

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066579.D
 Acq On : 09 Sep 2020 13:24
 Operator : VA/SY
 Sample : L3876-09
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1495-96RE

Quant Time: Sep 09 14:21:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	459490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	193484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	15987	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	202932	69.77	ug/l	0.00
Spiked Amount			Recovery	=	139.54%	
35) Dibromofluoromethane	7.91	113	184228	59.43	ug/l	0.00
Spiked Amount			Recovery	=	118.86%	
50) Toluene-d8	10.34	98	360889	32.57	ug/l	0.00
Spiked Amount			Recovery	=	65.14%	
62) 4-Bromofluorobenzene	12.63	95	43193	11.76	ug/l	0.00
Spiked Amount			Recovery	=	23.52%	

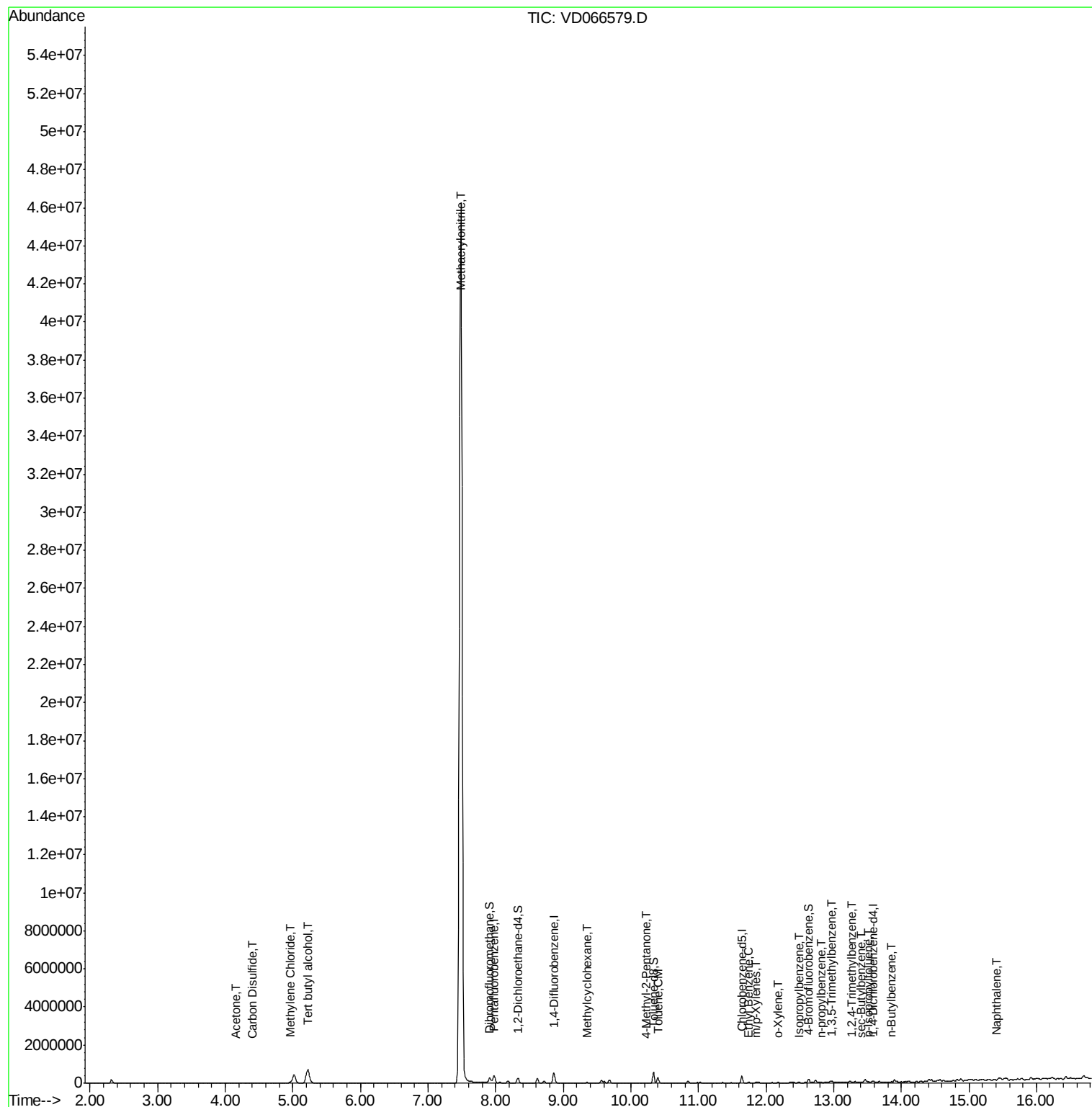
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	1319308	8806.649	ug/l	96
16) Acetone	4.16	43	6623	12.376	ug/l #	83
17) Carbon Disulfide	4.41	76	16065	2.018	ug/l #	84
20) Methylene Chloride	4.96	84	29031	3.845	ug/l	93
39) Methylcyclohexane	9.35	83	9522	1.783	ug/l	96
41) Methacrylonitrile	7.48	41	26376561	28616.844	ug/l #	43
51) 4-Methyl-2-Pentanone	10.23	43	4377	2.378	ug/l	98
52) Toluene	10.40	92	121075	14.605	ug/l	99
67) Ethyl Benzene	11.74	91	11530	1.572	ug/l	99
68) m/p-Xylenes	11.85	106	11088	4.073	ug/l	79
69) o-Xylene	12.18	106	4811	1.972	ug/l	90
73) Isopropylbenzene	12.48	105	10920	9.226	ug/l	98
78) n-propylbenzene	12.83	91	7923	5.522	ug/l	94
80) 1,3,5-Trimethylbenzene	12.96	105	9419	9.454	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	16888	17.026	ug/l	99
85) sec-Butylbenzene	13.41	105	8794	7.503	ug/l #	77
86) p-Isopropyltoluene	13.51	119	11391	10.797	ug/l	91
89) n-Butylbenzene	13.84	91	4779	4.649	ug/l #	72
95) Naphthalene	15.41	128	12001	24.990	ug/l #	94

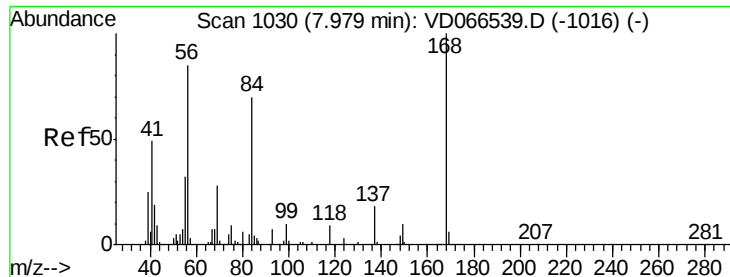
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066579.D

Acq: 09 Sep 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

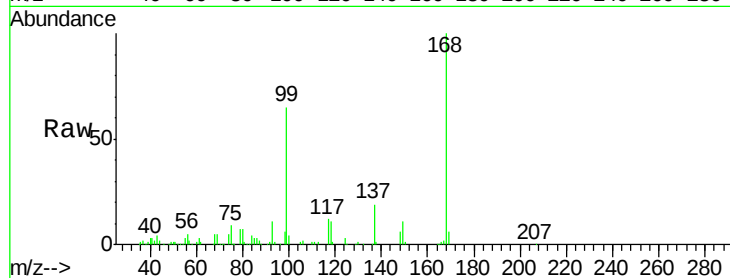
1495-96RE

Tot Ion:168 Resp: 240388

Ion Ratio Lower Upper

168 100

99 64.2 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

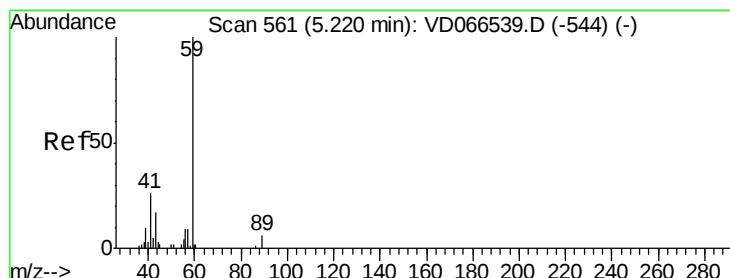
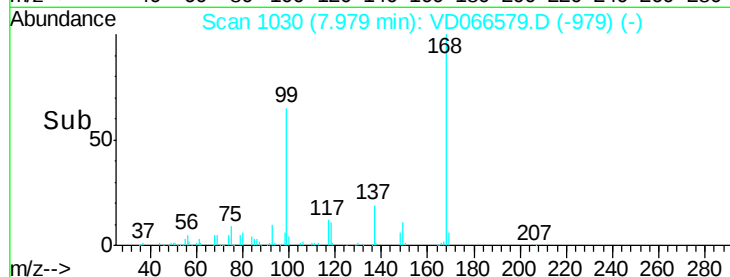
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 8806.649 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD066579.D

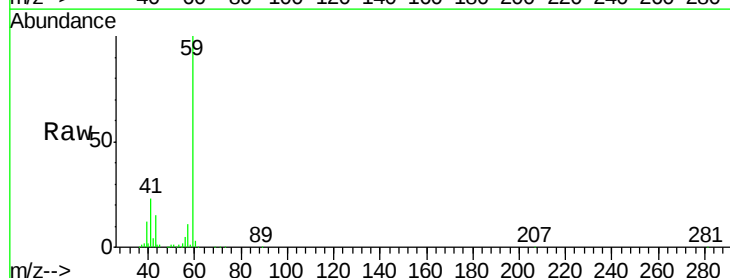
Acq: 09 Sep 2020 13:24

Tgt Ion: 59 Resp: 1319308

Ion Ratio Lower Upper

59 100

57 10.9 7.6 11.4



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.22

400000

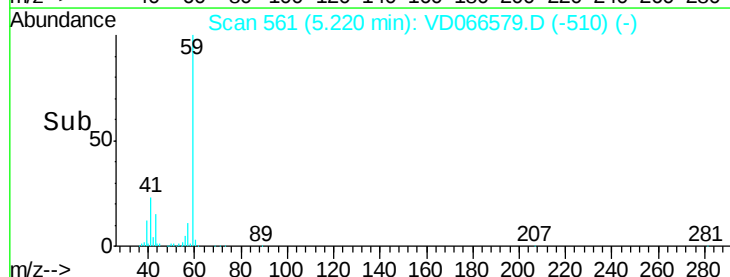
300000

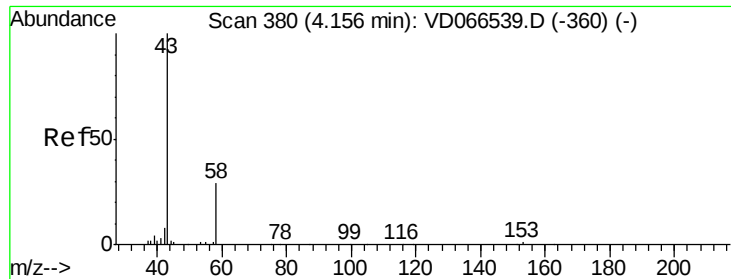
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100000

0

Time-->

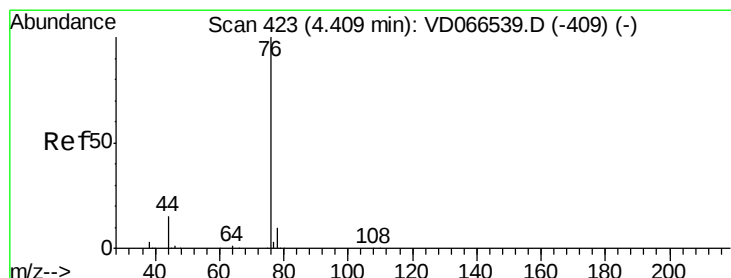
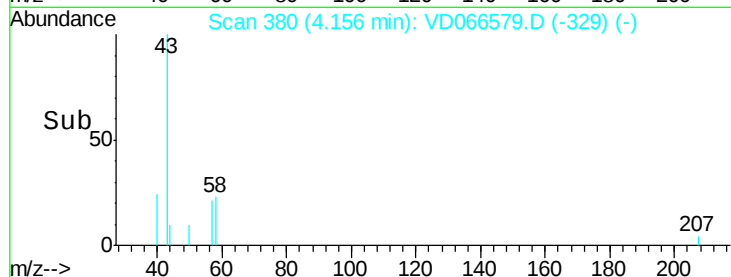
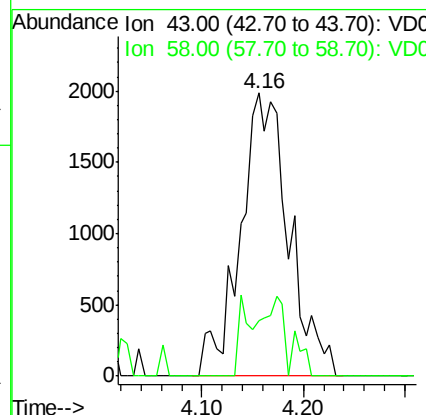
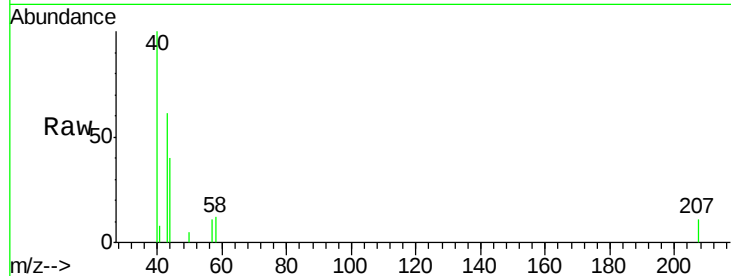




#16
Acetone
Concen: 12.376 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

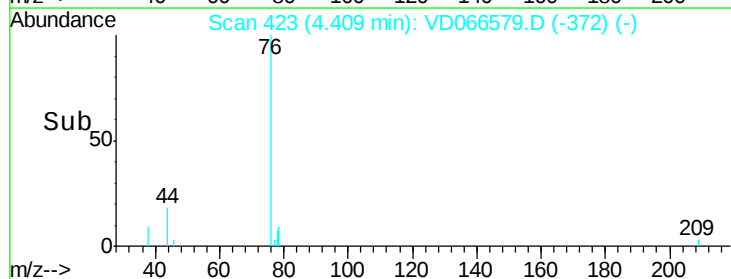
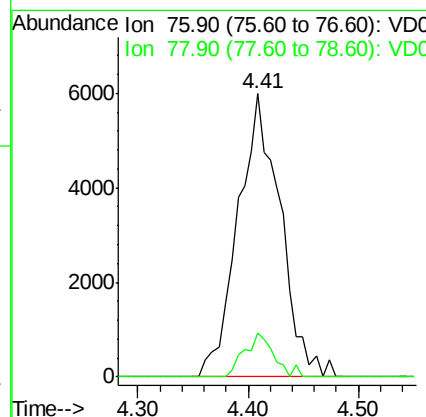
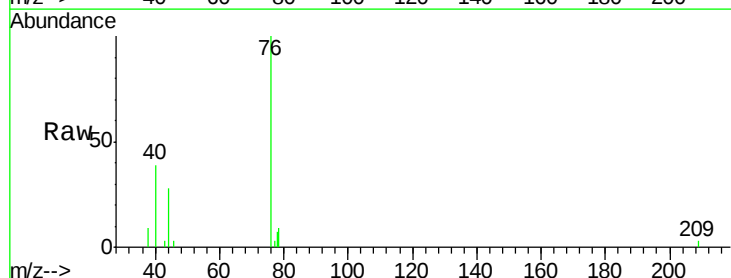
Instrument :
MSVOA_D
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1495-96RE

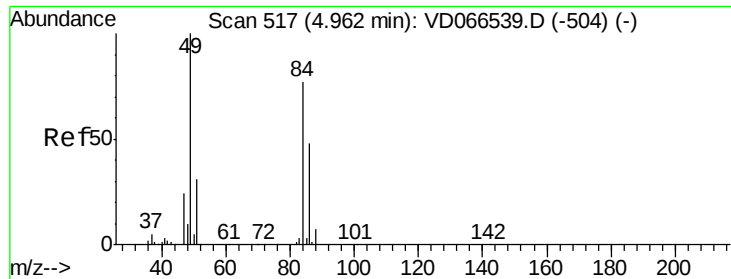
Tot Ion: 43 Resp: 6623
Ion Ratio Lower Upper
43 100
58 19.4 22.9 34.3#



#17
Carbon Disulfide
Concen: 2.018 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

Tgt Ion: 76 Resp: 16065
Ion Ratio Lower Upper
76 100
78 15.4 7.6 11.4#

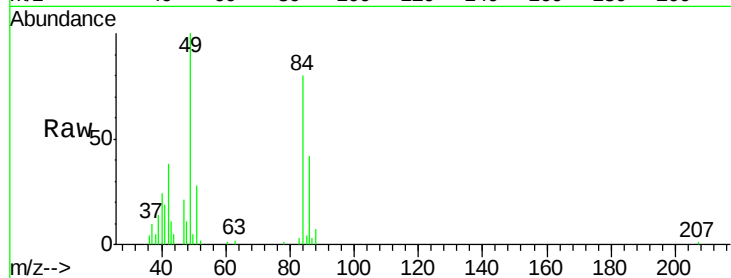




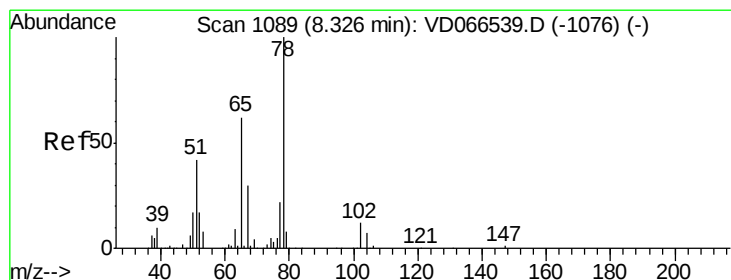
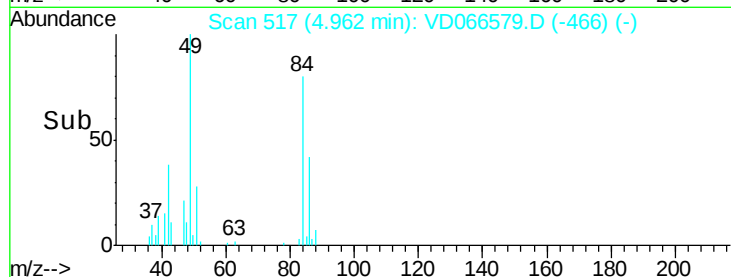
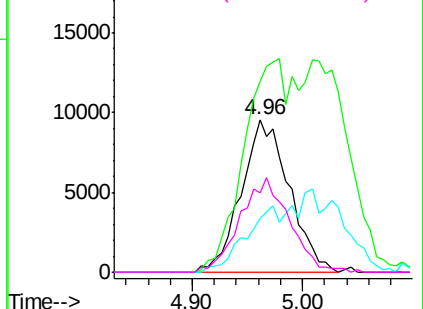
#20
Methylene Chloride
Concen: 3.845 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
1495-96RE

Tot Ion: 84 Resp: 29031
Ion Ratio Lower Upper
84 100
49 125.5 104.3 156.5
51 35.1 32.2 48.4
86 52.2 50.0 75.0

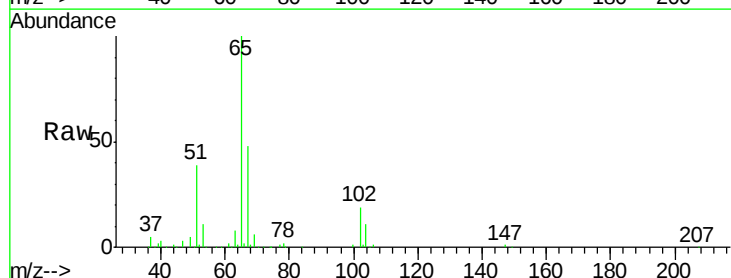


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

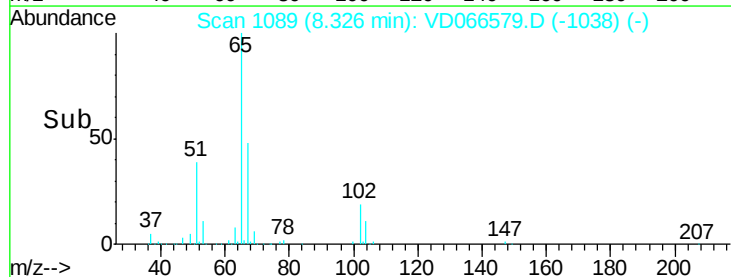
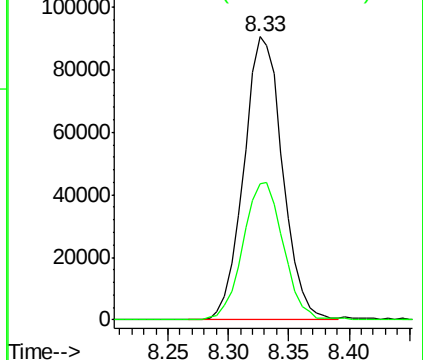


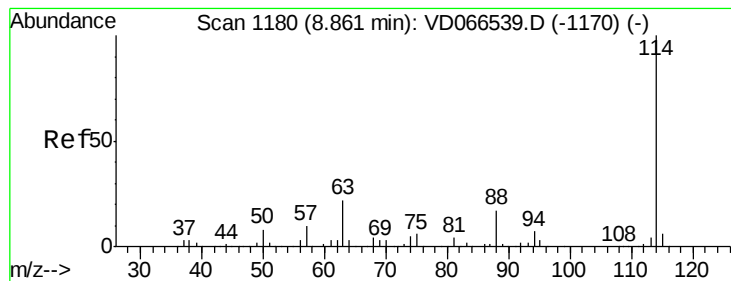
#33
1,2-Dichloroethane-d4
Concen: 69.773 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

Tgt Ion: 65 Resp: 202932
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.8



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: VD066579.D

Acq: 09 Sep 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

1495-96RE

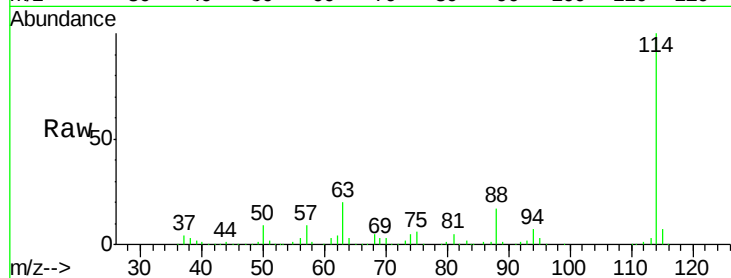
Tot Ion:114 Resp: 459490

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

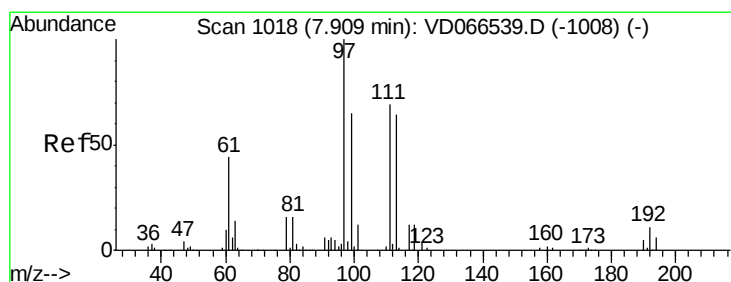
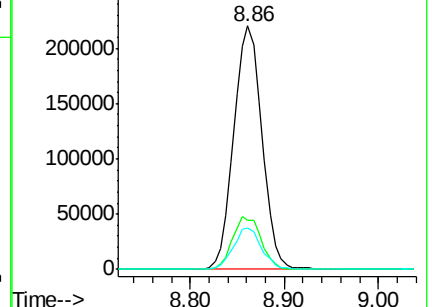
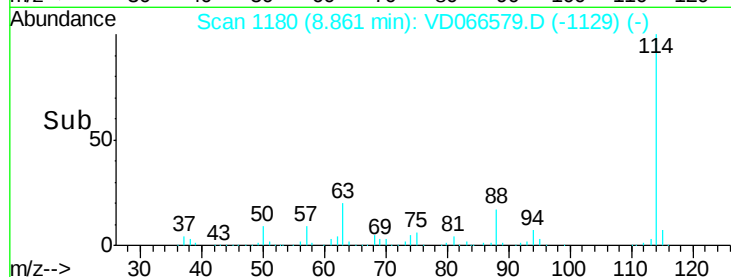
88 17.1 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 59.433 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066579.D

Acq: 09 Sep 2020 13:24

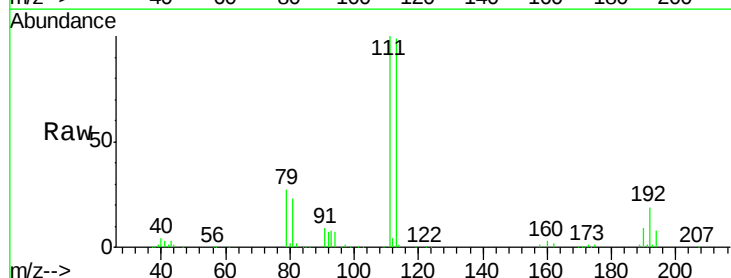
Tgt Ion:113 Resp: 184228

Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

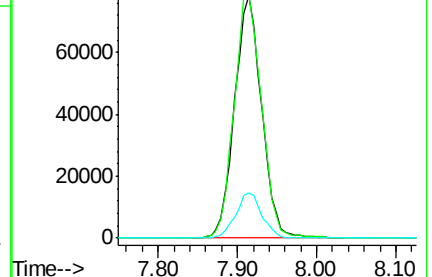
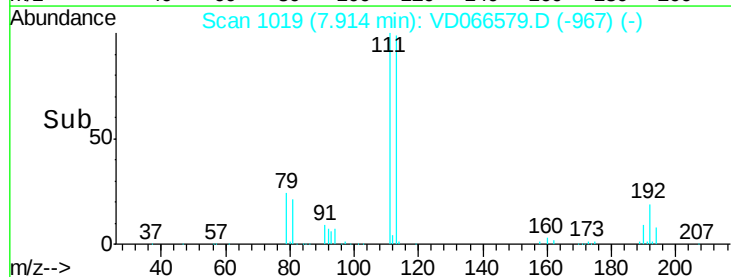
192 18.3 13.7 20.5

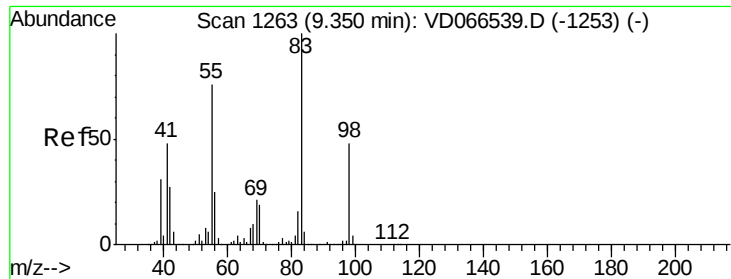


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

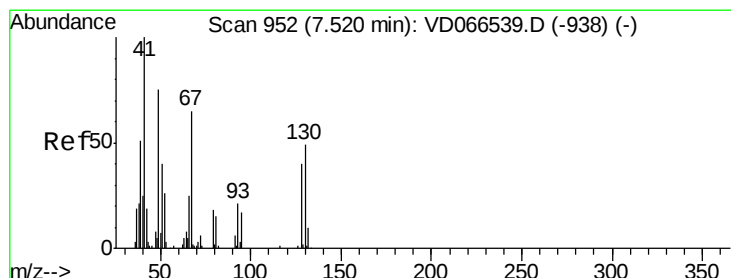
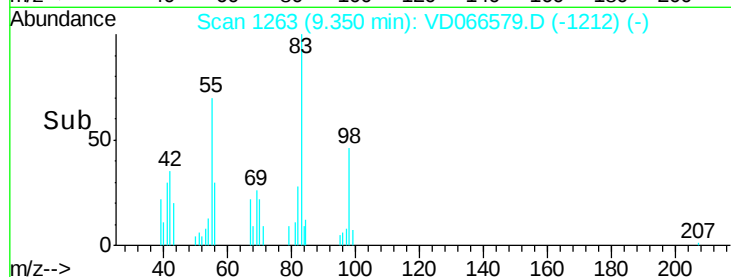
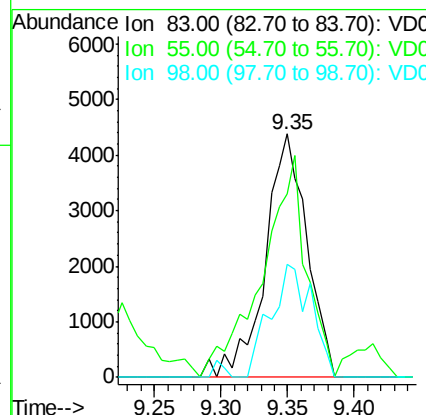
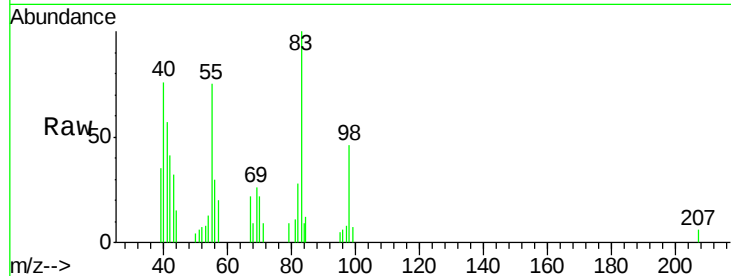




#39
Methylcyclohexane
Concen: 1.783 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

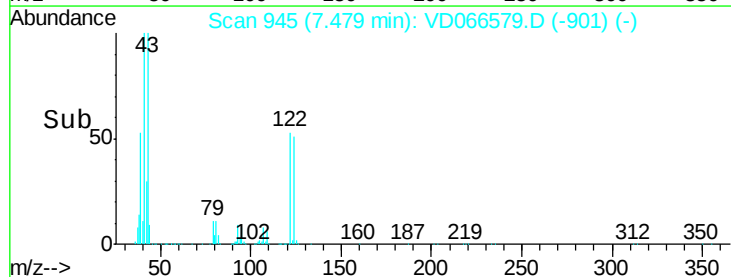
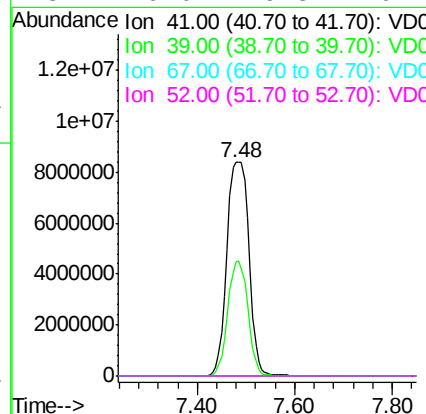
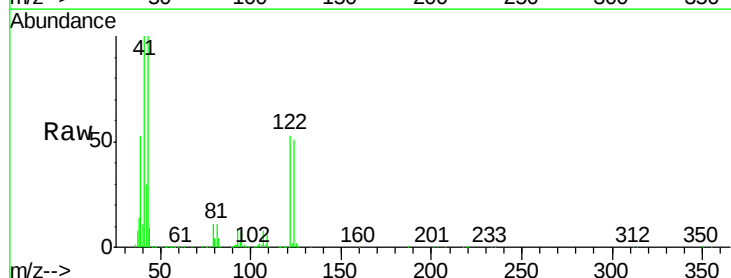
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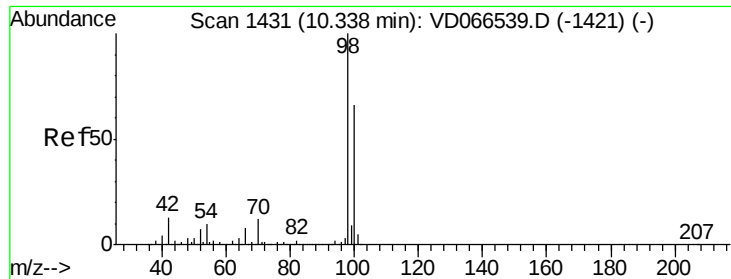
Tot Ion: 83 Resp: 9522
Ion Ratio Lower Upper
83 100
55 71.6 60.8 91.2
98 46.3 38.6 58.0



#41
Methacrylonitrile
Concen: 28616.844 ug/l
RT: 7.48 min Scan# 945
Delta R.T. -0.04 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

Tgt Ion: 41 Resp: 26376561
Ion Ratio Lower Upper
41 100
39 49.1 53.6 80.4#
67 0.0 59.2 88.8#
52 0.0 26.8 40.2#





#50

Toluene-d8

Concen: 32.574 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066579.D

Acq: 09 Sep 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

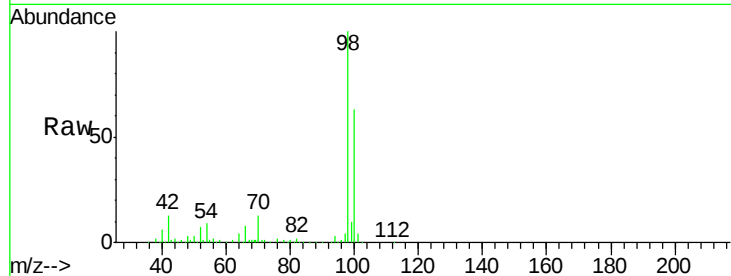
1495-96RE

Tot Ion: 98 Resp: 360889

Ion Ratio Lower Upper

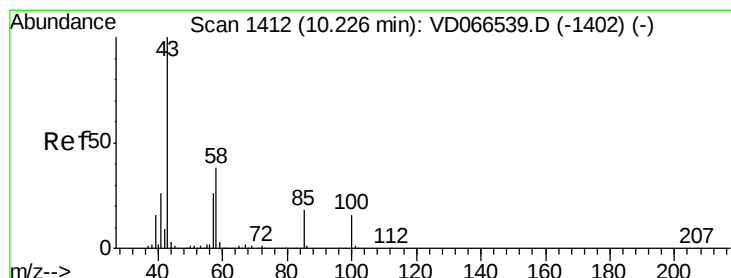
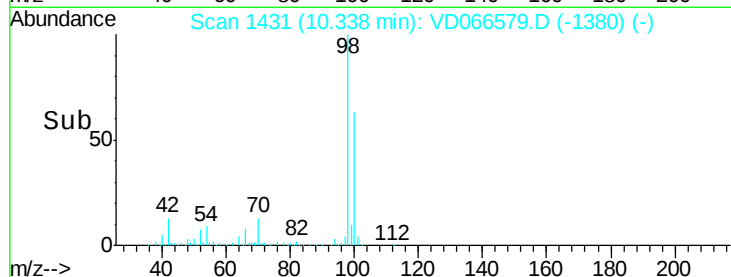
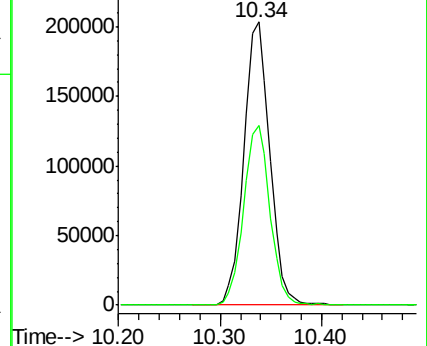
98 100

100 64.5 52.9 79.3



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: 2.378 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066579.D

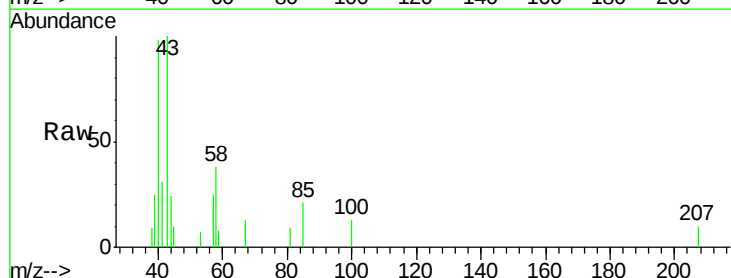
Acq: 09 Sep 2020 13:24

Tgt Ion: 43 Resp: 4377

Ion Ratio Lower Upper

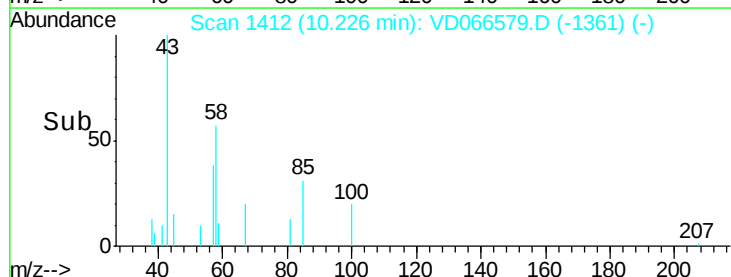
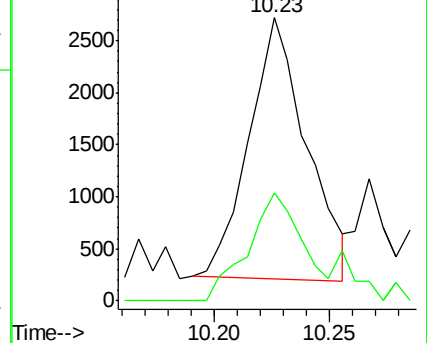
43 100

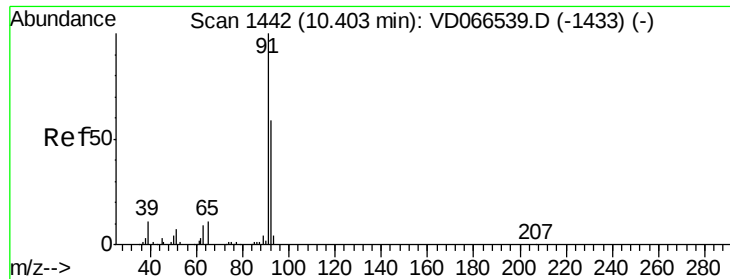
58 39.0 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#52

Toluene

Concen: 14.605 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066579.D

Acq: 09 Sep 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

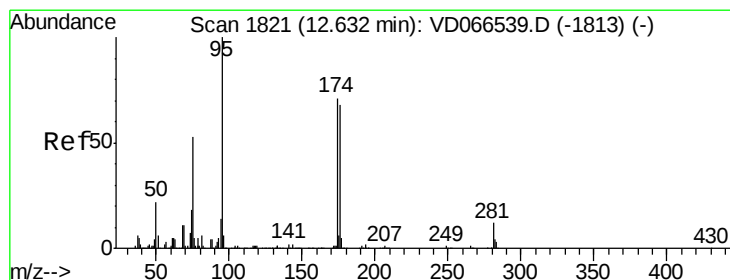
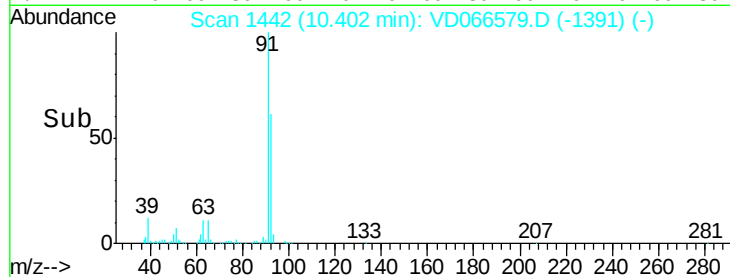
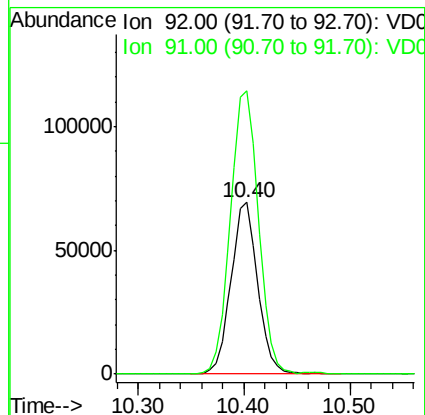
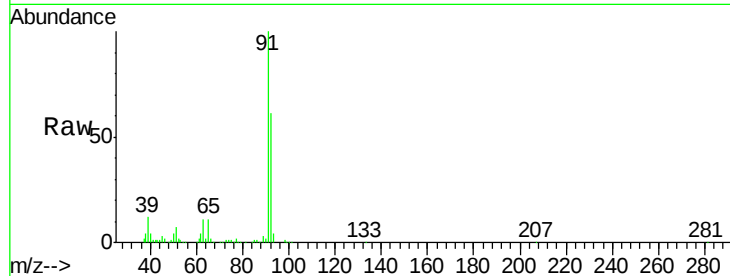
1495-96RE

Tot Ion: 92 Resp: 121075

Ion Ratio Lower Upper

92 100

91 172.9 137.4 206.2



#62

4-Bromofluorobenzene

Concen: 11.757 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066579.D

Acq: 09 Sep 2020 13:24

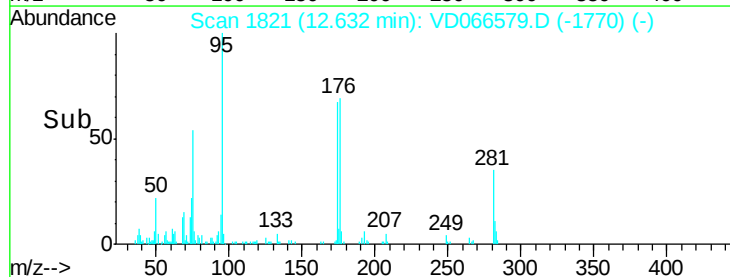
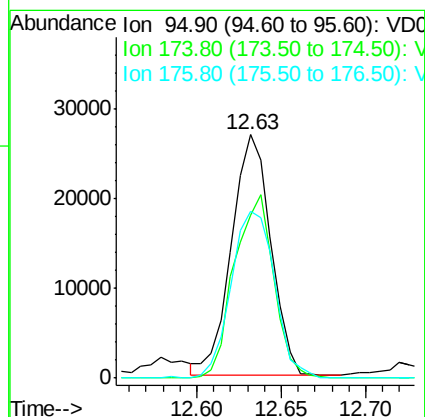
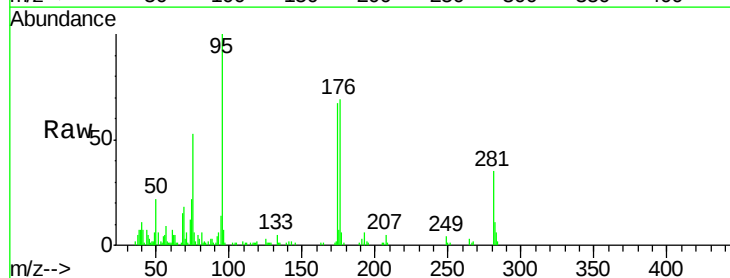
Tgt Ion: 95 Resp: 43193

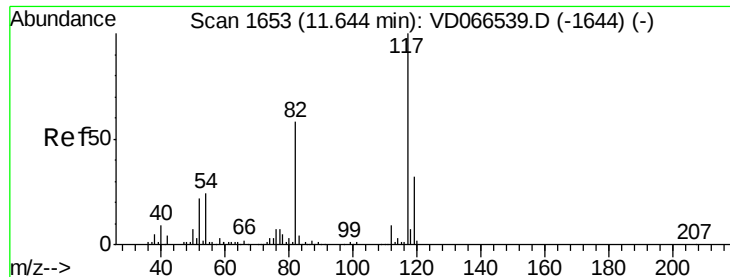
Ion Ratio Lower Upper

95 100

174 76.8 0.0 155.8

176 77.1 0.0 148.6

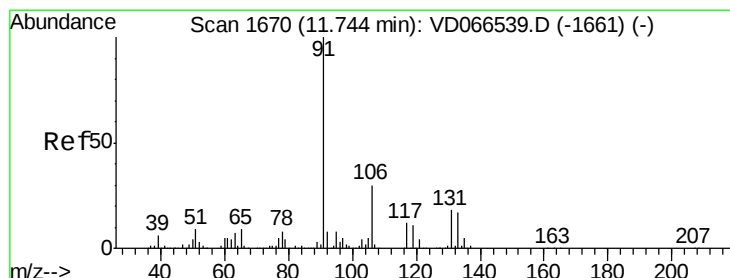
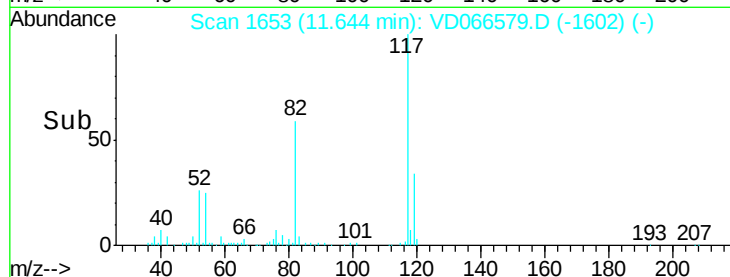
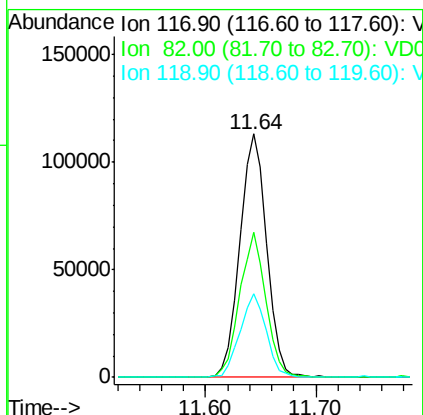
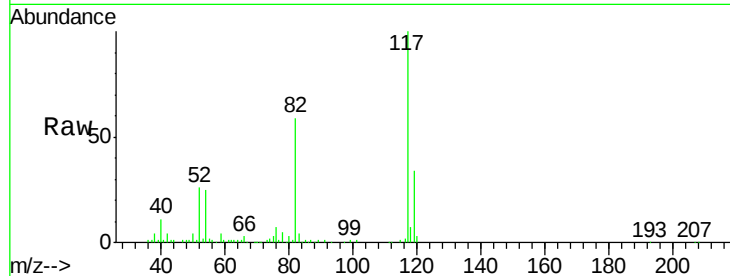




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

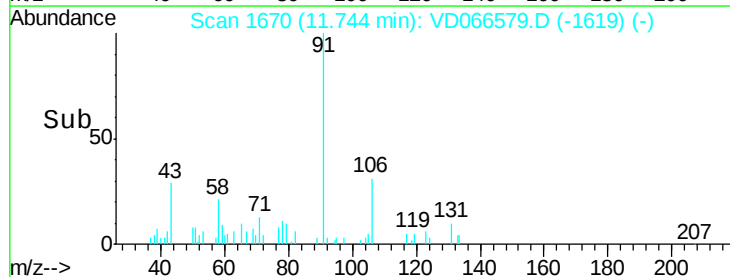
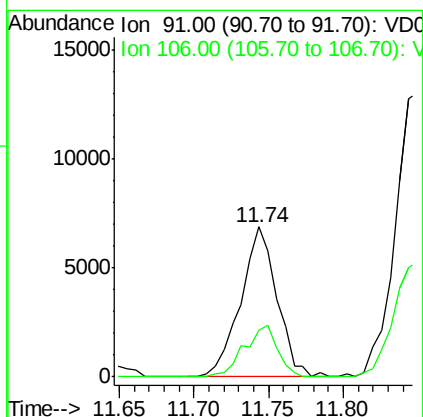
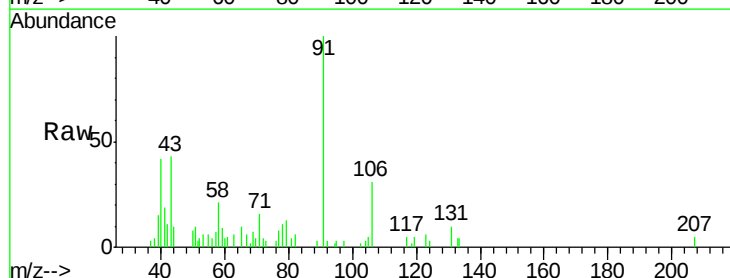
Instrument :
MSVOA_D
ClientSampleId :
1495-96RE

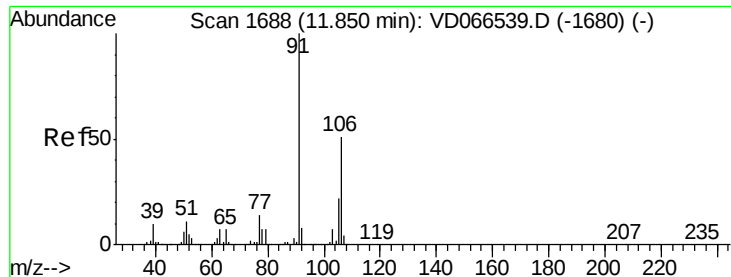
Tot Ion:117 Resp: 193484
Ion Ratio Lower Upper
117 100
82 59.2 46.2 69.2
119 34.1 25.8 38.8



#67
Ethyl Benzene
Concen: 1.572 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

Tgt Ion: 91 Resp: 11530
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5

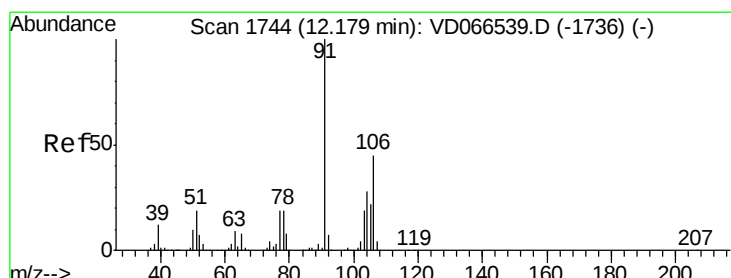
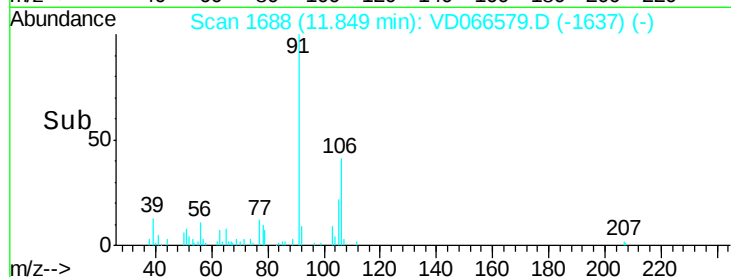
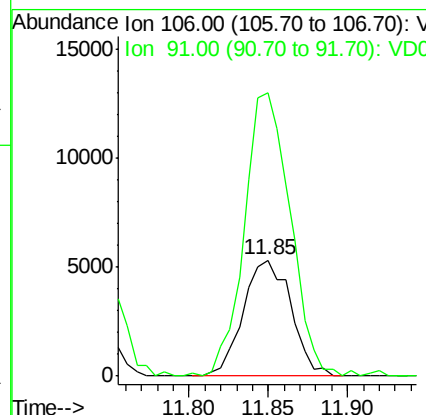
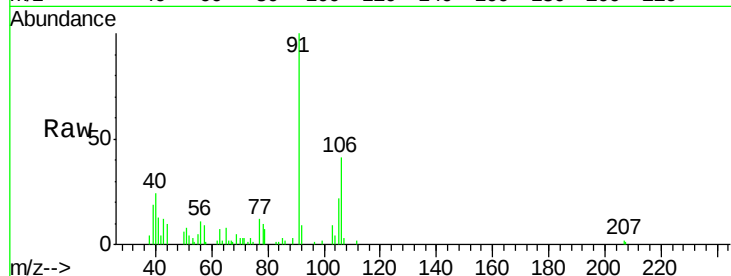




#68
m/p-Xylenes
Concen: 4.073 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

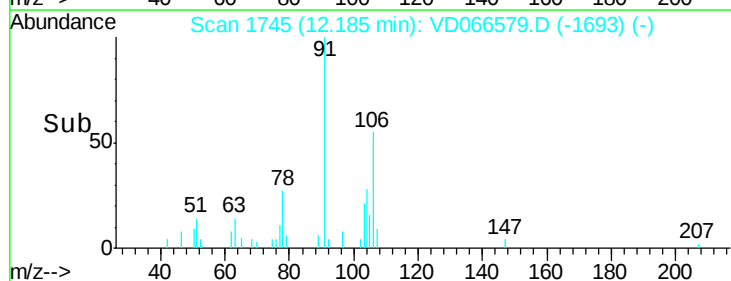
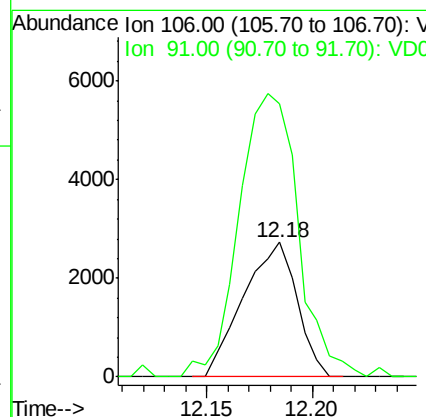
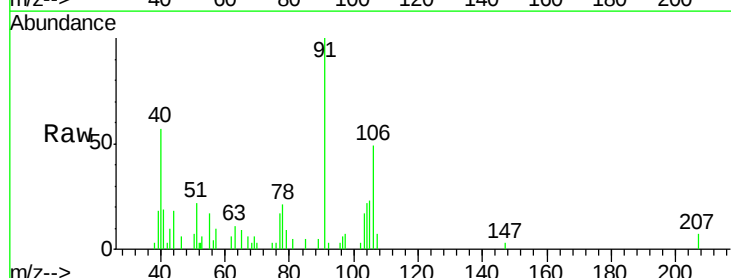
Instrument :
MSVOA_D
ClientSampleId :
1495-96RE

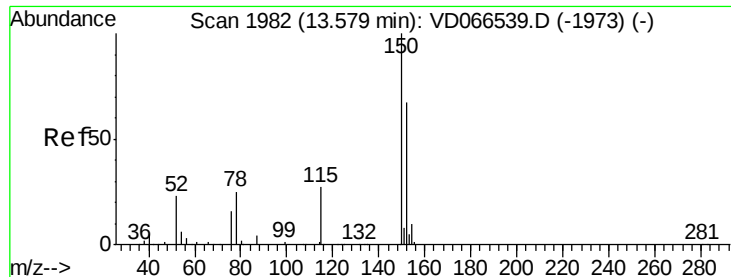
Tot Ion:106 Resp: 11088
Ion Ratio Lower Upper
106 100
91 234.8 162.4 243.6



#69
o-Xylene
Concen: 1.972 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

Tgt Ion:106 Resp: 4811
Ion Ratio Lower Upper
106 100
91 231.9 107.9 323.8



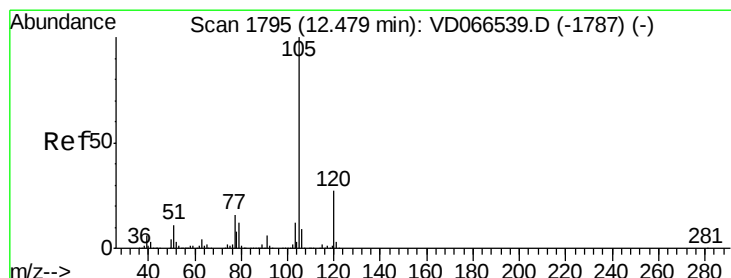
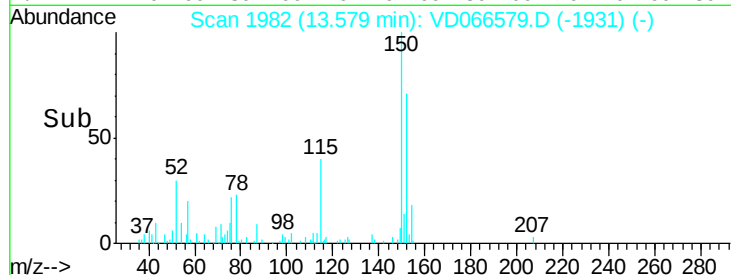
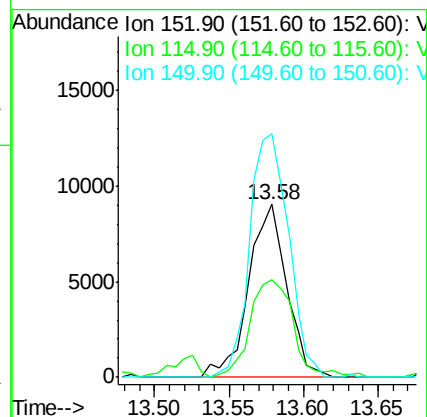
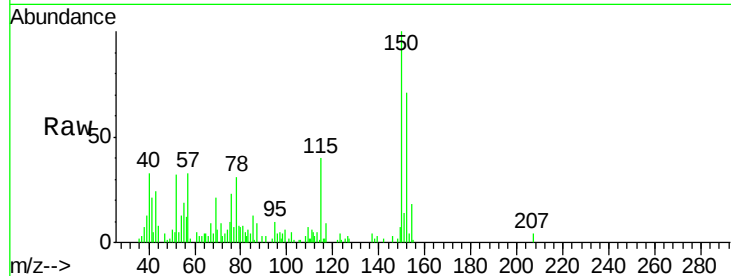


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
1495-96RE

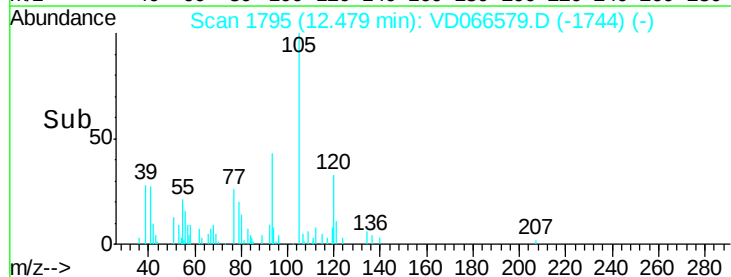
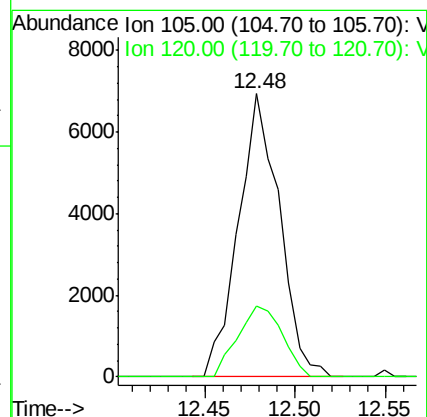
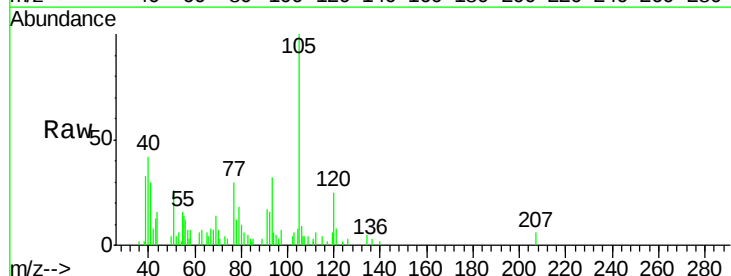
Tot Ion	Ratio	Lower	Upper
152	100		
115	64.4	30.4	91.2
150	143.0	0.0	345.8

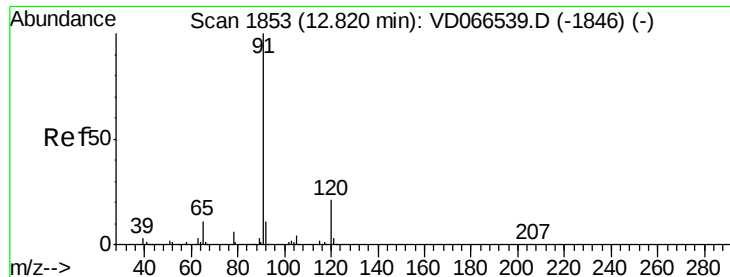


#73

Isopropylbenzene
Concen: 9.226 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066579.D
Acq: 09 Sep 2020 13:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.0	39.0





#78

n-propylbenzene

Concen: 5.522 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066579.D

Acq: 09 Sep 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

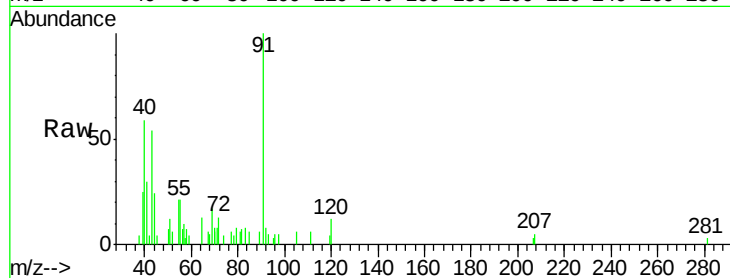
1495-96RE

Tot Ion: 91 Resp: 7923

Ion Ratio Lower Upper

91 100

120 19.2 11.1 33.1



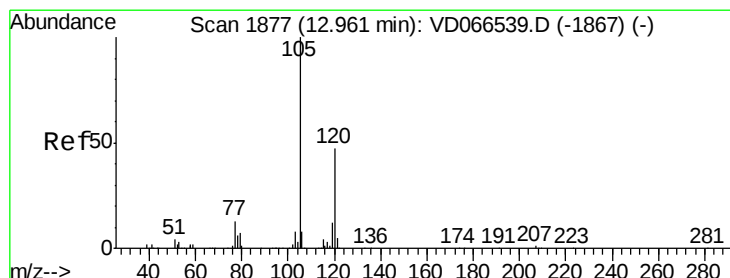
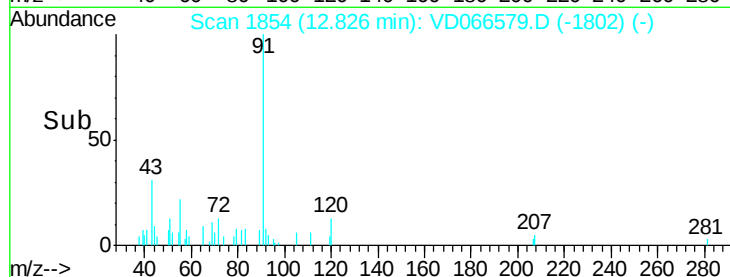
Abundance Ion 91.00 (90.70 to 91.70): VD066539.D (-1846) (-)

Ion 120.00 (119.70 to 120.70): VD066539.D (-1846) (-)

12.83

12.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 9.454 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066579.D

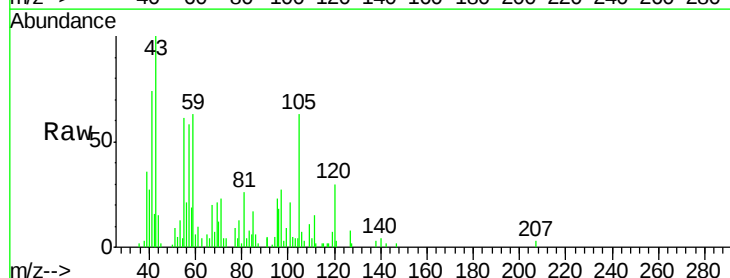
Acq: 09 Sep 2020 13:24

Tgt Ion: 105 Resp: 9419

Ion Ratio Lower Upper

105 100

120 46.6 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VD066539.D (-1867) (-)

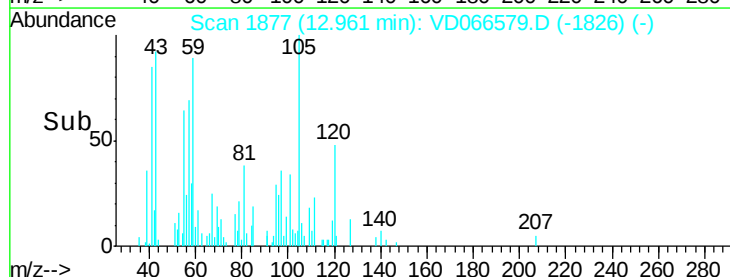
Ion 120.00 (119.70 to 120.70): VD066539.D (-1867) (-)

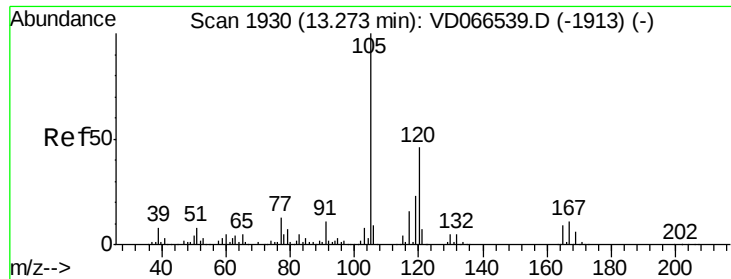
12.96

12.95

13.00

Time-->

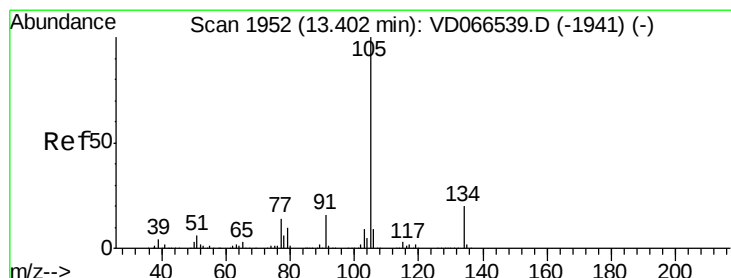
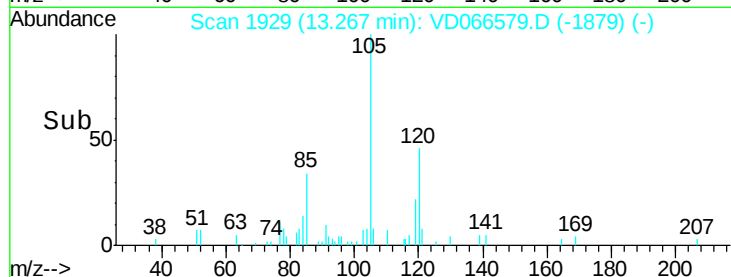
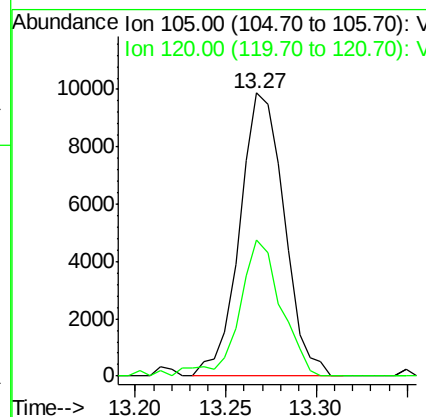
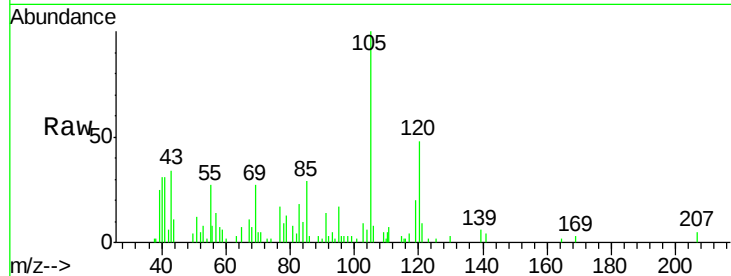




#84
 1,2,4-Trimethylbenzene
 Concen: 17.026 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066579.D
 Acq: 09 Sep 2020 13:24

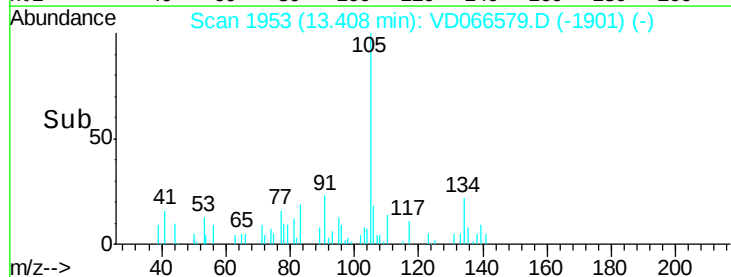
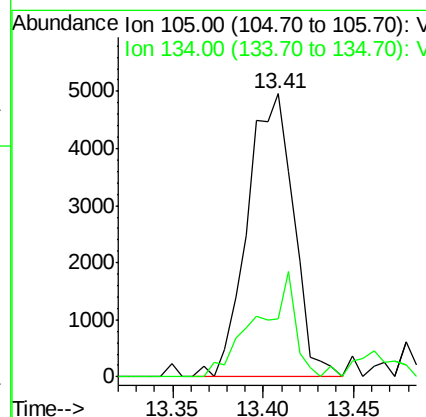
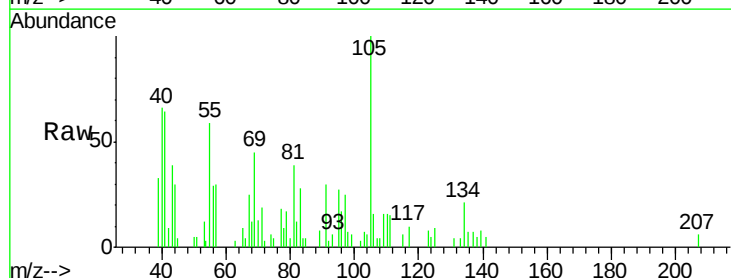
Instrument :
 MSVOA_D
 ClientSampleId :
 1495-96RE

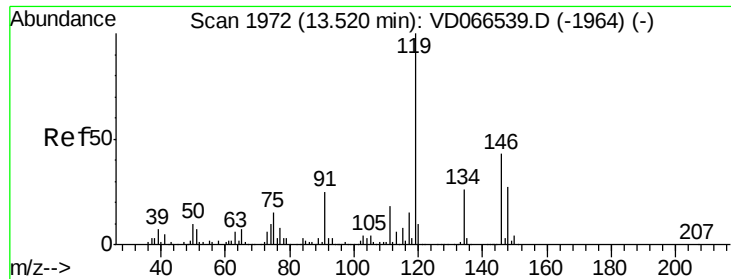
Tot Ion:105 Resp: 16888
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 7.503 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: VD066579.D
 Acq: 09 Sep 2020 13:24

Tgt Ion:105 Resp: 8794
 Ion Ratio Lower Upper
 105 100
 134 30.1 9.8 29.5#

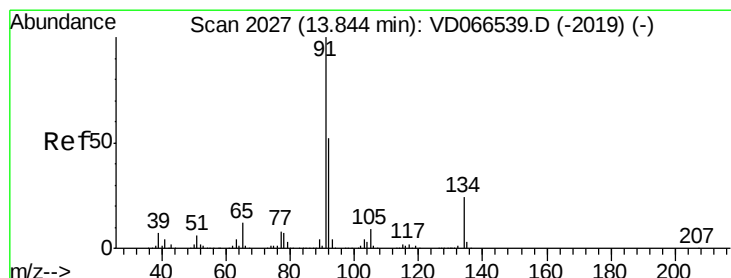
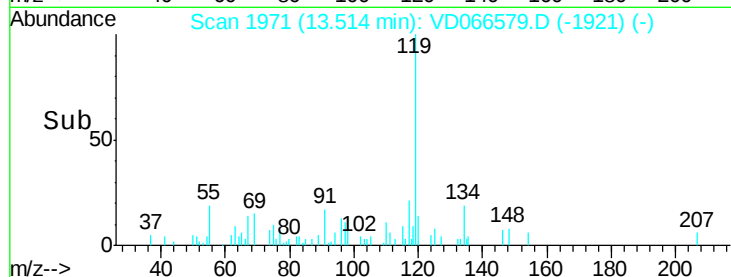
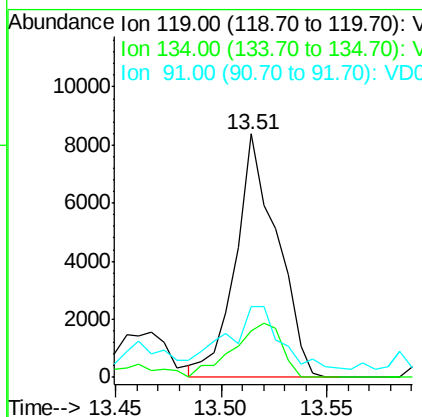
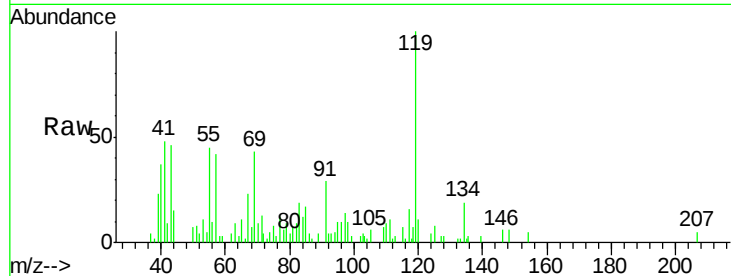




#86
 p-Isopropyltoluene
 Concen: 10.797 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD066579.D
 Acq: 09 Sep 2020 13:24

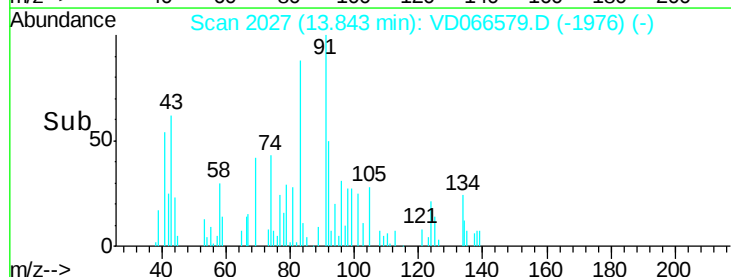
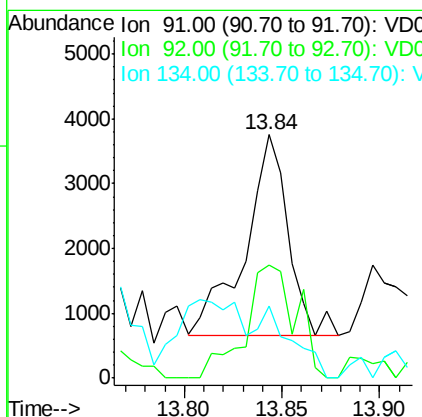
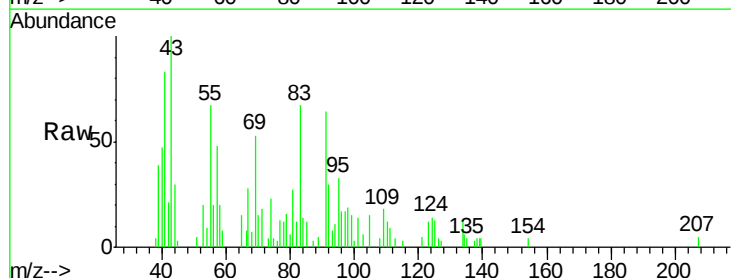
Instrument :
 MSVOA_D
 ClientSampled :
 1495-96RE

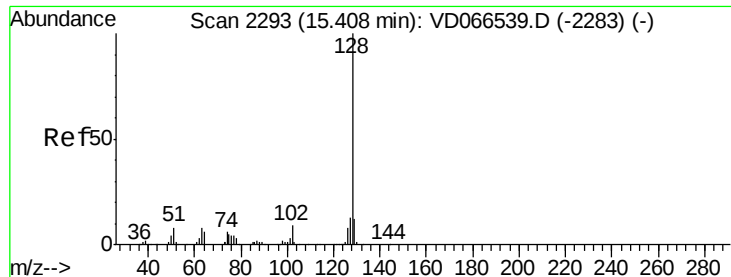
Tot Ion:119 Resp: 11391
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.7 38.0
 91 32.9 12.5 37.5



#89
 n-Butylbenzene
 Concen: 4.649 ug/l
 RT: 13.84 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: VD066579.D
 Acq: 09 Sep 2020 13:24

Tgt Ion: 91 Resp: 4779
 Ion Ratio Lower Upper
 91 100
 92 65.9 26.5 79.5
 134 0.0 12.1 36.3#





#95

Naphthalene

Concen: 24.990 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066579.D

Acq: 09 Sep 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

1495-96RE

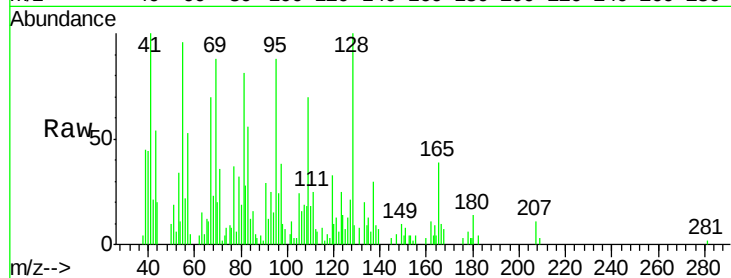
Tot Ion:128 Resp: 12001

Ion Ratio Lower Upper

128 100

127 16.5 10.7 16.1#

129 9.8 9.1 13.7



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

