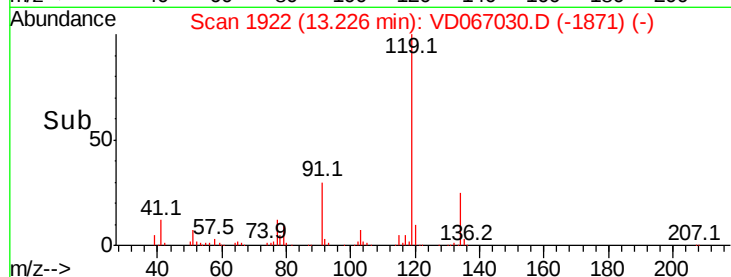
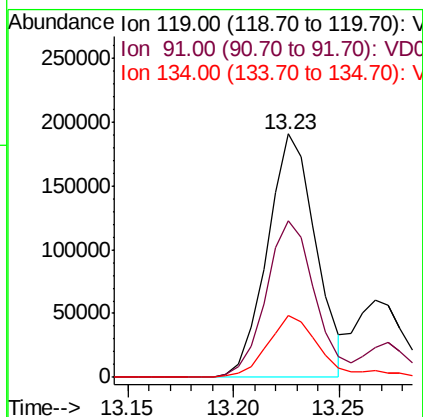
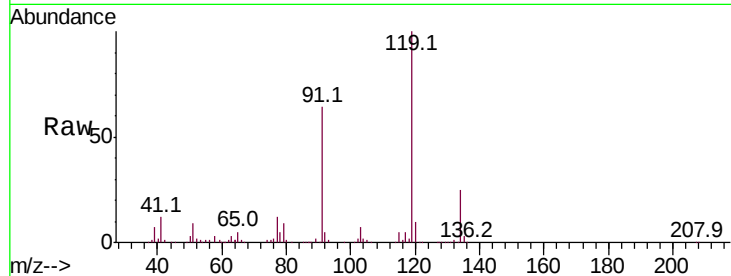




#83
tert-Butylbenzene
Concen: 19.277 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

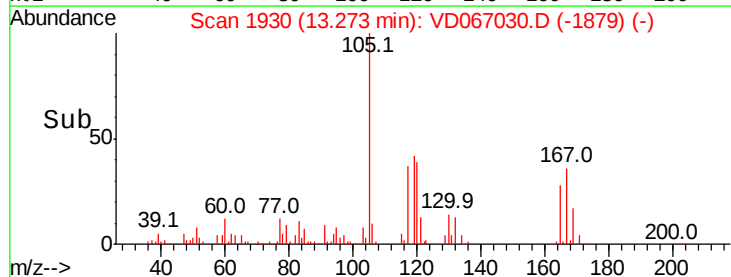
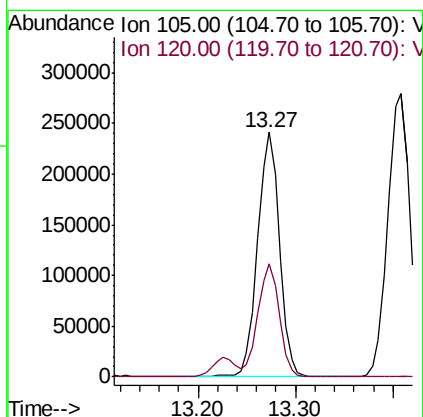
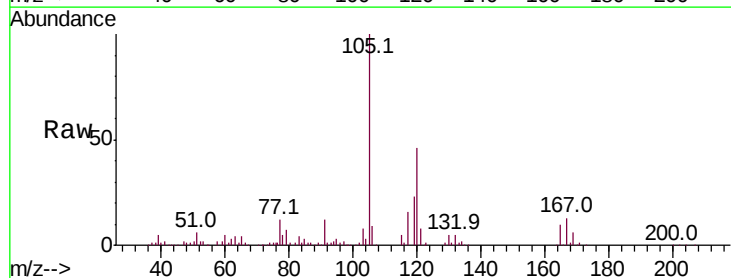
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

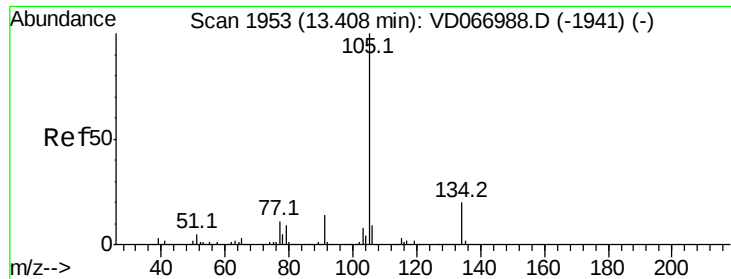
Tot Ion:119 Resp: 304502
Ion Ratio Lower Upper
119 100
91 65.3 32.8 98.3
134 28.0 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 20.259 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion:105 Resp: 379252
Ion Ratio Lower Upper
105 100
120 45.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 20.033 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

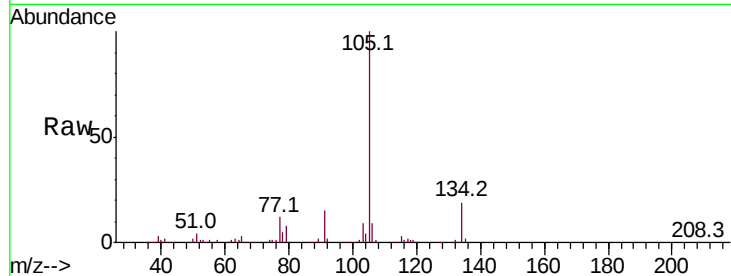
VD1002SBSD01

Tot Ion:105 Resp: 445643

Ion Ratio Lower Upper

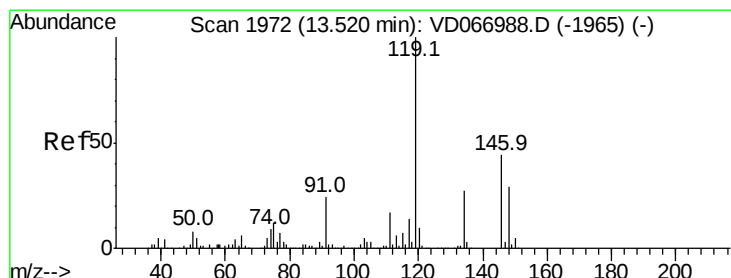
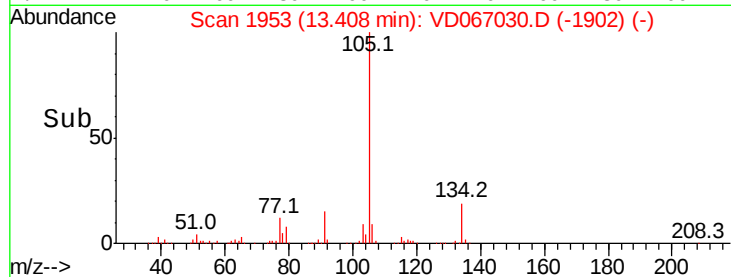
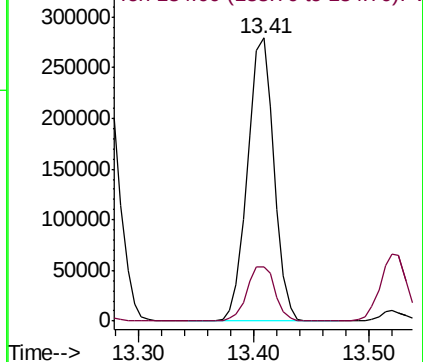
105 100

134 20.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.969 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

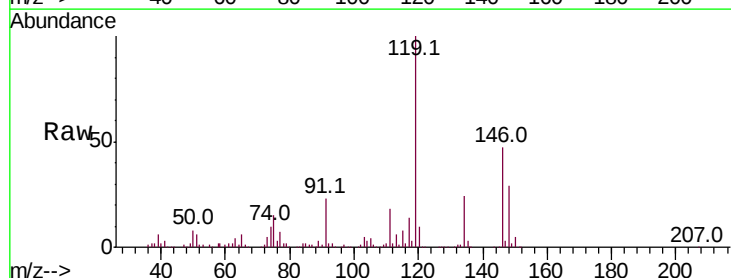
Tgt Ion:119 Resp: 411841

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

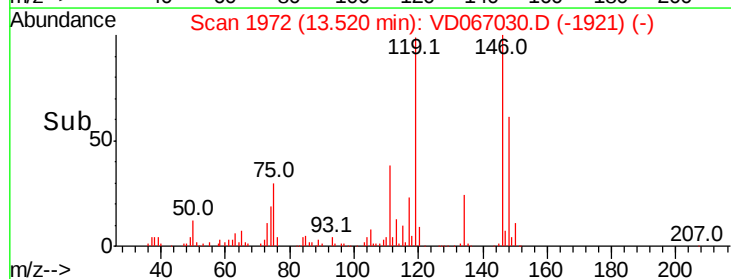
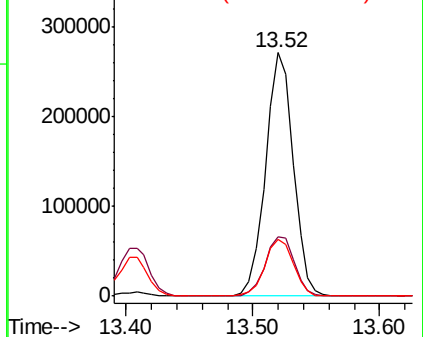
91 23.7 11.7 35.1

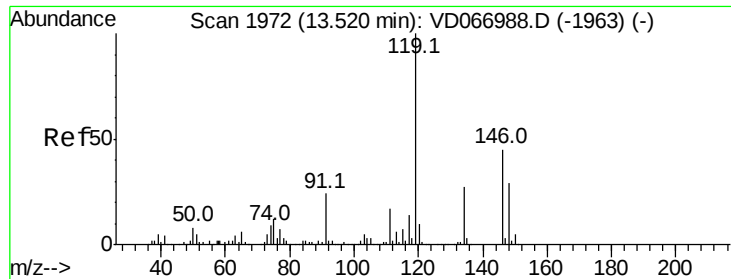


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

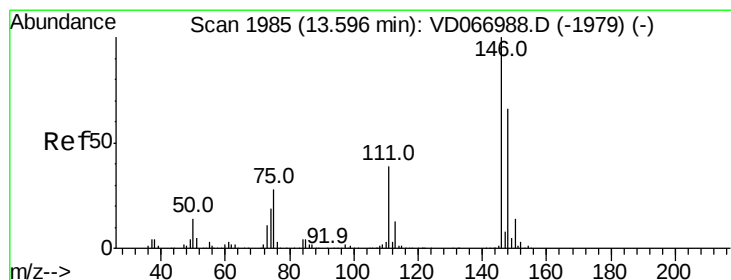
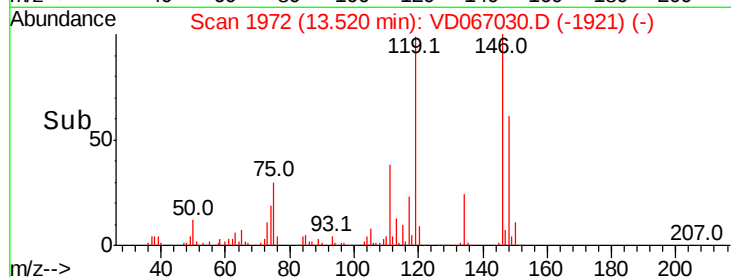
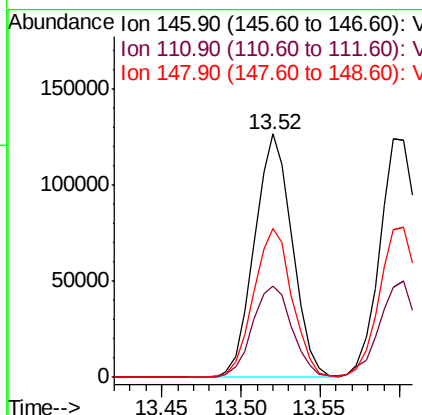
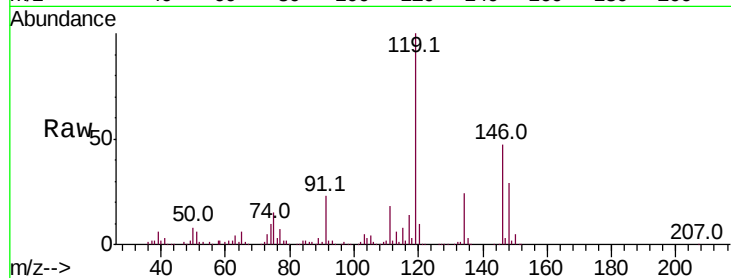




#87
 1,3-Dichlorobenzene
 Concen: 20.114 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

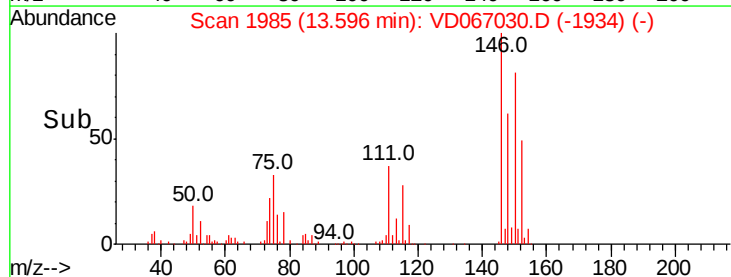
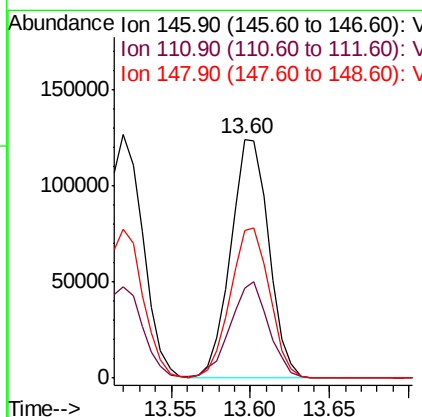
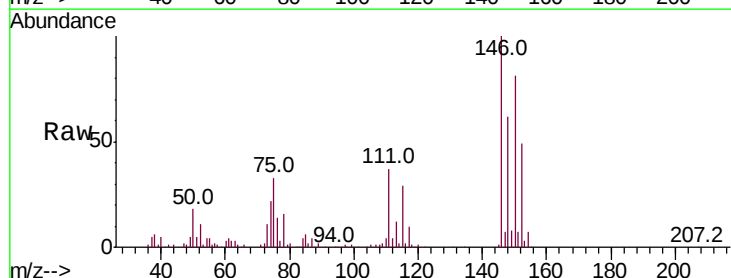
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD01

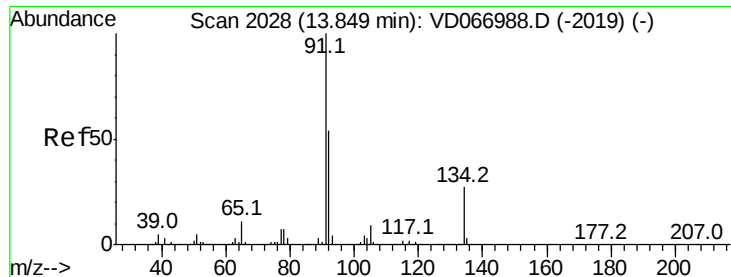
Tot Ion:146 Resp: 210032
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 60.0
 148 62.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.821 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion:146 Resp: 206956
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.6 58.7
 148 64.8 32.6 97.7

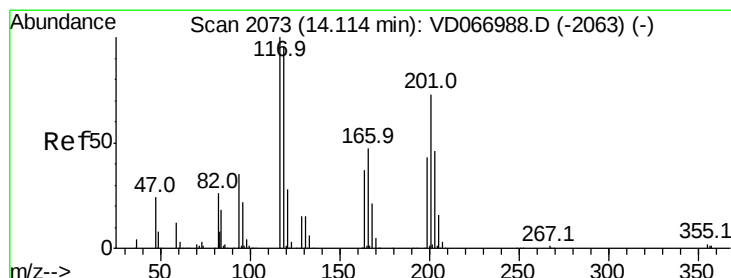
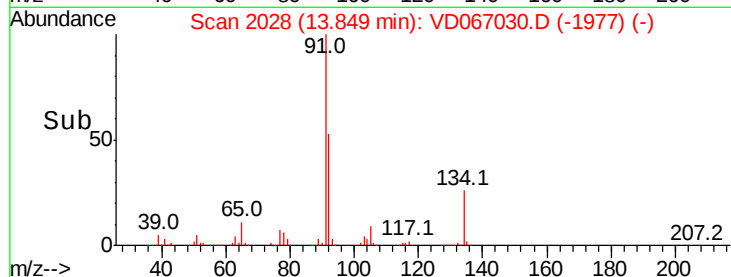
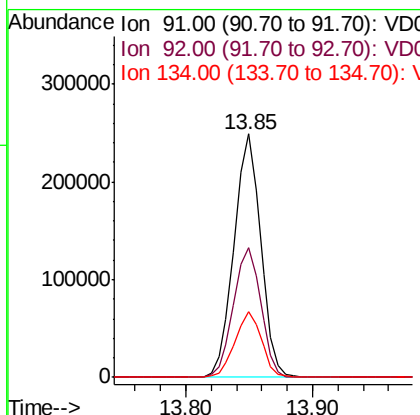
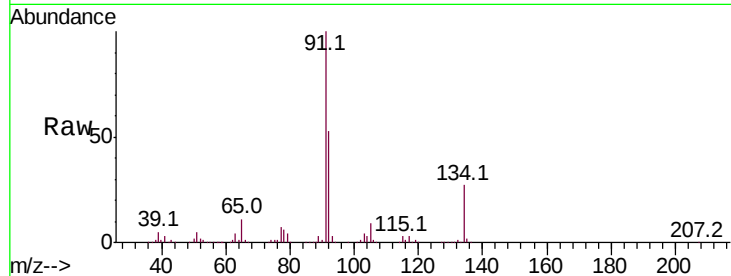




#89
n-Butylbenzene
Concen: 19.266 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

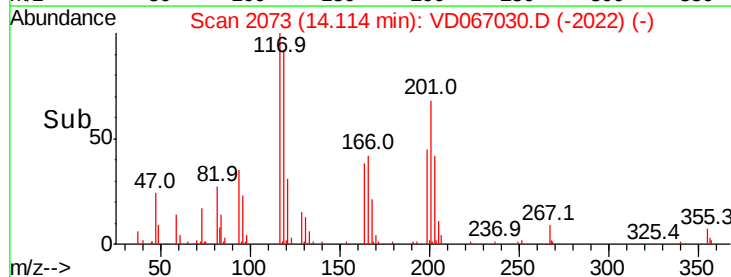
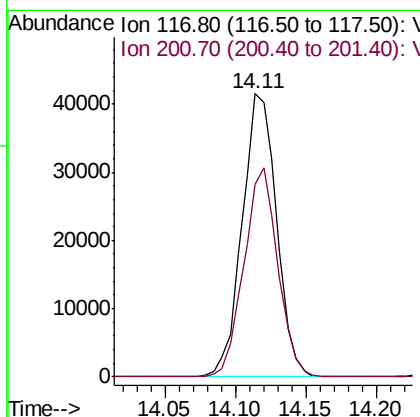
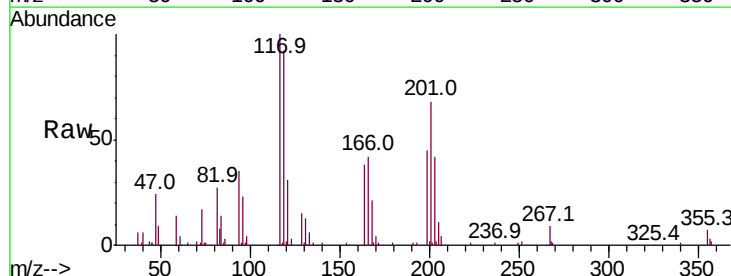
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

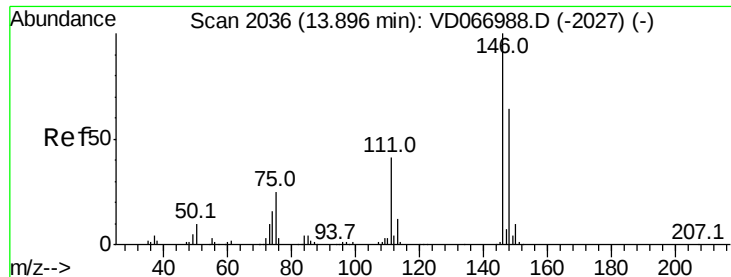
Tot Ion: 91 Resp: 363134
Ion Ratio Lower Upper
91 100
92 54.6 27.1 81.2
134 26.6 13.6 40.8



#90
Hexachloroethane
Concen: 19.589 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 117 Resp: 70767
Ion Ratio Lower Upper
117 100
201 72.9 37.0 110.9





#91

1,2-Dichlorobenzene

Concen: 19.749 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

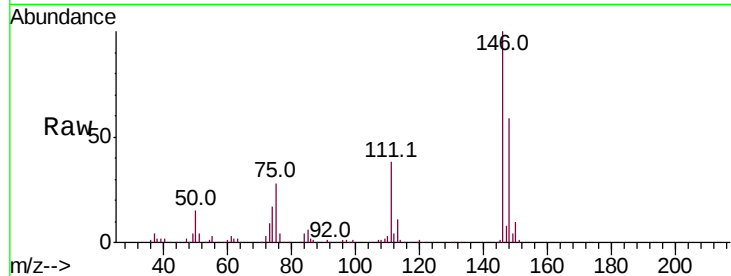
Tot Ion:146 Resp: 180102

Ion Ratio Lower Upper

146 100

111 39.9 20.9 62.7

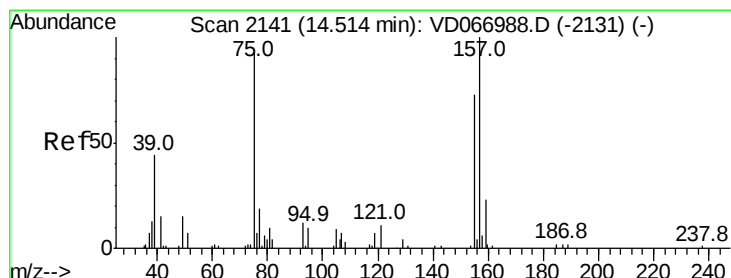
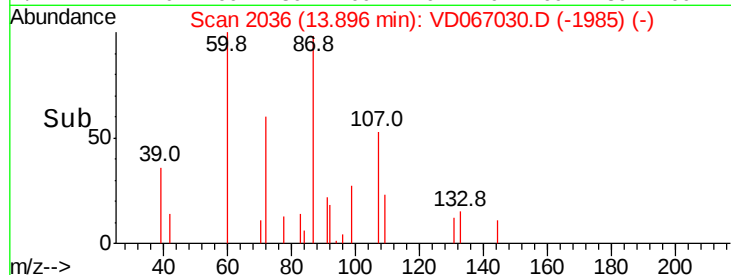
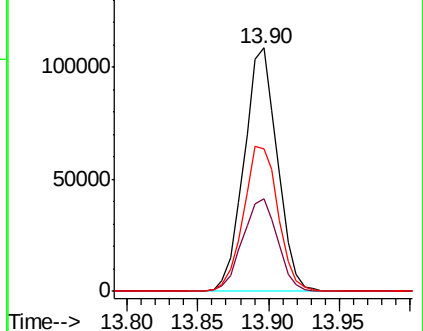
148 61.8 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.171 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

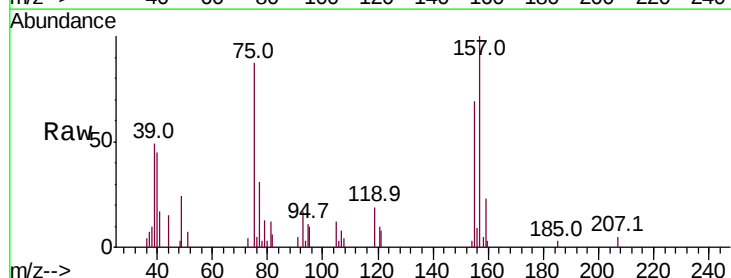
Tgt Ion: 75 Resp: 10957

Ion Ratio Lower Upper

75 100

155 88.0 45.2 135.6

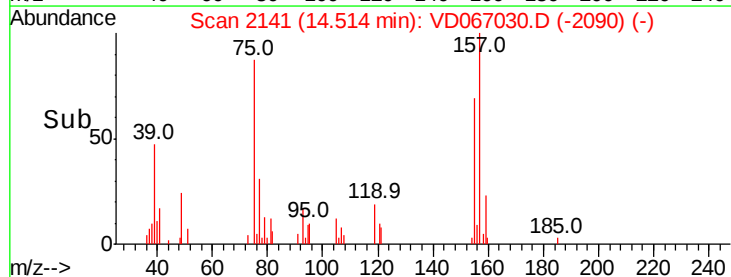
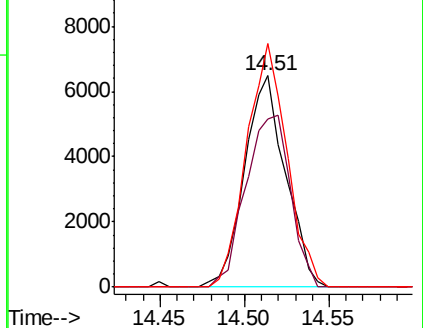
157 113.0 56.3 168.8

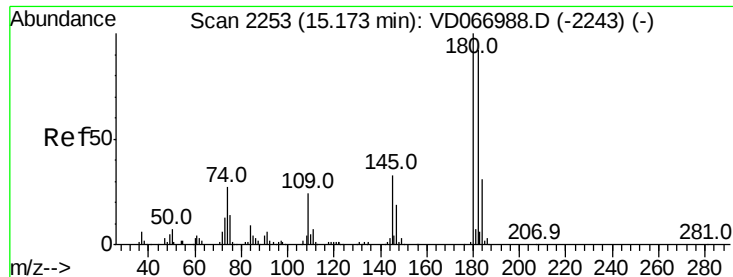


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

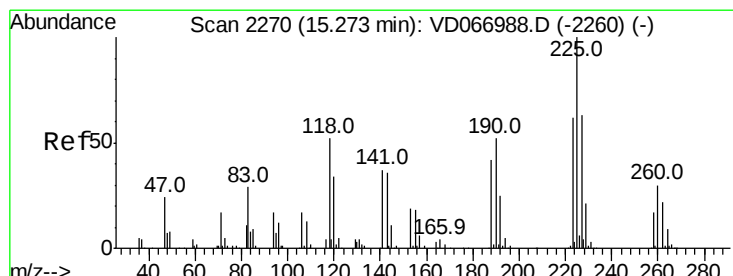
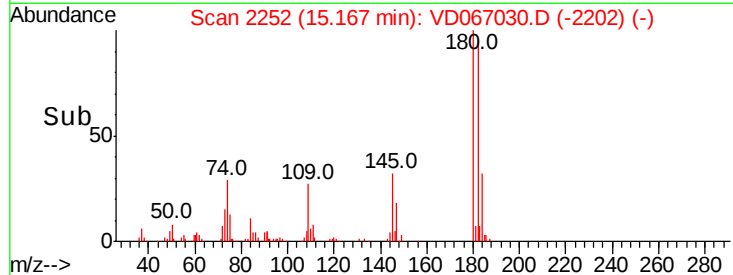
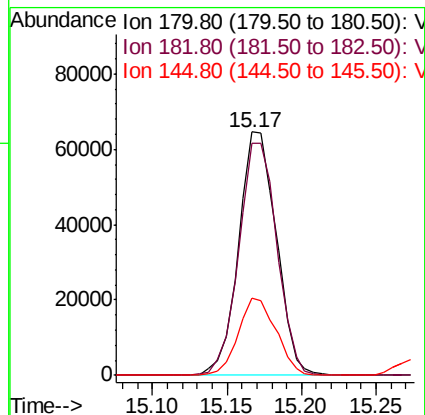
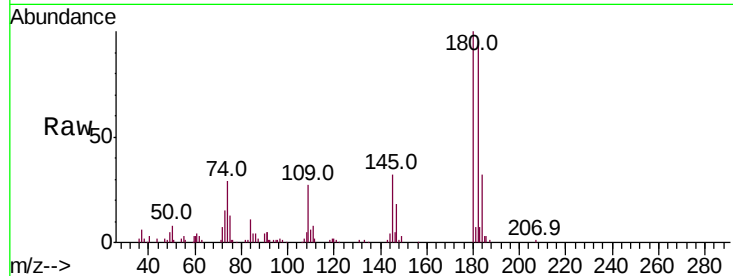




#93
 1,2,4-Trichlorobenzene
 Concen: 19.180 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

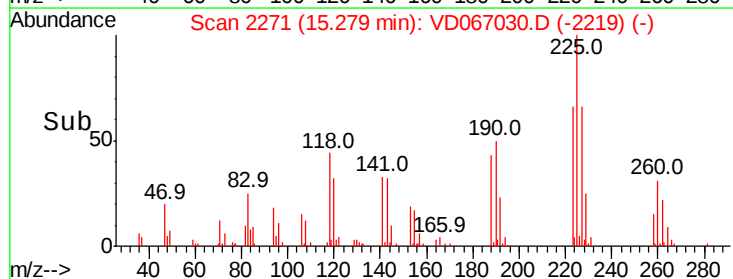
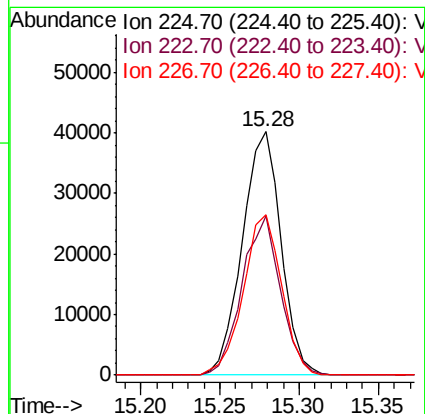
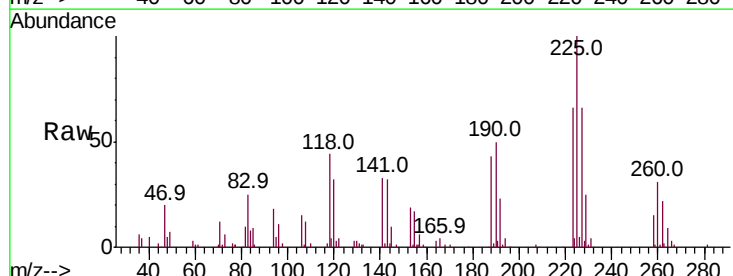
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD01

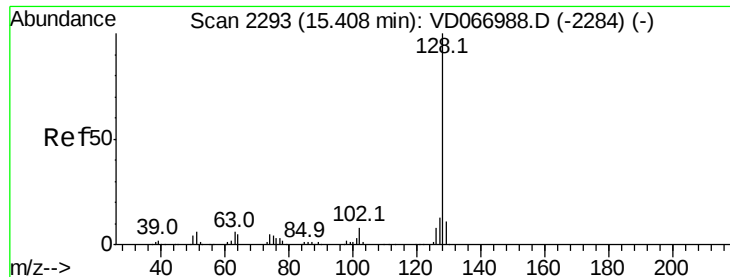
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	142.0
145	31.9	16.4	49.1



#94
 Hexachlorobutadiene
 Concen: 18.837 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.4	97.0
227	65.2	31.6	95.0

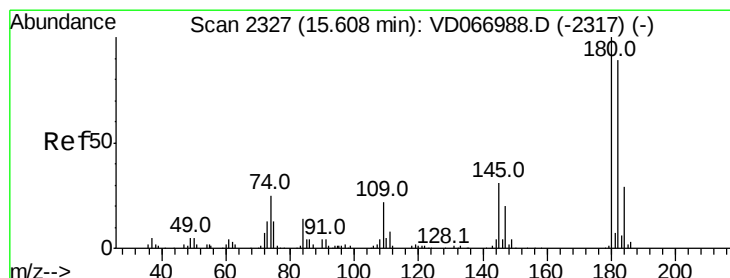
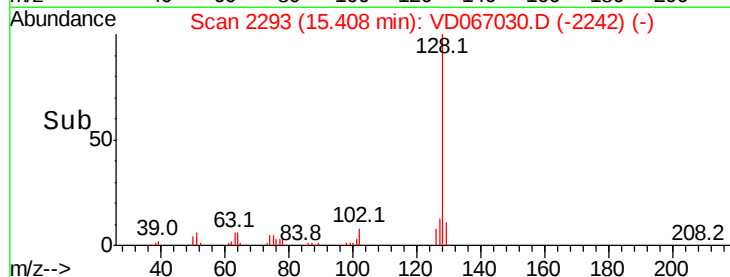
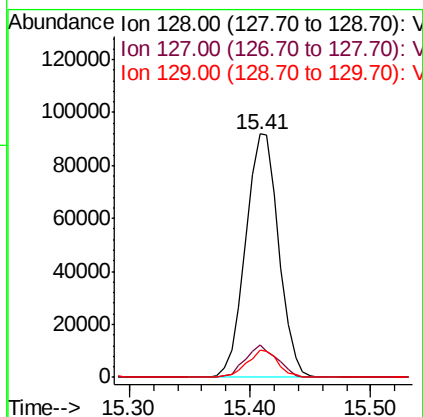
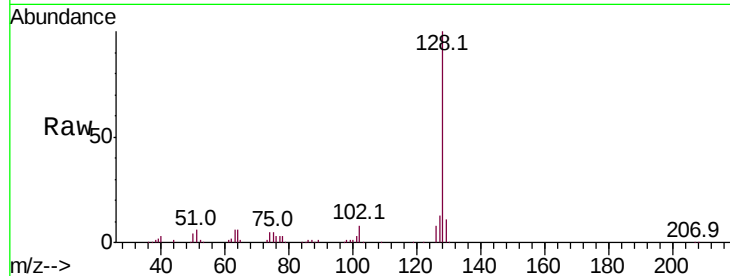




#95
Naphthalene
Concen: 17.787 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion:128 Resp: 175013
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.706 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion:180 Resp: 95787
Ion Ratio Lower Upper
180 100
182 97.9 46.4 139.1
145 34.4 16.6 49.7

