

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070527.D
 Acq On : 29 Sep 2021 17:11
 Operator : VA/SY
 Sample : M3975-05
 Misc : 8.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-841-R-SO-2-2.5-092821

Quant Time: Sep 30 00:46:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

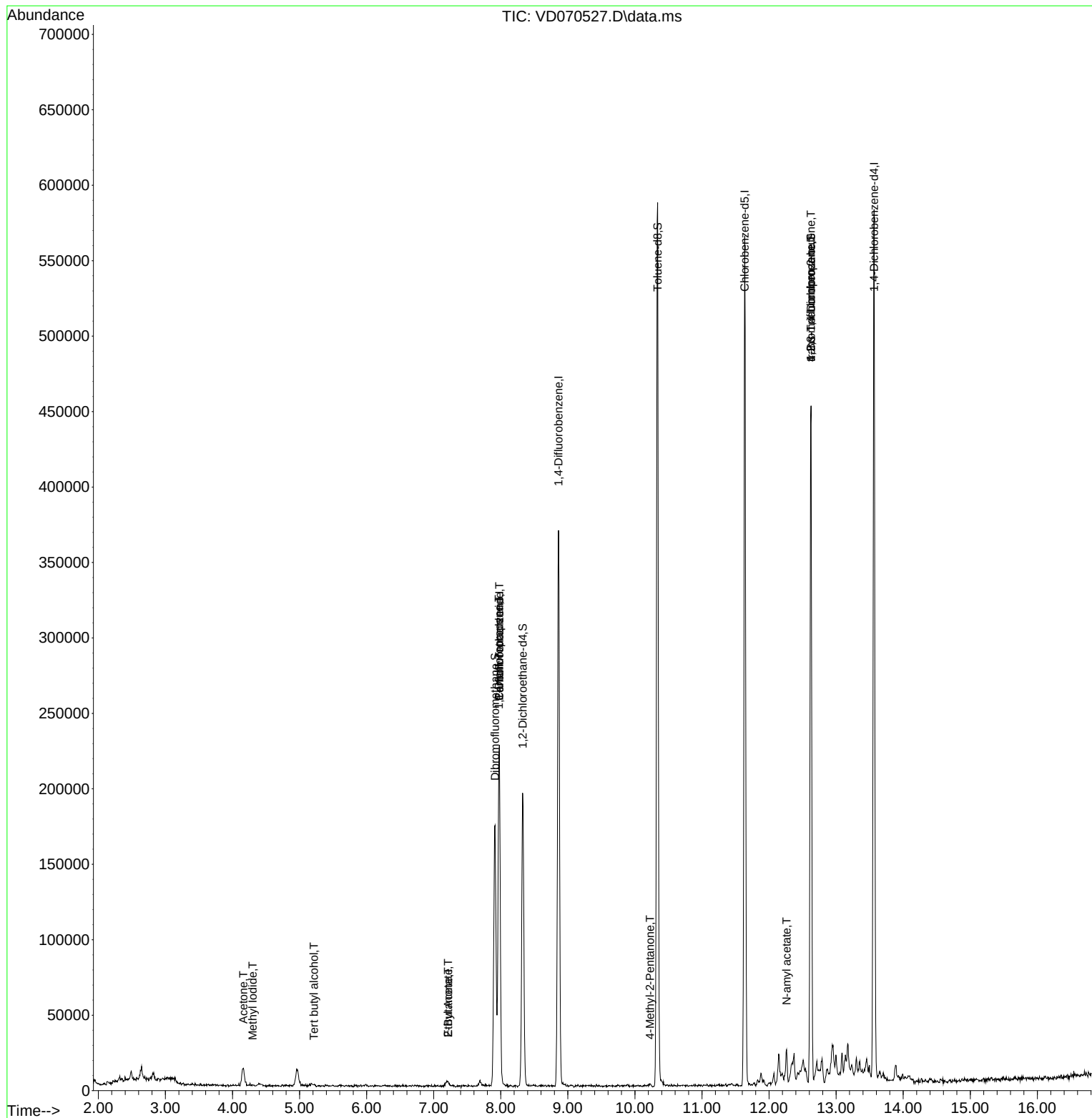
Internal Standards						
1) Pentafluorobenzene	7.979	168	159949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	322298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	334801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	154663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	151705	73.866	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.740%	
35) Dibromofluoromethane	7.914	113	128998	56.229	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.460%	
50) Toluene-d8	10.338	98	423596	50.855	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.700%	
62) 4-Bromofluorobenzene	12.626	95	155495	53.415	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.840%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.997	85	59	Below Cal	#	43
3) Chloromethane	2.215	50	567	Below Cal	#	80
5) Bromomethane	2.779	94	1283	Below Cal	#	80
6) Chloroethane	2.879	64	87	Below Cal	#	43
10) Methyl Iodide	4.303	142	430	1.242	ug/l #	68
11) Tert butyl alcohol	5.214	59	916	3.945	ug/l #	100
16) Acetone	4.162	43	20708	56.476	ug/l #	84
18) Methyl Acetate	4.720	43	71	Below Cal	#	48
20) Methylene Chloride	4.956	84	9984	Below Cal		87
25) 2-Butanone	7.214	43	3345	6.853	ug/l #	69
36) 1,1-Dichloropropene	7.973	75	13616	3.952	ug/l #	42
37) Ethyl Acetate	7.214	43	3345	2.597	ug/l #	73
38) Carbon Tetrachloride	7.979	117	17762	5.213	ug/l #	16
51) 4-Methyl-2-Pentanone	10.226	43	1348	1.094	ug/l #	62
74) N-amyl acetate	12.261	43	4172	1.765	ug/l #	80
76) 1,2,3-Trichloropropane	12.626	75	72237	46.174	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	72237	115.694	ug/l #	18

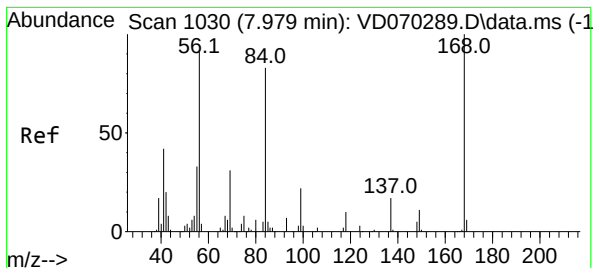
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S-841-R-SO-2-2.5-092821

Quant Time: Sep 30 00:46:50 2021
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Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

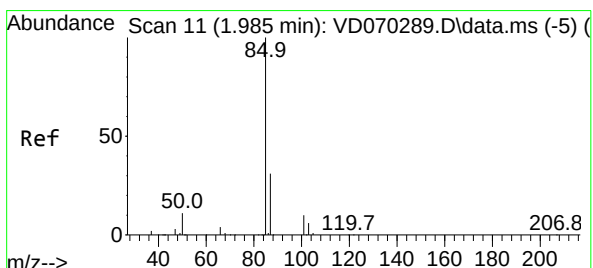
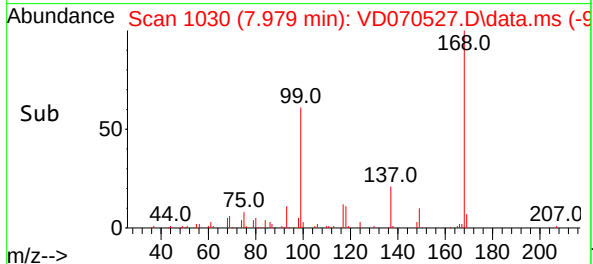
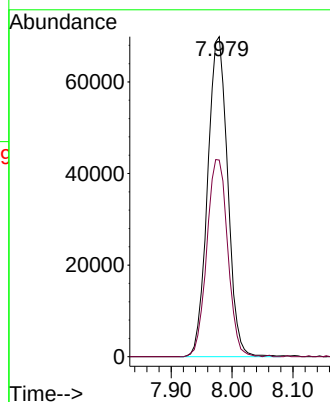
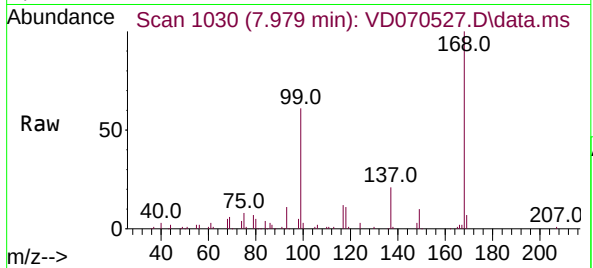




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

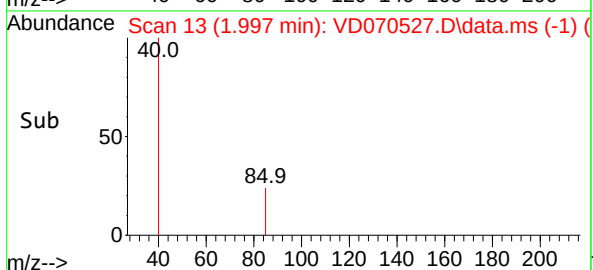
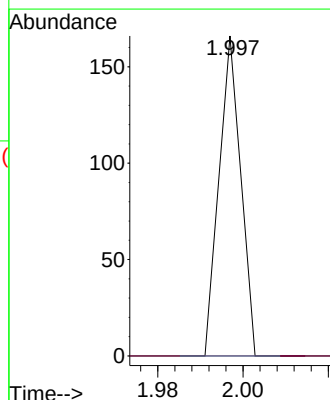
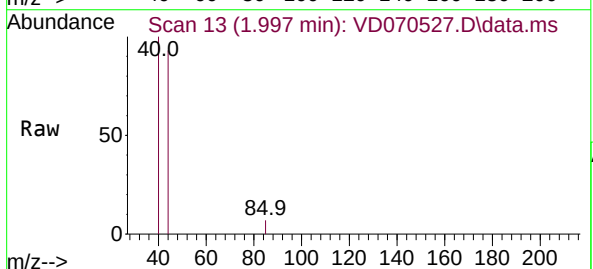
Instrument :
MSVOA_D
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S-841-R-SO-2-2.5-092821

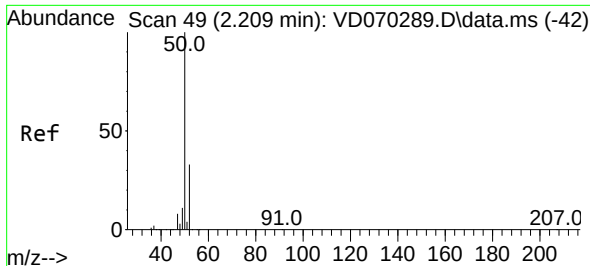
Tgt Ion:168 Resp: 159949
Ion Ratio Lower Upper
168 100
99 61.4 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.012 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

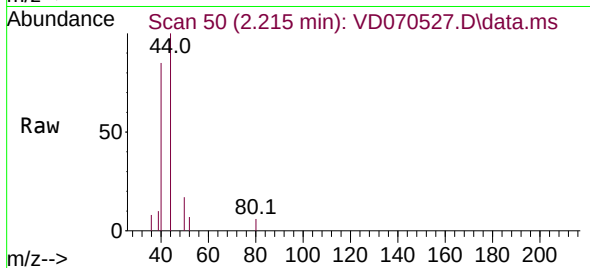
Tgt Ion: 85 Resp: 59
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#



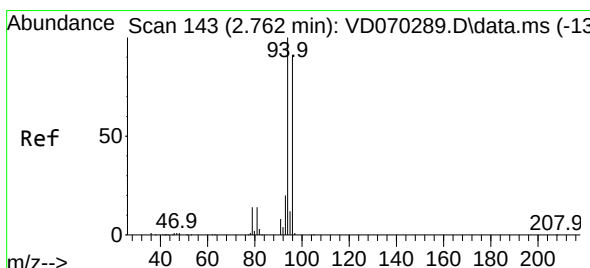
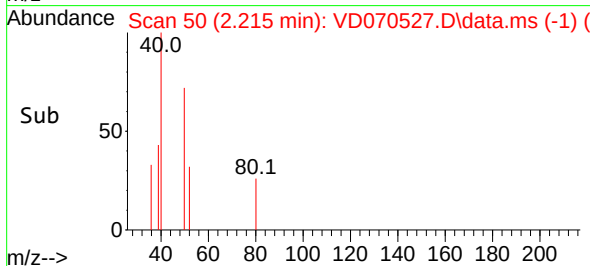
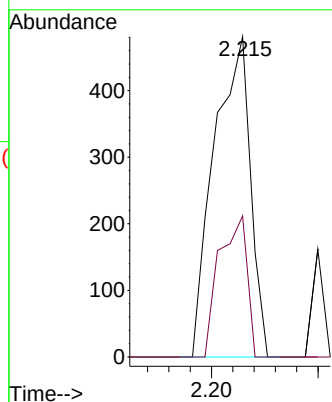


#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

Instrument :
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ClientSampleId :
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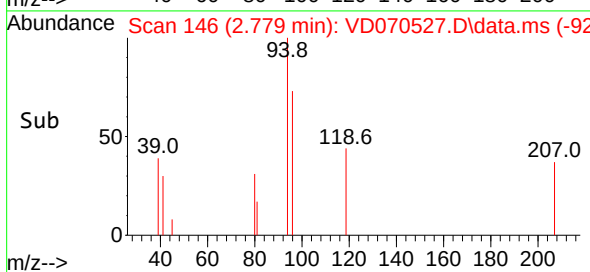
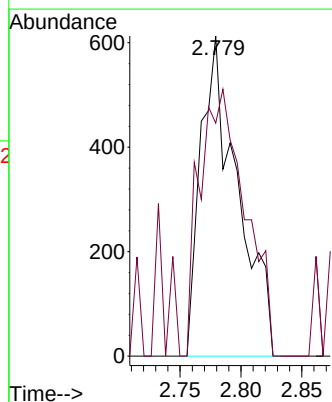
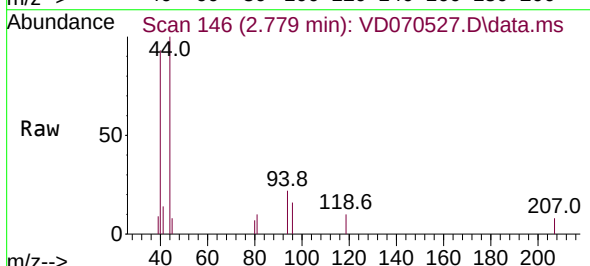


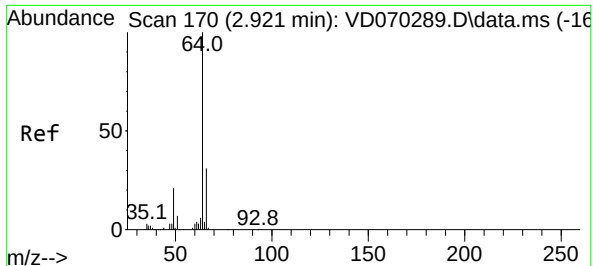
Tgt Ion: 50 Resp: 567
Ion Ratio Lower Upper
50 100
52 44.1 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

Tgt Ion: 94 Resp: 1283
Ion Ratio Lower Upper
94 100
96 72.8 73.0 109.6#

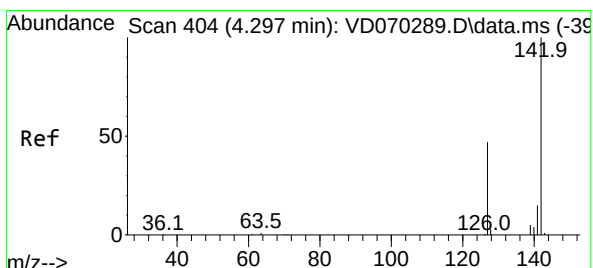
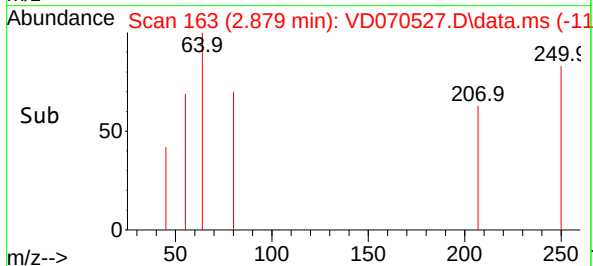
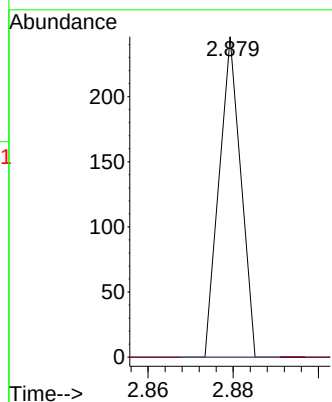
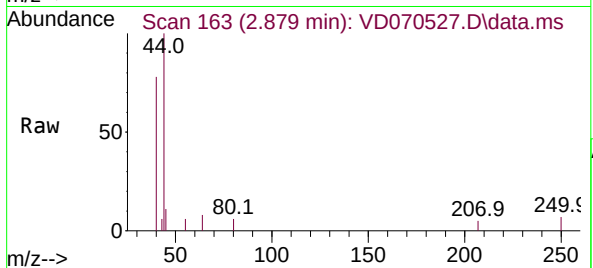




#6
Chloroethane
Concen: Below Cal
RT: 2.879 min Scan# 163
Delta R.T. -0.042 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

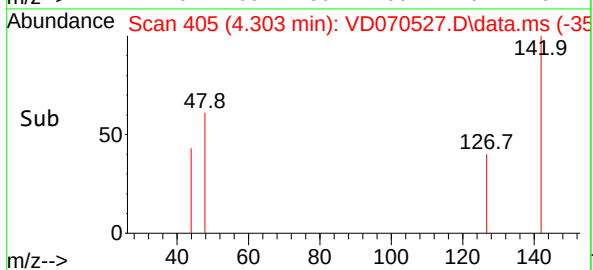
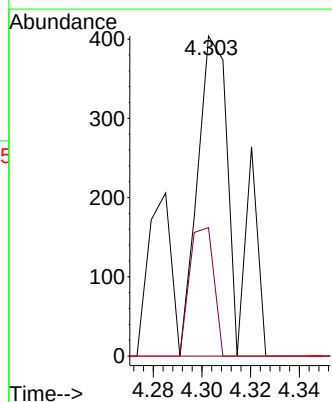
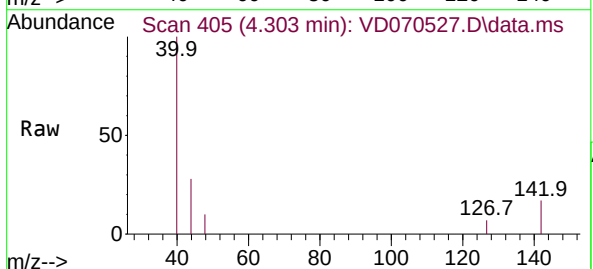
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-2-2.5-092821

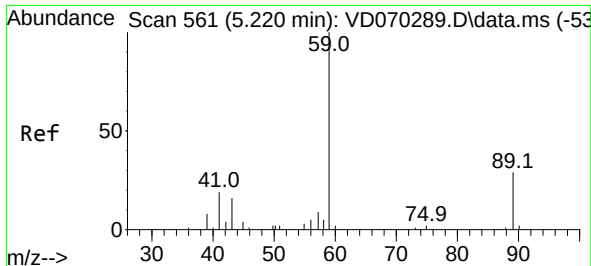
Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.242 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

Tgt Ion: 142 Resp: 430
Ion Ratio Lower Upper
142 100
127 26.0 36.9 55.3#
141 0.0 11.8 17.6#

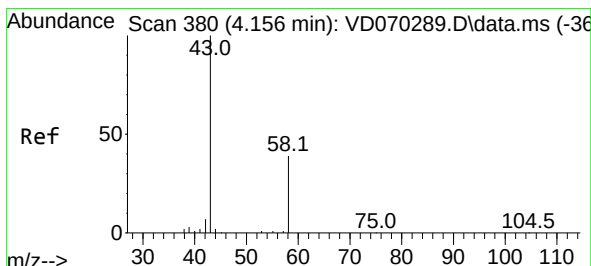
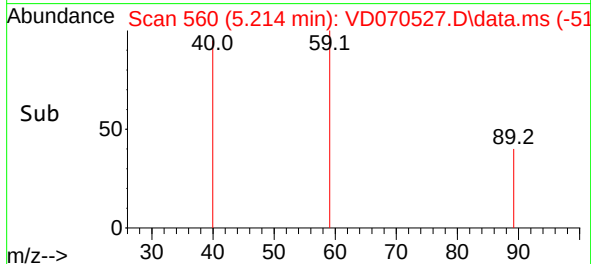
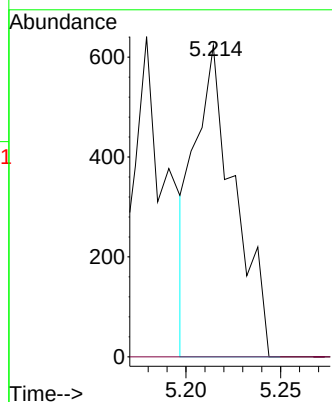
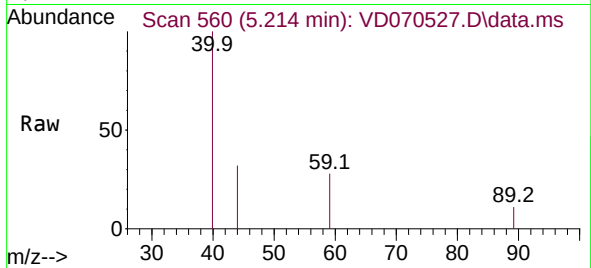




#11
Tert butyl alcohol
Concen: 3.945 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

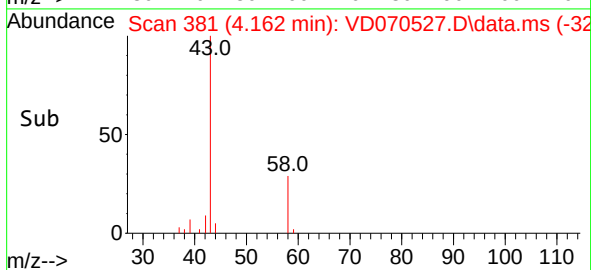
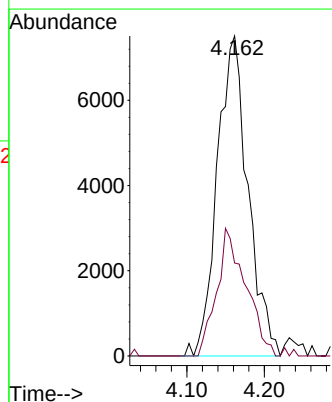
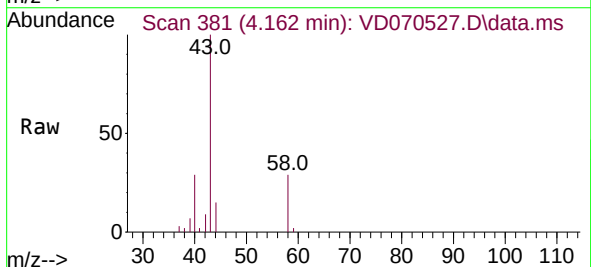
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-2-2.5-092821

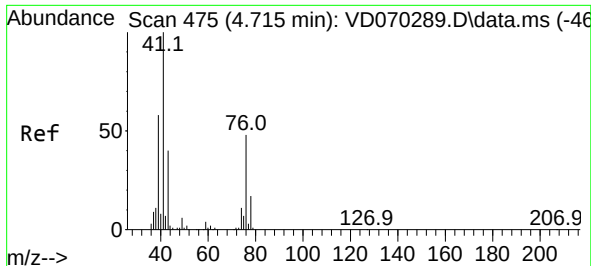
Tgt Ion: 59 Resp: 916
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 56.476 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

Tgt Ion: 43 Resp: 20708
Ion Ratio Lower Upper
43 100
58 29.0 30.9 46.3#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.720 min Scan# 476

Delta R.T. 0.005 min

Lab File: VD070527.D

Acq: 29 Sep 2021 17:11

Instrument :

MSVOA_D

ClientSampleId :

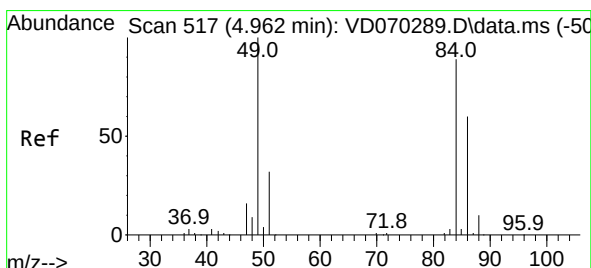
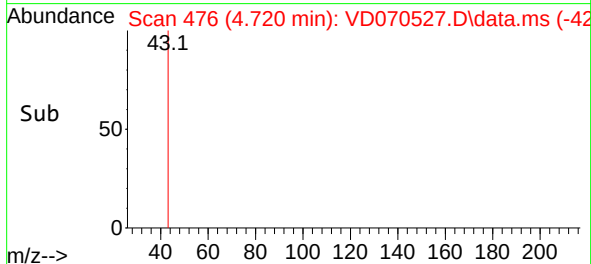
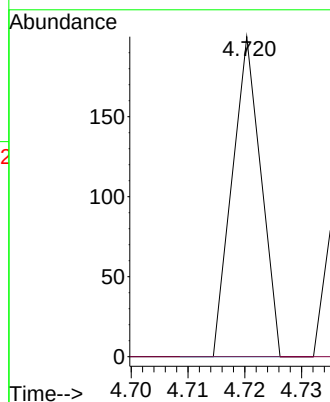
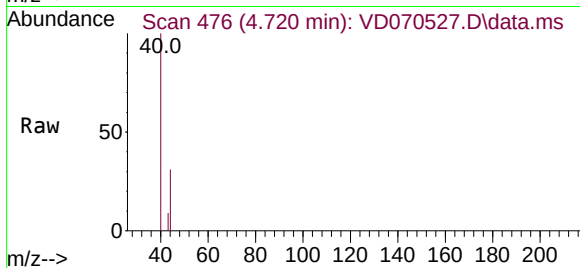
S-841-R-SO-2-2.5-092821

Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD070527.D

Acq: 29 Sep 2021 17:11

Tgt Ion: 84 Resp: 9984

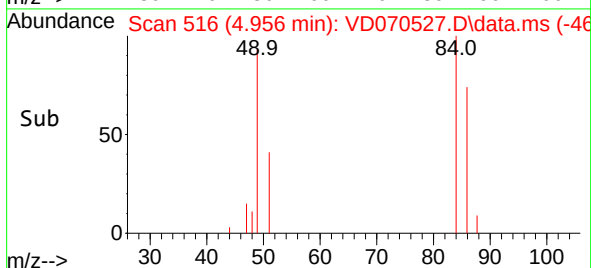
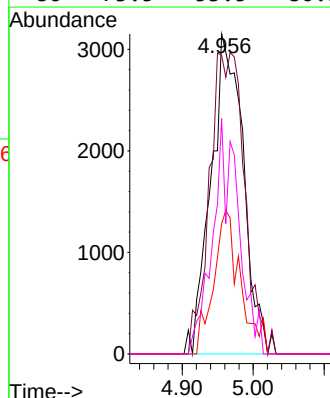
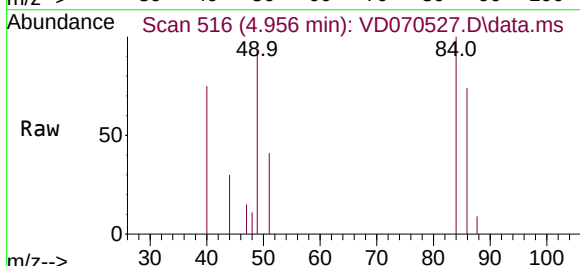
Ion Ratio Lower Upper

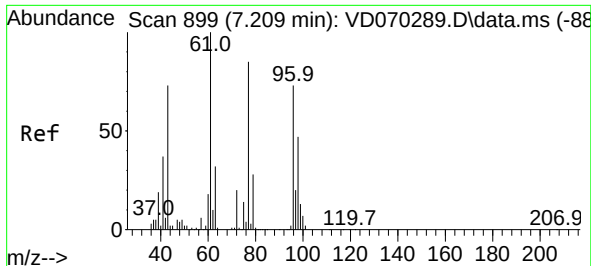
84 100

49 93.3 89.6 134.4

51 40.7 28.6 43.0

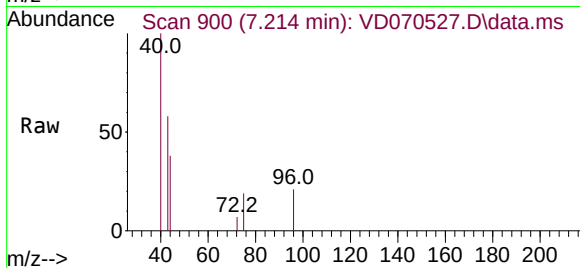
86 73.5 53.5 80.3



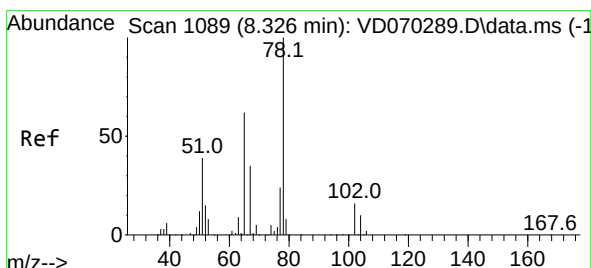
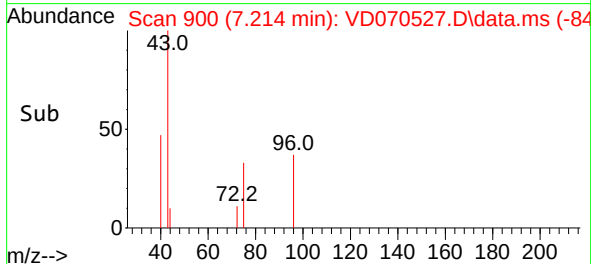
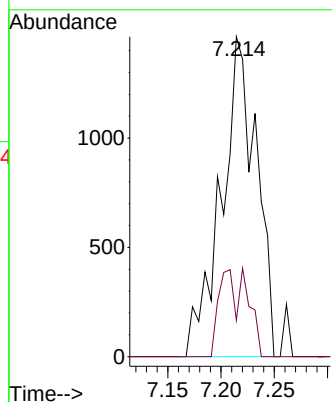


#25
2-Butanone
Concen: 6.853 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

Instrument :
MSVOA_D
ClientSampleId :
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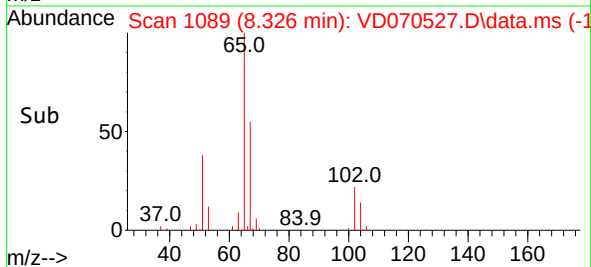
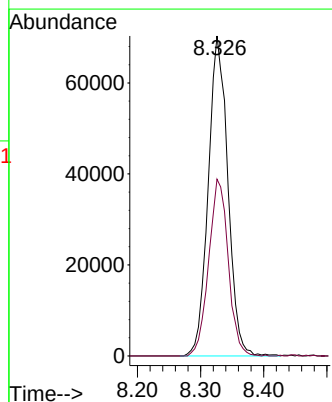
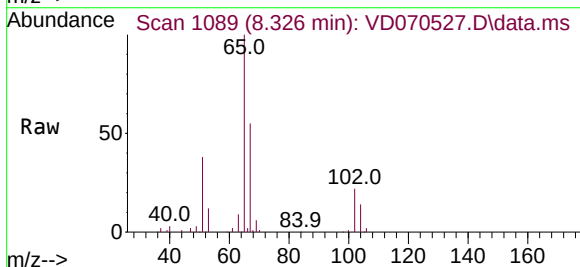


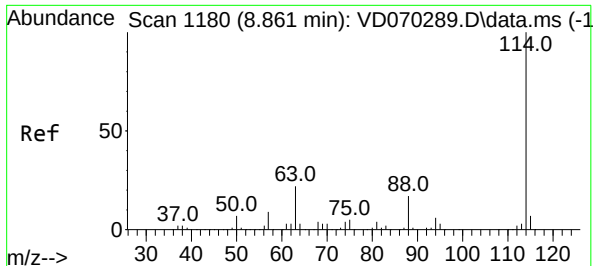
Tgt Ion: 43 Resp: 3345
Ion Ratio Lower Upper
43 100
72 11.4 22.2 33.4#



#33
1,2-Dichloroethane-d4
Concen: 73.866 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

Tgt Ion: 65 Resp: 151705
Ion Ratio Lower Upper
65 100
67 55.0 0.0 111.4

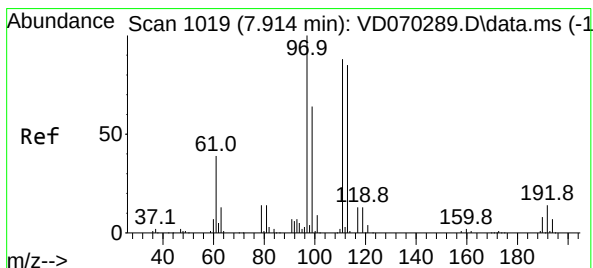
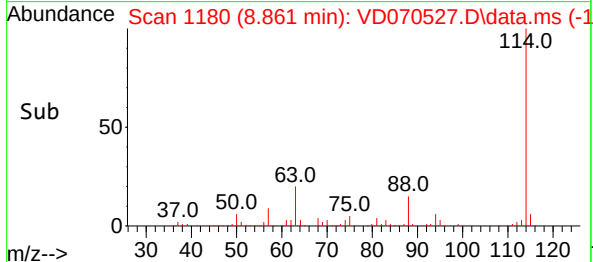
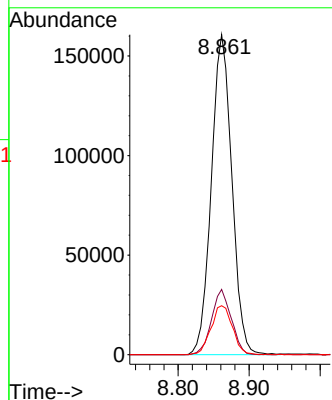
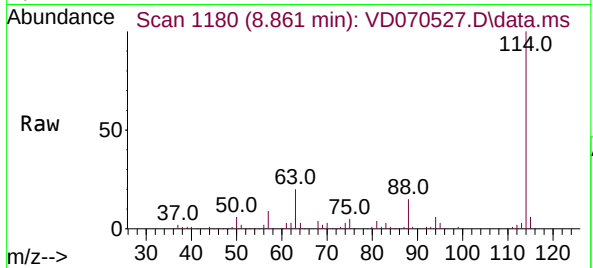




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

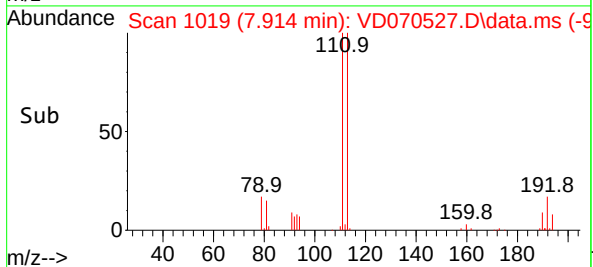
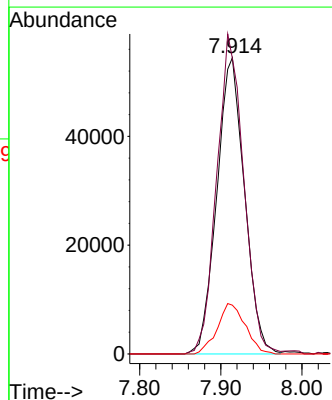
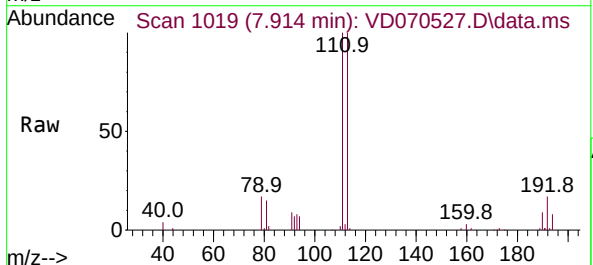
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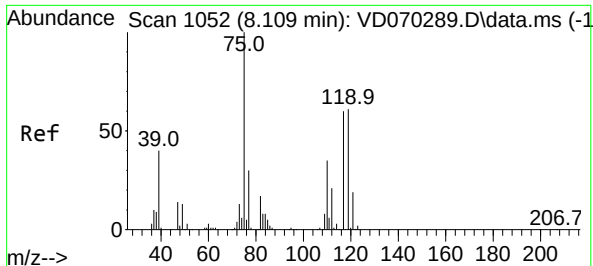
Tgt Ion:	114	Resp:	322298
Ion Ratio	Lower	Upper	
114	100		
63	20.4	0.0	43.4
88	15.3	0.0	33.4



#35
Dibromofluoromethane
Concen: 56.229 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

Tgt Ion:	113	Resp:	128998
Ion Ratio	Lower	Upper	
113	100		
111	105.1	81.4	122.2
192	17.2	13.0	19.6



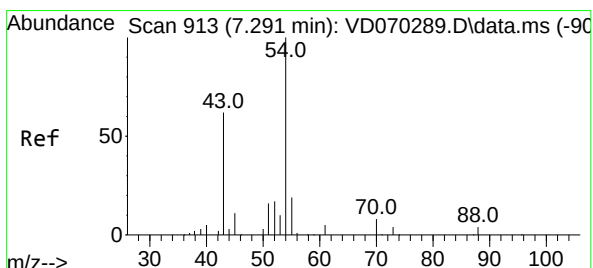
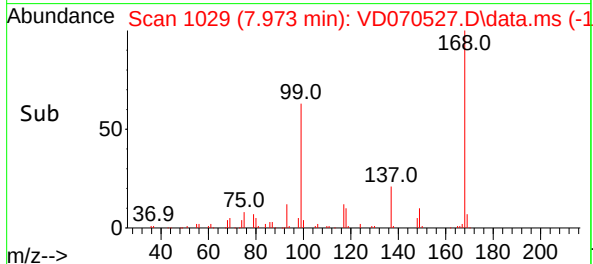
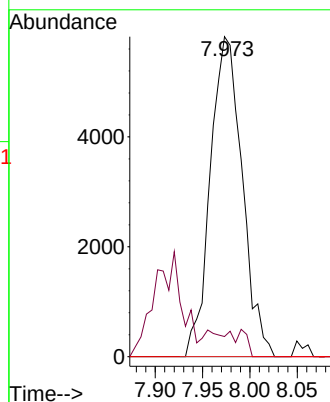
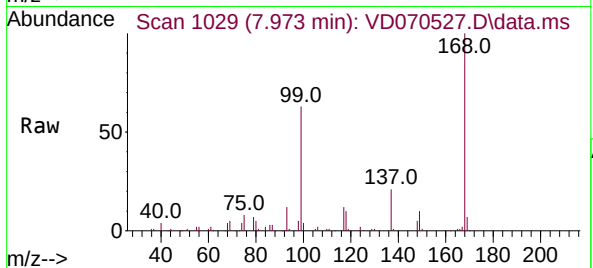


#36

1,1-Dichloropropene
Concen: 3.952 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

Instrument :
MSVOA_D
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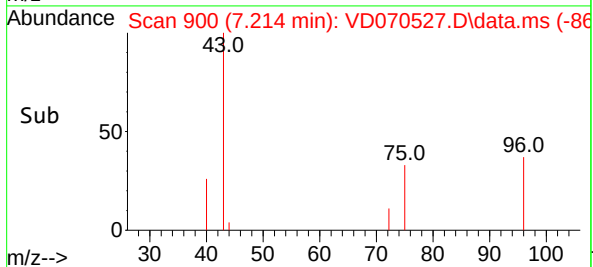
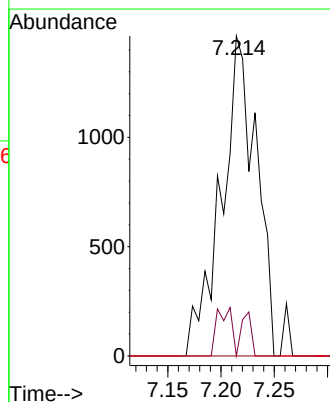
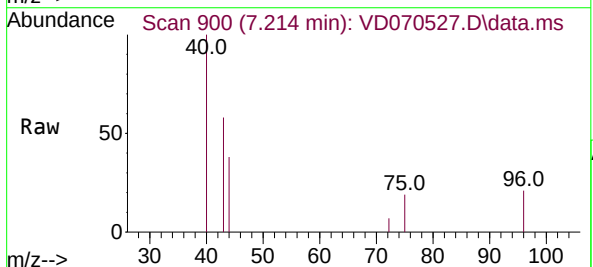
Tgt Ion: 75 Resp: 13616
Ion Ratio Lower Upper
75 100
110 1.1 17.9 53.7#
77 0.0 25.3 37.9#

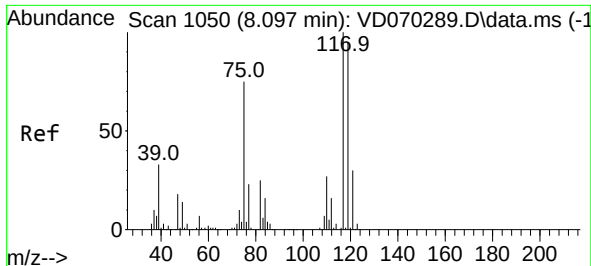


#37

Ethyl Acetate
Concen: 2.597 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

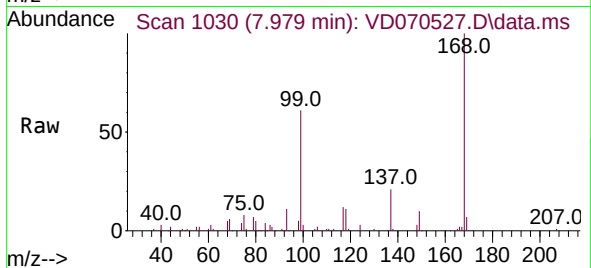
Tgt Ion: 43 Resp: 3345
Ion Ratio Lower Upper
43 100
61 6.3 13.0 19.6#
70 0.0 9.8 14.6#



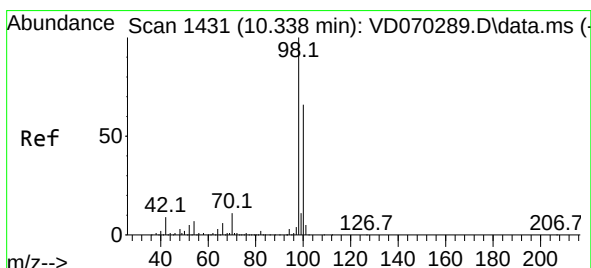
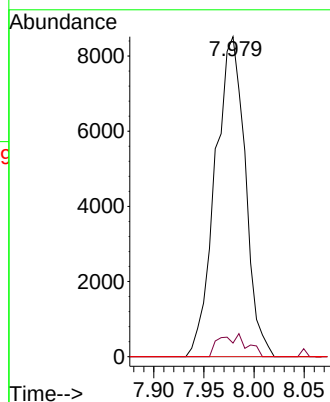
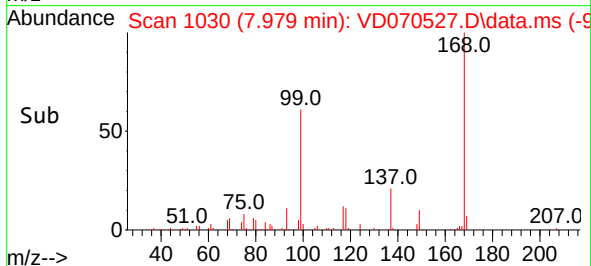


#38
Carbon Tetrachloride
Concen: 5.213 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

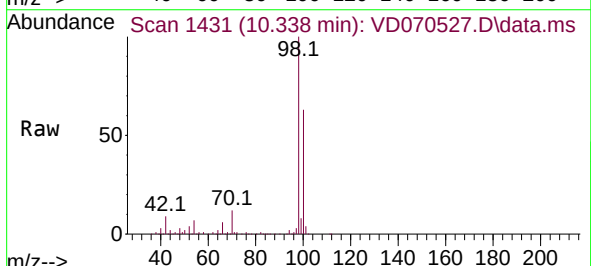
Instrument :
MSVOA_D
ClientSampleId :
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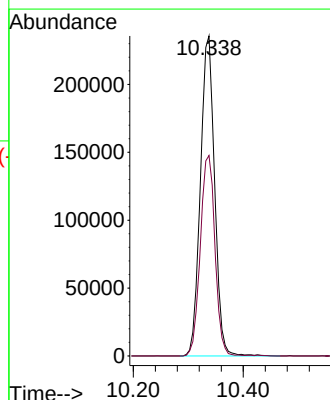
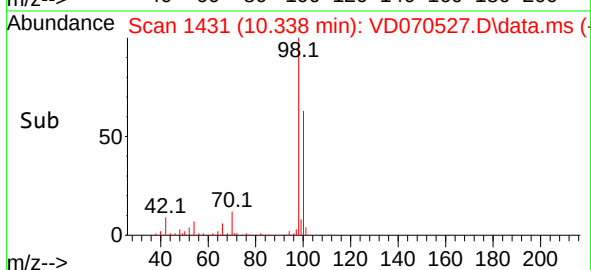
Tgt Ion:117 Resp: 17762
Ion Ratio Lower Upper
117 100
119 4.2 76.1 114.1#
121 0.0 23.8 35.6#

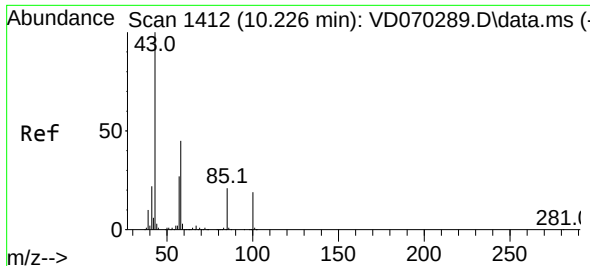


#50
Toluene-d8
Concen: 50.855 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11



Tgt Ion: 98 Resp: 423596
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

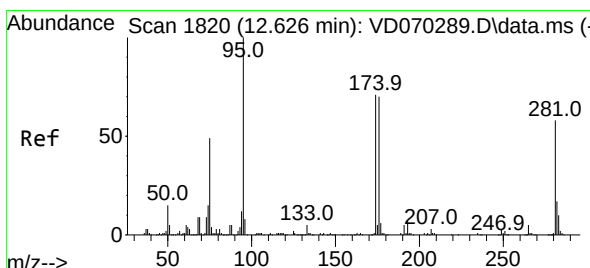
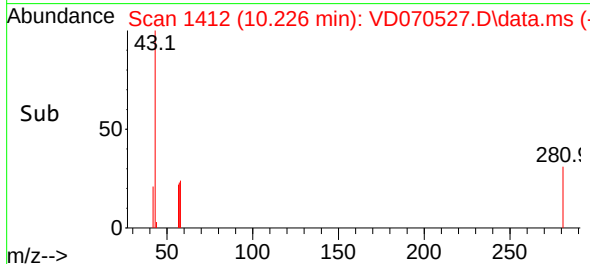
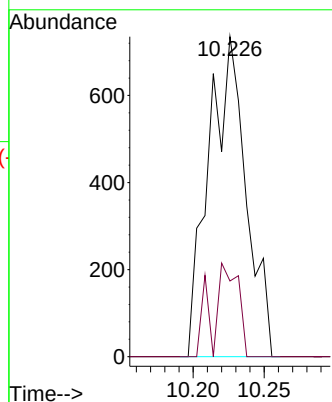
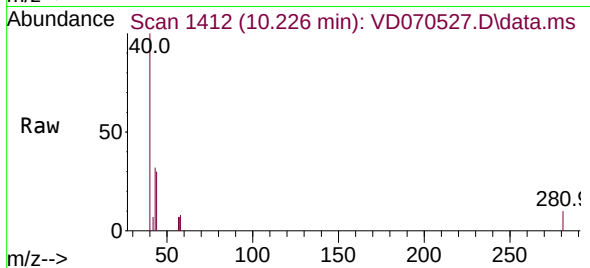




#51
4-Methyl-2-Pentanone
Concen: 1.094 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

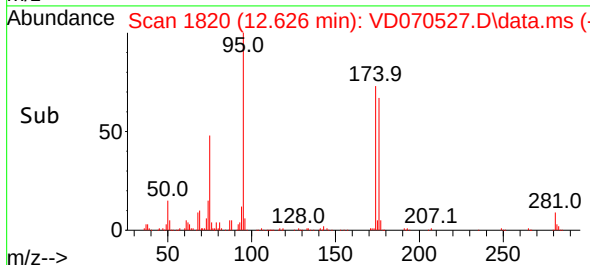
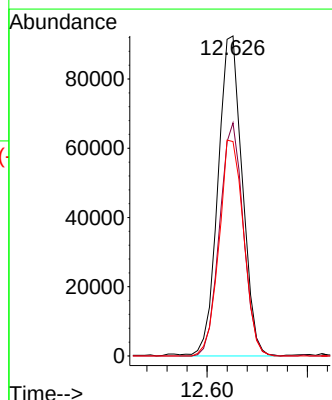
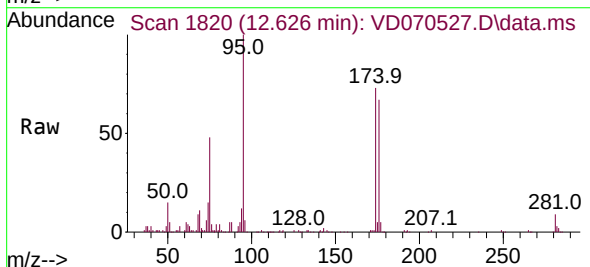
Instrument :
MSVOA_D
ClientSampleId :
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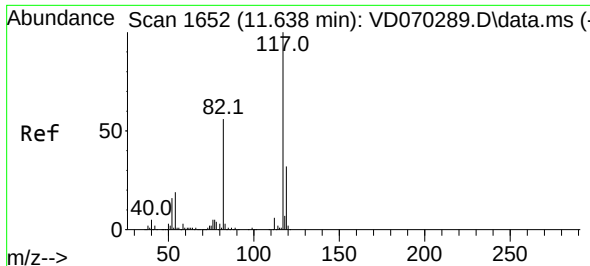
Tgt Ion: 43 Resp: 1348
Ion Ratio Lower Upper
43 100
58 20.0 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 53.415 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

Tgt Ion: 95 Resp: 155495
Ion Ratio Lower Upper
95 100
174 70.9 0.0 140.6
176 68.1 0.0 137.4

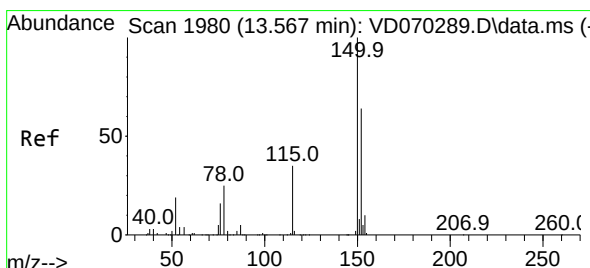
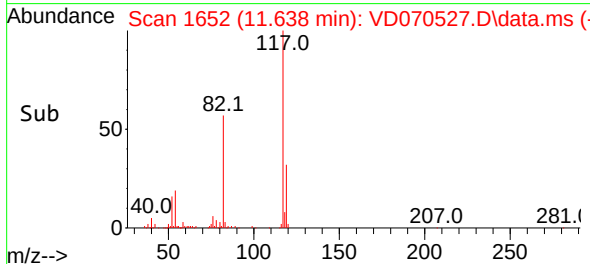
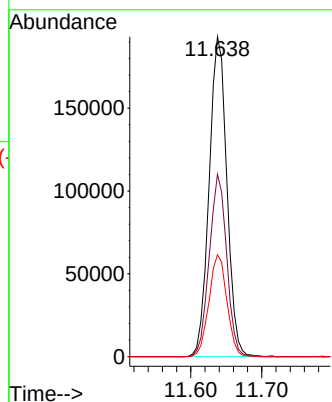
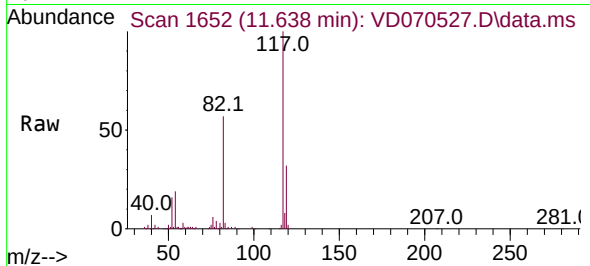




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

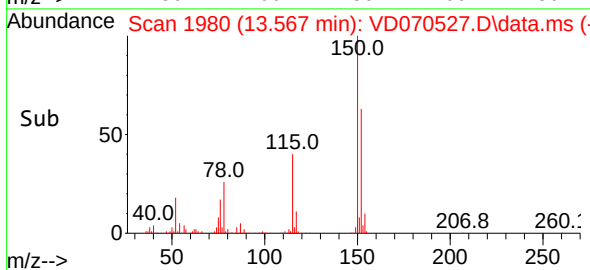
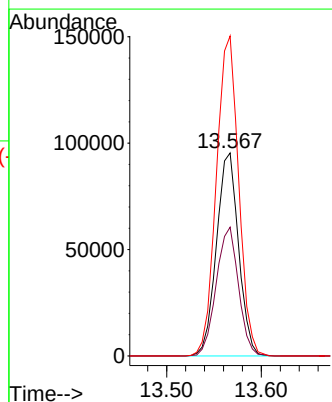
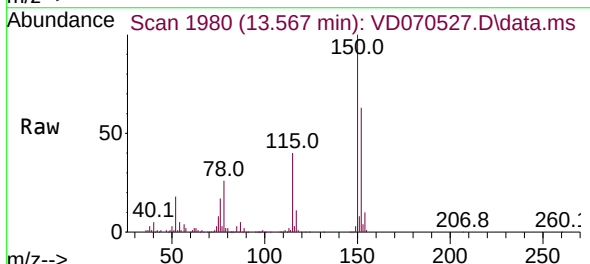
Instrument :
MSVOA_D
ClientSampleId :
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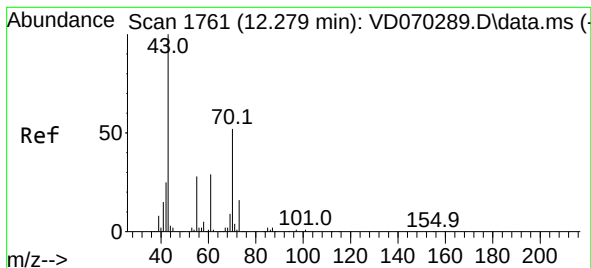
Tgt Ion:	117	Resp:	334801
Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.0	67.4
119	31.9	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

Tgt Ion:	152	Resp:	154663
Ion	Ratio	Lower	Upper
152	100		
115	64.0	32.1	96.3
150	158.7	0.0	350.6

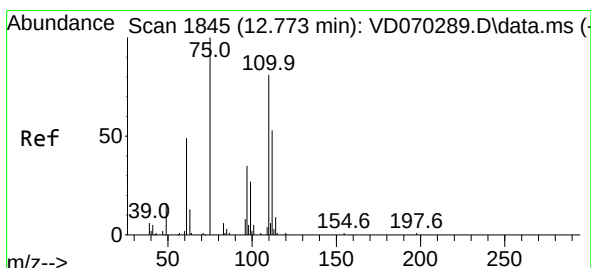
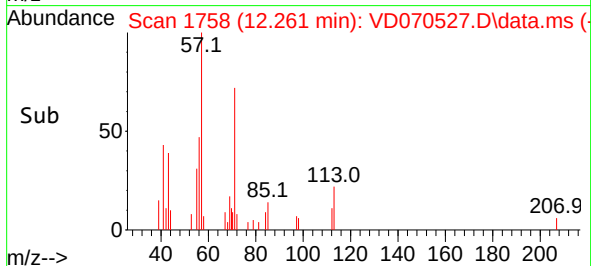
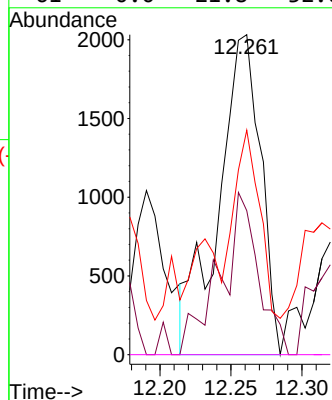
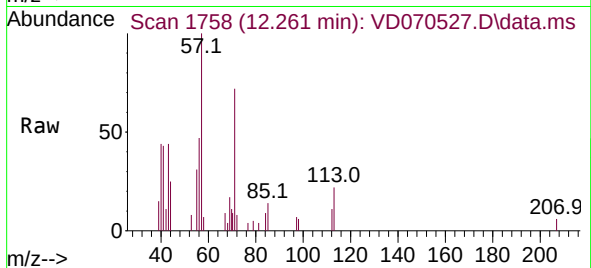




#74
N-amy1 acetate
Concen: 1.765 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

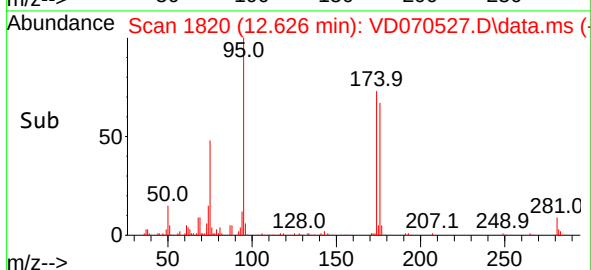
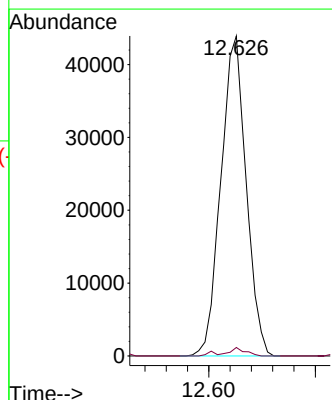
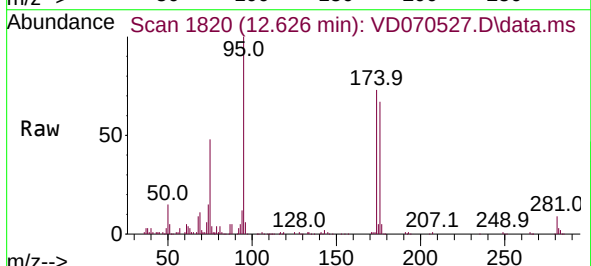
Instrument :
MSVOA_D
ClientSampleId :
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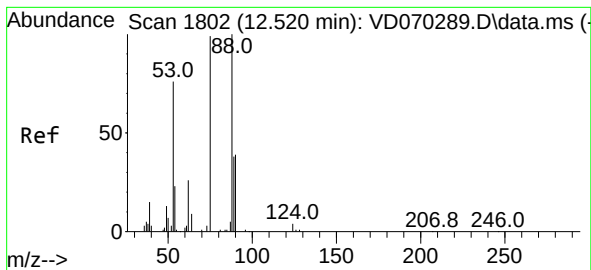
Tgt Ion: 43	Resp: 4172
Ion Ratio	Lower Upper
43 100	
70 46.3	41.4 62.0
55 35.4	22.8 34.2#
61 0.0	21.8 32.6#



#76
1,2,3-Trichloropropane
Concen: 46.174 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070527.D
Acq: 29 Sep 2021 17:11

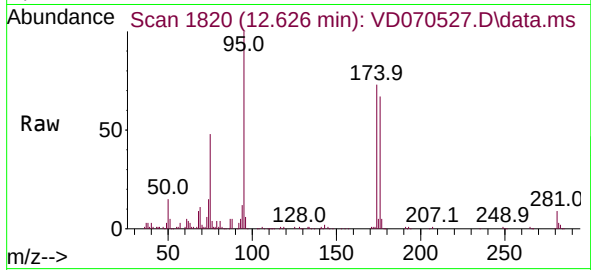
Tgt Ion: 75	Resp: 72237
Ion Ratio	Lower Upper
75 100	
77 1.6	174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.694 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070527.D
 Acq: 29 Sep 2021 17:11

Instrument :
 MSVOA_D
 ClientSampleId :
 S-841-R-SO-2-2.5-092821



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.7	64.2	96.2#
89	0.0	35.6	53.4#

