

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061721\
 Data File : VD069489.D
 Acq On : 17 Jun 2021 19:38
 Operator : VA/SY
 Sample : M2764-03
 Misc : 8.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 18 01:29:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

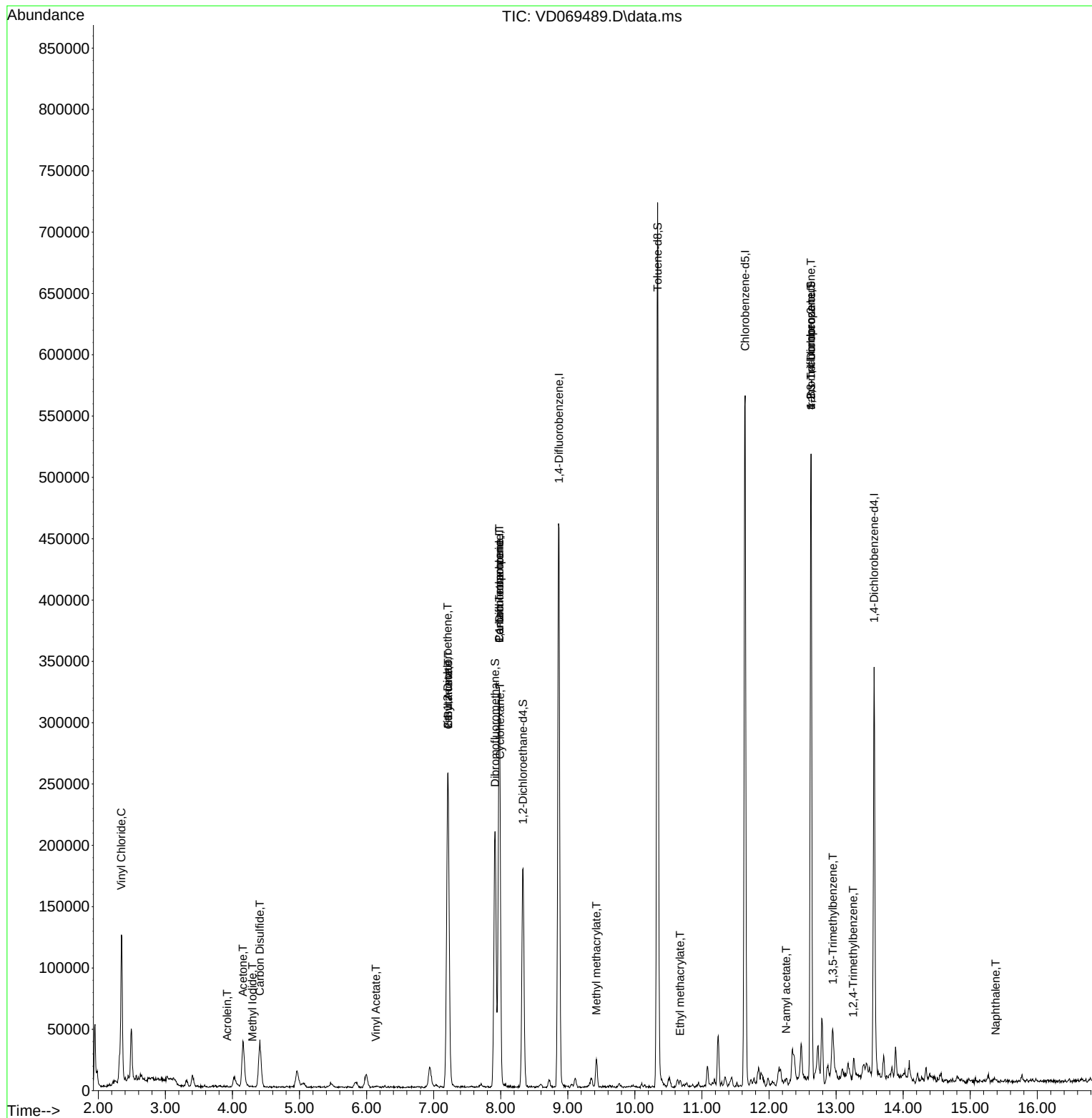
Internal Standards						
1) Pentafluorobenzene	7.979	168	239106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	403283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	345329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	90507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	144025	53.392	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 106.780%		
35) Dibromofluoromethane	7.914	113	155216	51.386	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 102.780%		
50) Toluene-d8	10.338	98	490900	44.434	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 88.860%		
62) 4-Bromofluorobenzene	12.626	95	118260	33.361	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 66.720%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.344	62	97081	33.683	ug/l	100
5) Bromomethane	2.756	94	148	Below Cal	#	5
10) Methyl Iodide	4.297	142	64	3.356	ug/l #	39
13) Acrolein	3.920	56	444	2.540	ug/l	90
16) Acetone	4.156	43	61385	137.481	ug/l	99
17) Carbon Disulfide	4.409	76	77920	9.499	ug/l	97
18) Methyl Acetate	4.732	43	330	Below Cal	#	78
20) Methylene Chloride	4.962	84	11210	Below Cal	#	81
23) Vinyl Acetate	6.138	43	62	17.592	ug/l #	67
25) 2-Butanone	7.214	43	19175	34.440	ug/l	94
27) cis-1,2-Dichloroethene	7.208	96	160845	50.048	ug/l	89
31) Cyclohexane	7.991	56	6553	1.788	ug/l #	67
36) 1,1-Dichloropropene	7.979	75	18877	4.495	ug/l #	43
37) Ethyl Acetate	7.214	43	19175	13.648	ug/l #	1
38) Carbon Tetrachloride	7.979	117	24266	5.334	ug/l #	16
48) Methyl methacrylate	9.426	41	5578	4.617	ug/l #	34
56) Ethyl methacrylate	10.673	69	683	3.062	ug/l #	18
74) N-amyl acetate	12.255	43	1564	1.370	ug/l #	78
76) 1,2,3-Trichloropropane	12.626	75	58560	63.820	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	6496	1.211	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.626	75	58560	170.254	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.255	105	8943	1.668	ug/l	89
95) Naphthalene	15.379	128	1305	3.957	ug/l #	75

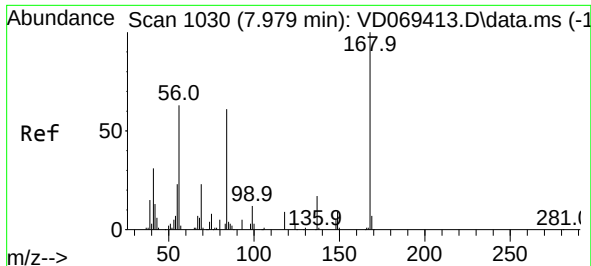
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 18 01:29:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

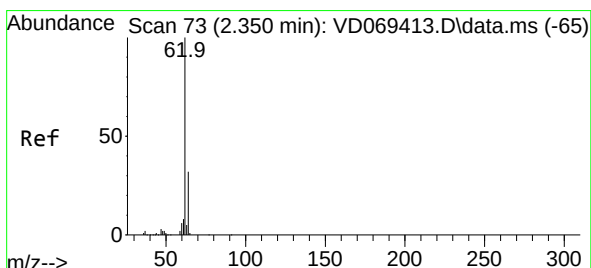
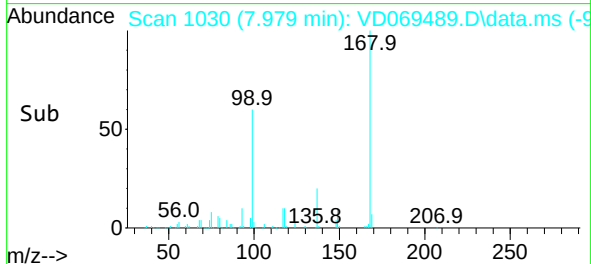
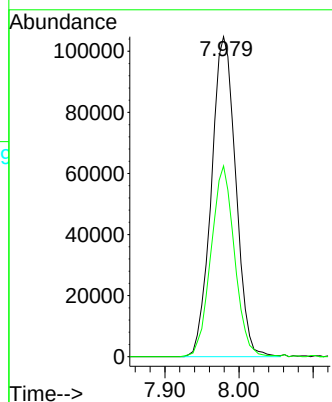
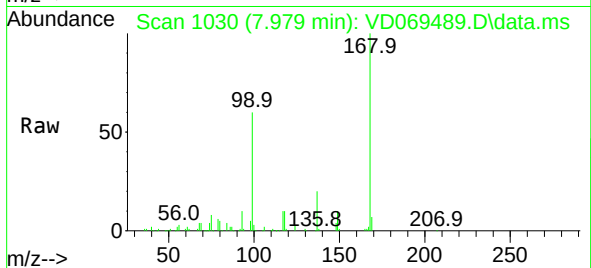




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

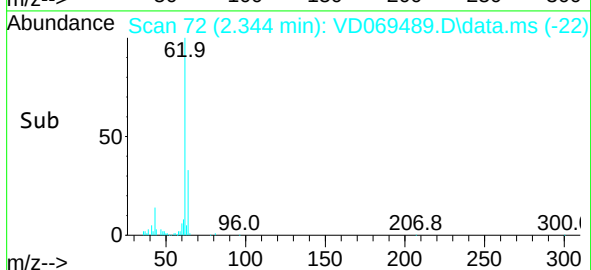
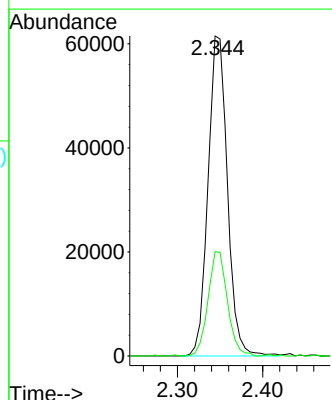
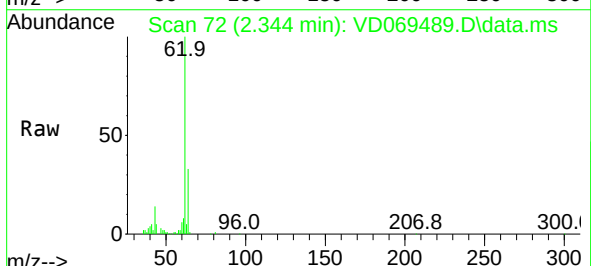
Instrument :
MSVOA_D
ClientSampleId :

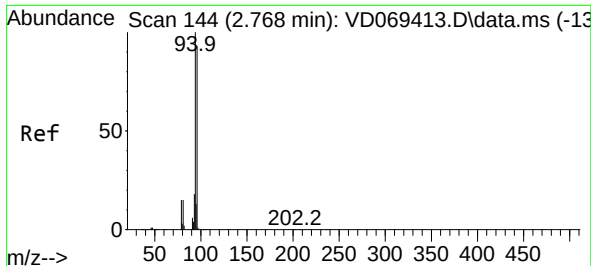
Tgt Ion:168 Resp: 239106
Ion Ratio Lower Upper
168 100
99 59.6 46.2 69.2



#4
Vinyl Chloride
Concen: 33.683 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Tgt Ion: 62 Resp: 97081
Ion Ratio Lower Upper
62 100
64 32.6 26.2 39.4

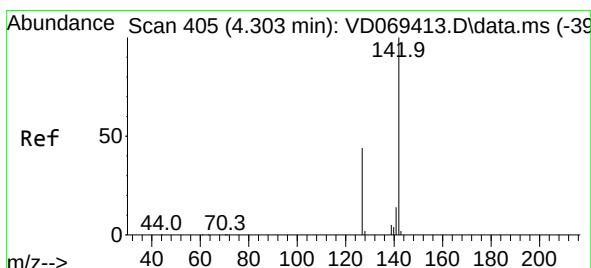
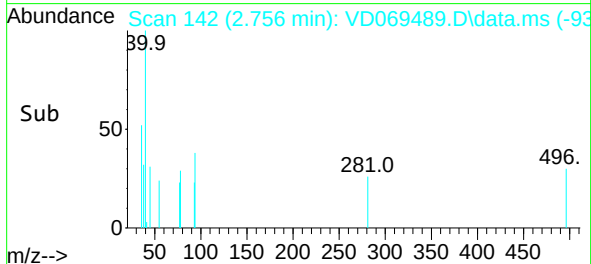
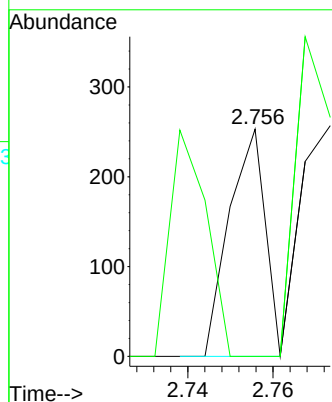
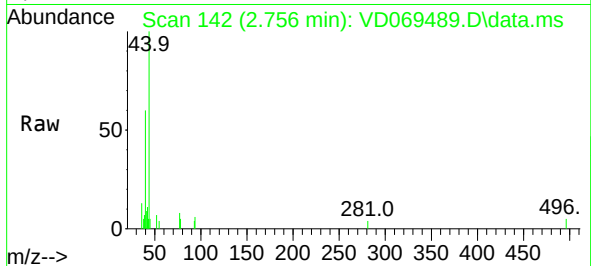




#5
Bromomethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.012 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

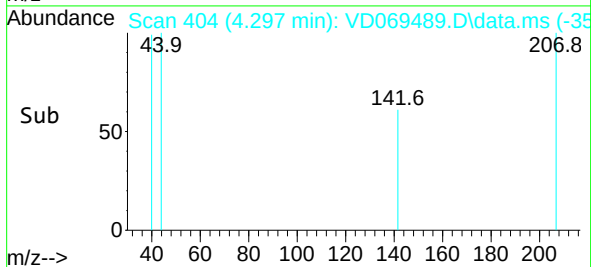
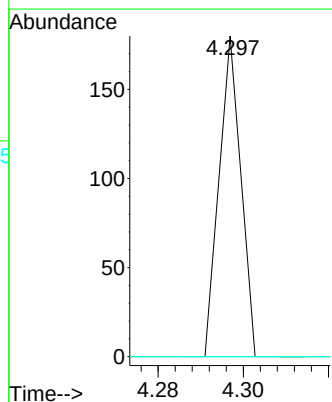
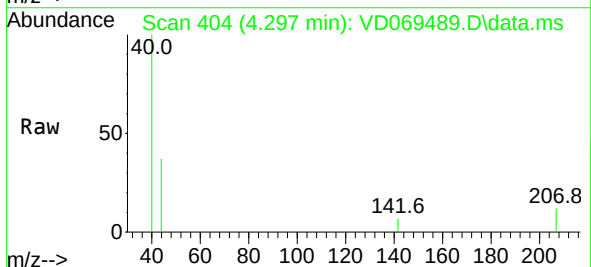
Instrument :
MSVOA_D
ClientSampleId :

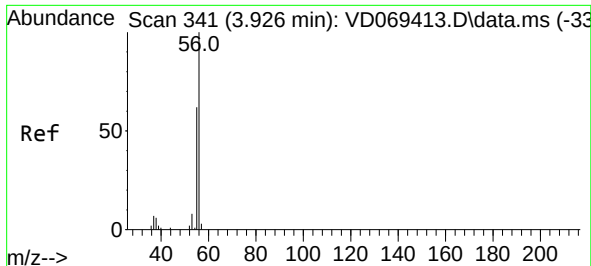
Tgt Ion: 94 Resp: 148
Ion Ratio Lower Upper
94 100
96 0.0 70.3 105.5#



#10
Methyl Iodide
Concen: 3.356 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

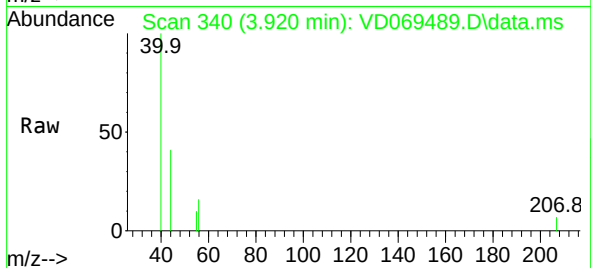
Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#



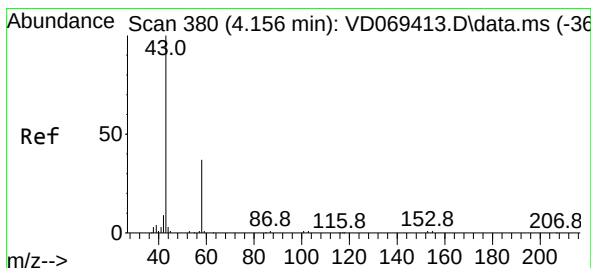
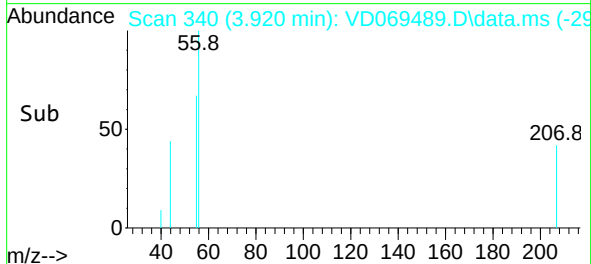
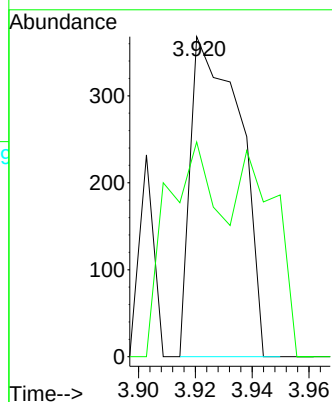


#13
Acrolein
Concen: 2.540 ug/l
RT: 3.920 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Instrument :
MSVOA_D
ClientSampled :

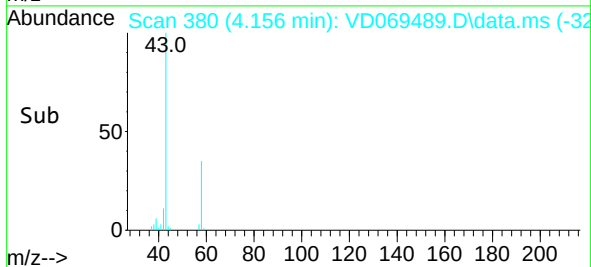
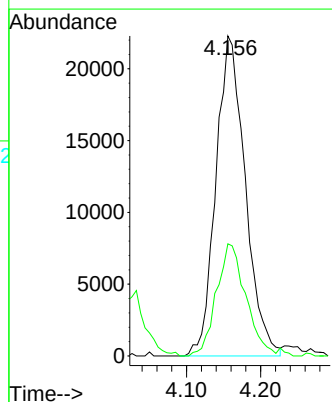
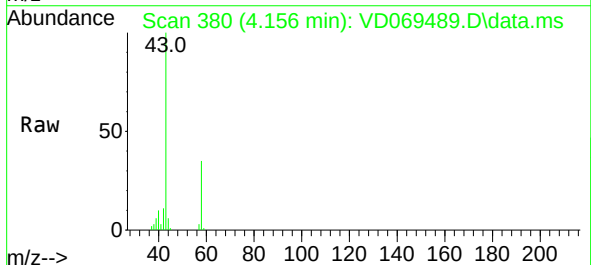


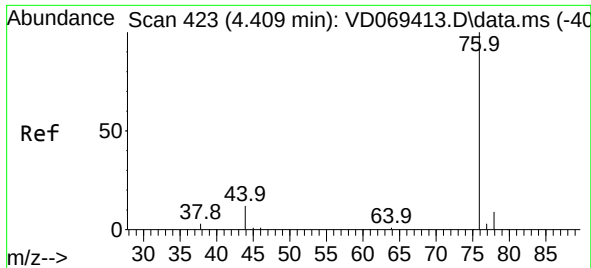
Tgt Ion: 56 Resp: 444
Ion Ratio Lower Upper
56 100
55 75.2 53.8 80.8



#16
Acetone
Concen: 137.481 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

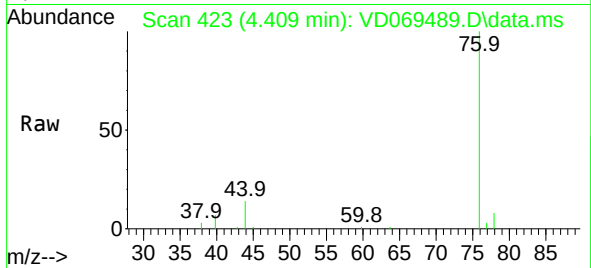
Tgt Ion: 43 Resp: 61385
Ion Ratio Lower Upper
43 100
58 35.0 27.5 41.3



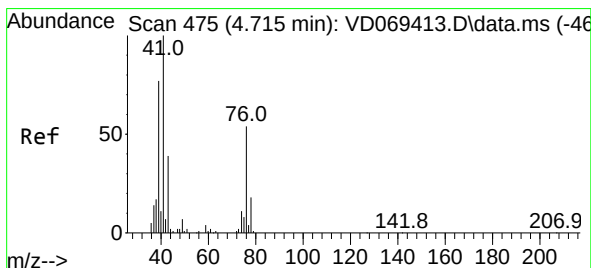
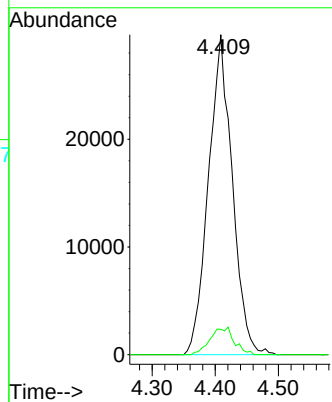
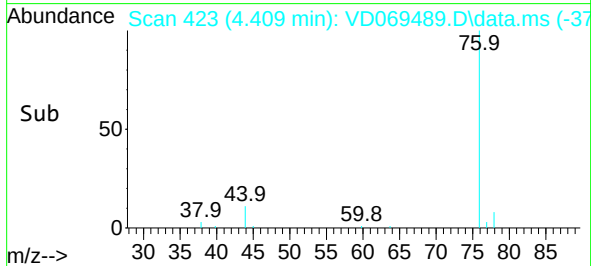


#17
Carbon Disulfide
Concen: 9.499 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

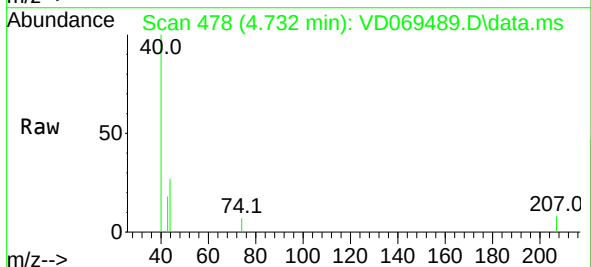
Instrument :
MSVOA_D
ClientSampled :



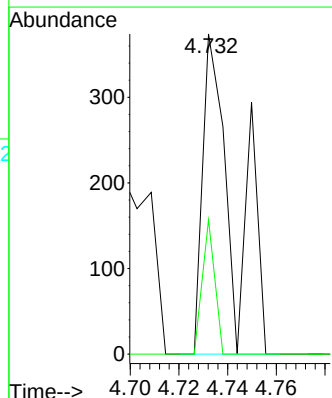
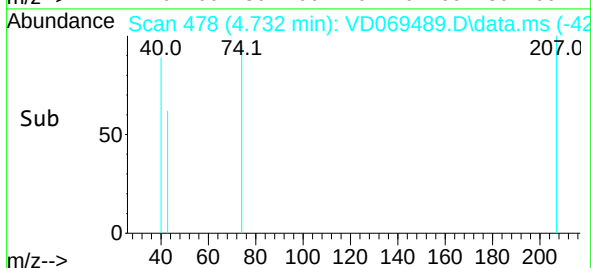
Tgt Ion: 76 Resp: 77920
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.0

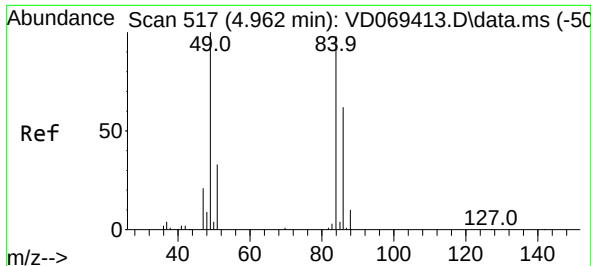


#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.017 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38



Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
74 16.7 22.8 34.2#





#20

Methylene Chloride

Concen: Below Cal

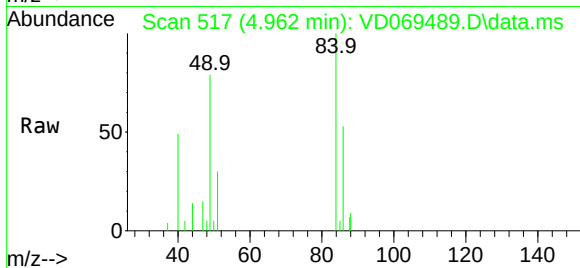
RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

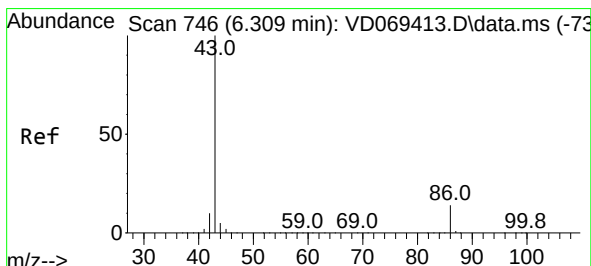
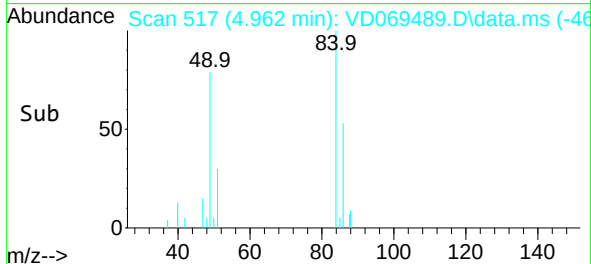
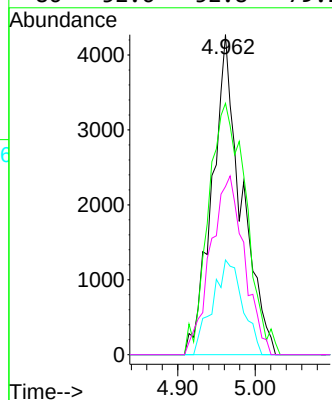
Lab File: VD069489.D

Acq: 17 Jun 2021 19:38

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	84	Resp:	11210
Ion	Ratio	Lower	Upper
84	100		
49	78.5	83.7	125.5#
51	29.6	26.4	39.6
86	52.6	52.8	79.2#



#23

Vinyl Acetate

Concen: 17.592 ug/l

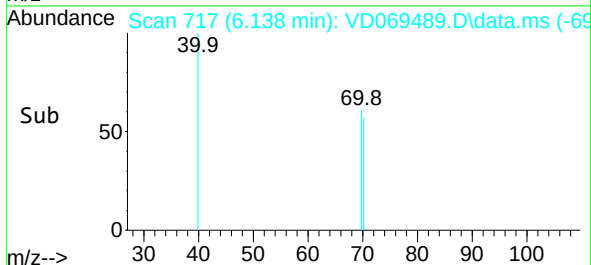
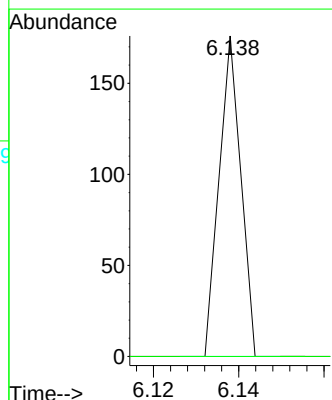
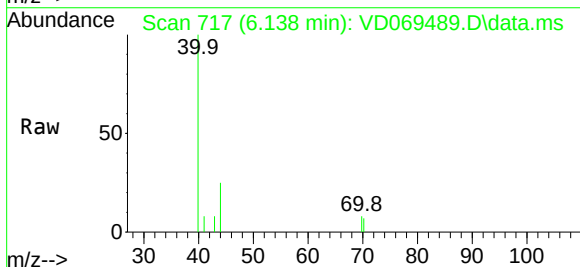
RT: 6.138 min Scan# 717

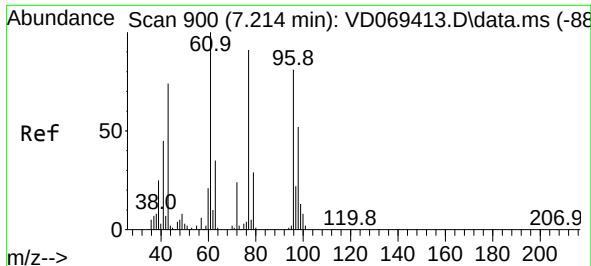
Delta R.T. -0.171 min

Lab File: VD069489.D

Acq: 17 Jun 2021 19:38

Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#

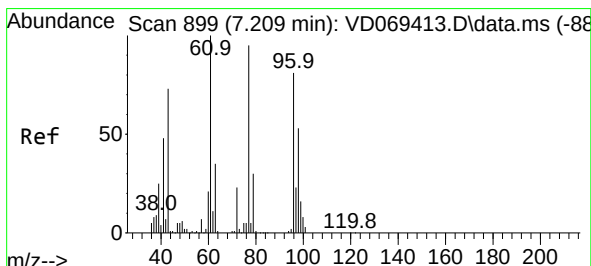
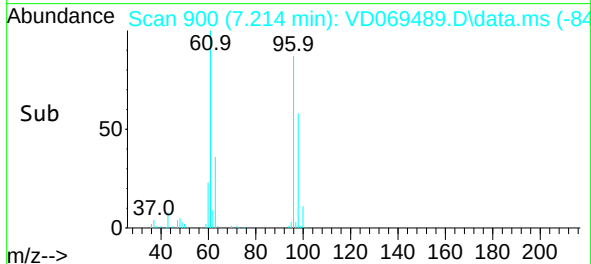
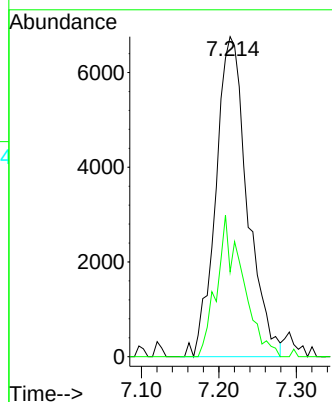
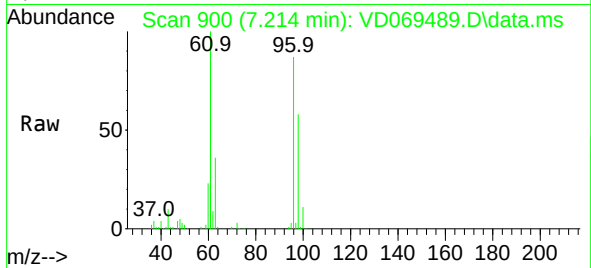




#25
2-Butanone
Concen: 34.440 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

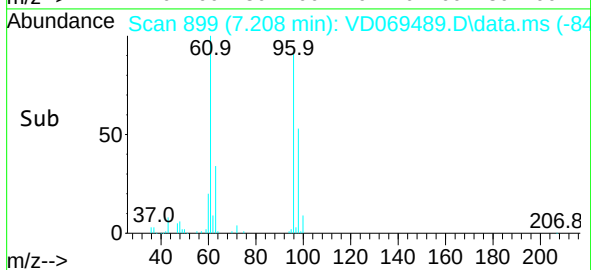
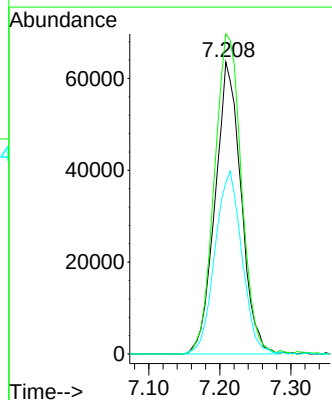
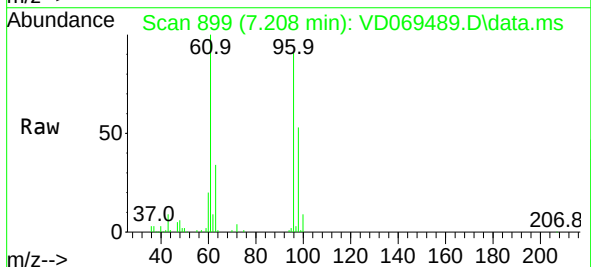
Instrument :
MSVOA_D
ClientSampled :

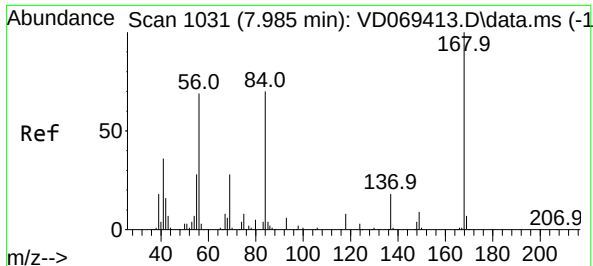
Tgt Ion: 43 Resp: 19175
Ion Ratio Lower Upper
43 100
72 26.5 23.9 35.9



#27
cis-1,2-Dichloroethene
Concen: 50.048 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.001 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

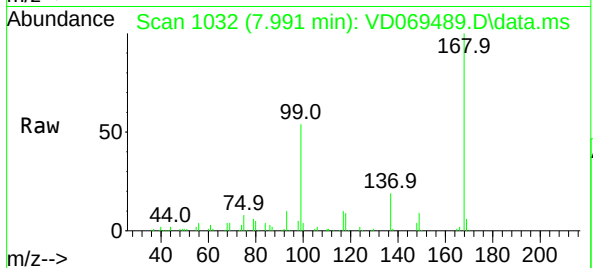
Tgt Ion: 96 Resp: 160845
Ion Ratio Lower Upper
96 100
61 114.1 0.0 265.6
98 65.3 0.0 129.0



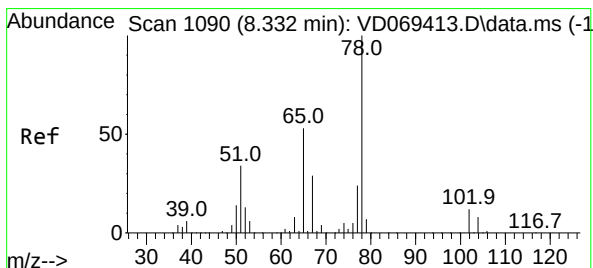
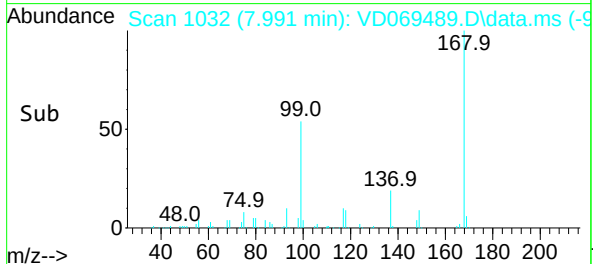
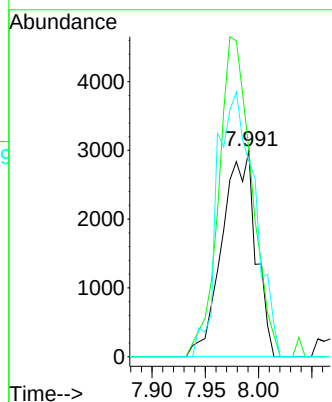


#31
Cyclohexane
Concen: 1.788 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Instrument :
MSVOA_D
ClientSampleId :

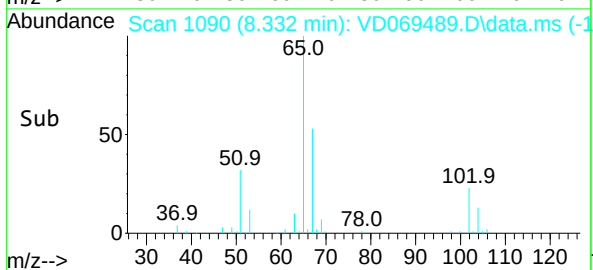
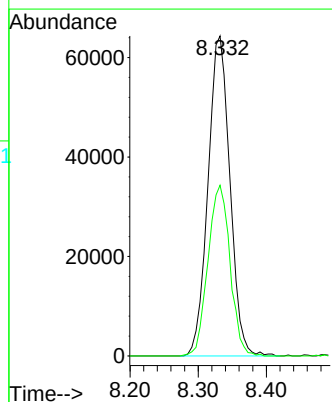
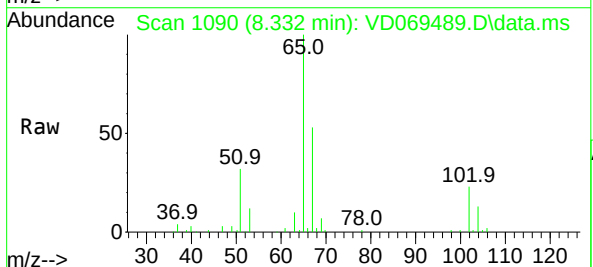


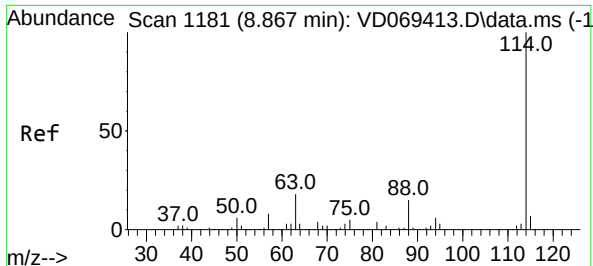
Tgt Ion: 56 Resp: 6553
Ion Ratio Lower Upper
56 100
69 100.6 29.0 43.4#
84 95.0 81.1 121.7



#33
1,2-Dichloroethane-d4
Concen: 53.392 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Tgt Ion: 65 Resp: 144025
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.8

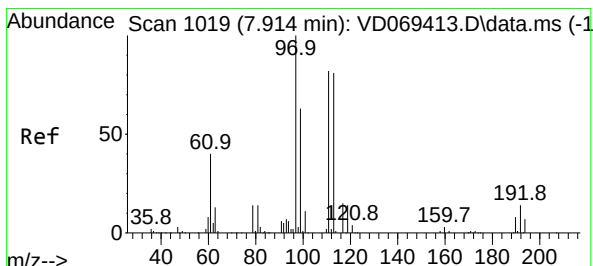
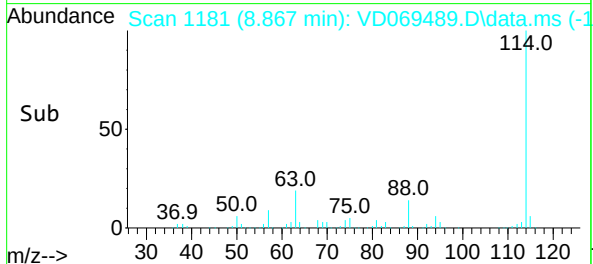
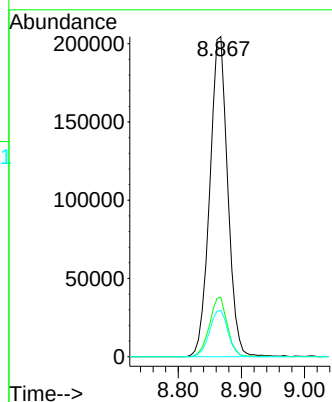
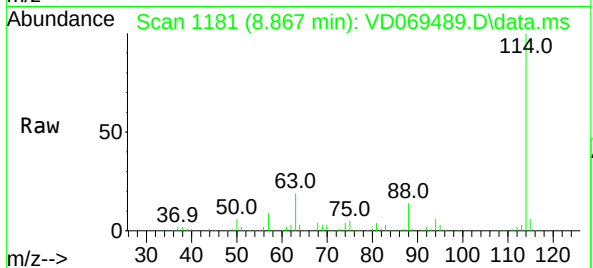




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

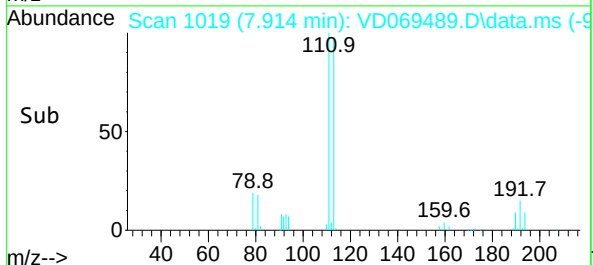
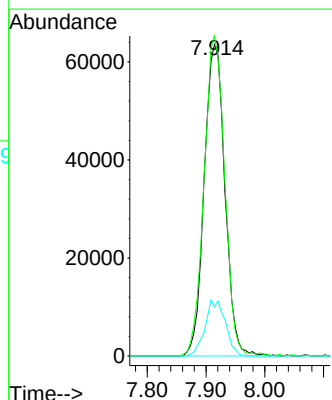
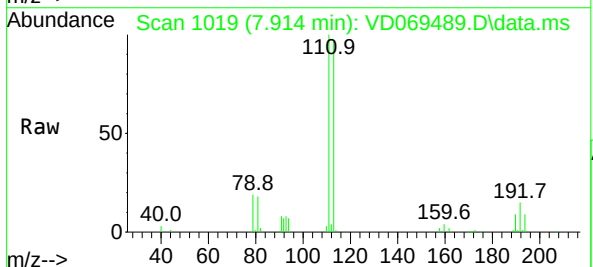
Instrument :
MSVOA_D
ClientSampled :

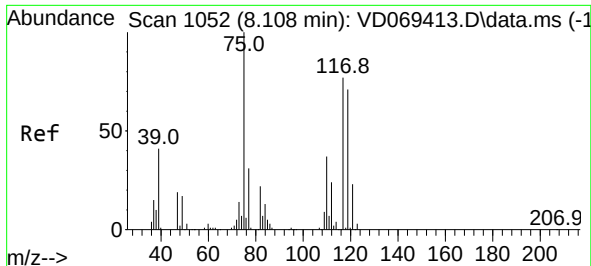
Tgt Ion:114 Resp: 403283
Ion Ratio Lower Upper
114 100
63 18.6 0.0 35.6
88 14.5 0.0 31.2



#35
Dibromofluoromethane
Concen: 51.386 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

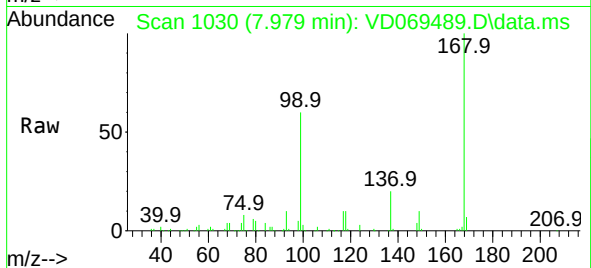
Tgt Ion:113 Resp: 155216
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.6
192 17.6 15.1 22.7



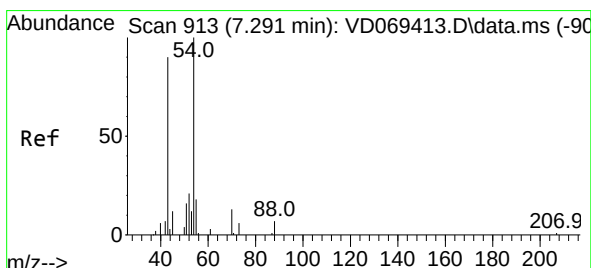
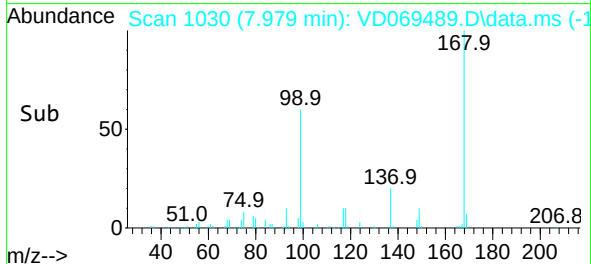
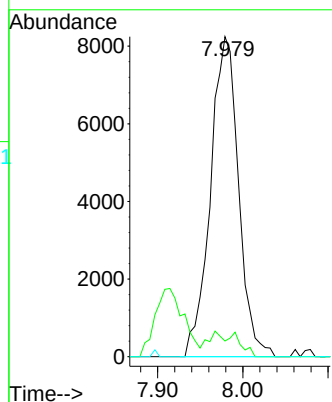


#36
1,1-Dichloropropene
Concen: 4.495 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Instrument :
MSVOA_D
ClientSampleId :

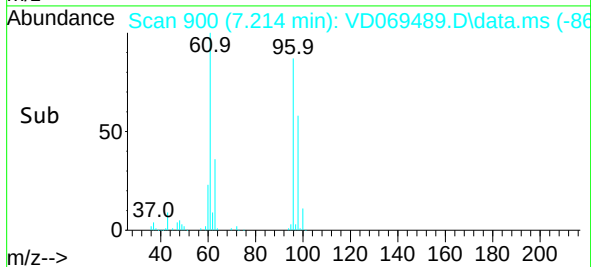
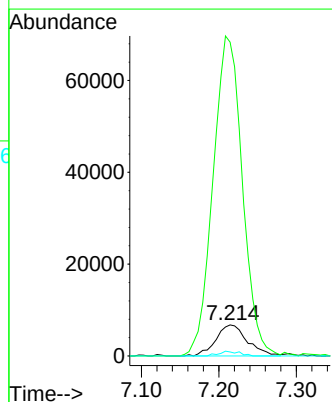
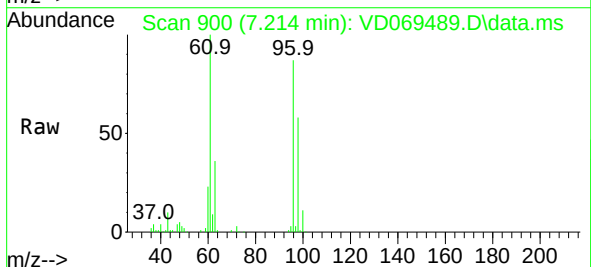


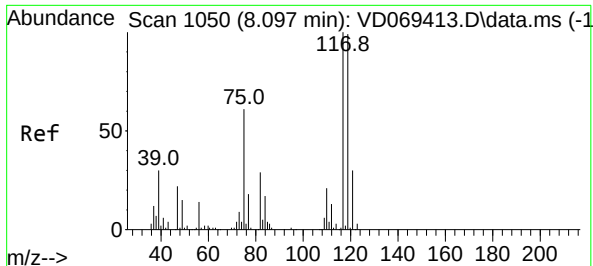
Tgt Ion: 75 Resp: 18877
Ion Ratio Lower Upper
75 100
110 2.4 18.4 55.2#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 13.648 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

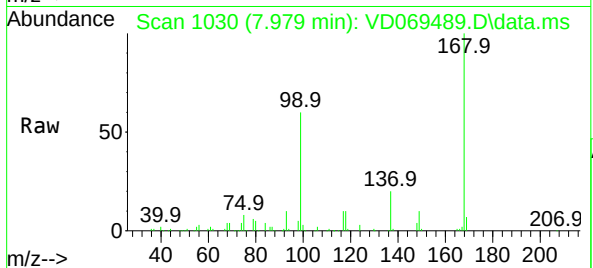
Tgt Ion: 43 Resp: 19175
Ion Ratio Lower Upper
43 100
61 957.3 11.0 16.6#
70 9.9 9.7 14.5



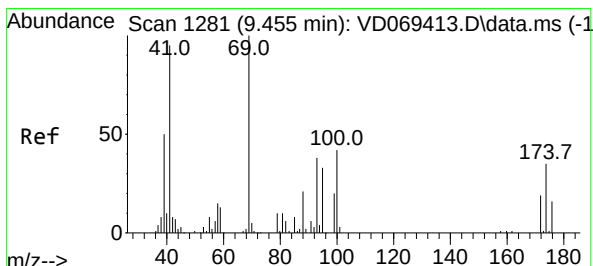
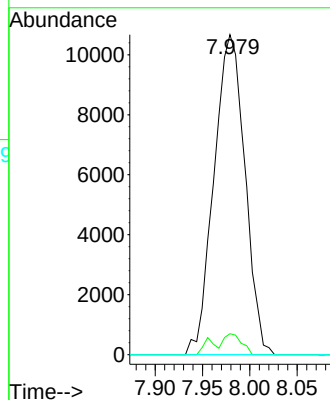
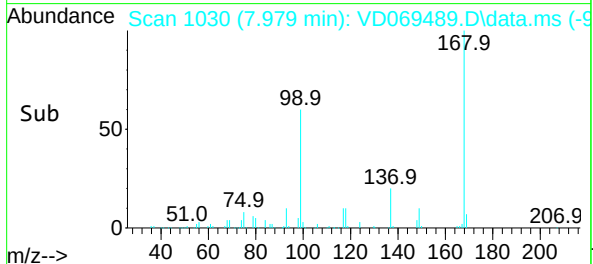


#38
Carbon Tetrachloride
Concen: 5.334 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

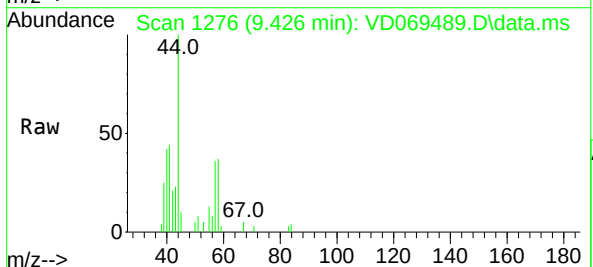
Instrument :
MSVOA_D
ClientSampleId :



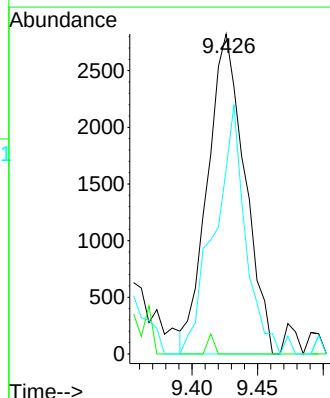
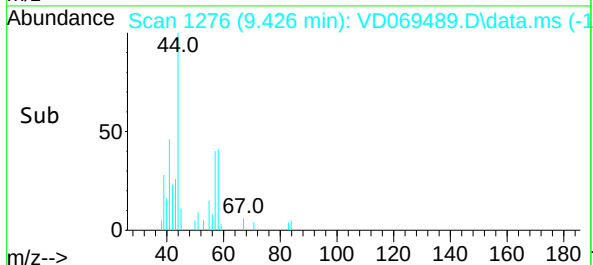
Tgt Ion:117 Resp: 24266
Ion Ratio Lower Upper
117 100
119 6.6 79.4 119.2#
121 0.0 26.1 39.1#

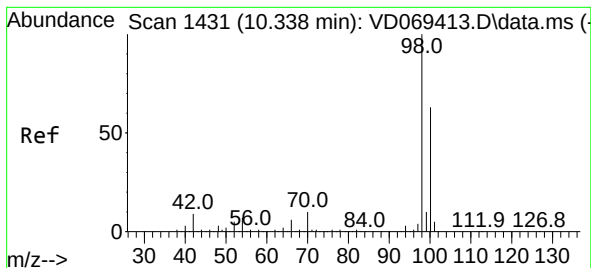


#48
Methyl methacrylate
Concen: 4.617 ug/l
RT: 9.426 min Scan# 1276
Delta R.T. -0.029 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38



Tgt Ion: 41 Resp: 5578
Ion Ratio Lower Upper
41 100
69 1.1 77.6 116.4#
39 65.3 45.3 67.9

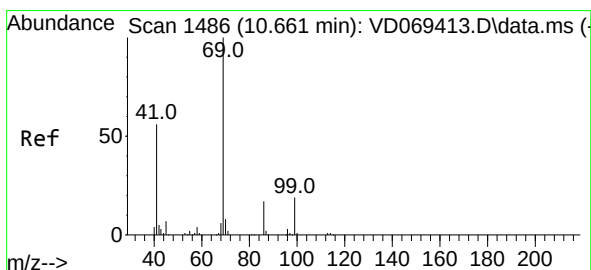
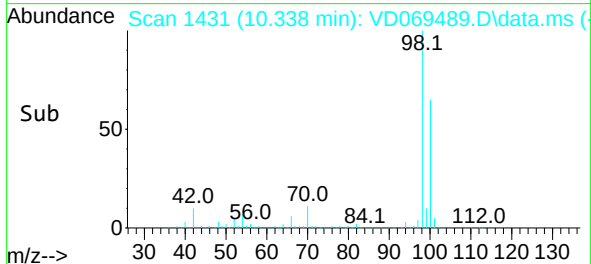
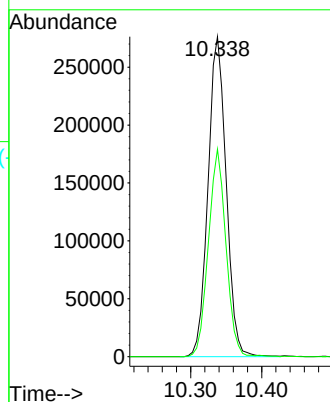
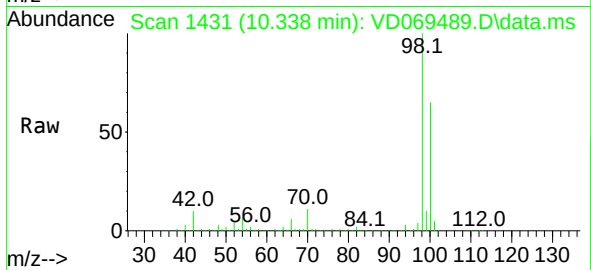




#50
Toluene-d8
Concen: 44.434 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

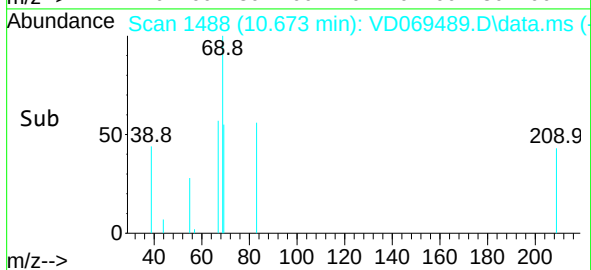
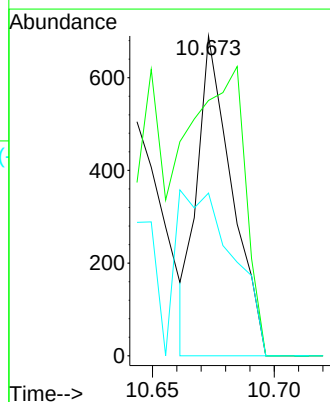
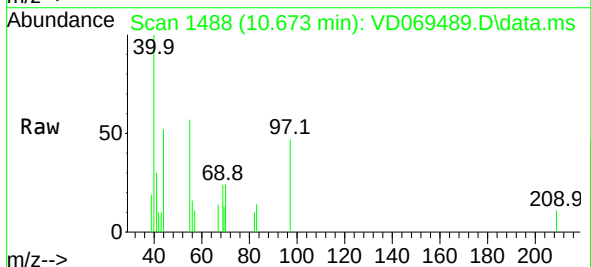
Instrument :
MSVOA_D
ClientSampled :

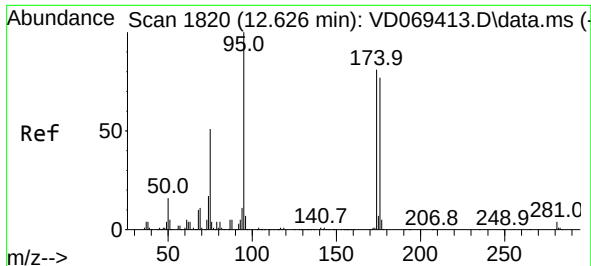
Tgt Ion: 98 Resp: 490900
Ion Ratio Lower Upper
98 100
100 62.9 52.1 78.1



#56
Ethyl methacrylate
Concen: 3.062 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.012 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Tgt Ion: 69 Resp: 683
Ion Ratio Lower Upper
69 100
41 127.2 45.4 68.2#
39 0.0 21.7 32.5#

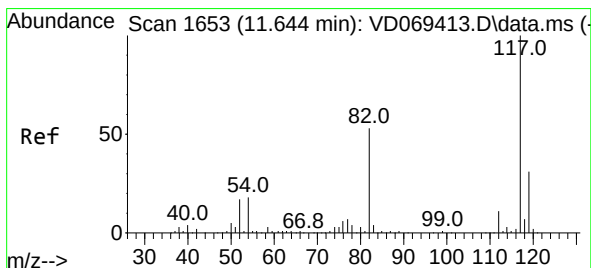
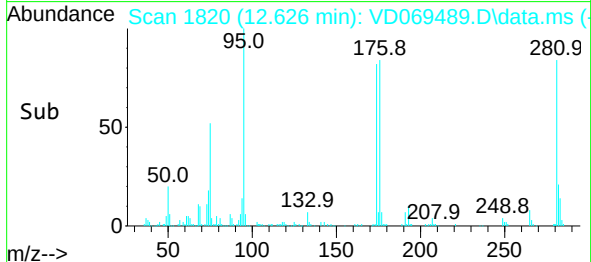
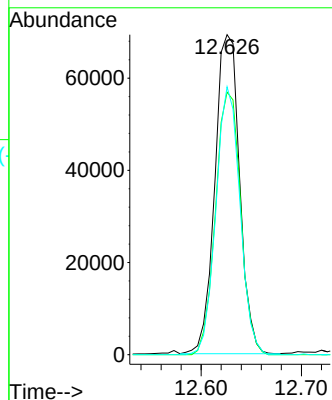
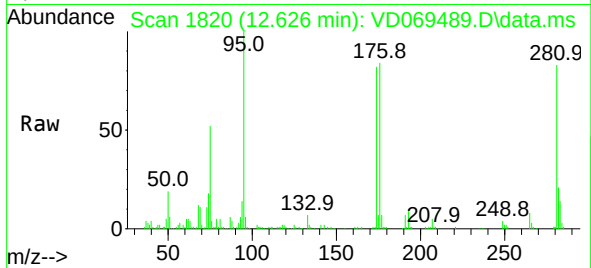




#62
4-Bromofluorobenzene
Concen: 33.361 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

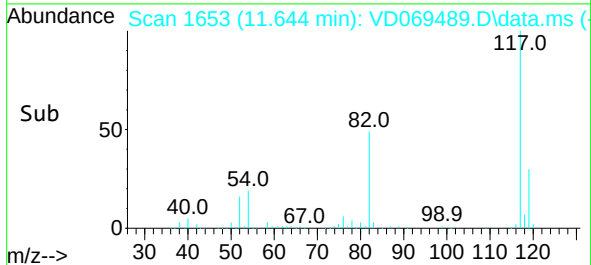
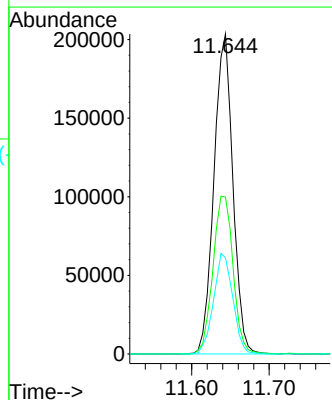
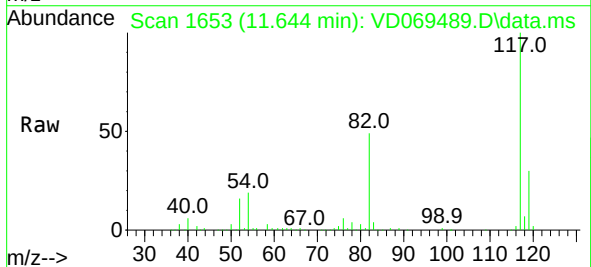
Instrument :
MSVOA_D
ClientSampleId :

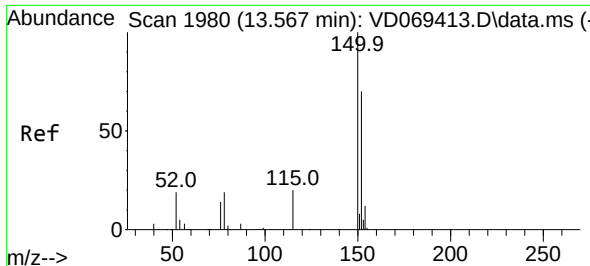
Tgt Ion: 95 Resp: 118260
Ion Ratio Lower Upper
95 100
174 83.4 0.0 162.8
176 81.6 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Tgt Ion: 117 Resp: 345329
Ion Ratio Lower Upper
117 100
82 49.1 43.3 64.9
119 30.0 25.3 37.9

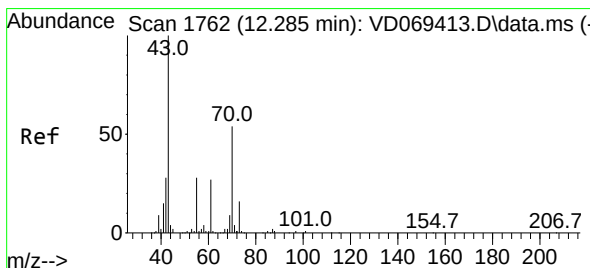
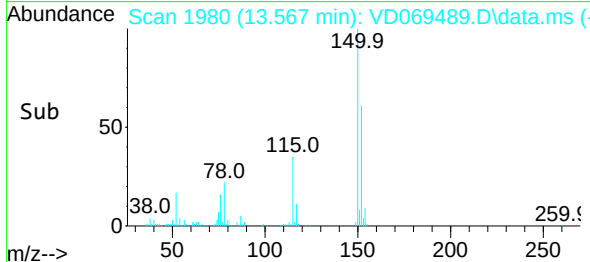
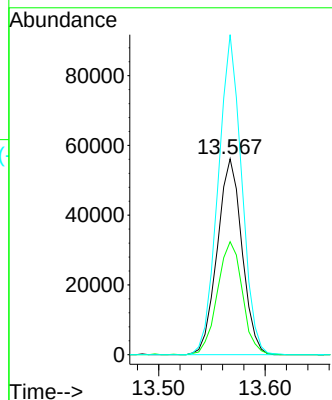
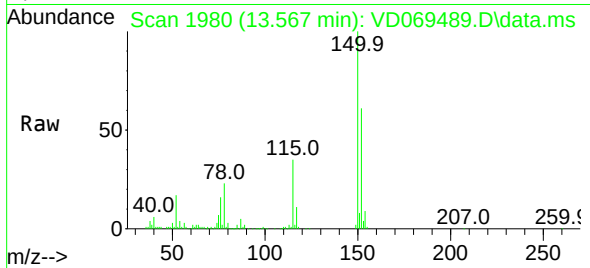




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

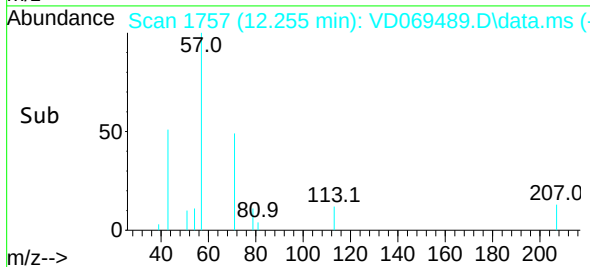
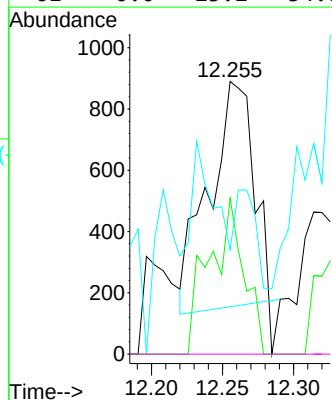
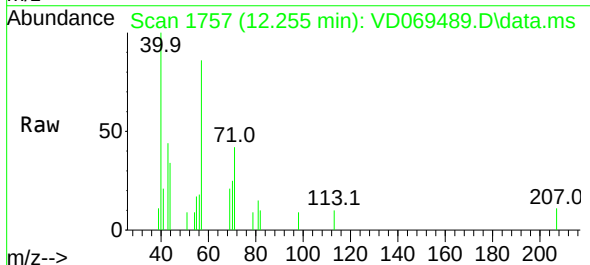
Instrument :
MSVOA_D
ClientSampled :

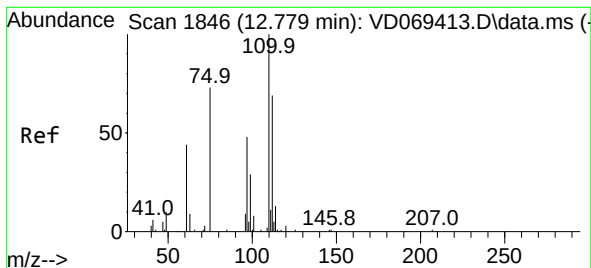
Tgt Ion:152 Resp: 90507
Ion Ratio Lower Upper
152 100
115 58.3 29.4 88.3
150 155.7 0.0 355.0



#74
N-ethyl acetate
Concen: 1.370 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.030 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
70 55.7 40.9 61.3
55 20.0 23.4 35.0#
61 0.0 23.2 34.8#

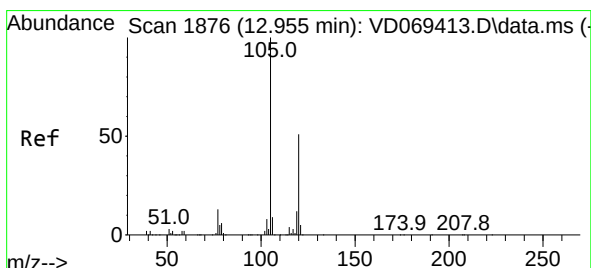
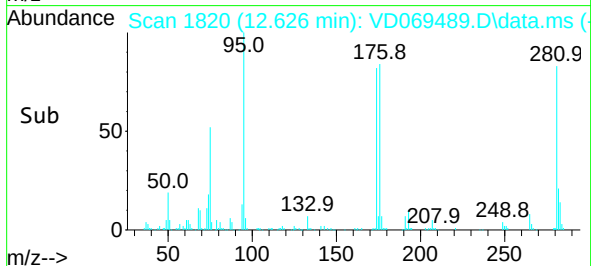
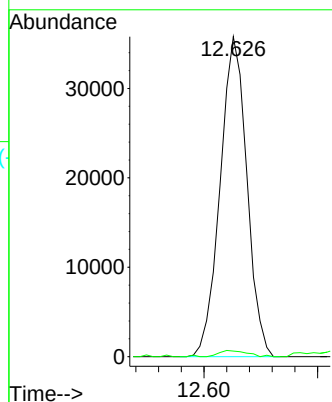
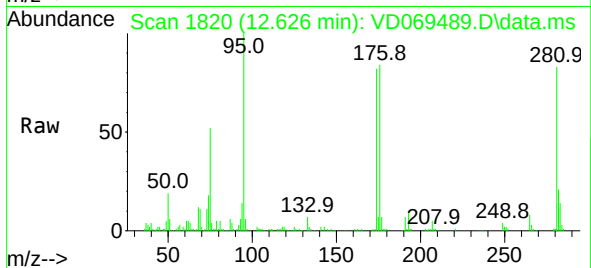




#76
1,2,3-Trichloropropane
Concen: 63.820 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

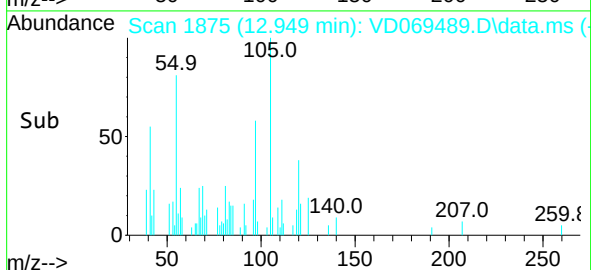
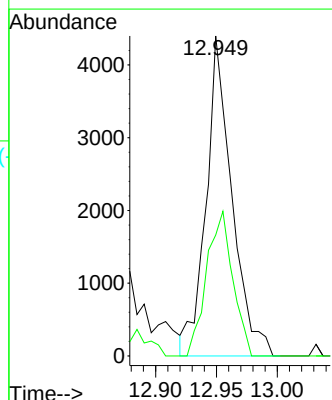
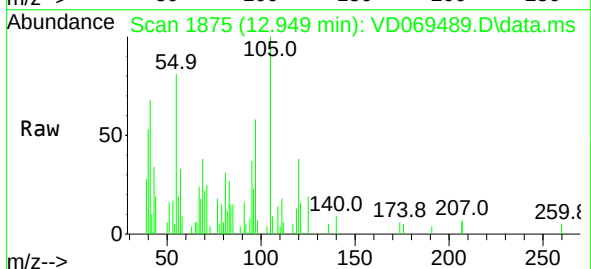
Instrument :
MSVOA_D
ClientSampled :

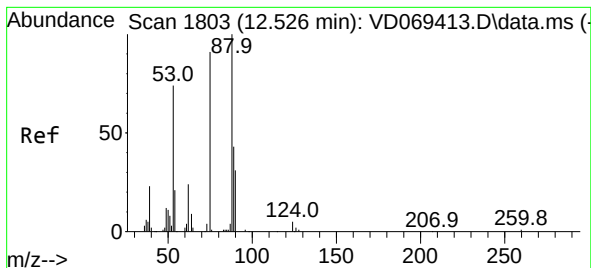
Tgt Ion: 75 Resp: 58560
Ion Ratio Lower Upper
75 100
77 2.0 183.8 551.2#



#80
1,3,5-Trimethylbenzene
Concen: 1.211 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Tgt Ion:105 Resp: 6496
Ion Ratio Lower Upper
105 100
120 45.7 24.9 74.7

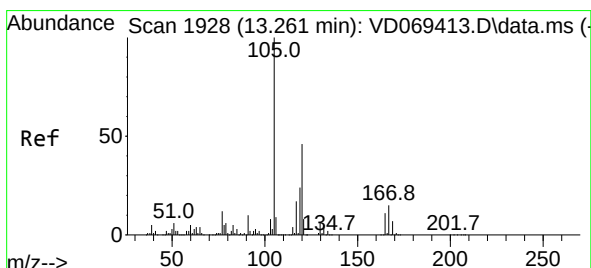
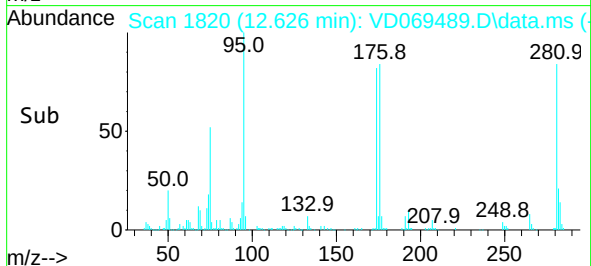
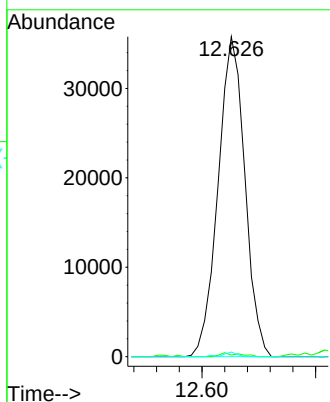
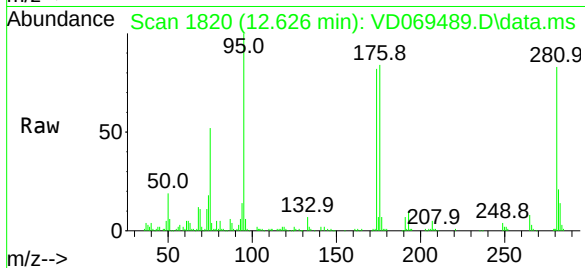




#81
trans-1,4-Dichloro-2-butene
Concen: 170.254 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

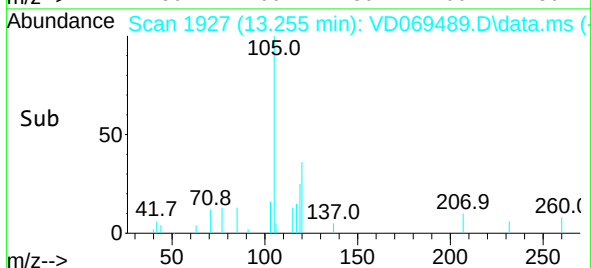
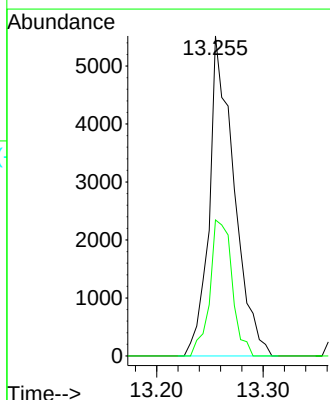
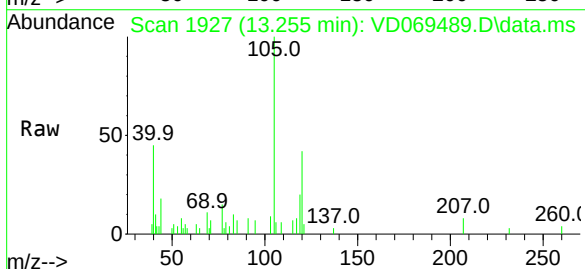
Instrument :
MSVOA_D
ClientSampleId :

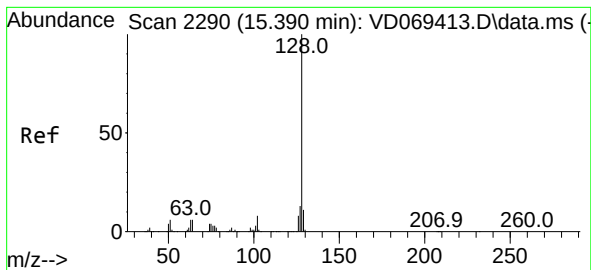
Tgt Ion: 75 Resp: 58560
Ion Ratio Lower Upper
75 100
53 0.9 62.6 94.0#
89 0.7 35.6 53.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.668 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Tgt Ion: 105 Resp: 8943
Ion Ratio Lower Upper
105 100
120 38.0 22.6 67.8





#95
Naphthalene
Concen: 3.957 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069489.D
Acq: 17 Jun 2021 19:38

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1305
Ion Ratio Lower Upper
128 100
127 4.2 10.4 15.6#
129 0.0 8.8 13.2#

