

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044835.D
 Acq On : 25 Sep 2021 14:36
 Operator : SY/MD
 Sample : M3784-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Sep 27 01:31:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

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

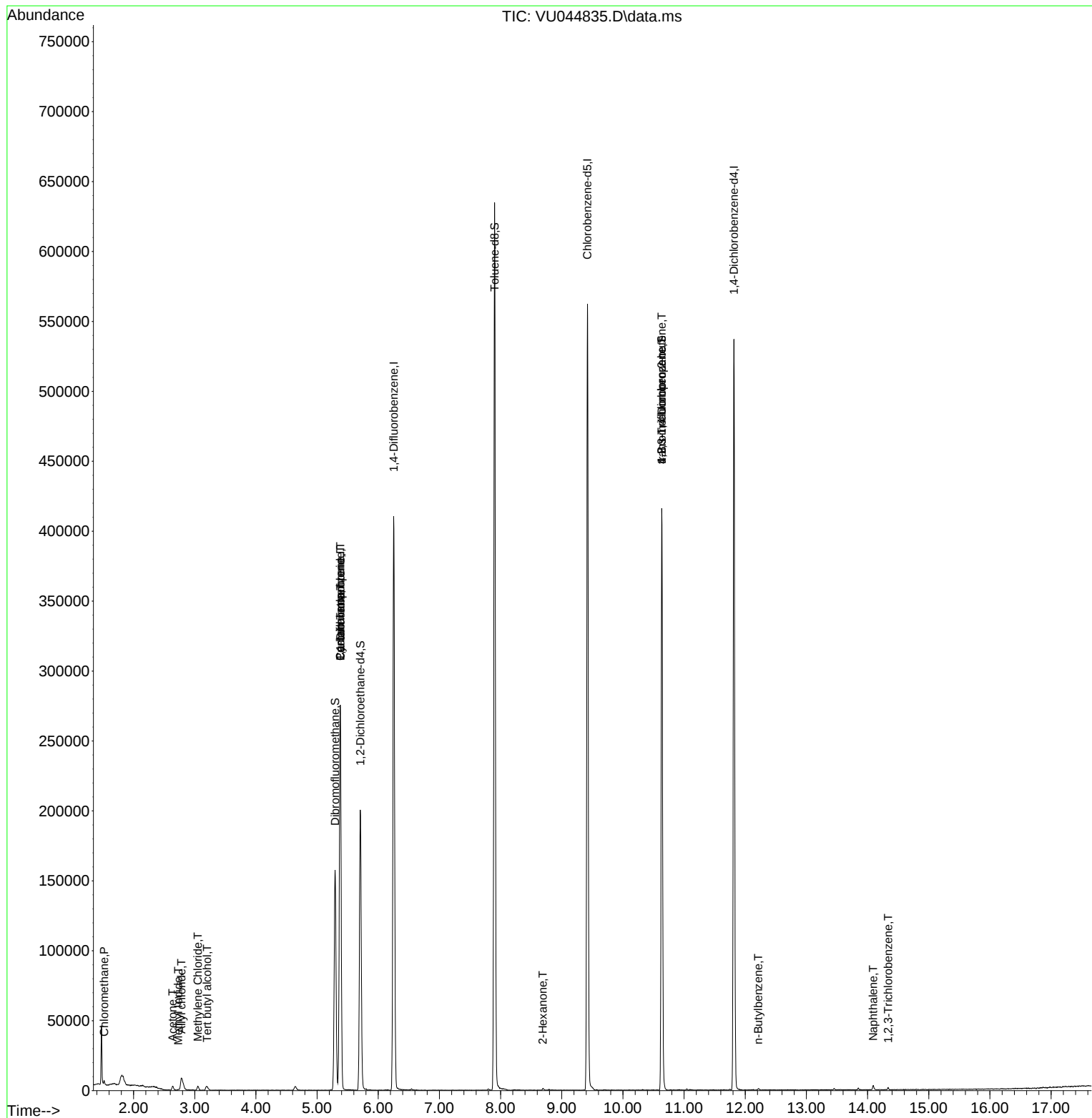
Internal Standards						
1) Pentafluorobenzene	5.378	168	176952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	314457	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	289208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	130581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	149436	48.388	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.780%	
35) Dibromofluoromethane	5.295	113	102162	47.358	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.720%	
50) Toluene-d8	7.902	98	400086	49.106	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.220%	
62) 4-Bromofluorobenzene	10.635	95	136613	45.145	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1754	0.545	ug/l	96
5) Bromomethane	1.858	94	750	Below Cal		98
6) Chloroethane	1.951	64	101	Below Cal	#	42
10) Methyl Iodide	2.732	142	511	0.218	ug/l #	76
11) Tert butyl alcohol	3.202	59	2487	2.759	ug/l #	72
14) Allyl chloride	2.780	41	1237	0.299	ug/l #	65
16) Acetone	2.639	43	3539	2.032	ug/l	96
20) Methylene Chloride	3.051	84	1479	0.524	ug/l	92
31) Cyclohexane	5.378	56	4709	1.062	ug/l #	3
36) 1,1-Dichloropropene	5.378	75	17324	5.192	ug/l #	49
38) Carbon Tetrachloride	5.378	117	18847	6.319	ug/l #	16
59) 2-Hexanone	8.690	43	1105	0.282	ug/l	89
76) 1,2,3-Trichloropropane	10.635	75	74515	18.845	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	74515	61.046	ug/l #	9
89) n-Butylbenzene	12.211	91	560	1.342	ug/l #	83
95) Naphthalene	14.092	128	3296	1.266	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.336	180	584	0.228	ug/l	94

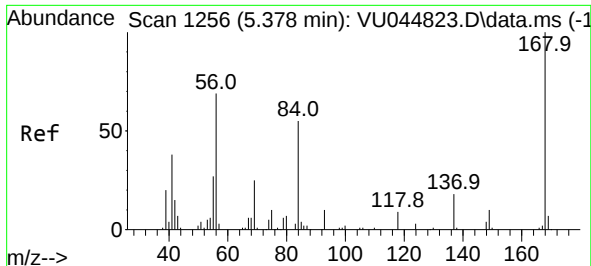
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

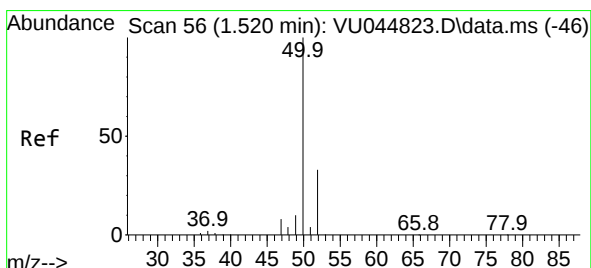
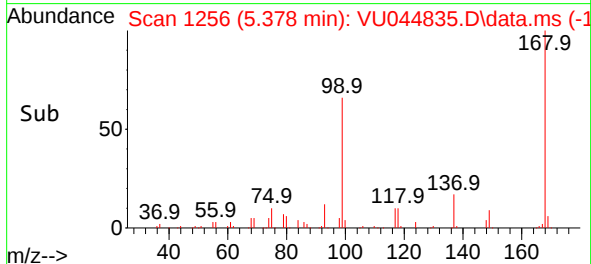
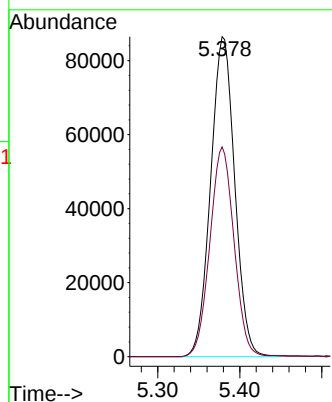
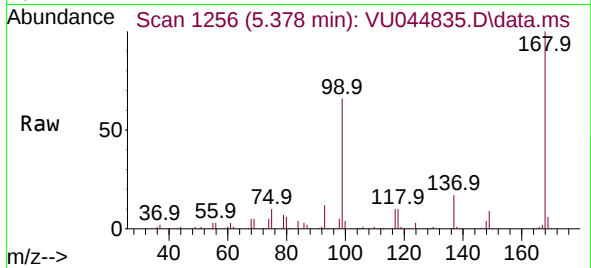




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

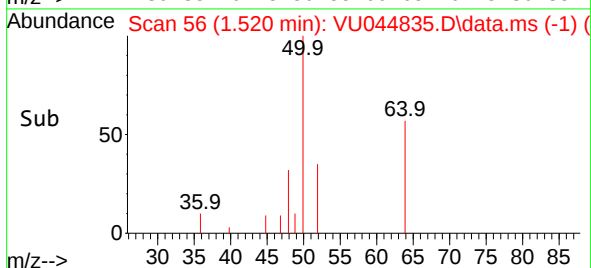
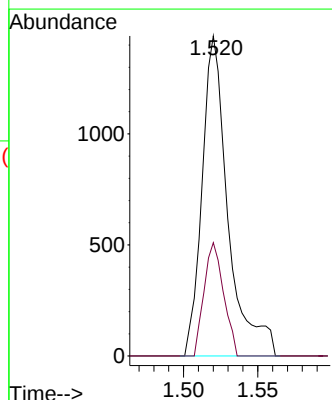
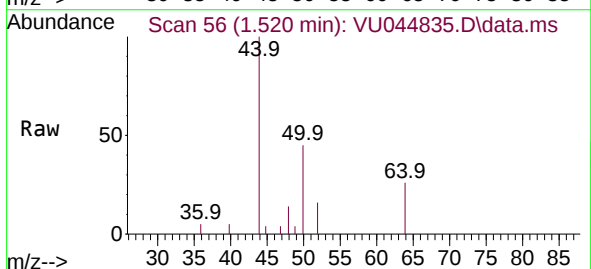
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

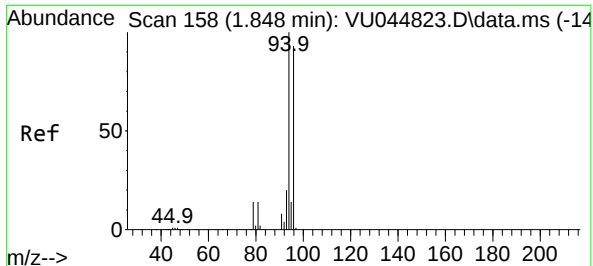
Tgt Ion:168 Resp: 176952
Ion Ratio Lower Upper
168 100
99 65.6 51.4 77.0



#3
Chloromethane
Concen: 0.545 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Tgt Ion: 50 Resp: 1754
Ion Ratio Lower Upper
50 100
52 35.4 26.3 39.5

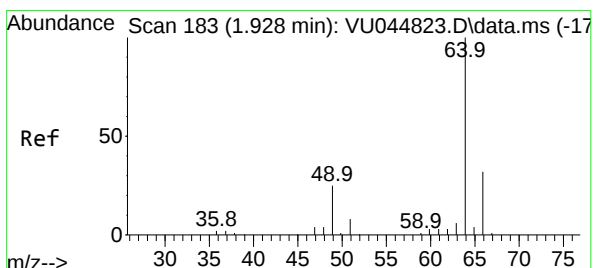
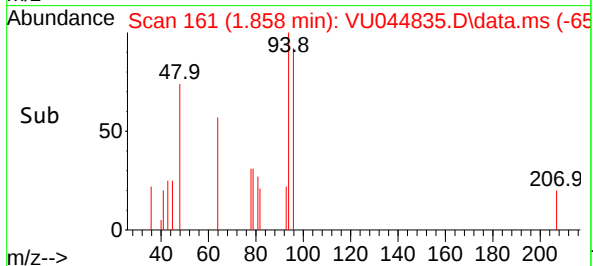
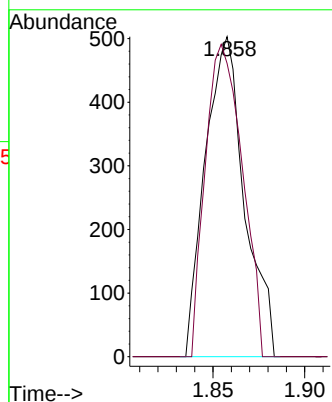
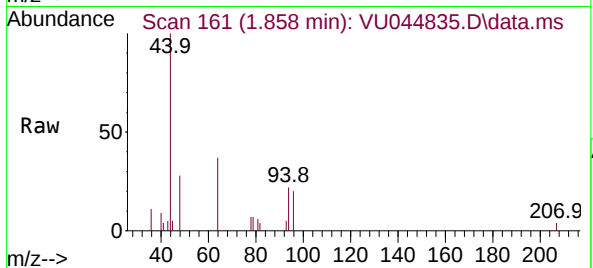




#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.010 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

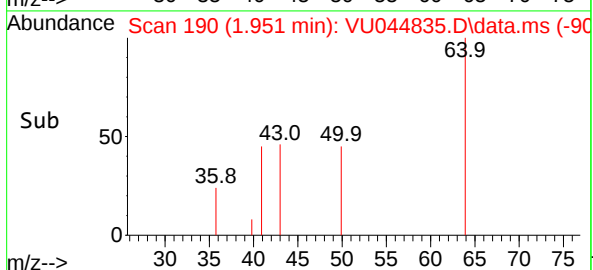
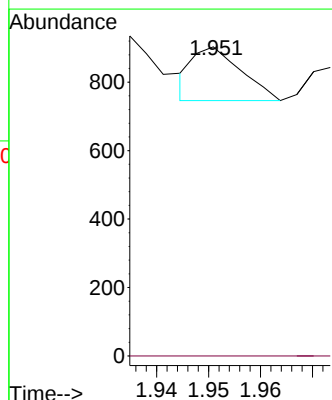
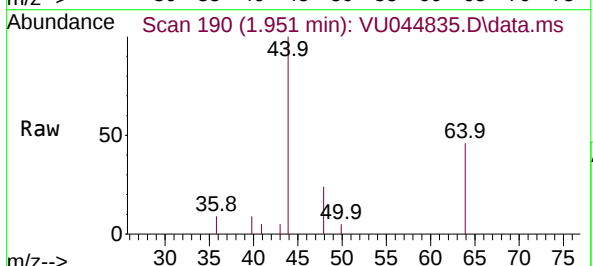
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

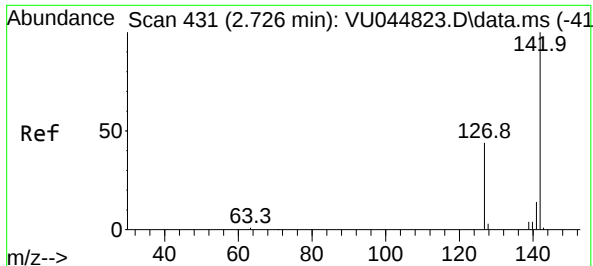
Tgt Ion: 94 Resp: 750
Ion Ratio Lower Upper
94 100
96 91.7 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.951 min Scan# 190
Delta R.T. 0.023 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Tgt Ion: 64 Resp: 101
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

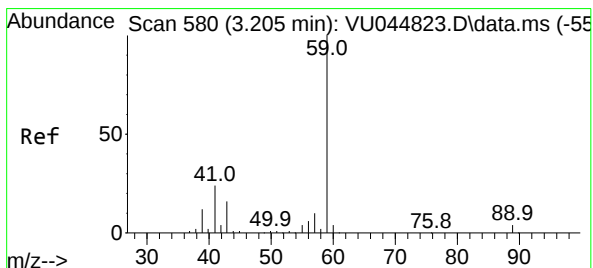
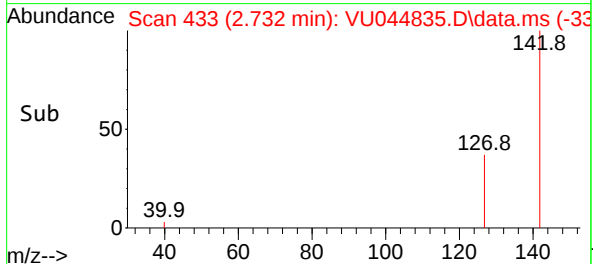
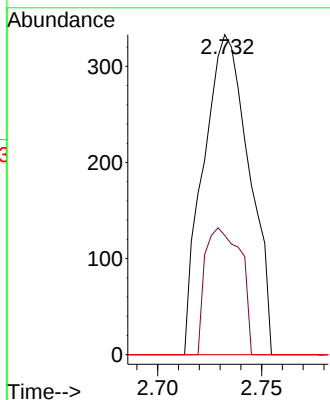
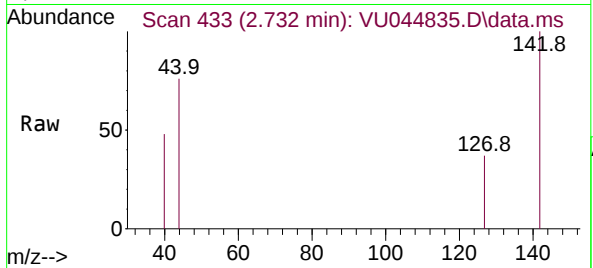




#10
Methyl Iodide
Concen: 0.218 ug/l
RT: 2.732 min Scan# 433
Delta R.T. 0.006 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

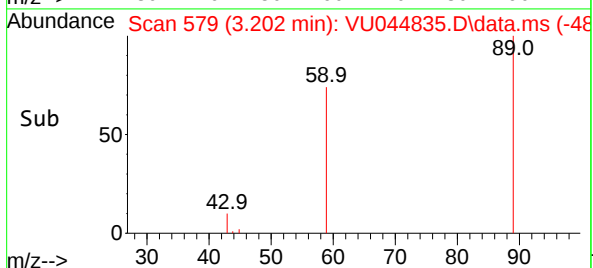
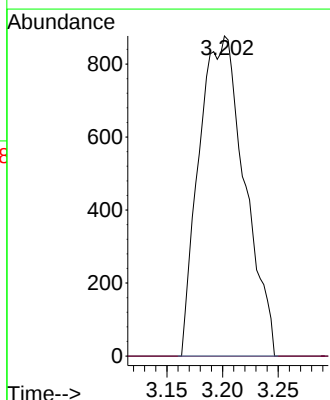
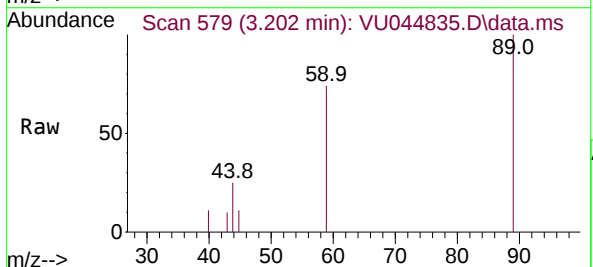
Instrument :
MSVOA_U
ClientSampleId :
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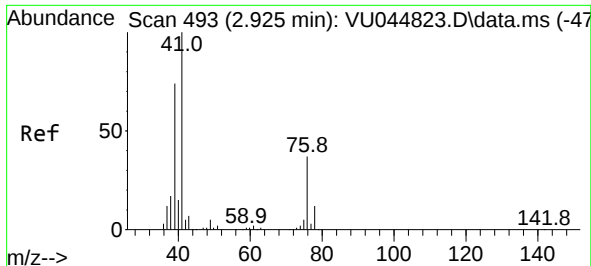
Tgt Ion:142 Resp: 511
Ion Ratio Lower Upper
142 100
127 30.7 35.6 53.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.759 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.003 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Tgt Ion: 59 Resp: 2487
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

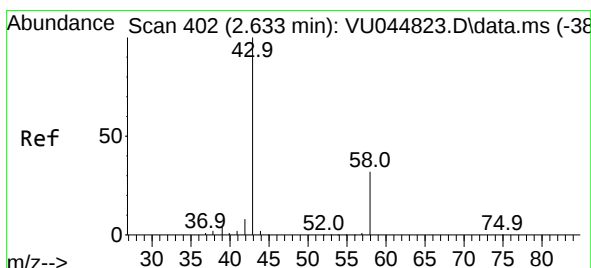
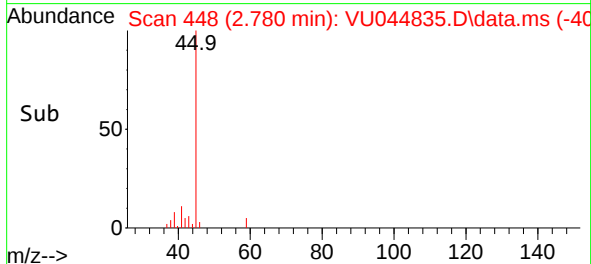
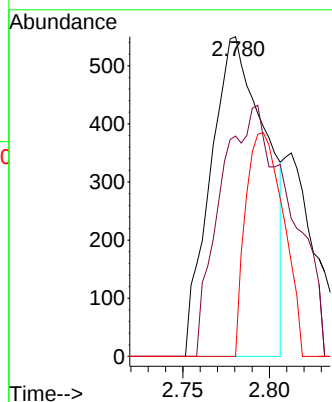
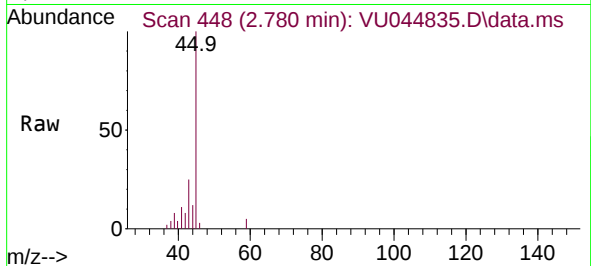




#14
Allyl chloride
Concen: 0.299 ug/l
RT: 2.780 min Scan# 448
Delta R.T. -0.145 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

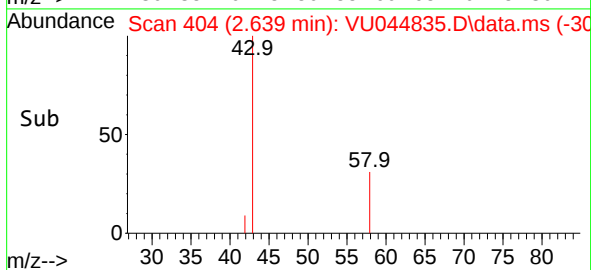
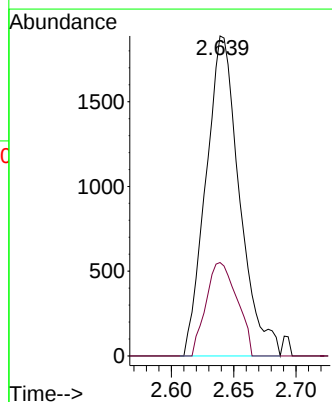
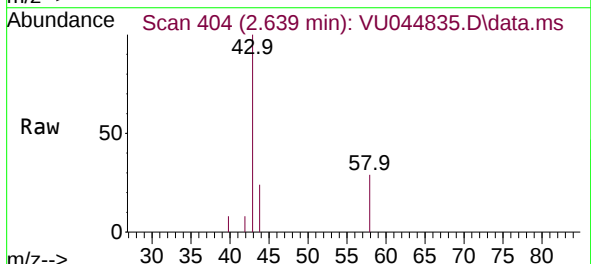
Instrument :
MSVOA_U
ClientSampleId :
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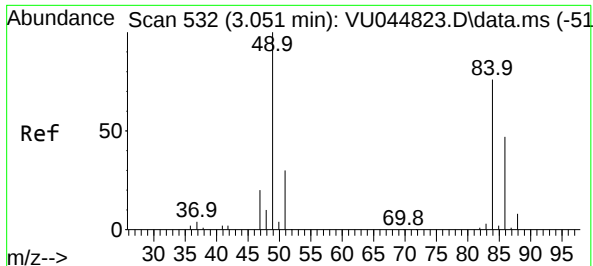
Tgt Ion: 41 Resp: 1237
Ion Ratio Lower Upper
41 100
39 97.7 53.0 79.6#
76 47.0 25.7 38.5#



#16
Acetone
Concen: 2.032 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.006 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Tgt Ion: 43 Resp: 3539
Ion Ratio Lower Upper
43 100
58 29.2 25.2 37.8



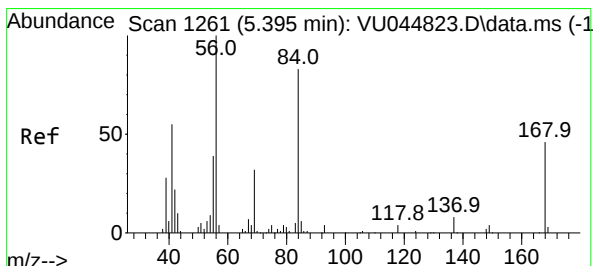
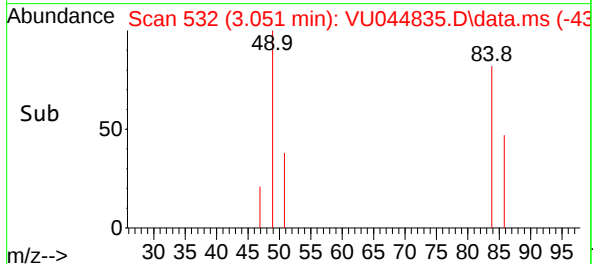
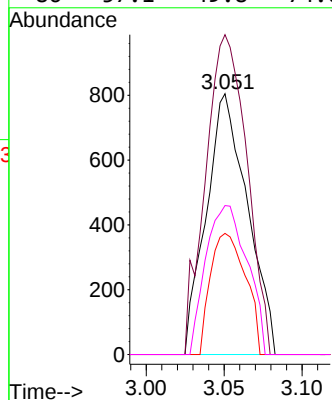
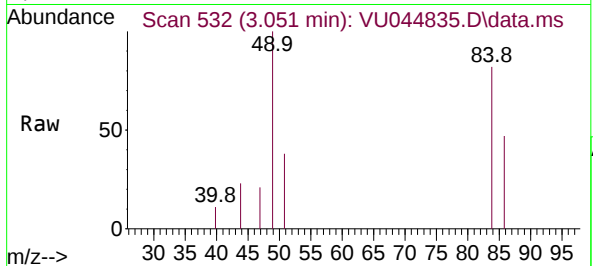


#20
Methylene Chloride
Concen: 0.524 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 84 Resp: 1479

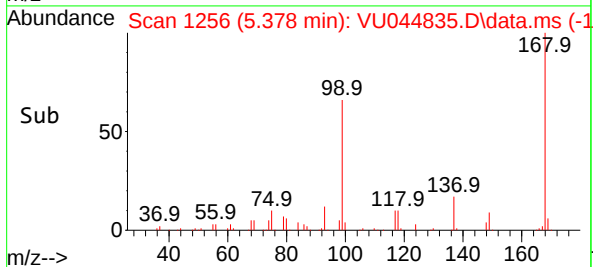
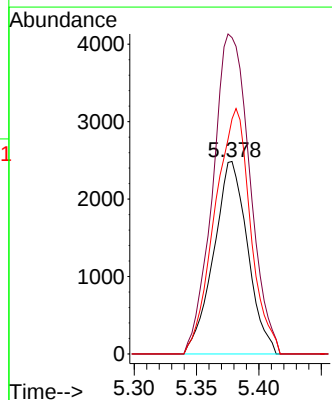
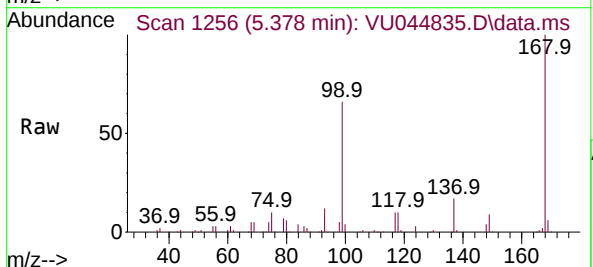
Ion	Ratio	Lower	Upper
84	100		
49	122.6	104.9	157.3
51	46.5	31.8	47.8
86	57.1	49.8	74.6

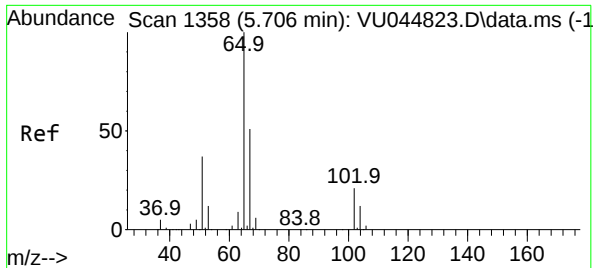


#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Tgt Ion: 56 Resp: 4709

Ion	Ratio	Lower	Upper
56	100		
69	164.3	25.2	37.8#
84	122.0	66.4	99.6#

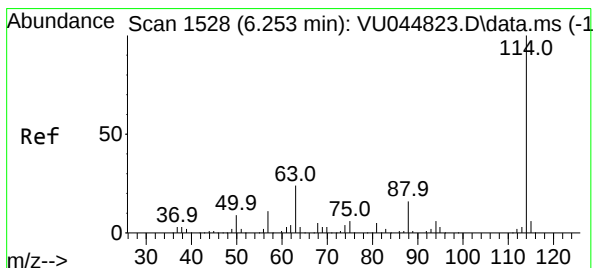
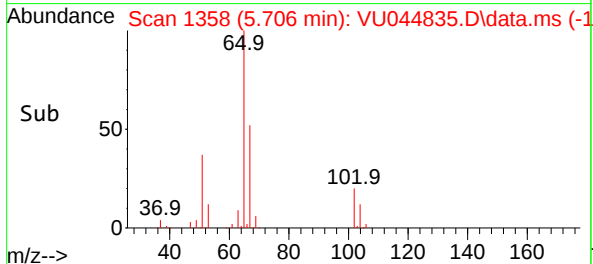
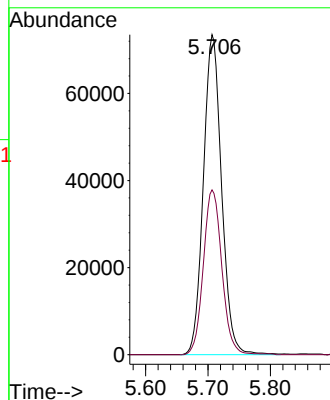
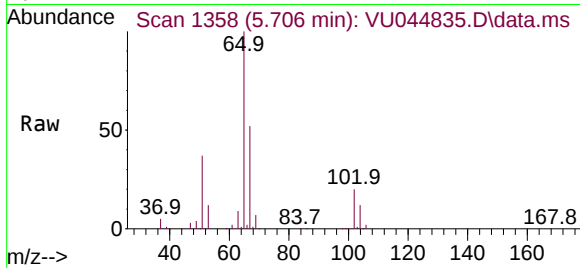




#33
 1,2-Dichloroethane-d4
 Concen: 48.388 ug/l
 RT: 5.706 min Scan# 1358
 Delta R.T. -0.000 min
 Lab File: VU044835.D
 Acq: 25 Sep 2021 14:36

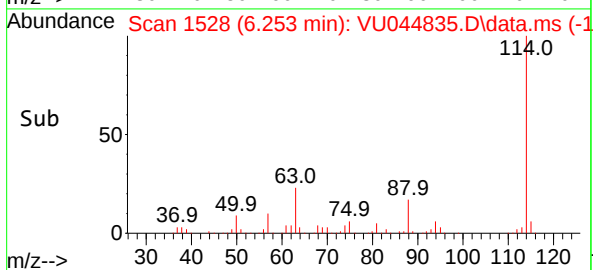
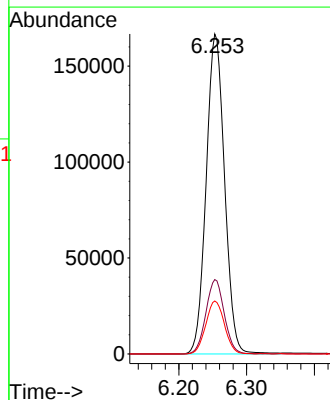
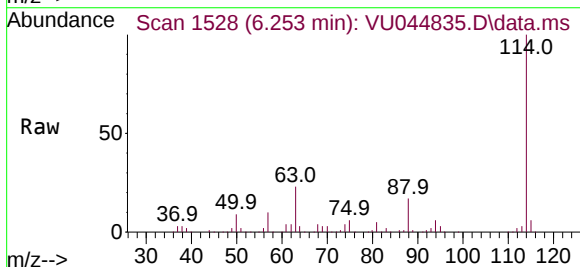
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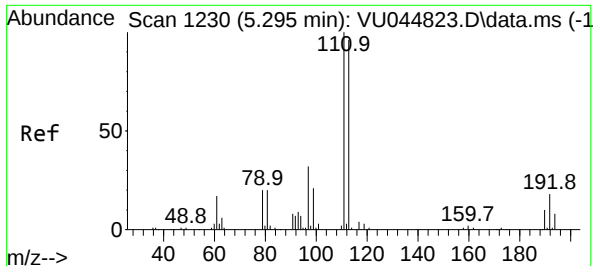
Tgt Ion: 65 Resp: 149436
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.253 min Scan# 1528
 Delta R.T. -0.000 min
 Lab File: VU044835.D
 Acq: 25 Sep 2021 14:36

Tgt Ion: 114 Resp: 314457
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.8
 88 16.5 0.0 32.8

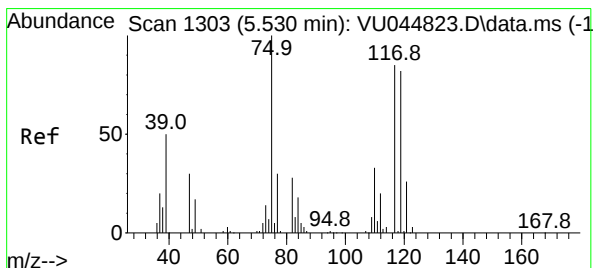
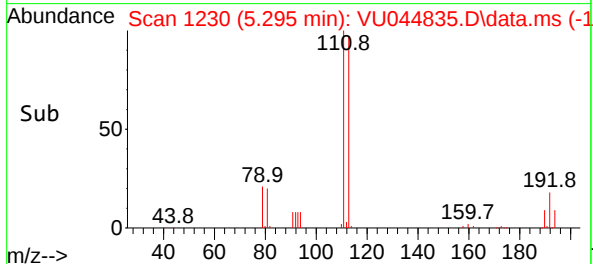
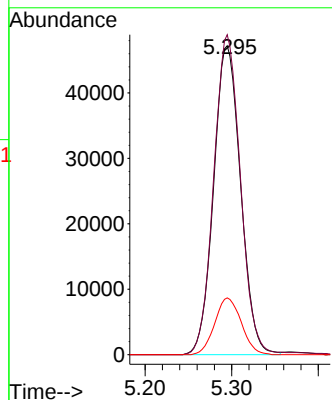
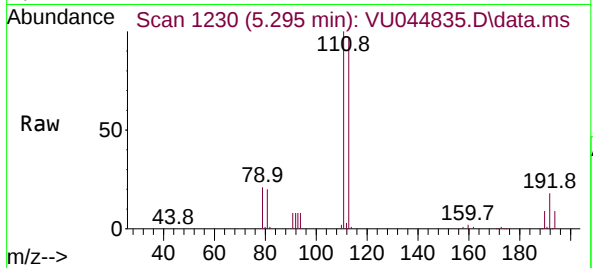




#35
Dibromofluoromethane
Concen: 47.358 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

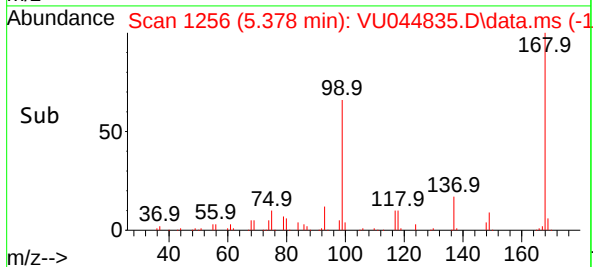
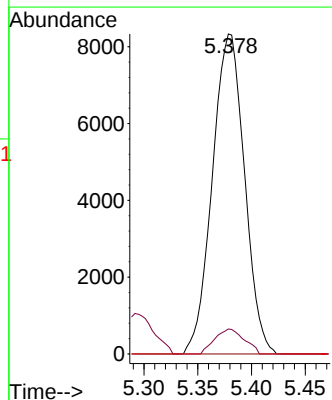
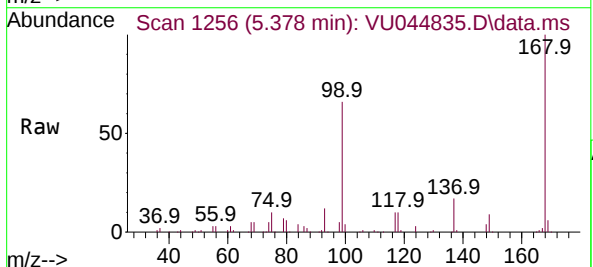
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

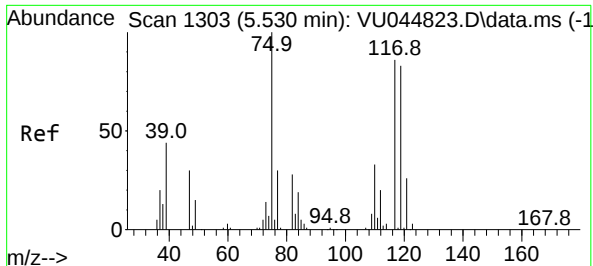
Tgt Ion:113 Resp: 102162
Ion Ratio Lower Upper
113 100
111 102.4 84.1 126.1
192 18.1 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.192 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

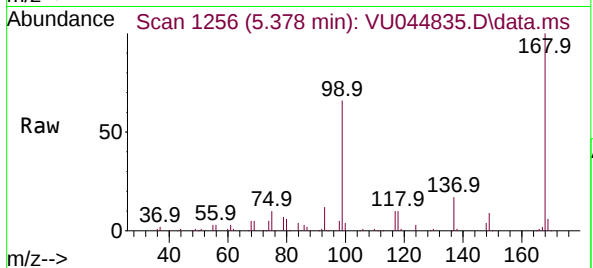
Tgt Ion: 75 Resp: 17324
Ion Ratio Lower Upper
75 100
110 7.1 16.3 48.9#
77 0.0 25.0 37.4#



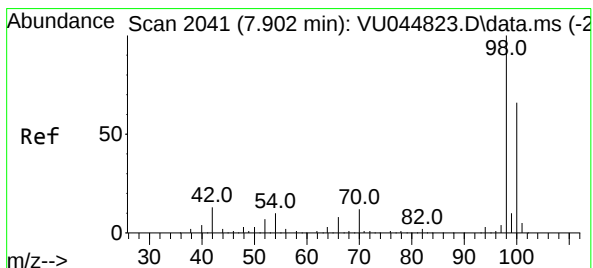
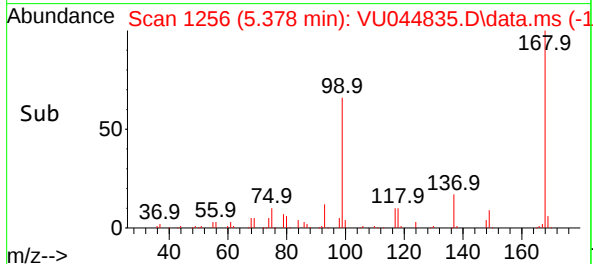
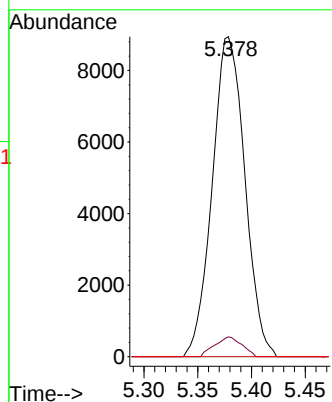


#38
Carbon Tetrachloride
Concen: 6.319 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

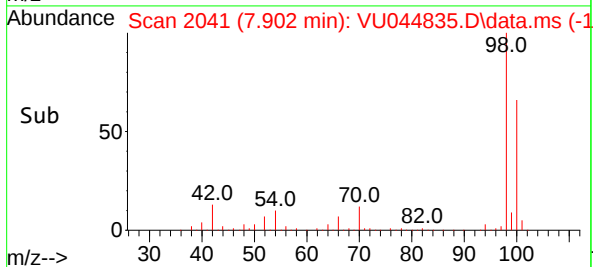
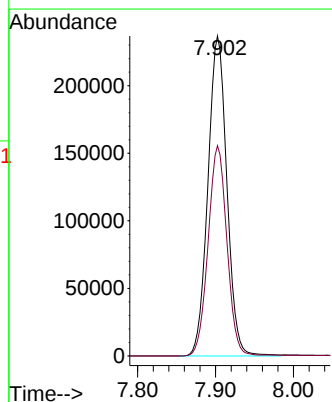
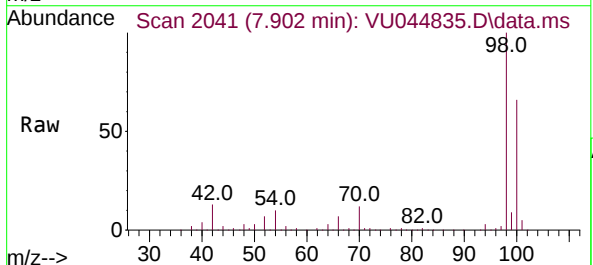


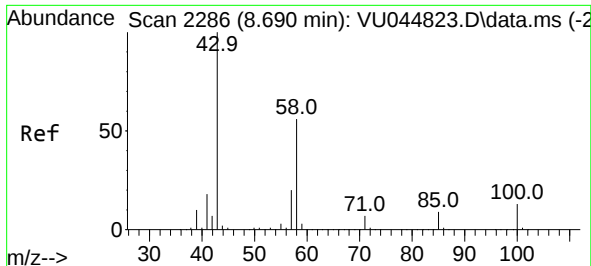
Tgt Ion: 117 Resp: 18847
Ion Ratio Lower Upper
117 100
119 6.2 77.4 116.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.106 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Tgt Ion: 98 Resp: 400086
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7

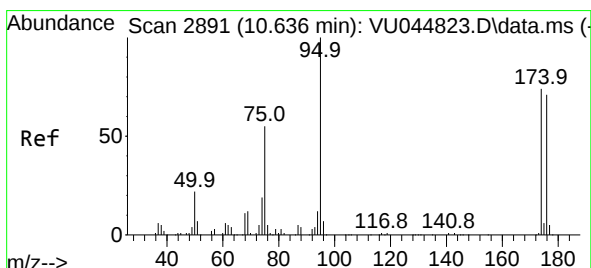
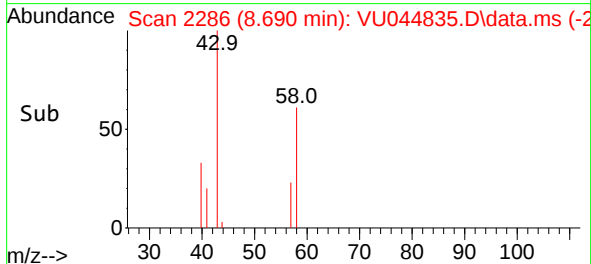
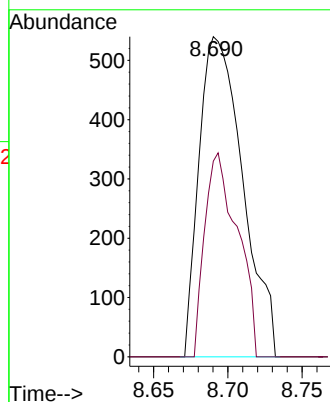
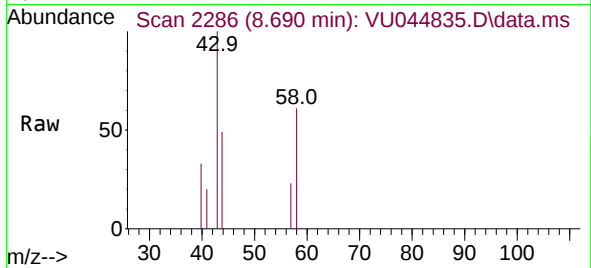




#59
2-Hexanone
Concen: 0.282 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

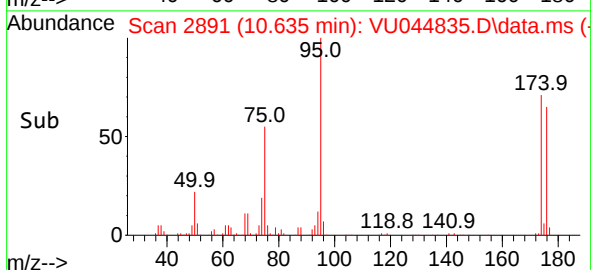
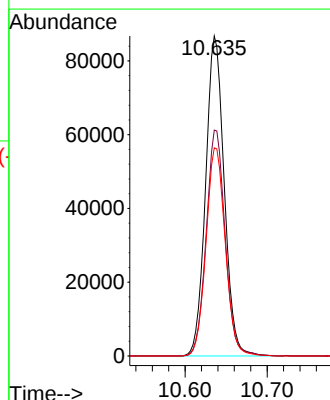
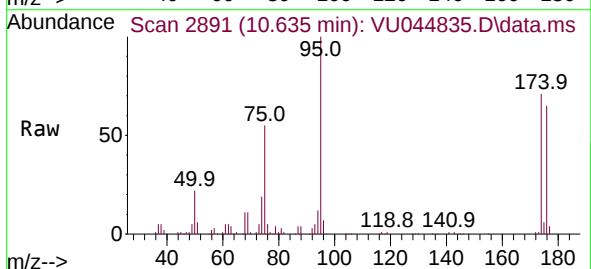
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

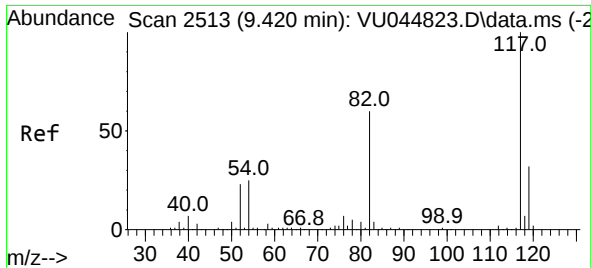
Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
58 47.7 28.0 84.0



#62
4-Bromofluorobenzene
Concen: 45.145 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Tgt Ion: 95 Resp: 136613
Ion Ratio Lower Upper
95 100
174 71.9 0.0 146.6
176 67.2 0.0 141.2



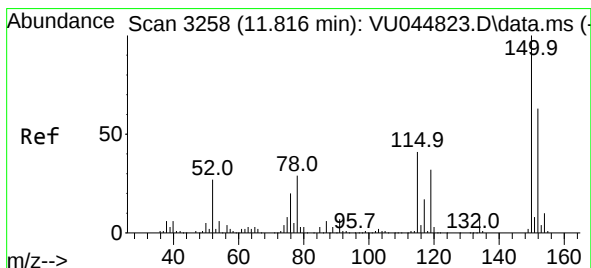
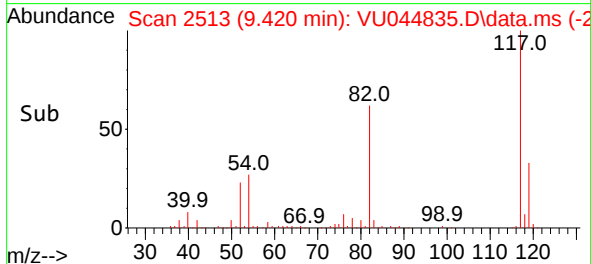
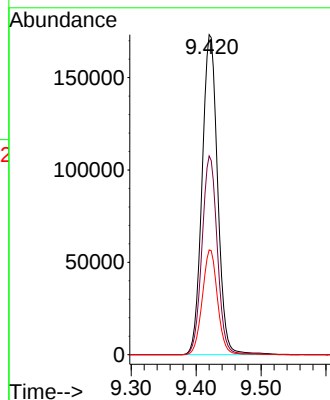
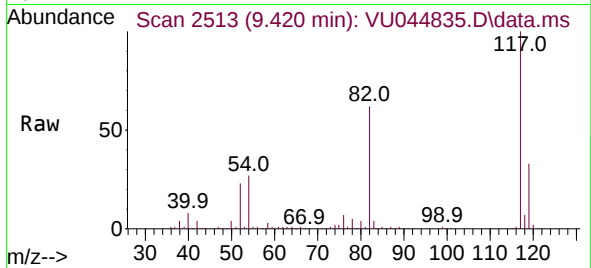


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:117 Resp: 289208

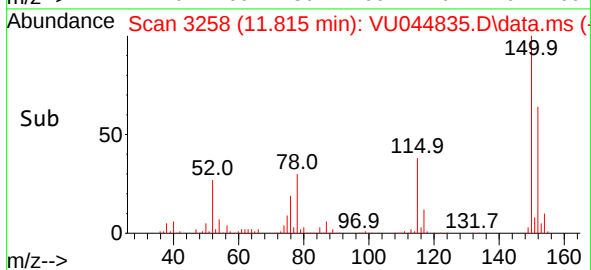
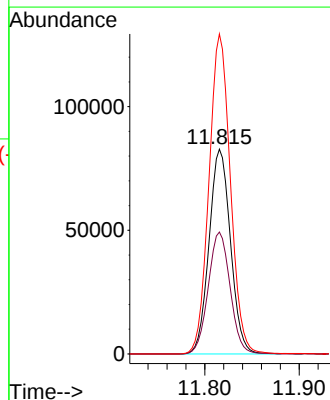
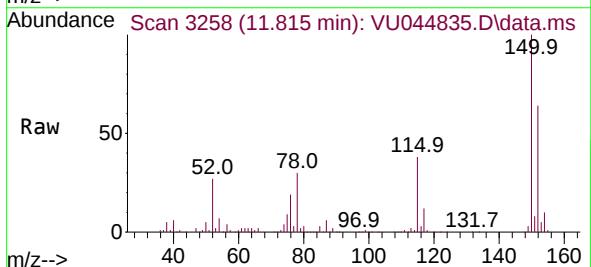
Ion	Ratio	Lower	Upper
117	100		
82	62.1	47.8	71.8
119	32.7	25.8	38.6

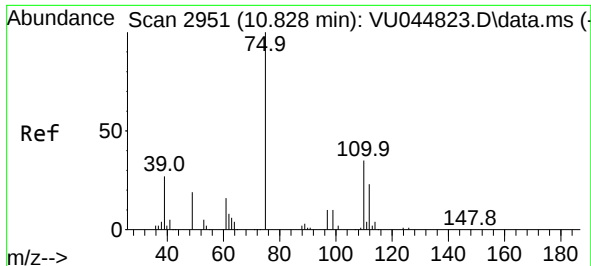


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Tgt Ion:152 Resp: 130581

Ion	Ratio	Lower	Upper
152	100		
115	60.6	43.5	130.7
150	155.8	0.0	350.0

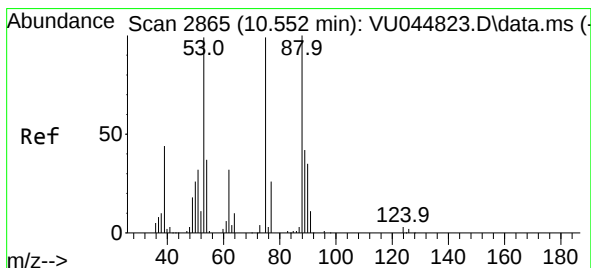
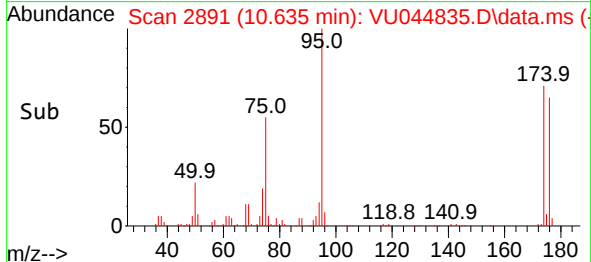
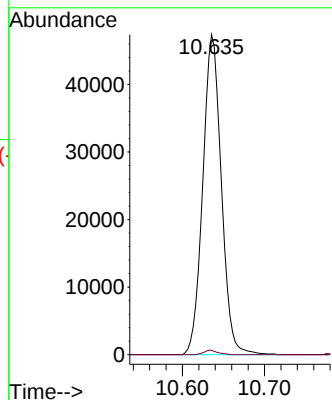
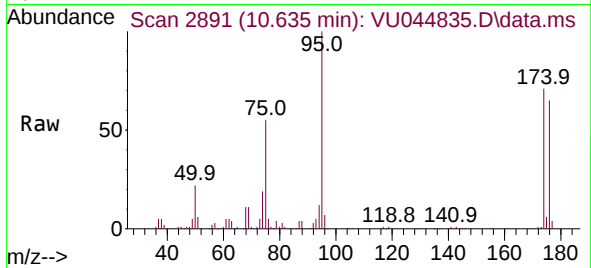




#76
1,2,3-Trichloropropane
Concen: 18.845 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

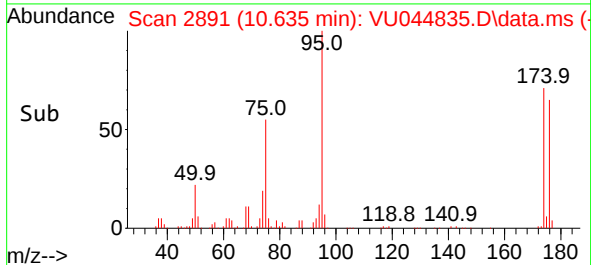
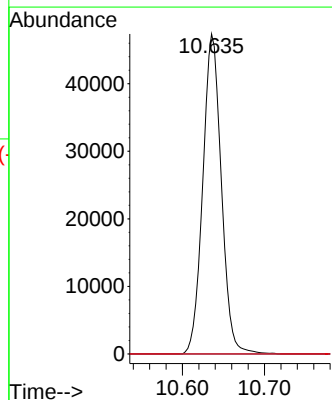
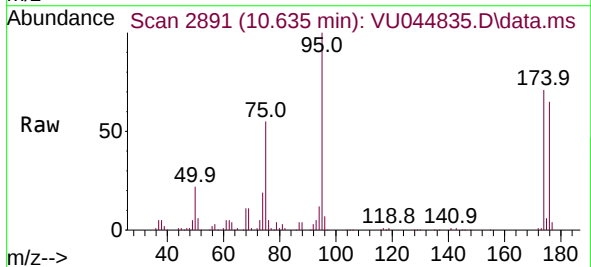
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

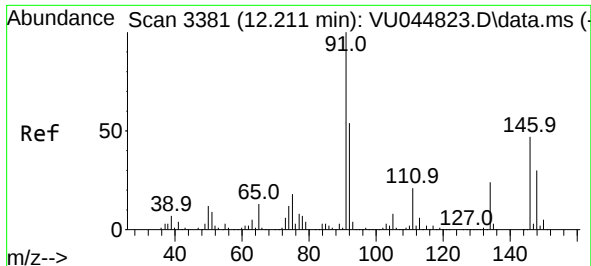
Tgt Ion: 75 Resp: 74515
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.046 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Tgt Ion: 75 Resp: 74515
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

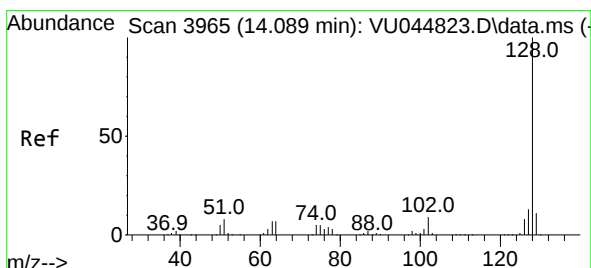
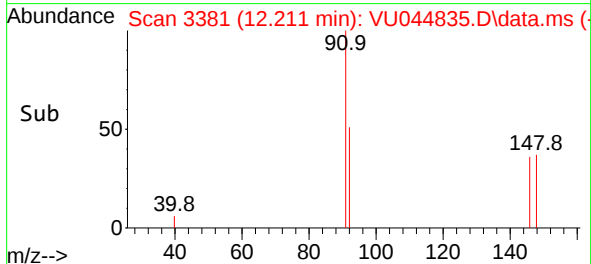
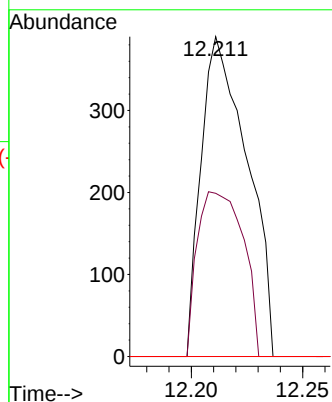
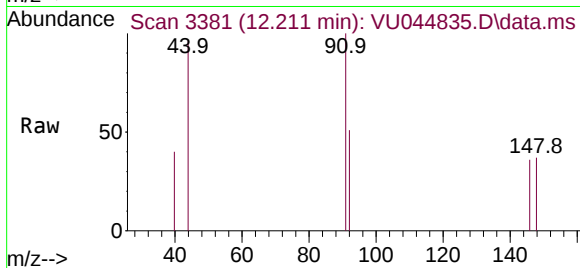




#89
n-Butylbenzene
Concen: 1.342 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

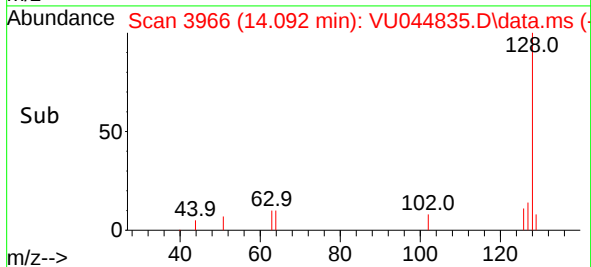
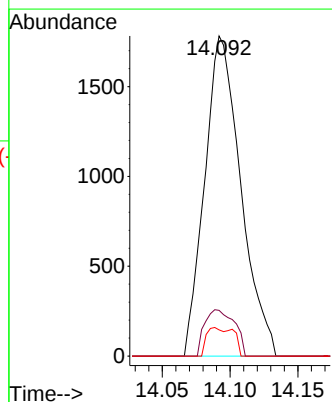
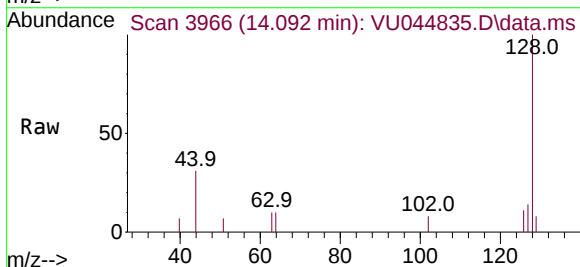
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

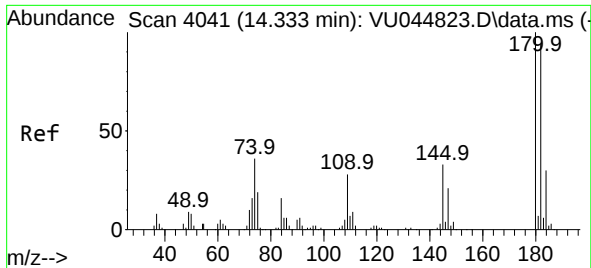
Tgt Ion:	91	Resp:	560
Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.8	80.4
134	0.0	11.8	35.4#



#95
Naphthalene
Concen: 1.266 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044835.D
Acq: 25 Sep 2021 14:36

Tgt Ion:	128	Resp:	3296
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.4	15.6
129	4.2	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.228 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.003 min
 Lab File: VU044835.D
 Acq: 25 Sep 2021 14:36

Instrument :
 MSVOA_U
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tgt Ion:180 Resp: 584
 Ion Ratio Lower Upper
 180 100
 182 88.4 47.1 141.4
 145 28.8 16.4 49.2

