

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110421\
 Data File : VU045544.D
 Acq On : 04 Nov 2021 00:45
 Operator : SY/MD
 Sample : M4472-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 13:58:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

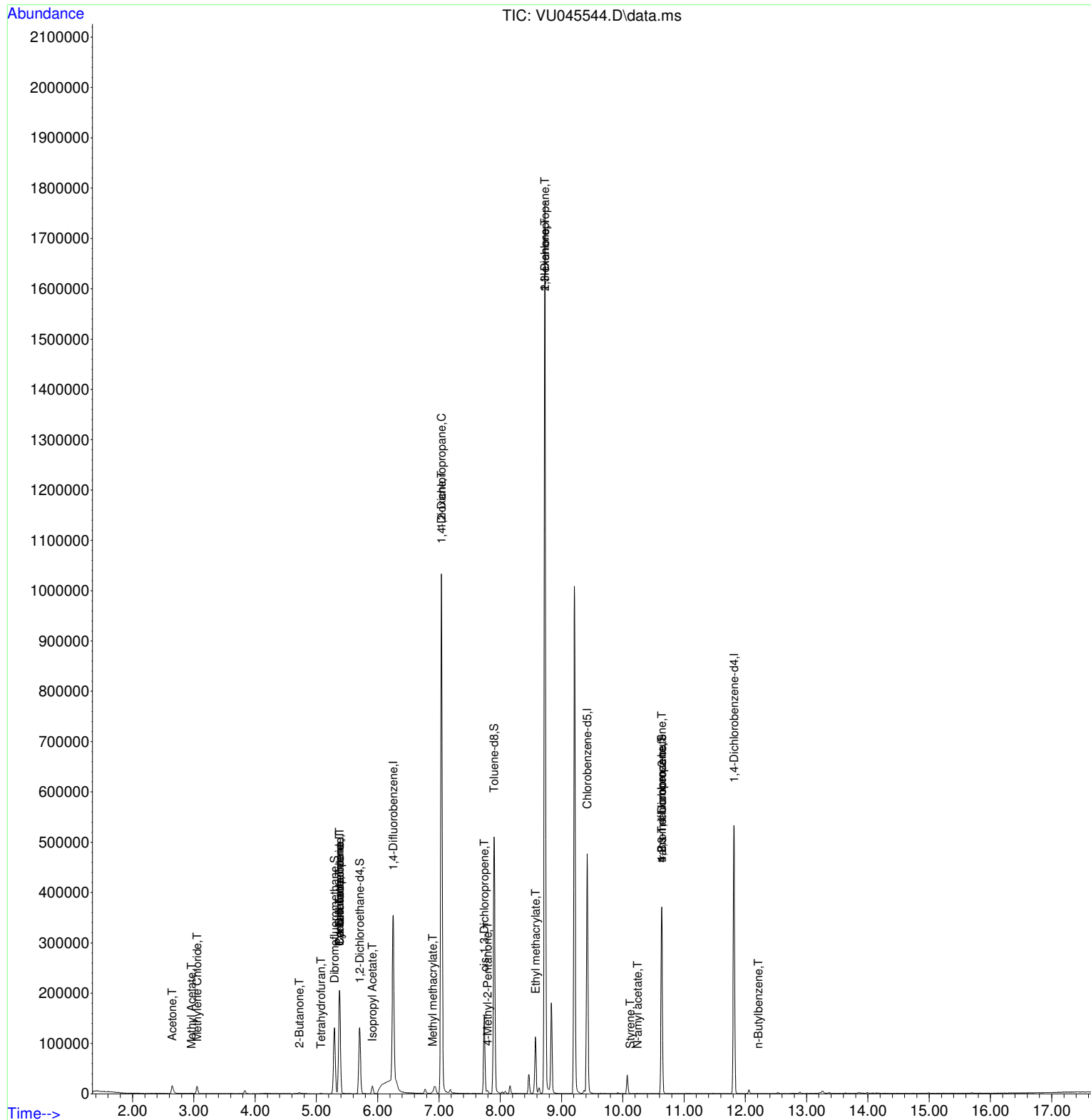
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.379	168	155461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	288309	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	285074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	149080	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	96347	38.07	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	76.14%#		
35) Dibromofluoromethane	5.295	113	86093	46.96	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.92%		
50) Toluene-d8	7.899	98	351759	48.93	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.86%		
62) 4-Bromofluorobenzene	10.636	95	132980	48.54	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.08%		
Target Compounds						
						Qvalue
16) Acetone	2.646	43	25522	22.21	ug/l	91
18) Methyl Acetate	2.961	43	1251	0.29	ug/l #	50
20) Methylene Chloride	3.054	84	8087	3.53	ug/l #	85
25) 2-Butanone	4.719	43	4302	2.48	ug/l	97
29) Tetrahydrofuran	5.073	42	329	0.29	ug/l #	73
31) Cyclohexane	5.375	56	2436	0.65	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	10605	3.86	ug/l #	50
38) Carbon Tetrachloride	5.379	117	14164	5.92	ug/l #	16
43) Isopropyl Acetate	5.912	43	15301	3.05	ug/l #	92
45) 1,2-Dichloropropane	7.041	63	1513	0.70	ug/l #	43
48) Methyl methacrylate	6.896	41	5021	2.11	ug/l #	13
49) 1,4-Dioxane	7.038	88	121	2.01	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	3557	1.10	ug/l	91
54) cis-1,3-Dichloropropene	7.739	75	32089	9.44	ug/l #	55
56) Ethyl methacrylate	8.578	69	626	1.80	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	19737	5.42	ug/l #	42
59) 2-Hexanone	8.729	43	209984	83.71	ug/l #	51
70) Styrene	10.118	104	61	0.99	ug/l #	25
74) N-amyl acetate	10.243	43	649	1.28	ug/l #	40
76) 1,2,3-Trichloropropane	10.636	75	60867	15.32	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.636	75	60867	43.20	ug/l #	12
89) n-Butylbenzene	12.211	91	143	0.95	ug/l #	47

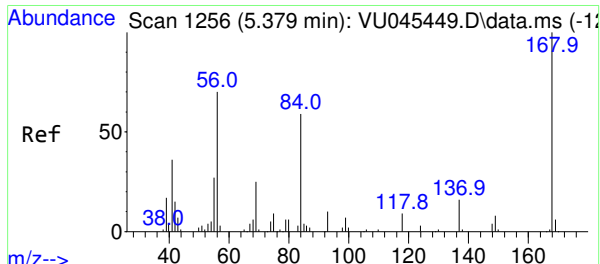
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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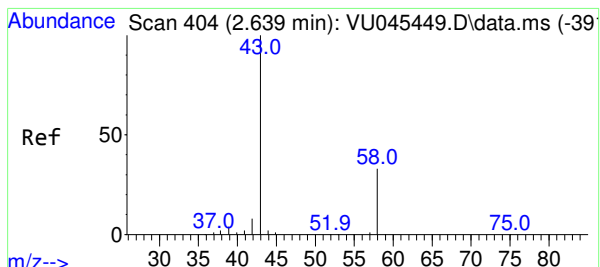
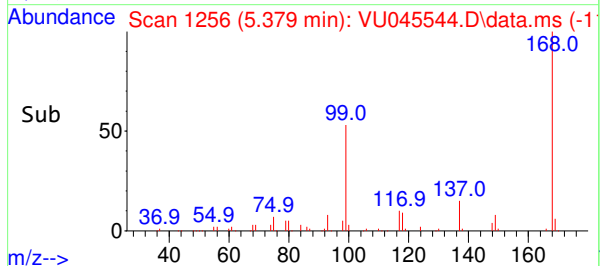
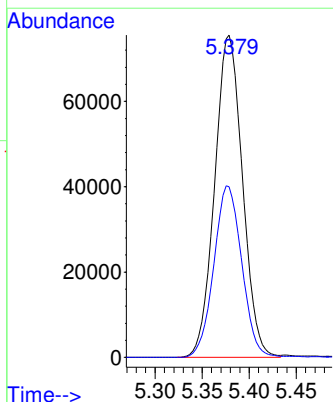
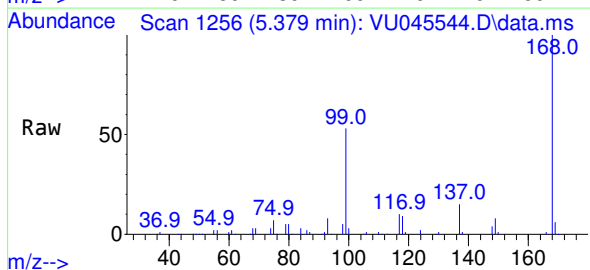




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

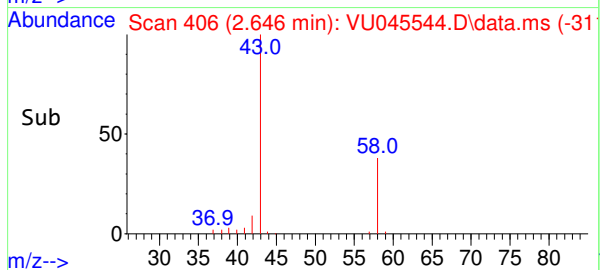
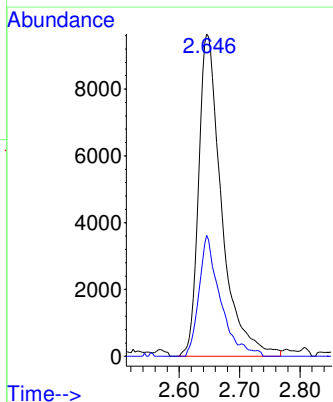
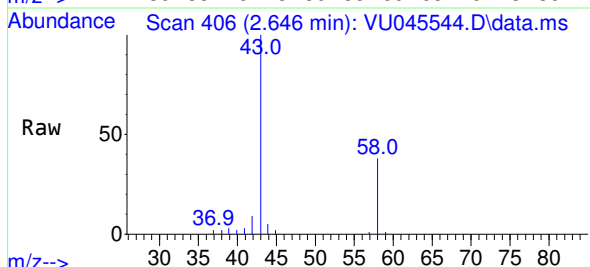
Instrument :
MSVOA_U
ClientSampleId :

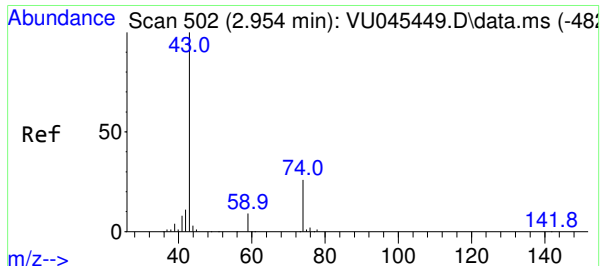
Tgt Ion:168 Resp: 155461
Ion Ratio Lower Upper
168 100
99 52.9 51.0 76.6



#16
Acetone
Concen: 22.21 ug/l
RT: 2.646 min Scan# 406
Delta R.T. 0.006 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion: 43 Resp: 25522
Ion Ratio Lower Upper
43 100
58 37.5 26.2 39.2

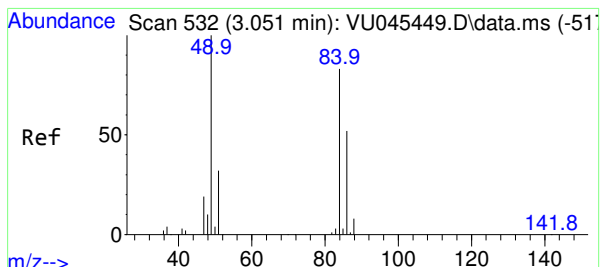
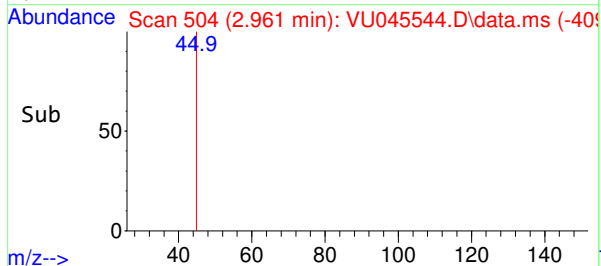
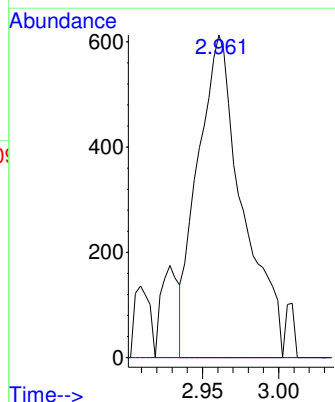
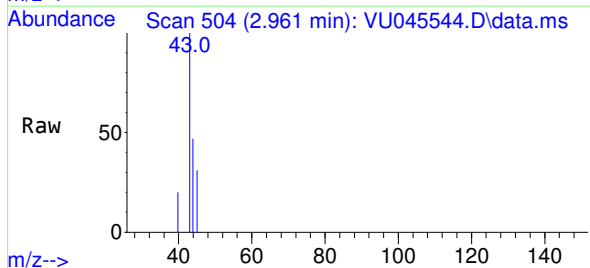




#18
Methyl Acetate
Concen: 0.29 ug/l
RT: 2.961 min Scan# 511
Delta R.T. 0.006 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

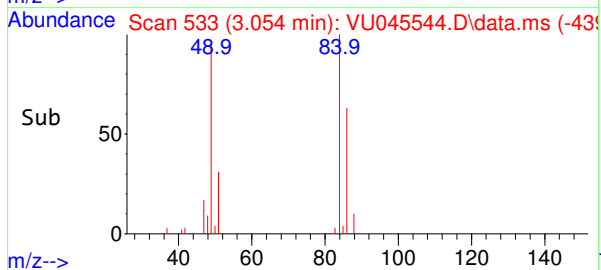
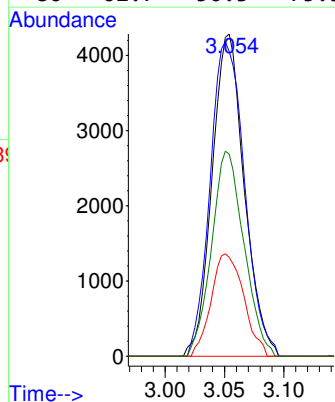
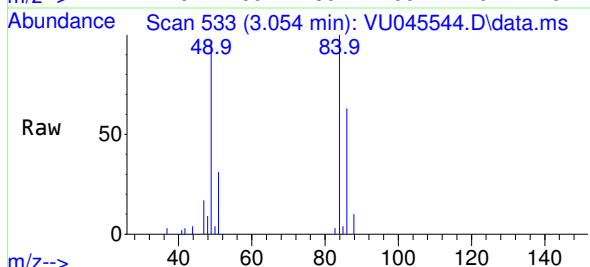
Instrument :
MSVOA_U
ClientSampleId :

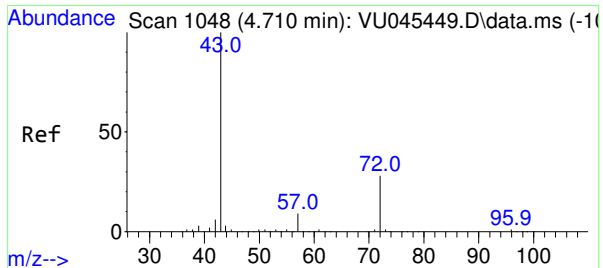
Tgt Ion: 43 Resp: 1251
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 3.53 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion: 84 Resp: 8087
Ion Ratio Lower Upper
84 100
49 94.6 96.4 144.6#
51 30.7 30.5 45.7
86 62.7 50.3 75.5

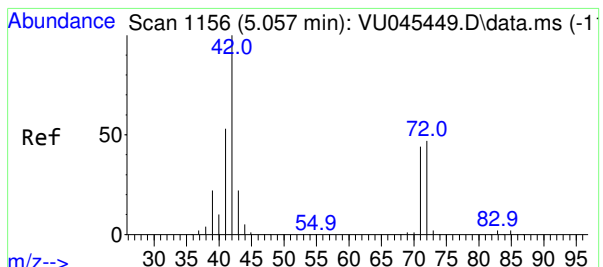
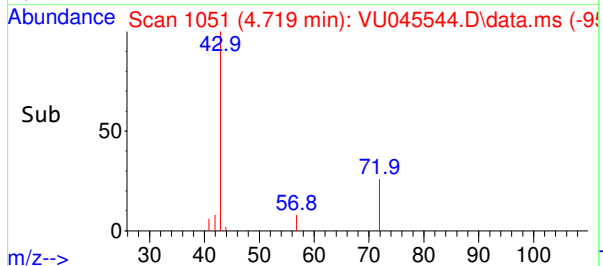
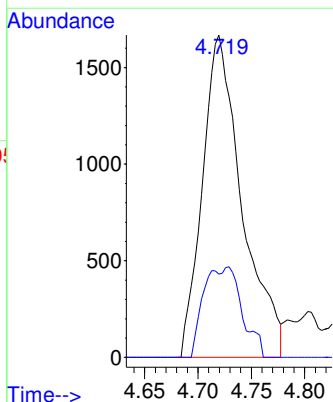
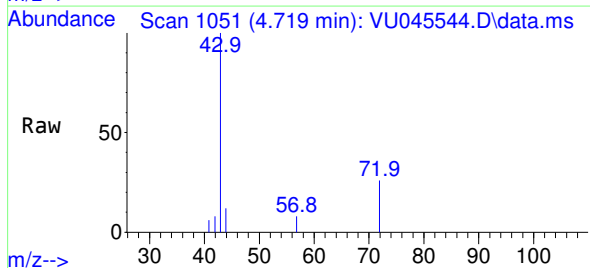




#25
2-Butanone
Concen: 2.48 ug/l
RT: 4.719 min Scan# 1
Delta R.T. 0.010 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

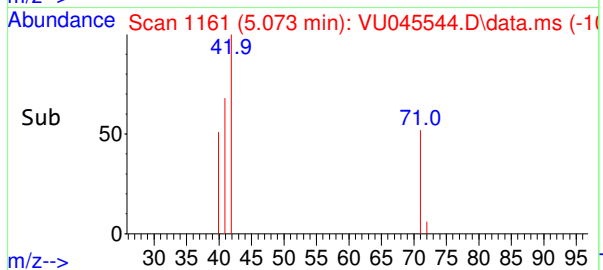
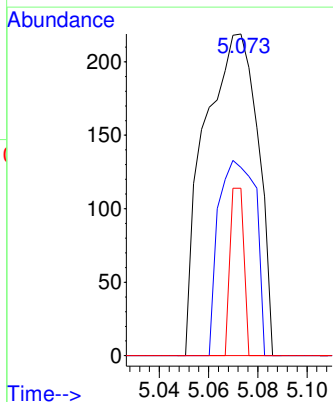
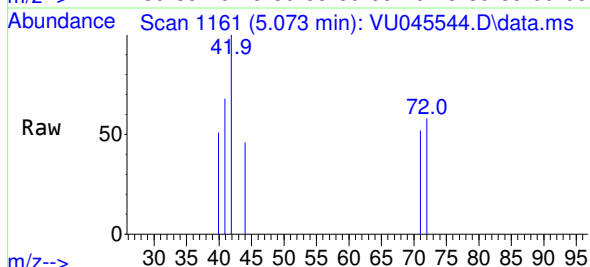
Instrument :
MSVOA_U
ClientSampleId :

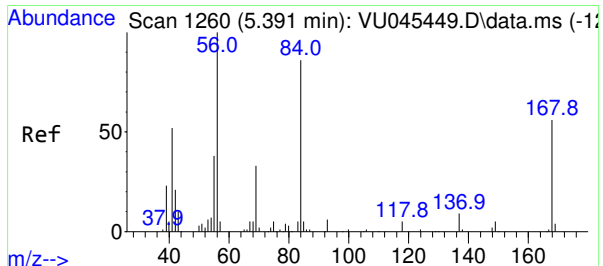
Tgt Ion: 43 Resp: 4302
Ion Ratio Lower Upper
43 100
72 25.8 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.29 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.016 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion: 42 Resp: 329
Ion Ratio Lower Upper
42 100
72 41.9 38.2 57.4
71 13.4 35.4 53.2#

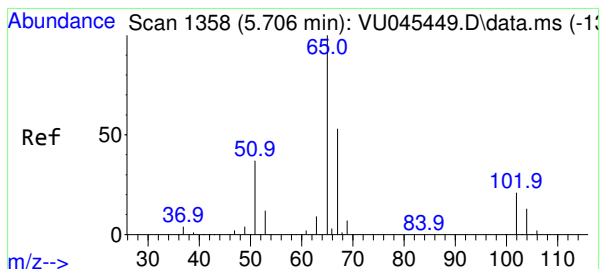
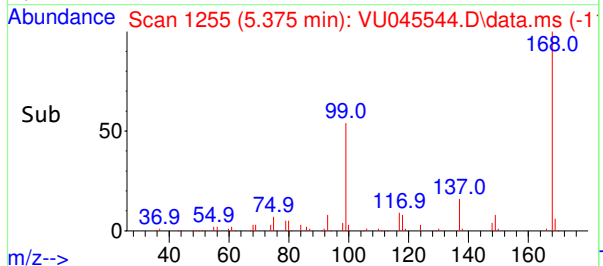
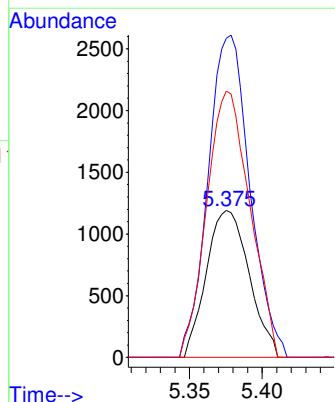
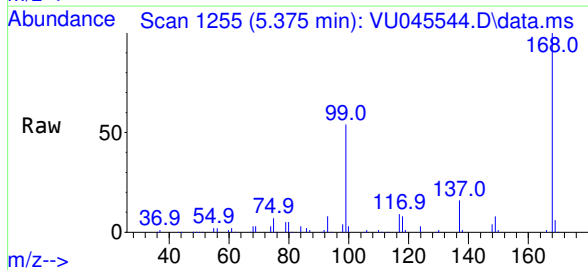




#31
Cyclohexane
Concen: 0.65 ug/l
RT: 5.375 min Scan# 1
Delta R.T. -0.016 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

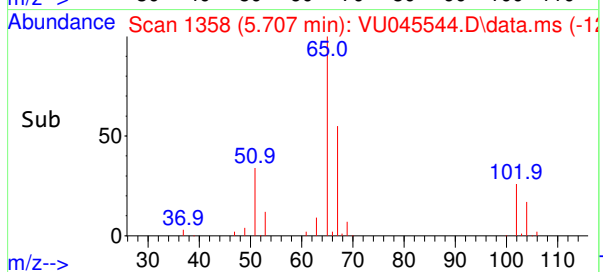
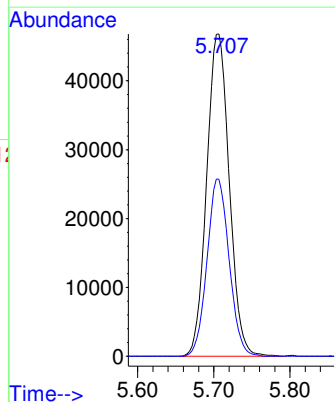
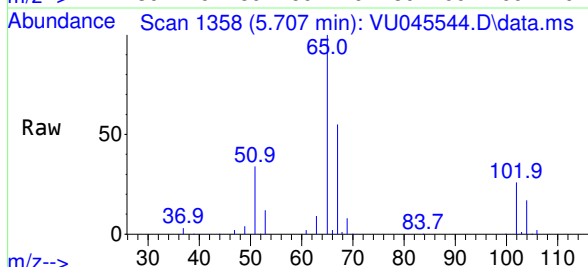
Instrument :
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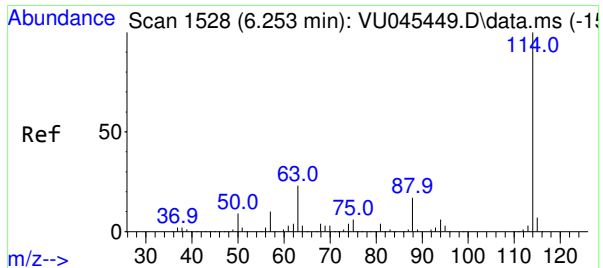
Tgt Ion: 56 Resp: 2436
Ion Ratio Lower Upper
56 100
69 217.4 26.4 39.6#
84 181.4 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 38.07 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion: 65 Resp: 96347
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.8

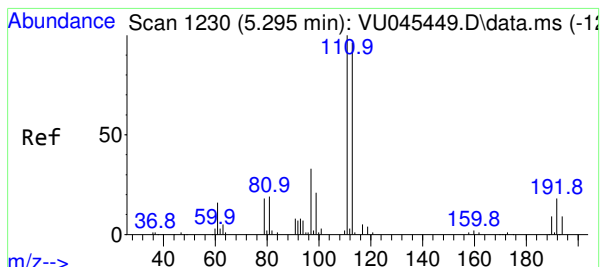
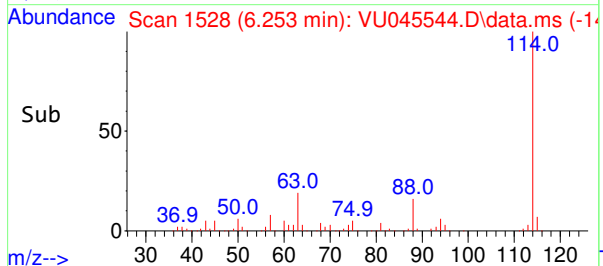
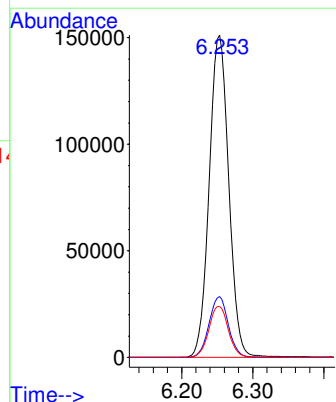
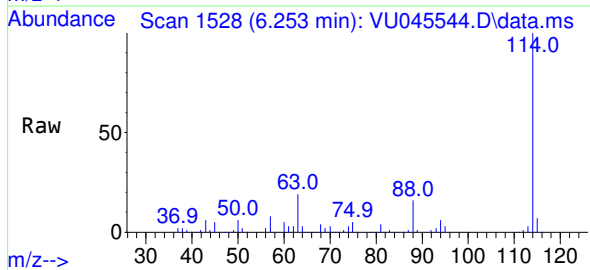




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

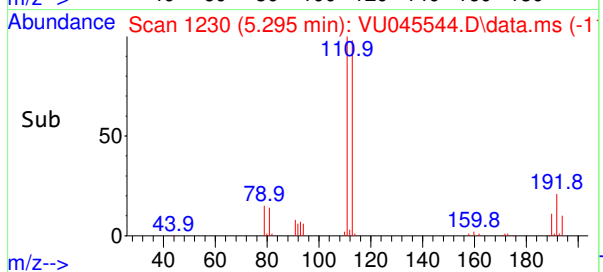
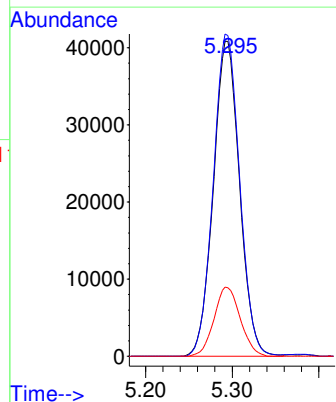
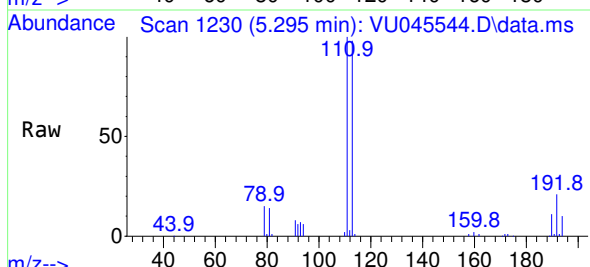
Instrument :
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ClientSampleId :

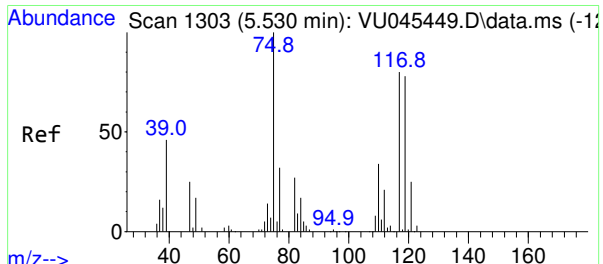
Tgt Ion:	114	Resp:	288309
Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	45.6
88	15.8	0.0	33.8



#35
Dibromofluoromethane
Concen: 46.96 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion:	113	Resp:	86093
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	22.0	14.8	22.2

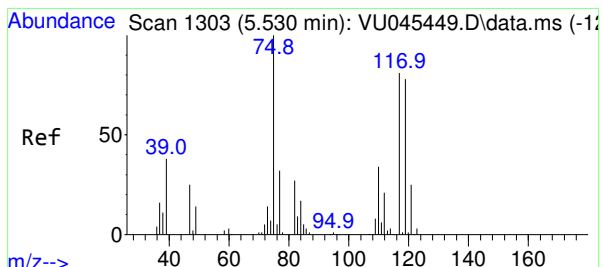
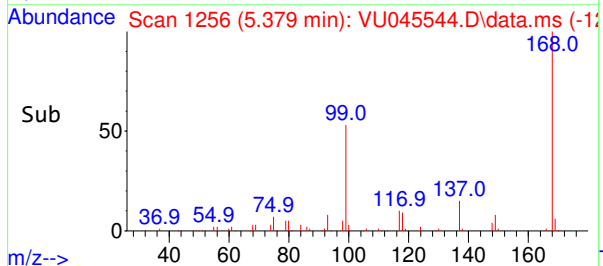
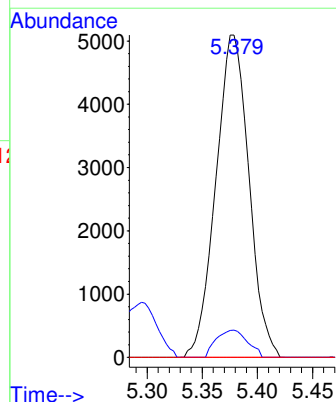
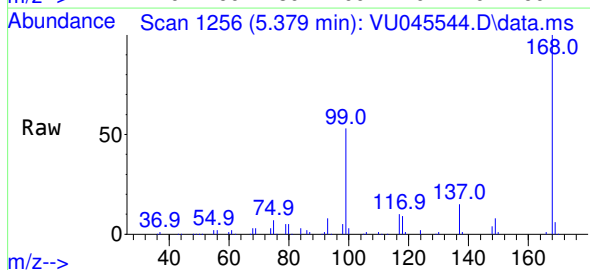




#36
1,1-Dichloropropene
Concen: 3.86 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

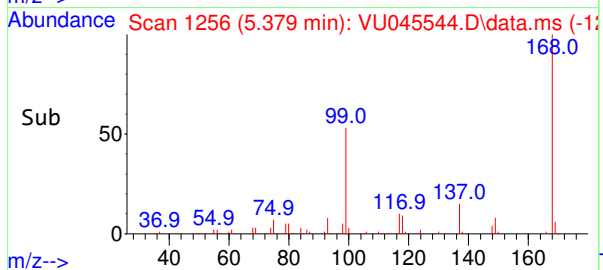
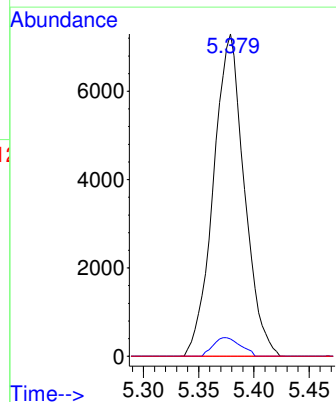
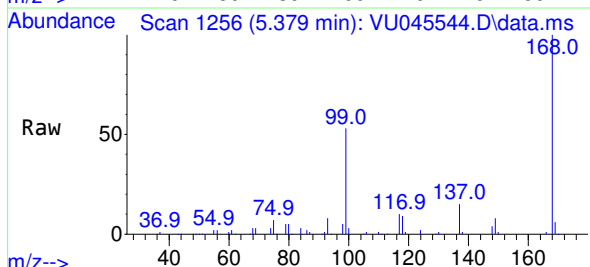
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MSVOA_U
ClientSampleId :

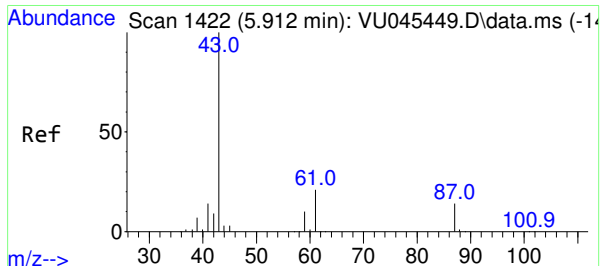
Tgt Ion: 75 Resp: 10605
Ion Ratio Lower Upper
75 100
110 8.0 16.7 50.0#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.92 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion:117 Resp: 14164
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.0#
121 0.0 24.8 37.2#

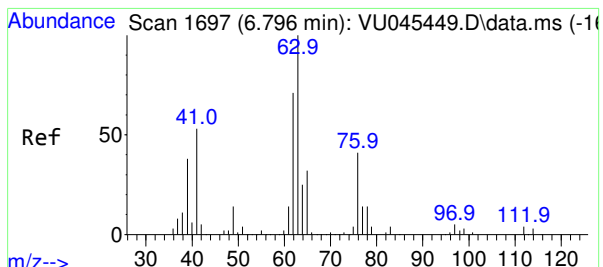
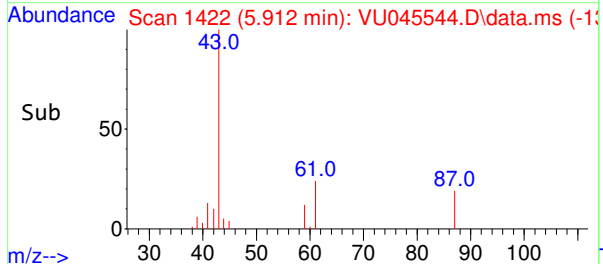
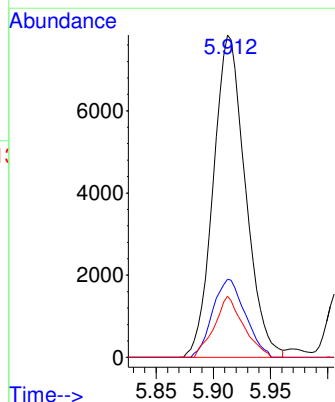
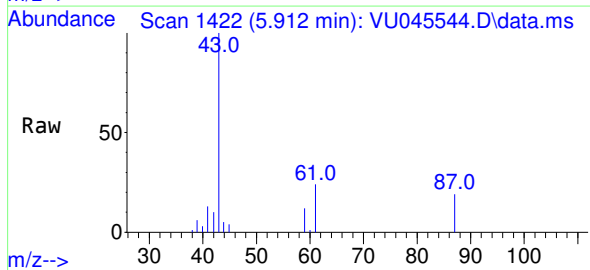




#43
Isopropyl Acetate
Concen: 3.05 ug/l
RT: 5.912 min Scan# 1733
Delta R.T. 0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

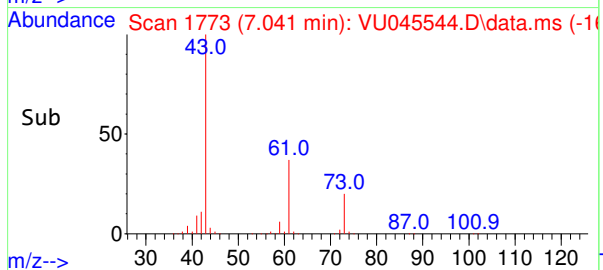
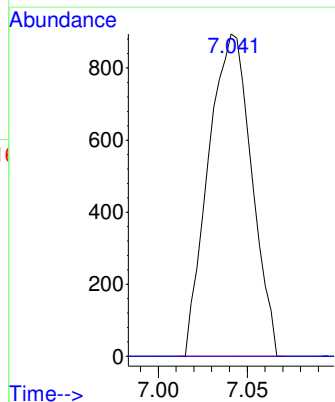
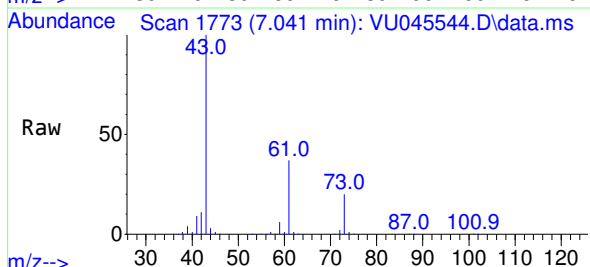
Instrument :
MSVOA_U
ClientSampleId :

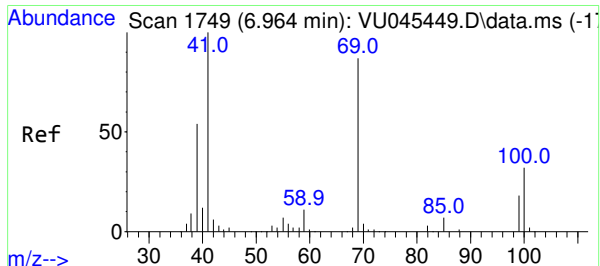
Tgt Ion	Ratio	Lower	Upper
43	100		
61	24.7	16.9	25.3
87	17.3	11.0	16.4



#45
1,2-Dichloropropane
Concen: 0.70 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.244 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.7	38.5

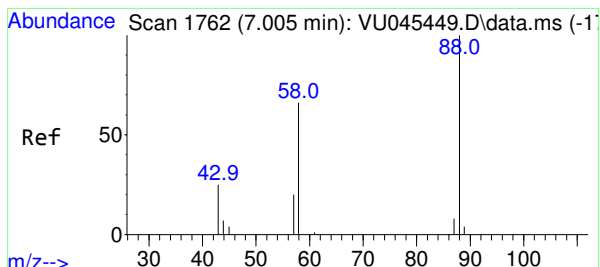
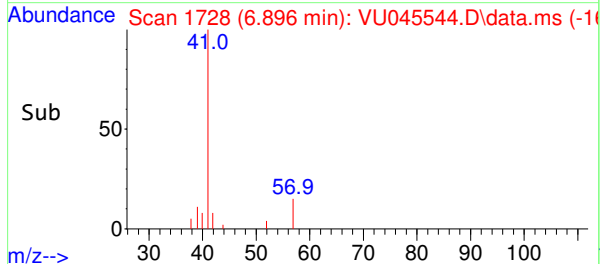
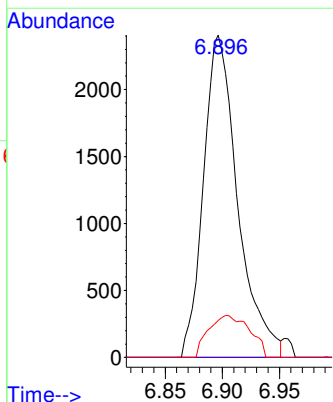
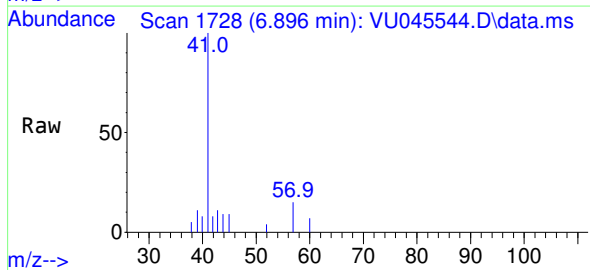




#48
Methyl methacrylate
Concen: 2.11 ug/l
RT: 6.896 min Scan# 1
Delta R.T. -0.067 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

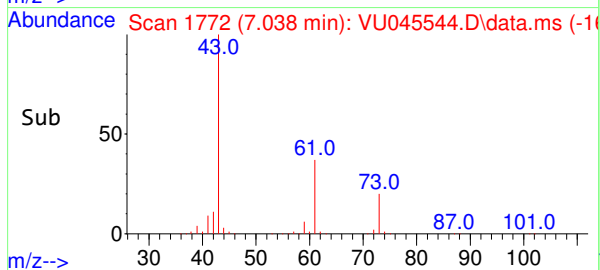
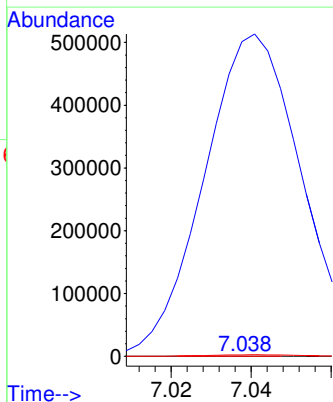
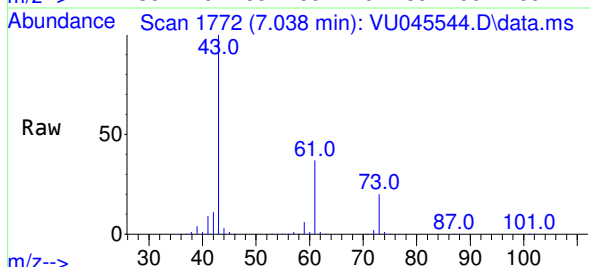
Instrument :
MSVOA_U
ClientSampleId :

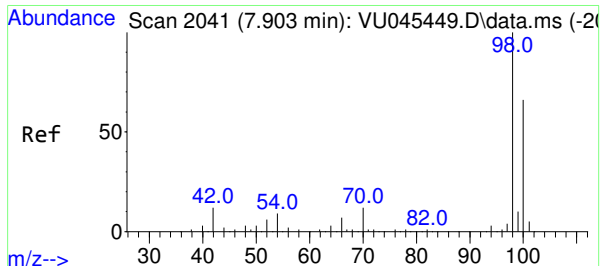
Tgt Ion: 41 Resp: 5021
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 0.0 43.9 65.9#



#49
1,4-Dioxane
Concen: 2.01 ug/l
RT: 7.038 min Scan# 1772
Delta R.T. 0.032 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 736548.8 0.0 0.0#
58 3594.2 58.7 88.1#

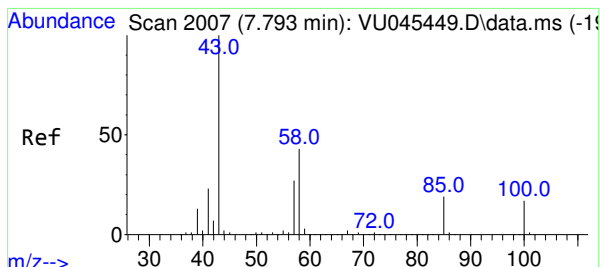
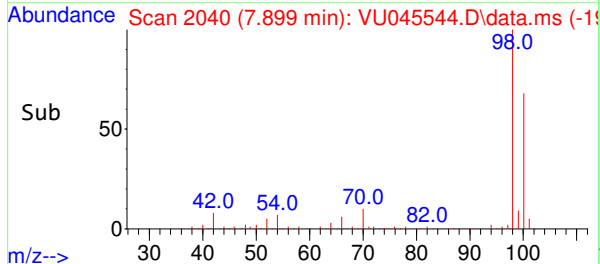
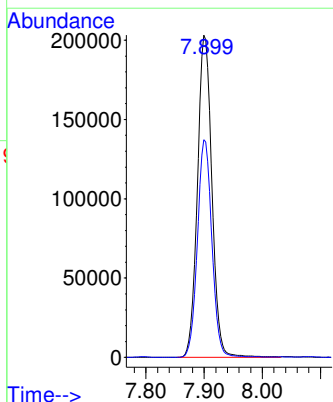
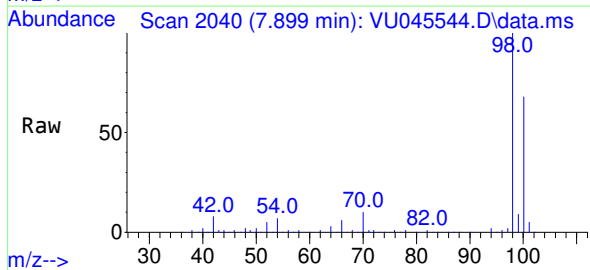




#50
Toluene-d8
Concen: 48.93 ug/l
RT: 7.899 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

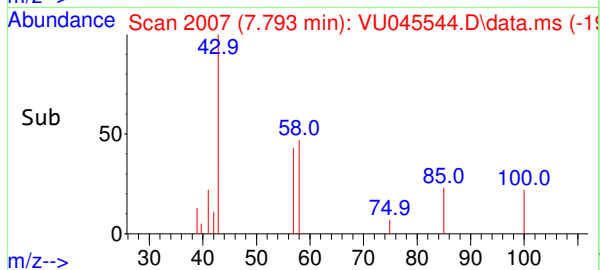
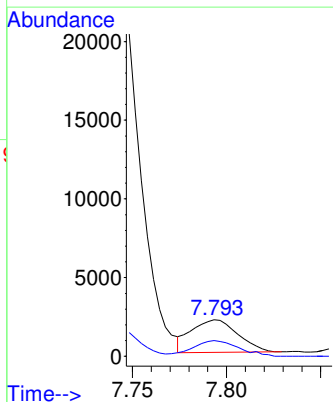
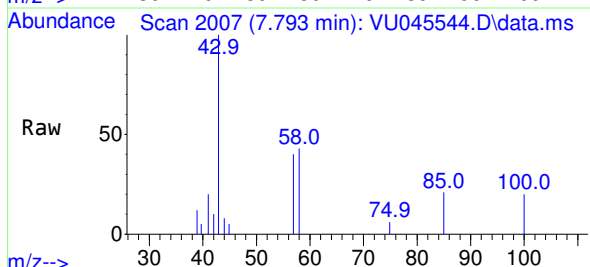
Instrument :
MSVOA_U
ClientSampleId :

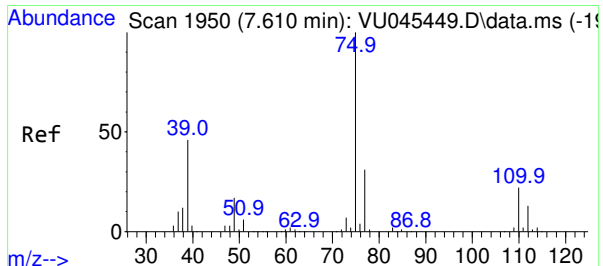
Tgt Ion: 98 Resp: 351759
Ion Ratio Lower Upper
98 100
100 67.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.10 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. 0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion: 43 Resp: 3557
Ion Ratio Lower Upper
43 100
58 47.9 33.8 50.8





#54

cis-1,3-Dichloropropene

Concen: 9.44 ug/l

RT: 7.739 min Scan# 1

Delta R.T. 0.129 min

Lab File: VU045544.D

Acq: 04 Nov 2021 00:45

Instrument :

MSVOA_U

ClientSampleId :

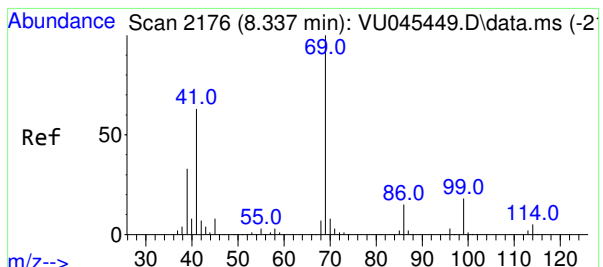
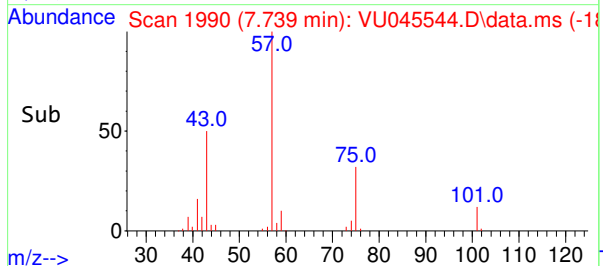
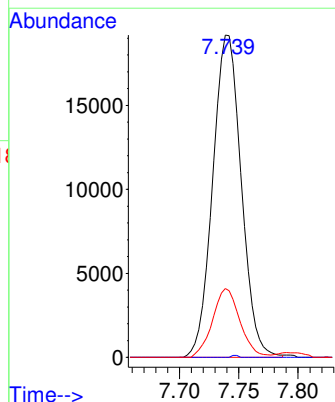
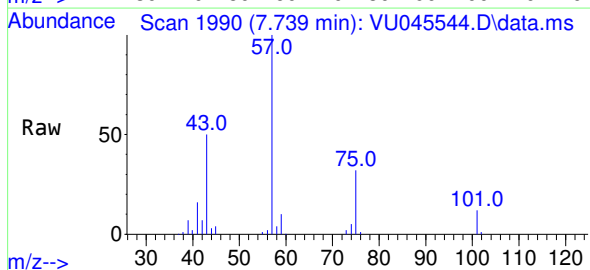
Tgt Ion: 75 Resp: 32089

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 21.4 37.1 55.7#



#56

Ethyl methacrylate

Concen: 1.80 ug/l

RT: 8.578 min Scan# 2251

Delta R.T. 0.241 min

Lab File: VU045544.D

Acq: 04 Nov 2021 00:45

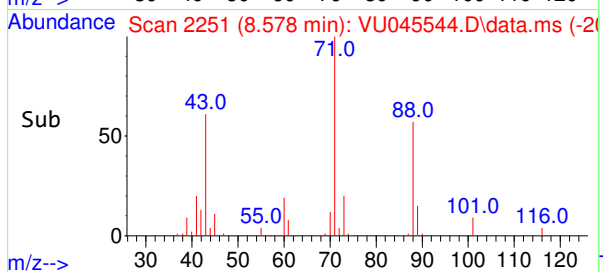
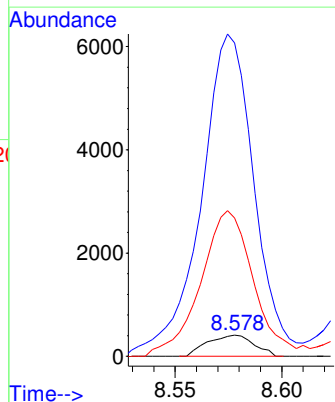
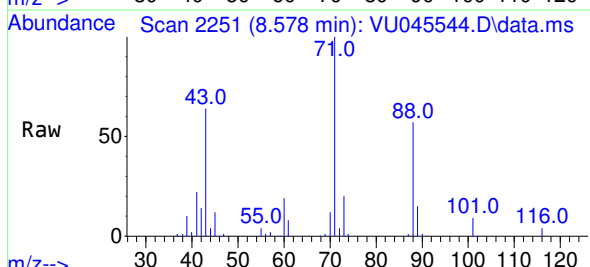
Tgt Ion: 69 Resp: 626

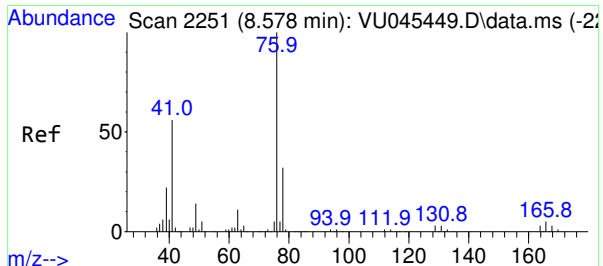
Ion Ratio Lower Upper

69 100

41 1728.8 51.0 76.4#

39 782.6 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 5.42 ug/l

RT: 8.729 min Scan# 2

Delta R.T. 0.151 min

Lab File: VU045544.D

Acq: 04 Nov 2021 00:45

Instrument :

MSVOA_U

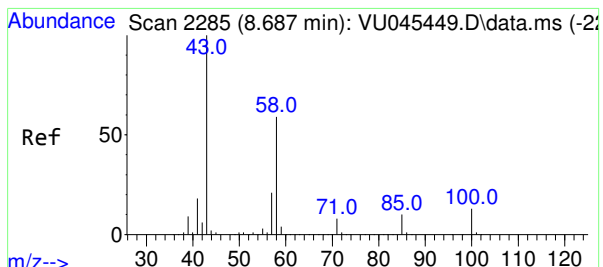
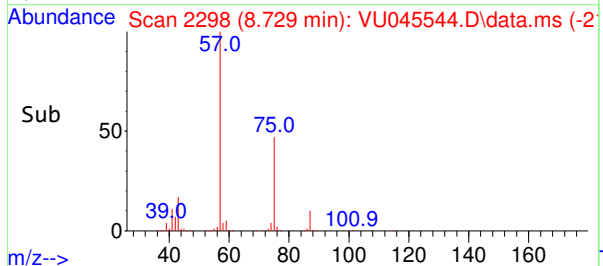
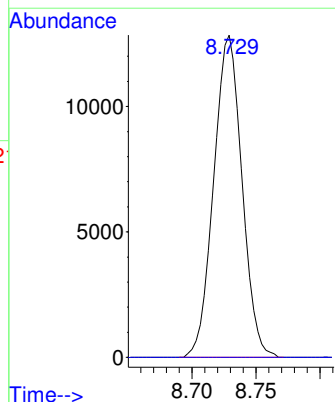
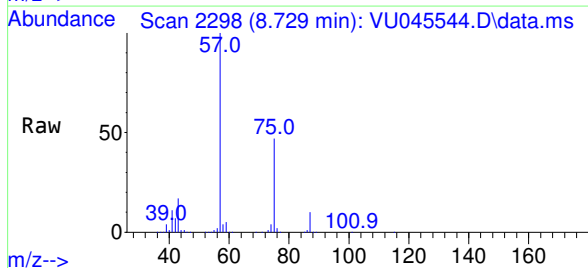
ClientSampleId :

Tgt Ion: 76 Resp: 19737

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 83.71 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.042 min

Lab File: VU045544.D

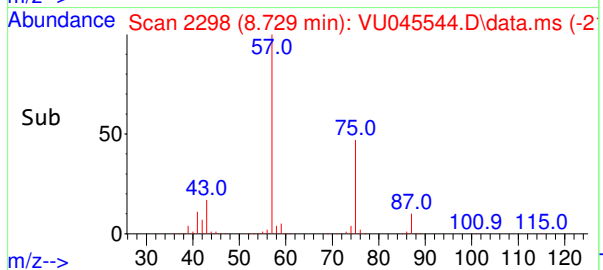
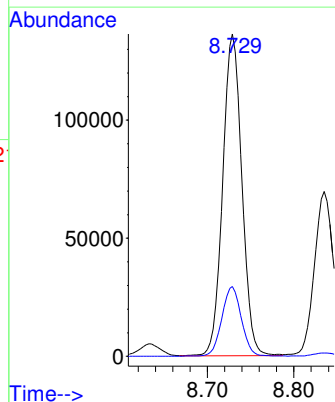
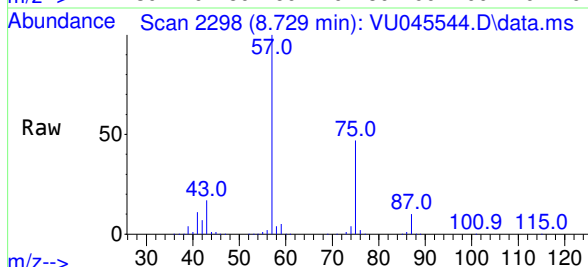
Acq: 04 Nov 2021 00:45

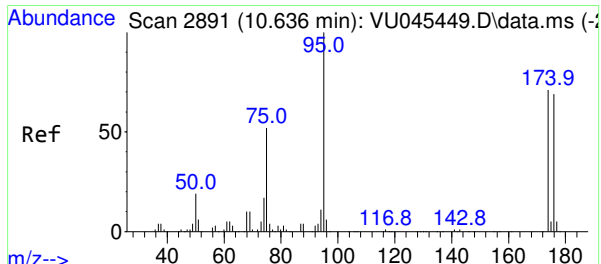
Tgt Ion: 43 Resp: 209984

Ion Ratio Lower Upper

43 100

58 22.3 29.5 88.6#

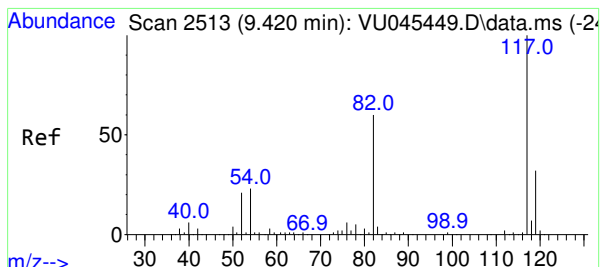
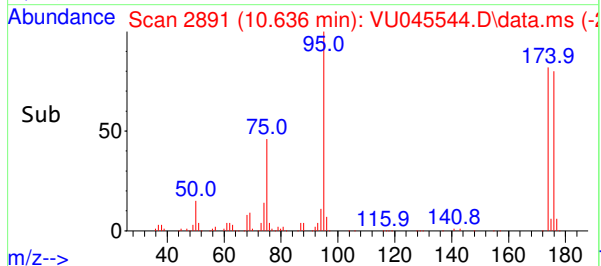
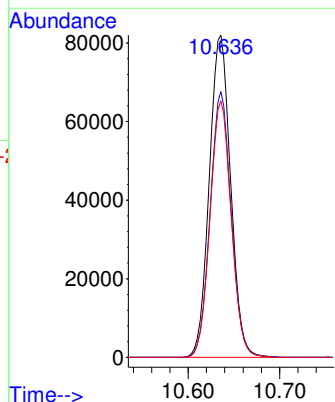
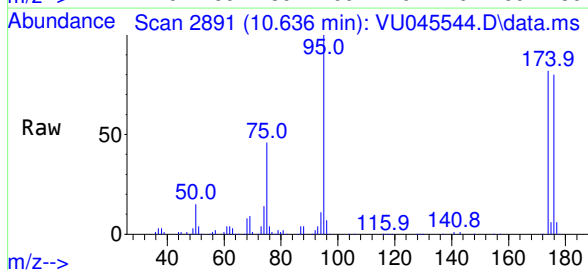




#62
4-Bromofluorobenzene
Concen: 48.54 ug/l
RT: 10.636 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

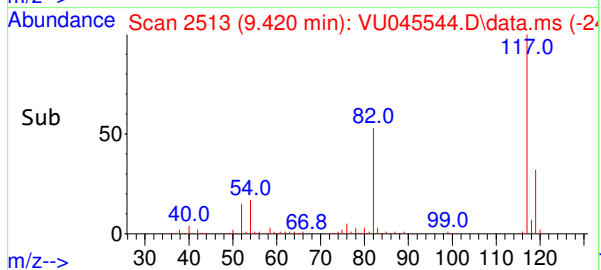
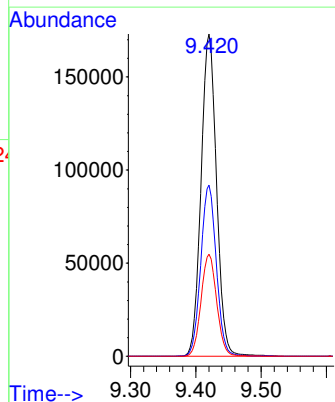
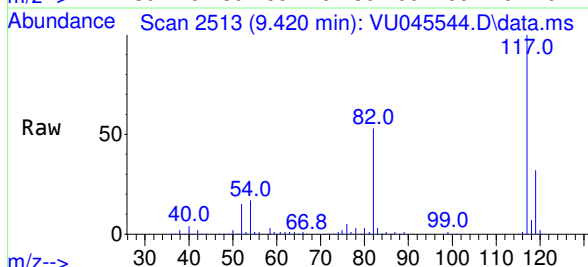
Instrument :
MSVOA_U
ClientSampleId :

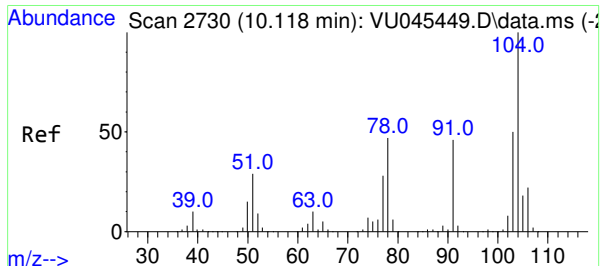
Tgt Ion:	95	Resp:	132980
Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	141.8
176	78.8	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion:	117	Resp:	285074
Ion	Ratio	Lower	Upper
117	100		
82	53.1	47.8	71.8
119	31.7	25.8	38.8

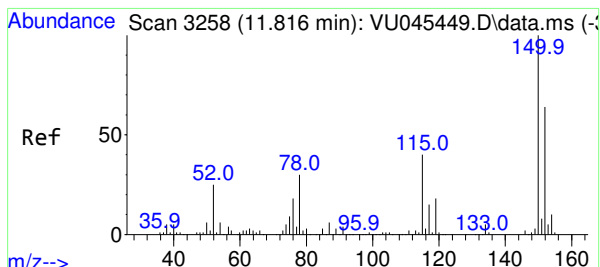
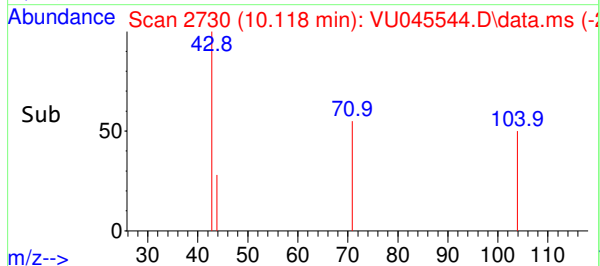
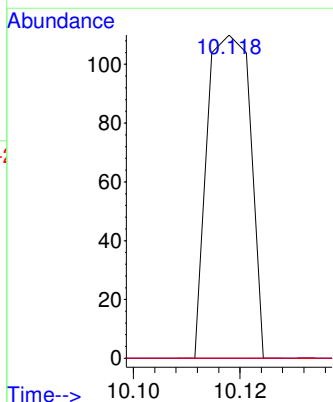
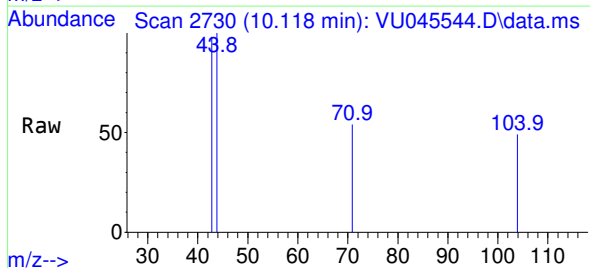




#70
Styrene
Concen: 0.99 ug/l
RT: 10.118 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

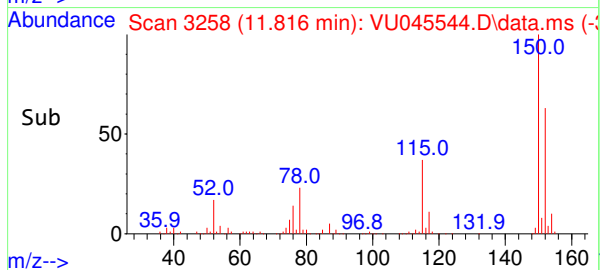
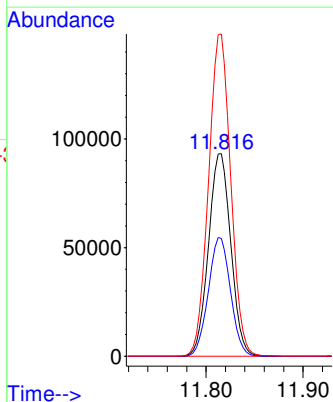
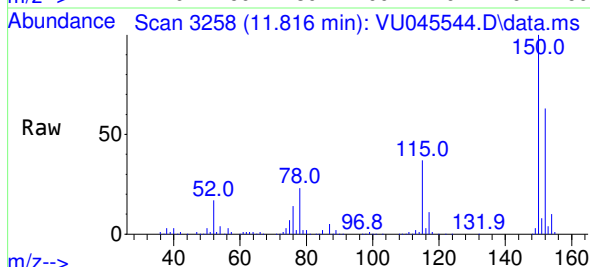
Instrument :
MSVOA_U
ClientSampleId :

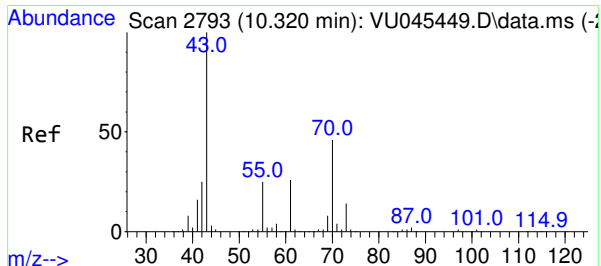
Tgt Ion:104 Resp: 61
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.6#
103 0.0 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion:152 Resp: 149080
Ion Ratio Lower Upper
152 100
115 58.2 42.7 128.1
150 157.8 0.0 346.8

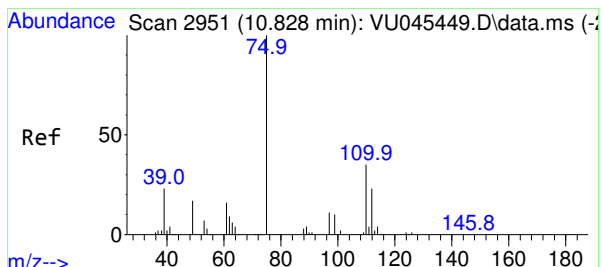
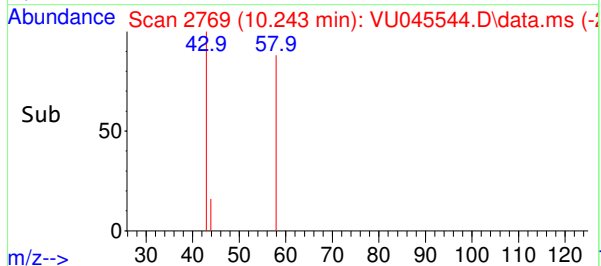
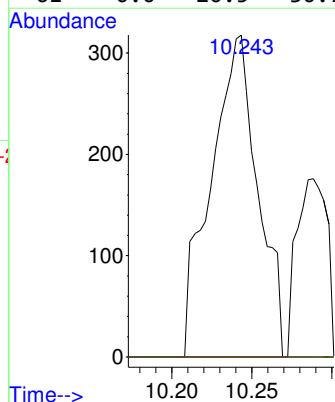
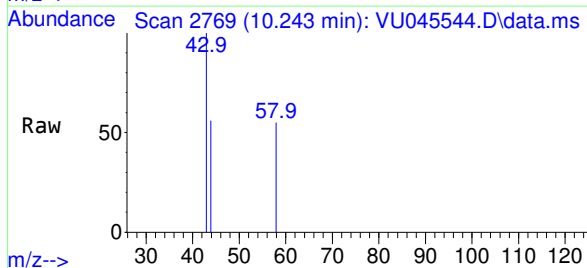




#74
N-amyI acetate
Concen: 1.28 ug/l
RT: 10.243 min Scan# 21
Delta R.T. -0.077 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

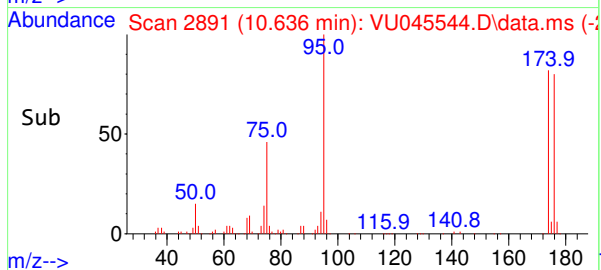
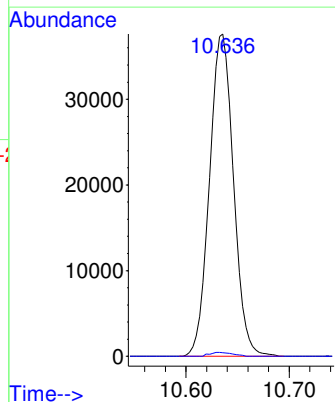
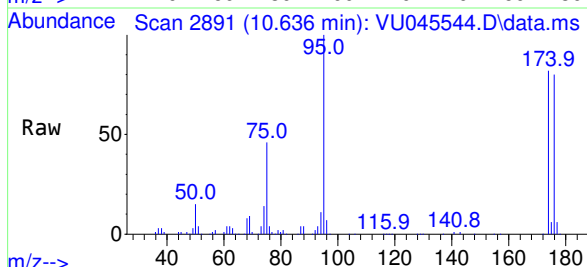
Instrument :
MSVOA_U
ClientSampleId :

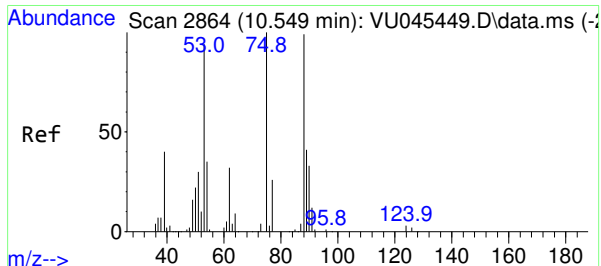
Tgt Ion:	43	Resp:	649
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.9	55.3#
55	0.0	20.6	31.0#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 15.32 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion:	75	Resp:	60867
Ion	Ratio	Lower	Upper
75	100		
77	1.2	17.1	51.3#

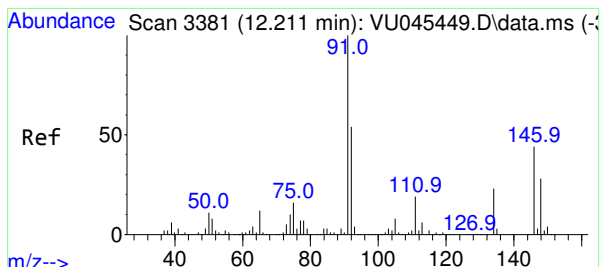
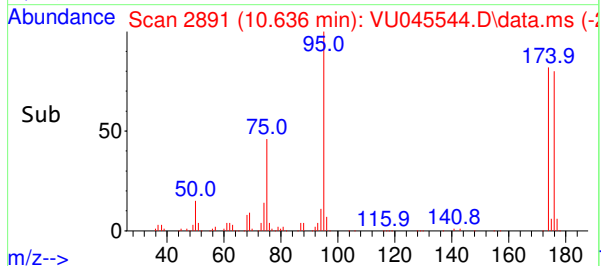
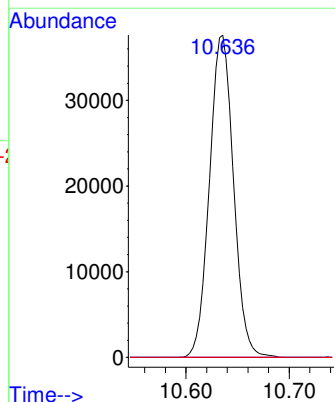
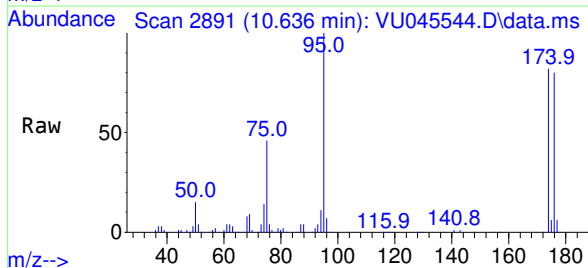




#81
trans-1,4-Dichloro-2-butene
Concen: 43.20 ug/l
RT: 10.636 min Scan# 2
Delta R.T. 0.087 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 60867
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#89
n-Butylbenzene
Concen: 0.95 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU045544.D
Acq: 04 Nov 2021 00:45

Tgt Ion: 91 Resp: 143
Ion Ratio Lower Upper
91 100
92 14.7 27.1 81.2#
134 0.0 11.8 35.4#

