

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040121\
 Data File : VD068766.D
 Acq On : 01 Apr 2021 18:50
 Operator : VA/SY
 Sample : M1886-03RE
 Misc : 5.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-124027RE

Quant Time: Apr 02 01:06:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

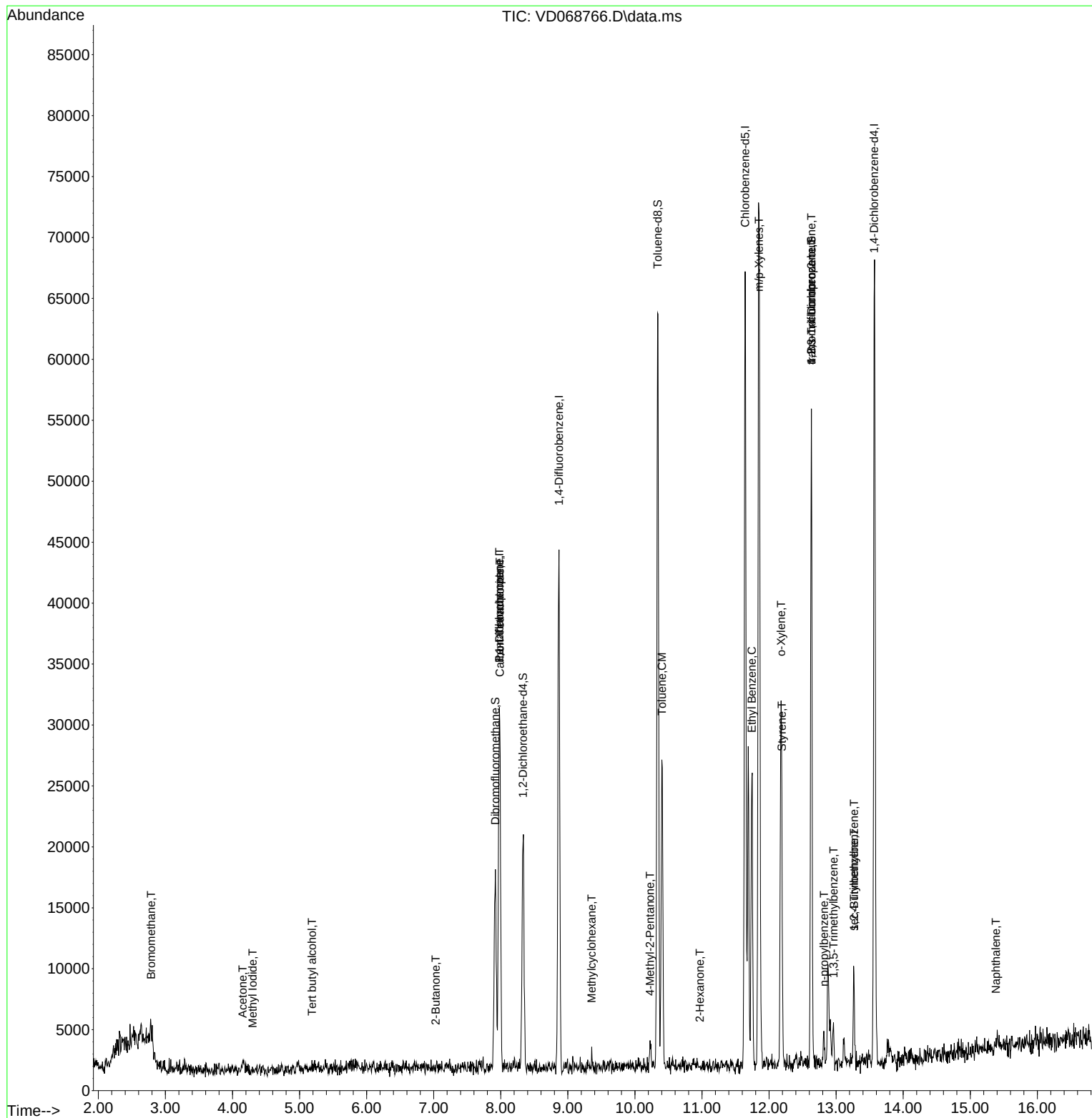
Internal Standards						
1) Pentafluorobenzene	7.979	168	23587	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	36085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	39898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	19857	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	14846	62.42	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.84%			
35) Dibromofluoromethane	7.920	113	11770	52.42	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.84%			
50) Toluene-d8	10.338	98	45349	52.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.78%			
62) 4-Bromofluorobenzene	12.632	95	16822	59.94	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.88%			
Target Compounds						
						Qvalue
5) Bromomethane	2.785	94	788	3.97	ug/l	96
10) Methyl Iodide	4.303	142	66	3.74	ug/l #	41
11) Tert butyl alcohol	5.185	59	53	4.84	ug/l #	73
16) Acetone	4.150	43	468	16.22	ug/l #	40
20) Methylene Chloride	4.962	84	325	Below Cal	#	60
25) 2-Butanone	7.032	43	64	1.34	ug/l #	39
36) 1,1-Dichloropropene	7.979	75	2007	6.23	ug/l #	41
38) Carbon Tetrachloride	7.985	117	2311	7.18	ug/l #	12
39) Methylcyclohexane	9.355	83	453	1.14	ug/l #	69
51) 4-Methyl-2-Pentanone	10.226	43	1568	15.44	ug/l	92
52) Toluene	10.402	92	11070	18.60	ug/l	88
59) 2-Hexanone	10.967	43	84	1.23	ug/l #	19
67) Ethyl Benzene	11.744	91	17942	13.10	ug/l	92
68) m/p-Xylenes	11.849	106	25319	47.44	ug/l	91
69) o-Xylene	12.179	106	8224	16.63	ug/l	96
70) Styrene	12.191	104	3258	3.83	ug/l #	61
76) 1,2,3-Trichloropropane	12.632	75	7923	47.94	ug/l #	100
78) n-propylbenzene	12.820	91	2060	1.27	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	1913	1.73	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.632	75	7923	109.07	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.267	105	4409	3.87	ug/l	95
85) sec-Butylbenzene	13.267	105	4409	3.23	ug/l #	57
95) Naphthalene	15.385	128	628	1.02	ug/l #	69

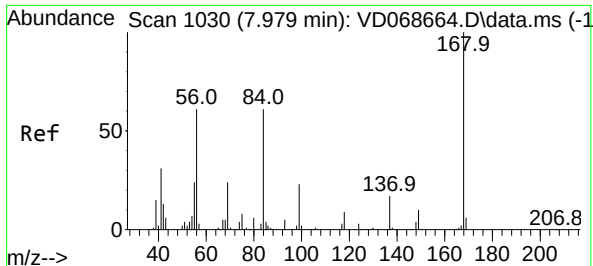
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

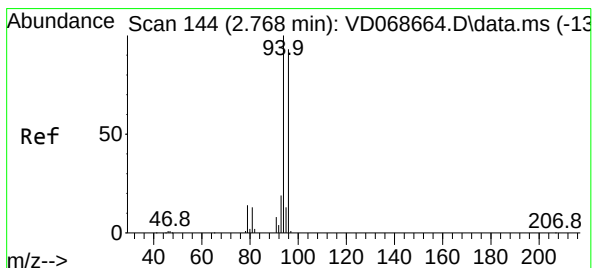
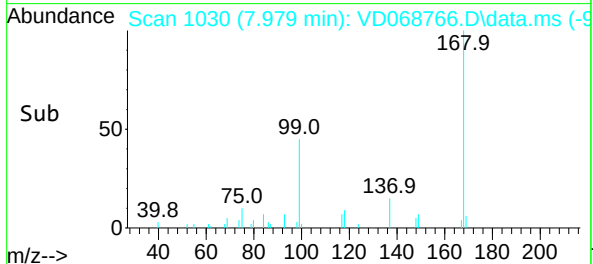
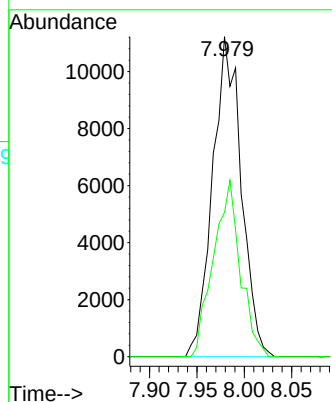
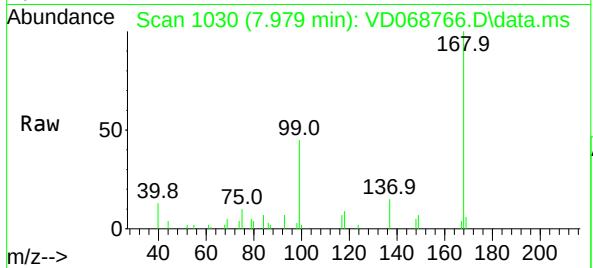




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

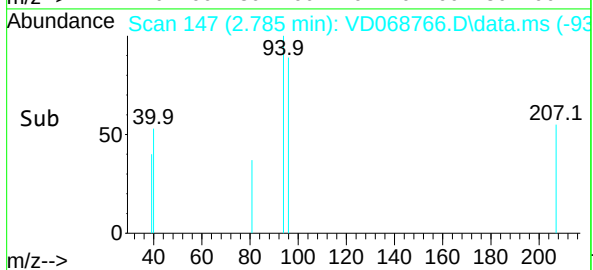
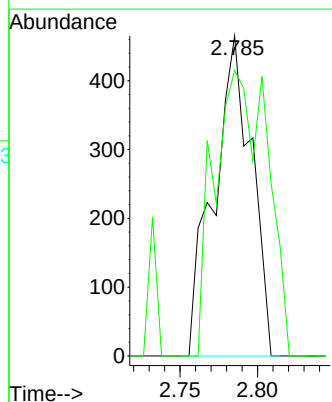
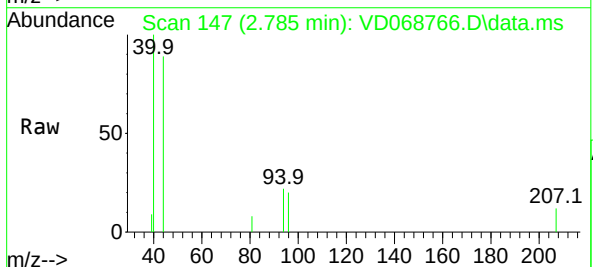
Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

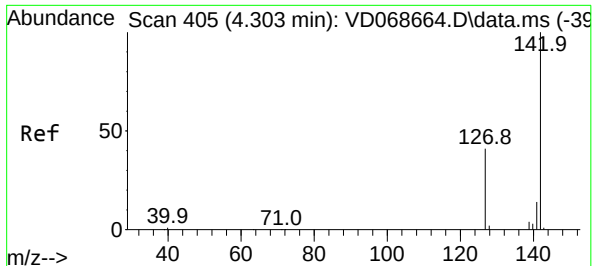
Tgt Ion:168 Resp: 23587
Ion Ratio Lower Upper
168 100
99 45.1 46.2 69.2#



#5
Bromomethane
Concen: 3.97 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion: 94 Resp: 788
Ion Ratio Lower Upper
94 100
96 89.2 74.7 112.1

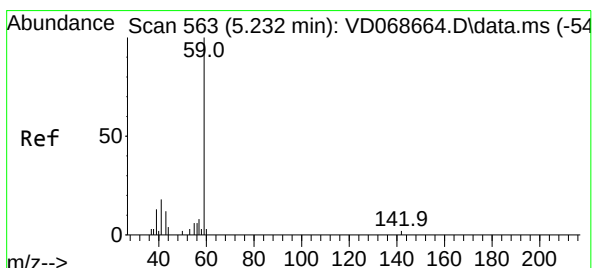
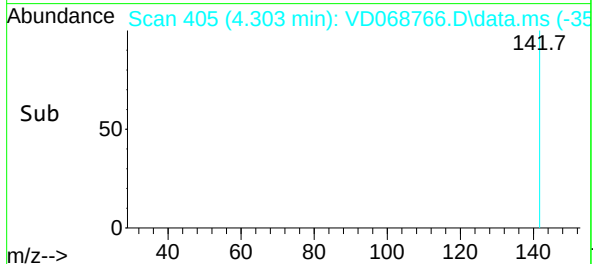
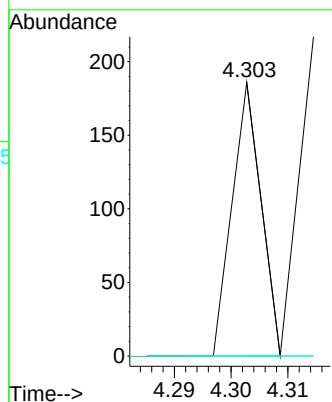
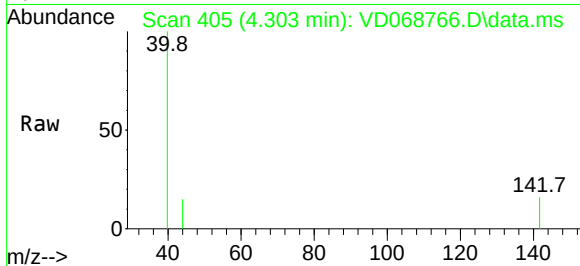




#10
Methyl Iodide
Concen: 3.74 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

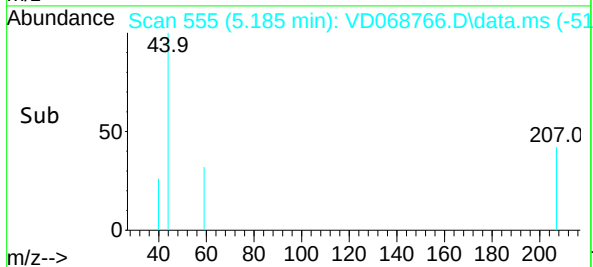
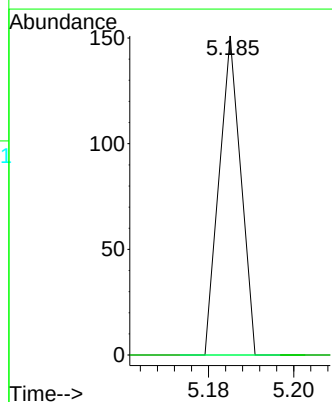
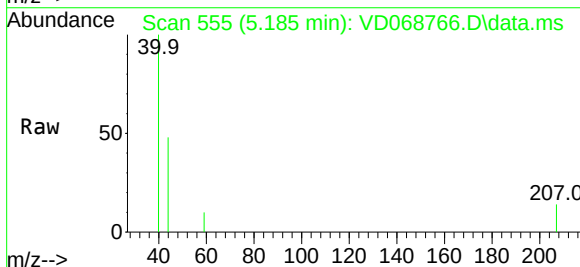
Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

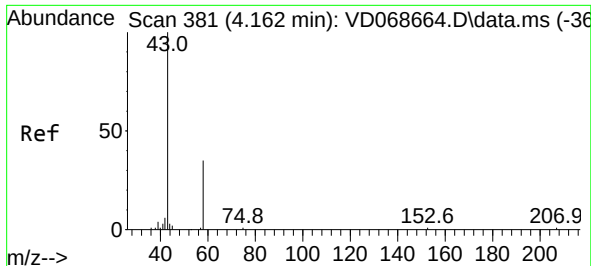
Tgt Ion:	142	Resp:	66
Ion	Ratio	Lower	Upper
142	100		
127	0.0	34.7	52.1#
141	0.0	11.0	16.4#



#11
Tert butyl alcohol
Concen: 4.84 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.047 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion:	59	Resp:	53
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

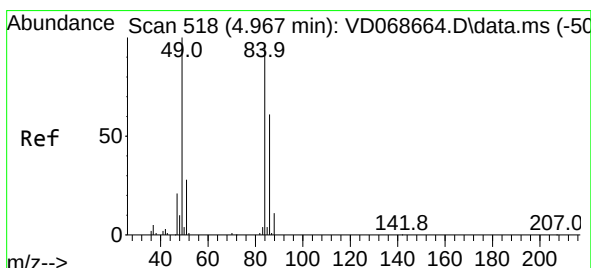
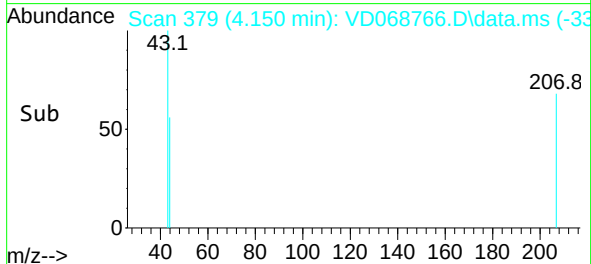
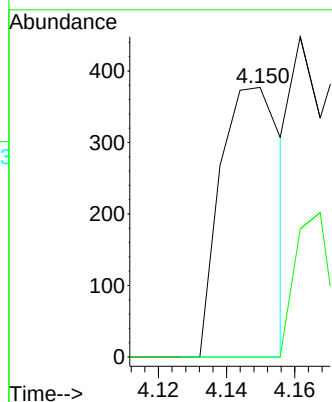
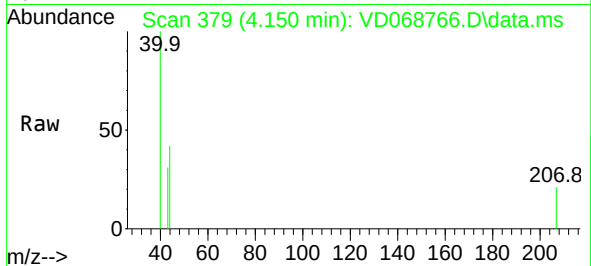




#16
Acetone
Concen: 16.22 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

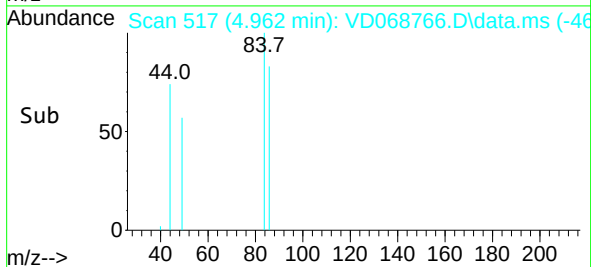
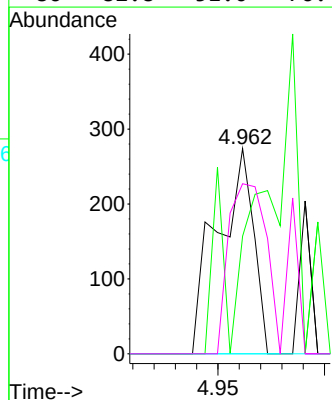
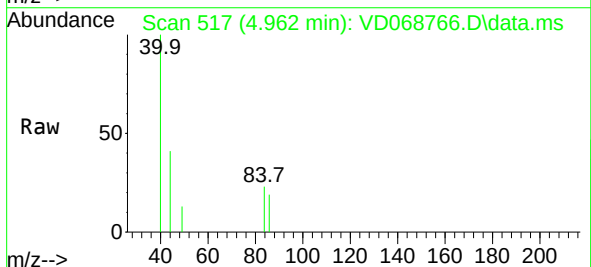
Instrument :
MSVOA_D
ClientSampled :
RO-124027RE

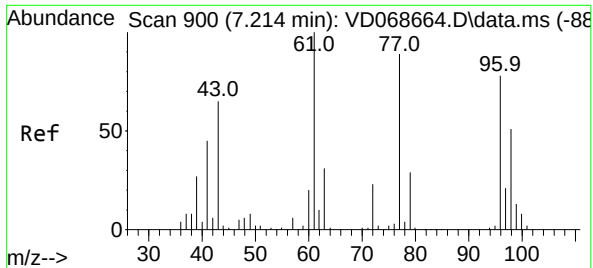
Tgt Ion: 43 Resp: 468
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion: 84 Resp: 325
Ion Ratio Lower Upper
84 100
49 57.3 83.4 125.0#
51 0.0 23.4 35.2#
86 82.8 51.0 76.4#

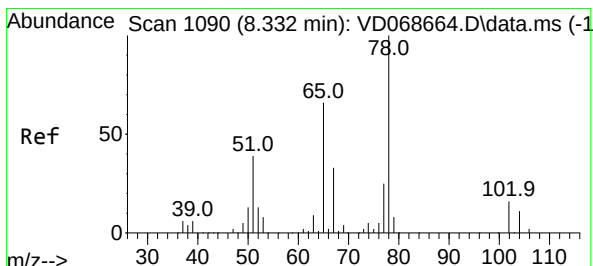
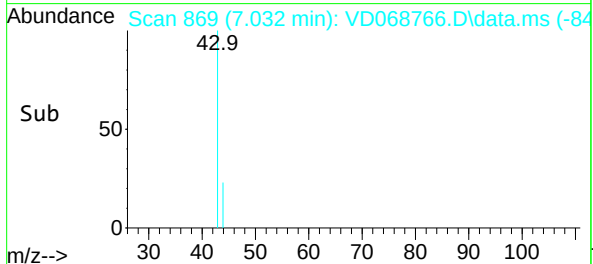
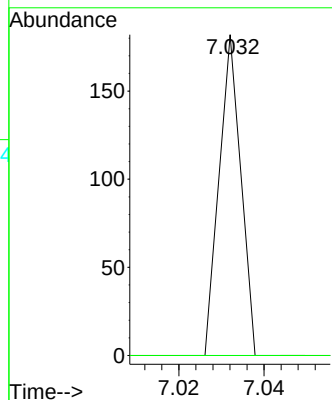
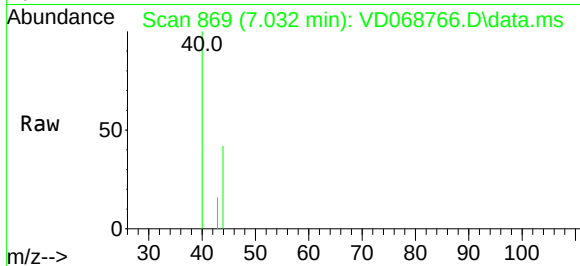




#25
2-Butanone
Concen: 1.34 ug/l
RT: 7.032 min Scan# 869
Delta R.T. -0.182 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

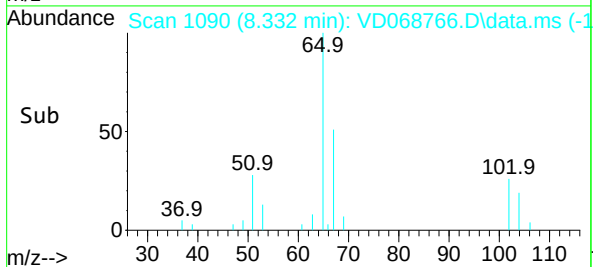
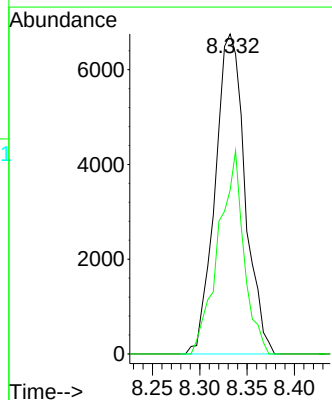
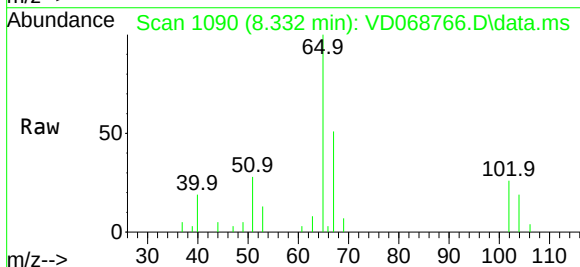
Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

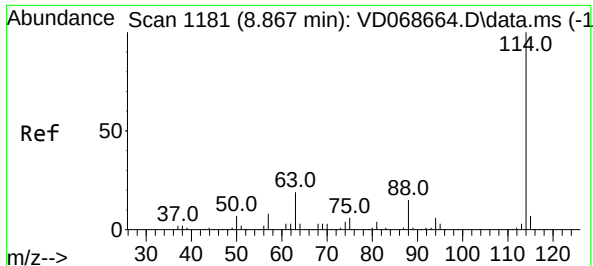
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
72 0.0 28.6 43.0#



#33
1,2-Dichloroethane-d4
Concen: 62.42 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion: 65 Resp: 14846
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.0

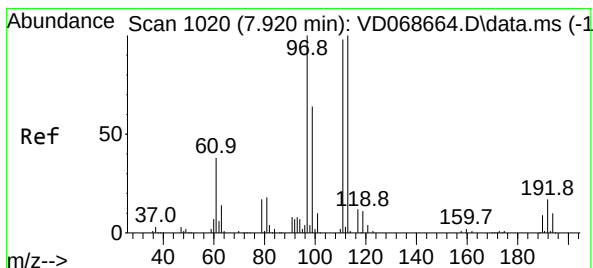
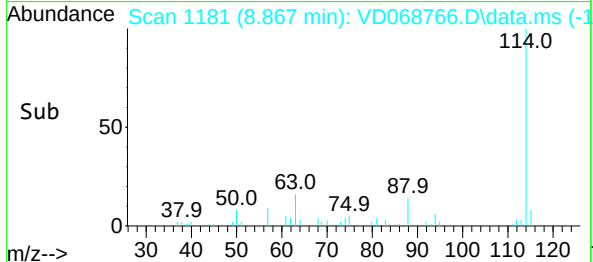
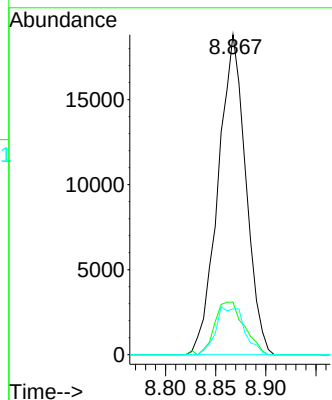
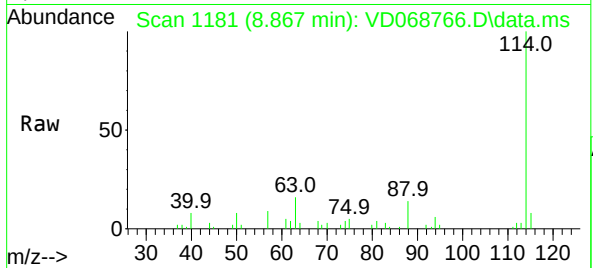




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

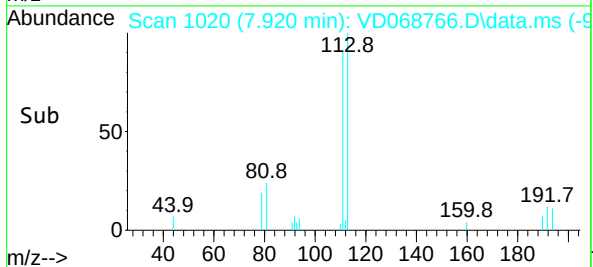
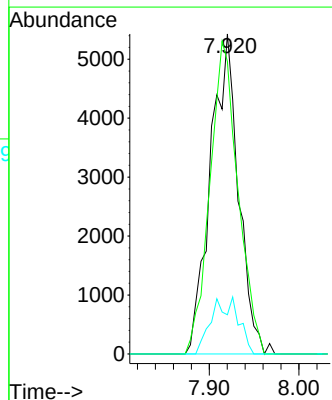
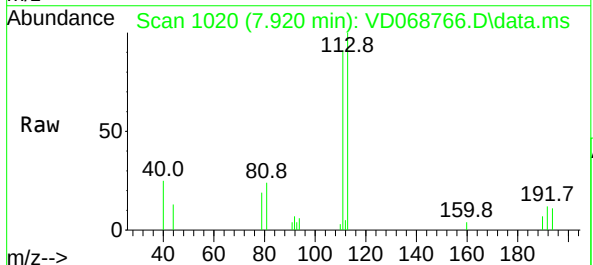
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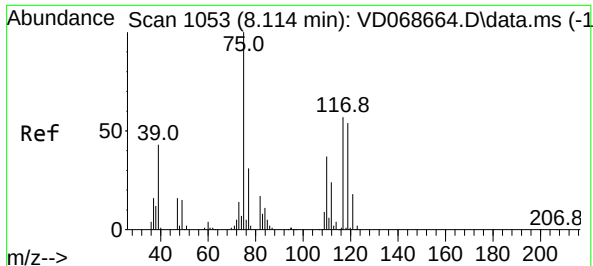
Tgt Ion:114	Resp:	36085
Ion Ratio	Lower	Upper
114	100	
63	16.5	0.0 38.2
88	14.3	0.0 29.4



#35
Dibromofluoromethane
Concen: 52.42 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

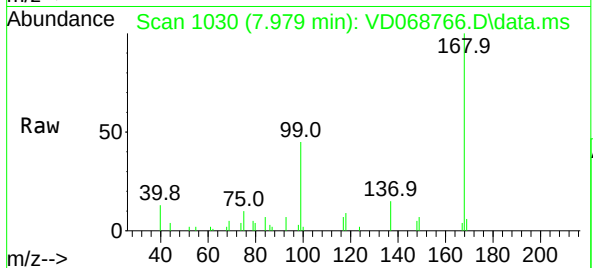
Tgt Ion:113	Resp:	11770
Ion Ratio	Lower	Upper
113	100	
111	98.1	82.5 123.7
192	16.9	15.1 22.7



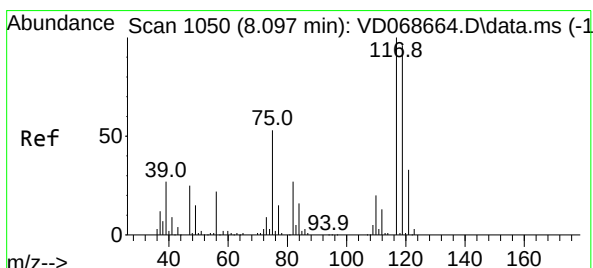
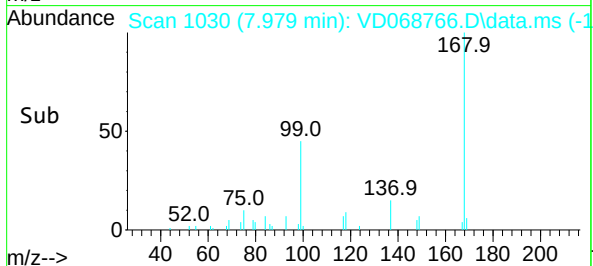
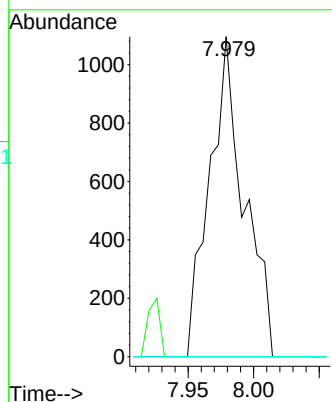


#36
1,1-Dichloropropene
Concen: 6.23 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

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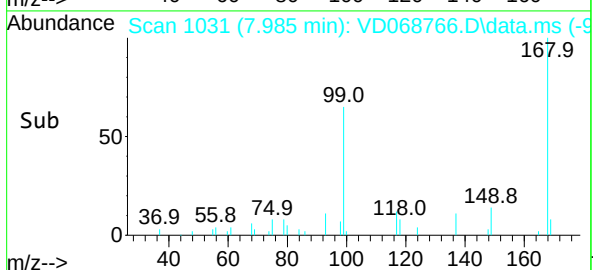
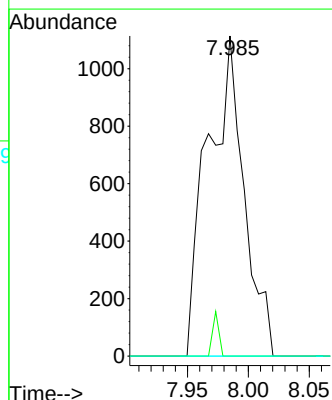
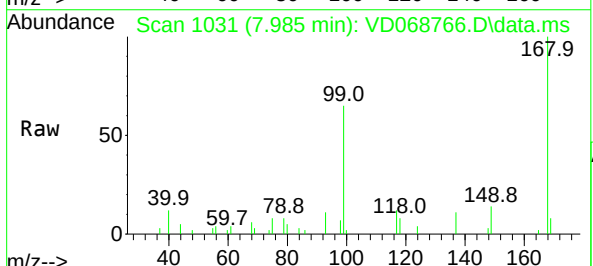


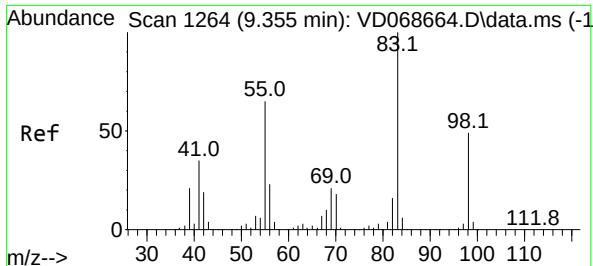
Tgt Ion: 75 Resp: 2007
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 7.18 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion: 117 Resp: 2311
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#





#39

Methylcyclohexane

Concen: 1.14 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. -0.000 min

Lab File: VD068766.D

Acq: 01 Apr 2021 18:50

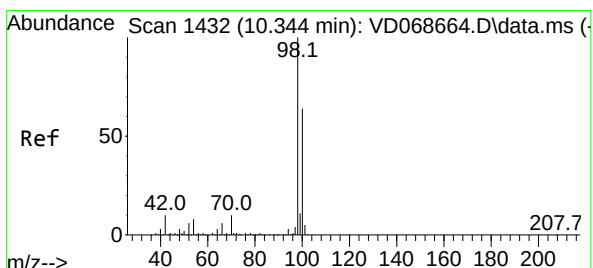
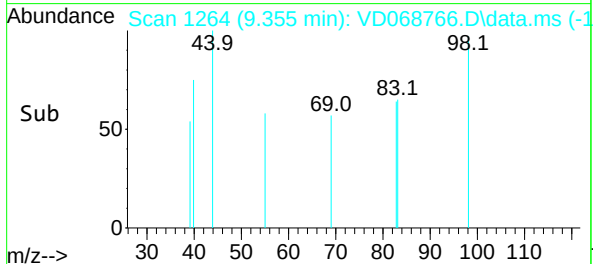
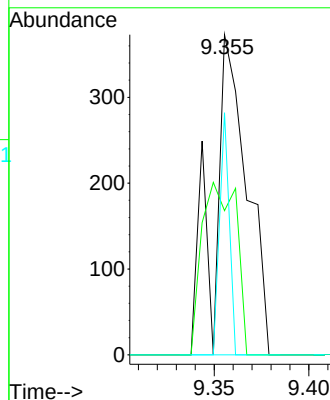
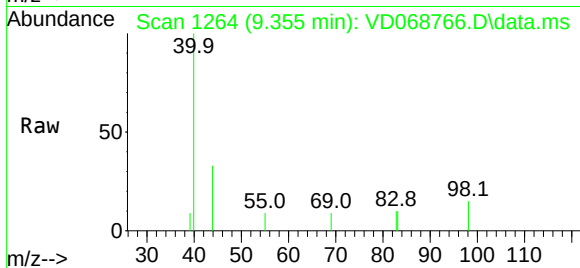
Instrument :

MSVOA_D

ClientSampleId :

RO-124027RE

Tgt Ion: 83	Resp:	453
Ion Ratio	Lower	Upper
83	100	
55	45.0	51.7 77.5#
98	75.6	38.8 58.2#



#50

Toluene-d8

Concen: 52.39 ug/l

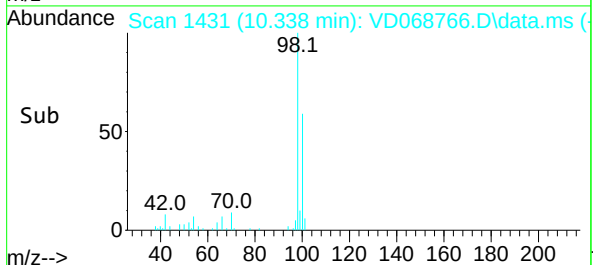
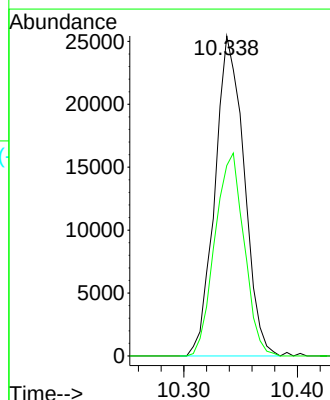
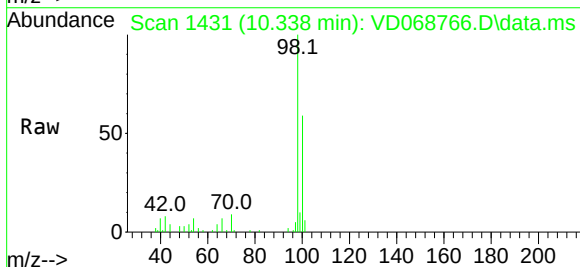
RT: 10.338 min Scan# 1431

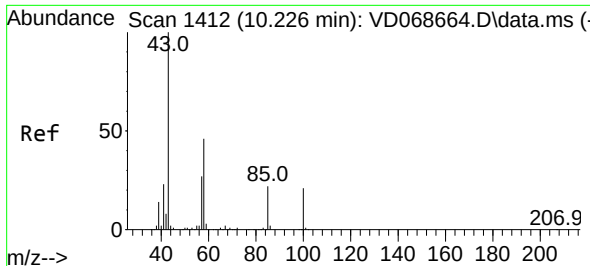
Delta R.T. -0.006 min

Lab File: VD068766.D

Acq: 01 Apr 2021 18:50

Tgt Ion: 98	Resp:	45349
Ion Ratio	Lower	Upper
98	100	
100	63.6	51.8 77.6

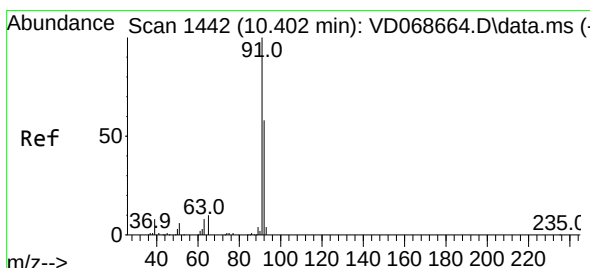
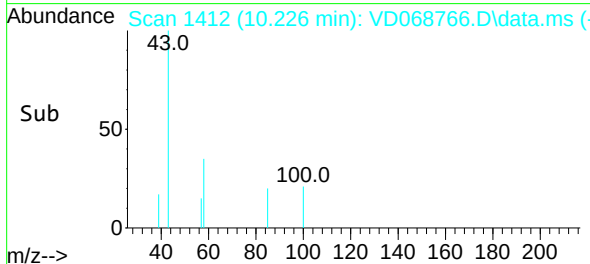
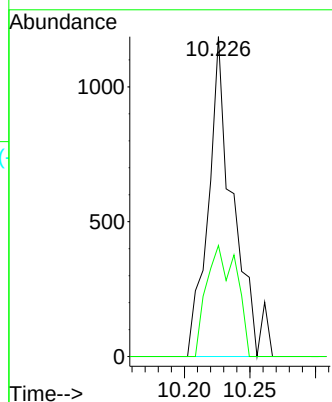
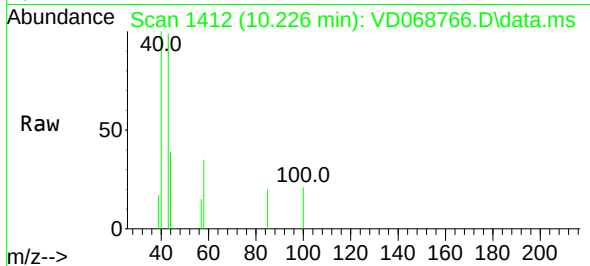




#51
4-Methyl-2-Pentanone
Concen: 15.44 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

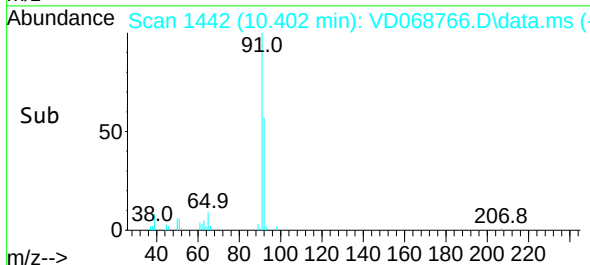
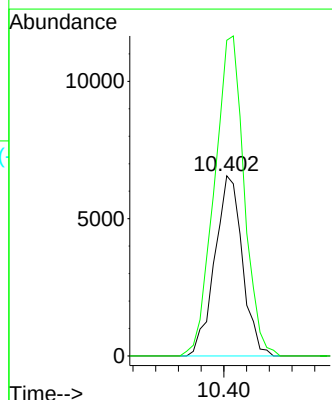
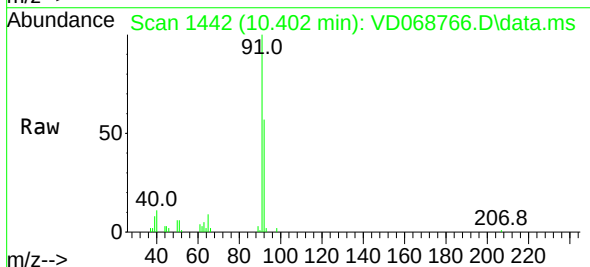
Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

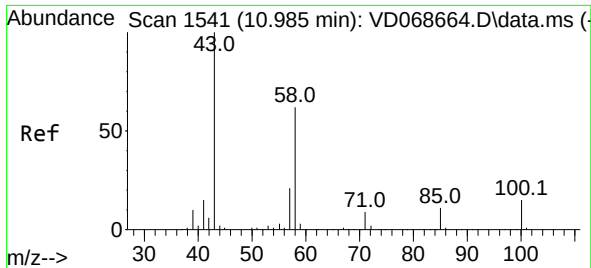
Tgt Ion: 43 Resp: 1568
Ion Ratio Lower Upper
43 100
58 41.6 37.3 55.9



#52
Toluene
Concen: 18.60 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion: 92 Resp: 11070
Ion Ratio Lower Upper
92 100
91 191.2 139.1 208.7

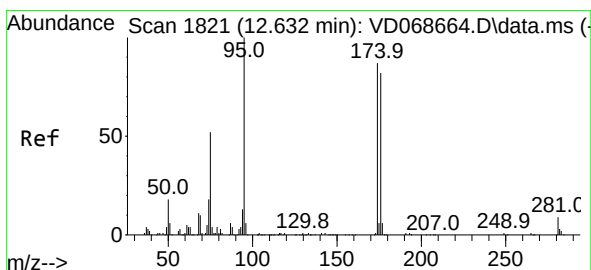
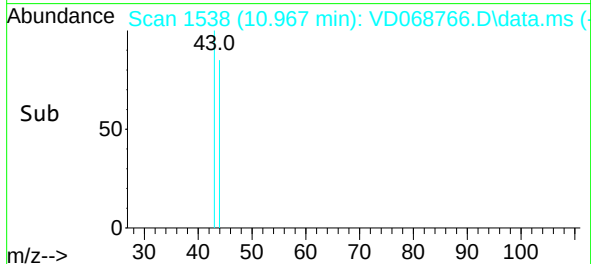
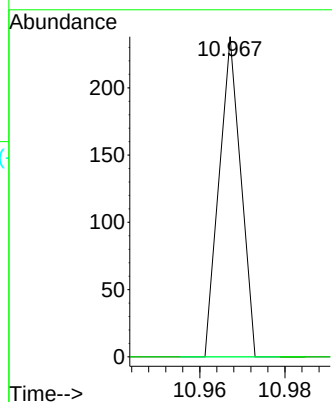
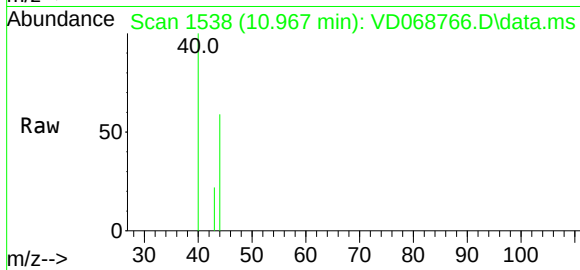




#59
2-Hexanone
Concen: 1.23 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.018 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

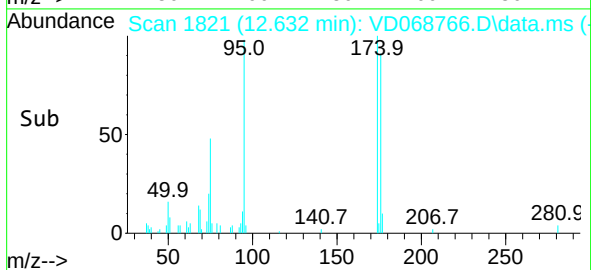
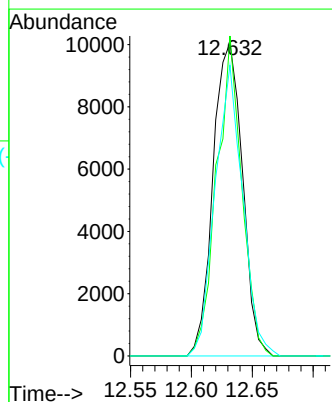
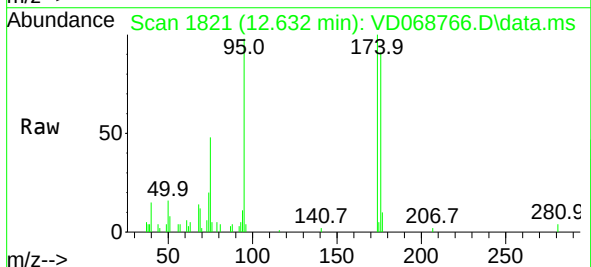
Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

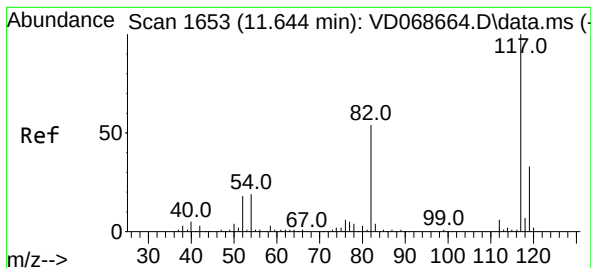
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 59.94 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion: 95 Resp: 16822
Ion Ratio Lower Upper
95 100
174 87.5 0.0 168.0
176 87.2 0.0 160.2

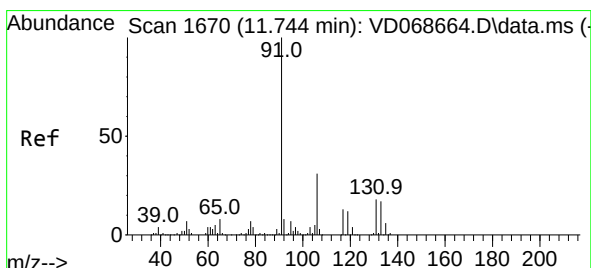
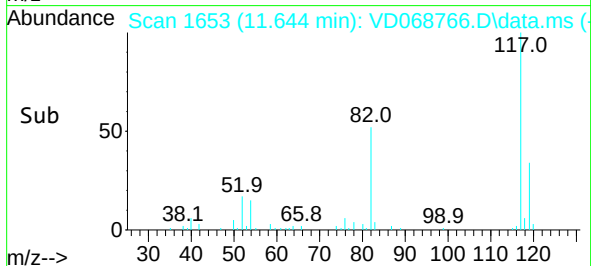
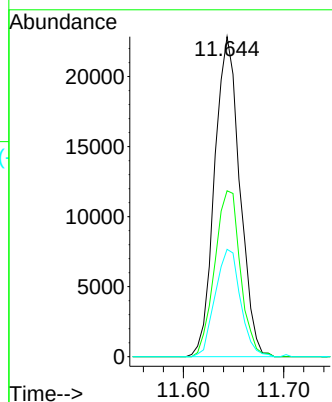
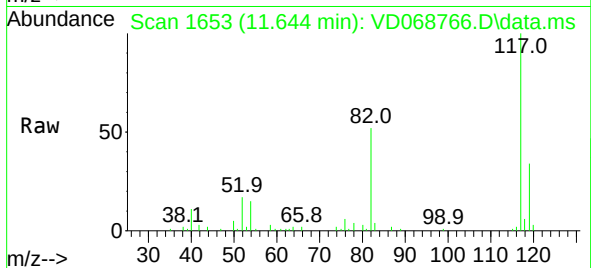




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

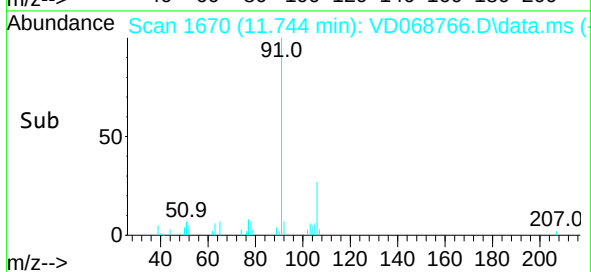
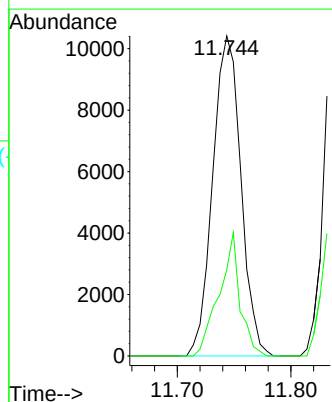
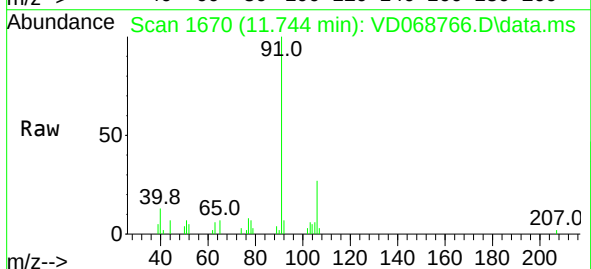
Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

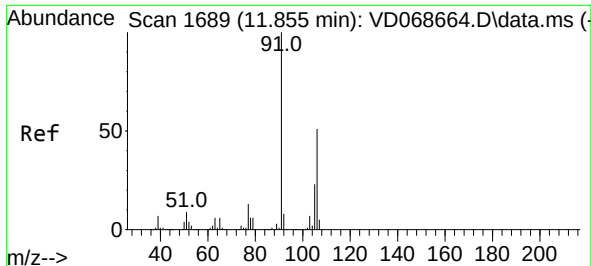
Tgt Ion:117 Resp: 39898
Ion Ratio Lower Upper
117 100
82 51.8 43.5 65.3
119 33.6 26.7 40.1



#67
Ethyl Benzene
Concen: 13.10 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion: 91 Resp: 17942
Ion Ratio Lower Upper
91 100
106 26.9 25.1 37.7

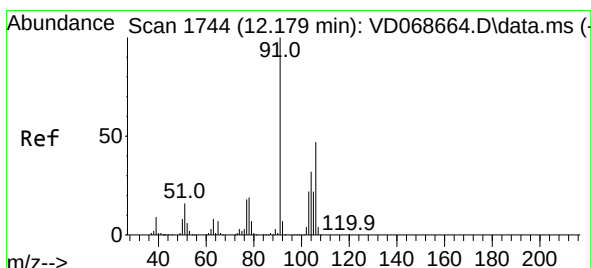
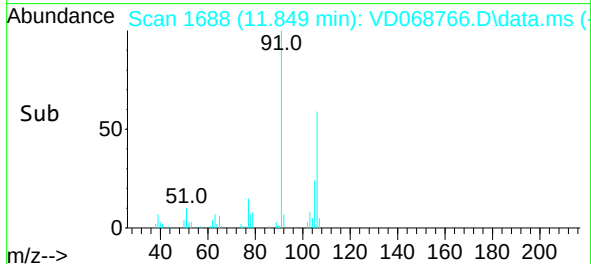
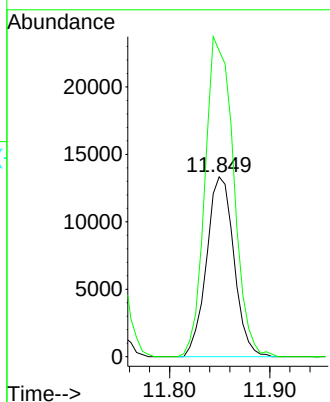
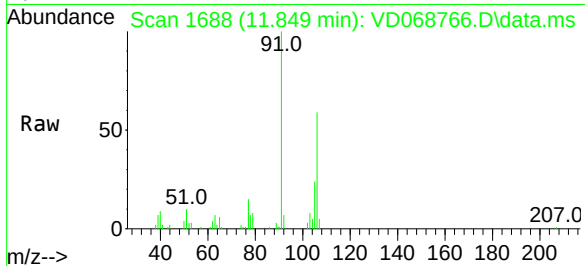




#68
m/p-Xylenes
Concen: 47.44 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

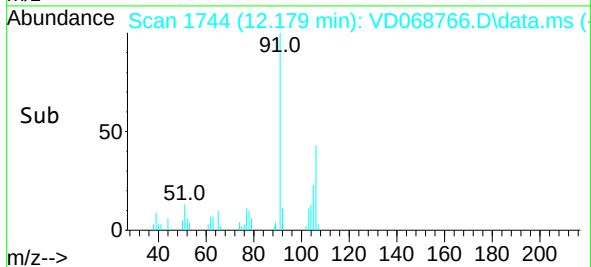
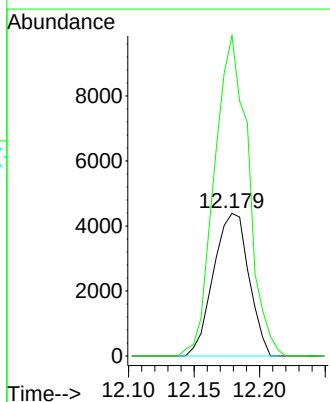
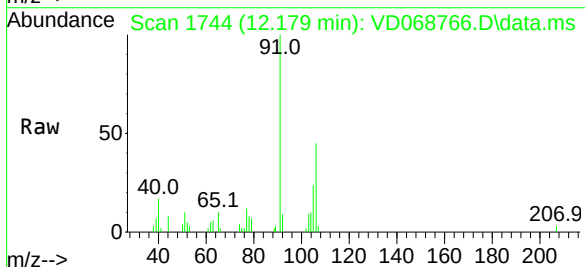
Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

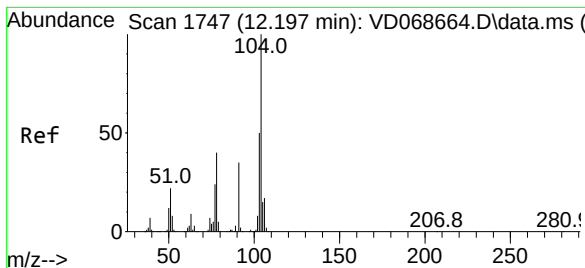
Tgt Ion:106 Resp: 25319
Ion Ratio Lower Upper
106 100
91 185.4 158.6 238.0



#69
o-Xylene
Concen: 16.63 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion:106 Resp: 8224
Ion Ratio Lower Upper
106 100
91 215.8 105.0 315.0





#70

Styrene

Concen: 3.83 ug/l

RT: 12.191 min Scan# 1746

Delta R.T. -0.006 min

Lab File: VD068766.D

Acq: 01 Apr 2021 18:50

Tgt Ion:104 Resp: 3258

Ion Ratio Lower Upper

104 100

78 69.9 36.9 55.3#

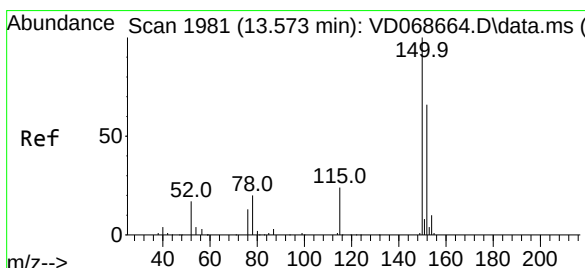
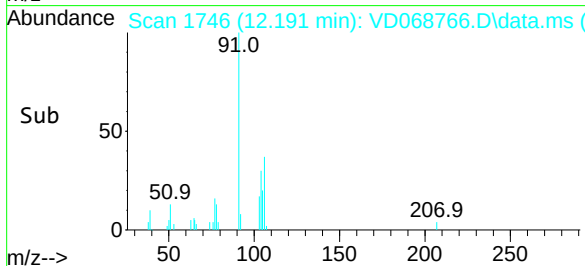
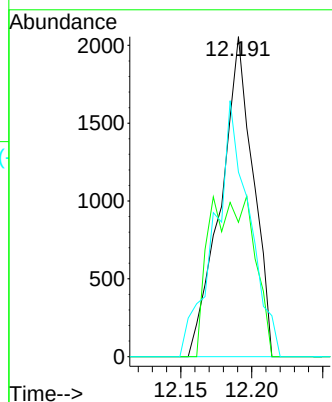
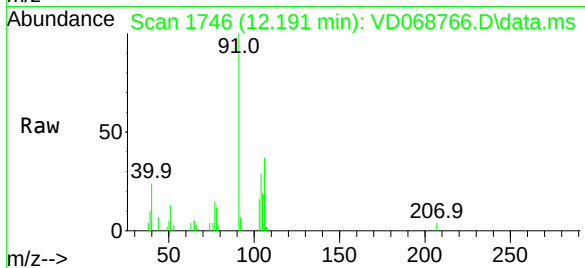
103 85.9 44.3 66.5#

Instrument :

MSVOA_D

ClientSampleId :

RO-124027RE



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. -0.006 min

Lab File: VD068766.D

Acq: 01 Apr 2021 18:50

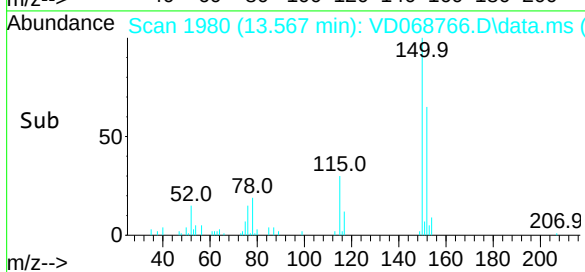
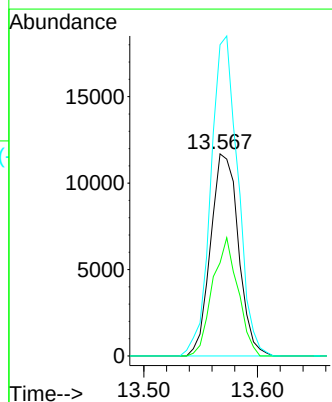
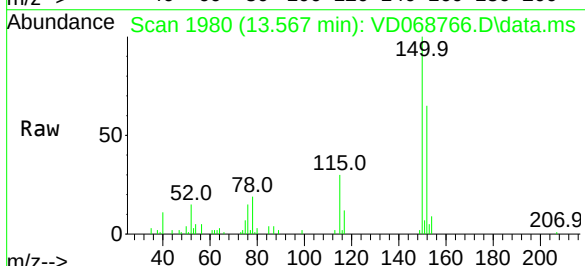
Tgt Ion:152 Resp: 19857

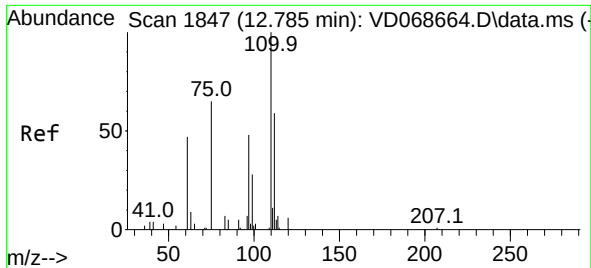
Ion Ratio Lower Upper

152 100

115 53.4 29.3 87.8

150 153.9 0.0 347.6

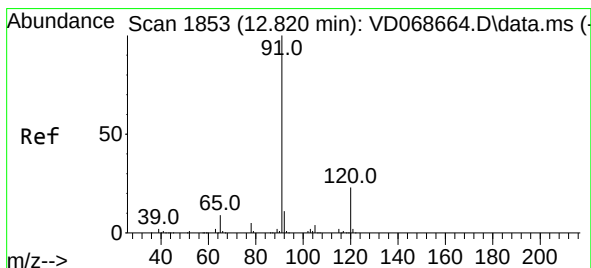
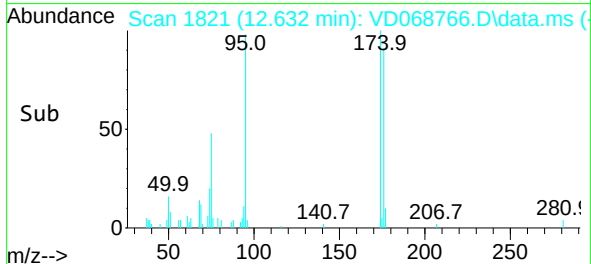
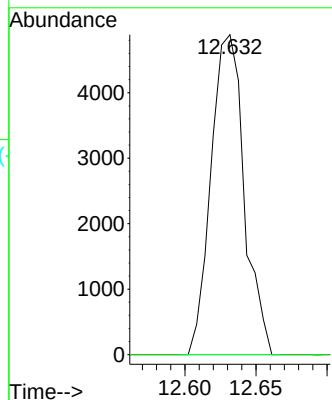
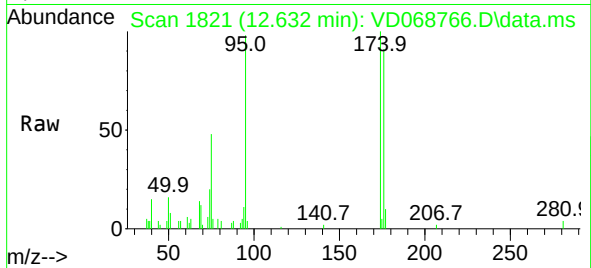




#76
1,2,3-Trichloropropane
Concen: 47.94 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

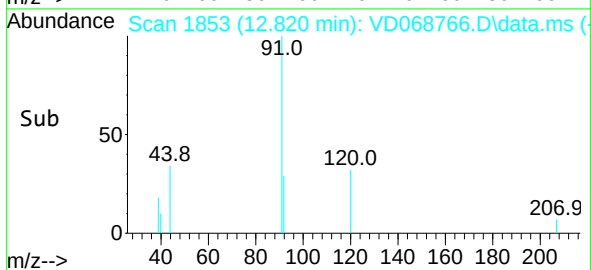
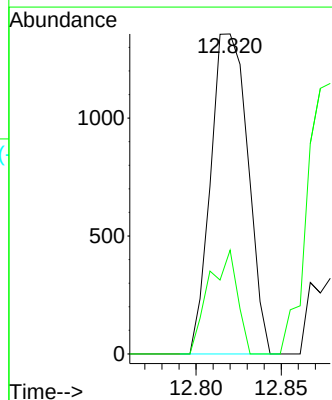
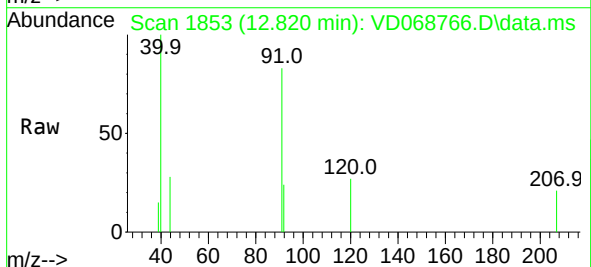
Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

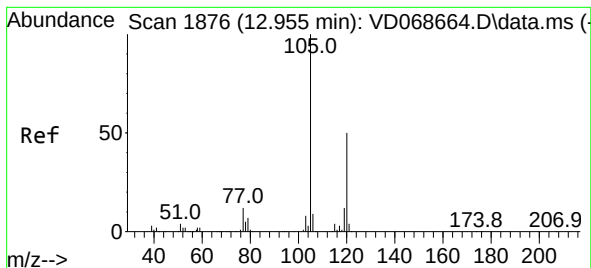
Tgt Ion: 75 Resp: 7923
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.27 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion: 91 Resp: 2060
Ion Ratio Lower Upper
91 100
120 24.8 11.4 34.2

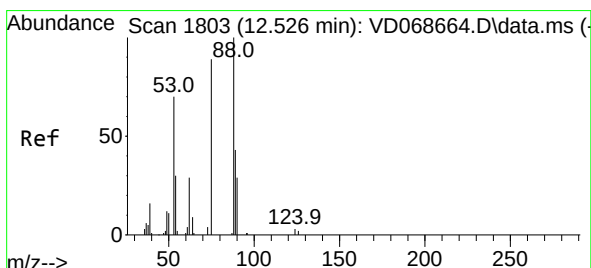
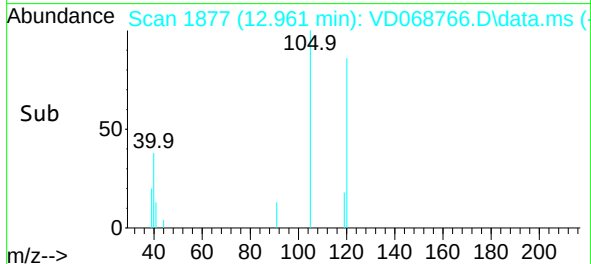
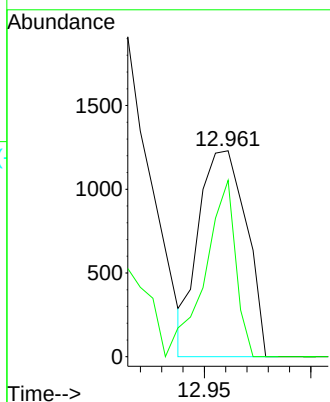
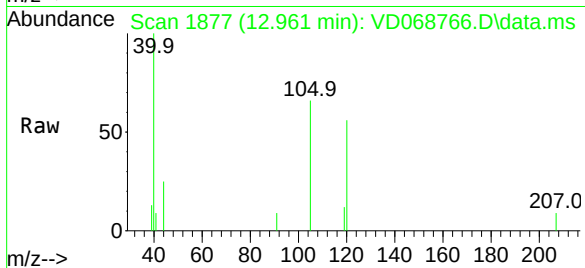




#80
1,3,5-Trimethylbenzene
Concen: 1.73 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

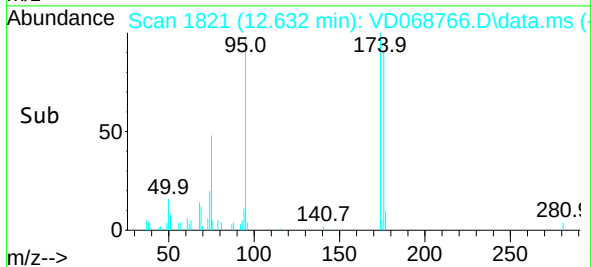
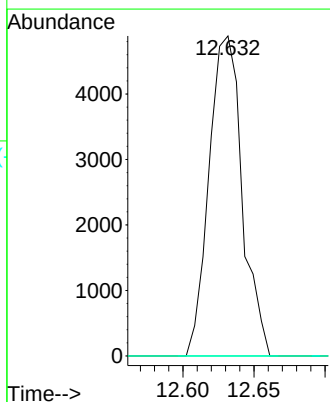
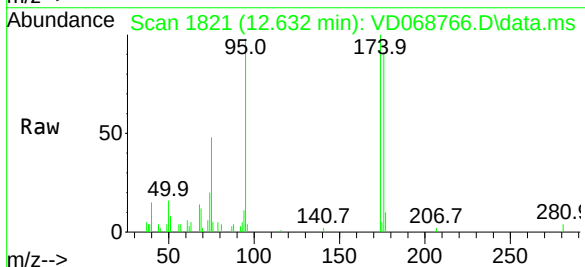
Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

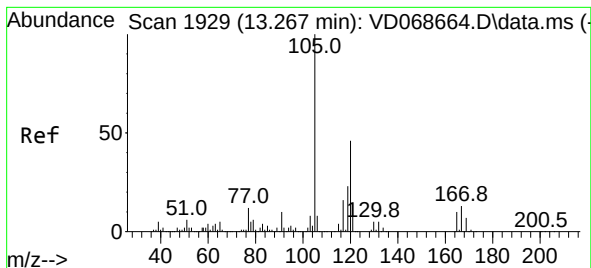
Tgt Ion:105 Resp: 1913
Ion Ratio Lower Upper
105 100
120 55.0 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 109.07 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion: 75 Resp: 7923
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#

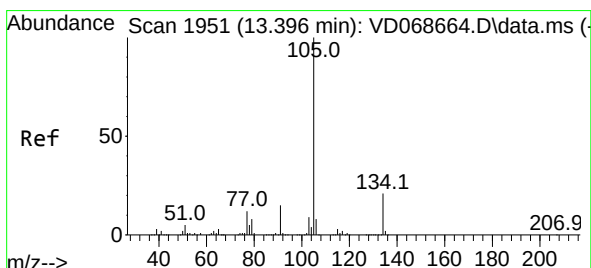
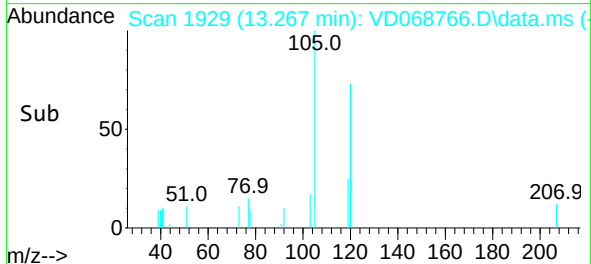
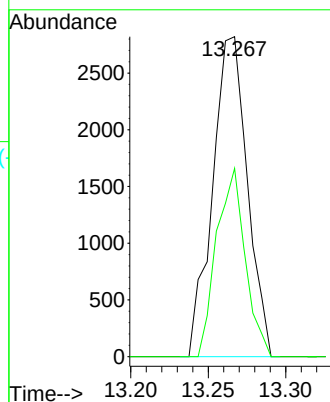
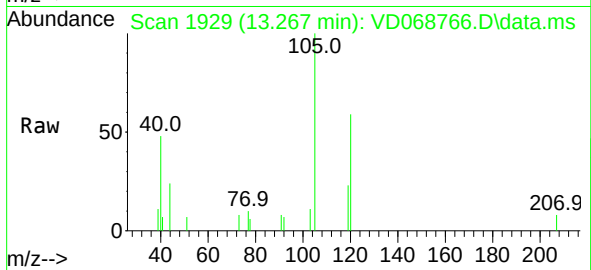




#84
1,2,4-Trimethylbenzene
Concen: 3.87 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

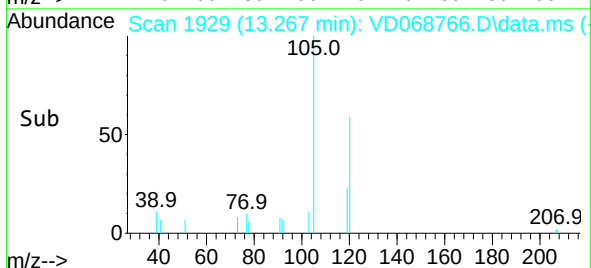
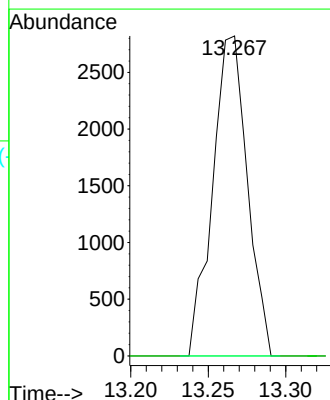
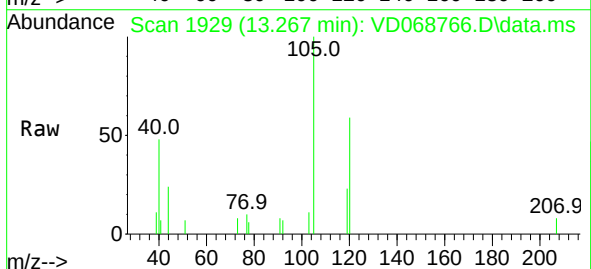
Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

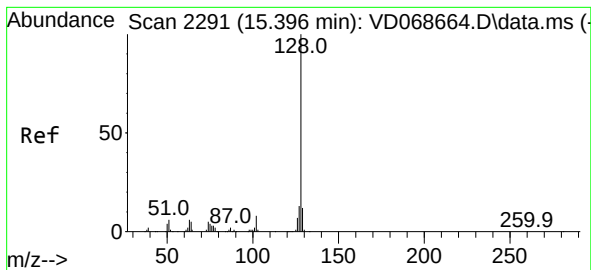
Tgt Ion:105 Resp: 4409
Ion Ratio Lower Upper
105 100
120 48.3 22.6 67.7



#85
sec-Butylbenzene
Concen: 3.23 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.129 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Tgt Ion:105 Resp: 4409
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#





#95
Naphthalene
Concen: 1.02 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.012 min
Lab File: VD068766.D
Acq: 01 Apr 2021 18:50

Instrument :
MSVOA_D
ClientSampleId :
RO-124027RE

Tgt Ion:128 Resp: 628
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.9 13.3#

