

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067161.D
 Acq On : 07 Oct 2020 19:14
 Operator : VA/SY
 Sample : L4281-03
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 49-93

Quant Time: Oct 08 07:25:37 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	345543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	580425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	481939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	192352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	157722	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
35) Dibromofluoromethane	7.91	113	177723	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	10.34	98	654290	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
62) 4-Bromofluorobenzene	12.64	95	205903	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	54	Below Cal	#	40
11) Tert butyl alcohol	5.21	59	5206	Below Cal	#	81
15) Acrylonitrile	5.43	53	2824	5.047	ug/l #	64
16) Acetone	4.15	43	6817232	13418.158	ug/l	100
18) Methyl Acetate	4.72	43	7555	5.917	ug/l #	74
20) Methylene Chloride	4.97	84	14184	Below Cal	#	86
25) 2-Butanone	7.21	43	31905	44.293	ug/l	94
26) 2,2-Dichloropropane	7.20	77	1132	Below Cal	#	53
31) Cyclohexane	7.97	56	20841	4.170	ug/l #	79
36) 1,1-Dichloropropene	7.98	75	24216	4.476	ug/l #	52
37) Ethyl Acetate	7.21	43	31905	17.023	ug/l #	68
38) Carbon Tetrachloride	7.98	117	36243	6.191	ug/l #	14
39) Methylcyclohexane	9.36	83	18092	3.163	ug/l	92
40) Benzene	8.35	78	18597	1.238	ug/l #	69
43) Isopropyl Acetate	8.45	43	5075	1.470	ug/l #	48
48) Methyl methacrylate	9.43	41	26914	15.215	ug/l #	41
51) 4-Methyl-2-Pentanone	10.23	43	45930	26.706	ug/l	99
52) Toluene	10.40	92	4877019	503.821	ug/l	97
53) t-1,3-Dichloropropene	10.40	75	58701	12.451	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	13710	4.859	ug/l #	29
56) Ethyl methacrylate	10.68	69	3877	1.331	ug/l #	35
59) 2-Hexanone	10.95	43	17280	15.054	ug/l #	23
67) Ethyl Benzene	11.74	91	793918	48.341	ug/l	100
68) m/p-Xylenes	11.85	106	1290287	201.596	ug/l	97
69) o-Xylene	12.18	106	574871	100.440	ug/l	93
70) Styrene	12.18	104	41332	4.205	ug/l #	1
73) Isopropylbenzene	12.48	105	169014	12.940	ug/l	99
74) N-amyl acetate	12.27	43	48300	20.571	ug/l #	61
76) 1,2,3-Trichloropropane	12.82	75	4075	2.432	ug/l #	100
78) n-propylbenzene	12.83	91	544462	35.273	ug/l	100
79) 2-Chlorotoluene	12.88	91	211856	23.989	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.96	105	1058501	95.922	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.63	75	105349	156.763	ug/l #	13
82) 4-Chlorotoluene	12.96	91	121766	12.959	ug/l #	41

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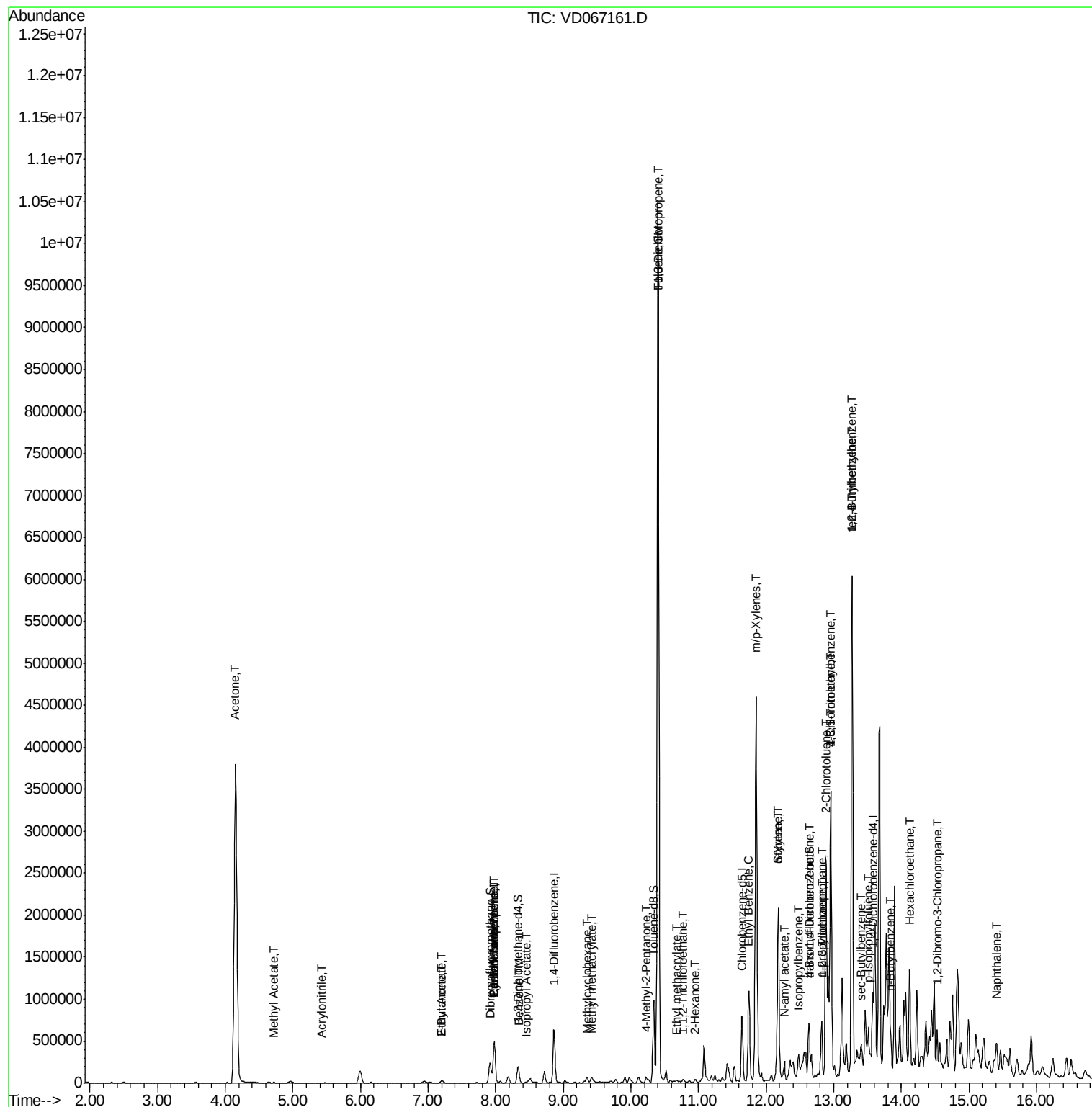
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.27	119	418717	45.060	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.27	105	3379845	306.910	ug/l	99
85) sec-Butylbenzene	13.41	105	164524	12.572	ug/l	79
86) p-Isopropyltoluene	13.52	119	152784	12.593	ug/l	97
89) n-Butylbenzene	13.85	91	172617	15.568	ug/l #	73
90) Hexachloroethane	14.13	117	58969	27.748	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.54	75	1100	3.101	ug/l #	8
95) Naphthalene	15.41	128	295810	51.107	ug/l	98

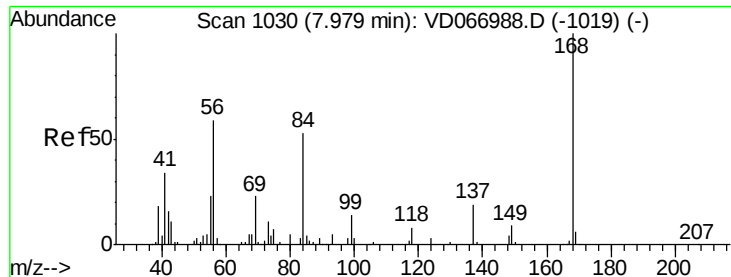
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

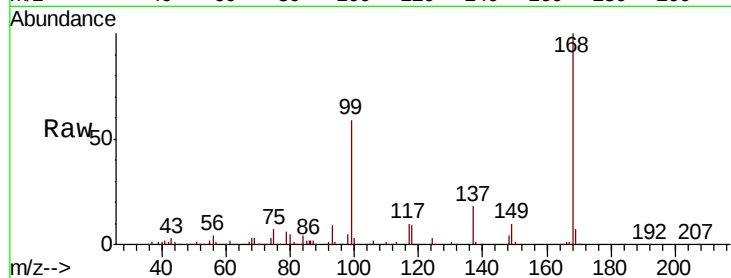
49-93

Tot Ion:168 Resp: 345543

Ion Ratio Lower Upper

168 100

99 59.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

150000

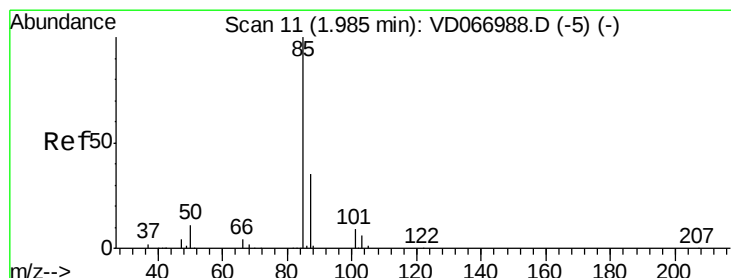
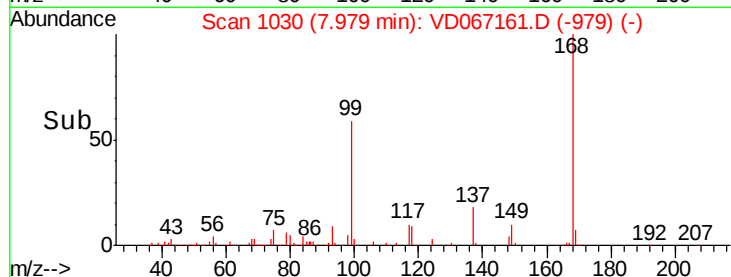
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067161.D

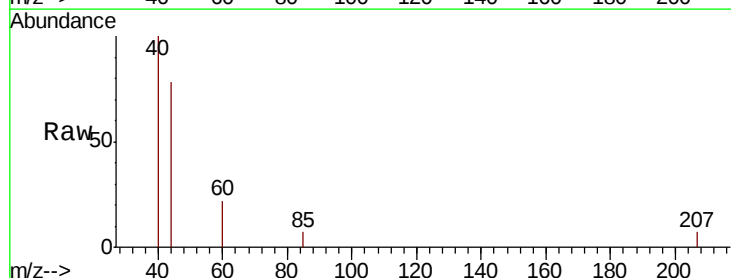
Acq: 07 Oct 2020 19:14

Tgt Ion: 85 Resp: 54

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

150

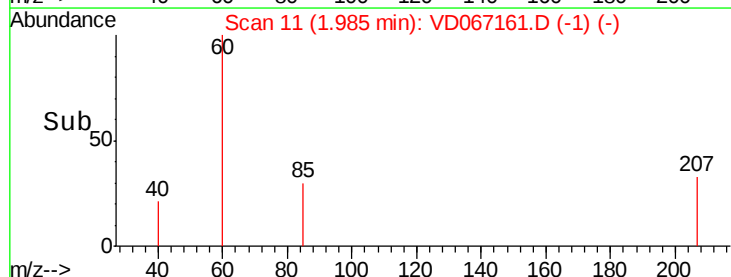
100

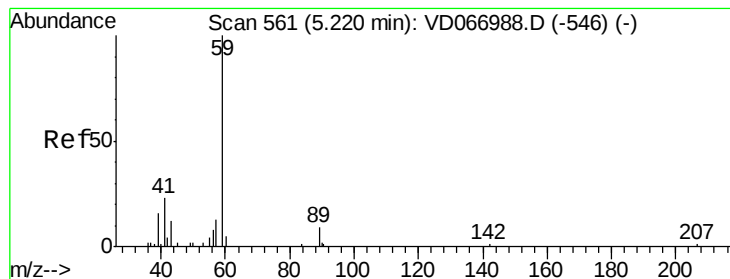
50

0

Time-->

1.97 1.98 1.99 2.00



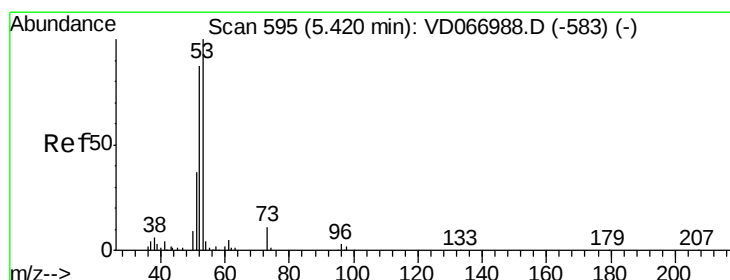
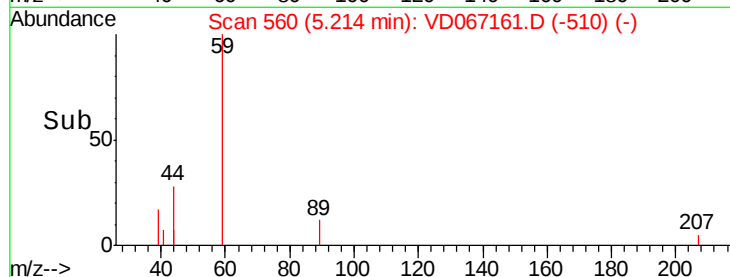
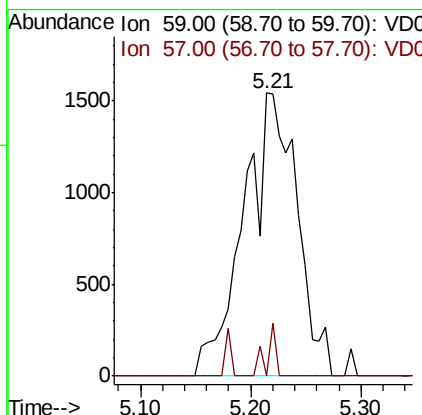
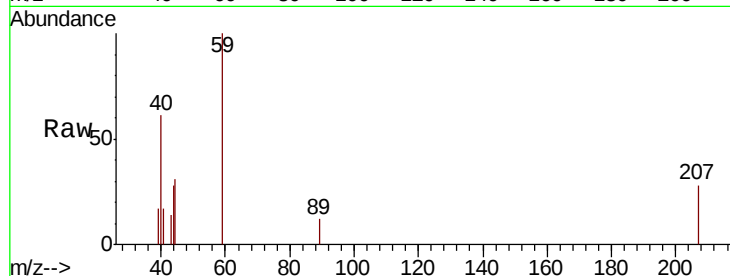


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067161.D
 Acq: 07 Oct 2020 19:14

Instrument :
 MSVOA_D
 ClientSampled :
 49-93

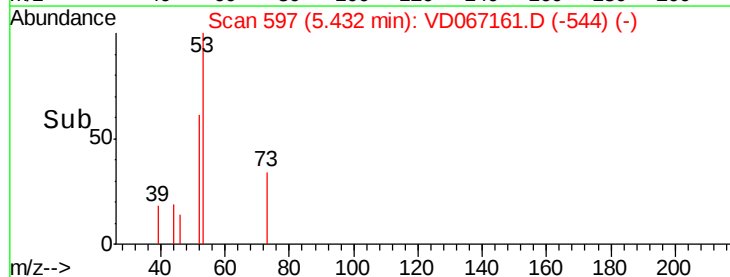
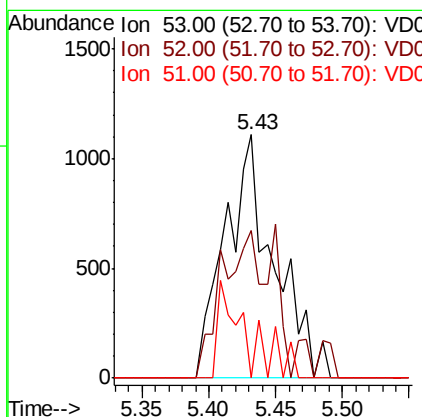
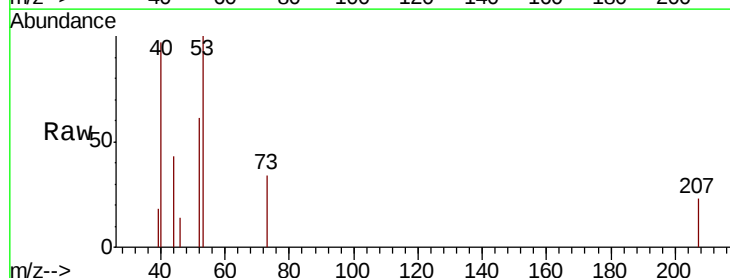
Tot Ion: 59 Resp: 5206
 Ion Ratio Lower Upper
 59 100
 57 3.1 8.2 12.4#

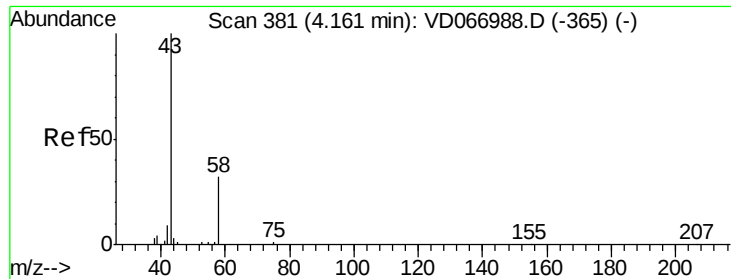


#15

Acrylonitrile
 Concen: 5.047 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VD067161.D
 Acq: 07 Oct 2020 19:14

Tgt Ion: 53 Resp: 2824
 Ion Ratio Lower Upper
 53 100
 52 62.4 67.3 100.9#
 51 0.0 30.2 45.2#





#16

Acetone

Concen: 13418.158 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

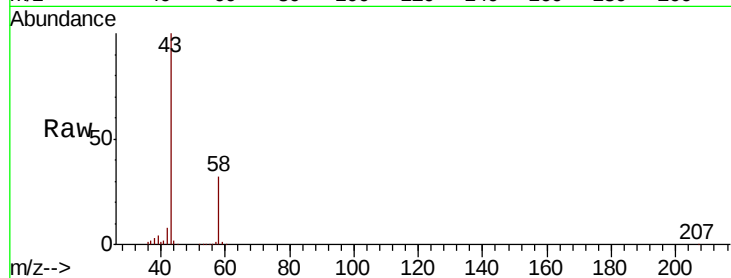
49-93

Tot Ion: 43 Resp: 6817232

Ion Ratio Lower Upper

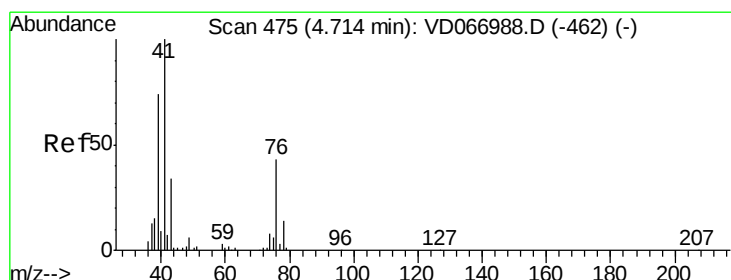
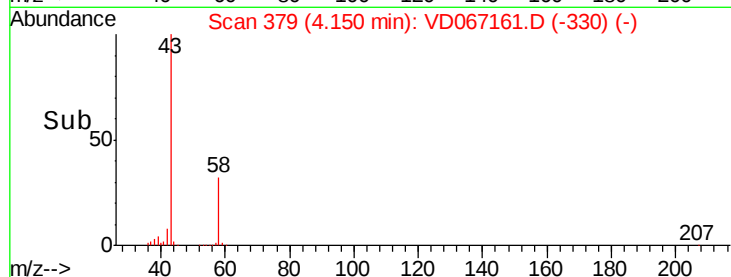
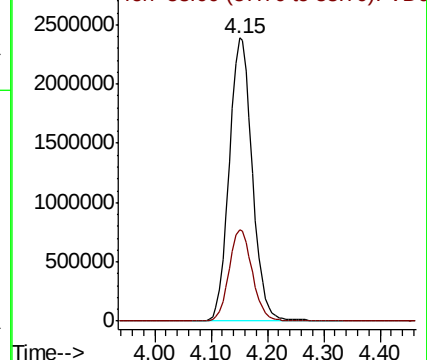
43 100

58 32.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 5.917 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067161.D

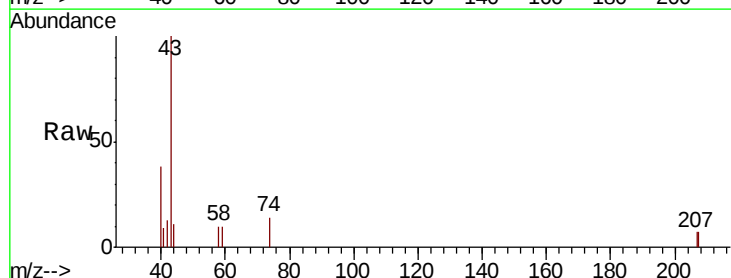
Acq: 07 Oct 2020 19:14

Tgt Ion: 43 Resp: 7555

Ion Ratio Lower Upper

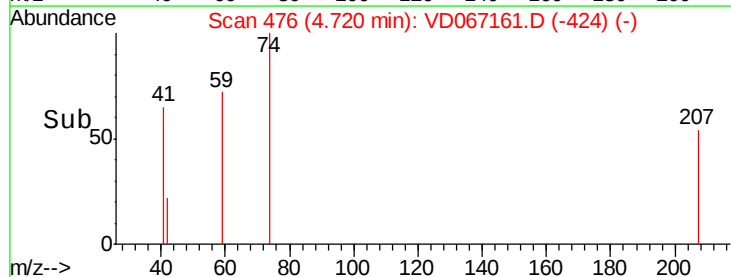
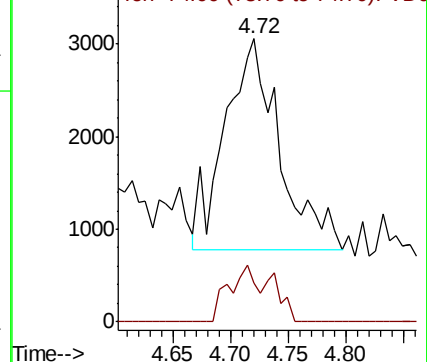
43 100

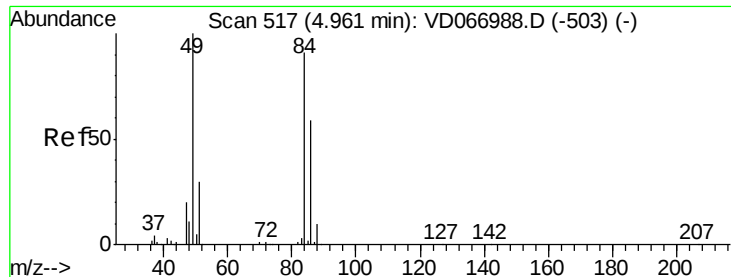
74 13.4 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

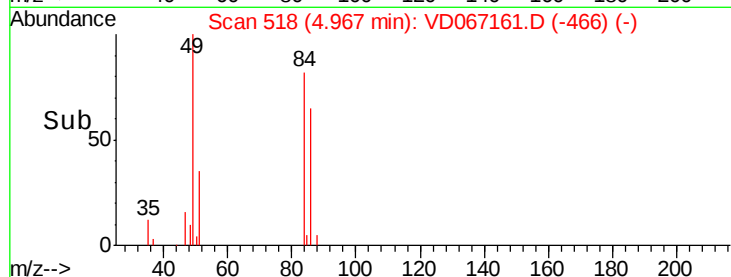
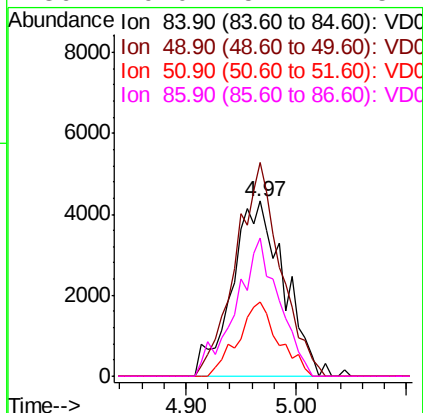
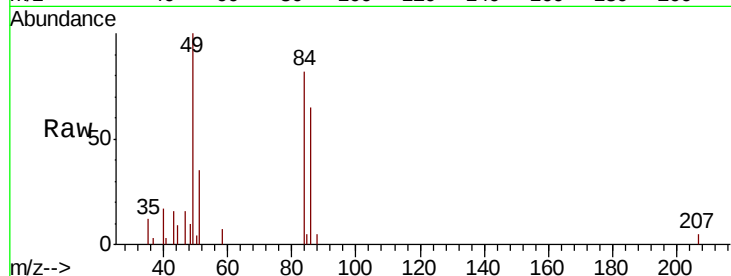




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

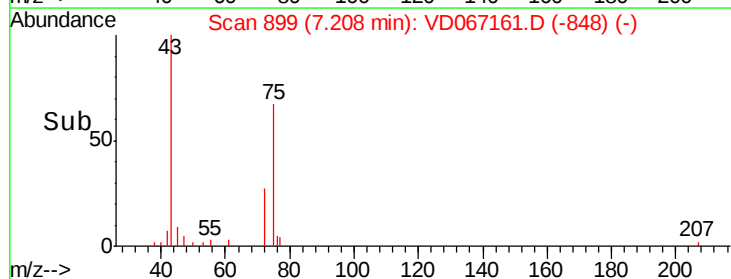
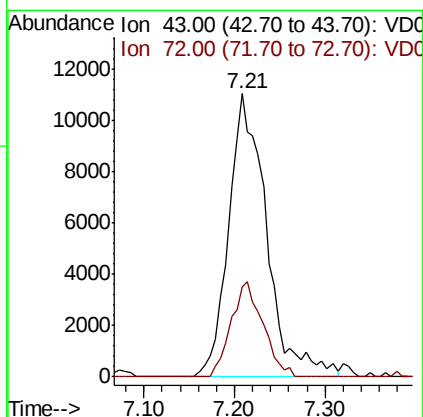
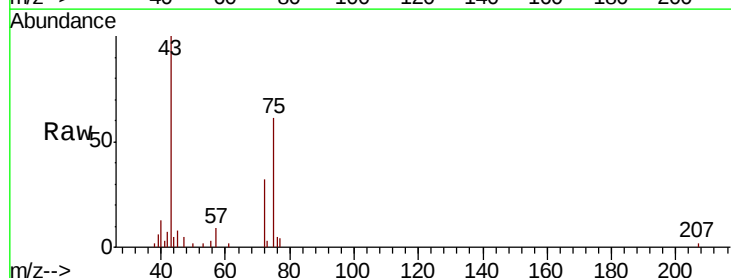
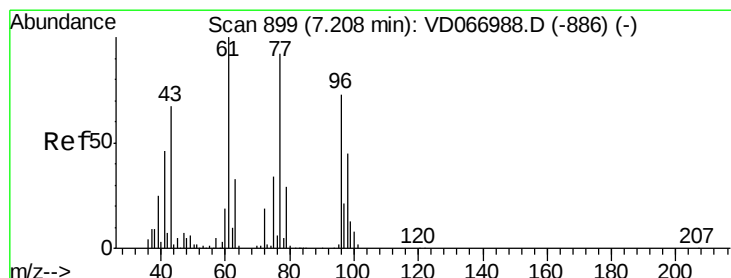
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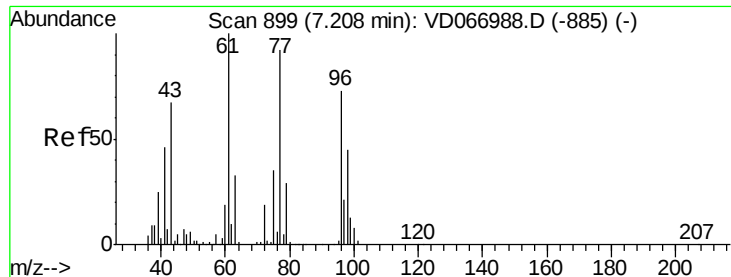
Tot Ion: 84 Resp: 14184
Ion Ratio Lower Upper
84 100
49 122.2 88.2 132.2
51 42.3 26.6 39.8#
86 79.0 52.1 78.1#



#25
2-Butanone
Concen: 44.293 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion: 43 Resp: 31905
Ion Ratio Lower Upper
43 100
72 31.8 22.8 34.2

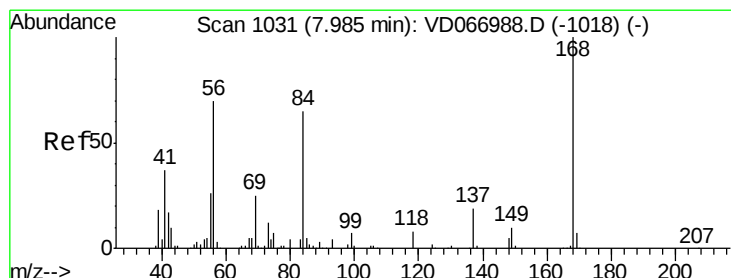
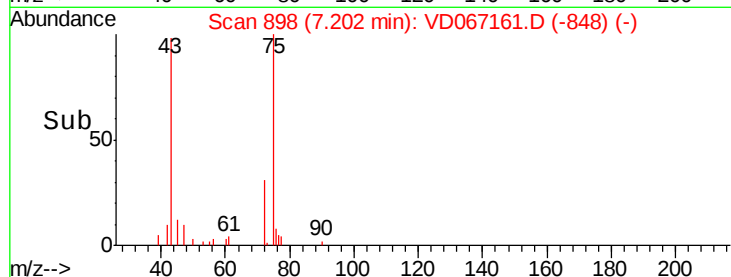
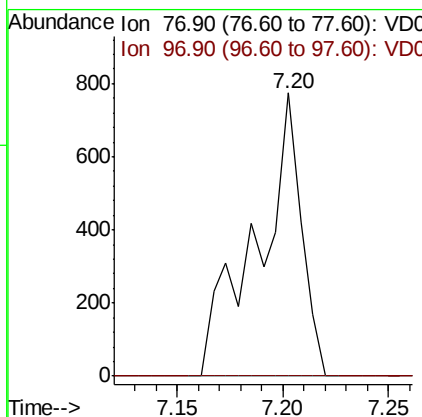
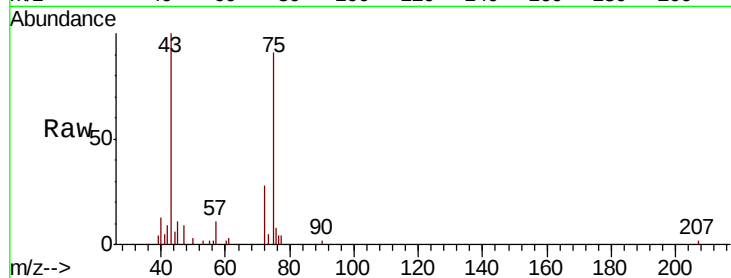




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

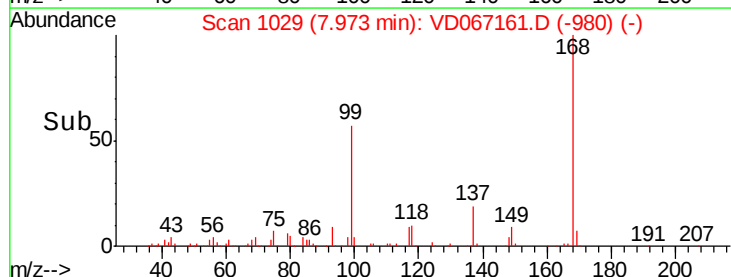
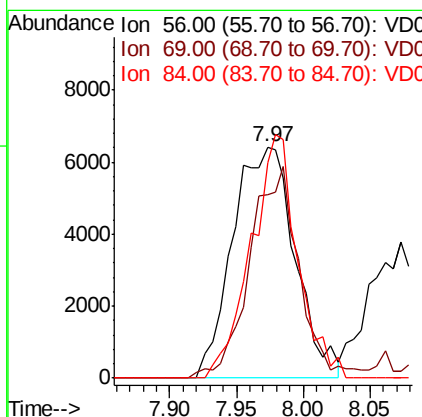
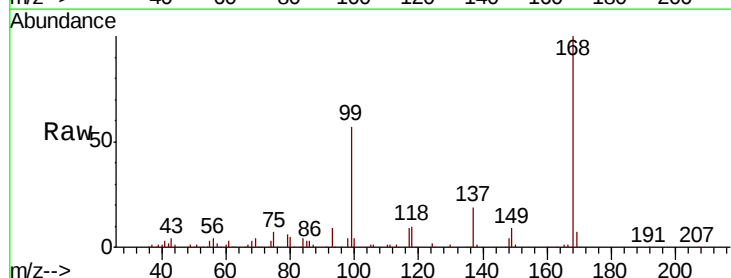
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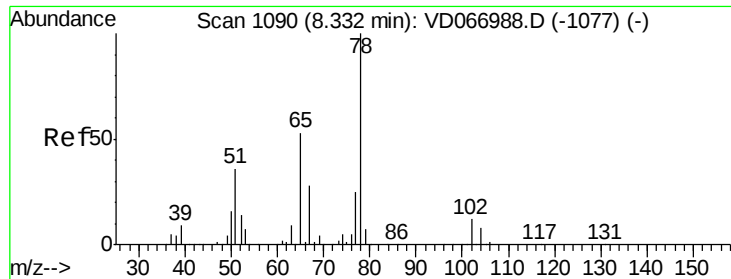
Tot Ion: 77 Resp: 1132
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 4.170 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion: 56 Resp: 20841
Ion Ratio Lower Upper
56 100
69 79.2 29.0 43.6#
84 93.4 74.2 111.2





#33

1,2-Dichloroethane-d4

Concen: 47.389 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

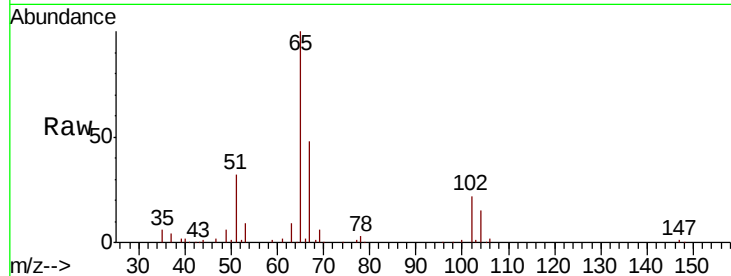
49-93

Tot Ion: 65 Resp: 157722

Ion Ratio Lower Upper

65 100

67 50.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

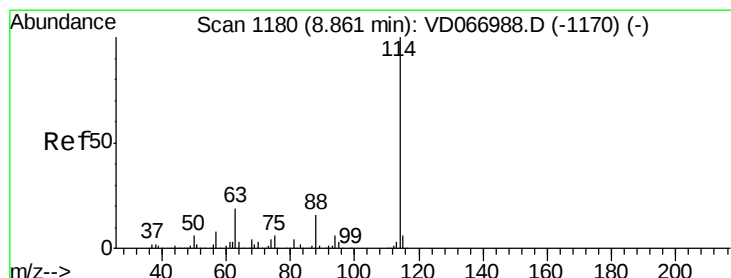
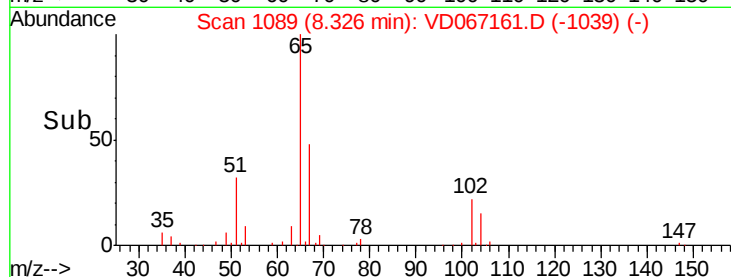
40000

20000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

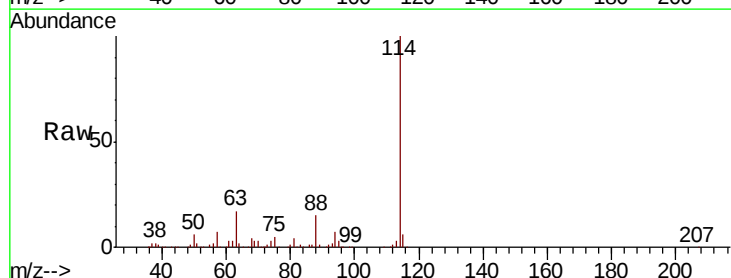
Tgt Ion: 114 Resp: 580425

Ion Ratio Lower Upper

114 100

63 16.9 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

8.87

300000

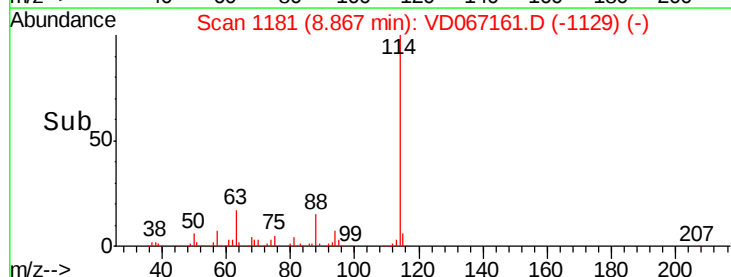
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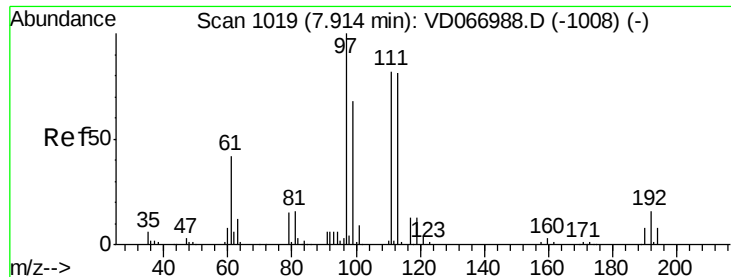
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0

8.80 8.90 9.00

Time-->

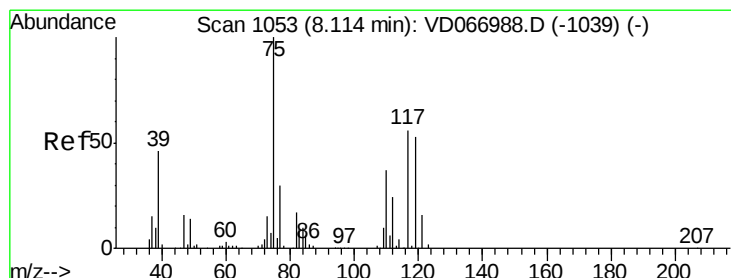
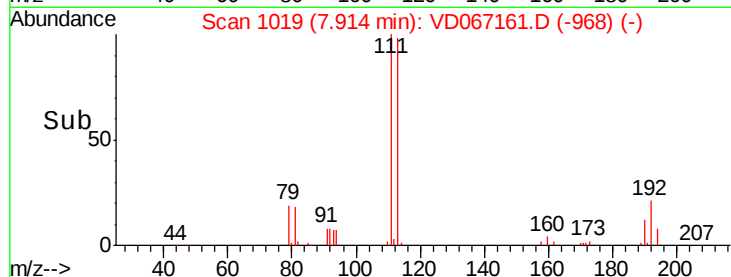
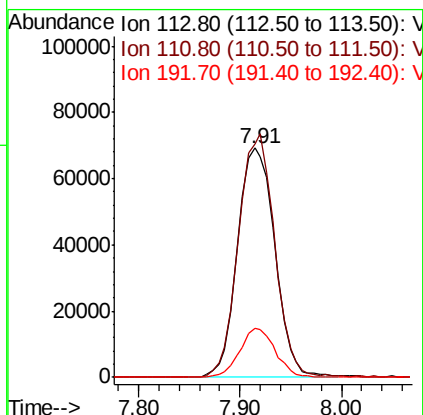
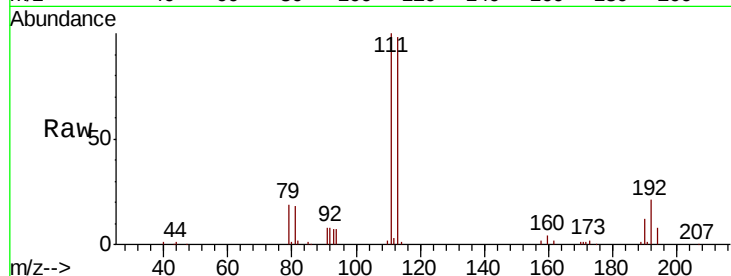




#35
Dibromofluoromethane
Concen: 46.770 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

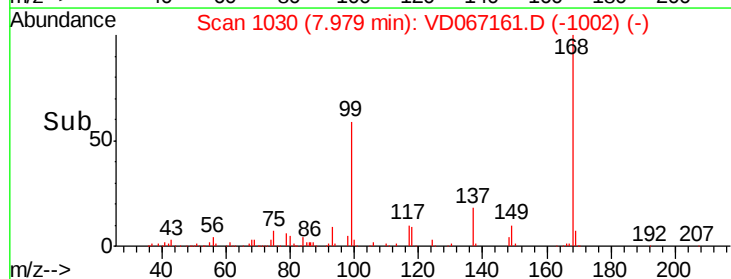
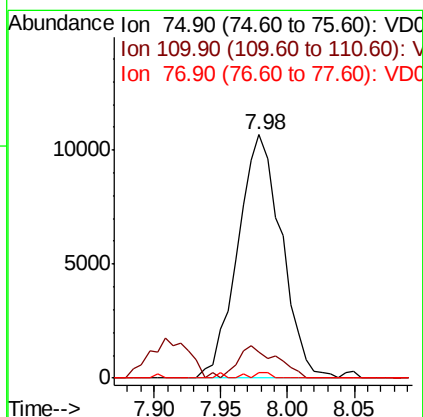
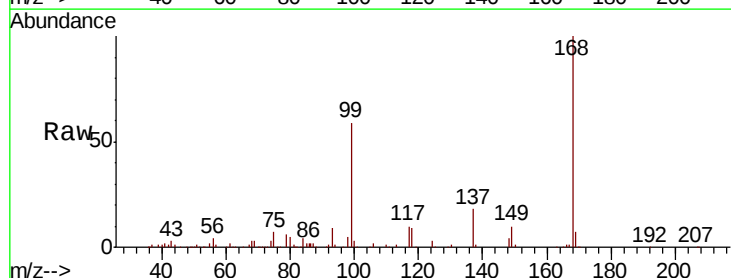
Instrument :
MSVOA_D
ClientSampleId :
49-93

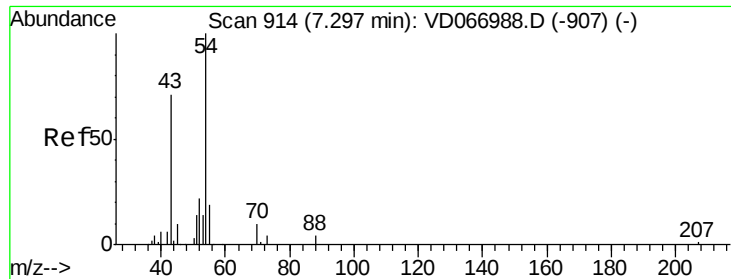
Tot Ion:113 Resp: 177723
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 20.2 15.5 23.3



#36
1,1-Dichloropropene
Concen: 4.476 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion: 75 Resp: 24216
Ion Ratio Lower Upper
75 100
110 11.8 18.4 55.0#
77 1.0 24.8 37.2#

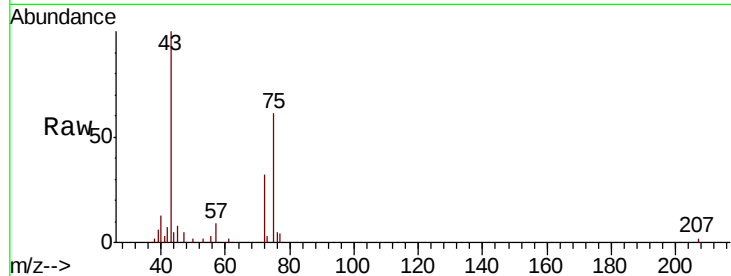




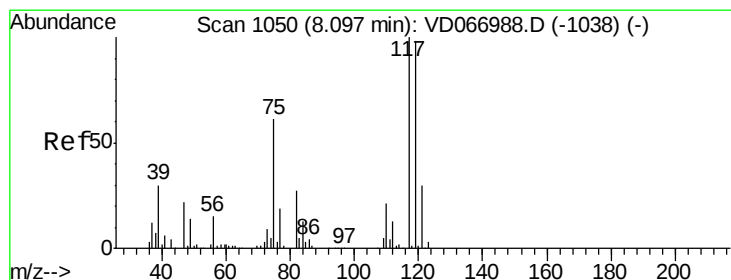
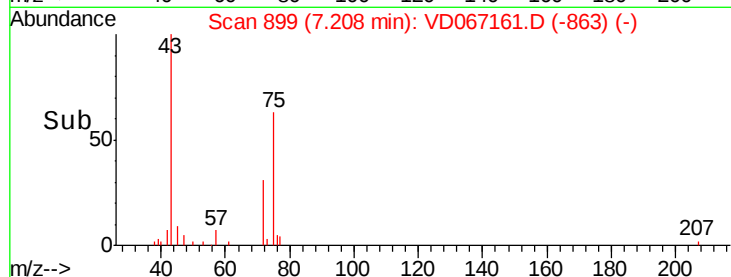
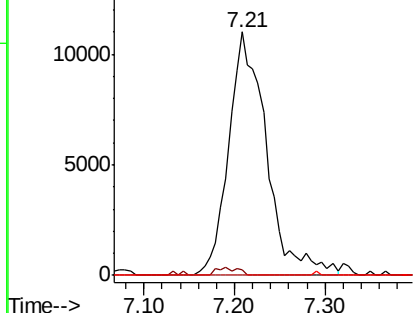
#37
Ethyl Acetate
Concen: 17.023 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.09 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Instrument :
MSVOA_D
ClientSampled :
49-93

Tot Ion: 43 Resp: 31905
Ion Ratio Lower Upper
43 100
61 1.8 12.5 18.7#
70 0.0 9.4 14.0#

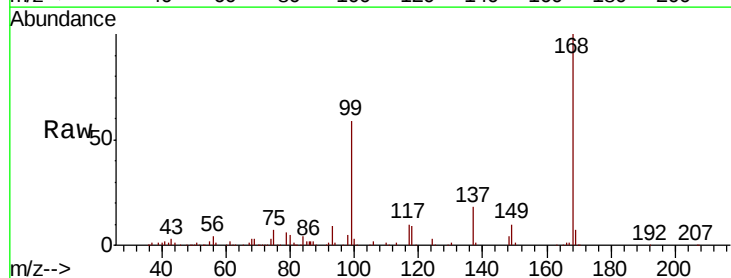


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

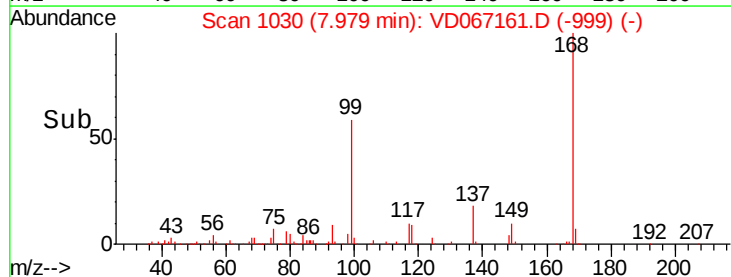
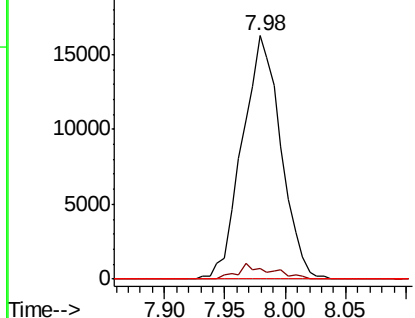


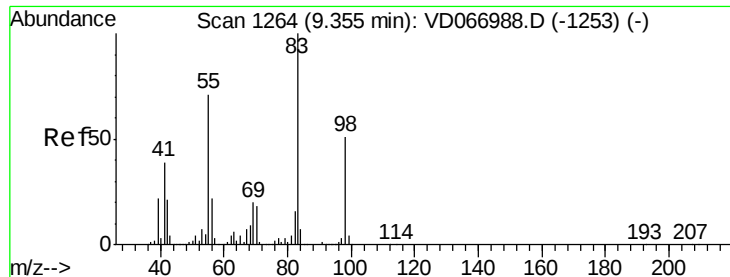
#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion: 117 Resp: 36243
Ion Ratio Lower Upper
117 100
119 4.2 78.7 118.1#
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

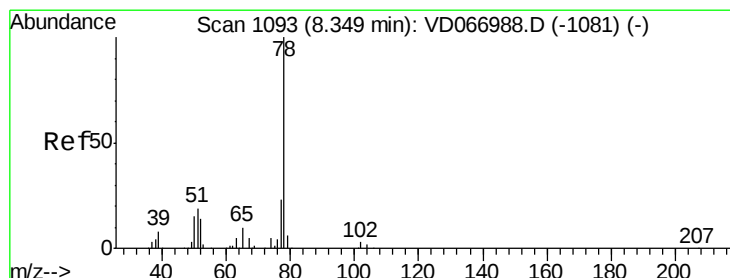
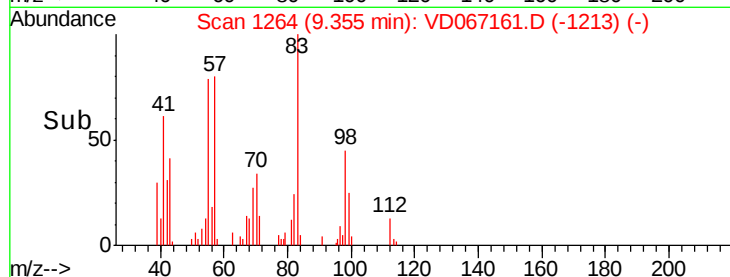
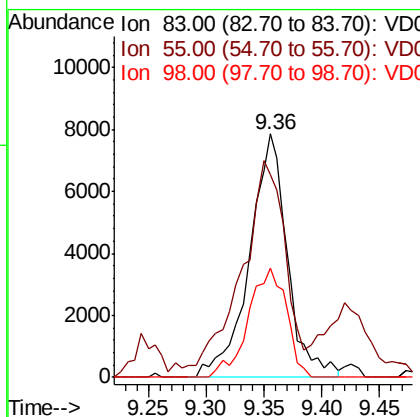
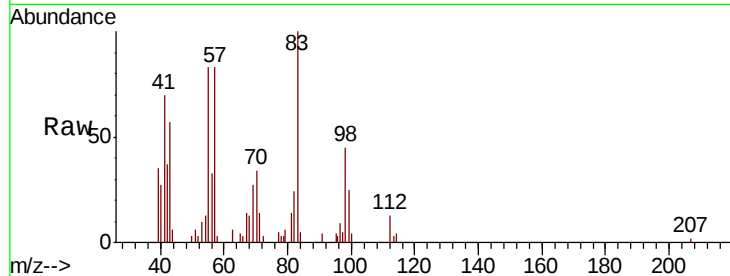




#39
Methvlcvclohexane
Concen: 3.163 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

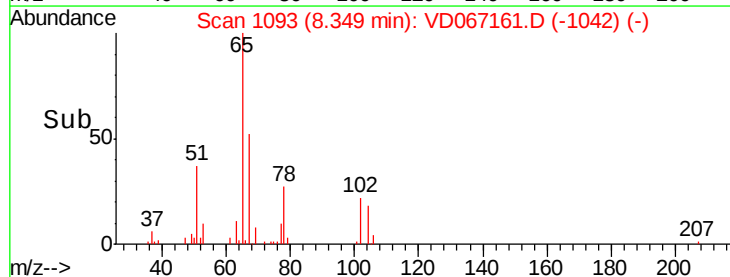
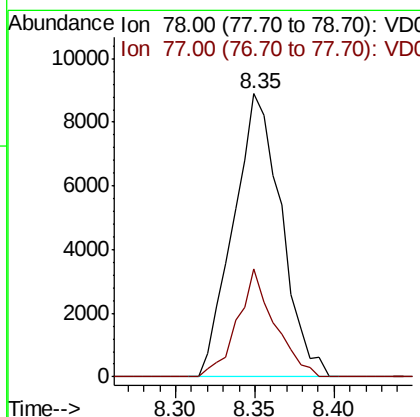
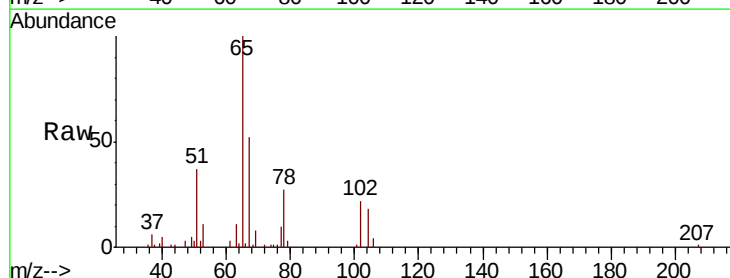
Instrument :
MSVOA_D
ClientSampleId :
49-93

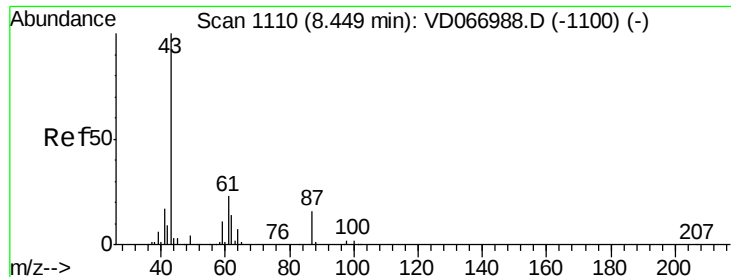
Tot Ion: 83 Resp: 18092
Ion Ratio Lower Upper
83 100
55 77.9 57.1 85.7
98 44.8 40.9 61.3



#40
Benzene
Concen: 1.238 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion: 78 Resp: 18597
Ion Ratio Lower Upper
78 100
77 38.0 18.4 27.6#





#43

Isopropyl Acetate

Concen: 1.470 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

49-93

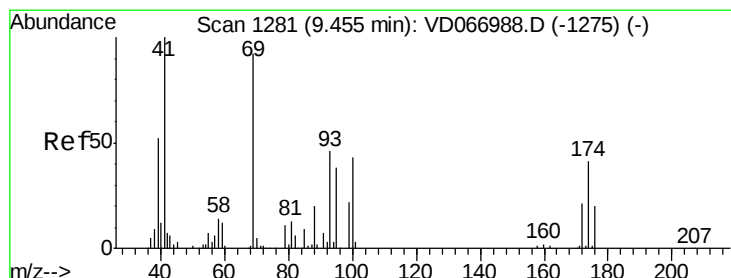
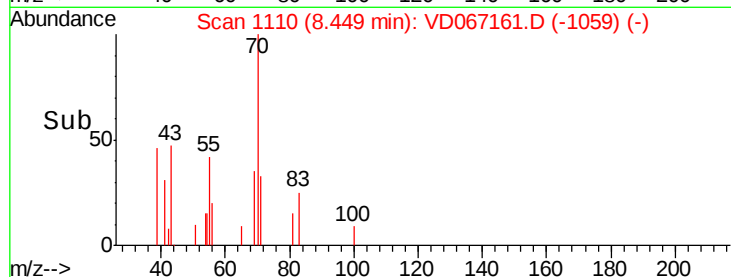
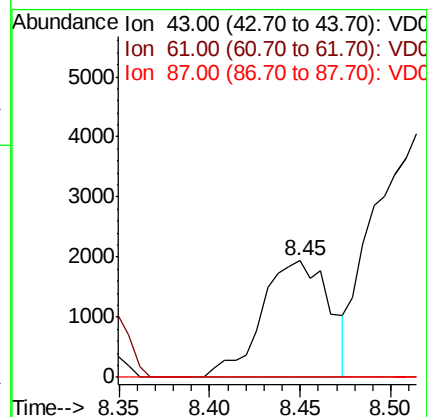
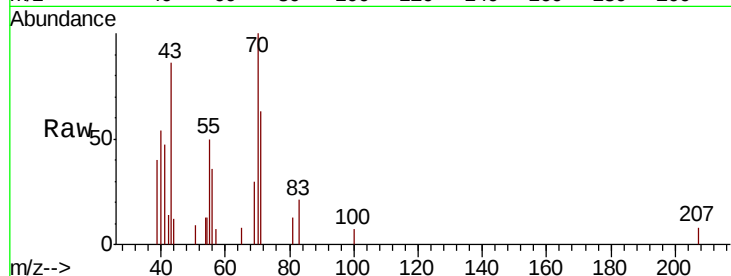
Tot Ion: 43 Resp: 5075

Ion Ratio Lower Upper

43 100

61 0.0 27.1 40.7#

87 0.0 12.3 18.5#



#48

Methyl methacrylate

Concen: 15.215 ug/l

RT: 9.43 min Scan# 1276

Delta R.T. -0.03 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

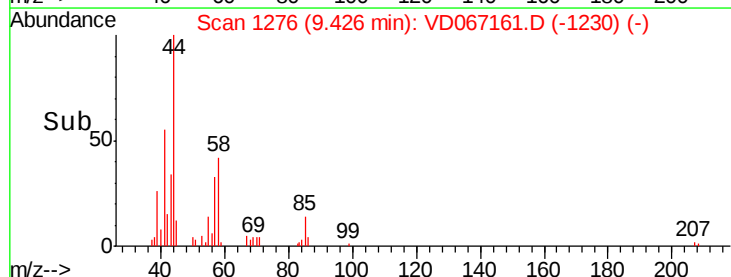
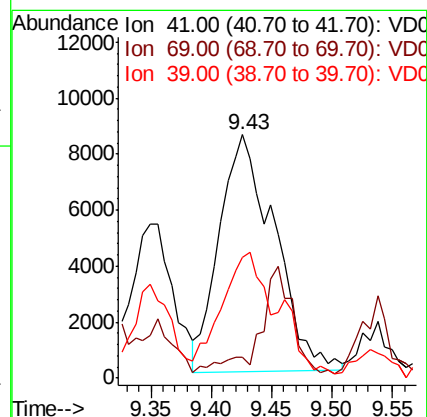
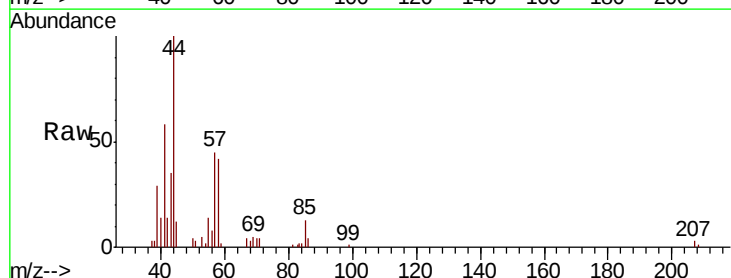
Tgt Ion: 41 Resp: 26914

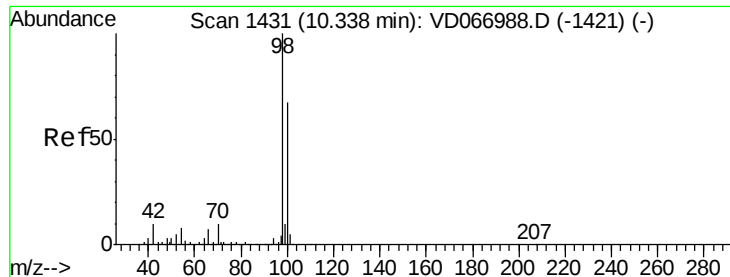
Ion Ratio Lower Upper

41 100

69 0.0 68.5 102.7#

39 51.0 40.2 60.2

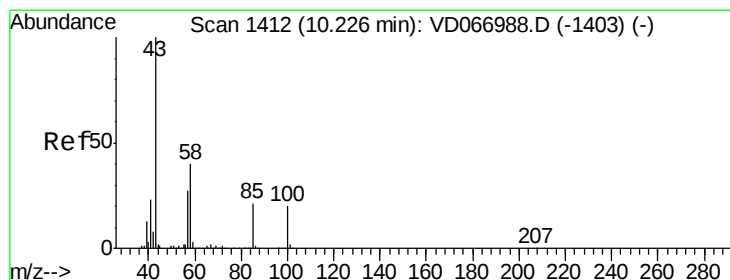
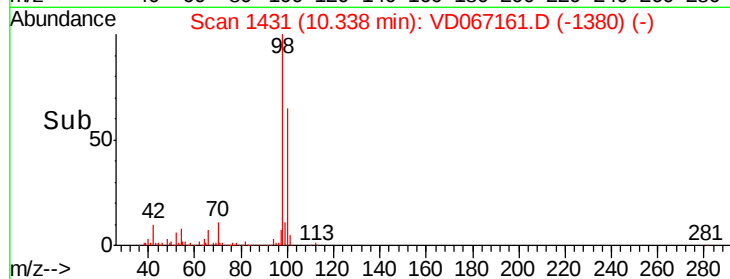
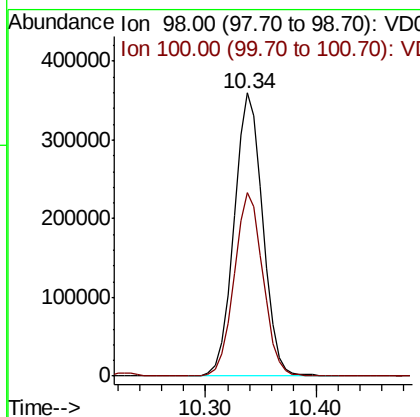
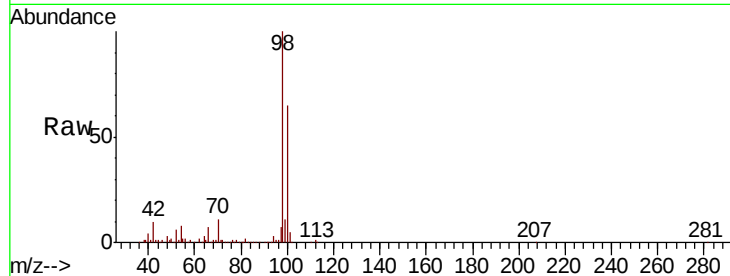




#50
Toluene-d8
Concen: 47.253 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

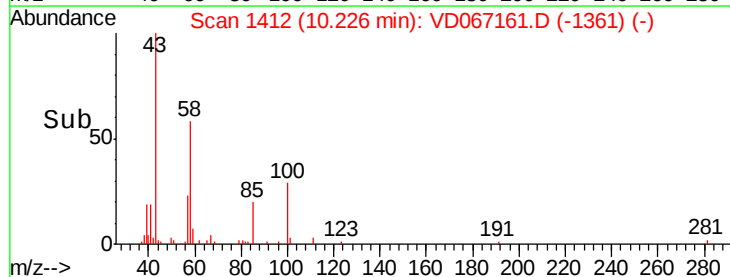
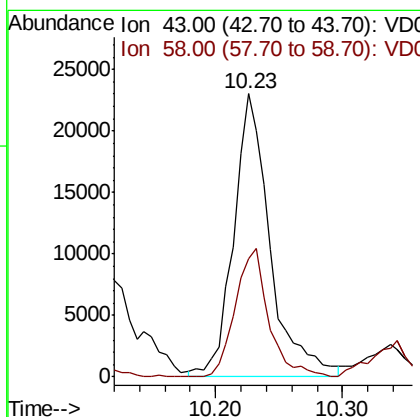
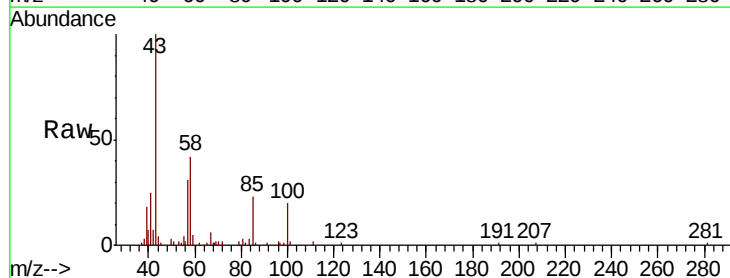
Instrument :
MSVOA_D
ClientSampleId :
49-93

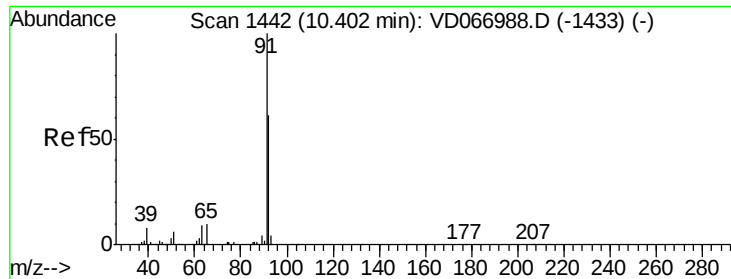
Tot Ion: 98 Resp: 654290
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 26.706 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion: 43 Resp: 45930
Ion Ratio Lower Upper
43 100
58 41.5 33.8 50.8





#52

Toluene

Concen: 503.821 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

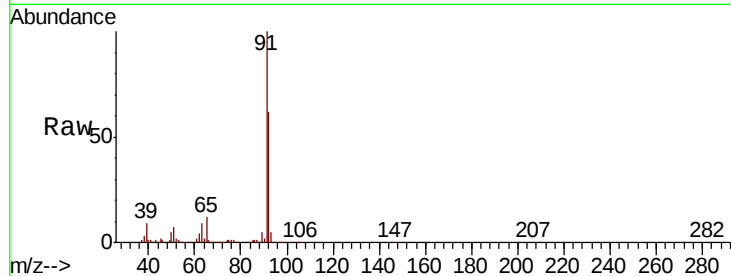
49-93

Tot Ion: 92 Resp: 4877019

Ion Ratio Lower Upper

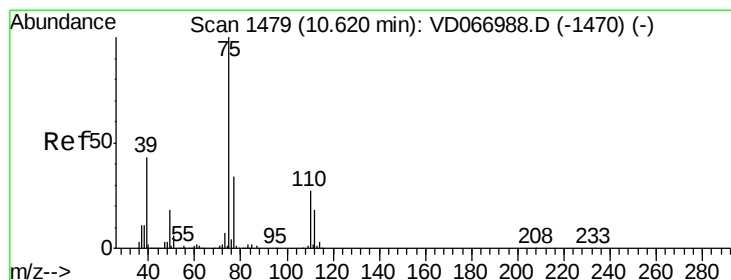
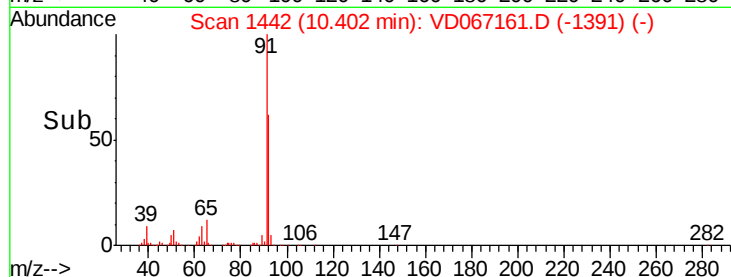
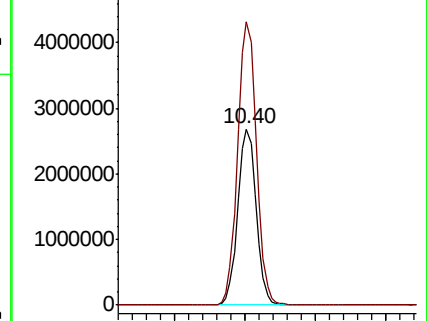
92 100

91 164.7 135.1 202.7



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: 12.451 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.22 min

Lab File: VD067161.D

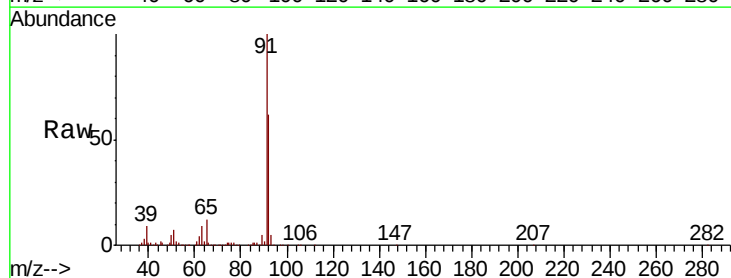
Acq: 07 Oct 2020 19:14

Tgt Ion: 75 Resp: 58701

Ion Ratio Lower Upper

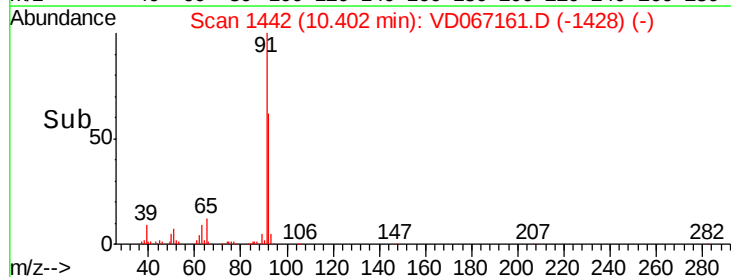
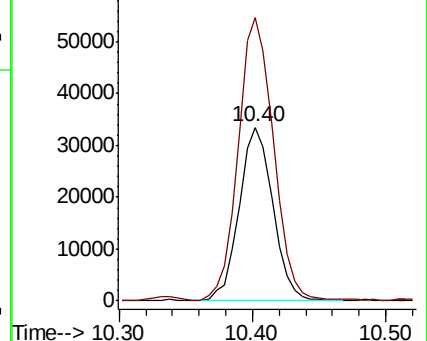
75 100

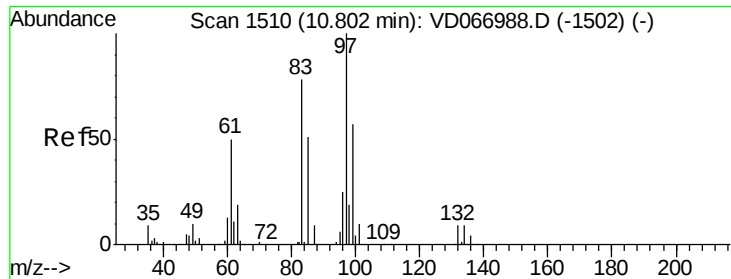
77 162.7 27.1 40.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC





#55

1,1,2-Trichloroethane

Concen: 4.859 ug/l

RT: 10.77 min Scan# 1505

Delta R.T. -0.03 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

49-93

Tot Ion: 97 Resp: 13710

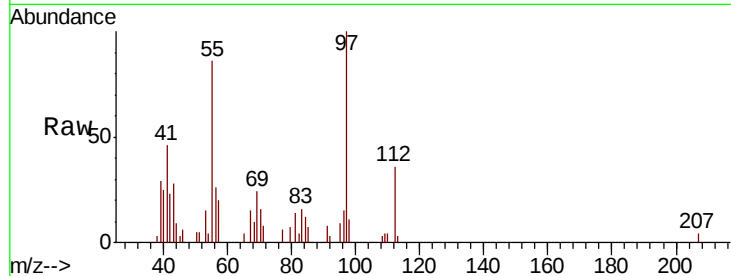
Ion Ratio Lower Upper

97 100

83 16.2 62.4 93.6#

85 7.5 41.0 61.4#

99 0.0 45.9 68.9#

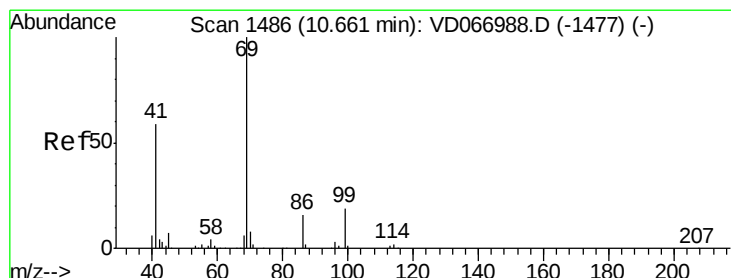
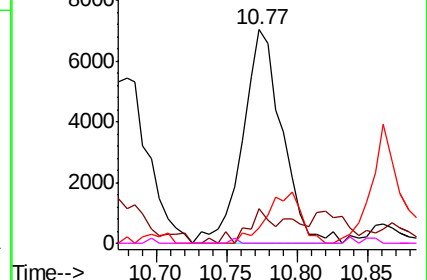
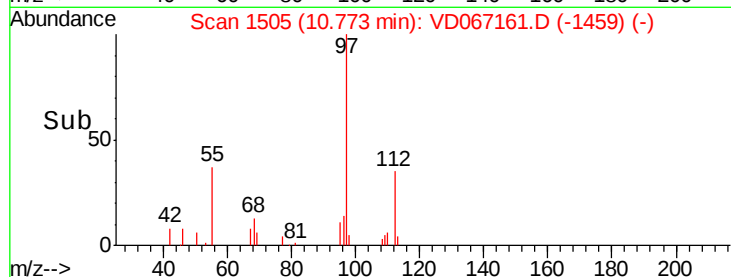


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 1.331 ug/l

RT: 10.68 min Scan# 1489

Delta R.T. 0.02 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

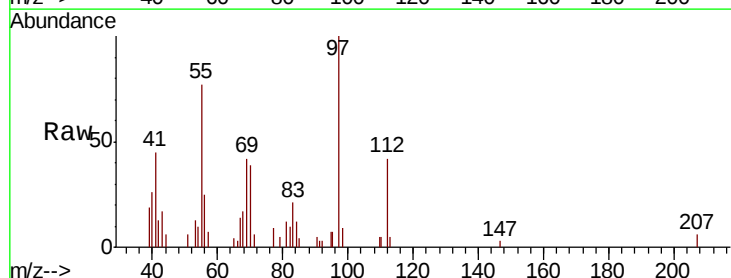
Tgt Ion: 69 Resp: 3877

Ion Ratio Lower Upper

69 100

41 109.9 46.4 69.6#

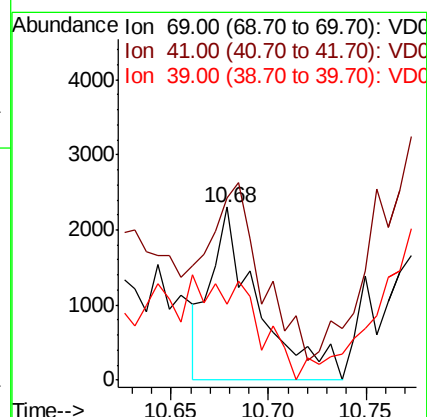
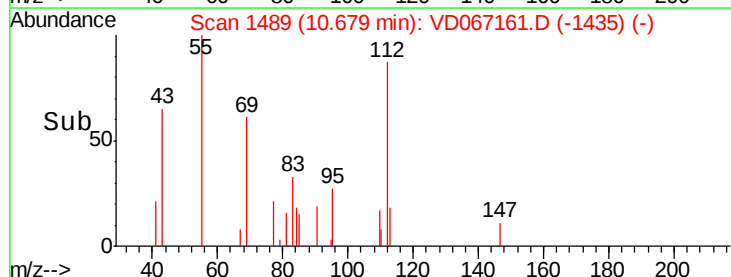
39 0.0 23.8 35.6#

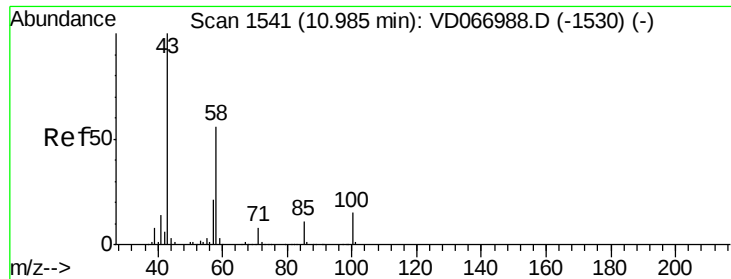


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

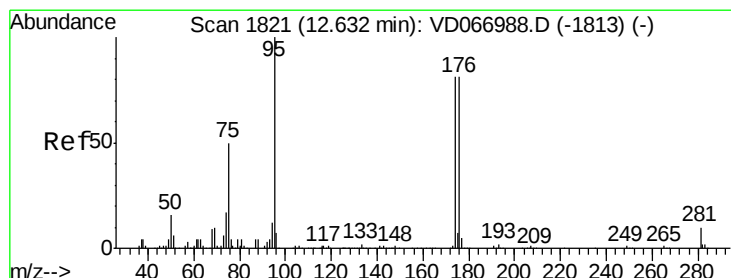
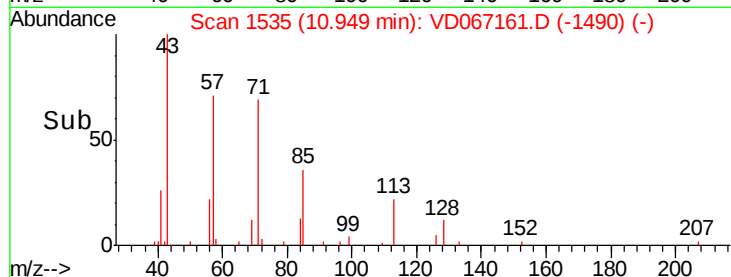
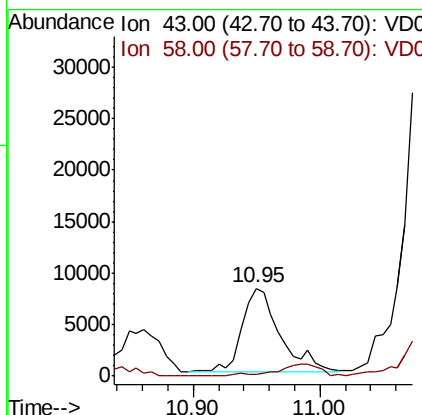
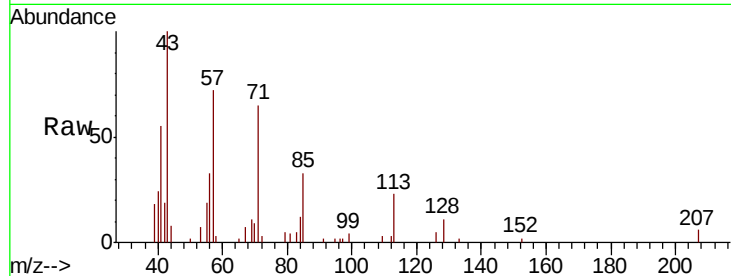




#59
2-Hexanone
Concen: 15.054 ug/l
RT: 10.95 min Scan# 1535
Delta R.T. -0.04 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

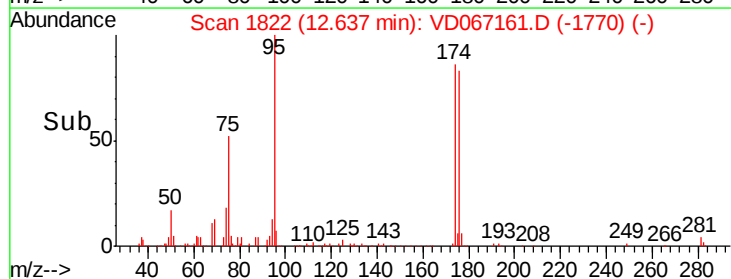
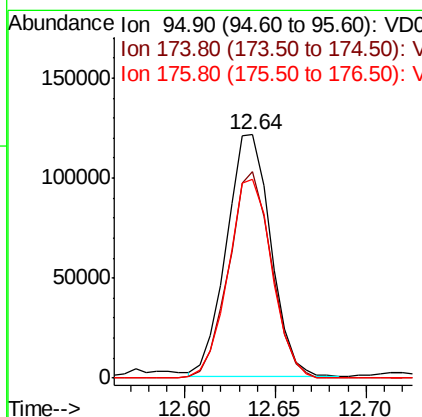
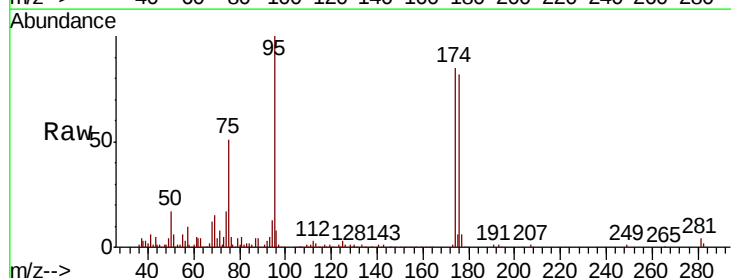
Instrument :
MSVOA_D
ClientSampleId :
49-93

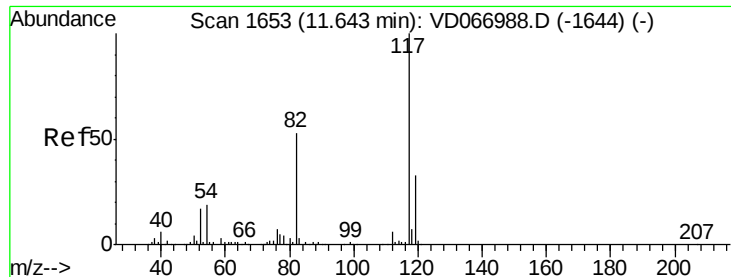
Tot Ion: 43 Resp: 17280
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 43.804 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion: 95 Resp: 205903
Ion Ratio Lower Upper
95 100
174 82.3 0.0 167.6
176 81.2 0.0 162.4

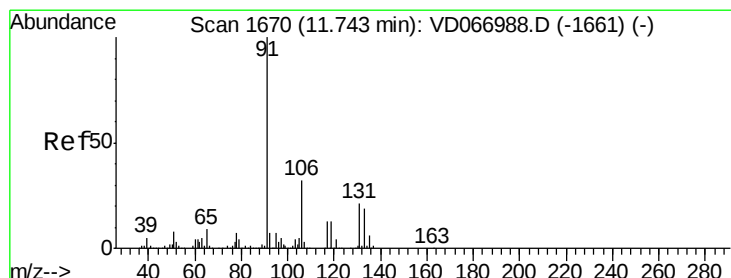
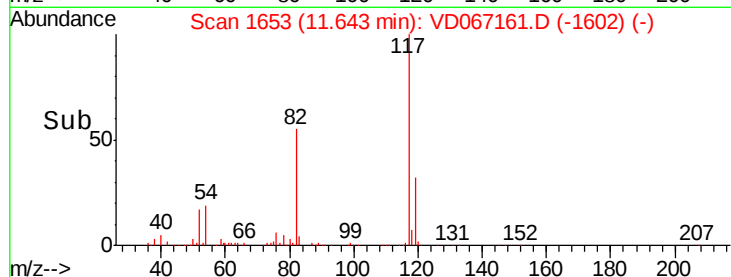
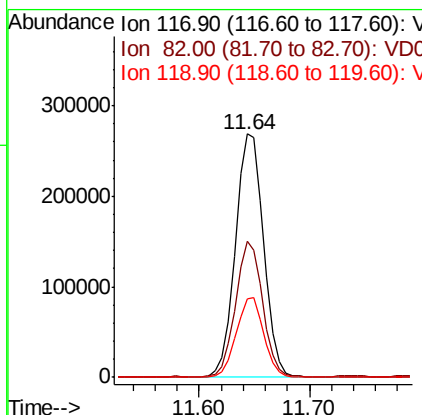
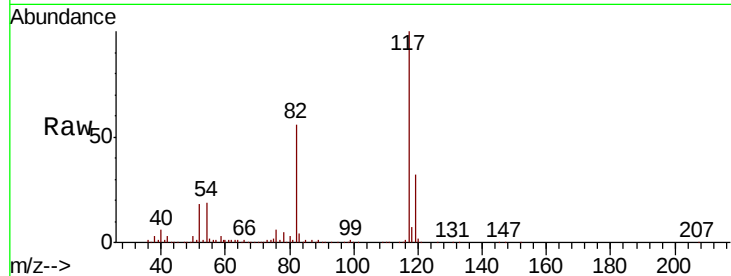




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

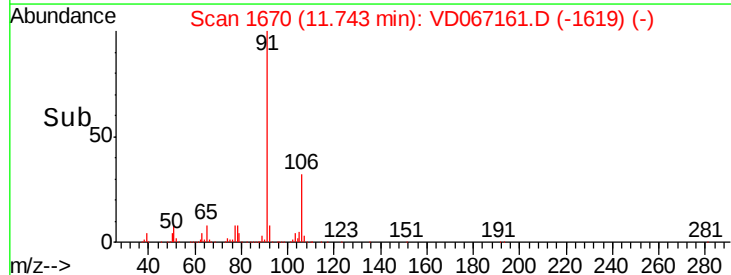
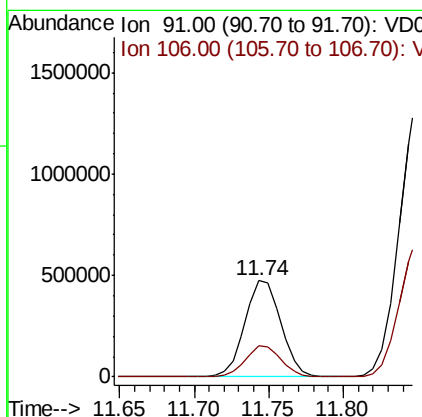
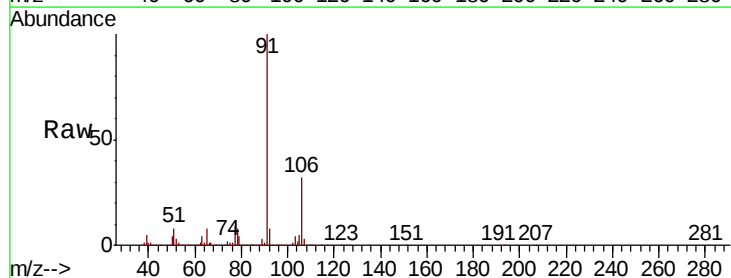
Instrument :
MSVOA_D
ClientSampleId :
49-93

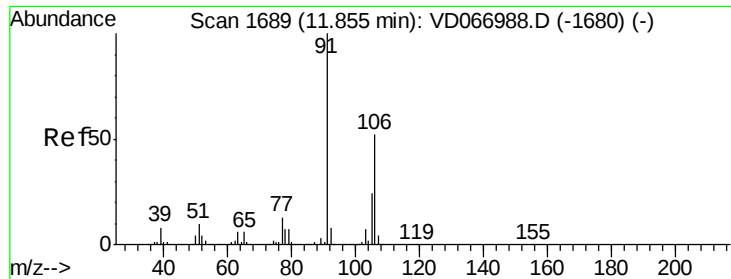
Tot Ion:117 Resp: 481939
Ion Ratio Lower Upper
117 100
82 55.3 42.6 63.8
119 32.1 26.3 39.5



#67
Ethyl Benzene
Concen: 48.341 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion: 91 Resp: 793918
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2

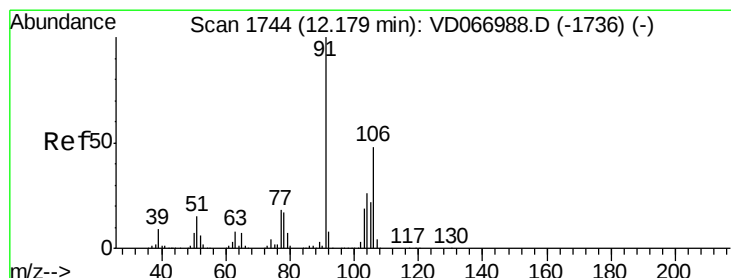
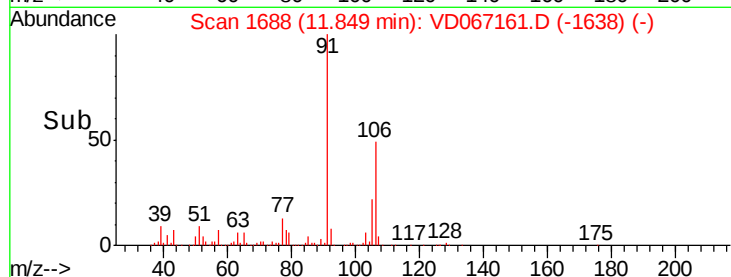
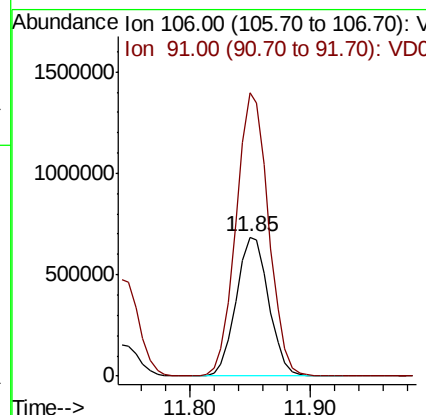
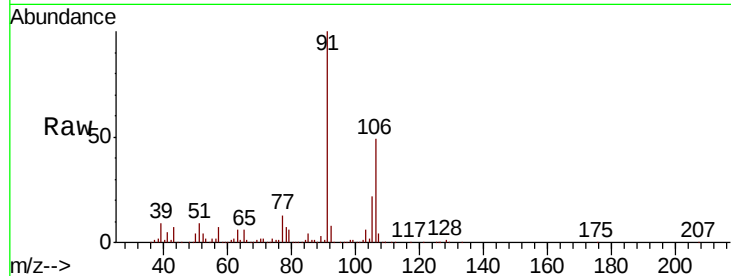




#68
m/p-Xylenes
Concen: 201.596 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

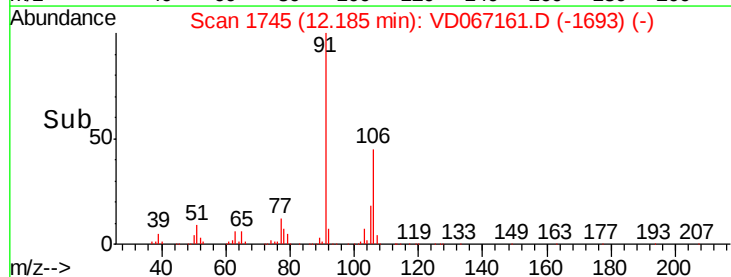
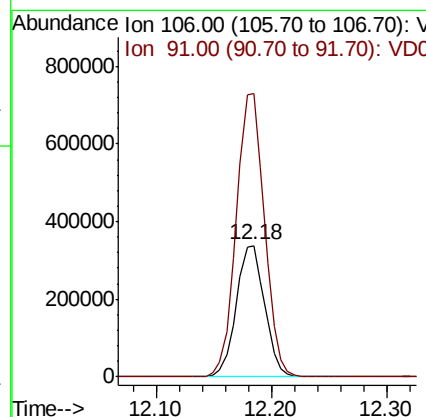
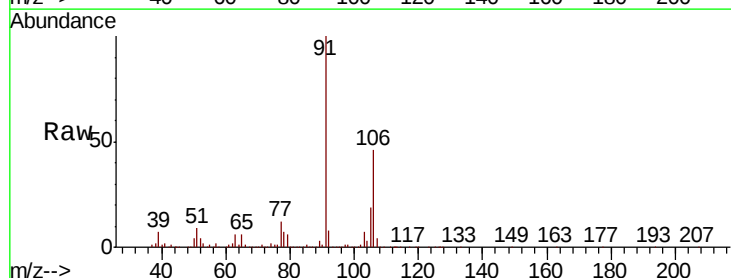
Instrument :
MSVOA_D
ClientSampleId :
49-93

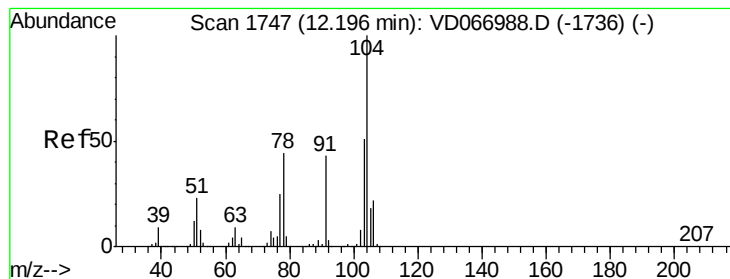
Tot Ion:106 Resp: 1290287
Ion Ratio Lower Upper
106 100
91 202.1 158.4 237.6



#69
o-Xylene
Concen: 100.440 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion:106 Resp: 574871
Ion Ratio Lower Upper
106 100
91 215.0 102.4 307.2





#70

Stvrene

Concen: 4.205 ug/l

RT: 12.18 min Scan# 1744

Delta R.T. -0.02 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

49-93

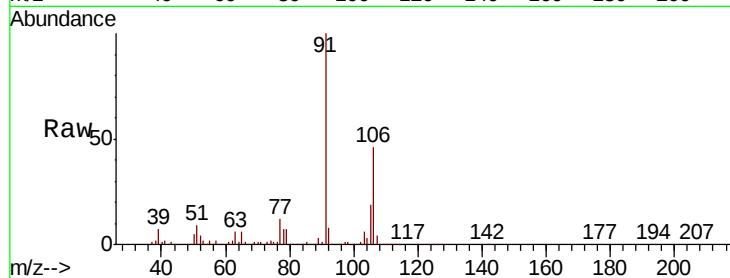
Tot Ion:104 Resp: 41332

Ion Ratio Lower Upper

104 100

78 224.6 38.6 58.0#

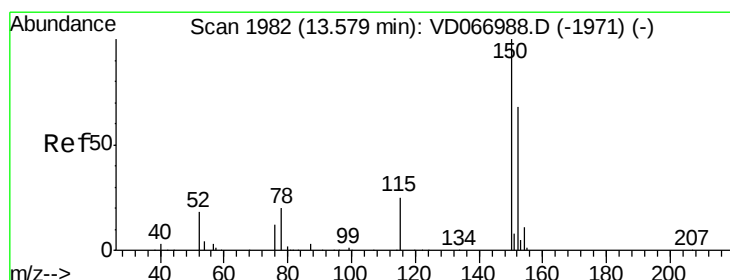
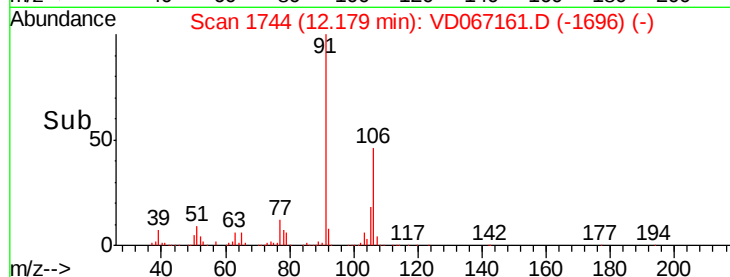
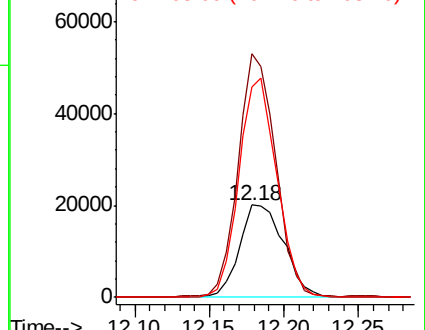
103 203.6 43.4 65.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VD

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

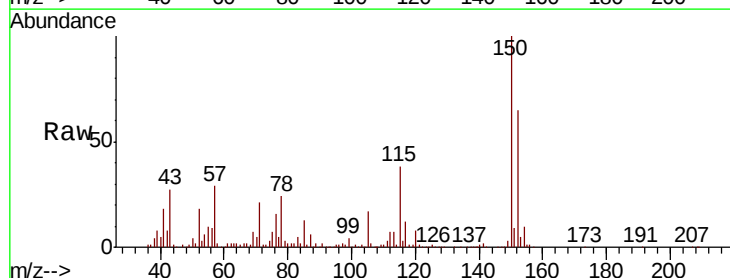
Tgt Ion:152 Resp: 192352

Ion Ratio Lower Upper

152 100

115 80.3 29.6 88.8

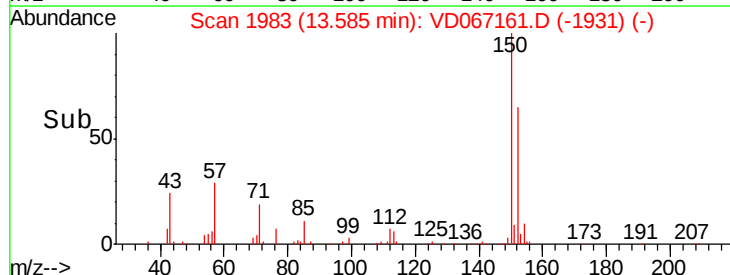
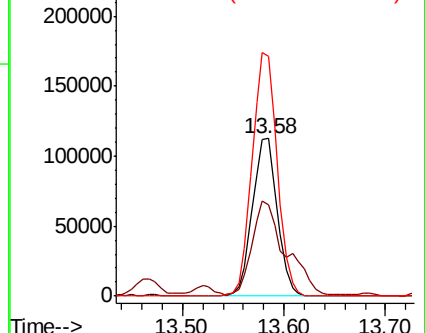
150 154.6 0.0 344.8

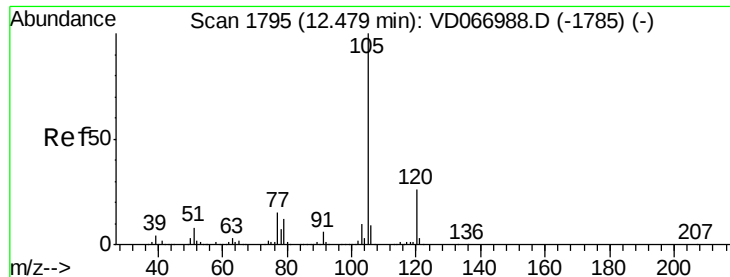


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 12.940 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampled :

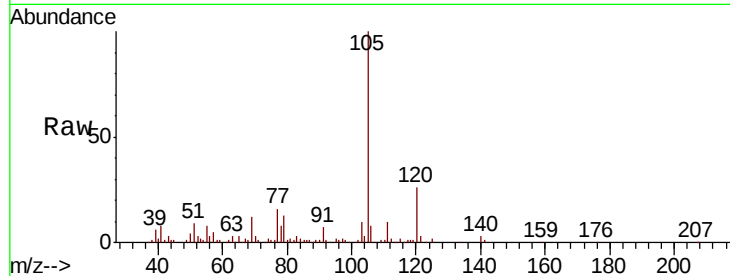
49-93

Tot Ion:105 Resp: 169014

Ion Ratio Lower Upper

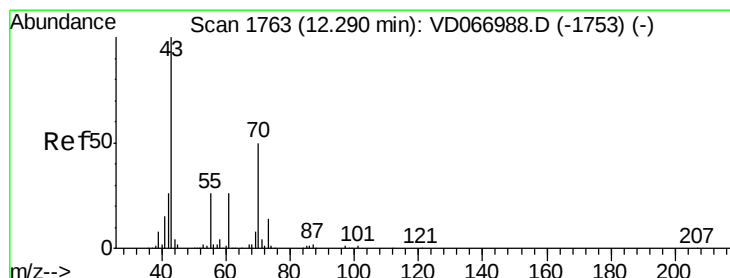
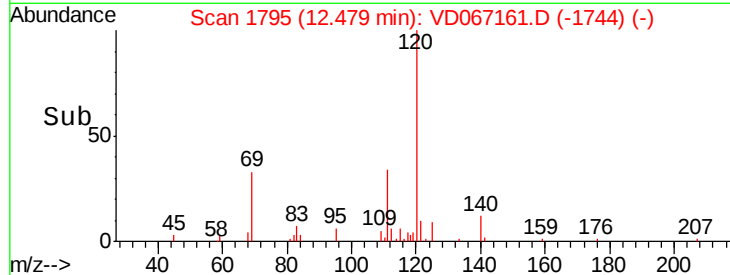
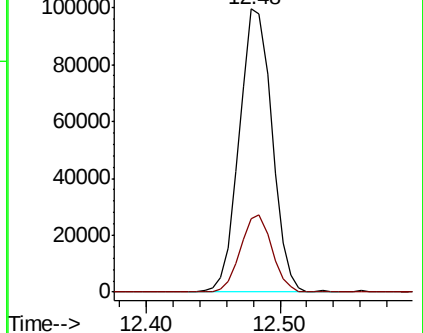
105 100

120 26.2 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: 20.571 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Tgt Ion: 43 Resp: 48300

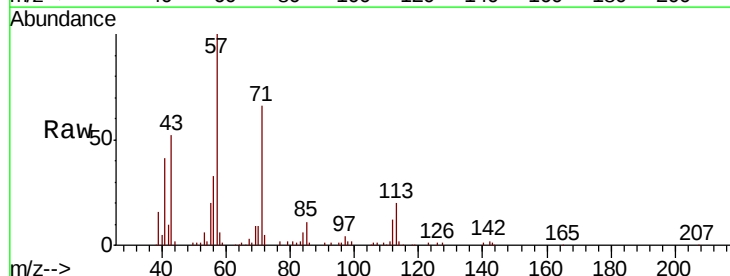
Ion Ratio Lower Upper

43 100

70 14.6 38.2 57.2#

55 22.8 22.4 33.6

61 0.0 20.6 31.0#

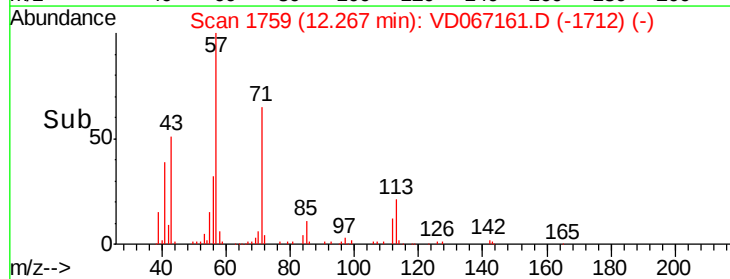
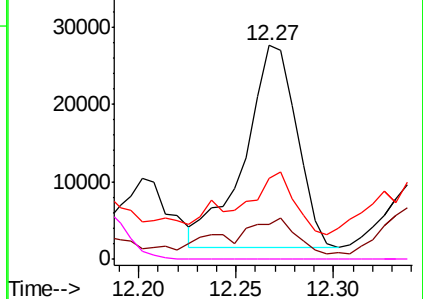


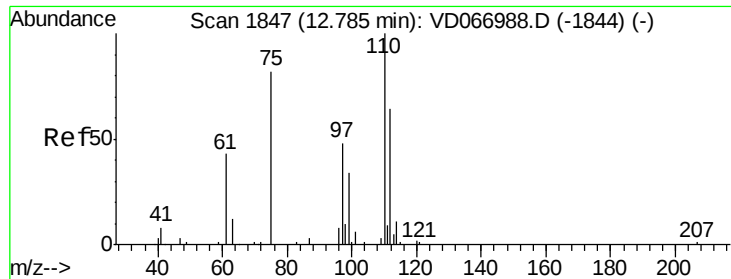
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#76

1,2,3-Trichloropropane

Concen: 2.432 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.04 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampled :

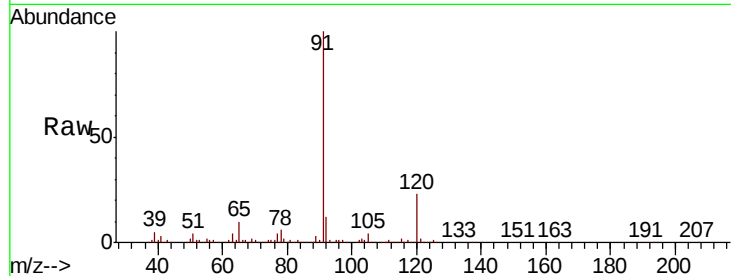
49-93

Tot Ion: 75 Resp: 4075

Ion Ratio Lower Upper

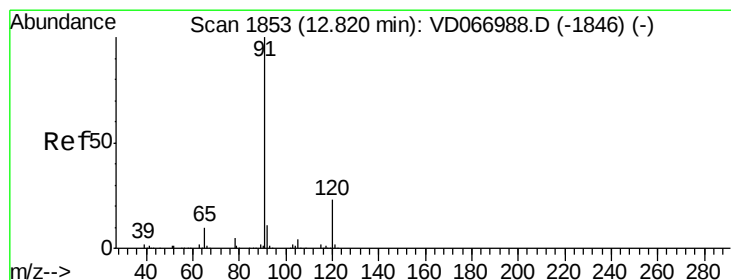
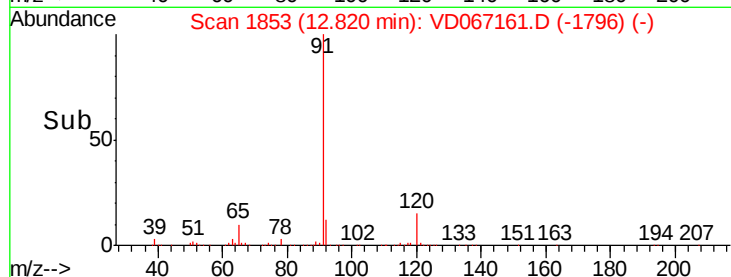
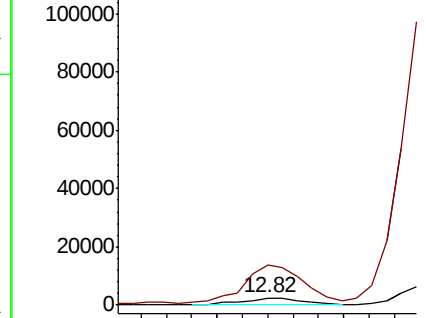
75 100

77 513.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#78

n-propylbenzene

Concen: 35.273 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067161.D

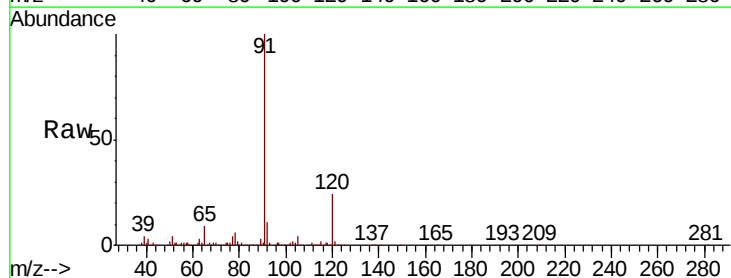
Acq: 07 Oct 2020 19:14

Tgt Ion: 91 Resp: 544462

Ion Ratio Lower Upper

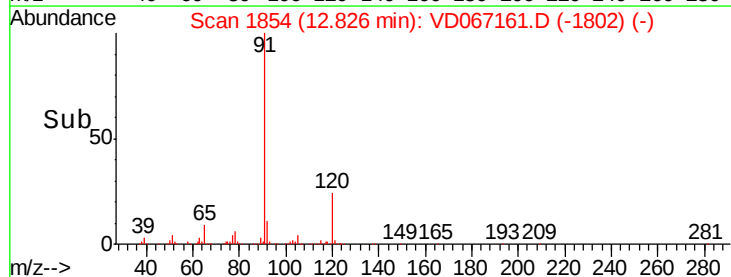
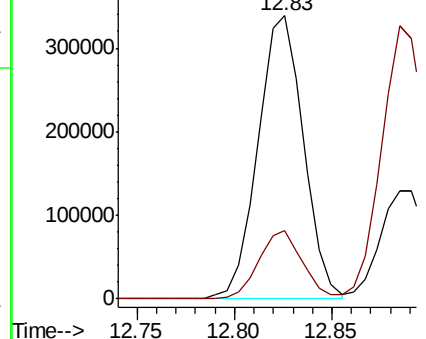
91 100

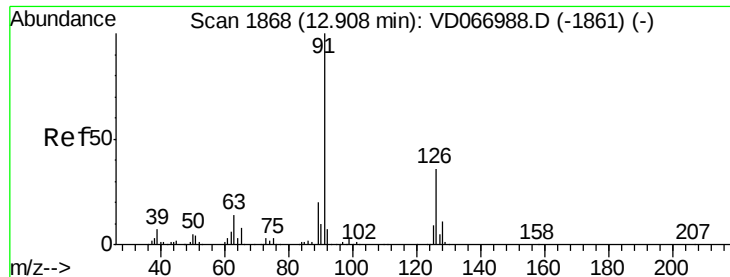
120 23.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC

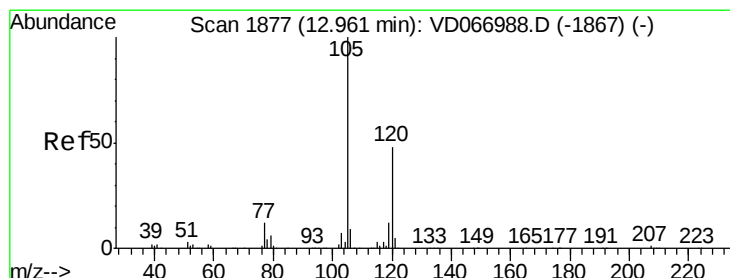
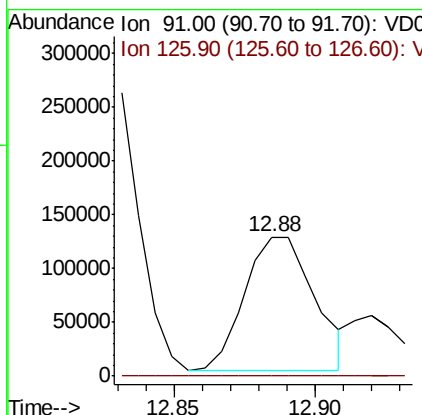
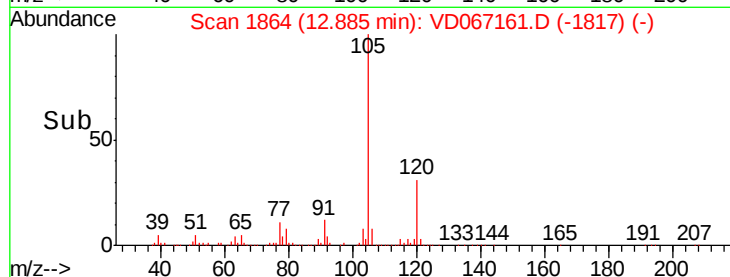
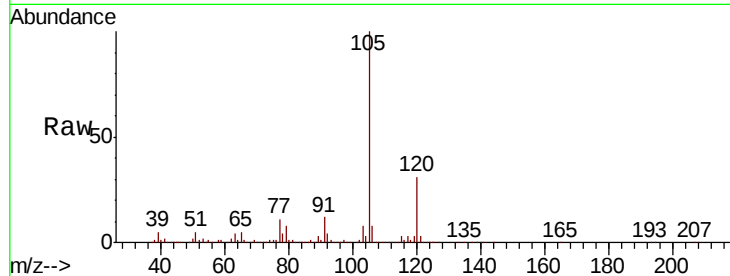




#79
 2-Chlorotoluene
 Concen: 23.989 ug/l
 RT: 12.88 min Scan# 1864
 Delta R.T. -0.02 min
 Lab File: VD067161.D
 Acq: 07 Oct 2020 19:14

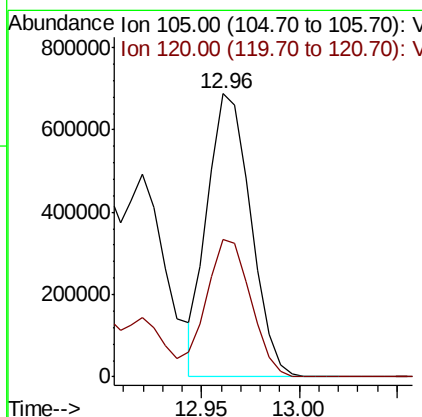
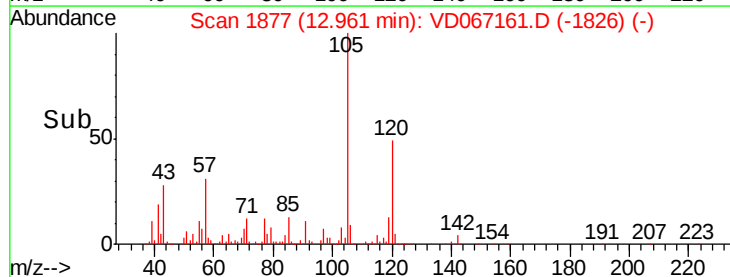
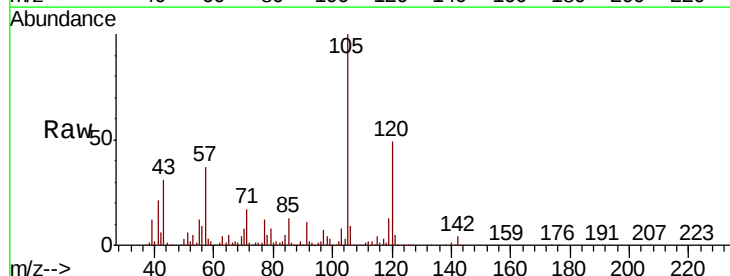
Instrument :
 MSVOA_D
 ClientSampleId :
 49-93

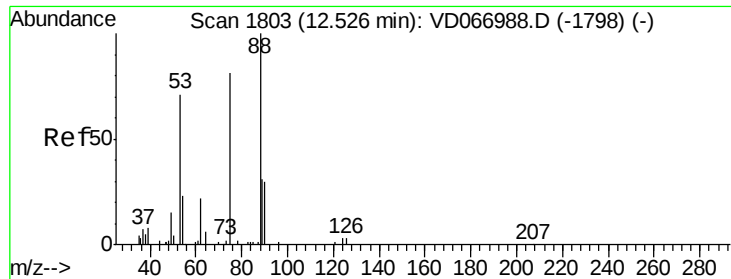
Tot Ion: 91 Resp: 211856
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.5 52.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 95.922 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067161.D
 Acq: 07 Oct 2020 19:14

Tgt Ion: 105 Resp: 1058501
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 156.763 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

49-93

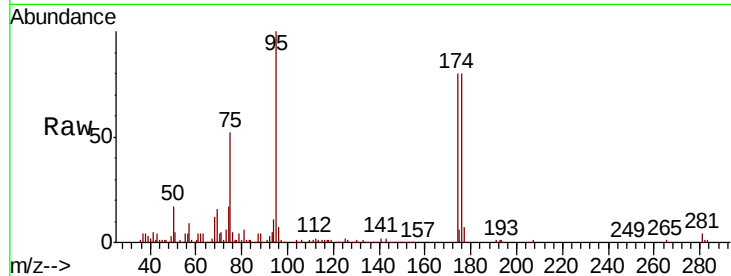
Tot Ion: 75 Resp: 105349

Ion Ratio Lower Upper

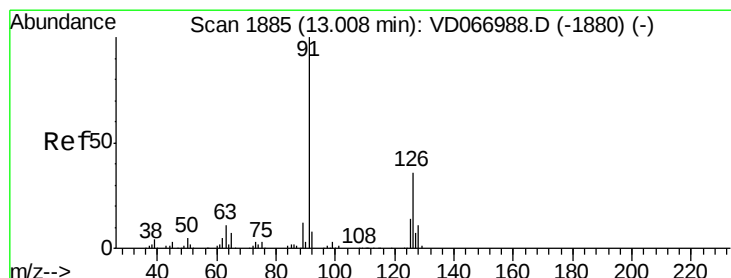
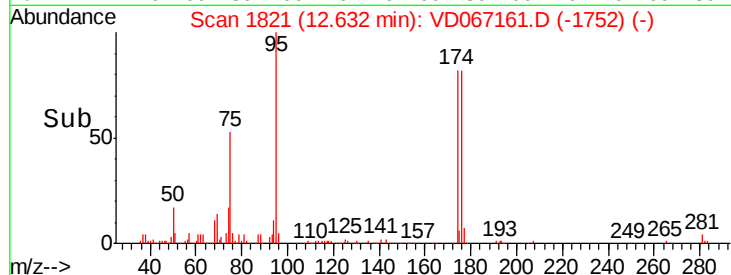
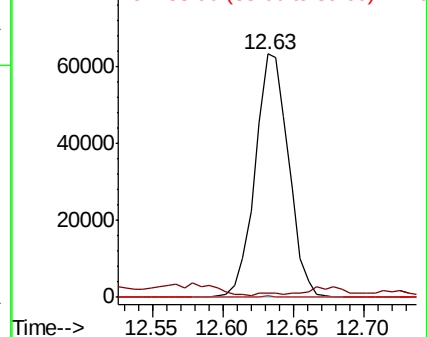
75 100

53 0.7 73.8 110.6#

89 0.0 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 12.959 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.05 min

Lab File: VD067161.D

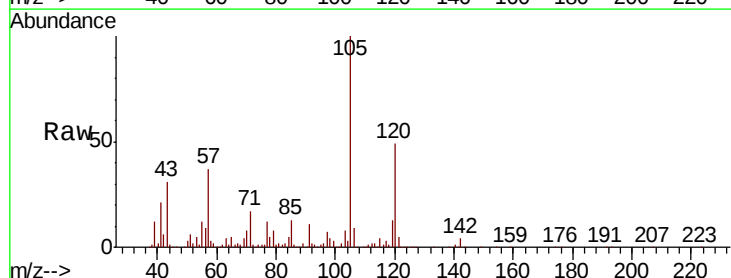
Acq: 07 Oct 2020 19:14

Tgt Ion: 91 Resp: 121766

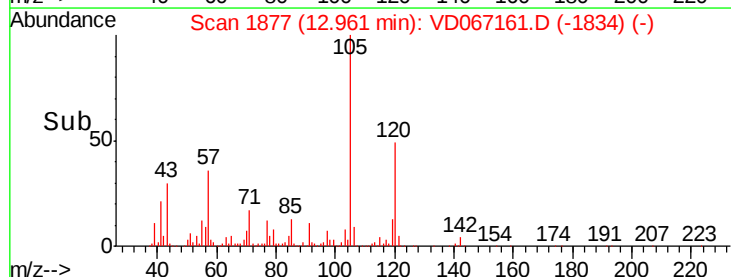
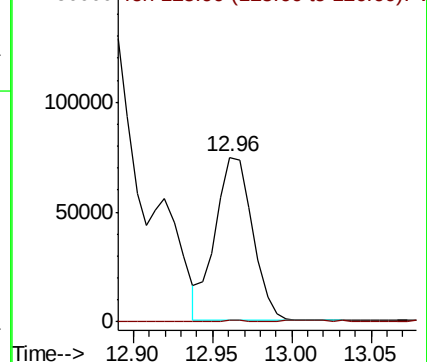
Ion Ratio Lower Upper

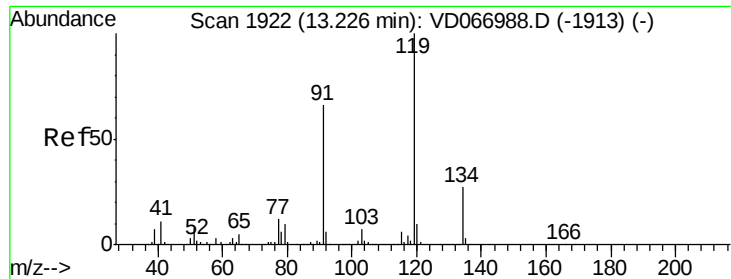
91 100

126 1.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

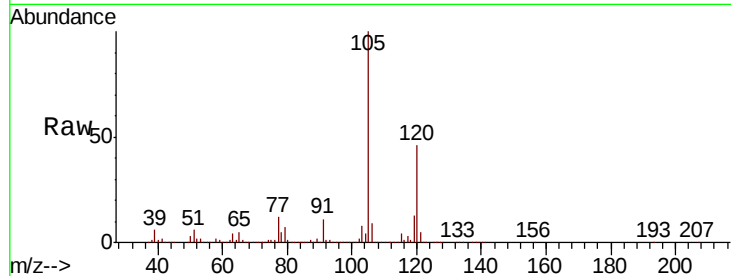




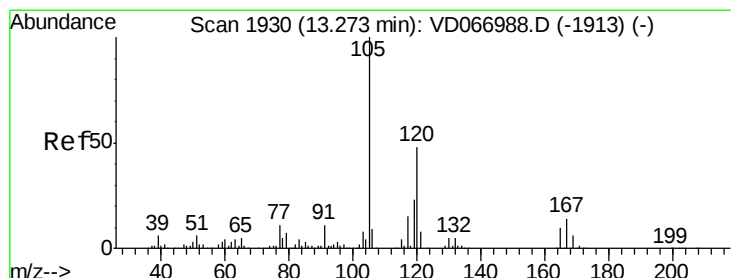
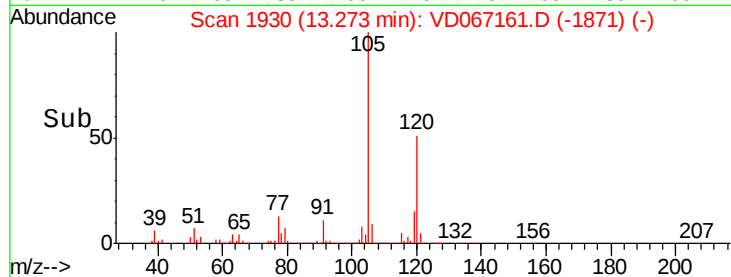
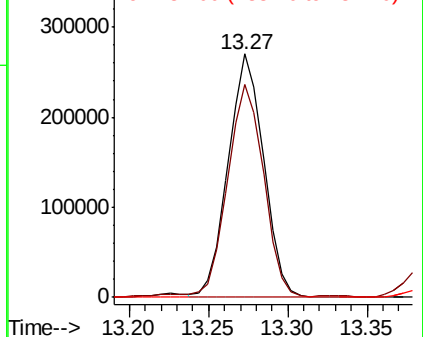
#83
tert-Butylbenzene
Concen: 45.060 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.05 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Instrument :
MSVOA_D
ClientSampled :
49-93

Tot Ion:119 Resp: 418717
Ion Ratio Lower Upper
119 100
91 89.7 32.8 98.3
134 0.0 13.9 41.7#

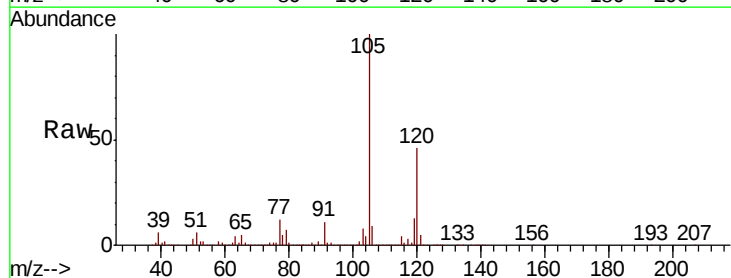


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

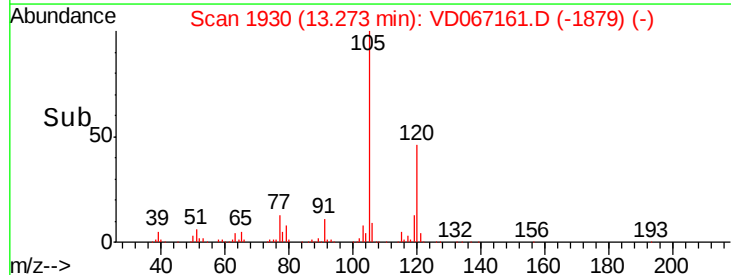
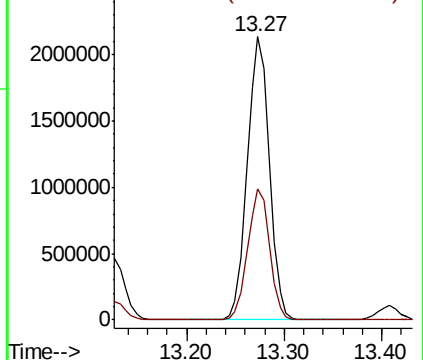


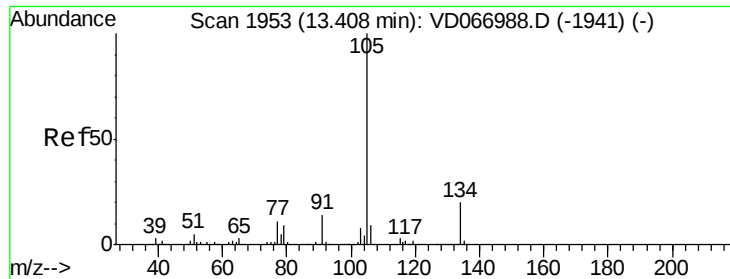
#84
1,2,4-Trimethylbenzene
Concen: 306.910 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion:105 Resp: 3379845
Ion Ratio Lower Upper
105 100
120 46.1 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

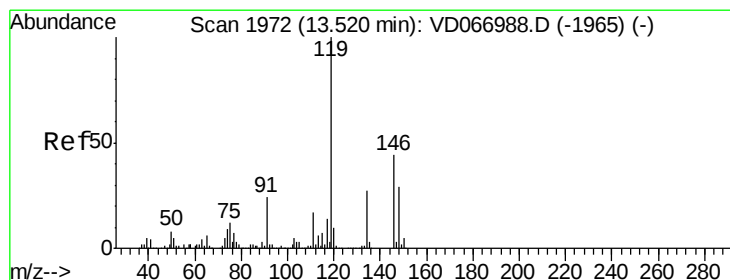
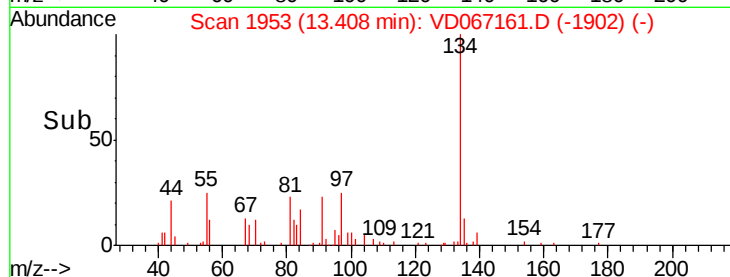
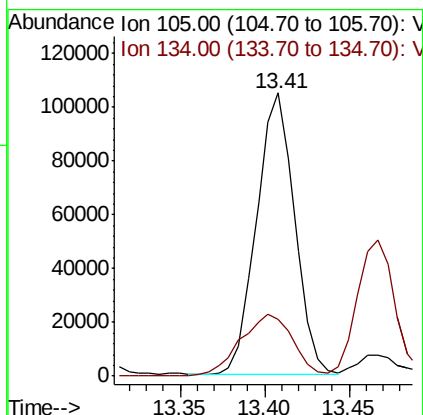
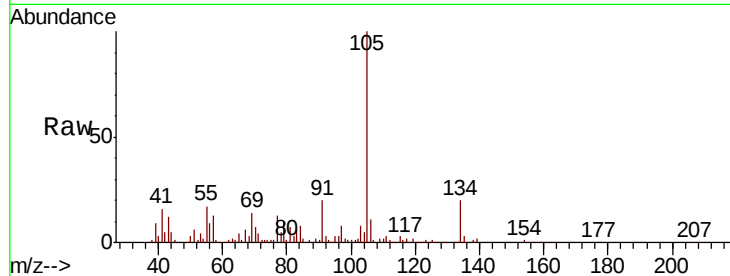




#85
 sec-Butylbenzene
 Concen: 12.572 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067161.D
 Acq: 07 Oct 2020 19:14

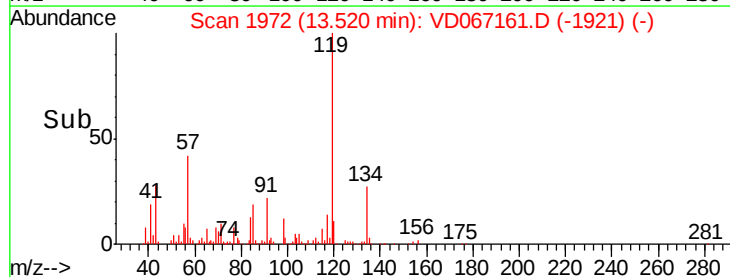
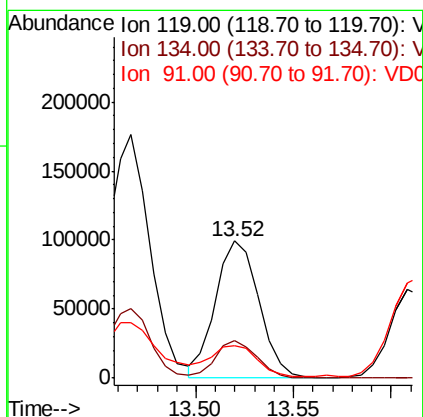
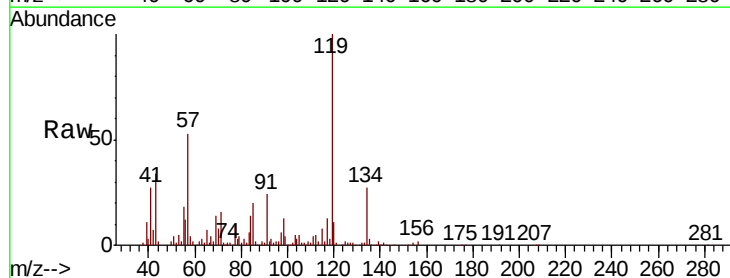
Instrument :
 MSVOA_D
 ClientSampleId :
 49-93

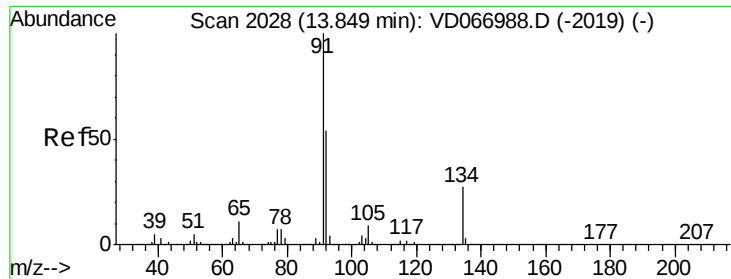
Tot Ion:105 Resp: 164524
 Ion Ratio Lower Upper
 105 100
 134 30.2 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 12.593 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067161.D
 Acq: 07 Oct 2020 19:14

Tgt Ion:119 Resp: 152784
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.1 39.1
 91 26.0 11.7 35.1

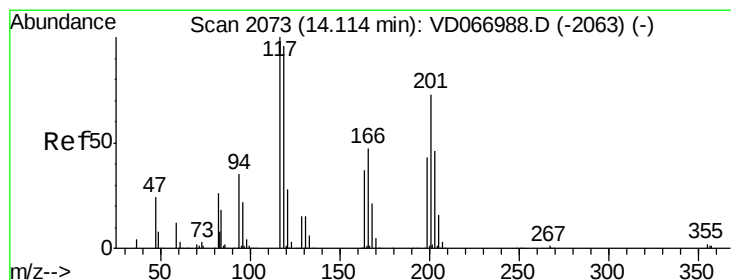
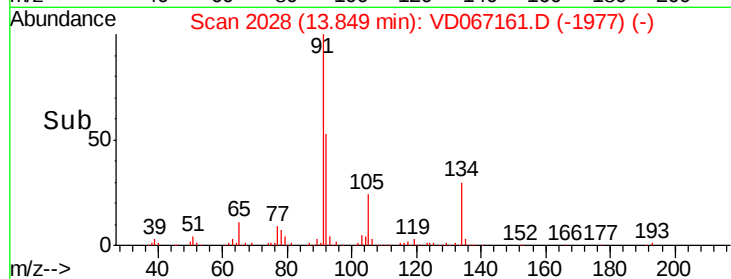
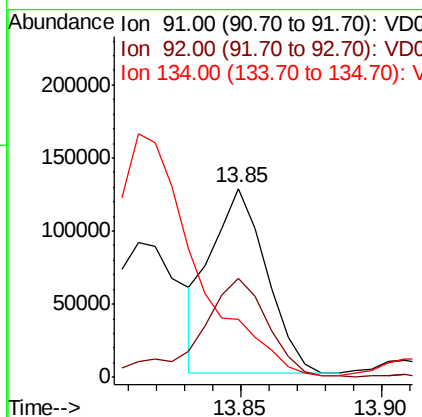
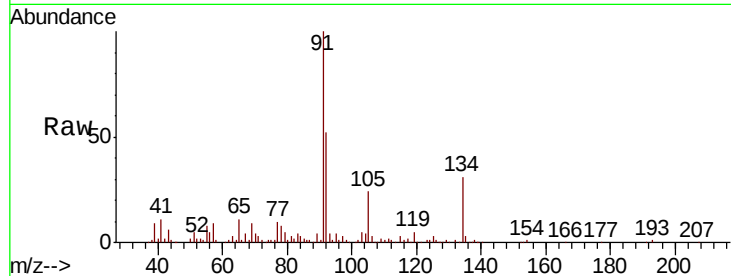




#89
n-Butylbenzene
Concen: 15.568 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

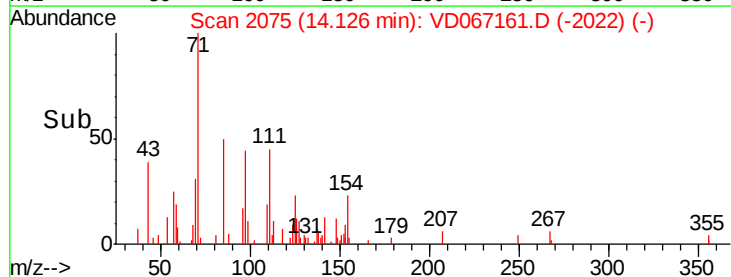
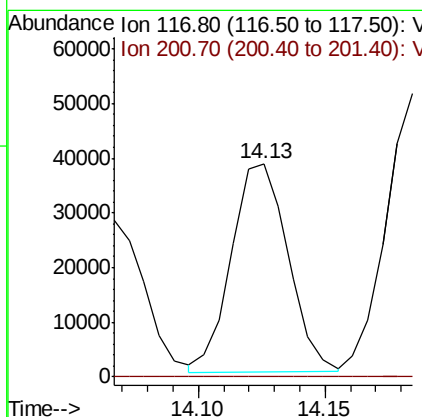
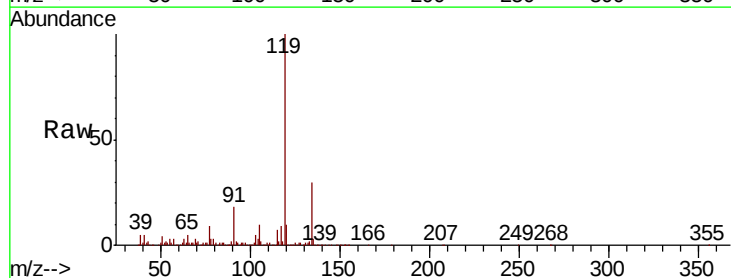
Instrument :
MSVOA_D
ClientSampled :
49-93

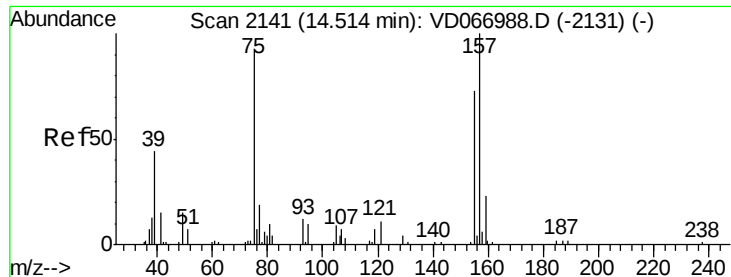
Tot Ion: 91 Resp: 172617
Ion Ratio Lower Upper
91 100
92 64.8 27.1 81.2
134 0.0 13.6 40.8#



#90
Hexachloroethane
Concen: 27.748 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD067161.D
Acq: 07 Oct 2020 19:14

Tgt Ion: 117 Resp: 58969
Ion Ratio Lower Upper
117 100
201 0.0 37.0 110.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.101 ug/l

RT: 14.54 min Scan# 2145

Delta R.T. 0.02 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampled :

49-93

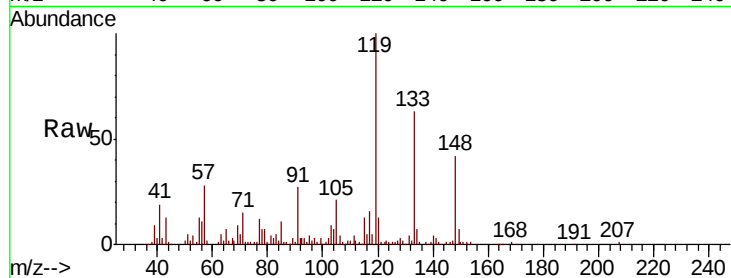
Tot Ion: 75 Resp: 1100

Ion Ratio Lower Upper

75 100

155 17.9 45.2 135.6#

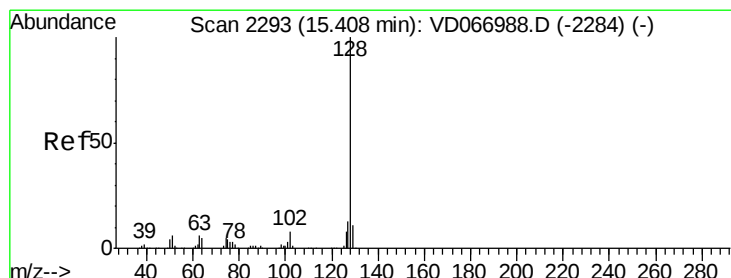
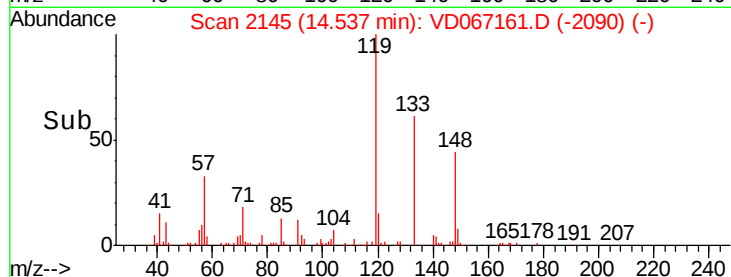
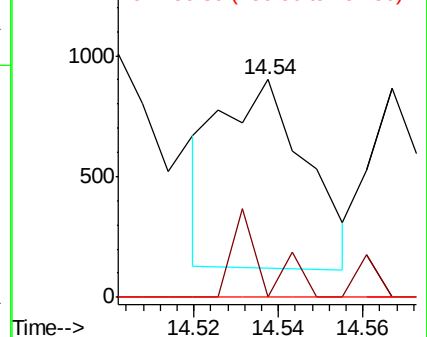
157 0.0 56.3 168.8#



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



#95

Naphthalene

Concen: 51.107 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD067161.D

Acq: 07 Oct 2020 19:14

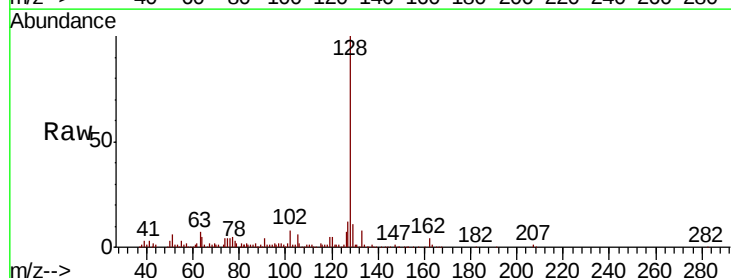
Tgt Ion:128 Resp: 295810

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 11.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

