

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070526.D
 Acq On : 29 Sep 2021 16:43
 Operator : VA/SY
 Sample : M3975-04
 Misc : 8.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-837-R-SO-6-6.5-092821

Quant Time: Sep 30 00:46:33 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	61049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	123634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	128734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	56916	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	65351	83.368	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 166.740%#	
35) Dibromofluoromethane	7.914	113	53250	60.508	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.020%	
50) Toluene-d8	10.332	98	158129	49.489	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.980%	
62) 4-Bromofluorobenzene	12.626	95	54491	48.797	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.600%	

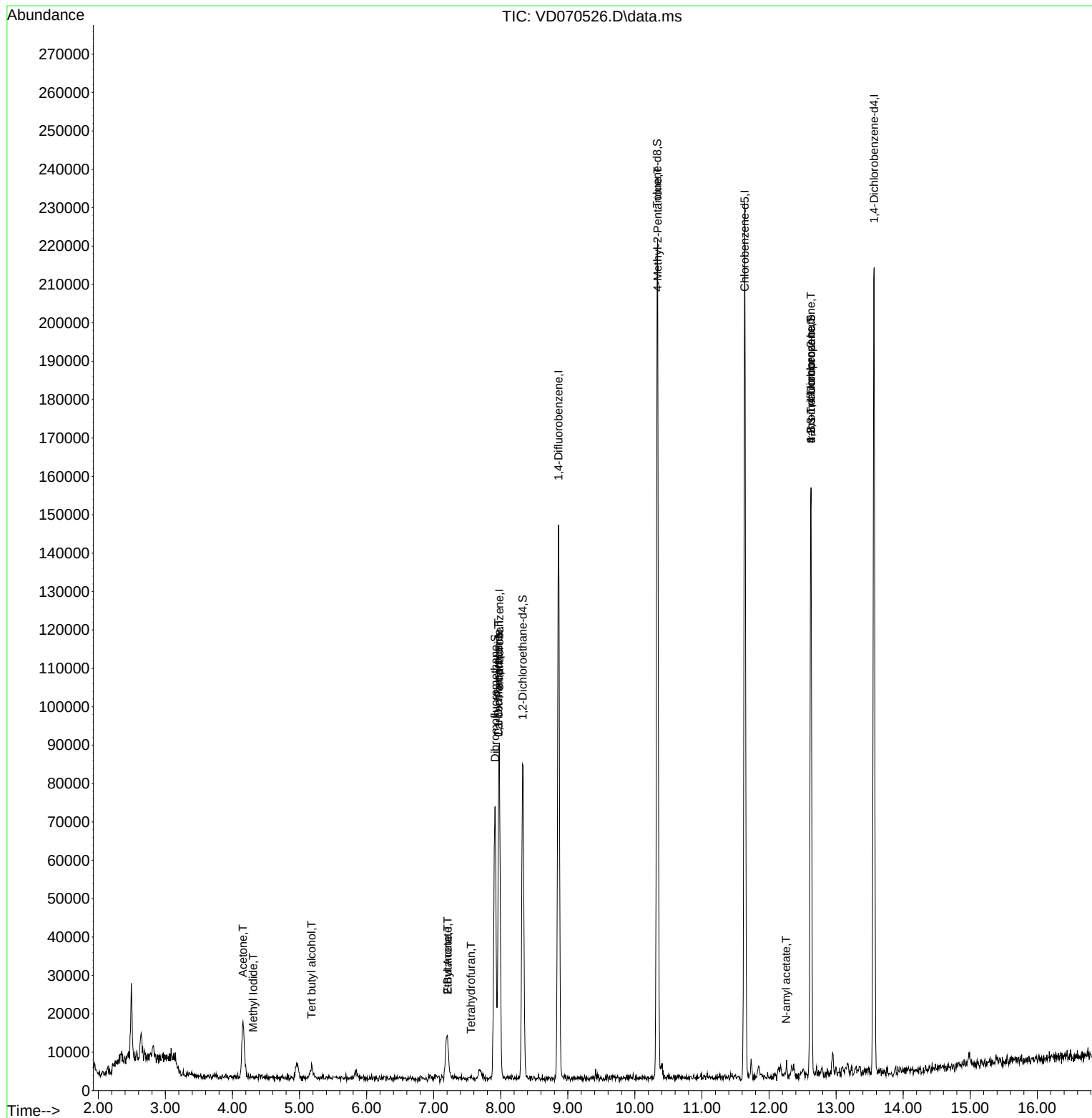
Target Compounds						Qvalue
3) Chloromethane	2.226	50	452	Below Cal	#	42
5) Bromomethane	2.779	94	1381	Below Cal	#	69
6) Chloroethane	2.844	64	156	Below Cal	#	43
10) Methyl Iodide	4.309	142	245	1.347	ug/l #	39
11) Tert butyl alcohol	5.179	59	2264	25.544	ug/l #	100
16) Acetone	4.156	43	24953	178.299	ug/l	92
18) Methyl Acetate	4.744	43	90	Below Cal	#	48
20) Methylene Chloride	4.967	84	3339	Below Cal	#	73
25) 2-Butanone	7.209	43	8549	45.889	ug/l	98
29) Tetrahydrofuran	7.556	42	133	1.112	ug/l #	63
36) 1,1-Dichloropropene	7.967	75	5532	4.186	ug/l #	48
37) Ethyl Acetate	7.209	43	8549	17.300	ug/l #	68
38) Carbon Tetrachloride	7.967	117	6566	5.024	ug/l #	12
51) 4-Methyl-2-Pentanone	10.338	43	679	1.436	ug/l #	1
74) N-amyl acetate	12.255	43	927	1.066	ug/l #	58
76) 1,2,3-Trichloropropane	12.626	75	26266	45.623	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	26266	114.314	ug/l #	17

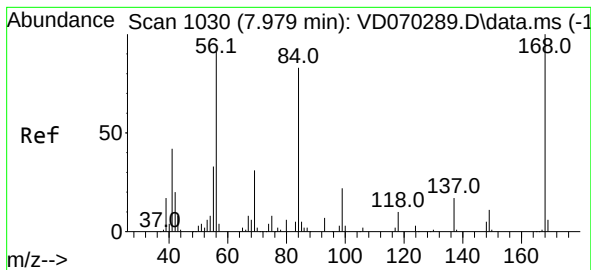
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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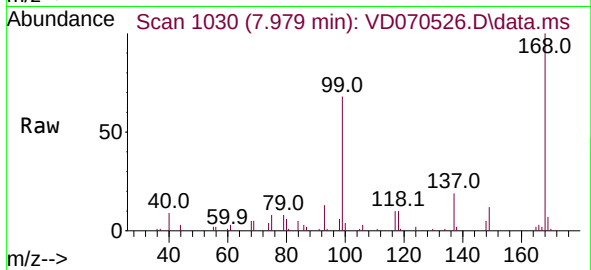
Quant Time: Sep 30 00:46:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
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QLast Update : Thu Sep 09 03:07:09 2021
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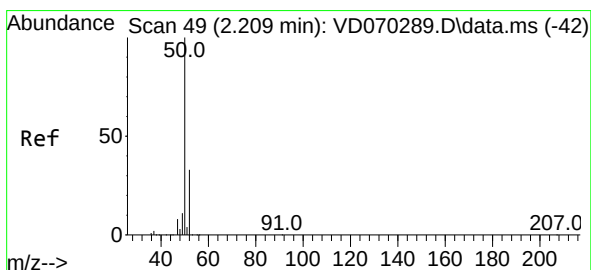
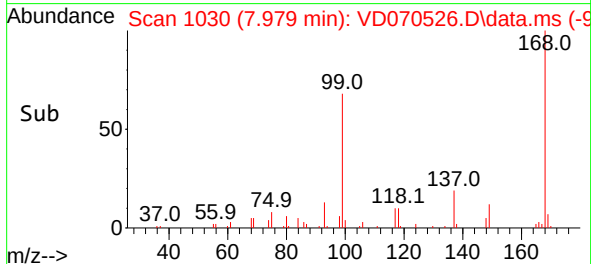
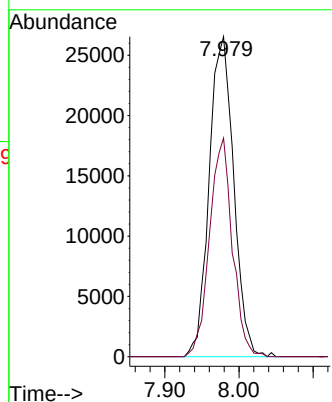


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-6-6.5-092821

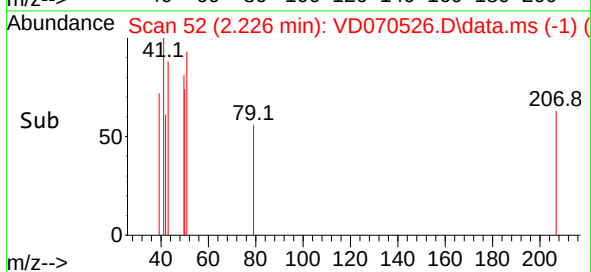
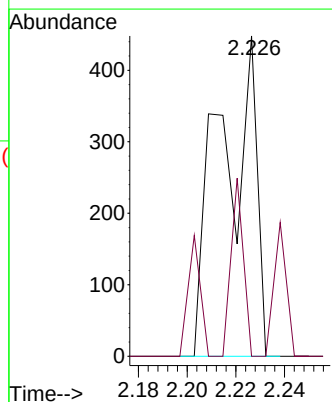
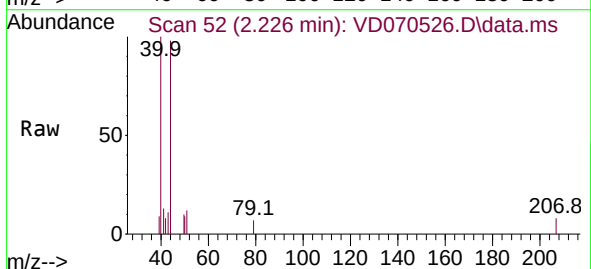


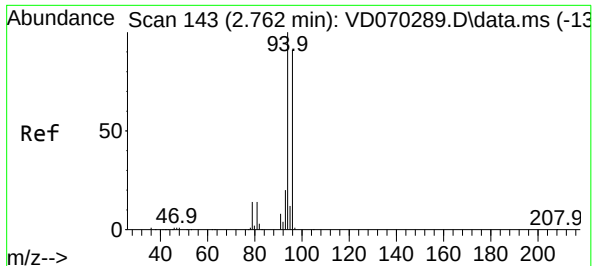
Tgt Ion:168 Resp: 61049
Ion Ratio Lower Upper
168 100
99 68.3 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.226 min Scan# 52
Delta R.T. 0.017 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Tgt Ion: 50 Resp: 452
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

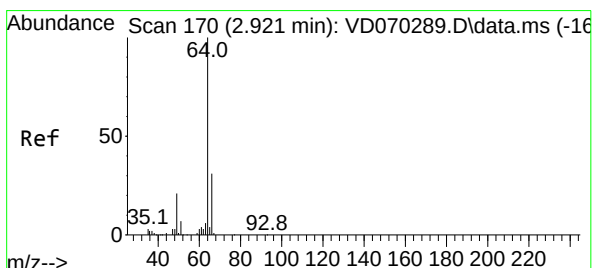
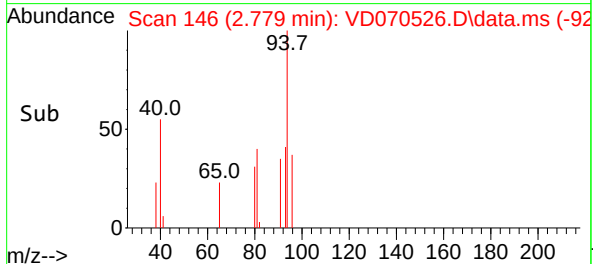
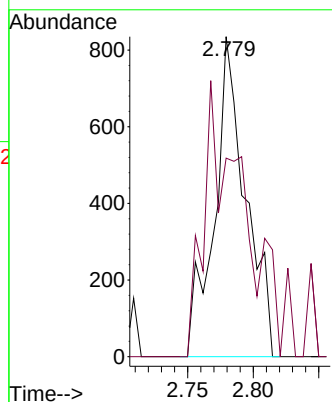
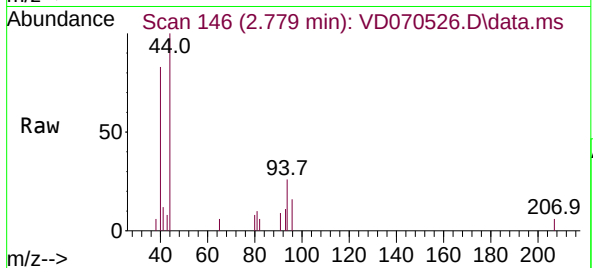




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

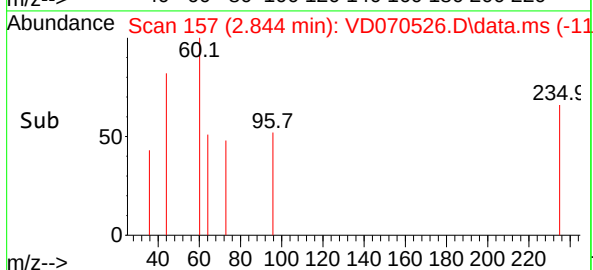
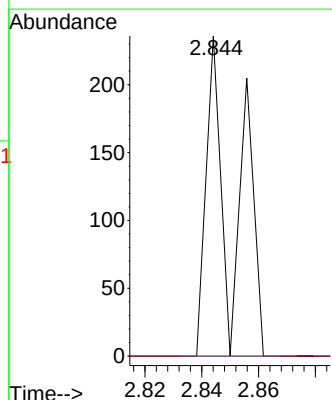
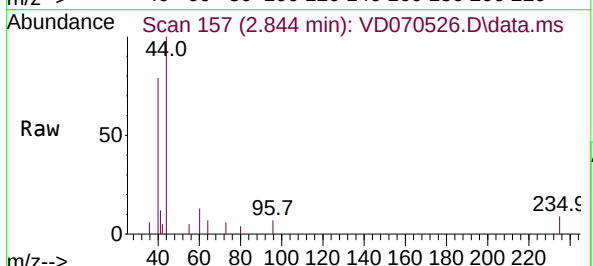
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MSVOA_D
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S-837-R-SO-6-6.5-092821

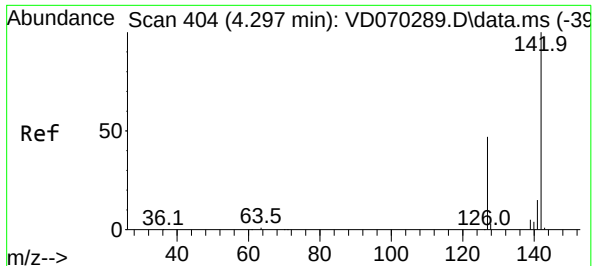
Tgt Ion: 94 Resp: 1381
Ion Ratio Lower Upper
94 100
96 62.0 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.844 min Scan# 157
Delta R.T. -0.077 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Tgt Ion: 64 Resp: 156
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

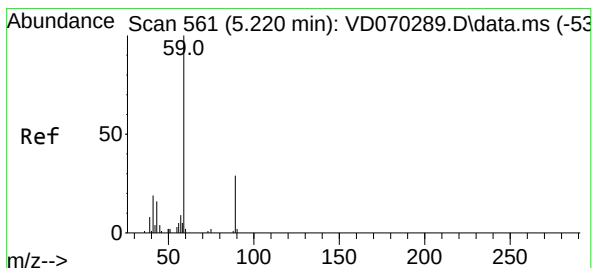
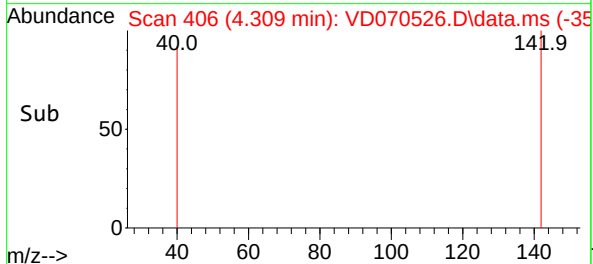
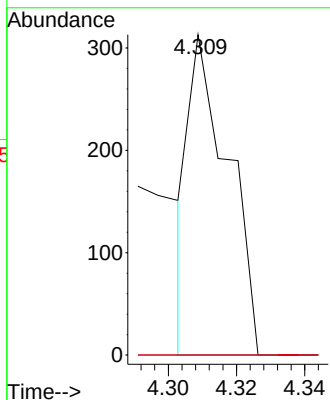
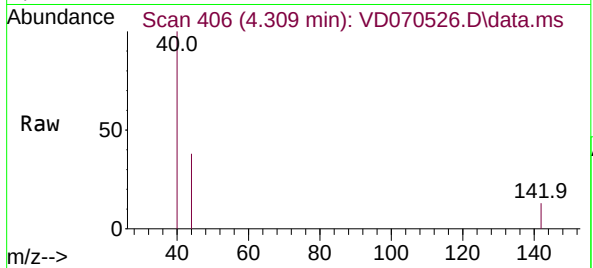




#10
Methyl Iodide
Concen: 1.347 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

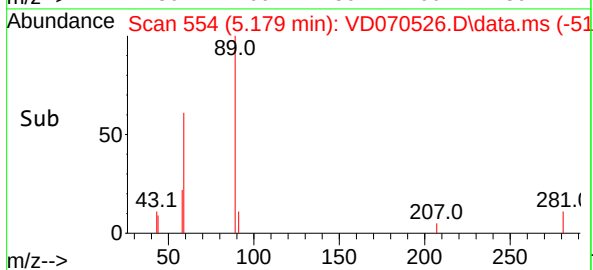
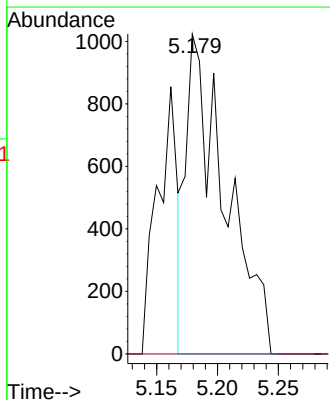
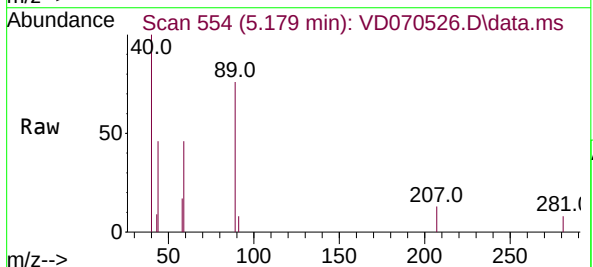
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-6-6.5-092821

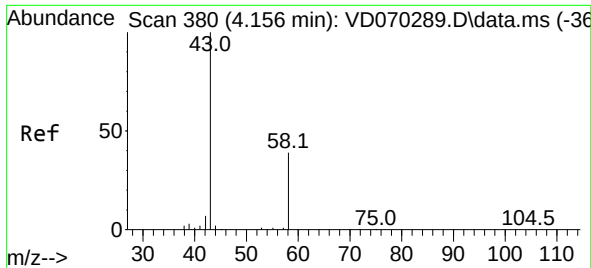
Tgt Ion:142 Resp: 245
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 25.544 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Tgt Ion: 59 Resp: 2264
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

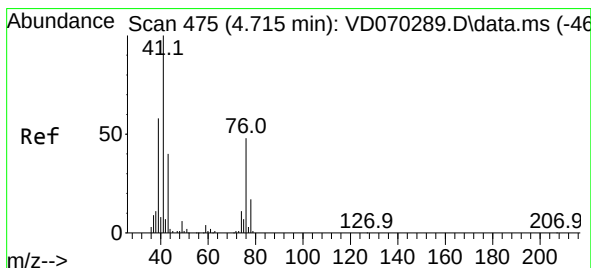
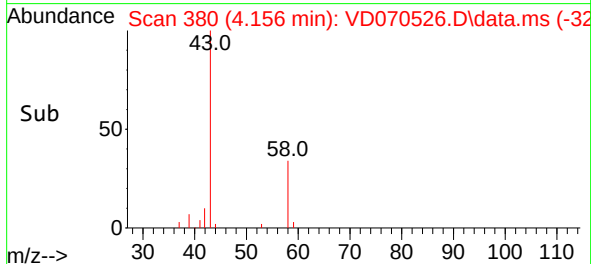
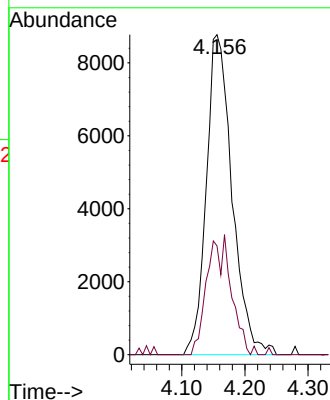
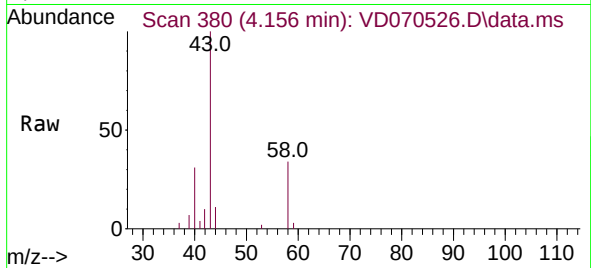




#16
Acetone
Concen: 178.299 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

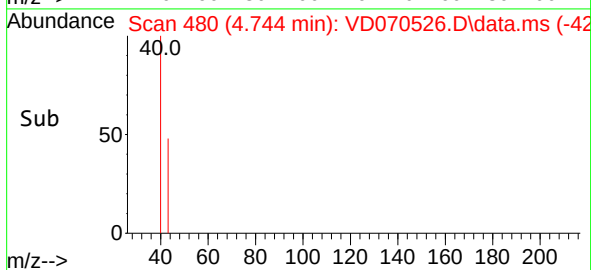
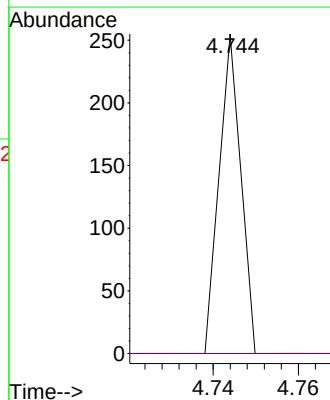
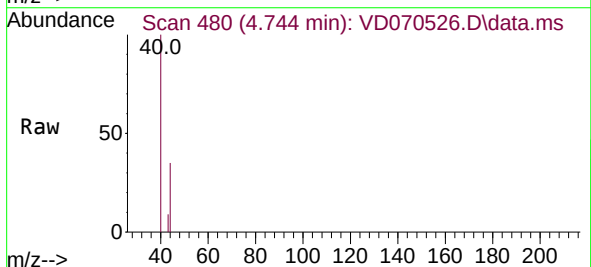
Instrument :
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ClientSampleId :
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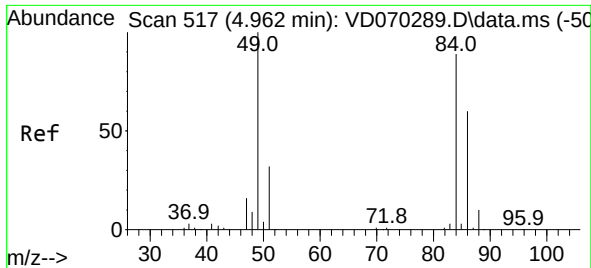
Tgt Ion: 43 Resp: 24953
Ion Ratio Lower Upper
43 100
58 34.0 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.744 min Scan# 480
Delta R.T. 0.029 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

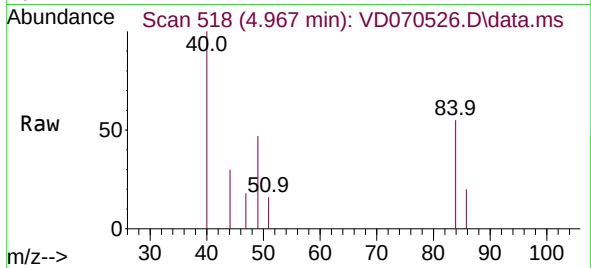
Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



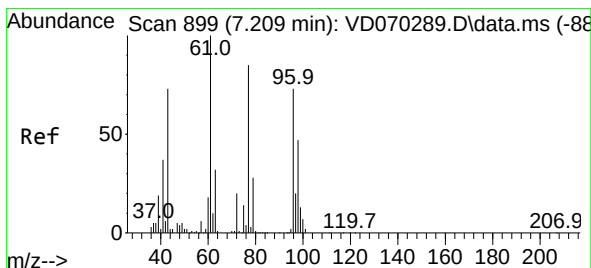
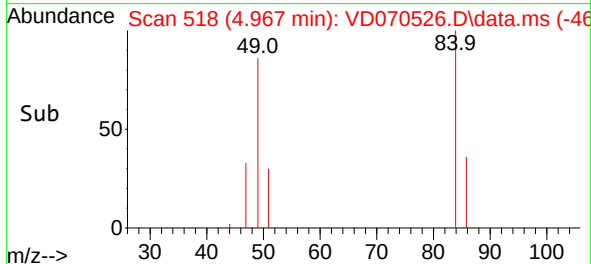
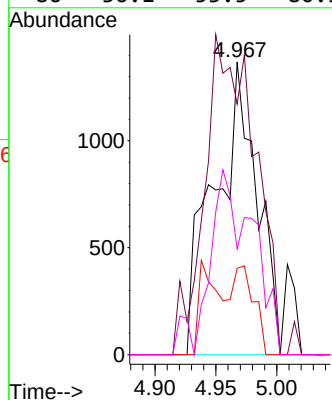


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-6-6.5-092821

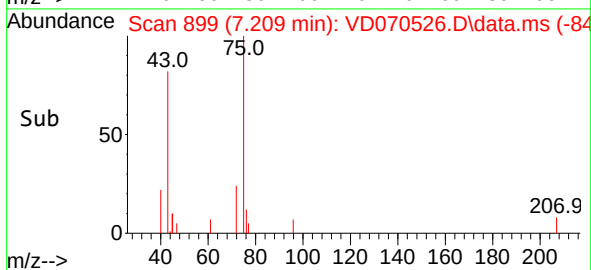
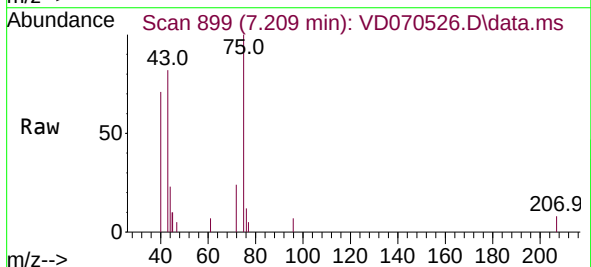
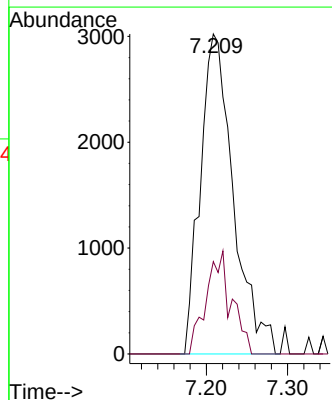


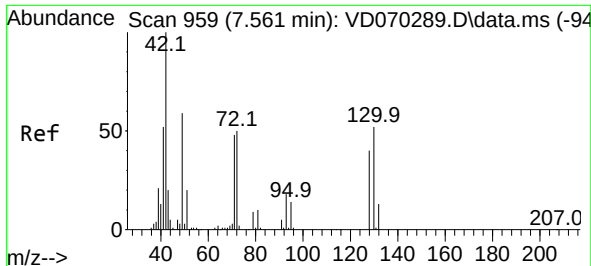
Tgt Ion:	84	Resp:	3339
Ion	Ratio	Lower	Upper
84	100		
49	85.6	89.6	134.4#
51	29.5	28.6	43.0
86	36.1	53.5	80.3#



#25
2-Butanone
Concen: 45.889 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Tgt Ion:	43	Resp:	8549
Ion	Ratio	Lower	Upper
43	100		
72	28.8	22.2	33.4





#29

Tetrahydrofuran

Concen: 1.112 ug/l

RT: 7.556 min Scan# 958

Delta R.T. -0.006 min

Lab File: VD070526.D

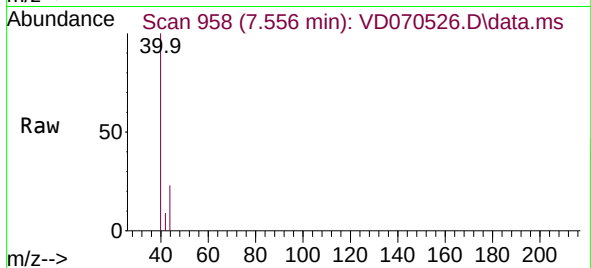
Acq: 29 Sep 2021 16:43

Instrument :

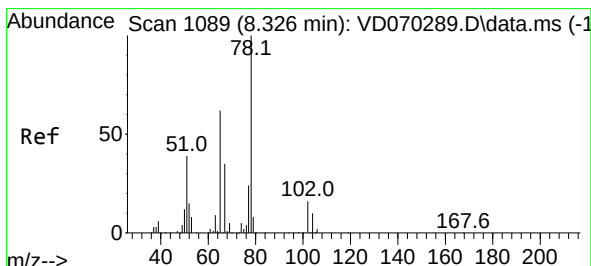
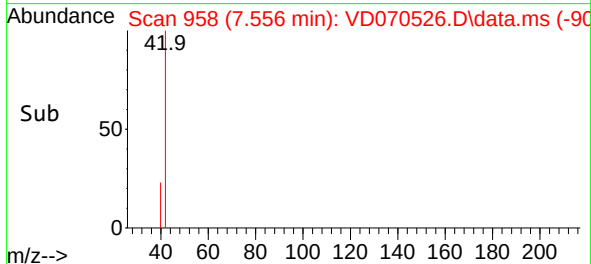
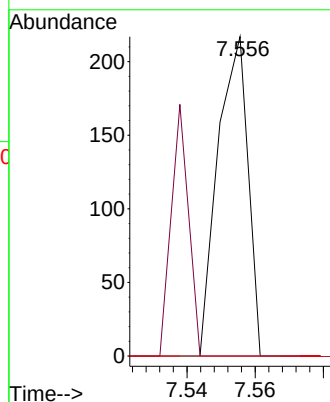
MSVOA_D

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Tgt Ion:	42	Resp:	133
Ion	Ratio	Lower	Upper
42	100		
72	45.1	38.8	58.2
71	0.0	37.8	56.6#



#33

1,2-Dichloroethane-d4

Concen: 83.368 ug/l

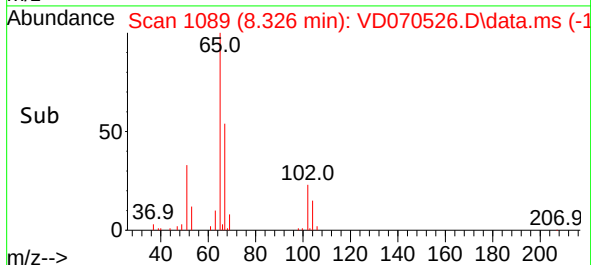
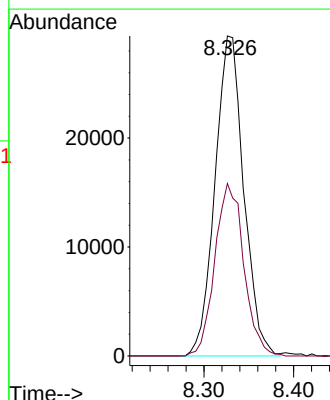
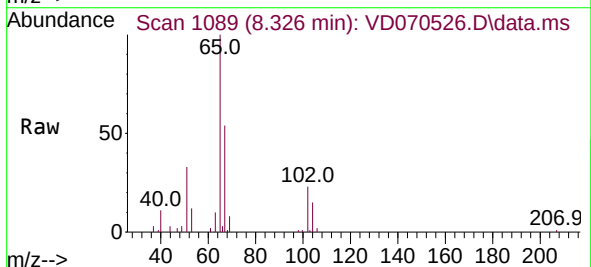
RT: 8.326 min Scan# 1089

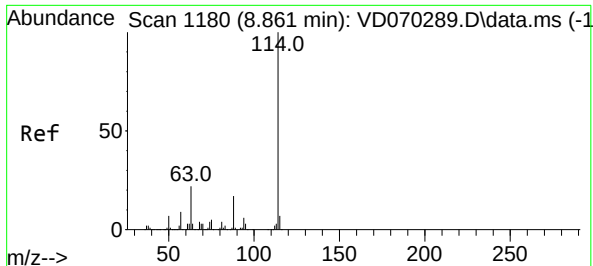
Delta R.T. -0.000 min

Lab File: VD070526.D

Acq: 29 Sep 2021 16:43

Tgt Ion:	65	Resp:	65351
Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	111.4



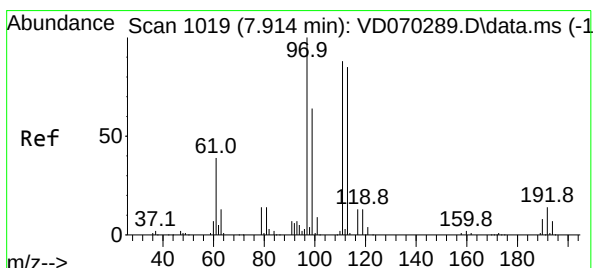
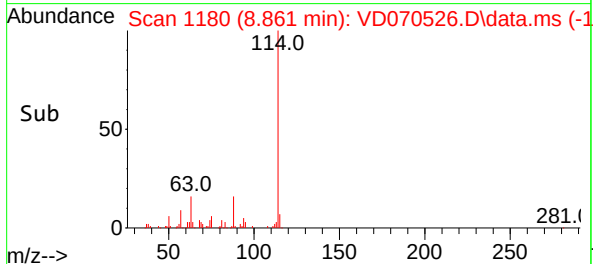
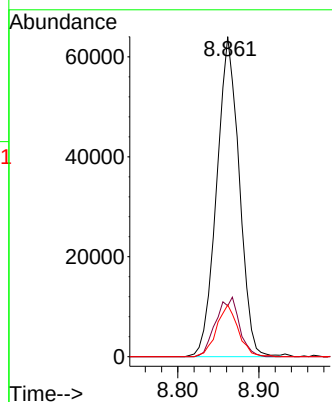
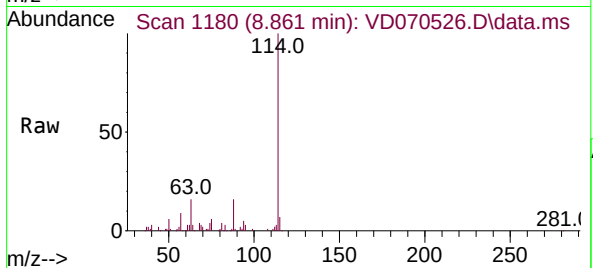


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-6-6.5-092821

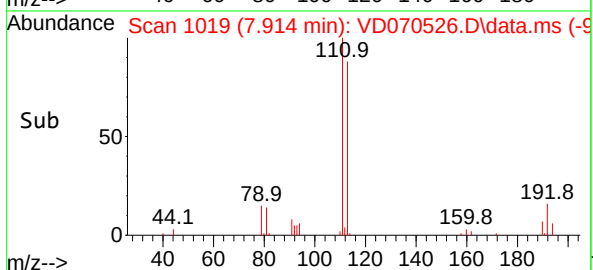
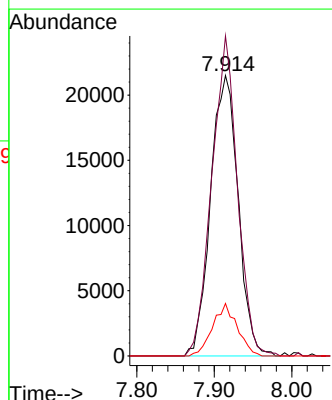
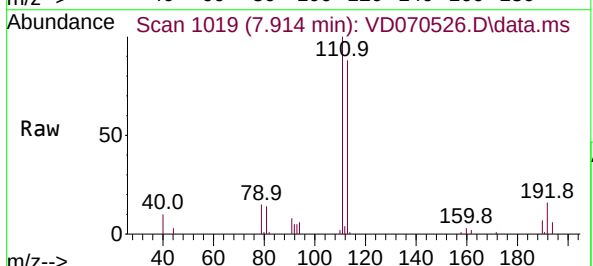
Tgt Ion:	114	Resp:	123634
Ion Ratio	Lower	Upper	
114	100		
63	15.9	0.0	43.4
88	16.2	0.0	33.4

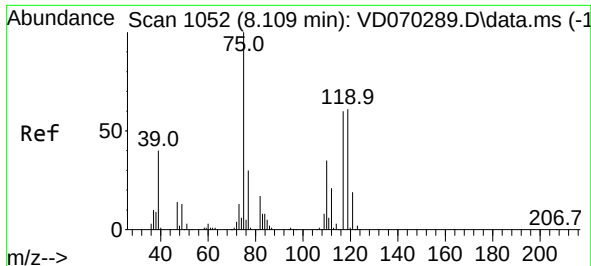


#35

Dibromofluoromethane
Concen: 60.508 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

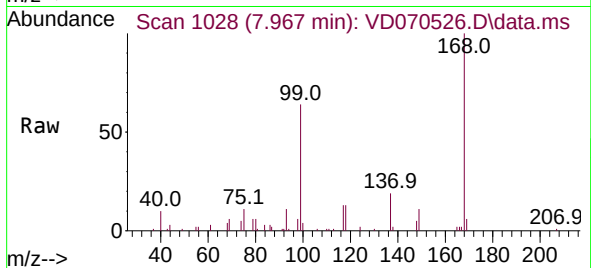
Tgt Ion:	113	Resp:	53250
Ion Ratio	Lower	Upper	
113	100		
111	106.0	81.4	122.2
192	16.7	13.0	19.6



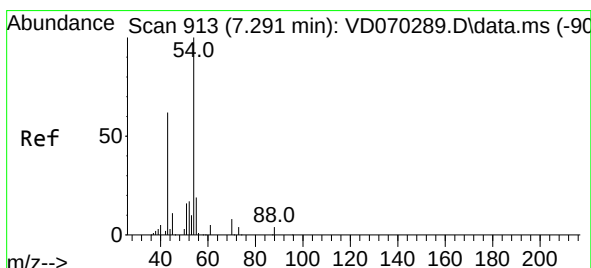
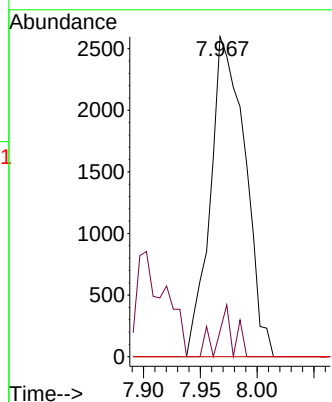
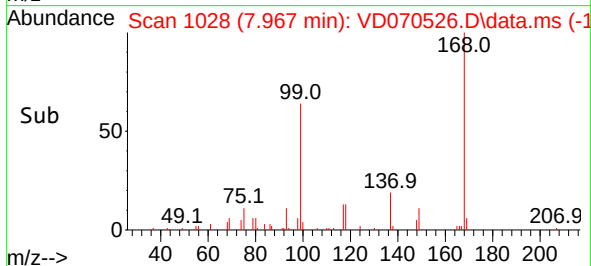


#36
1,1-Dichloropropene
Concen: 4.186 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

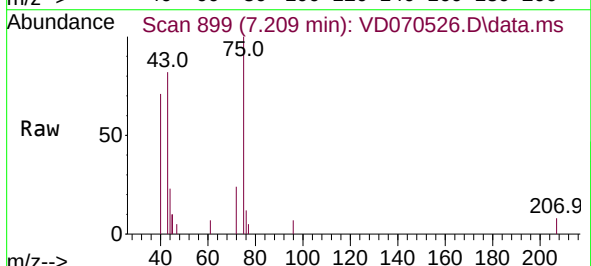
Instrument :
MSVOA_D
ClientSampleId :
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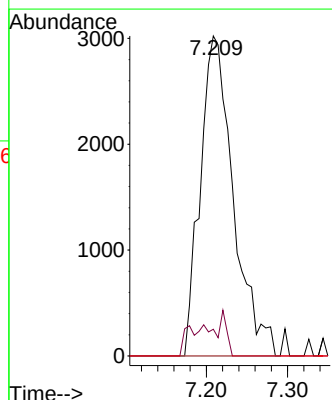
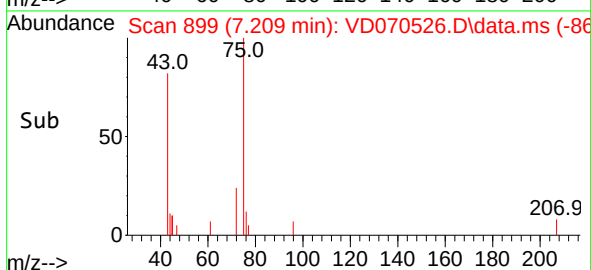
Tgt Ion: 75 Resp: 5532
Ion Ratio Lower Upper
75 100
110 7.5 17.9 53.7#
77 0.0 25.3 37.9#

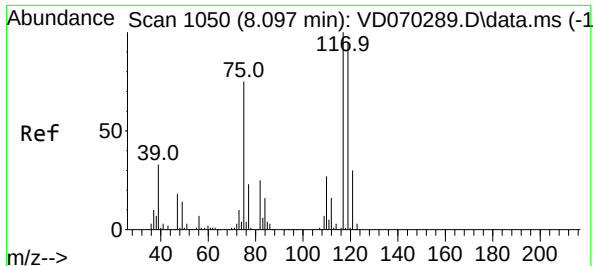


#37
Ethyl Acetate
Concen: 17.300 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43



Tgt Ion: 43 Resp: 8549
Ion Ratio Lower Upper
43 100
61 2.6 13.0 19.6#
70 0.0 9.8 14.6#

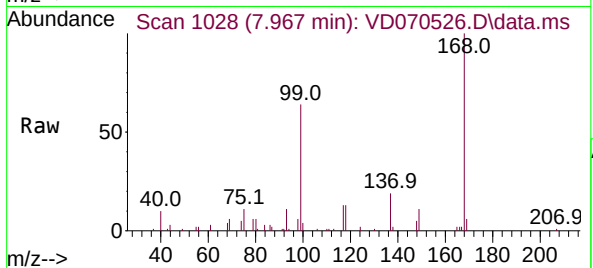




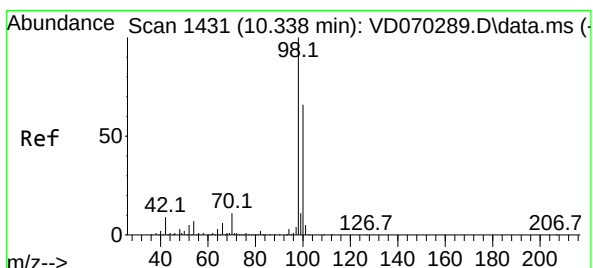
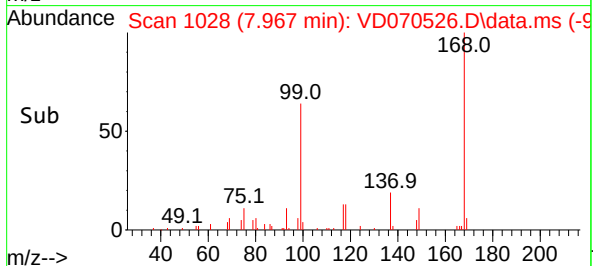
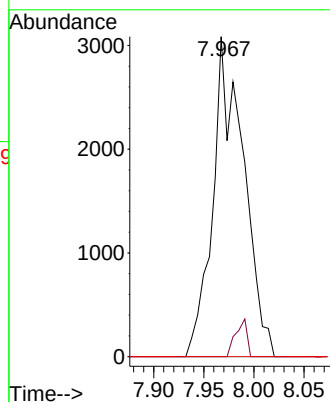
#38

Carbon Tetrachloride
Concen: 5.024 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.129 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-6-6.5-092821



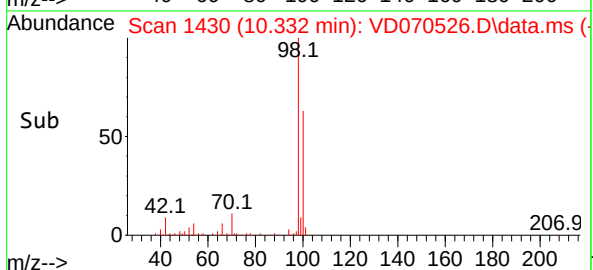
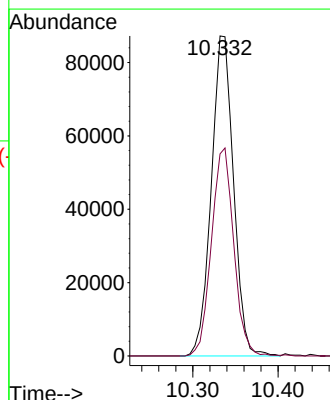
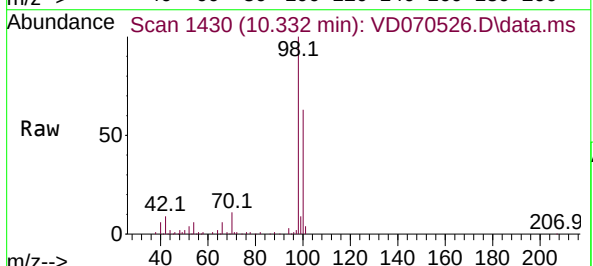
Tgt Ion:	117	Resp:	6566
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.1	114.1#
121	0.0	23.8	35.6#

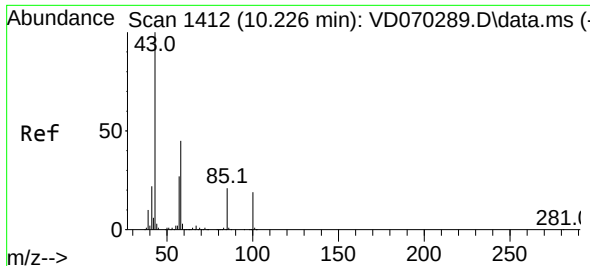


#50

Toluene-d8
Concen: 49.489 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Tgt Ion:	98	Resp:	158129
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

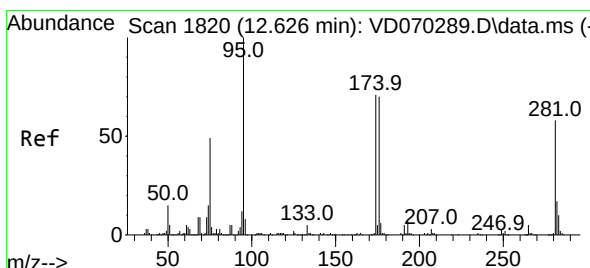
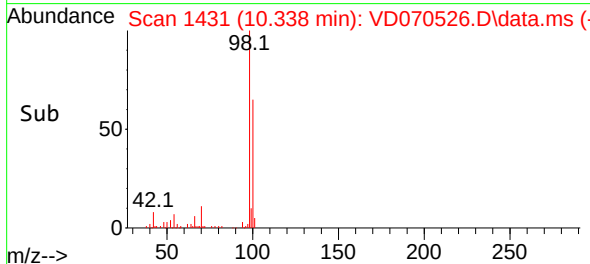
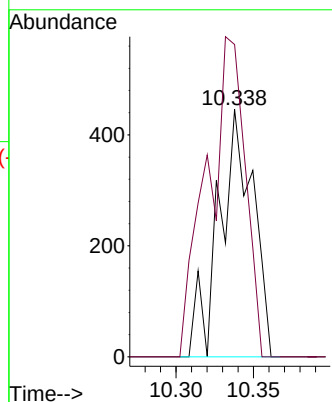
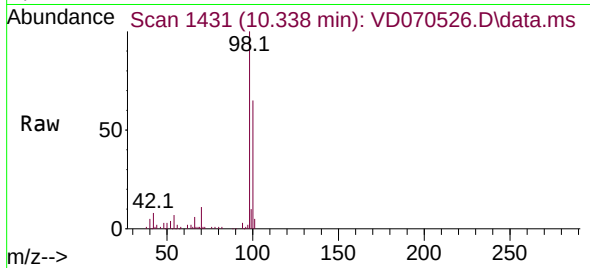




#51
4-Methyl-2-Pentanone
Concen: 1.436 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

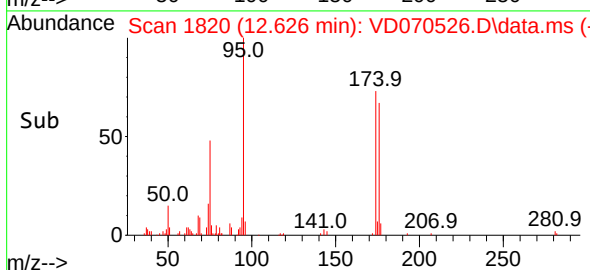
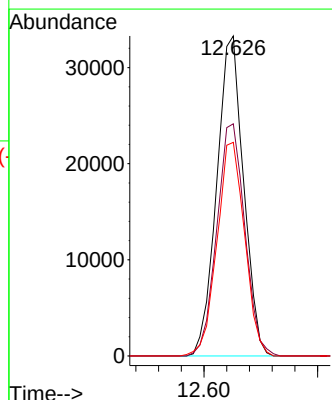
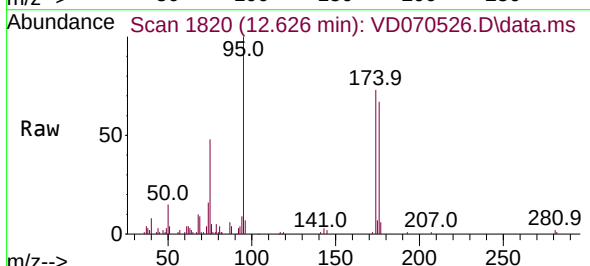
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-6-6.5-092821

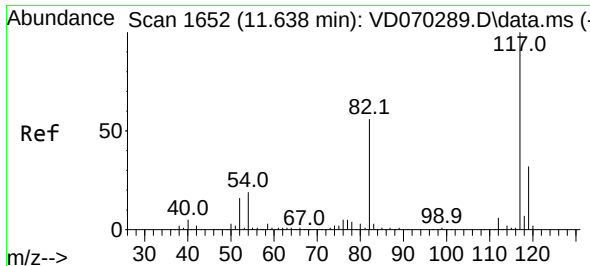
Tgt Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
58 144.0 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 48.797 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Tgt Ion: 95 Resp: 54491
Ion Ratio Lower Upper
95 100
174 75.8 0.0 140.6
176 68.9 0.0 137.4

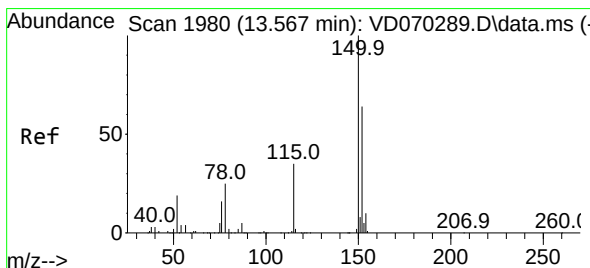
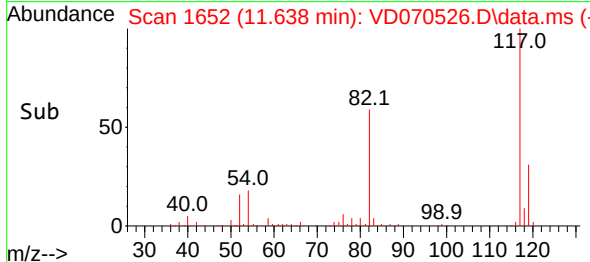
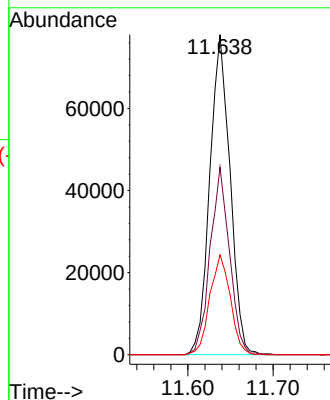
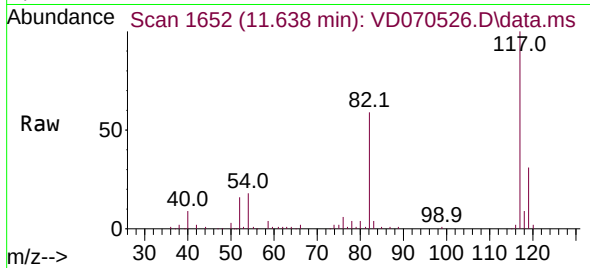




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

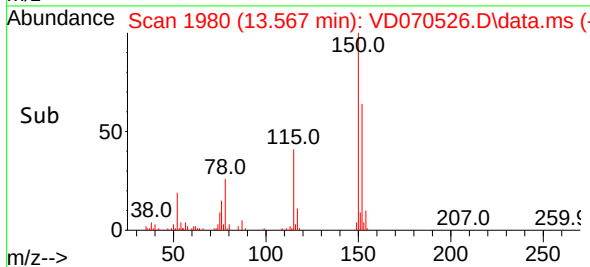
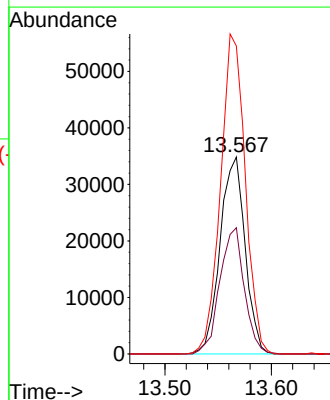
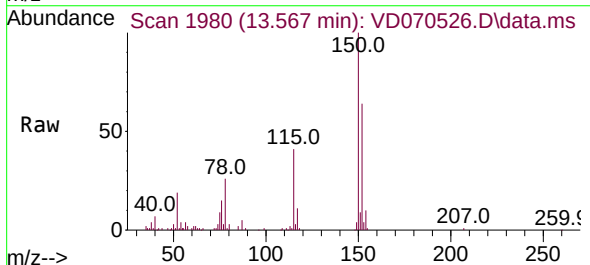
Instrument :
MSVOA_D
ClientSampleId :
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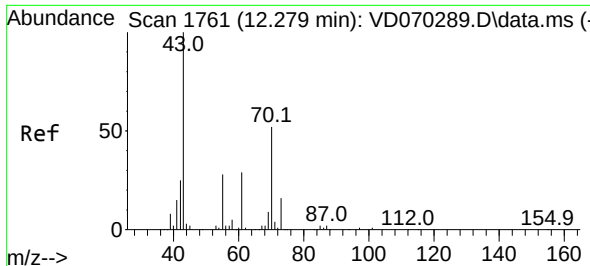
Tgt Ion:	117	Resp:	128734
Ion Ratio	Lower	Upper	
117	100		
82	58.6	45.0	67.4
119	31.2	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

Tgt Ion:	152	Resp:	56916
Ion Ratio	Lower	Upper	
152	100		
115	62.8	32.1	96.3
150	160.3	0.0	350.6

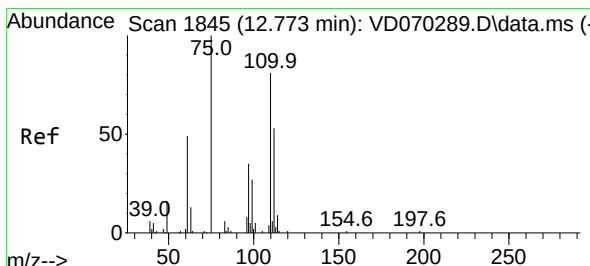
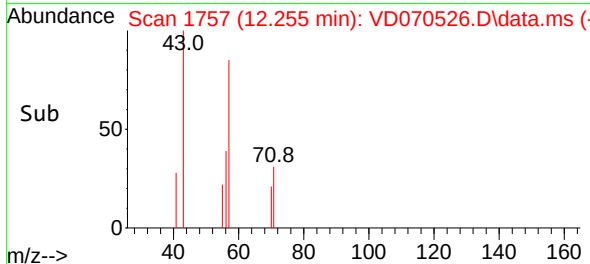
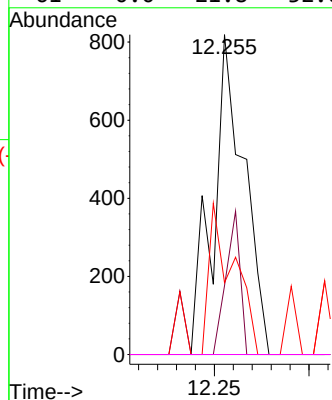
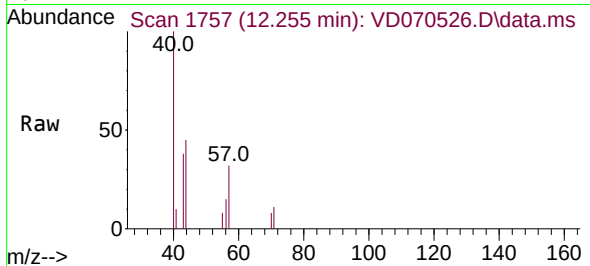




#74
N-amy1 acetate
Concen: 1.066 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

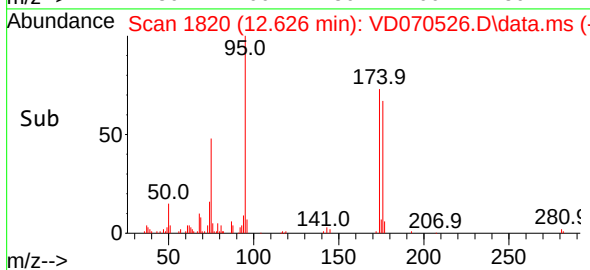
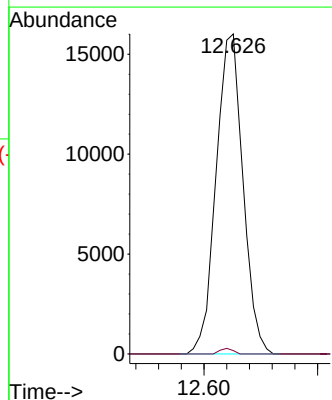
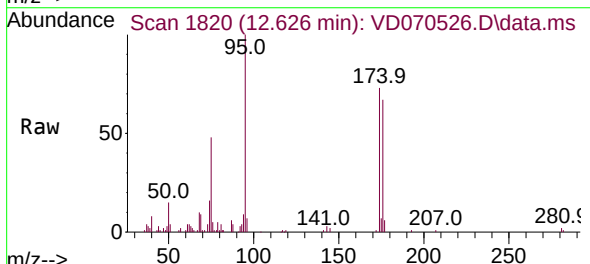
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-6-6.5-092821

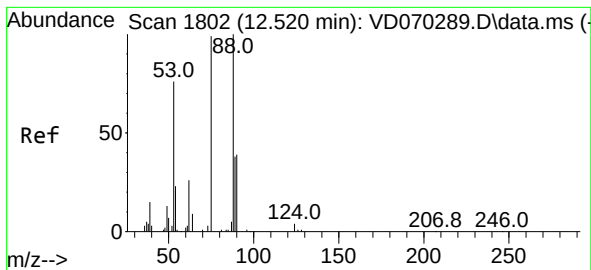
Tgt Ion:	43	Resp:	927
Ion	Ratio	Lower	Upper
43	100		
70	20.7	41.4	62.0#
55	43.8	22.8	34.2#
61	0.0	21.8	32.6#



#76
1,2,3-Trichloropropane
Concen: 45.623 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070526.D
Acq: 29 Sep 2021 16:43

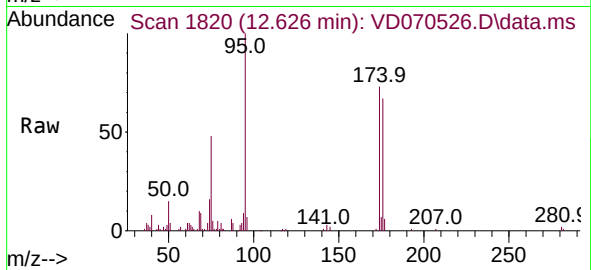
Tgt Ion:	75	Resp:	26266
Ion	Ratio	Lower	Upper
75	100		
77	0.8	174.9	524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.314 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070526.D
 Acq: 29 Sep 2021 16:43

Instrument :
 MSVOA_D
 ClientSampleId :
 S-837-R-SO-6-6.5-092821



Tgt Ion:	75	Resp:	26266
Ion	Ratio	Lower	Upper
75	100		
53	0.2	64.2	96.2#
89	0.0	35.6	53.4#

