

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110421\
 Data File : VU045539.D
 Acq On : 03 Nov 2021 22:51
 Operator : SY/MD
 Sample : PB140448ZHE#05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 13:54:27 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)

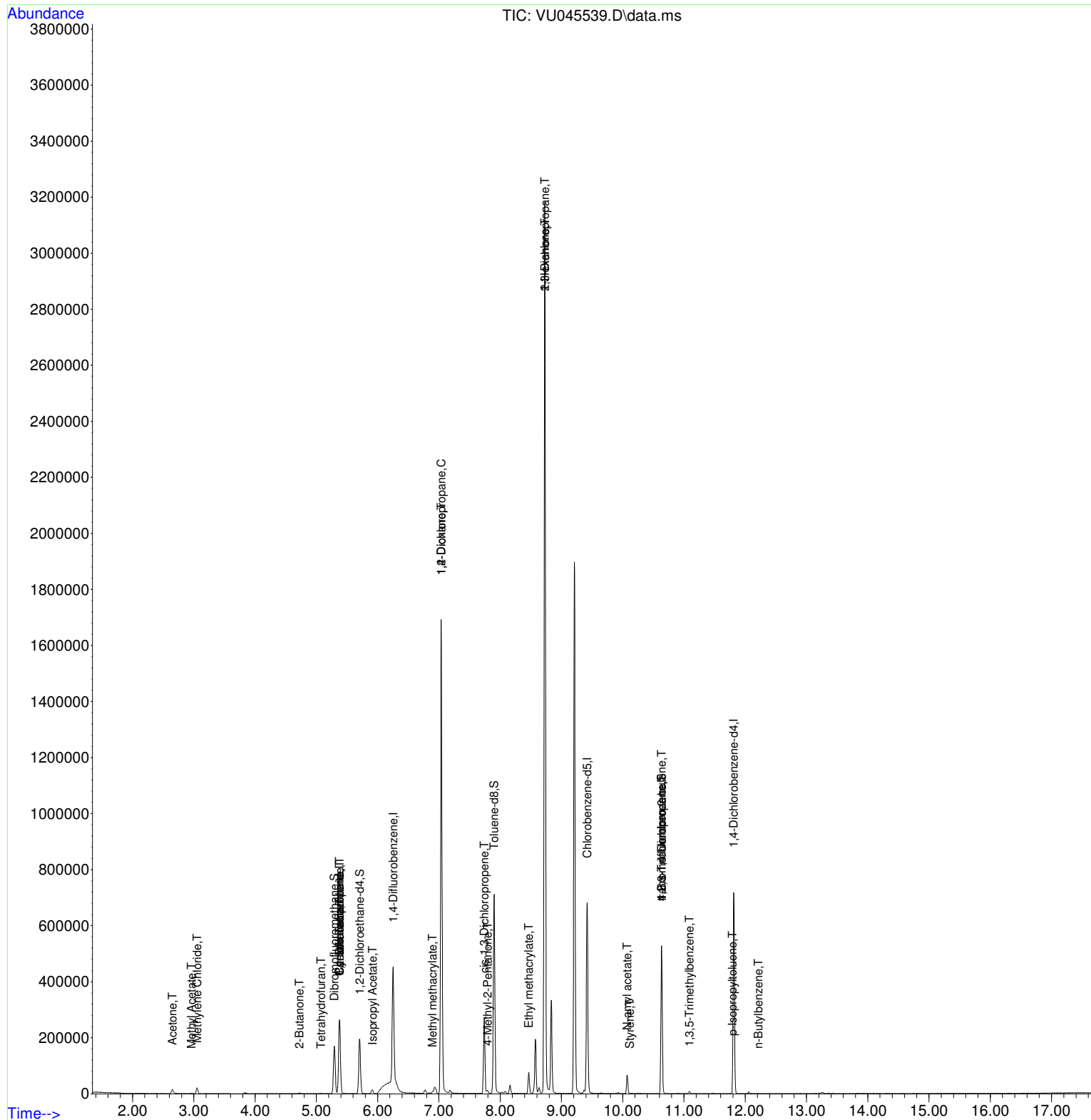
Internal Standards						
1) Pentafluorobenzene	5.378	168	183838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	346171	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	373237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	178409	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	140551	46.96	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.92%			
35) Dibromofluoromethane	5.295	113	110094	50.02	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.04%			
50) Toluene-d8	7.903	98	471523	54.63	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.26%			
62) 4-Bromofluorobenzene	10.636	95	182873	55.60	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.20%			
Target Compounds						
						Qvalue
16) Acetone	2.649	43	24714	18.19	ug/l	97
18) Methyl Acetate	2.957	43	1517	0.30	ug/l #	72
20) Methylene Chloride	3.054	84	10545	3.89	ug/l	93
25) 2-Butanone	4.719	43	4992	2.43	ug/l	95
29) Tetrahydrofuran	5.073	42	776	0.58	ug/l	90
31) Cyclohexane	5.378	56	3945	0.89	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	15644	4.75	ug/l #	49
38) Carbon Tetrachloride	5.375	117	18701	6.51	ug/l #	15
43) Isopropyl Acetate	5.915	43	16495	2.74	ug/l #	95
45) 1,2-Dichloropropane	7.038	63	1806	0.69	ug/l #	43
48) Methyl methacrylate	6.896	41	8425	2.96	ug/l #	13
49) 1,4-Dioxane	7.038	88	255	3.52	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	6740	1.73	ug/l	100
54) cis-1,3-Dichloropropene	7.742	75	50214	12.30	ug/l #	57
56) Ethyl methacrylate	8.465	69	191	1.68	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	32134	7.35	ug/l #	42
59) 2-Hexanone	8.729	43	420802	139.72	ug/l #	48
70) Styrene	10.115	104	163	0.99	ug/l #	52
74) N-amyl acetate	10.073	43	19768	4.25	ug/l #	50
76) 1,2,3-Trichloropropane	10.636	75	92022	19.36	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.089	105	4800	0.47	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.636	75	92022	53.86	ug/l #	12
86) p-Isopropyltoluene	11.790	119	149	0.20	ug/l #	50
89) n-Butylbenzene	12.214	91	533	0.99	ug/l #	89

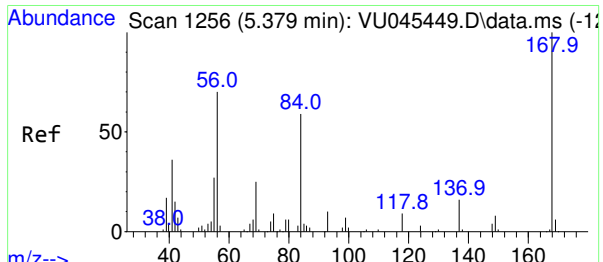
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

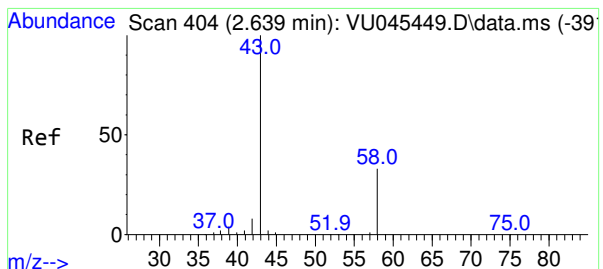
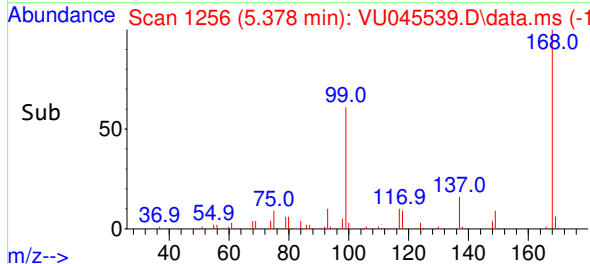
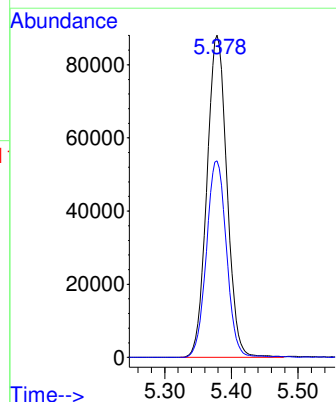
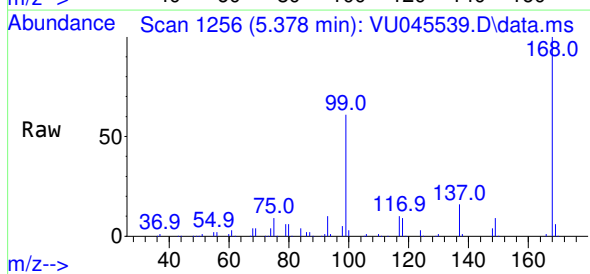




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

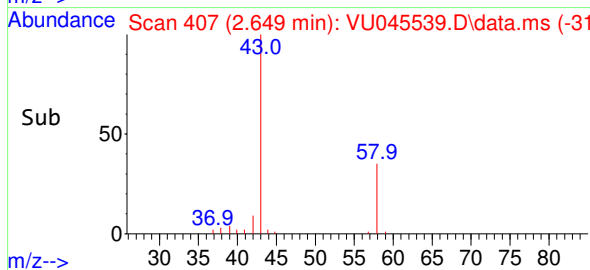
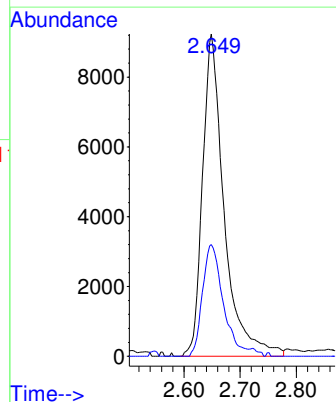
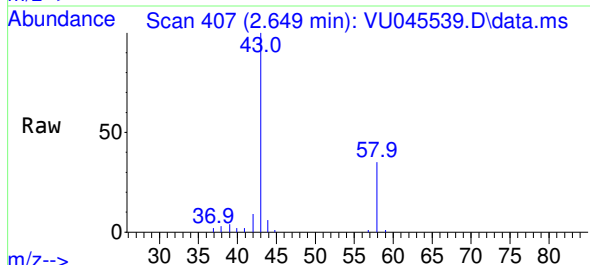
Instrument :
MSVOA_U
ClientSampleId :

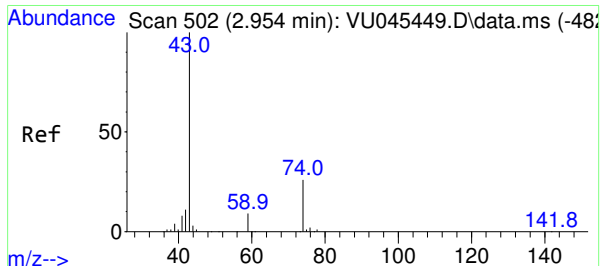
Tgt Ion:168 Resp: 183838
Ion Ratio Lower Upper
168 100
99 61.0 51.0 76.6



#16
Acetone
Concen: 18.19 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.010 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion: 43 Resp: 24714
Ion Ratio Lower Upper
43 100
58 34.6 26.2 39.2

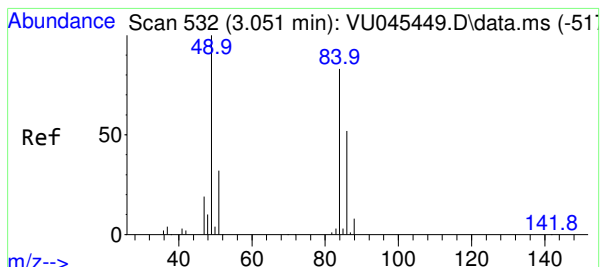
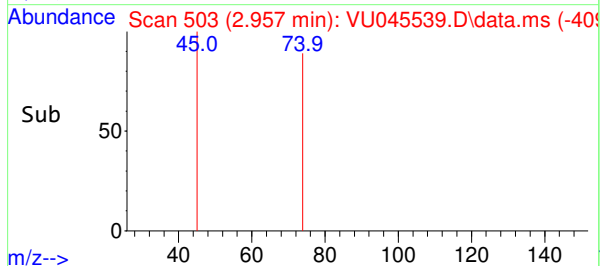
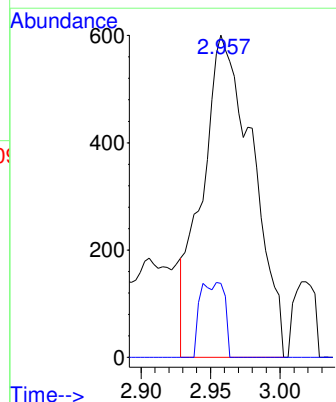
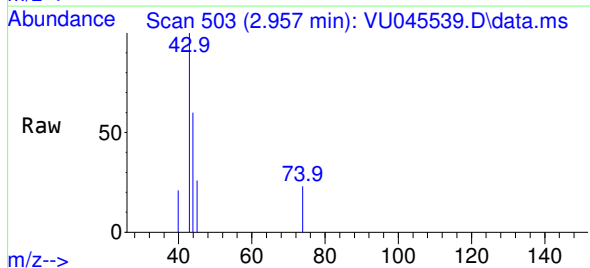




#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 2.957 min Scan# 513
Delta R.T. 0.003 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

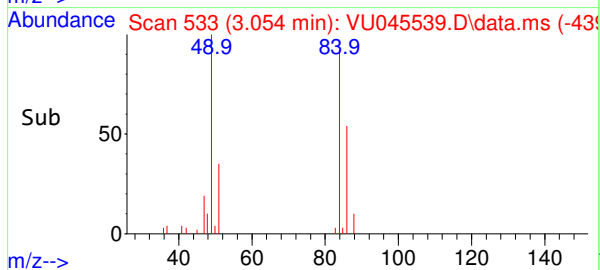
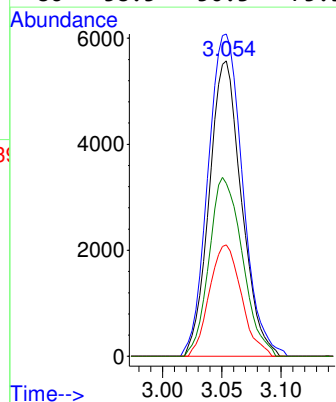
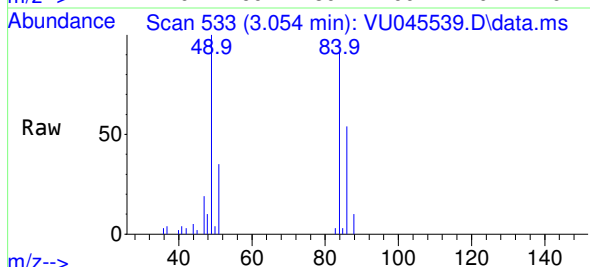
Instrument :
MSVOA_U
ClientSampleId :

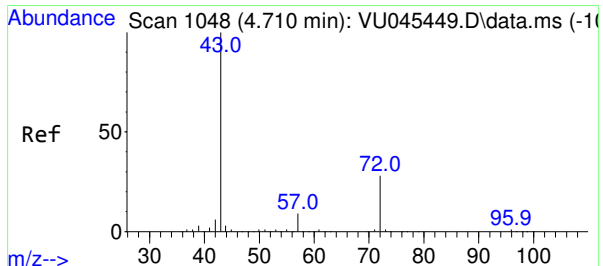
Tgt Ion: 43 Resp: 1517
Ion Ratio Lower Upper
43 100
74 11.3 20.2 30.2#



#20
Methylene Chloride
Concen: 3.89 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion: 84 Resp: 10545
Ion Ratio Lower Upper
84 100
49 109.2 96.4 144.6
51 37.8 30.5 45.7
86 58.5 50.3 75.5

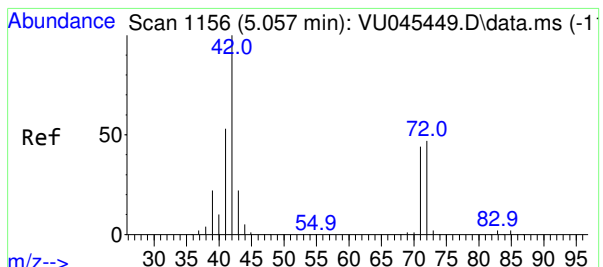
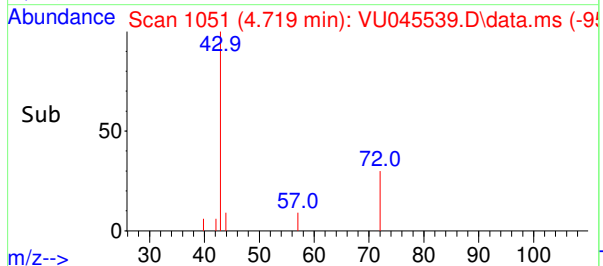
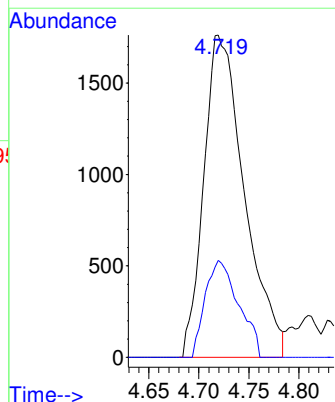
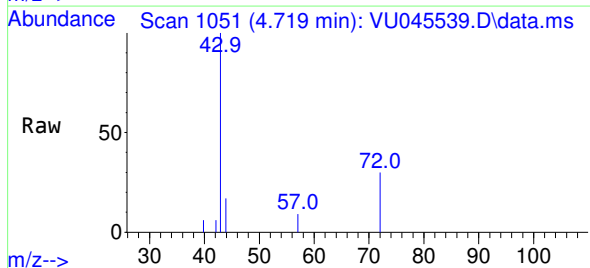




#25
2-Butanone
Concen: 2.43 ug/l
RT: 4.719 min Scan# 1161
Delta R.T. 0.010 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

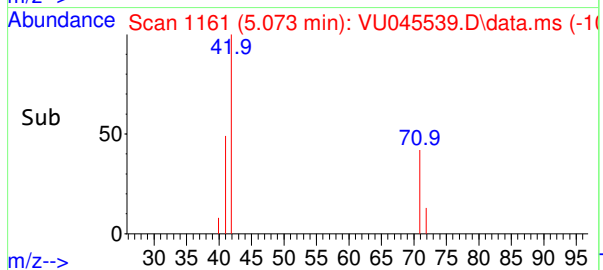
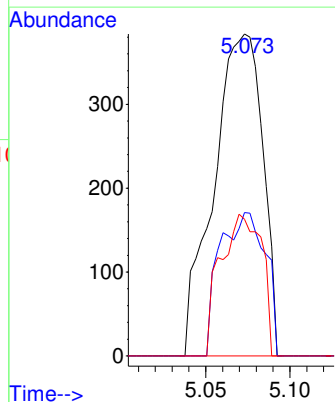
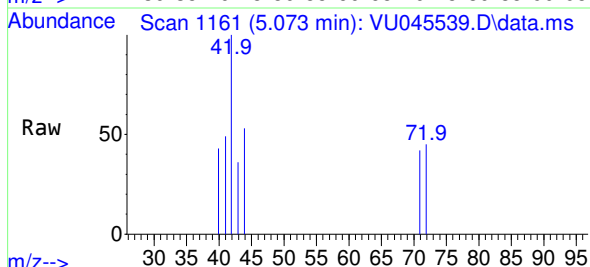
Instrument :
MSVOA_U
ClientSampleId :

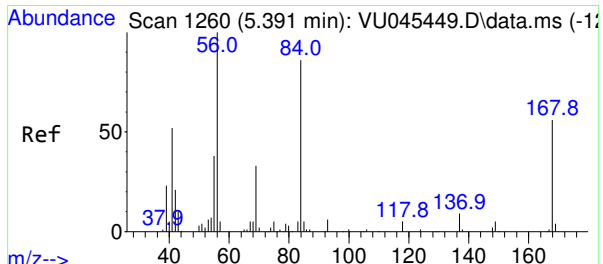
Tgt Ion: 43 Resp: 4992
Ion Ratio Lower Upper
43 100
72 30.1 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.58 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.016 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion: 42 Resp: 776
Ion Ratio Lower Upper
42 100
72 41.2 38.2 57.4
71 37.0 35.4 53.2

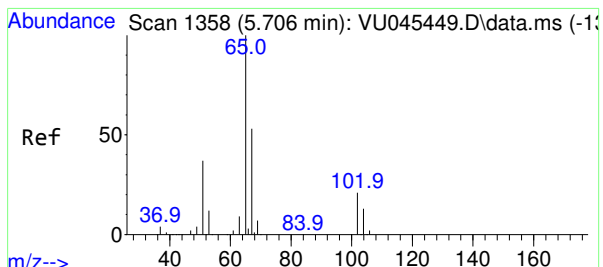
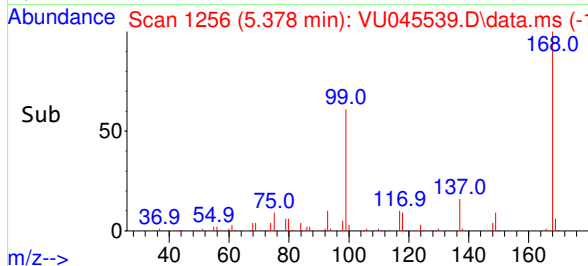
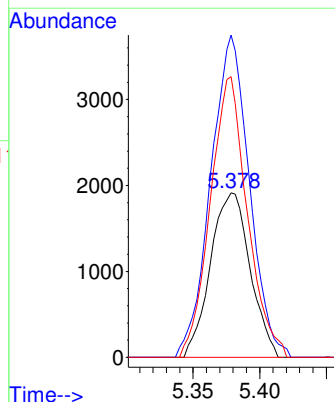
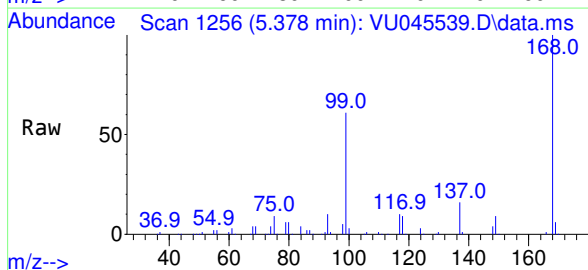




#31
Cyclohexane
Concen: 0.89 ug/l
RT: 5.378 min Scan# 1
Delta R.T. -0.013 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

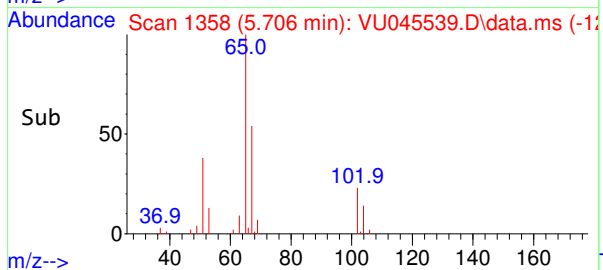
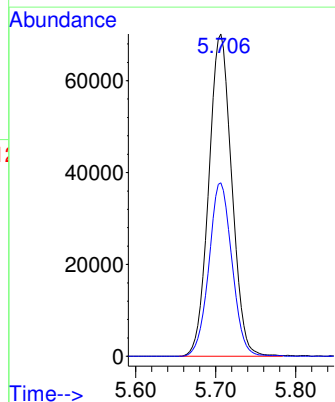
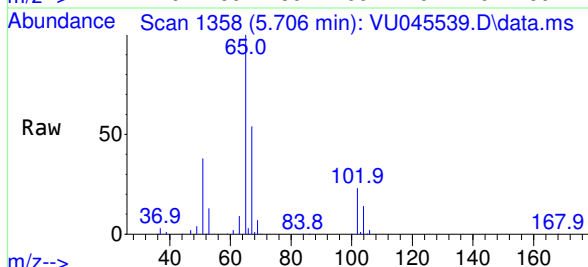
Instrument :
MSVOA_U
ClientSampleId :

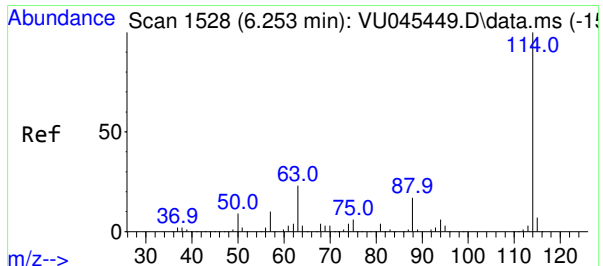
Tgt Ion: 56 Resp: 3945
Ion Ratio Lower Upper
56 100
69 189.9 26.4 39.6#
84 170.7 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 46.96 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion: 65 Resp: 140551
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.8

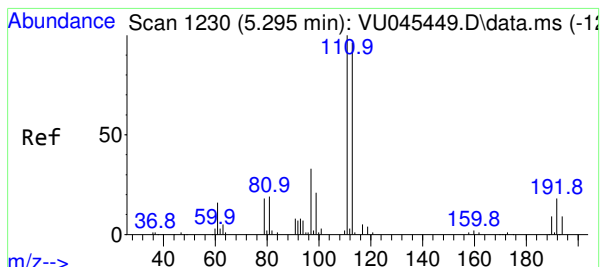
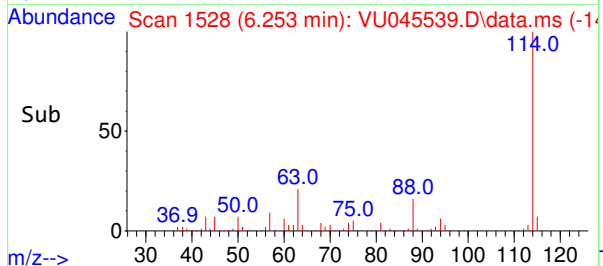
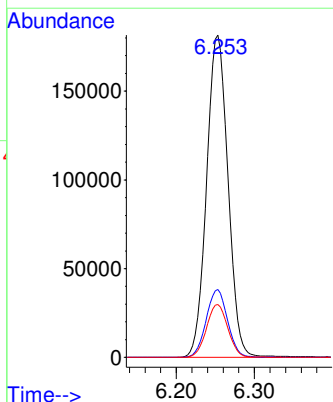
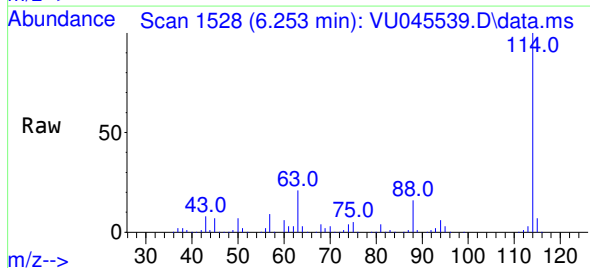




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

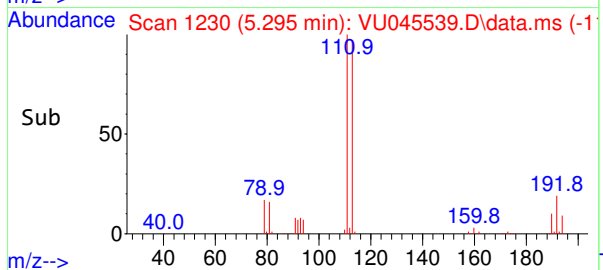
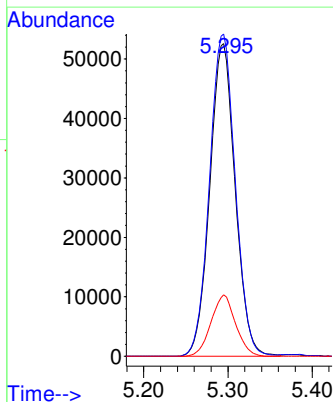
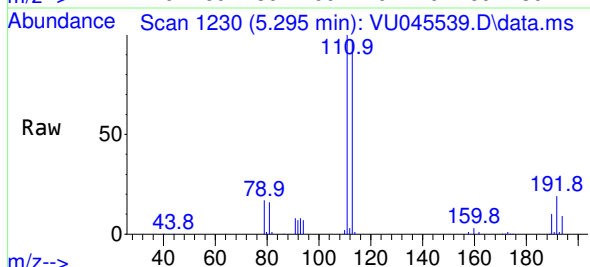
Instrument :
MSVOA_U
ClientSampleId :

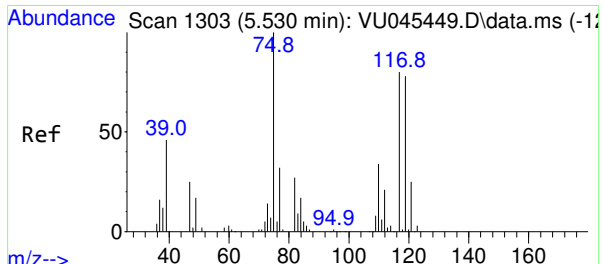
Tgt Ion:114	Resp:	346171
Ion	Ratio	Lower Upper
114	100	
63	21.0	0.0 45.6
88	16.4	0.0 33.8



#35
Dibromofluoromethane
Concen: 50.02 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion:113	Resp:	110094
Ion	Ratio	Lower Upper
113	100	
111	104.5	82.8 124.2
192	19.0	14.8 22.2

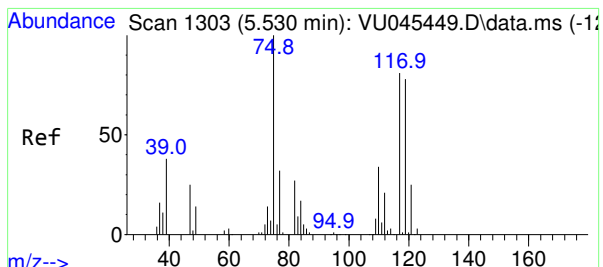
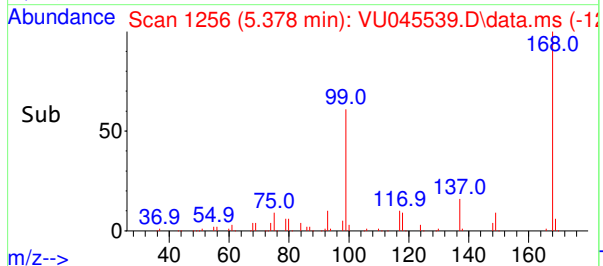
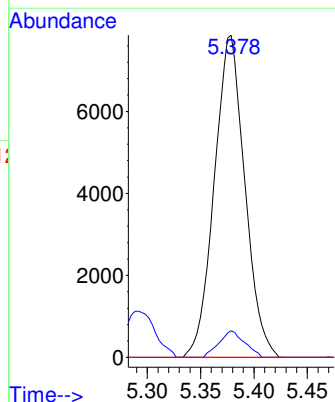
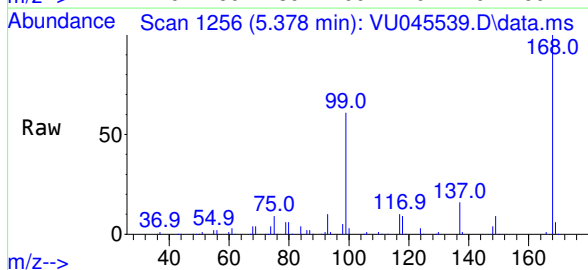




#36
1,1-Dichloropropene
Concen: 4.75 ug/l
RT: 5.378 min Scan# 1
Delta R.T. -0.151 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

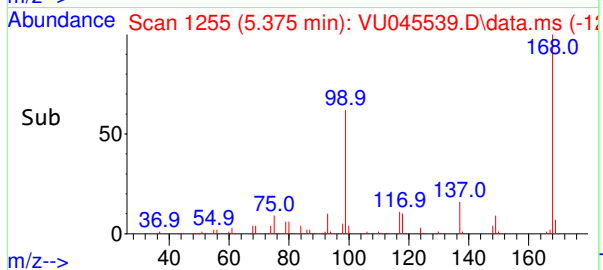
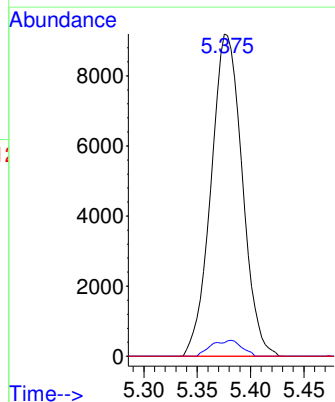
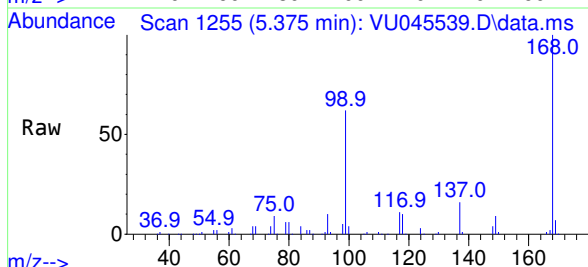
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ClientSampleId :

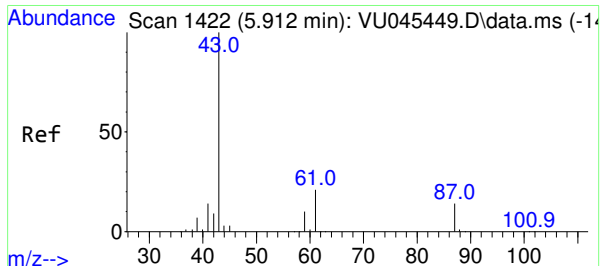
Tgt Ion: 75 Resp: 15644
Ion Ratio Lower Upper
75 100
110 7.0 16.7 50.0#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.51 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion: 117 Resp: 18701
Ion Ratio Lower Upper
117 100
119 4.2 77.4 116.0#
121 0.0 24.8 37.2#

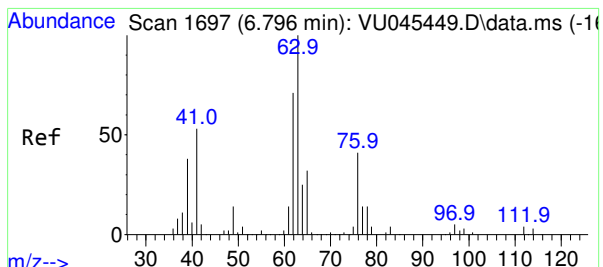
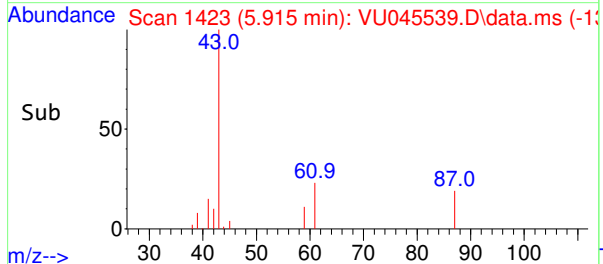
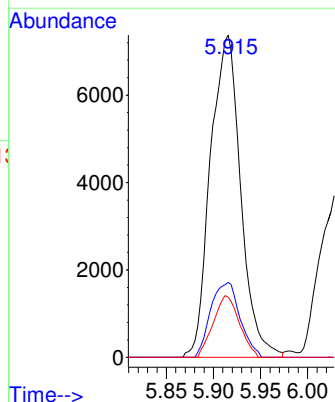
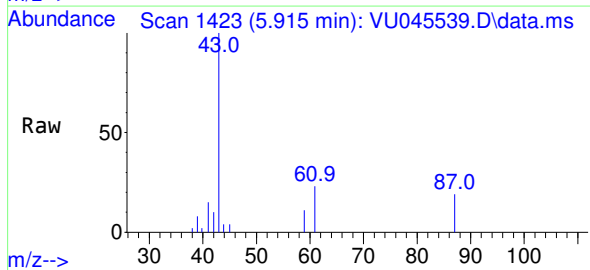




#43
Isopropyl Acetate
Concen: 2.74 ug/l
RT: 5.915 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

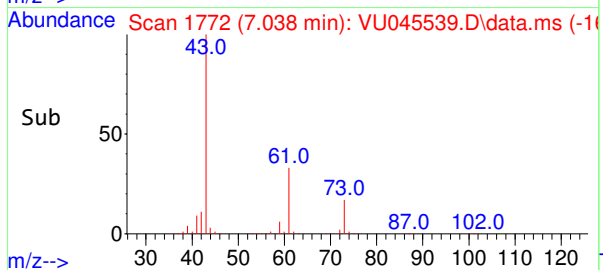
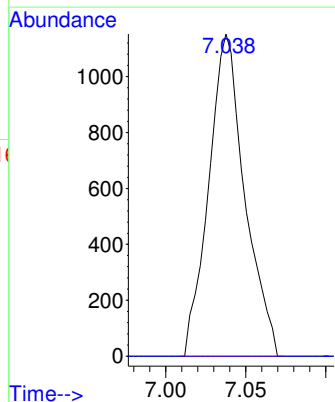
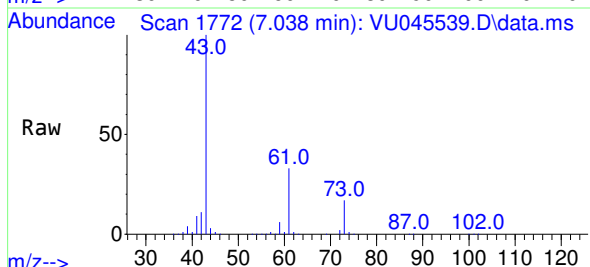
Instrument :
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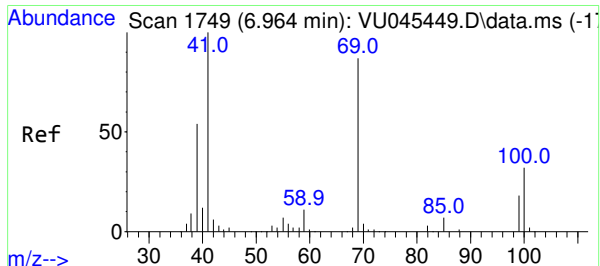
Tgt Ion: 43 Resp: 16495
Ion Ratio Lower Upper
43 100
61 22.5 16.9 25.3
87 16.5 11.0 16.4#



#45
1,2-Dichloropropane
Concen: 0.69 ug/l
RT: 7.038 min Scan# 1772
Delta R.T. 0.241 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion: 63 Resp: 1806
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

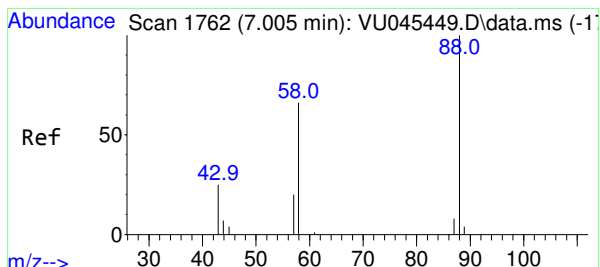
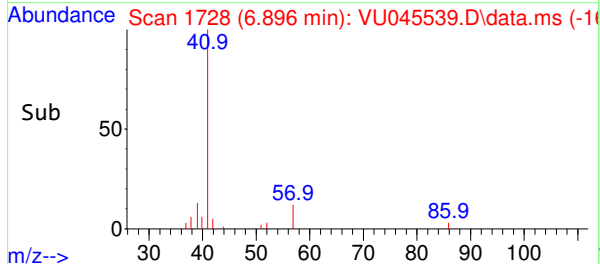
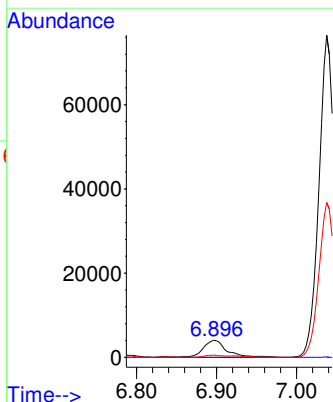
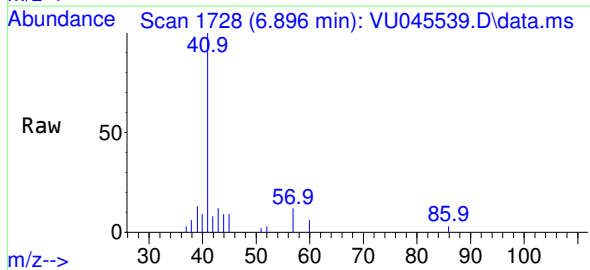




#48
Methyl methacrylate
Concen: 2.96 ug/l
RT: 6.896 min Scan# 1
Delta R.T. -0.068 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

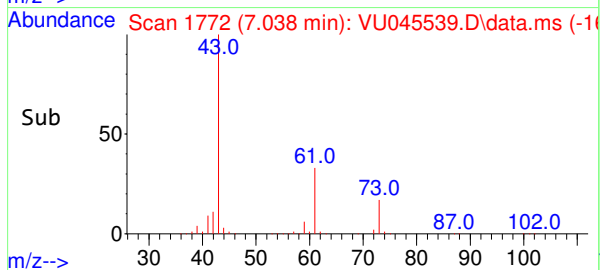
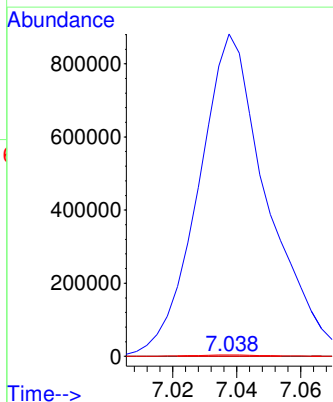
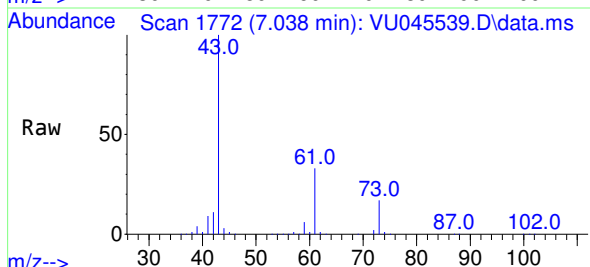
Instrument :
MSVOA_U
ClientSampleId :

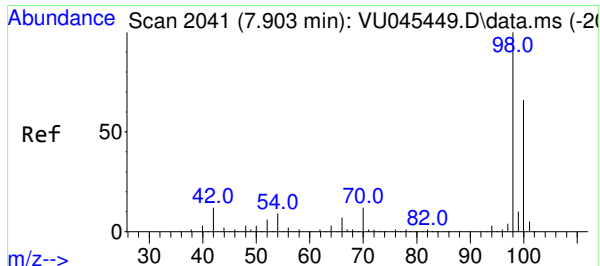
Tgt Ion: 41 Resp: 8425
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 0.0 43.9 65.9#



#49
1,4-Dioxane
Concen: 3.52 ug/l
RT: 7.038 min Scan# 1772
Delta R.T. 0.032 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion: 88 Resp: 255
Ion Ratio Lower Upper
88 100
43 530356.5 0.0 0.0#
58 2474.5 58.7 88.1#

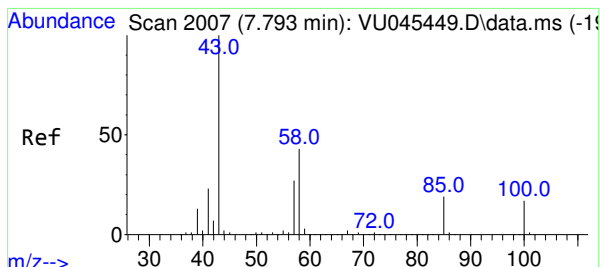
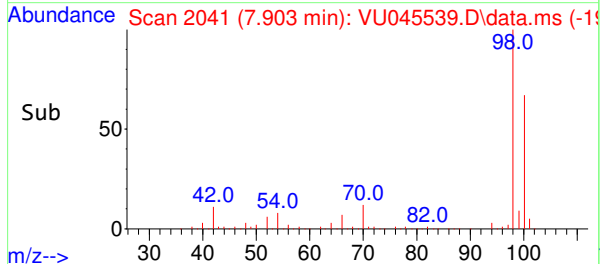
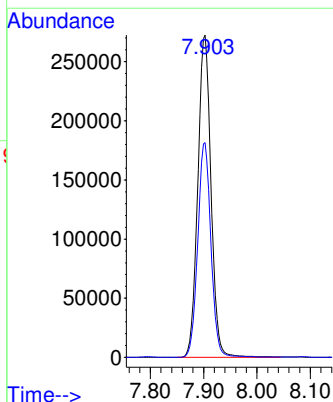
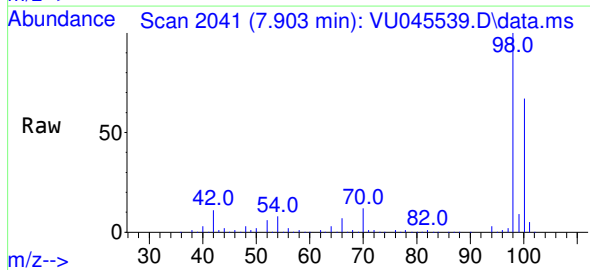




#50
Toluene-d8
Concen: 54.63 ug/l
RT: 7.903 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

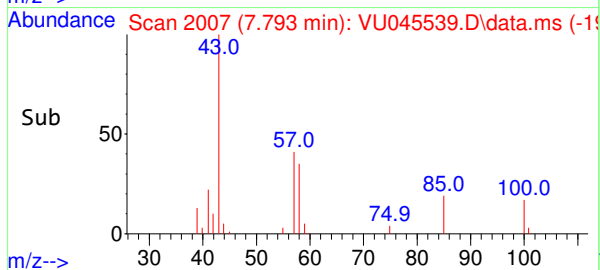
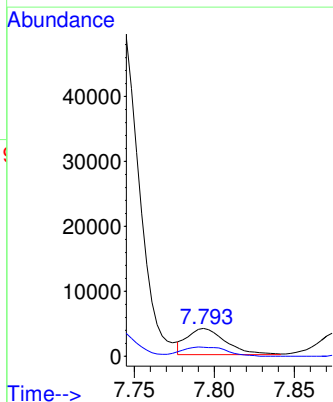
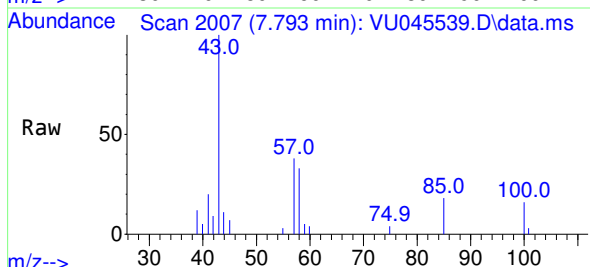
Instrument :
MSVOA_U
ClientSampleId :

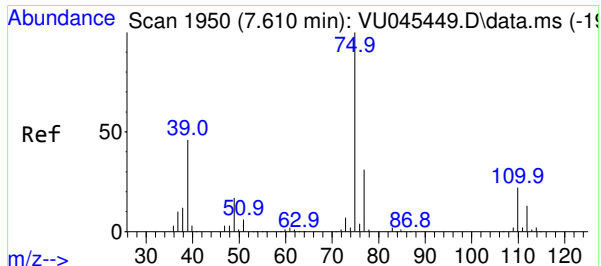
Tgt Ion: 98 Resp: 471523
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.73 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.000 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion: 43 Resp: 6740
Ion Ratio Lower Upper
43 100
58 42.4 33.8 50.8

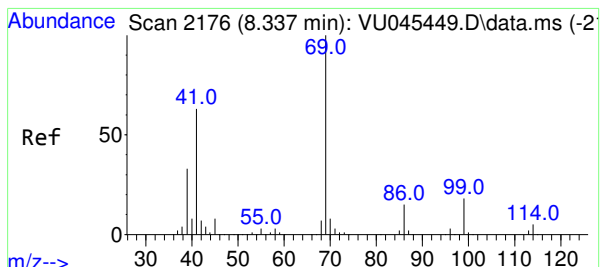
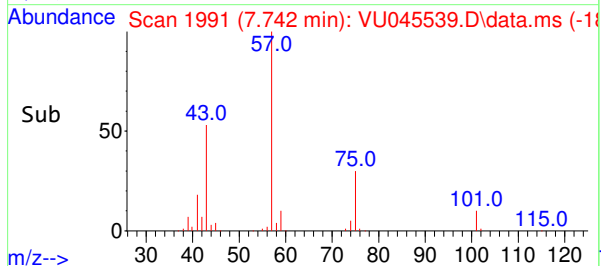
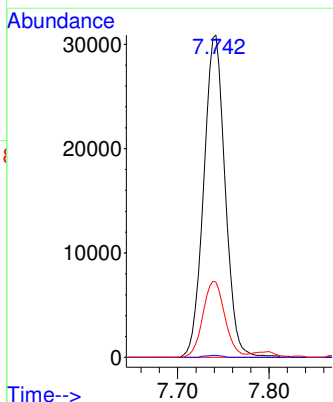
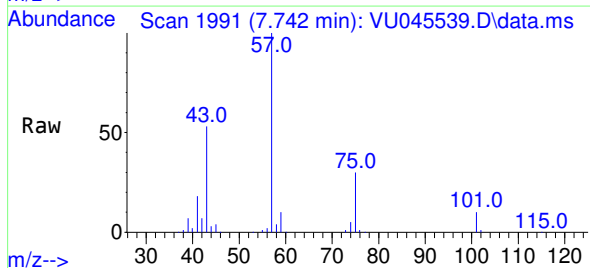




#54
 cis-1,3-Dichloropropene
 Concen: 12.30 ug/l
 RT: 7.742 min Scan# 1
 Delta R.T. 0.132 min
 Lab File: VU045539.D
 Acq: 03 Nov 2021 22:51

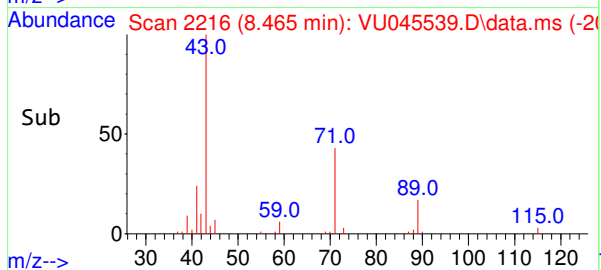
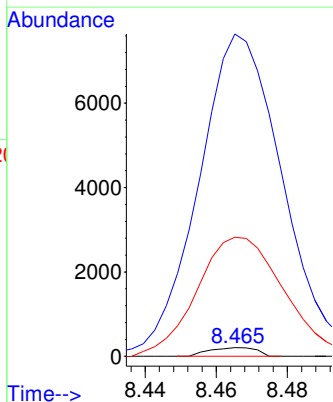
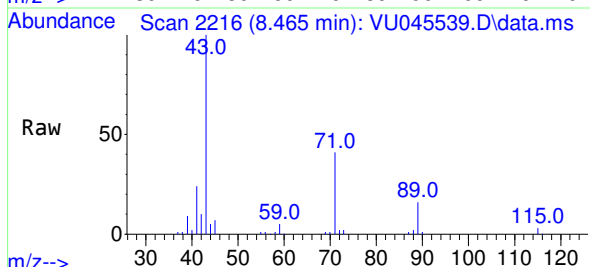
Instrument :
 MSVOA_U
 ClientSampleId :

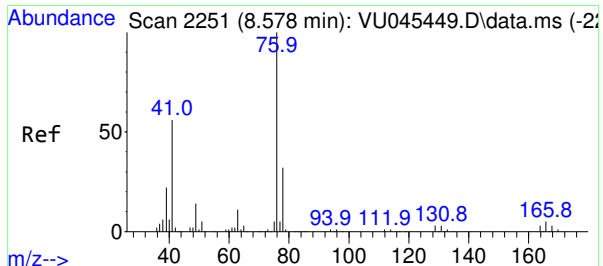
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.6	24.6	37.0#
39	23.4	37.1	55.7#



#56
 Ethyl methacrylate
 Concen: 1.68 ug/l
 RT: 8.465 min Scan# 2216
 Delta R.T. 0.128 min
 Lab File: VU045539.D
 Acq: 03 Nov 2021 22:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	6663.9	51.0	76.4#
39	2579.1	26.6	39.8#

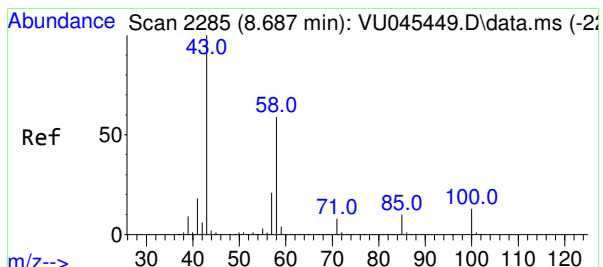
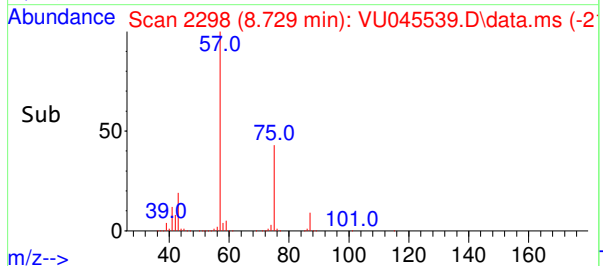
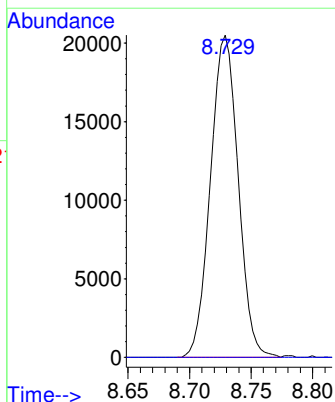
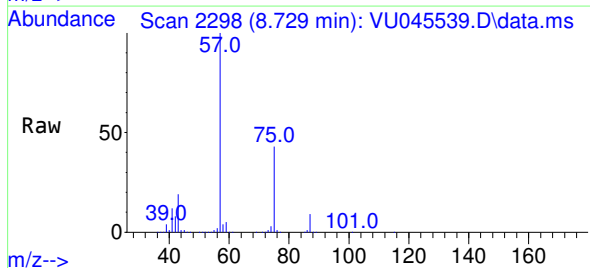




#57
1,3-Dichloropropane
Concen: 7.35 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

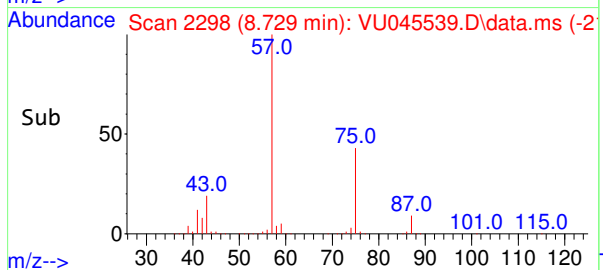
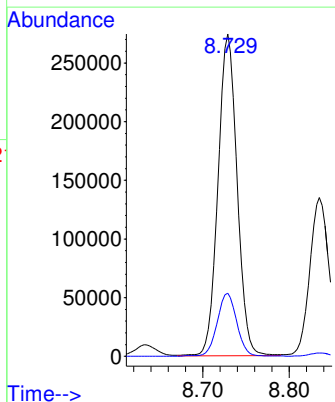
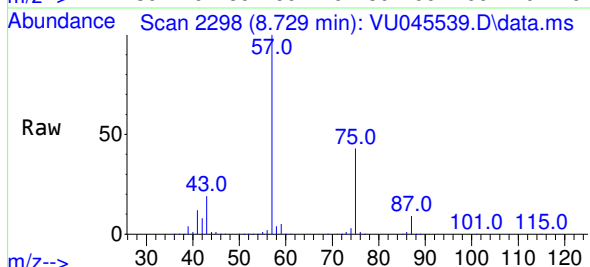
Instrument :
MSVOA_U
ClientSampleId :

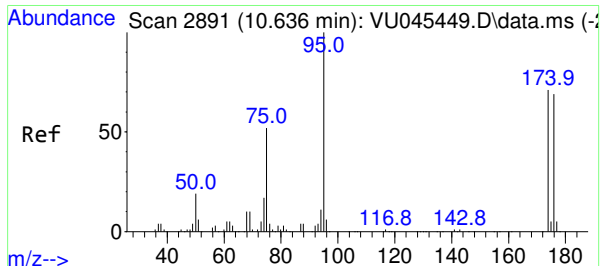
Tgt Ion: 76 Resp: 32134
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 139.72 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.042 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion: 43 Resp: 420802
Ion Ratio Lower Upper
43 100
58 20.3 29.5 88.6#

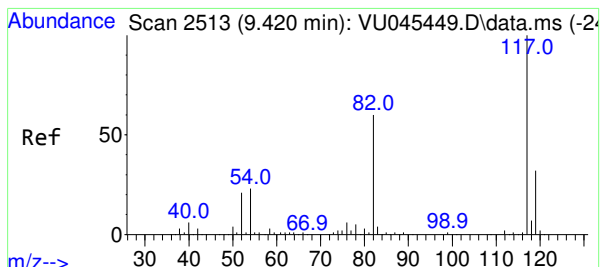
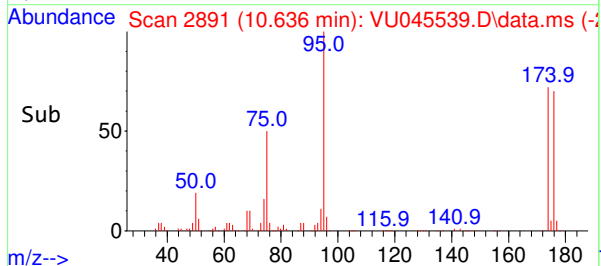
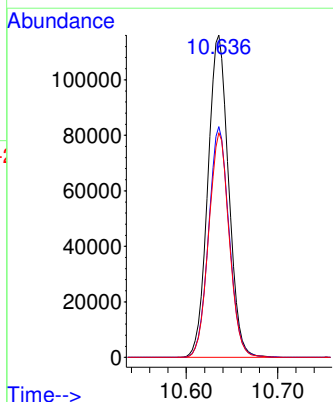
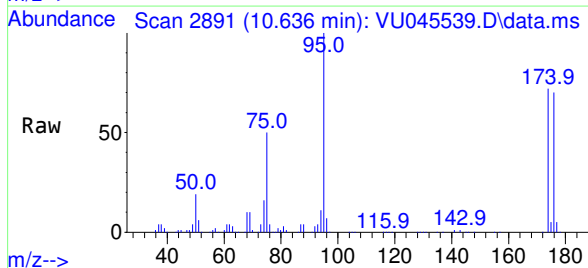




#62
4-Bromofluorobenzene
Concen: 55.60 ug/l
RT: 10.636 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

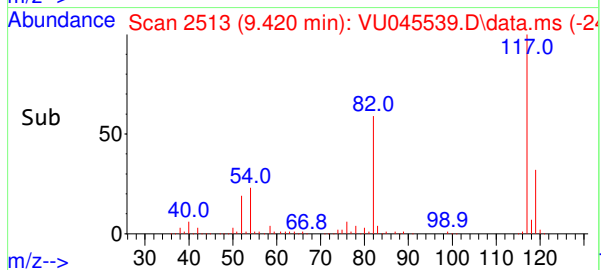
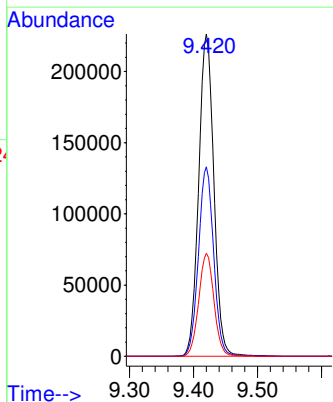
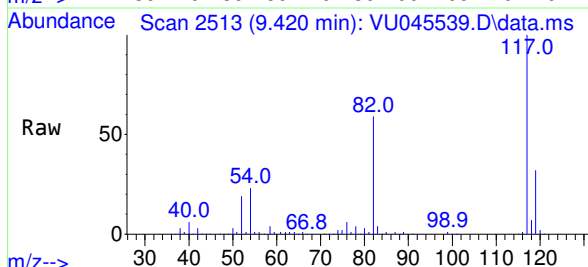
Instrument :
MSVOA_U
ClientSampleId :

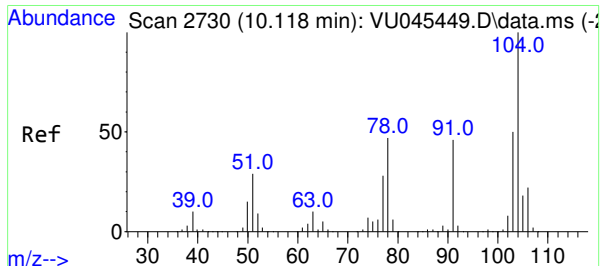
Tgt Ion:	95	Resp:	182873
Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	141.8
176	69.0	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion:	117	Resp:	373237
Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.8	71.8
119	32.0	25.8	38.8

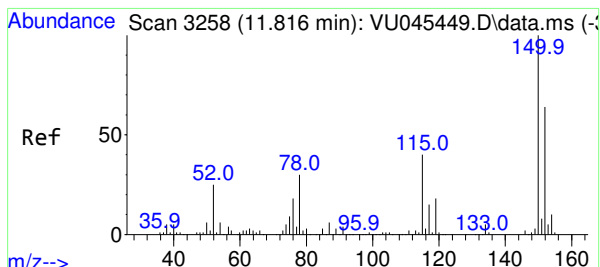
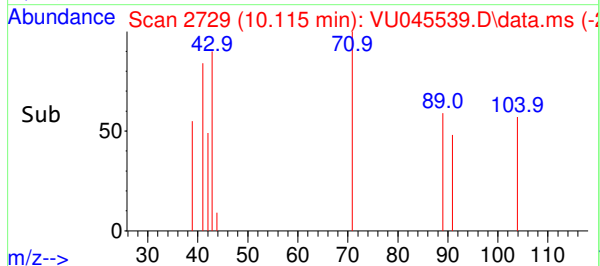
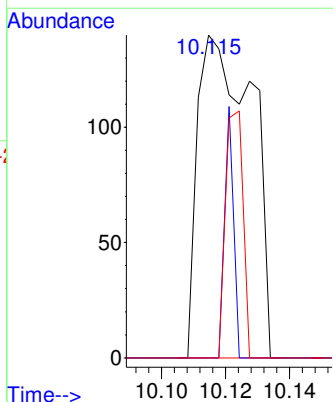
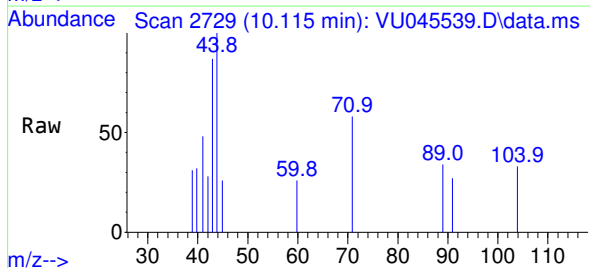




#70
Styrene
Concen: 0.99 ug/l
RT: 10.115 min Scan# 2
Delta R.T. -0.003 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

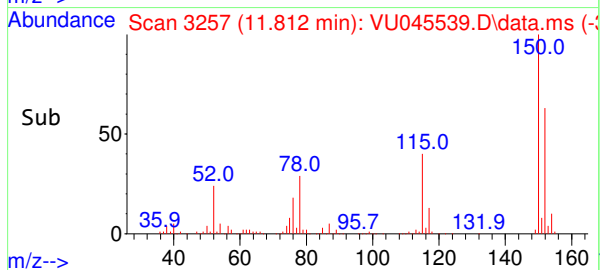
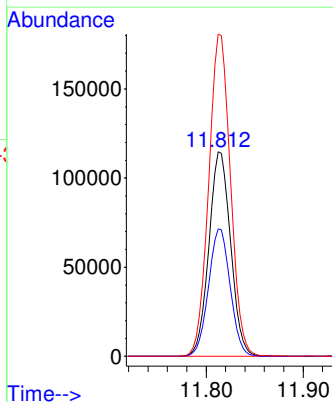
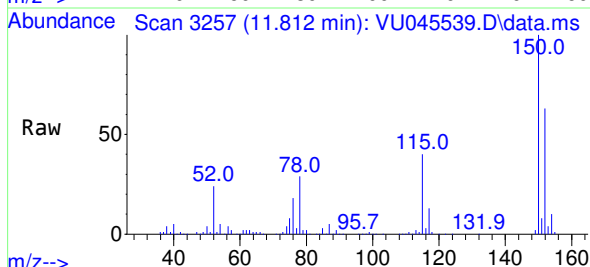
Instrument :
MSVOA_U
ClientSampleId :

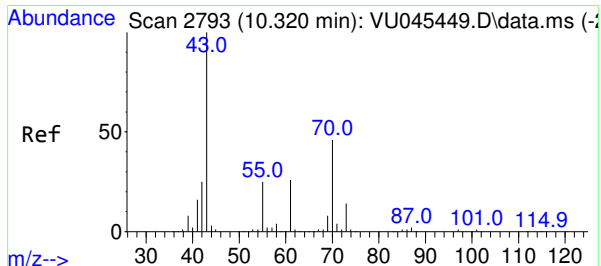
Tgt Ion:104 Resp: 163
Ion Ratio Lower Upper
104 100
78 12.9 41.8 62.6#
103 25.2 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.003 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion:152 Resp: 178409
Ion Ratio Lower Upper
152 100
115 62.2 42.7 128.1
150 157.8 0.0 346.8

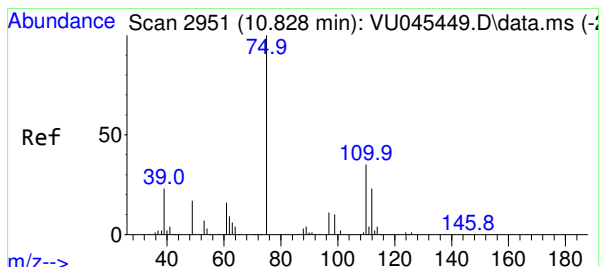
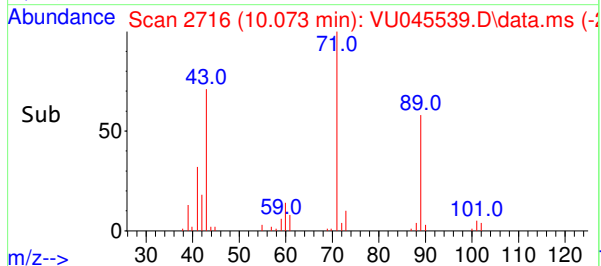
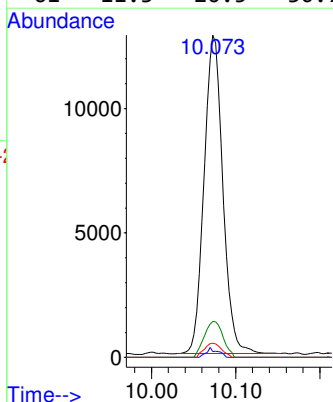
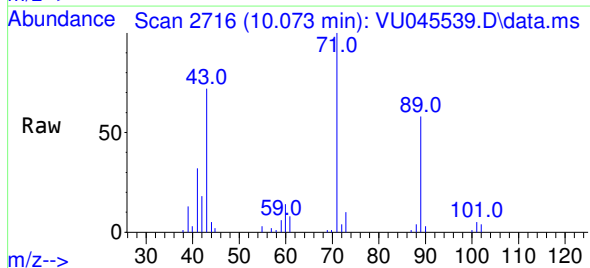




#74
N-amy1 acetate
Concen: 4.25 ug/l
RT: 10.073 min Scan# 21
Delta R.T. -0.247 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

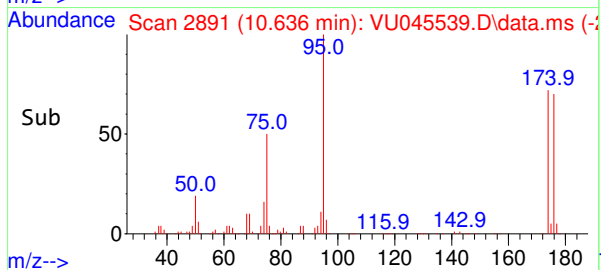
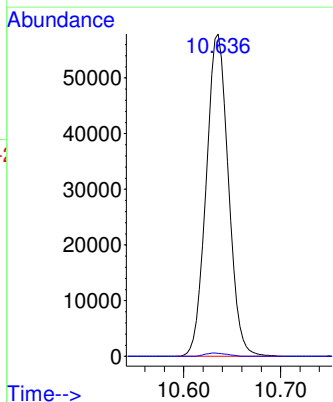
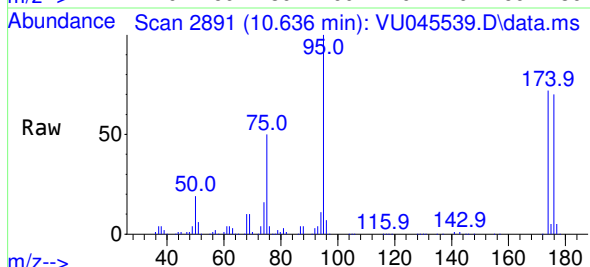
Instrument :
MSVOA_U
ClientSampleId :

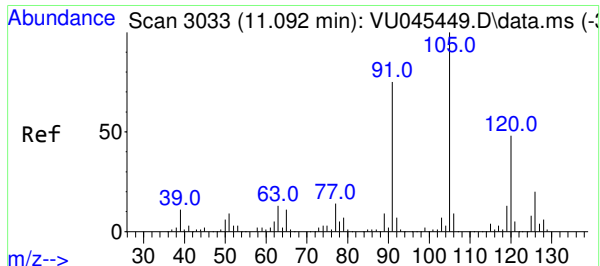
Tgt Ion:	43	Resp:	19768
Ion	Ratio	Lower	Upper
43	100		
70	1.9	36.9	55.3#
55	4.1	20.6	31.0#
61	11.3	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 19.36 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion:	75	Resp:	92022
Ion	Ratio	Lower	Upper
75	100		
77	1.0	17.1	51.3#

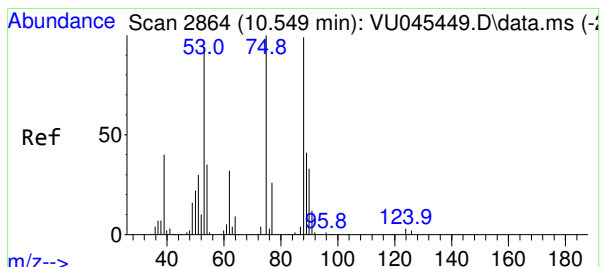
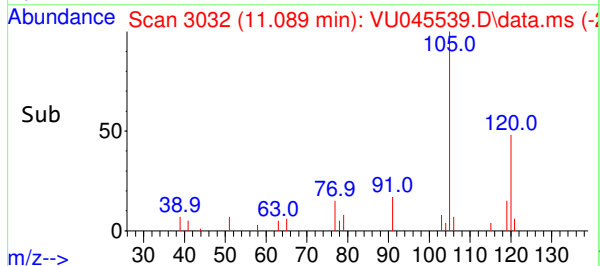
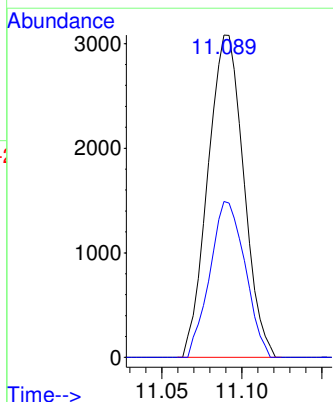
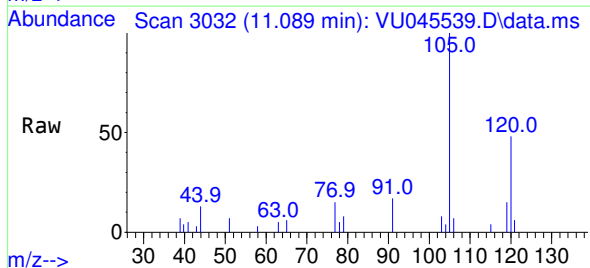




#80
1,3,5-Trimethylbenzene
Concen: 0.47 ug/l
RT: 11.089 min Scan# 3
Delta R.T. -0.003 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

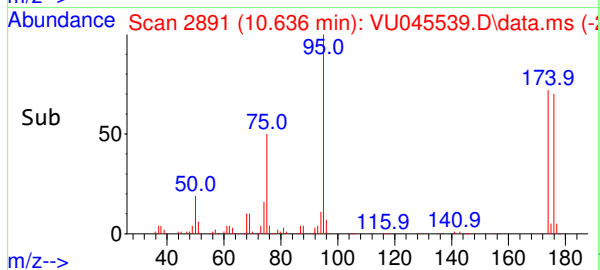
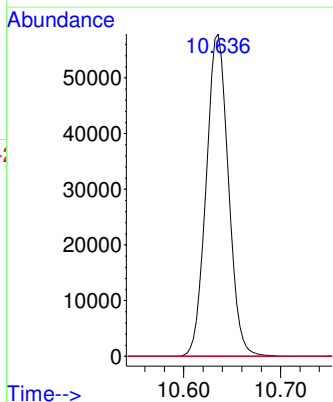
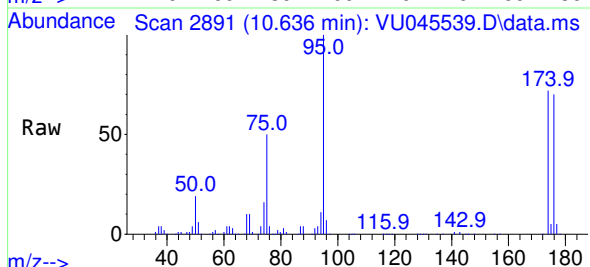
Instrument :
MSVOA_U
ClientSampleId :

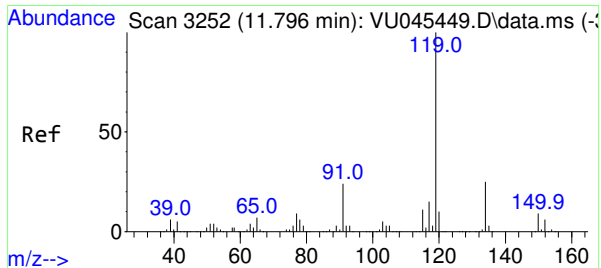
Tgt Ion: 105 Resp: 4800
Ion Ratio Lower Upper
105 100
120 47.5 23.9 71.8



#81
trans-1,4-Dichloro-2-butene
Concen: 53.86 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion: 75 Resp: 92022
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

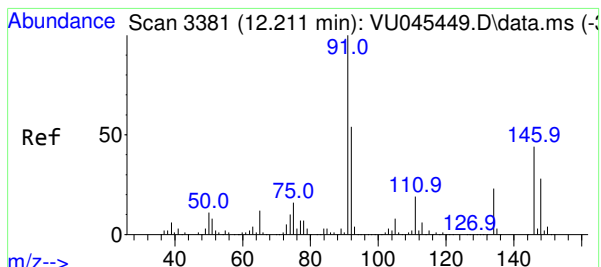
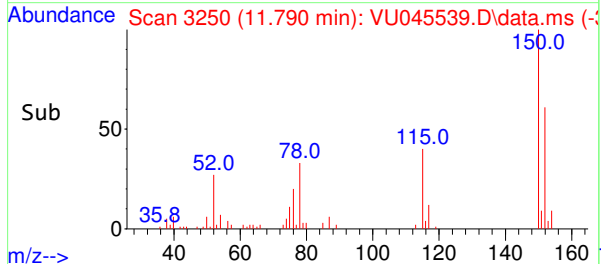
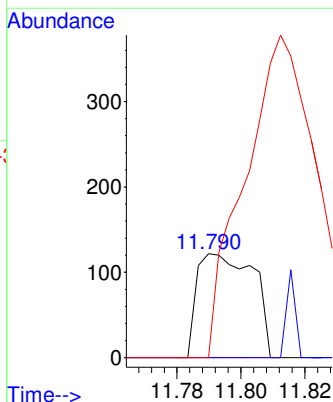
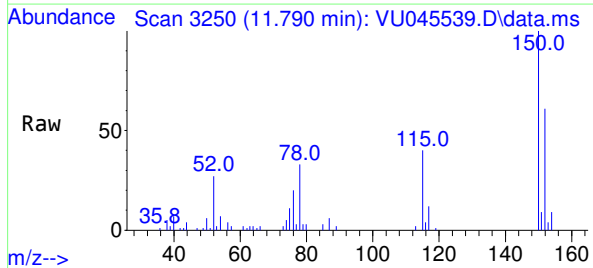




#86
p-Isopropyltoluene
Concen: 0.20 ug/l
RT: 11.790 min Scan# 3
Delta R.T. -0.006 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	119	Resp:	149
Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.7	38.1#
91	0.0	12.2	36.4#



#89
n-Butylbenzene
Concen: 0.99 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU045539.D
Acq: 03 Nov 2021 22:51

Tgt Ion:	91	Resp:	533
Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.1	81.2
134	7.9	11.8	35.4#

