

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070528.D
 Acq On : 29 Sep 2021 17:40
 Operator : VA/SY
 Sample : M3975-06
 Misc : 8.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-841-R-SO-4-4.5-092821

Quant Time: Sep 30 00:47:07 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)

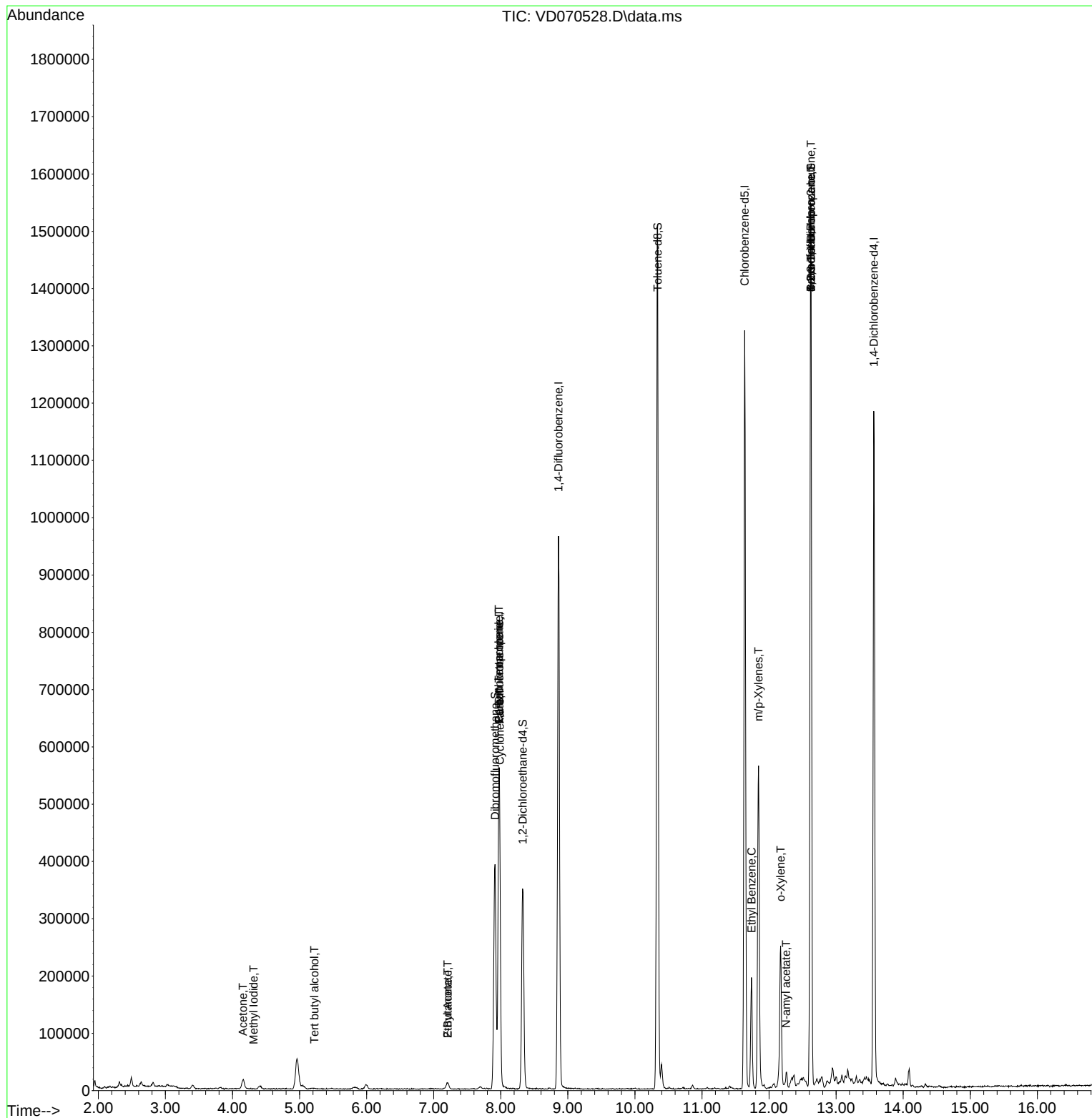
Internal Standards						
1) Pentafluorobenzene	7.979	168	406102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	847408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	773632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	312562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	290628	55.735	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.480%
35) Dibromofluoromethane	7.914	113	291842	48.383	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.760%
50) Toluene-d8	10.338	98	1078761	49.257	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.520%
62) 4-Bromofluorobenzene	12.626	95	378551	49.458	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.920%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	84	Below Cal	#	43
3) Chloromethane	2.215	50	493	Below Cal	#	42
5) Bromomethane	2.785	94	704	Below Cal		90
6) Chloroethane	2.938	64	56	Below Cal	#	43
10) Methyl Iodide	4.314	142	135	1.055	ug/l #	39
11) Tert butyl alcohol	5.220	59	1488	2.524	ug/l #	100
16) Acetone	4.156	43	27060	29.067	ug/l	92
18) Methyl Acetate	4.709	43	96	Below Cal	#	48
25) 2-Butanone	7.208	43	6723	5.425	ug/l	91
31) Cyclohexane	7.985	56	9444	1.051	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	36472	4.027	ug/l #	49
37) Ethyl Acetate	7.208	43	6723	1.985	ug/l #	9
38) Carbon Tetrachloride	7.973	117	45095	5.034	ug/l #	16
67) Ethyl Benzene	11.738	91	138533	5.012	ug/l	98
68) m/p-Xylenes	11.844	106	175981	16.485	ug/l	99
69) o-Xylene	12.173	106	68306	7.142	ug/l	96
71) Bromoform	12.620	173	3076	1.060	ug/l #	1
74) N-amyl acetate	12.255	43	6188	1.296	ug/l #	60
76) 1,2,3-Trichloropropane	12.626	75	183718	58.109	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	183718	145.598	ug/l #	18

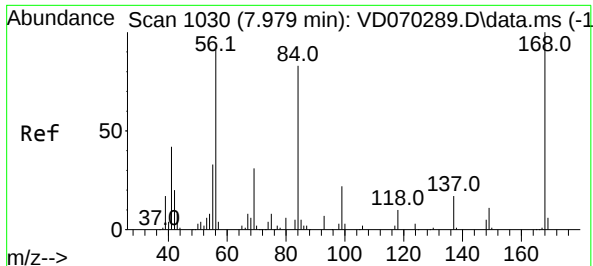
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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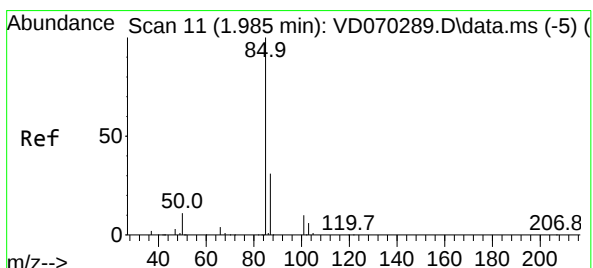
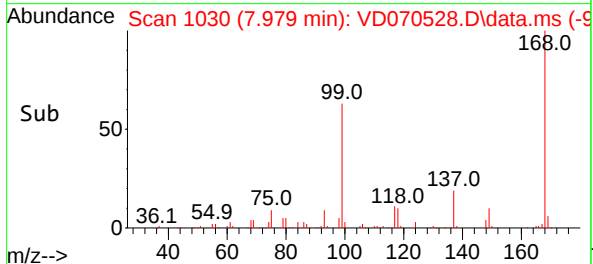
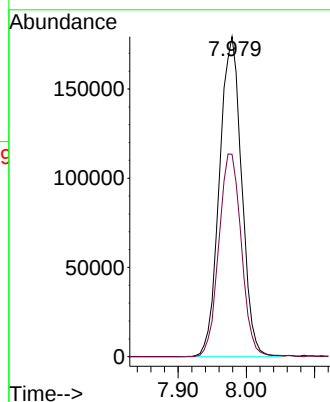
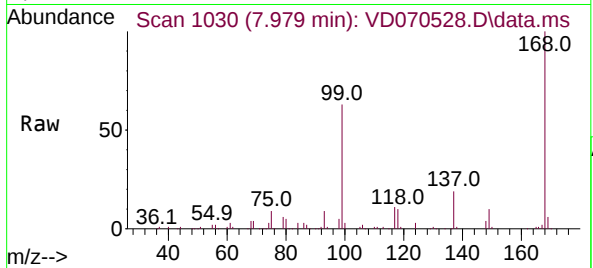




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

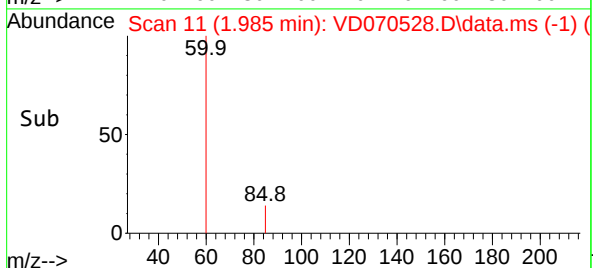
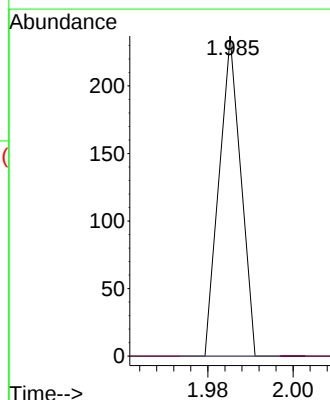
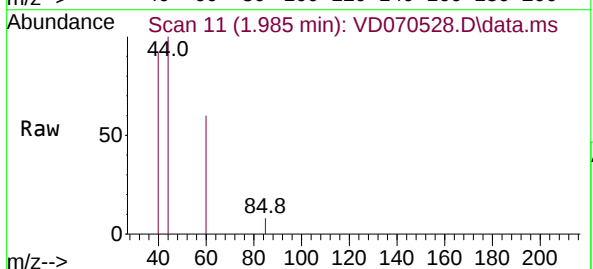
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

Tgt Ion:168 Resp: 406102
Ion Ratio Lower Upper
168 100
99 63.3 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

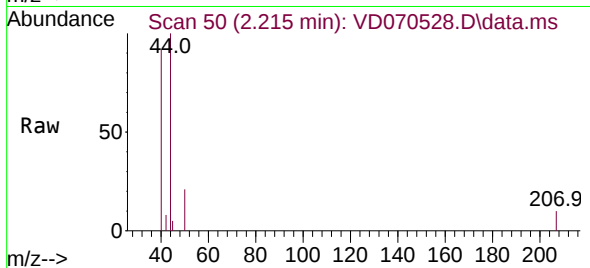
Tgt Ion: 85 Resp: 84
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#



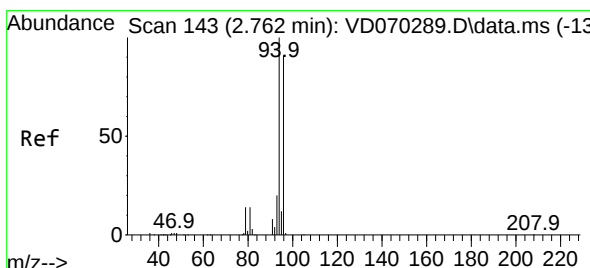
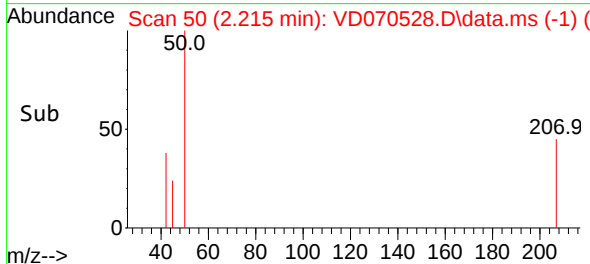
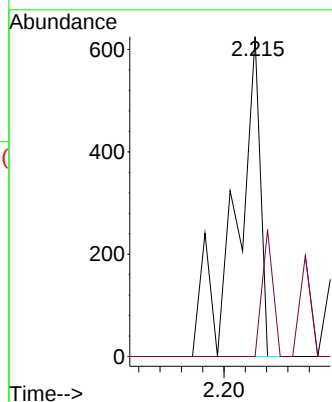


#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

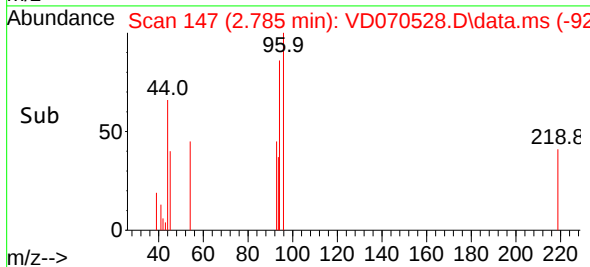
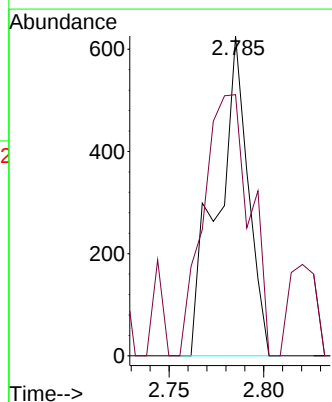
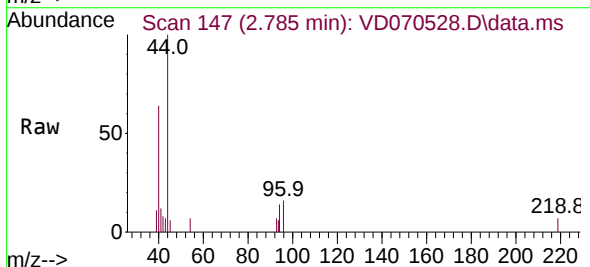


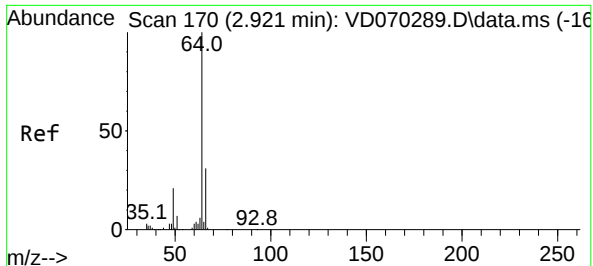
Tgt Ion: 50 Resp: 493
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Tgt Ion: 94 Resp: 704
Ion Ratio Lower Upper
94 100
96 81.6 73.0 109.6

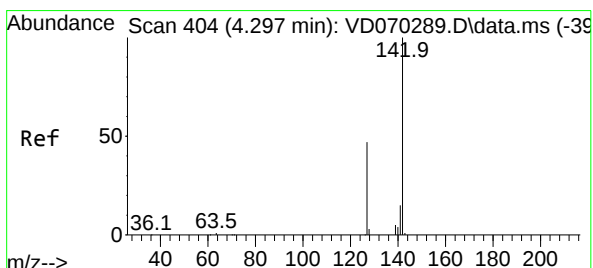
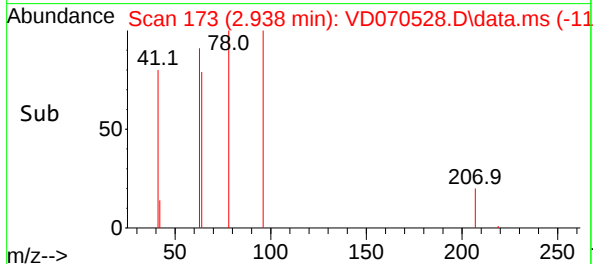
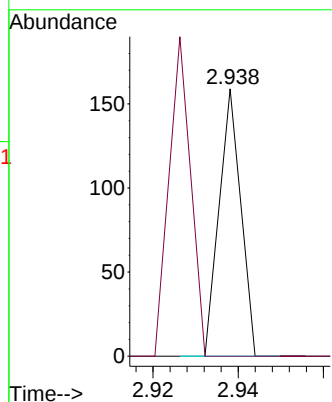
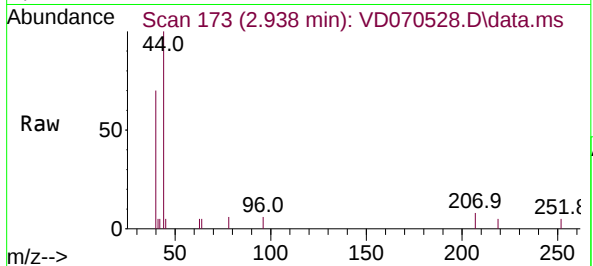




#6
Chloroethane
Concen: Below Cal
RT: 2.938 min Scan# 173
Delta R.T. 0.017 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

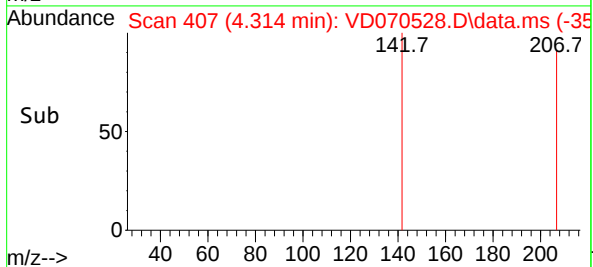
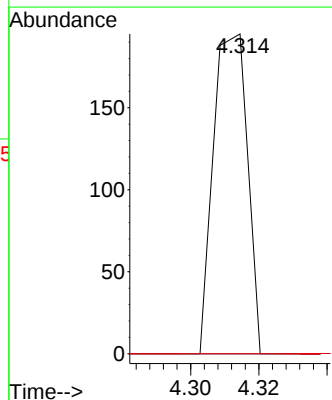
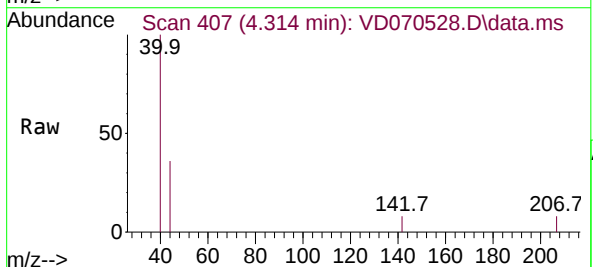
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

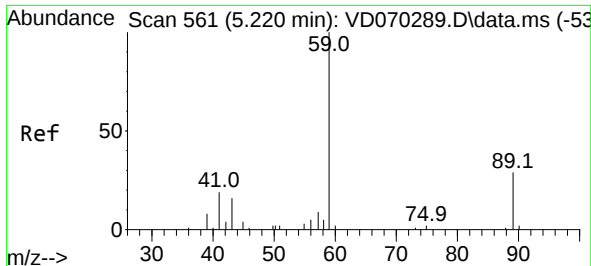
Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.055 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Tgt Ion:142 Resp: 135
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

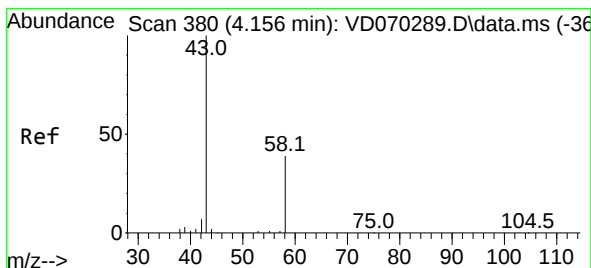
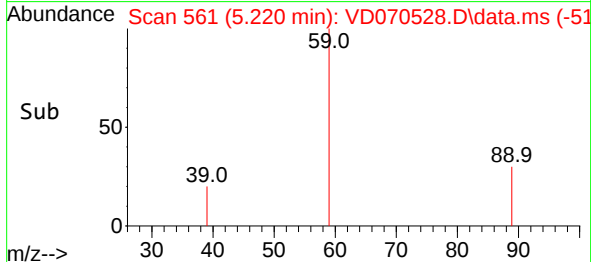
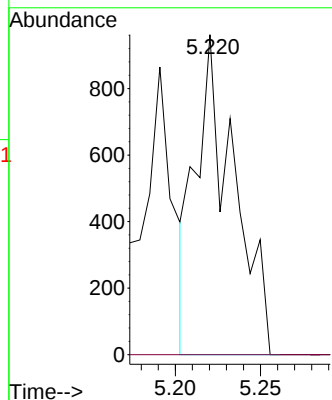
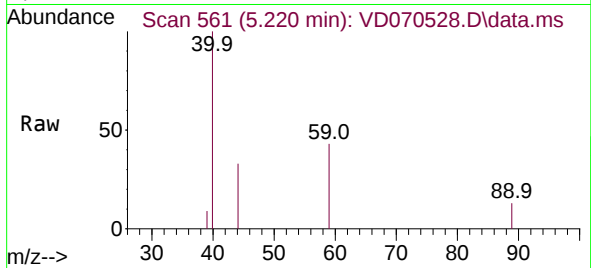




#11
Tert butyl alcohol
Concen: 2.524 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

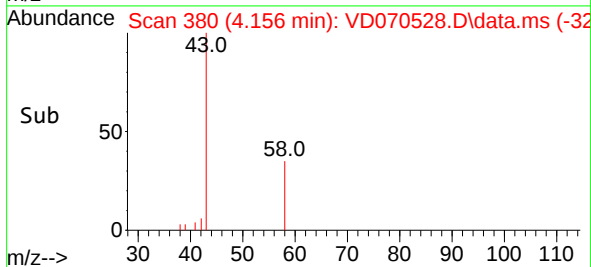
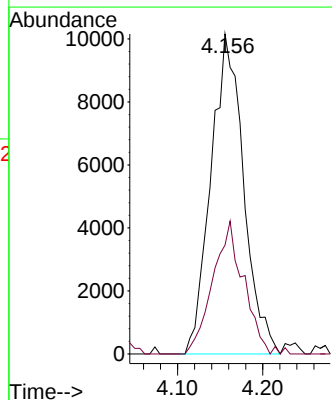
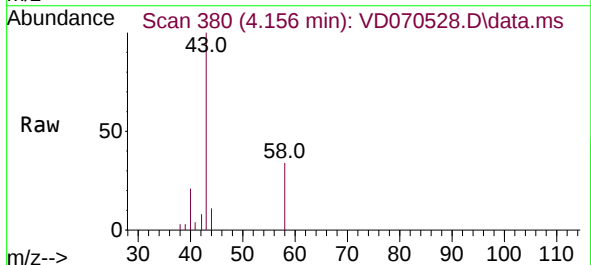
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

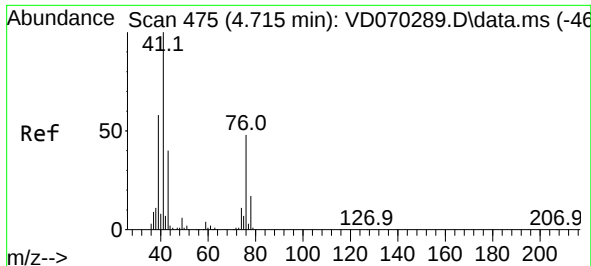
Tgt Ion: 59 Resp: 1488
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 29.067 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Tgt Ion: 43 Resp: 27060
Ion Ratio Lower Upper
43 100
58 34.0 30.9 46.3





#18

Methyl Acetate

Concen: Below Cal

RT: 4.709 min Scan# 474

Delta R.T. -0.006 min

Lab File: VD070528.D

Acq: 29 Sep 2021 17:40

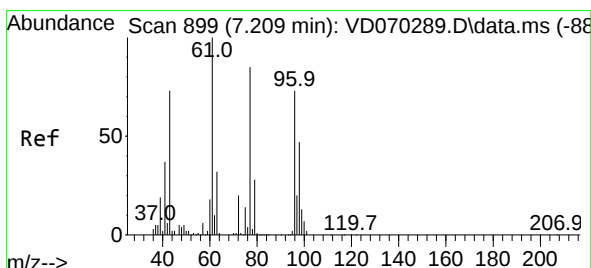
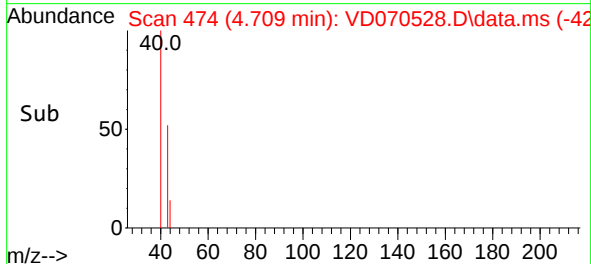
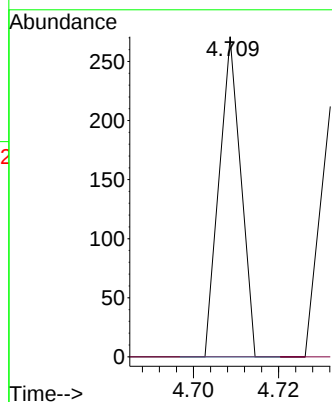
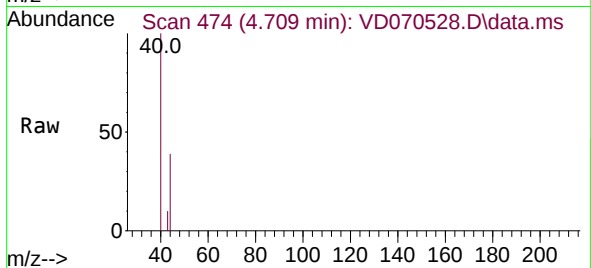
Instrument :

MSVOA_D

ClientSampleId :

S-841-R-SO-4-4.5-092821

Tgt Ion: 43 Resp: 96
 Ion Ratio Lower Upper
 43 100
 74 0.0 21.6 32.4#



#25

2-Butanone

Concen: 5.425 ug/l

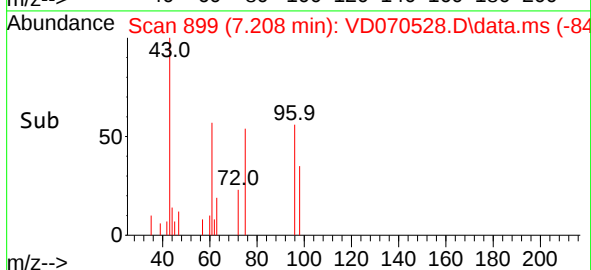
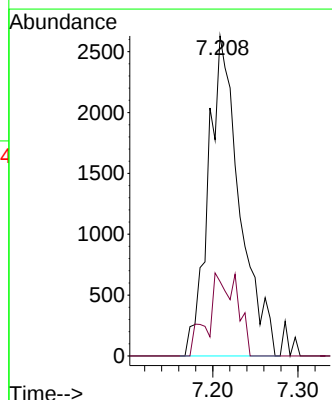
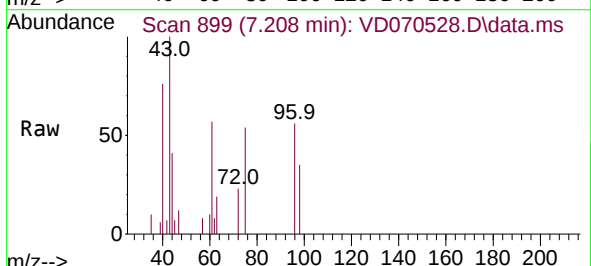
RT: 7.208 min Scan# 899

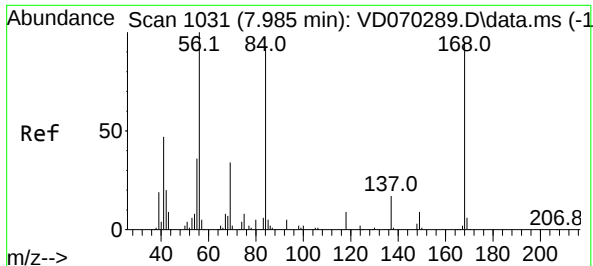
Delta R.T. -0.000 min

Lab File: VD070528.D

Acq: 29 Sep 2021 17:40

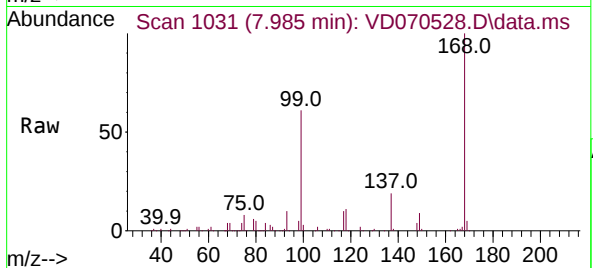
Tgt Ion: 43 Resp: 6723
 Ion Ratio Lower Upper
 43 100
 72 23.2 22.2 33.4



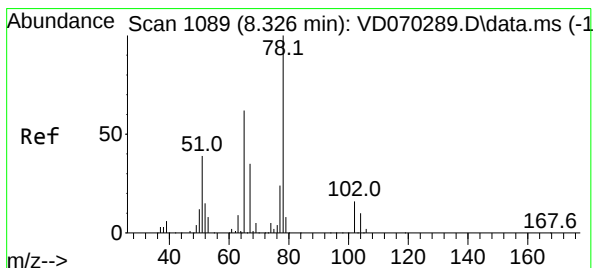
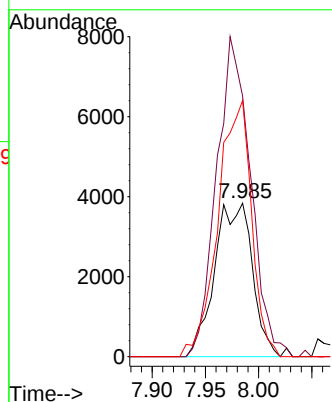
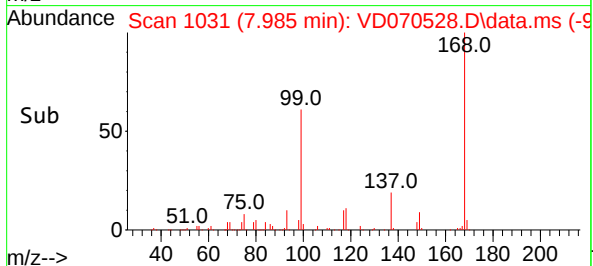


#31
Cyclohexane
Concen: 1.051 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

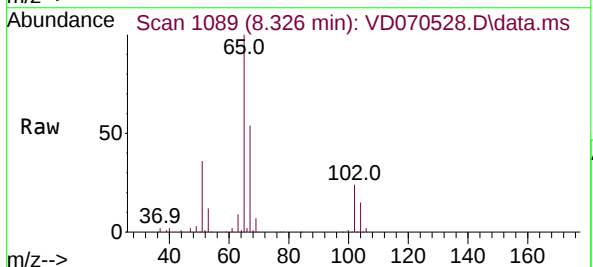
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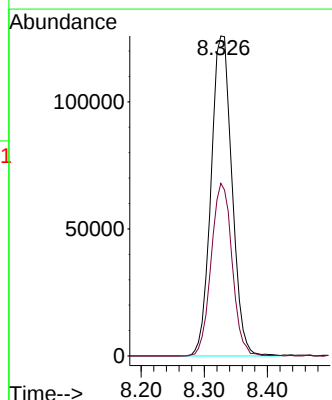
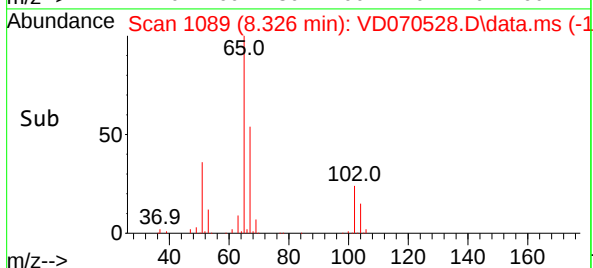
Tgt Ion: 56 Resp: 9444
Ion Ratio Lower Upper
56 100
69 169.9 26.9 40.3#
84 167.0 73.6 110.4#

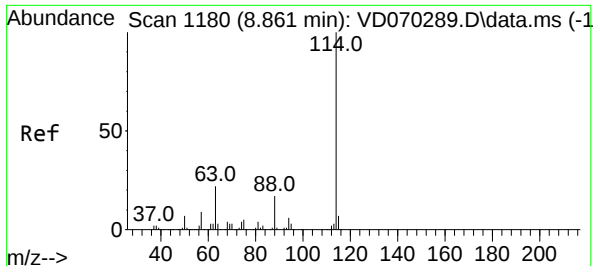


#33
1,2-Dichloroethane-d4
Concen: 55.735 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40



Tgt Ion: 65 Resp: 290628
Ion Ratio Lower Upper
65 100
67 53.8 0.0 111.4



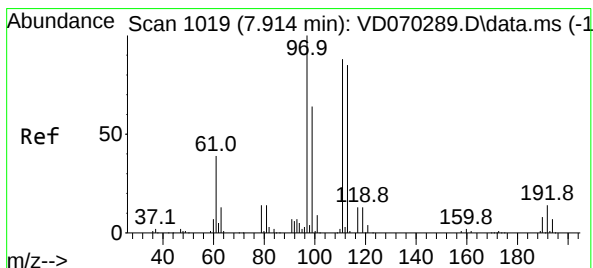
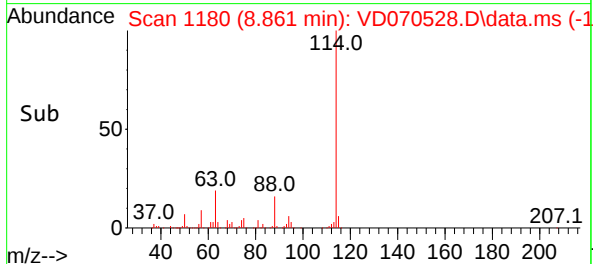
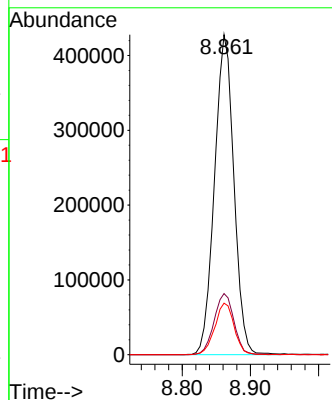
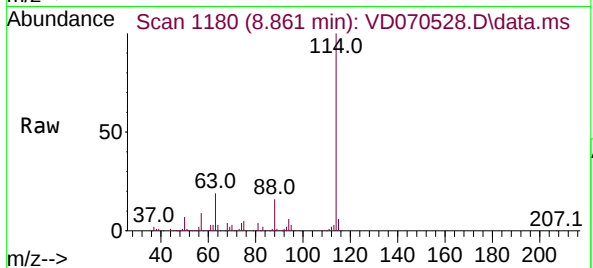


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

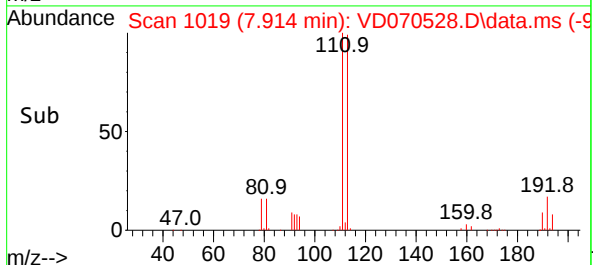
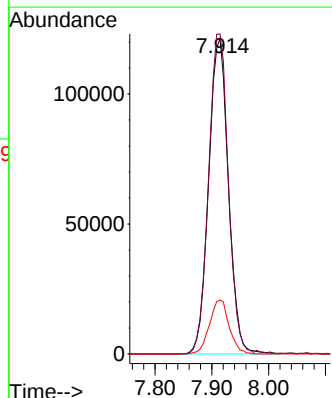
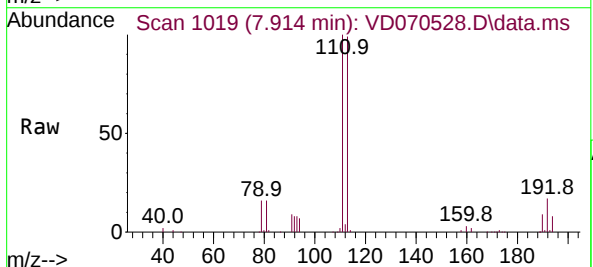
Tgt Ion:	114	Resp:	847408
Ion Ratio	Lower	Upper	
114	100		
63	19.1	0.0	43.4
88	16.1	0.0	33.4

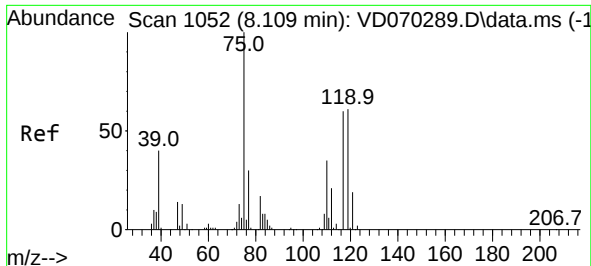


#35

Dibromofluoromethane
Concen: 48.383 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

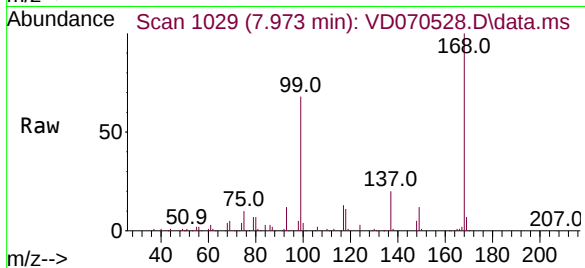
Tgt Ion:	113	Resp:	291842
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.4	122.2
192	17.0	13.0	19.6



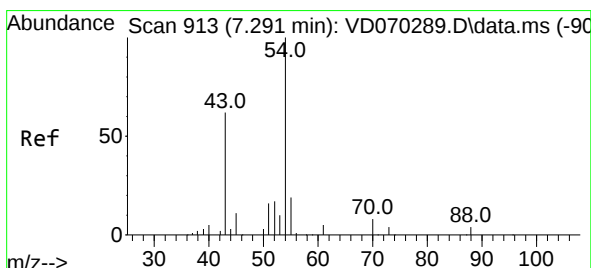
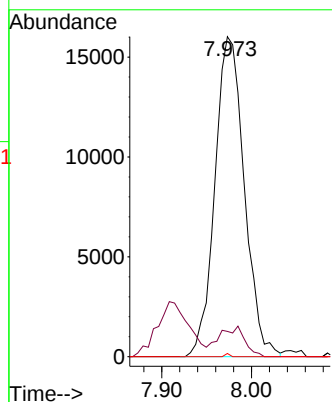
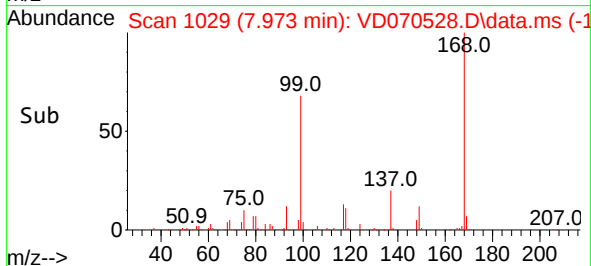


#36
1,1-Dichloropropene
Concen: 4.027 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

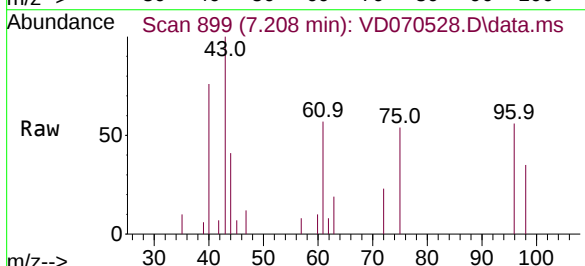
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821



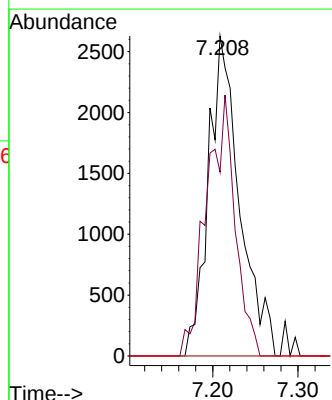
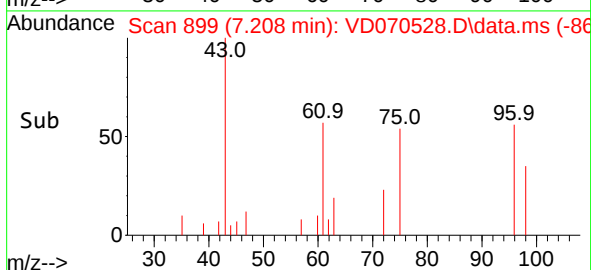
Tgt Ion: 75 Resp: 36472
Ion Ratio Lower Upper
75 100
110 8.4 17.9 53.7#
77 0.2 25.3 37.9#

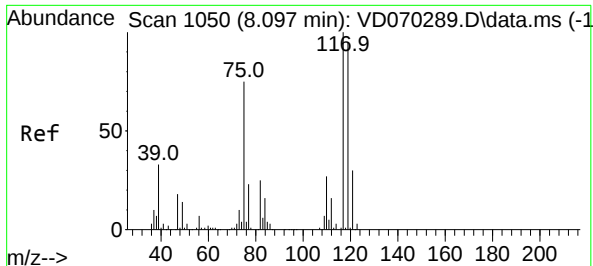


#37
Ethyl Acetate
Concen: 1.985 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40



Tgt Ion: 43 Resp: 6723
Ion Ratio Lower Upper
43 100
61 74.4 13.0 19.6#
70 0.0 9.8 14.6#

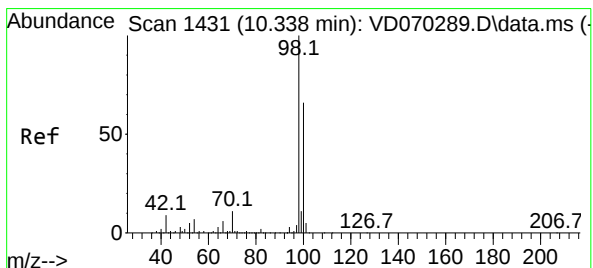
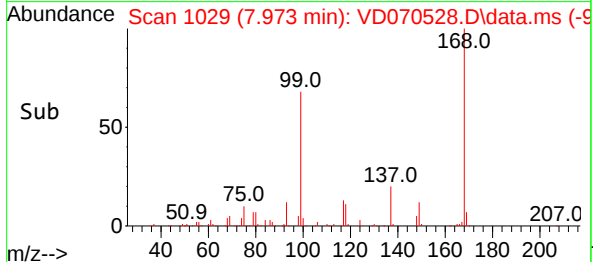
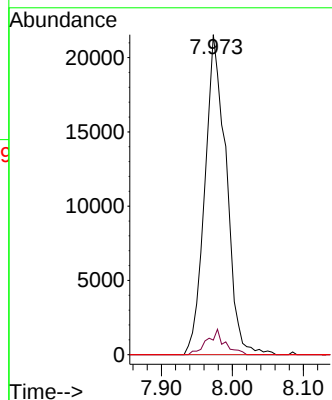
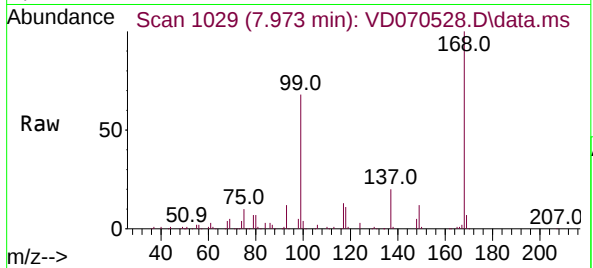




#38
Carbon Tetrachloride
Concen: 5.034 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

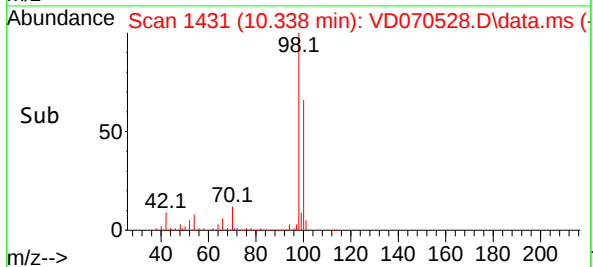
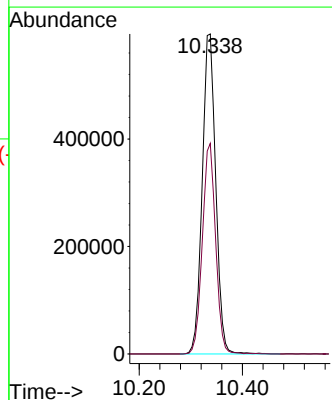
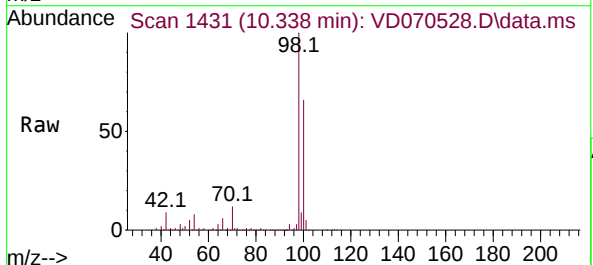
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

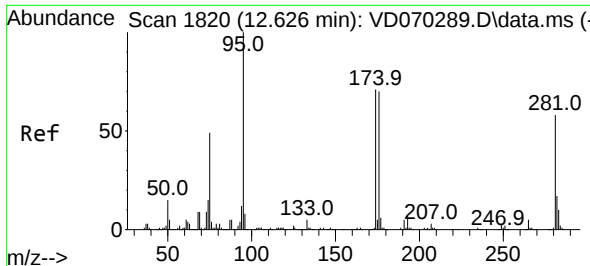
Tgt Ion:117 Resp: 45095
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 49.257 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Tgt Ion: 98 Resp: 1078761
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

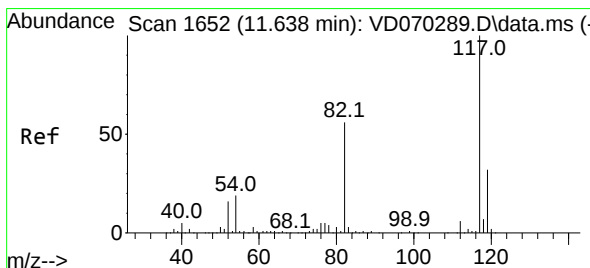
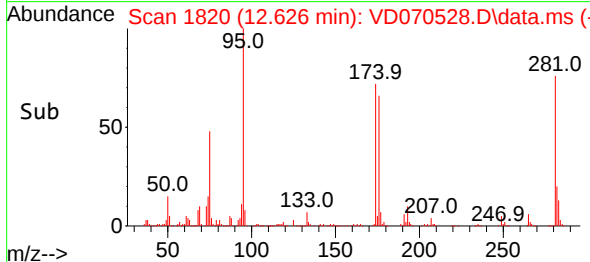
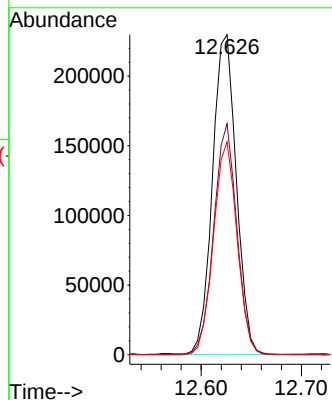
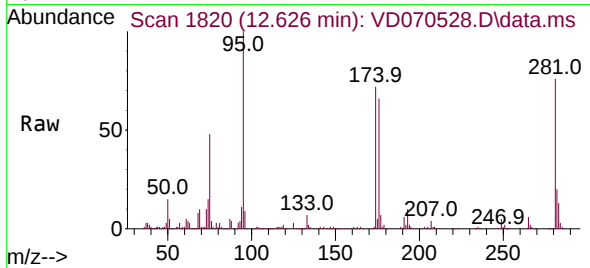




#62
4-Bromofluorobenzene
Concen: 49.458 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

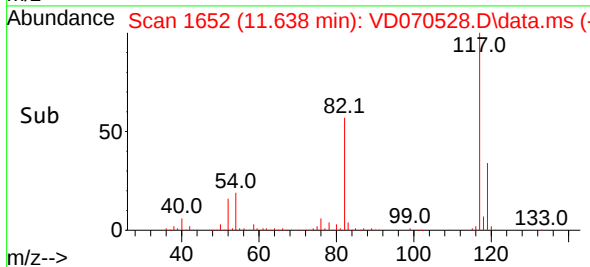
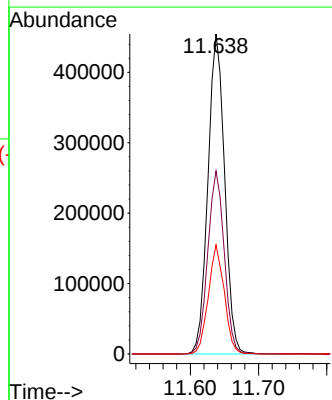
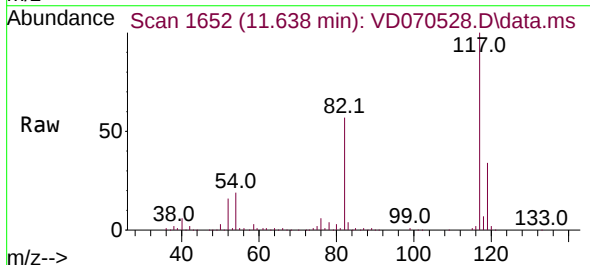
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

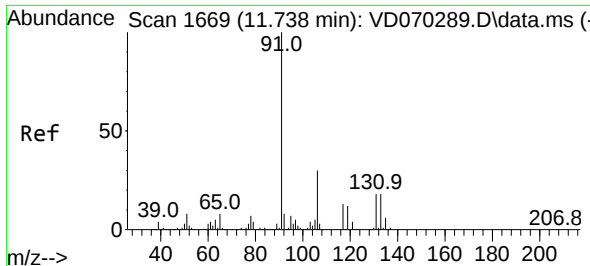
Tgt Ion: 95 Resp: 378551
Ion Ratio Lower Upper
95 100
174 70.1 0.0 140.6
176 65.8 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Tgt Ion: 117 Resp: 773632
Ion Ratio Lower Upper
117 100
82 57.2 45.0 67.4
119 34.1 25.2 37.8

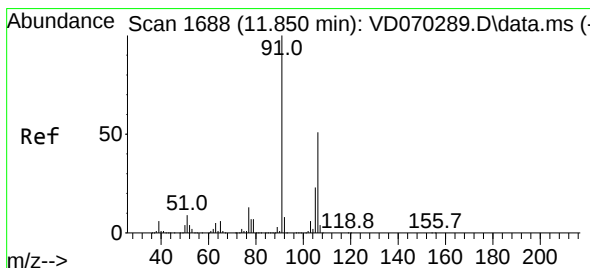
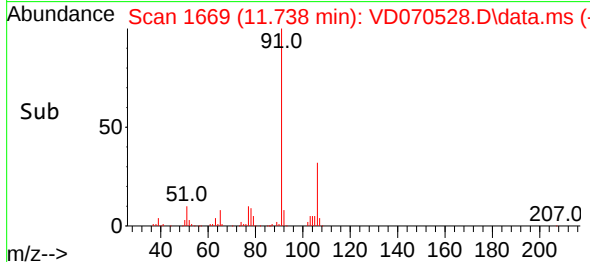
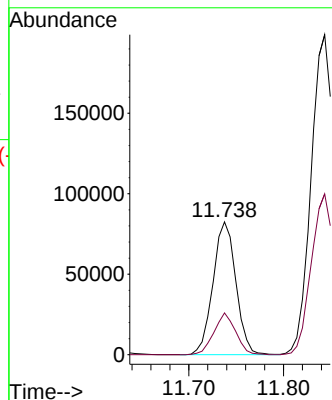
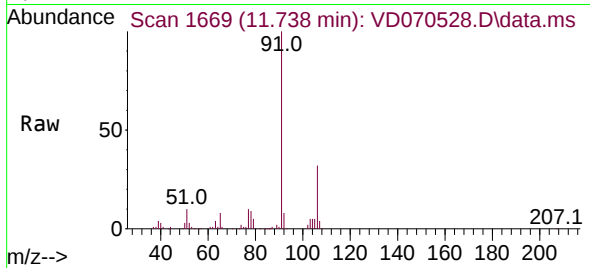




#67
Ethyl Benzene
Concen: 5.012 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

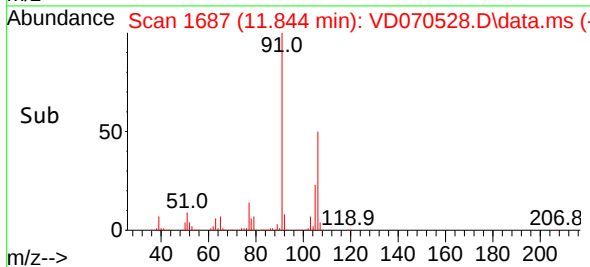
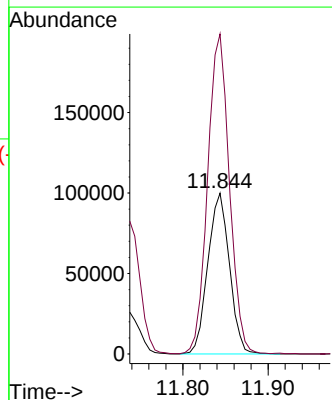
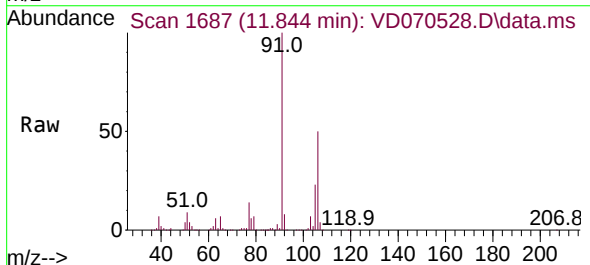
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

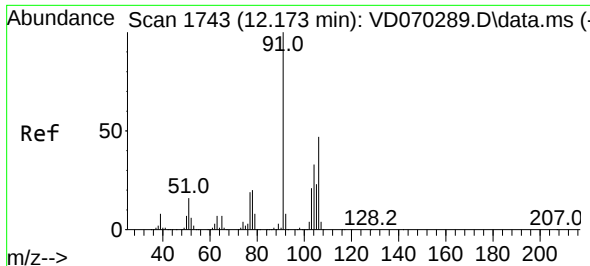
Tgt Ion: 91 Resp: 138533
Ion Ratio Lower Upper
91 100
106 31.5 24.2 36.2



#68
m/p-Xylenes
Concen: 16.485 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Tgt Ion: 106 Resp: 175981
Ion Ratio Lower Upper
106 100
91 199.9 161.2 241.8

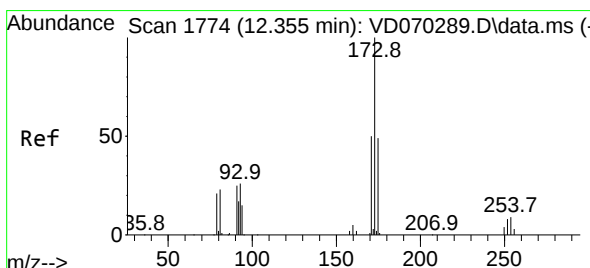
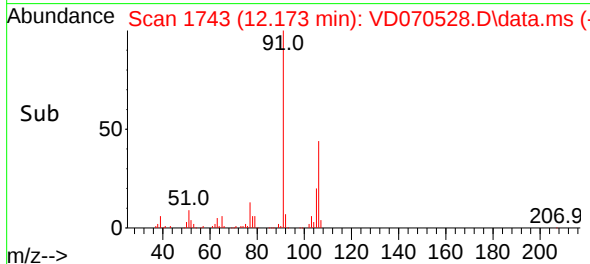
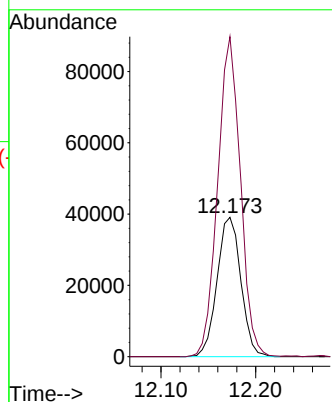
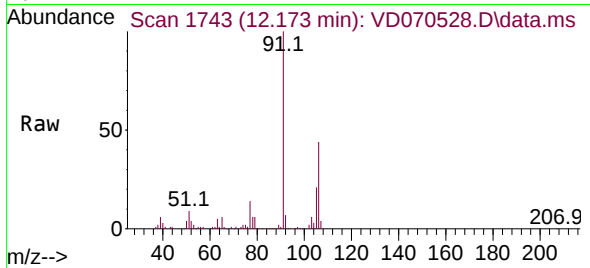




#69
o-Xylene
Concen: 7.142 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

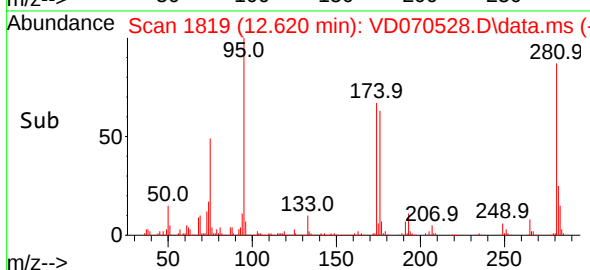
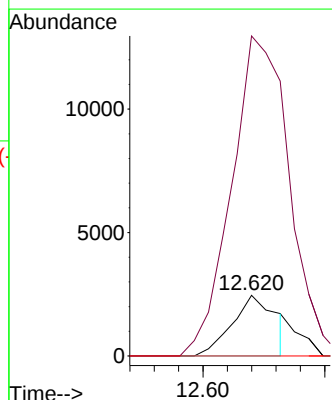
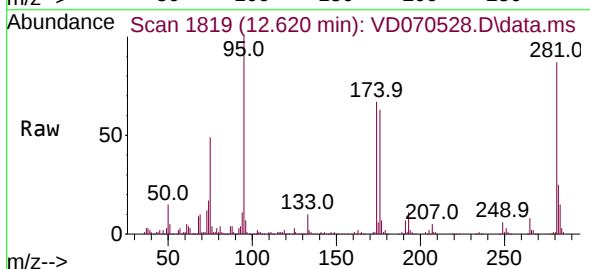
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

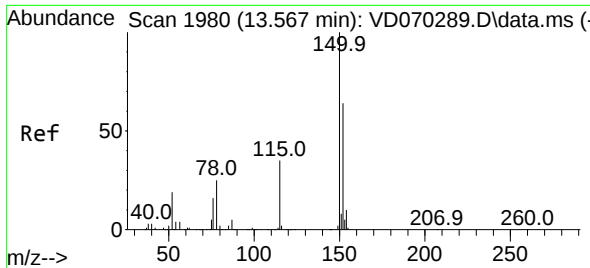
Tgt Ion:106 Resp: 68306
Ion Ratio Lower Upper
106 100
91 219.7 106.3 318.9



#71
Bromoform
Concen: 1.060 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Tgt Ion:173 Resp: 3076
Ion Ratio Lower Upper
173 100
175 594.7 25.1 75.2#
254 0.0 0.1 0.1#

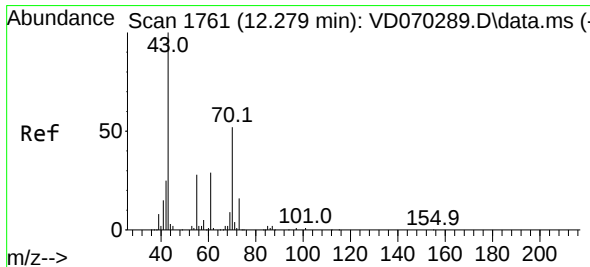
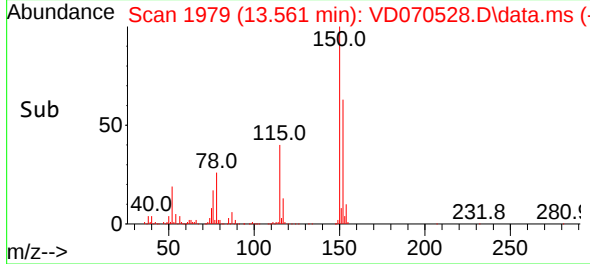
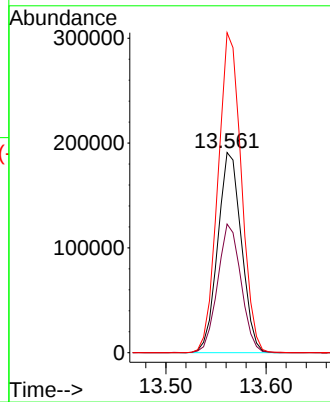
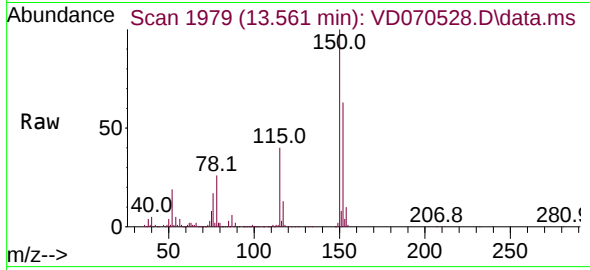




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

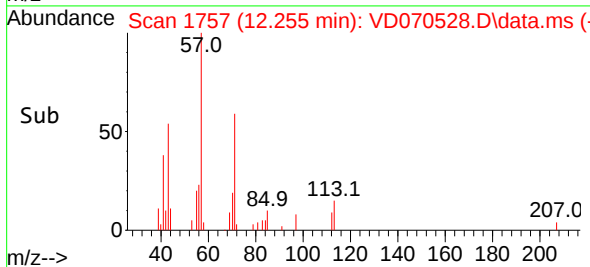
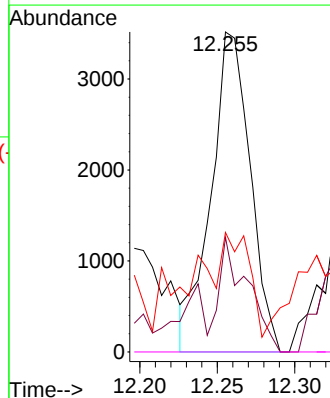
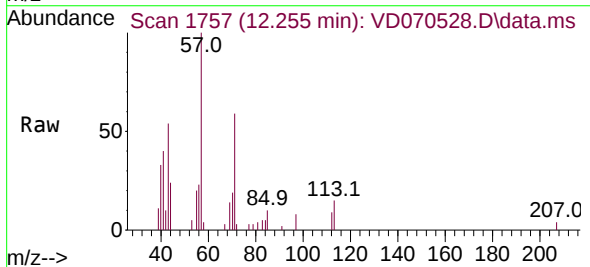
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

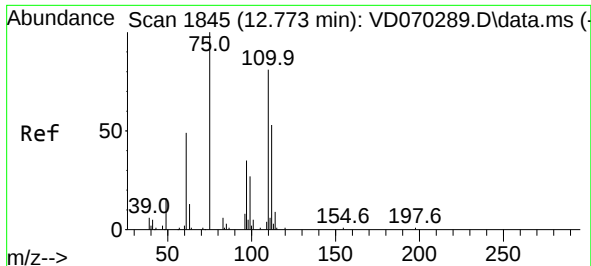
Tgt Ion:152 Resp: 312562
Ion Ratio Lower Upper
152 100
115 63.6 32.1 96.3
150 157.7 0.0 350.6



#74
N-ethyl acetate
Concen: 1.296 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Tgt Ion: 43 Resp: 6188
Ion Ratio Lower Upper
43 100
70 26.1 41.4 62.0#
55 47.3 22.8 34.2#
61 0.0 21.8 32.6#

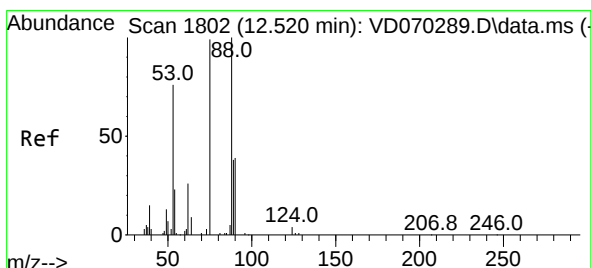
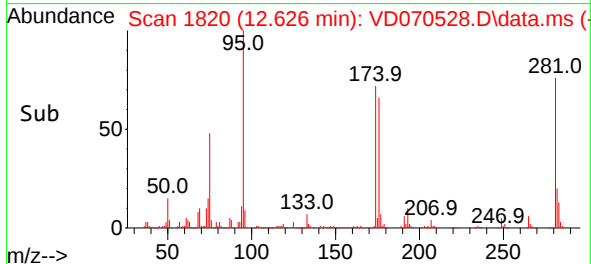
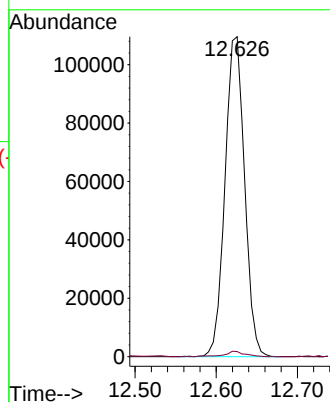
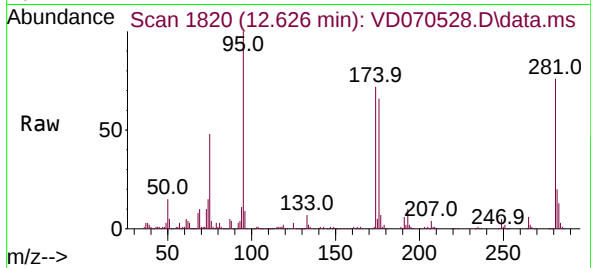




#76
1,2,3-Trichloropropane
Concen: 58.109 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821

Tgt Ion: 75 Resp: 183718
Ion Ratio Lower Upper
75 100
77 1.8 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.598 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070528.D
Acq: 29 Sep 2021 17:40

Tgt Ion: 75 Resp: 183718
Ion Ratio Lower Upper
75 100
53 0.3 64.2 96.2#
89 1.2 35.6 53.4#

