

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041921\
 Data File : VD068899.D
 Acq On : 19 Apr 2021 15:08
 Operator : VA/SY
 Sample : M2070-07RE
 Misc : 5.1G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JGD-3150-D3550-BRE

Quant Time: Apr 20 00:52:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

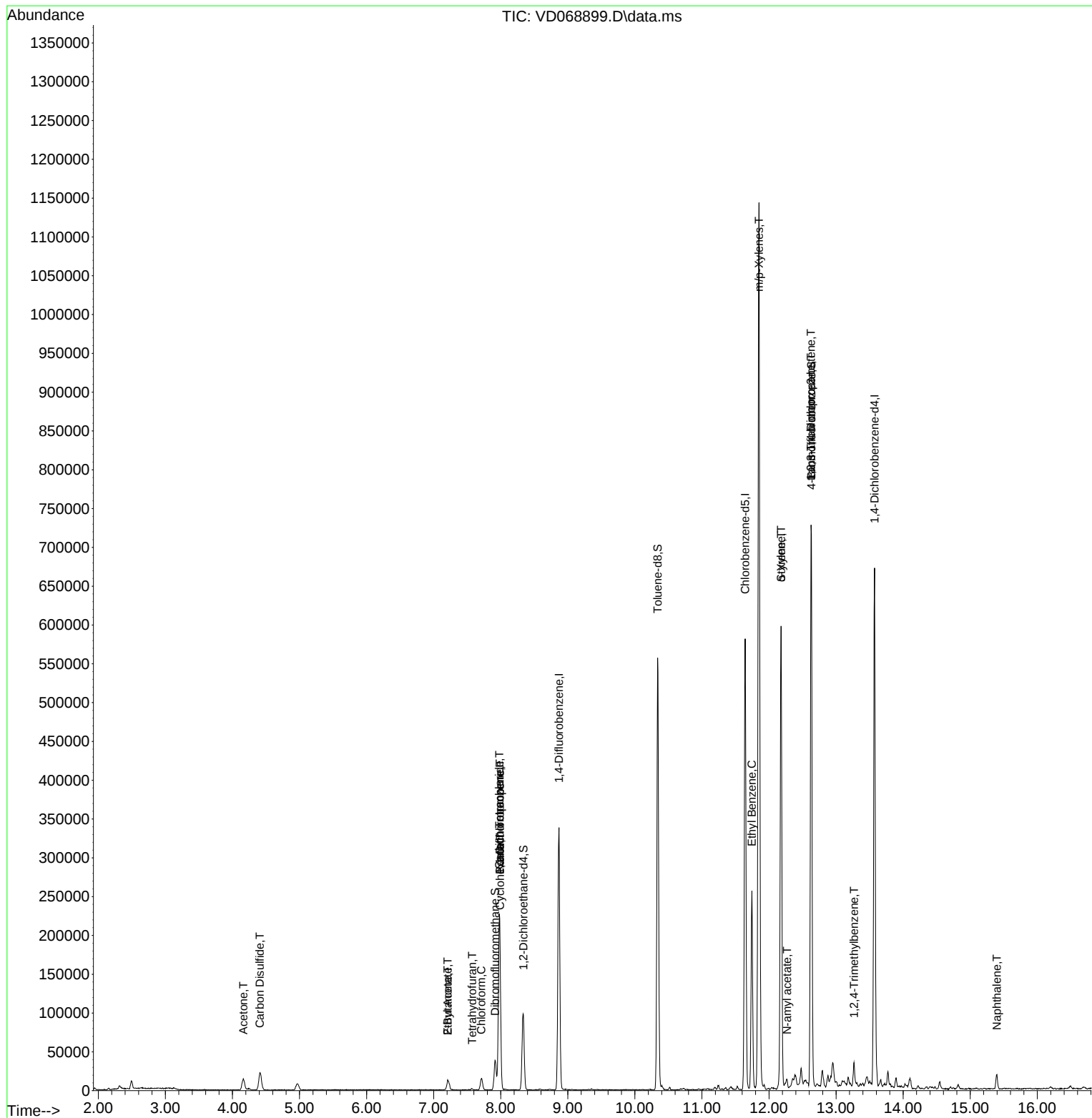
Internal Standards						
1) Pentafluorobenzene	7.985	168	174633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	304921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	350209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	182010	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	78623	42.60	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.20%		
35) Dibromofluoromethane	7.914	113	27651	13.94	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	27.88%#		
50) Toluene-d8	10.338	98	387606	51.81	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.62%		
62) 4-Bromofluorobenzene	12.632	95	169970	68.40	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	136.80%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.226	59	60	Below Cal	#	73
16) Acetone	4.162	43	24792	97.00	ug/l	98
17) Carbon Disulfide	4.409	76	50187	8.87	ug/l	98
20) Methylene Chloride	4.968	84	7600	Below Cal		92
25) 2-Butanone	7.209	43	19309	53.39	ug/l	96
29) Tetrahydrofuran	7.573	42	769	3.16	ug/l #	68
30) Chloroform	7.709	83	14884	3.78	ug/l	84
31) Cyclohexane	7.991	56	3751	1.22	ug/l #	61
36) 1,1-Dichloropropene	7.985	75	13182	4.27	ug/l #	48
37) Ethyl Acetate	7.209	43	19309	21.30	ug/l #	64
38) Carbon Tetrachloride	7.979	117	16988	5.56	ug/l #	17
67) Ethyl Benzene	11.744	91	182912	13.93	ug/l	100
68) m/p-Xylenes	11.850	106	366633	72.38	ug/l	98
69) o-Xylene	12.179	106	169123	36.72	ug/l	99
70) Styrene	12.179	104	9197	1.15	ug/l #	1
74) N-amyl acetate	12.267	43	3391	1.50	ug/l #	56
76) 1,2,3-Trichloropropane	12.626	75	85548	51.45	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	85548	119.40	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.267	105	16327	1.45	ug/l	93
95) Naphthalene	15.396	128	16739	2.84	ug/l #	96

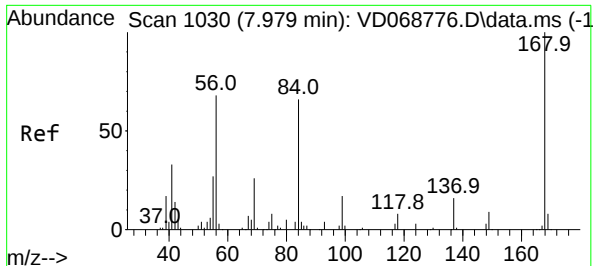
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
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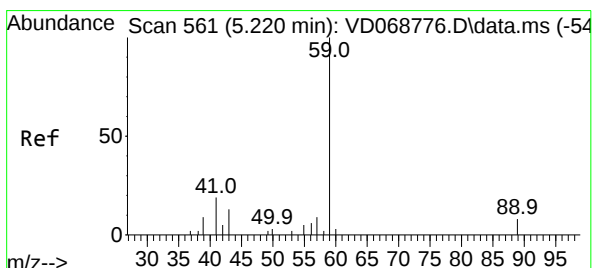
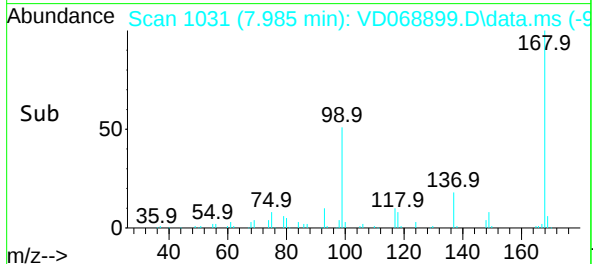
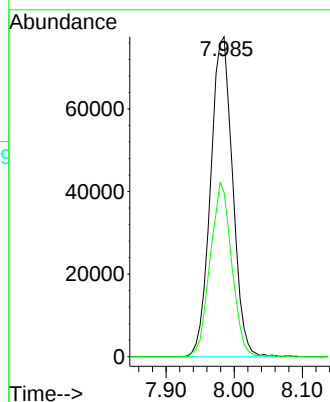
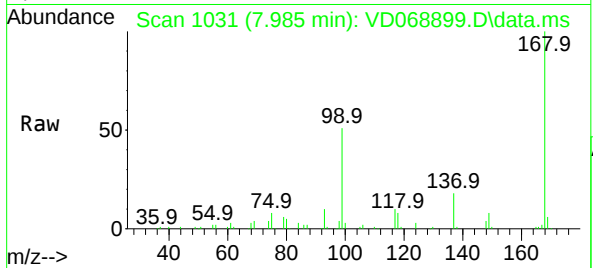




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

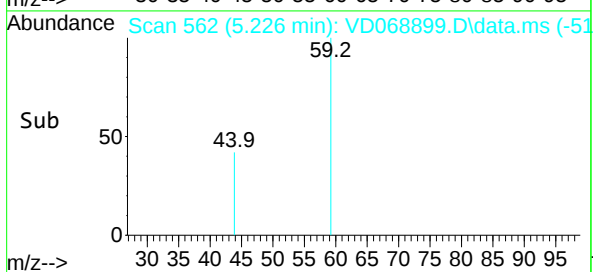
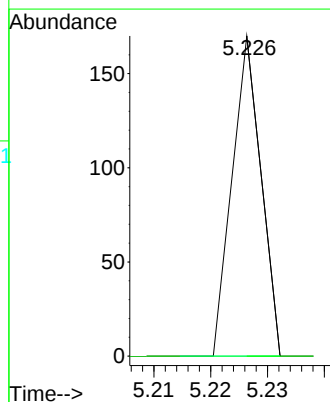
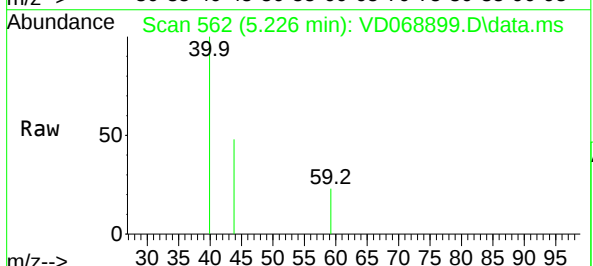
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE

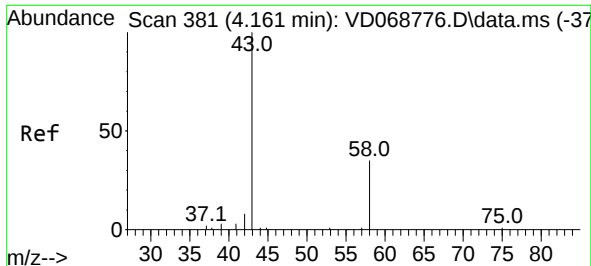
Tgt Ion:168 Resp: 174633
Ion Ratio Lower Upper
168 100
99 51.4 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

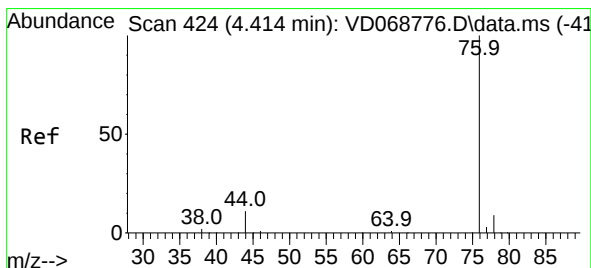
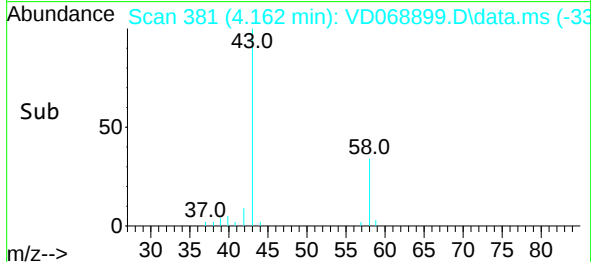
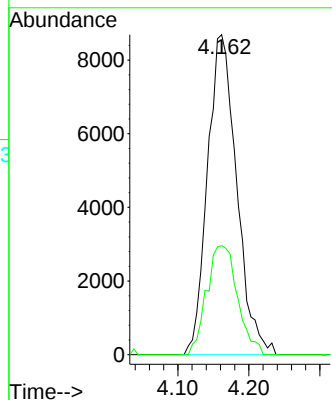
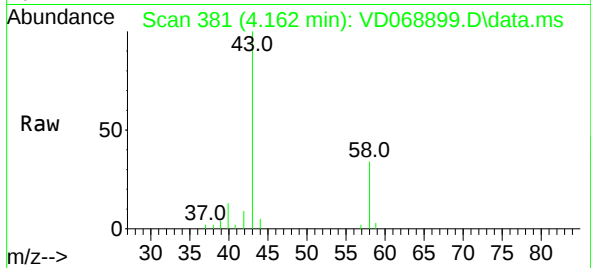




#16
Acetone
Concen: 97.00 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

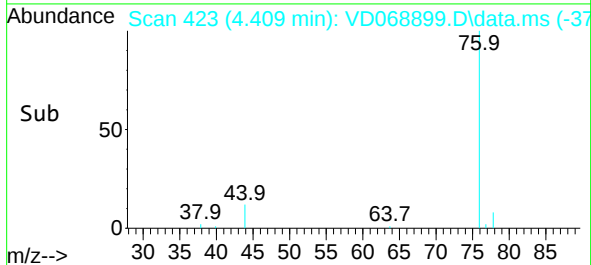
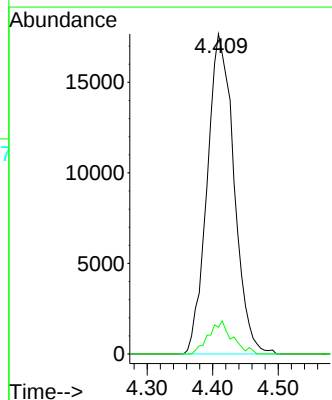
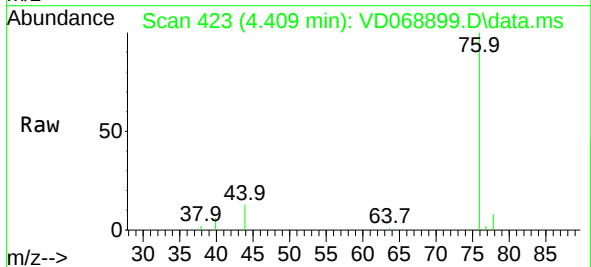
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE

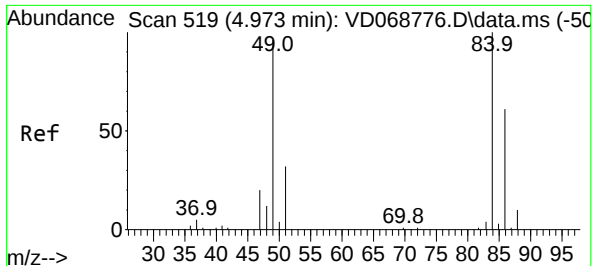
Tgt Ion: 43 Resp: 24792
Ion Ratio Lower Upper
43 100
58 34.1 28.0 42.0



#17
Carbon Disulfide
Concen: 8.87 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

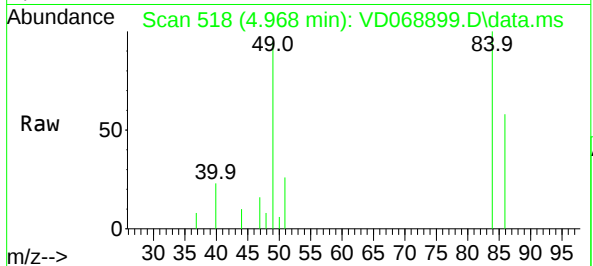
Tgt Ion: 76 Resp: 50187
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9



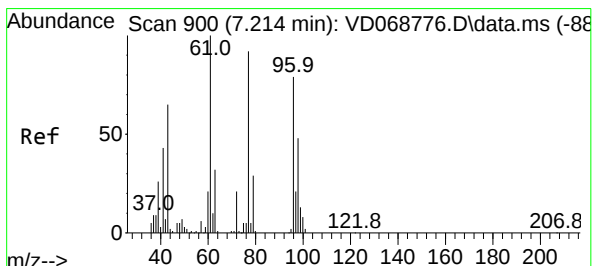
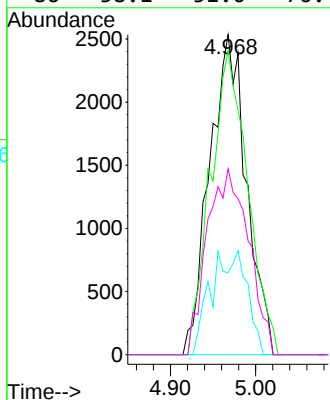
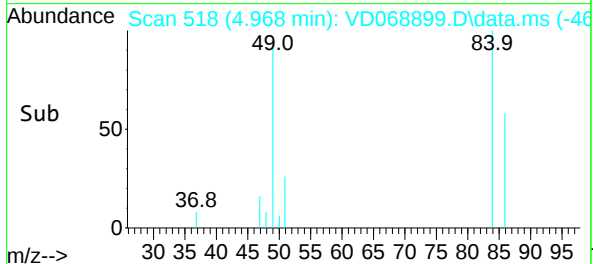


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. -0.005 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

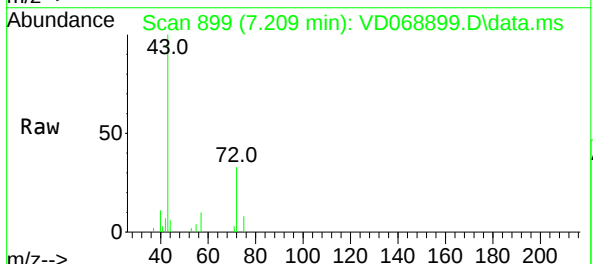
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE



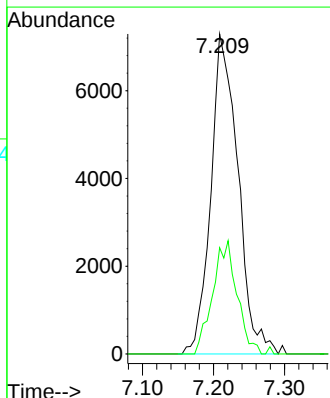
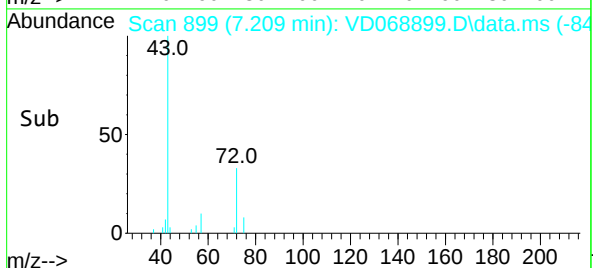
Tgt Ion:	84	Resp:	7600
Ion	Ratio	Lower	Upper
84	100		
49	94.9	83.4	125.0
51	25.6	23.4	35.2
86	58.1	51.0	76.4

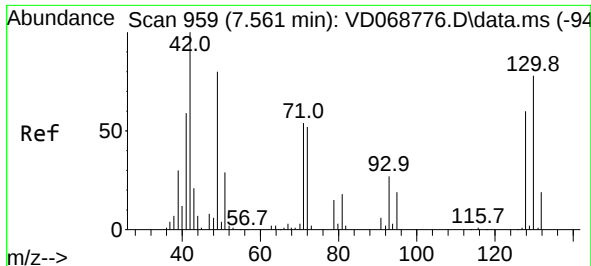


#25
2-Butanone
Concen: 53.39 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08



Tgt Ion:	43	Resp:	19309
Ion	Ratio	Lower	Upper
43	100		
72	33.2	28.6	43.0





#29

Tetrahydrofuran

Concen: 3.16 ug/l

RT: 7.573 min Scan# 961

Delta R.T. 0.012 min

Lab File: VD068899.D

Acq: 19 Apr 2021 15:08

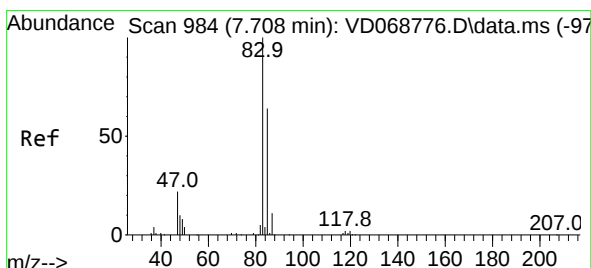
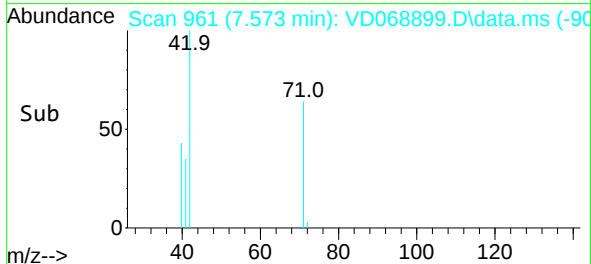
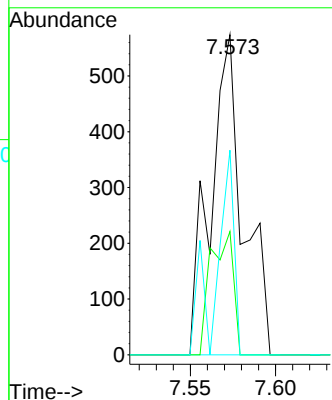
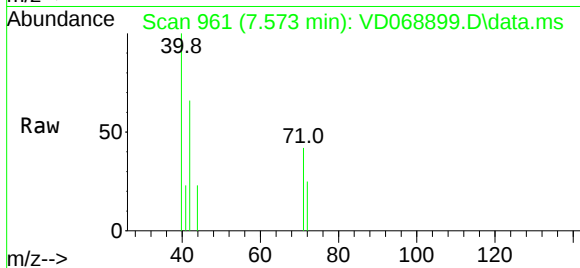
Tgt Ion: 42 Resp: 769

Ion Ratio Lower Upper

42 100

72 26.8 45.2 67.8#

71 35.2 40.8 61.2#



#30

Chloroform

Concen: 3.78 ug/l

RT: 7.709 min Scan# 984

Delta R.T. 0.001 min

Lab File: VD068899.D

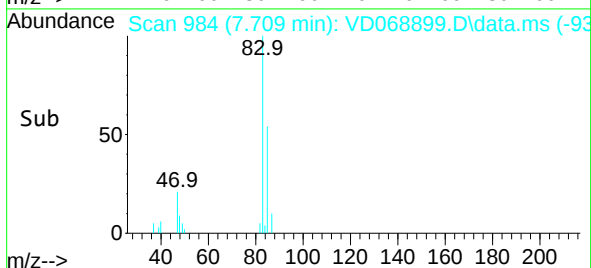
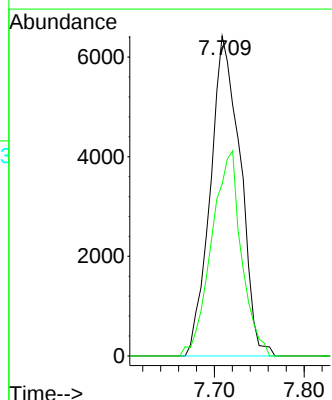
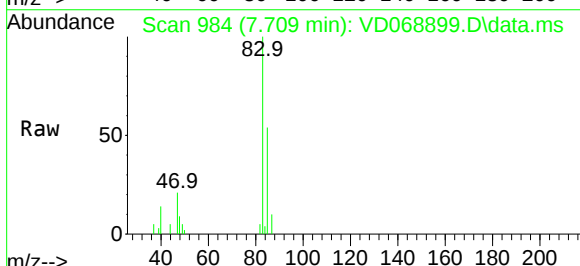
Acq: 19 Apr 2021 15:08

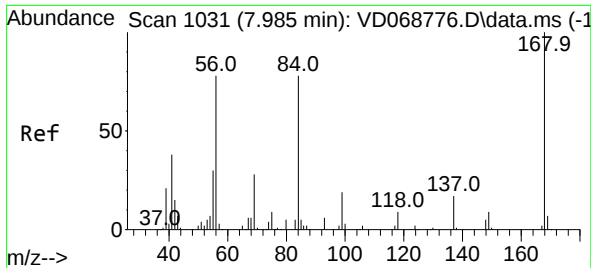
Tgt Ion: 83 Resp: 14884

Ion Ratio Lower Upper

83 100

85 53.7 53.3 79.9

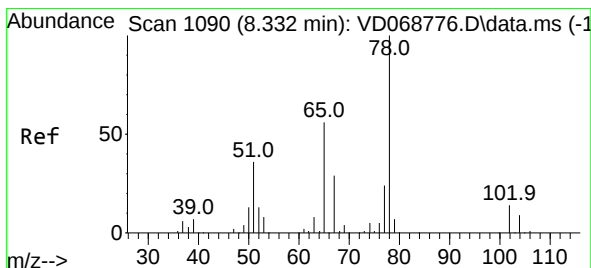
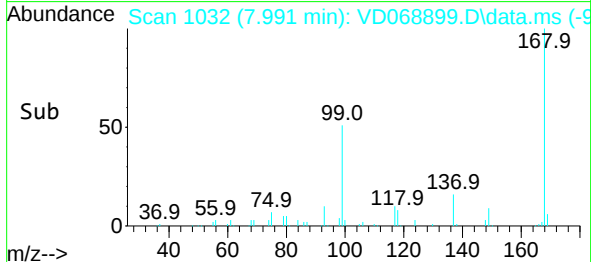
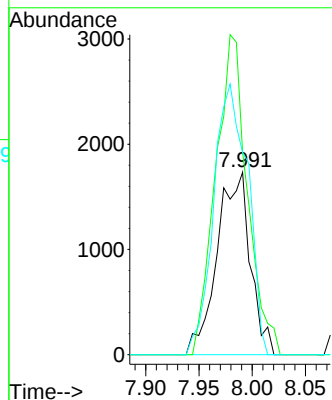
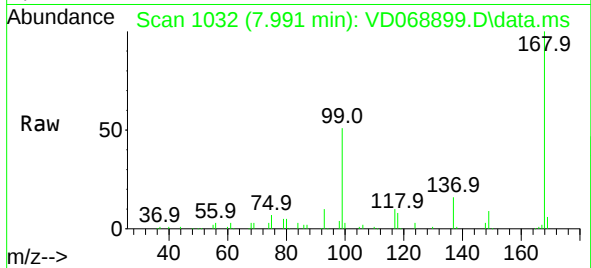




#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

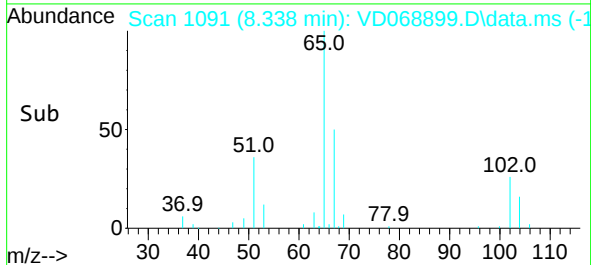
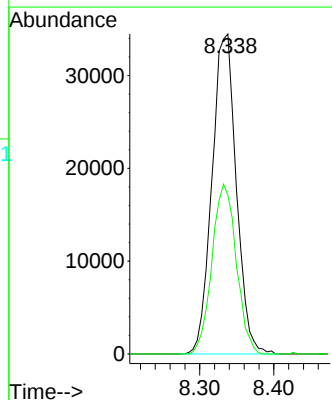
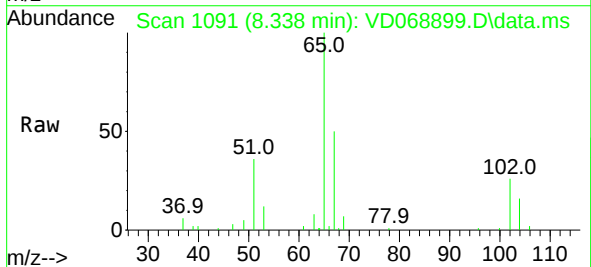
Instrument :
MSVOA_D
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JGD-3150-D3550-BRE

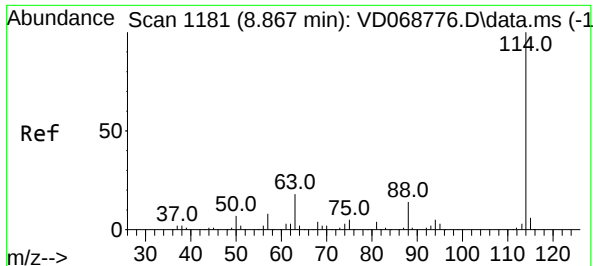
Tgt Ion: 56 Resp: 3751
Ion Ratio Lower Upper
56 100
69 111.0 30.0 45.0#
84 110.8 82.0 123.0



#33
1,2-Dichloroethane-d4
Concen: 42.60 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

Tgt Ion: 65 Resp: 78623
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.0

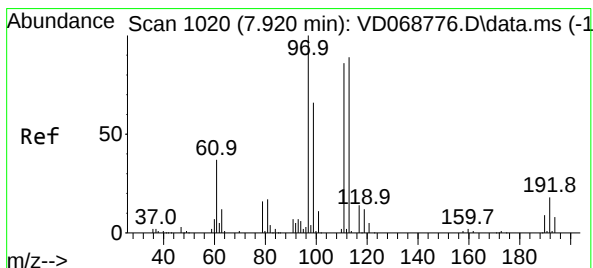
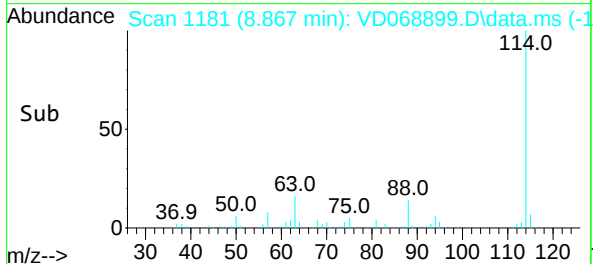
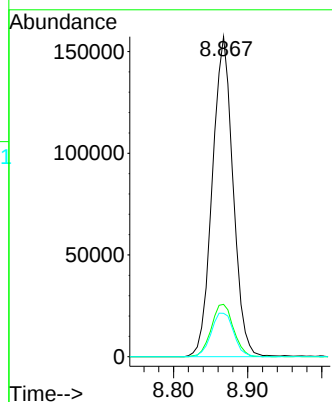
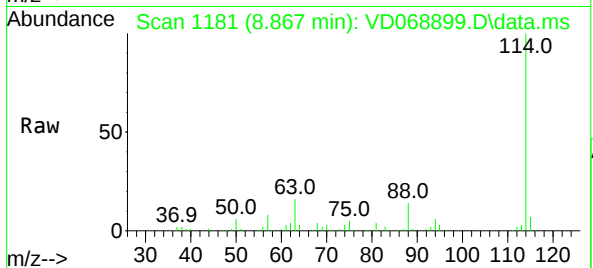




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

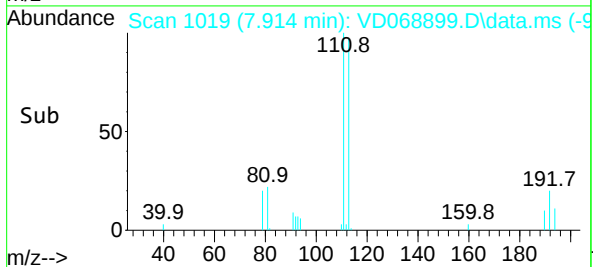
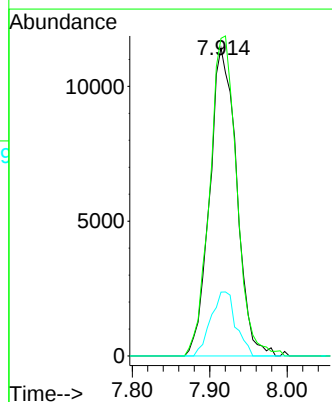
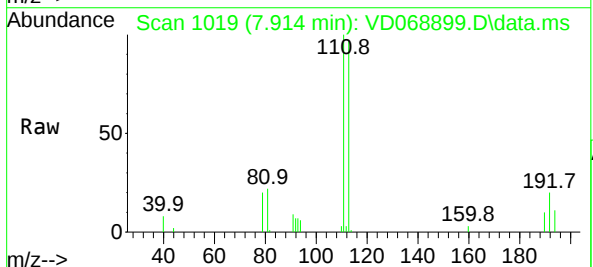
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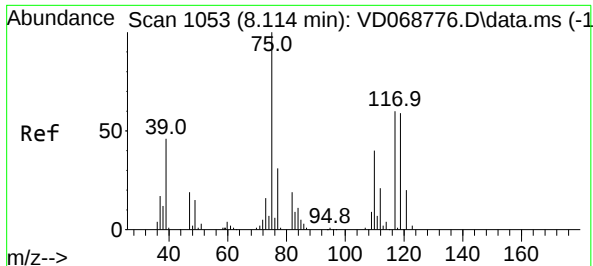
Tgt Ion:114 Resp: 304921
Ion Ratio Lower Upper
114 100
63 16.4 0.0 38.2
88 13.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 13.94 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

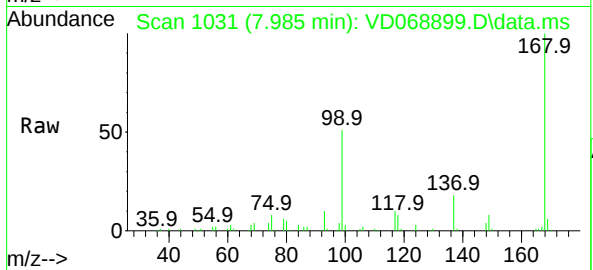
Tgt Ion:113 Resp: 27651
Ion Ratio Lower Upper
113 100
111 104.1 82.5 123.7
192 19.2 15.1 22.7



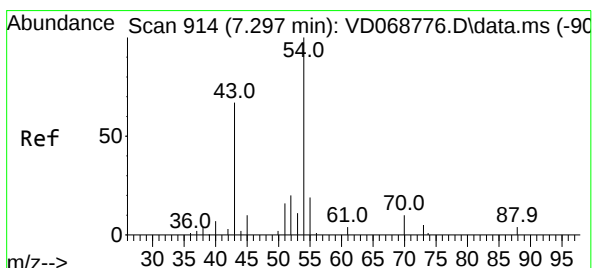
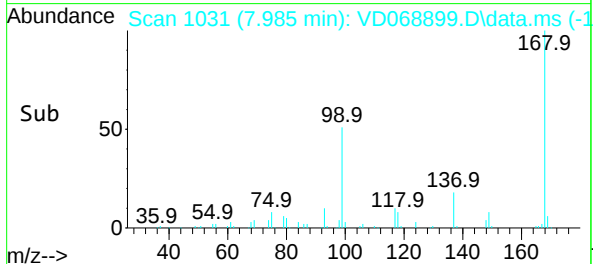
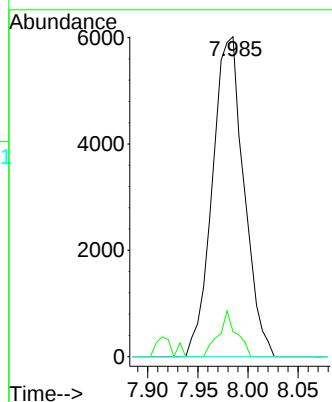


#36
1,1-Dichloropropene
Concen: 4.27 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE

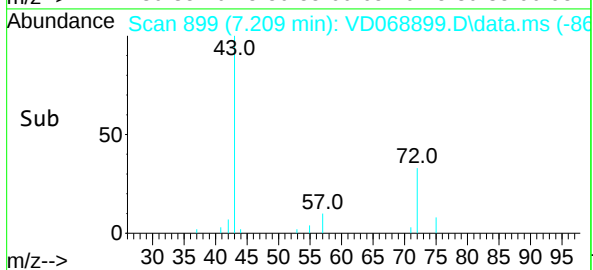
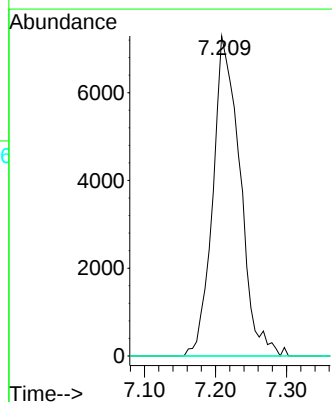
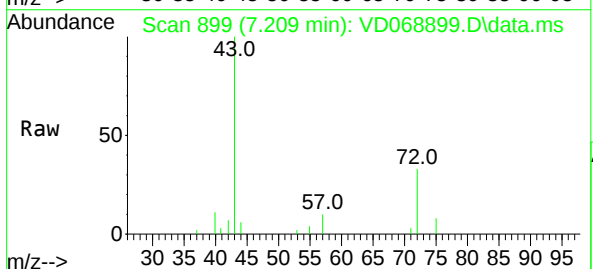


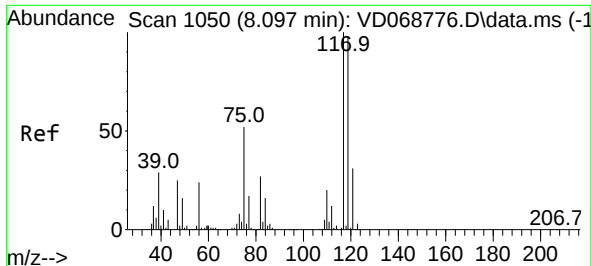
Tgt Ion: 75 Resp: 13182
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.4#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 21.30 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.088 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

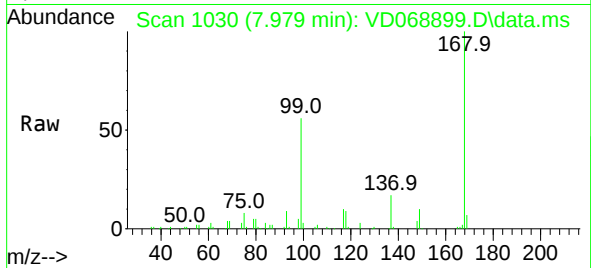
Tgt Ion: 43 Resp: 19309
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
70 0.0 9.4 14.0#



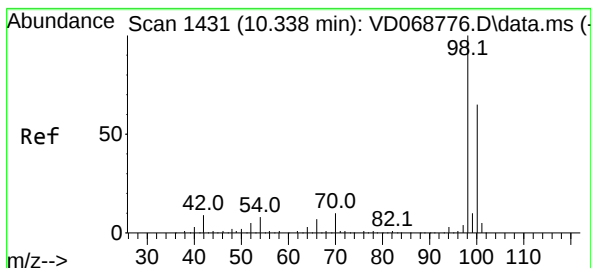
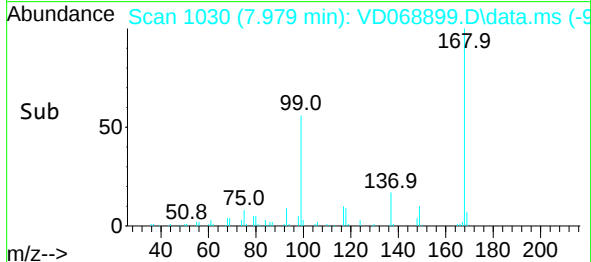
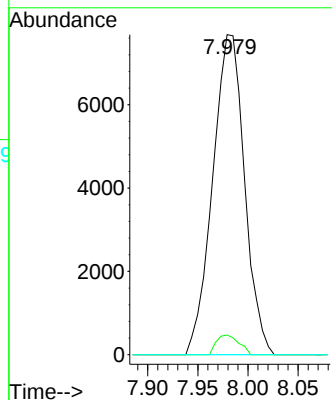


#38
Carbon Tetrachloride
Concen: 5.56 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE

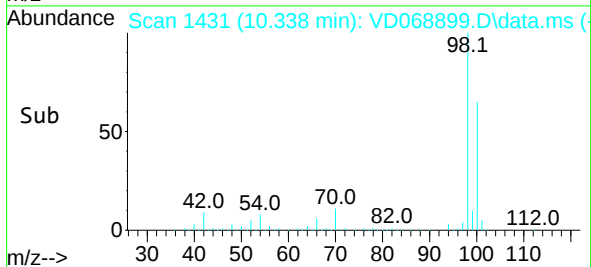
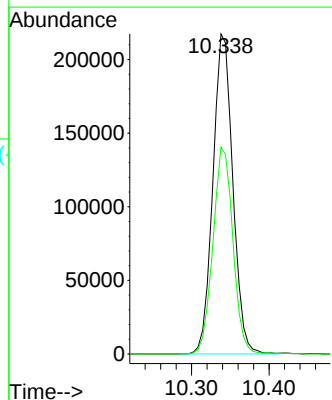
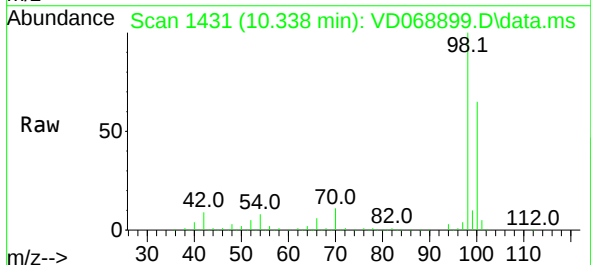


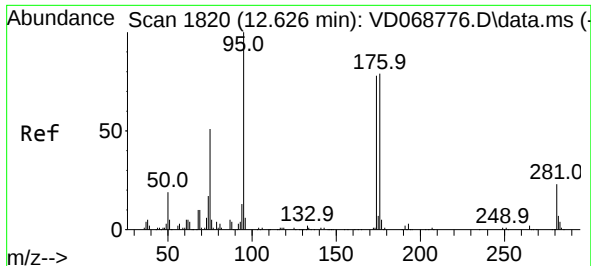
Tgt Ion:117 Resp: 16988
Ion Ratio Lower Upper
117 100
119 6.1 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 51.81 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

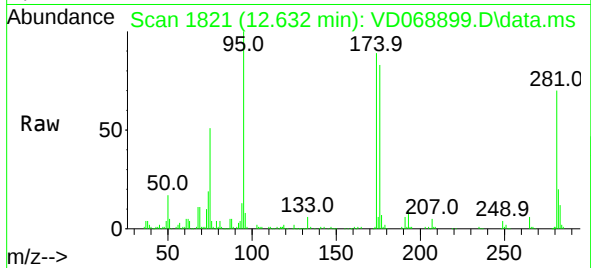
Tgt Ion: 98 Resp: 387606
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



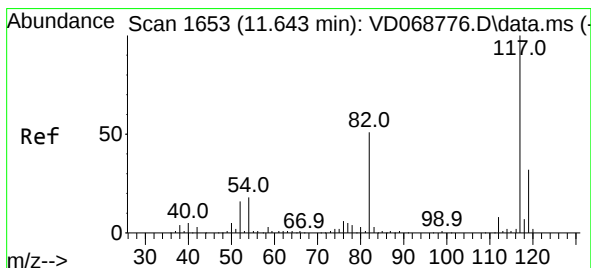
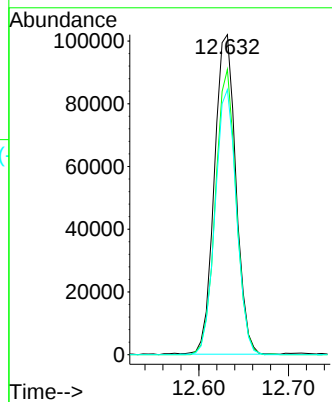
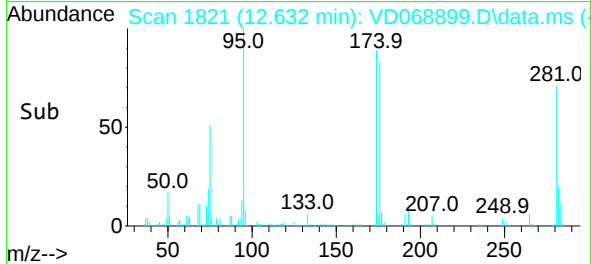


#62
4-Bromofluorobenzene
Concen: 68.40 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

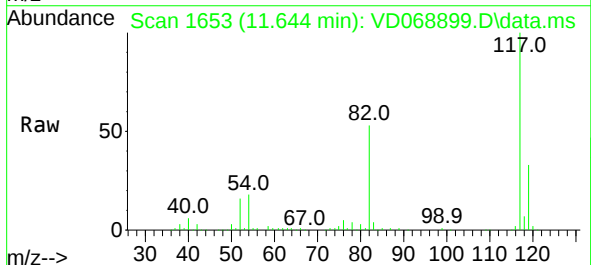
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE



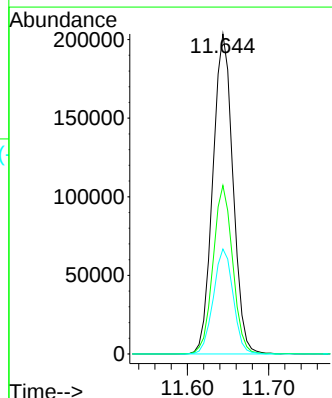
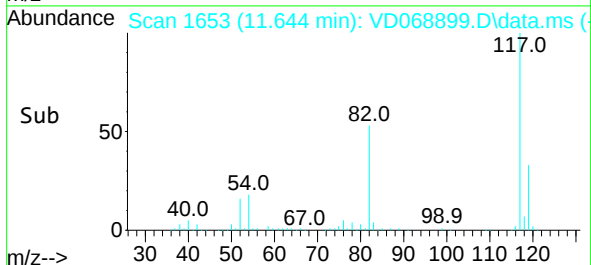
Tgt Ion: 95 Resp: 169970
Ion Ratio Lower Upper
95 100
174 85.6 0.0 168.0
176 81.8 0.0 160.2

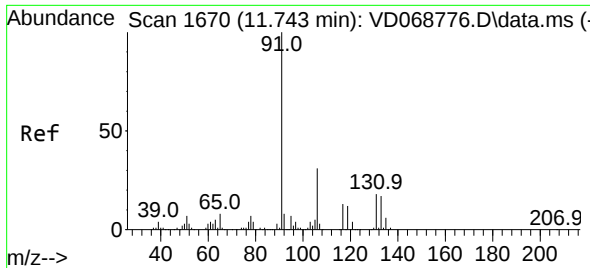


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08



Tgt Ion: 117 Resp: 350209
Ion Ratio Lower Upper
117 100
82 52.6 43.5 65.3
119 32.8 26.7 40.1

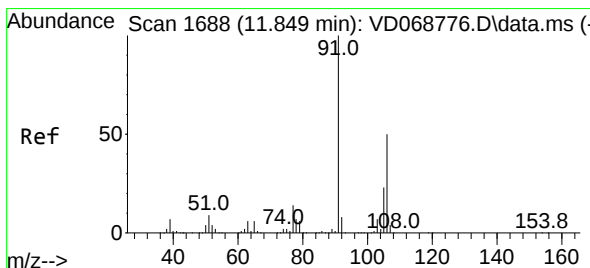
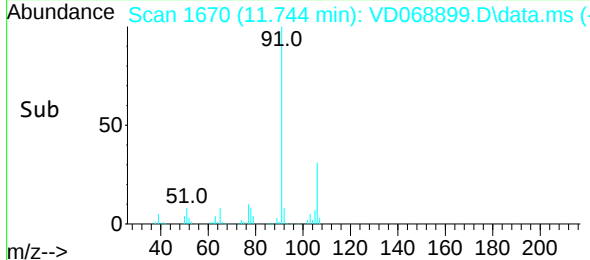
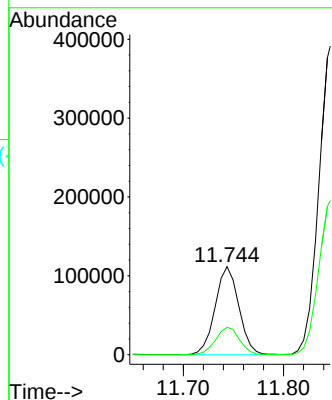
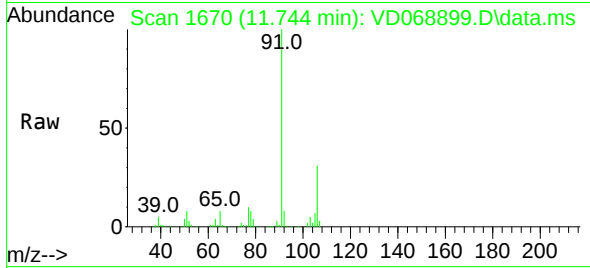




#67
Ethyl Benzene
Concen: 13.93 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.001 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

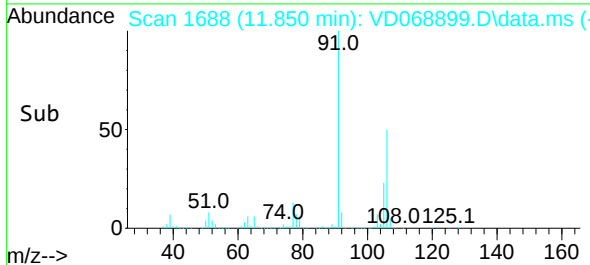
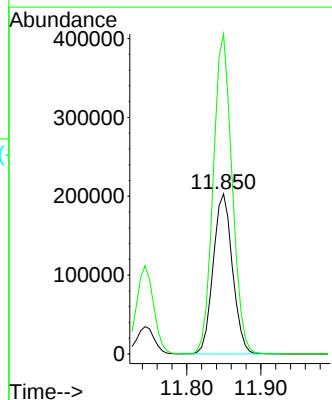
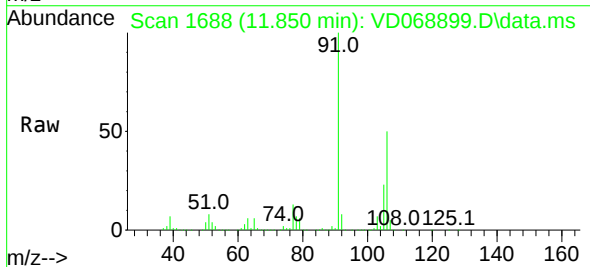
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE

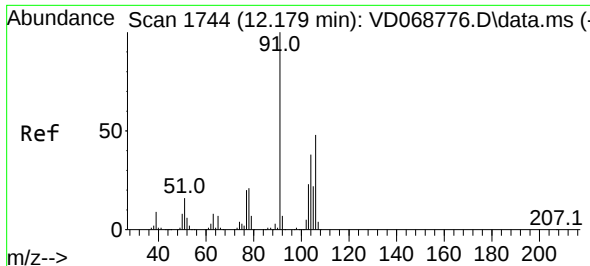
Tgt Ion: 91 Resp: 182912
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7



#68
m/p-Xylenes
Concen: 72.38 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. 0.001 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

Tgt Ion: 106 Resp: 366633
Ion Ratio Lower Upper
106 100
91 195.9 158.6 238.0

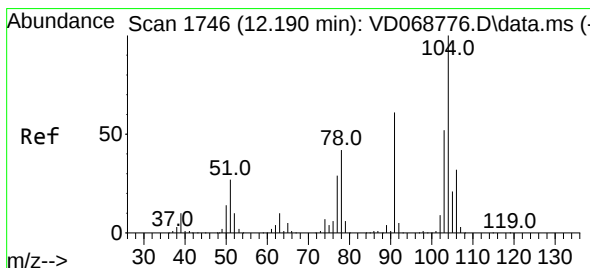
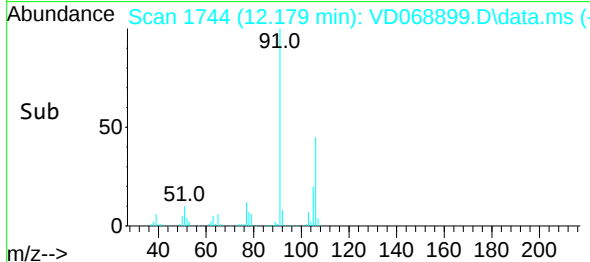
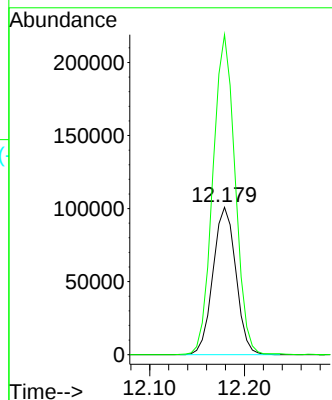
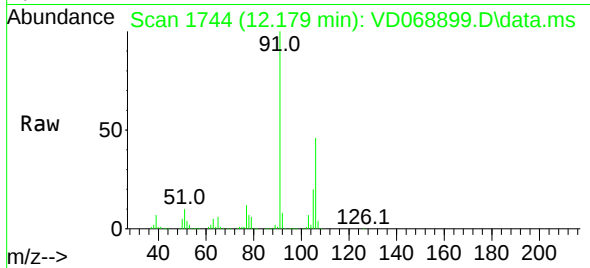




#69
o-Xylene
Concen: 36.72 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

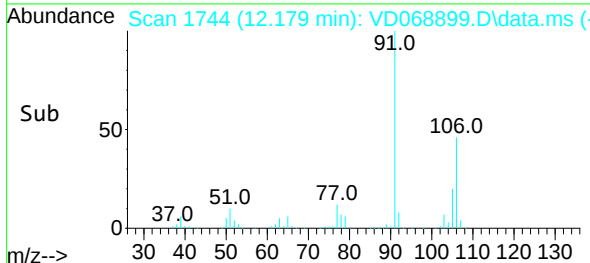
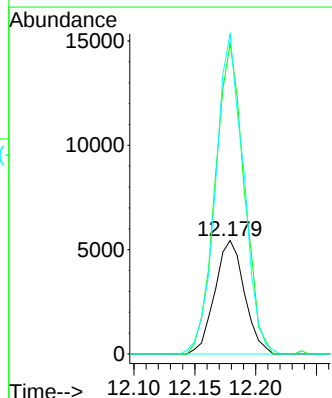
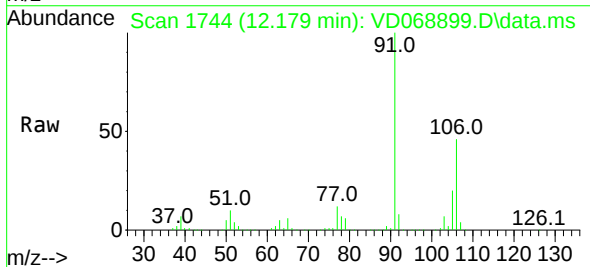
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE

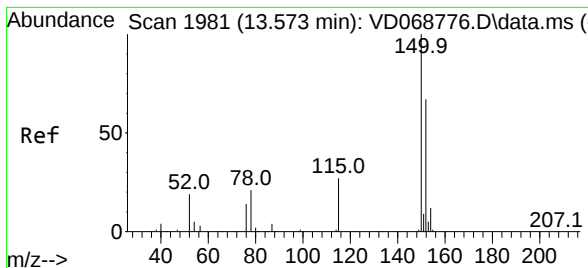
Tgt Ion:106 Resp: 169123
Ion Ratio Lower Upper
106 100
91 211.8 105.0 315.0



#70
Styrene
Concen: 1.15 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.011 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

Tgt Ion:104 Resp: 9197
Ion Ratio Lower Upper
104 100
78 266.1 36.9 55.3#
103 266.4 44.3 66.5#

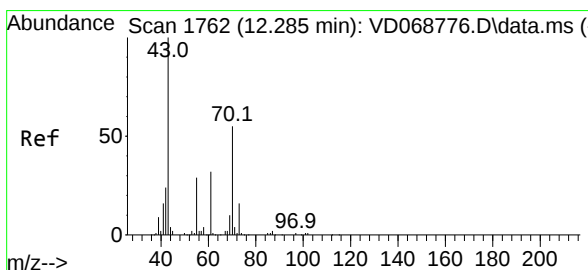
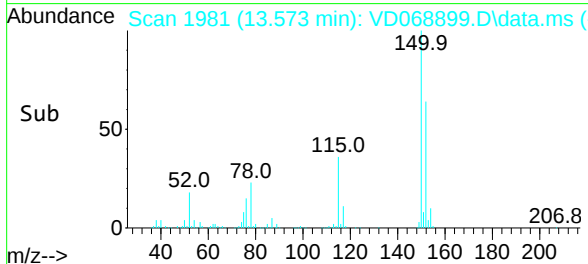
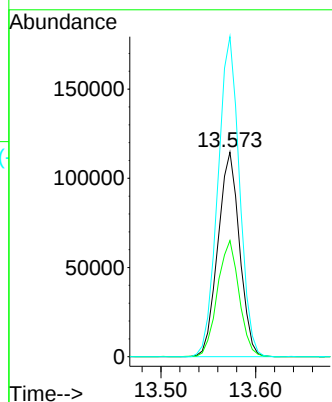
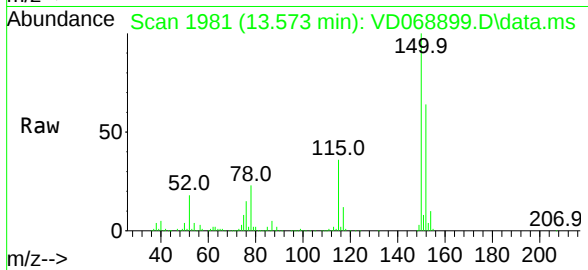




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

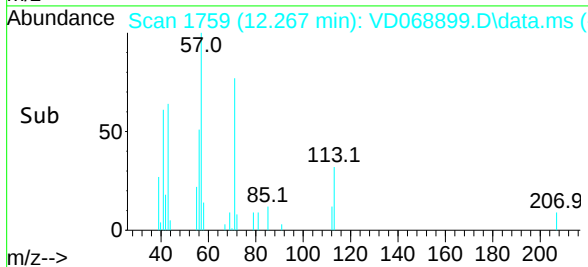
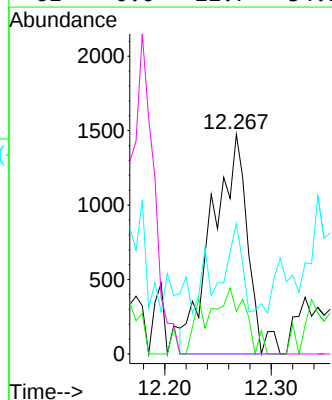
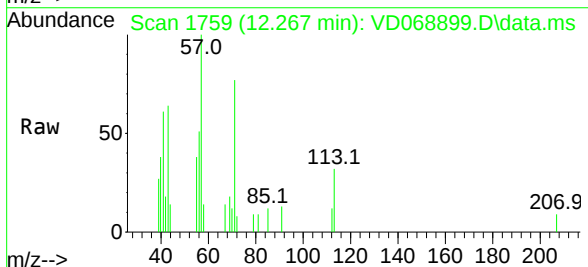
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE

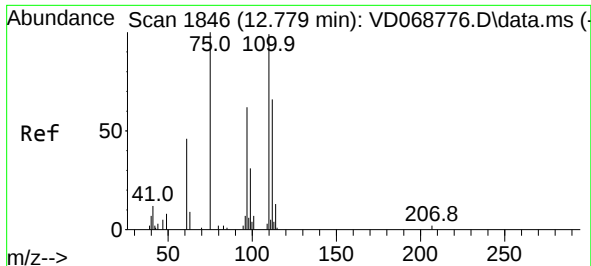
Tgt Ion:152 Resp: 182010
Ion Ratio Lower Upper
152 100
115 57.0 29.3 87.8
150 156.2 0.0 347.6



#74
N-ethyl acetate
Concen: 1.50 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

Tgt Ion: 43 Resp: 3391
Ion Ratio Lower Upper
43 100
70 19.0 41.9 62.9#
55 14.2 22.8 34.2#
61 0.0 22.7 34.1#

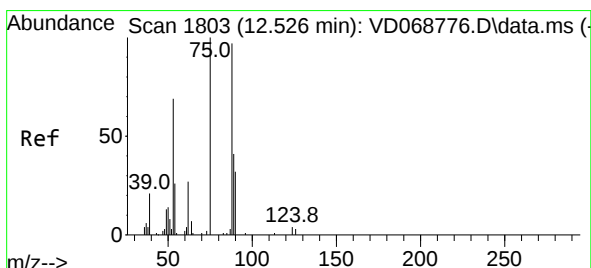
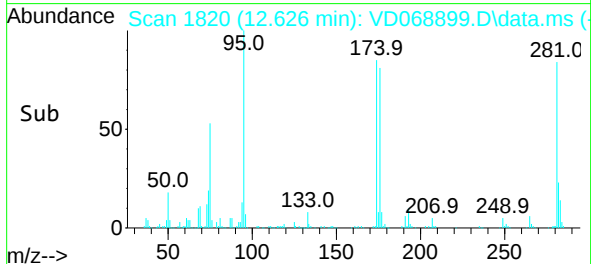
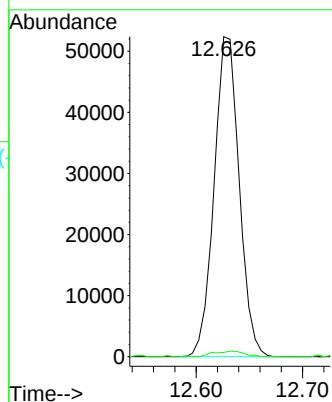
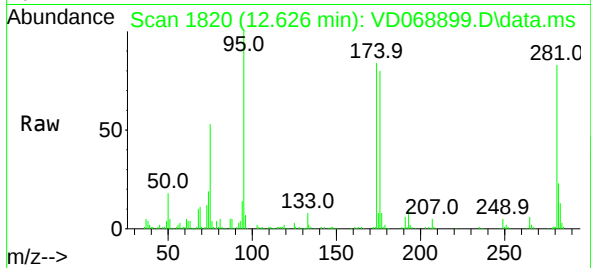




#76
1,2,3-Trichloropropane
Concen: 51.45 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

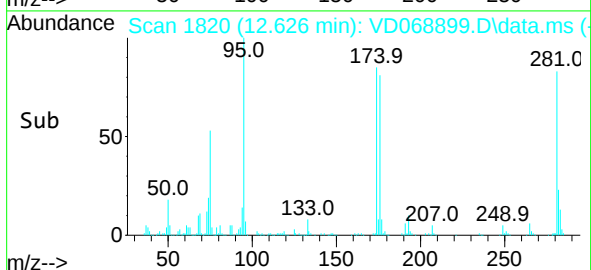
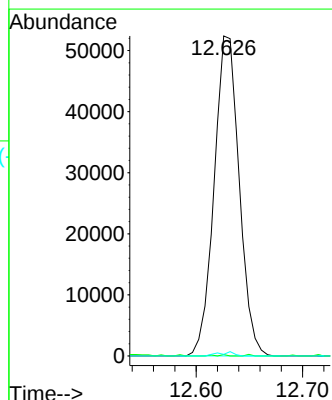
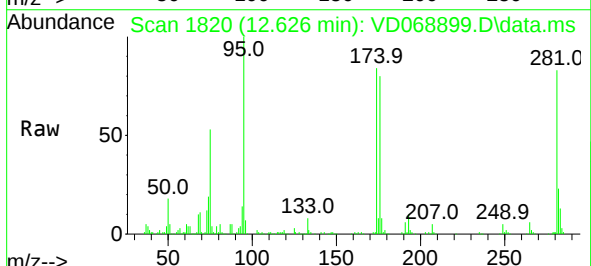
Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE

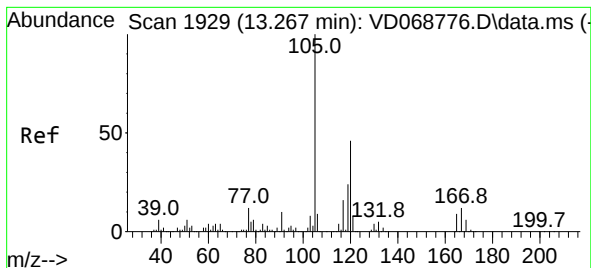
Tgt Ion: 75 Resp: 85548
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.40 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

Tgt Ion: 75 Resp: 85548
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.8 36.6 54.8#

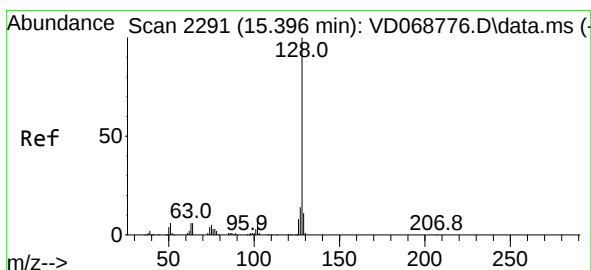
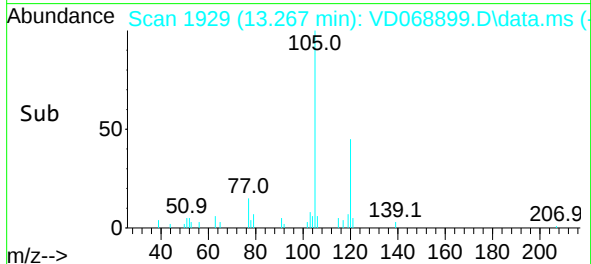
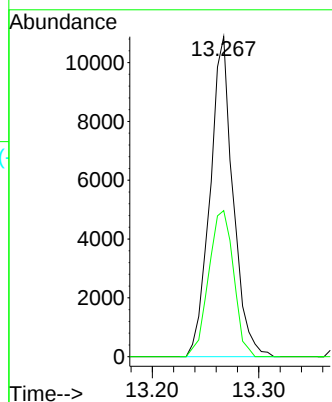
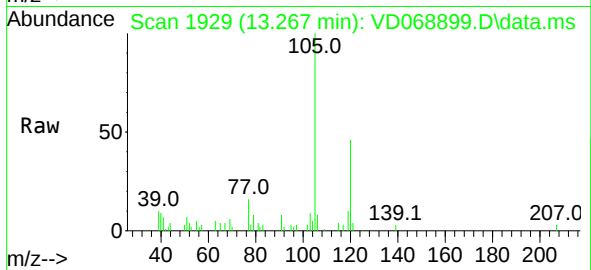




#84
1,2,4-Trimethylbenzene
Concen: 1.45 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

Instrument :
MSVOA_D
ClientSampleId :
JGD-3150-D3550-BRE

Tgt Ion:105 Resp: 16327
Ion Ratio Lower Upper
105 100
120 49.4 22.6 67.7



#95
Naphthalene
Concen: 2.84 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068899.D
Acq: 19 Apr 2021 15:08

Tgt Ion:128 Resp: 16739
Ion Ratio Lower Upper
128 100
127 15.6 10.2 15.4#
129 10.5 8.9 13.3

