

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110421\
 Data File : VU045537.D
 Acq On : 03 Nov 2021 22:05
 Operator : SY/MD
 Sample : PB140448ZHE#03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 13:54:06 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)

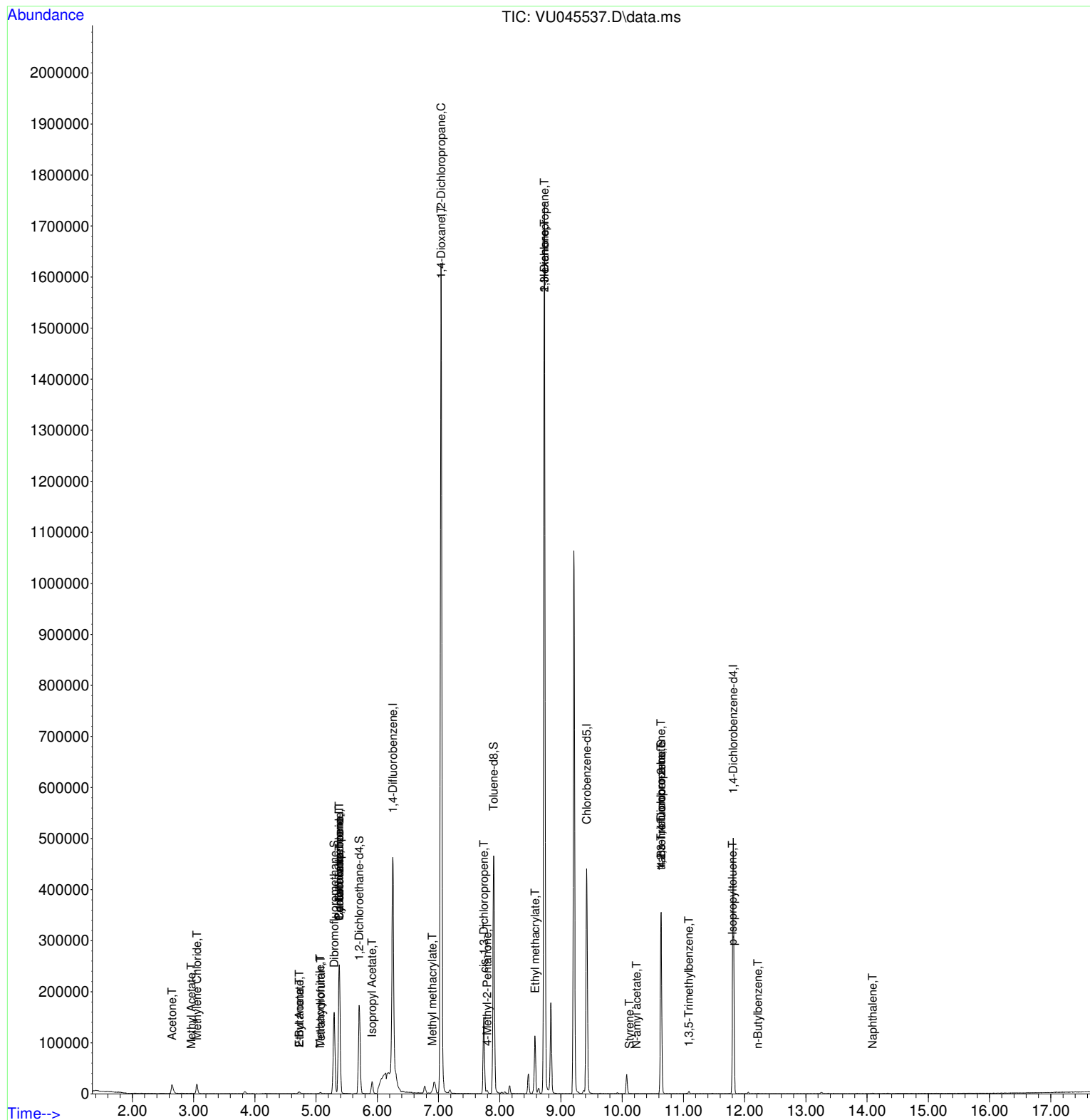
Internal Standards						
1) Pentafluorobenzene	5.379	168	174447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	352952	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	270545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	139593	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	123264	43.40	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.80%		
35) Dibromofluoromethane	5.295	113	105232	46.89	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.78%		
50) Toluene-d8	7.900	98	323643	36.78	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	73.56%#		
62) 4-Bromofluorobenzene	10.636	95	124321	37.07	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	74.14%#		
Target Compounds						
					Qvalue	
16) Acetone	2.646	43	27914	21.65	ug/l	96
18) Methyl Acetate	2.961	43	1314	0.27	ug/l #	50
20) Methylene Chloride	3.054	84	9705	3.78	ug/l	93
25) 2-Butanone	4.723	43	6626	3.40	ug/l	97
29) Tetrahydrofuran	5.073	42	1891	1.50	ug/l	89
31) Cyclohexane	5.379	56	3747	0.89	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	14785	4.40	ug/l #	49
37) Ethyl Acetate	4.723	43	6626	1.63	ug/l #	67
38) Carbon Tetrachloride	5.379	117	17637	6.02	ug/l #	15
41) Methacrylonitrile	5.064	41	941	0.44	ug/l #	32
43) Isopropyl Acetate	5.912	43	25465	4.15	ug/l	98
45) 1,2-Dichloropropane	7.041	63	2047	0.77	ug/l #	43
48) Methyl methacrylate	6.896	41	8089	2.78	ug/l #	13
49) 1,4-Dioxane	7.038	88	332	4.49	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	4220	1.06	ug/l	98
54) cis-1,3-Dichloropropene	7.739	75	31278	7.51	ug/l #	55
56) Ethyl methacrylate	8.578	69	621	1.77	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	19837	4.45	ug/l #	42
59) 2-Hexanone	8.729	43	205089	66.79	ug/l #	51
70) Styrene	10.115	104	166	1.00	ug/l #	54
74) N-amyl acetate	10.234	43	397	1.23	ug/l #	40
76) 1,2,3-Trichloropropane	10.633	75	56634	15.23	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.086	105	3181	0.40	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.633	75	56634	42.94	ug/l #	12
86) p-Isopropyltoluene	11.800	119	386	0.23	ug/l #	21
89) n-Butylbenzene	12.214	91	532	1.00	ug/l	80
95) Naphthalene	14.089	128	1303	0.21	ug/l #	73

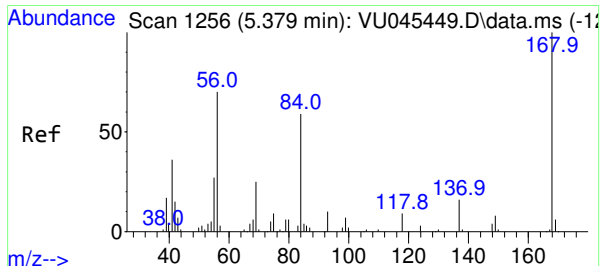
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 29 11:09:42 2021
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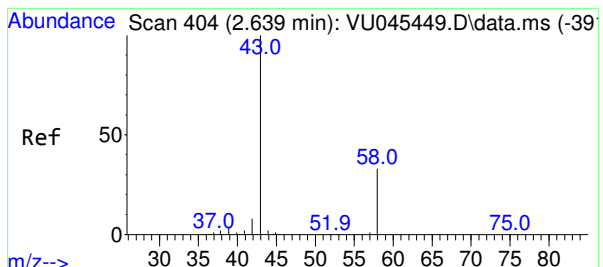
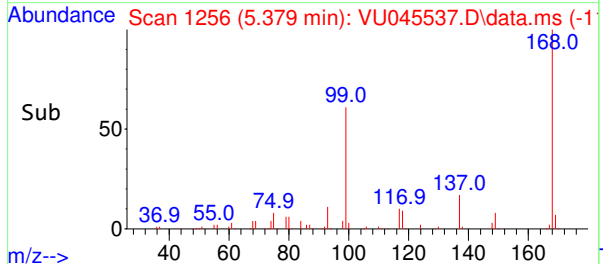
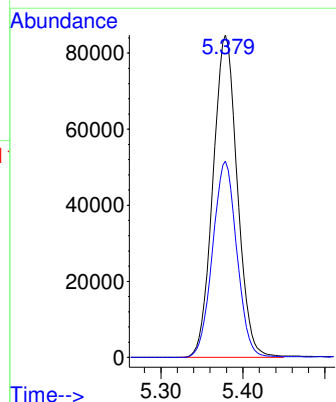
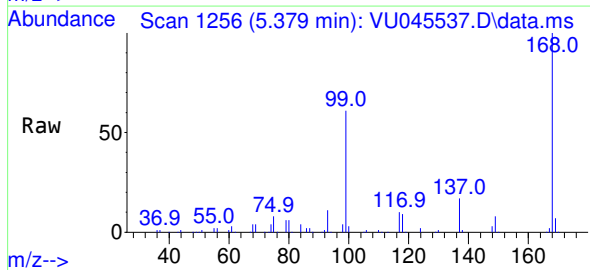




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

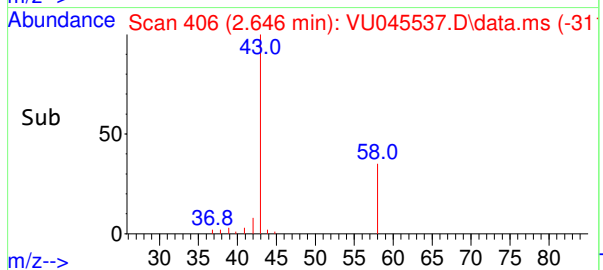
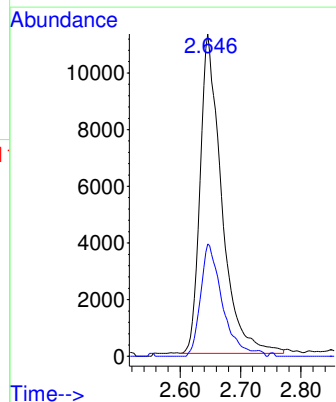
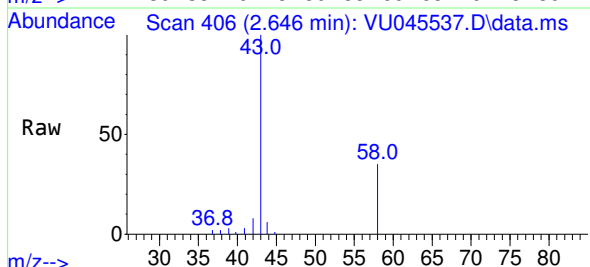
Instrument :
MSVOA_U
ClientSampleId :

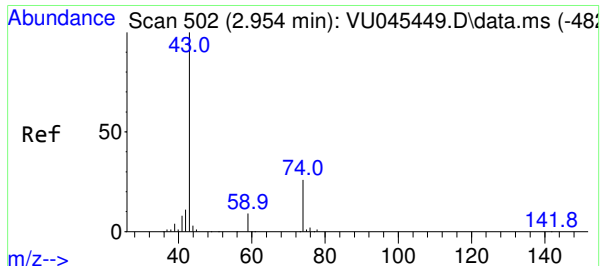
Tgt Ion:168 Resp: 174447
Ion Ratio Lower Upper
168 100
99 60.8 51.0 76.6



#16
Acetone
Concen: 21.65 ug/l
RT: 2.646 min Scan# 406
Delta R.T. 0.007 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion: 43 Resp: 27914
Ion Ratio Lower Upper
43 100
58 35.2 26.2 39.2

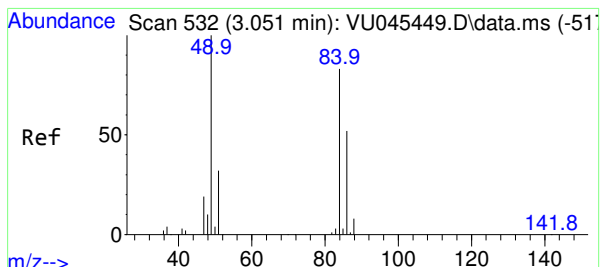
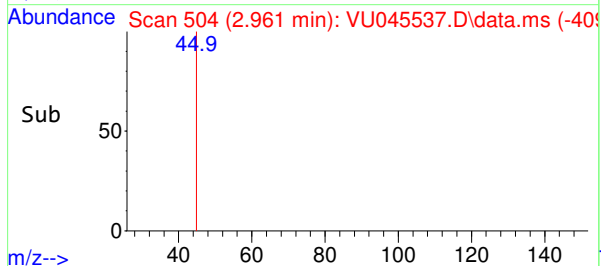
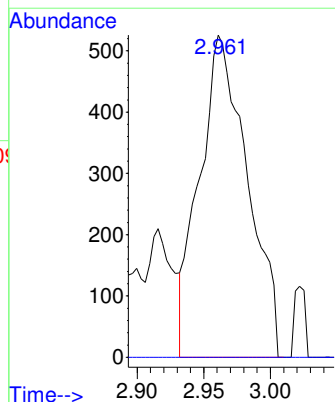
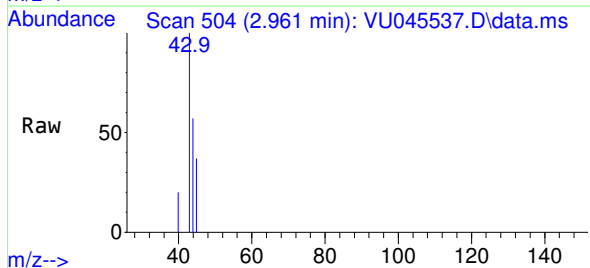




#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.961 min Scan# 513
Delta R.T. 0.007 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

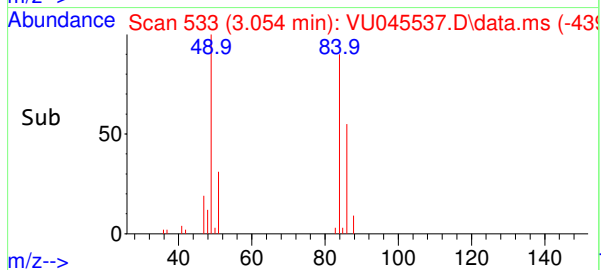
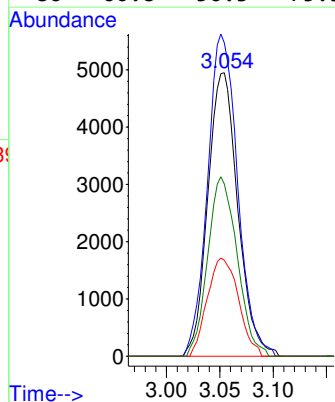
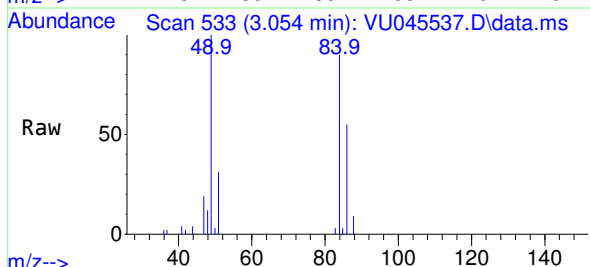
Instrument :
MSVOA_U
ClientSampleId :

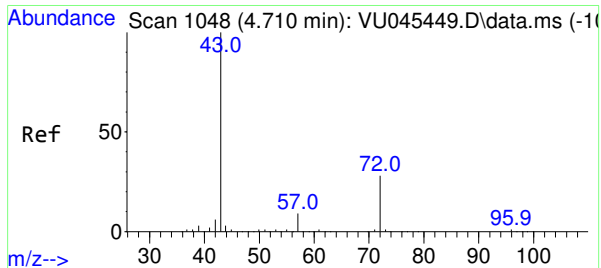
Tgt Ion: 43 Resp: 1314
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 3.78 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion: 84 Resp: 9705
Ion Ratio Lower Upper
84 100
49 110.5 96.4 144.6
51 33.8 30.5 45.7
86 60.8 50.3 75.5

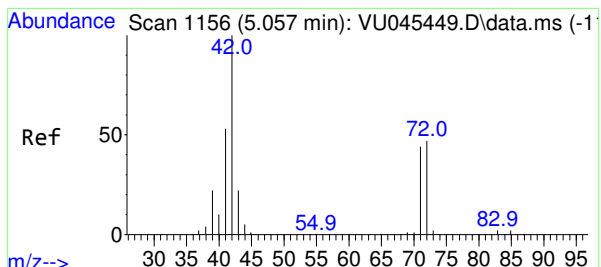
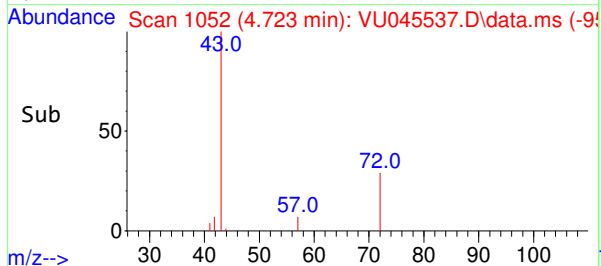
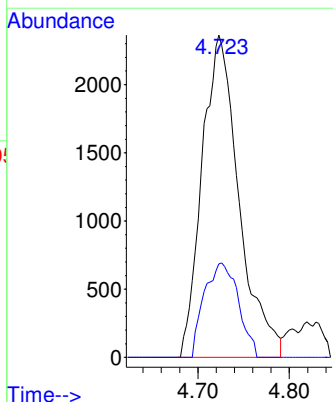
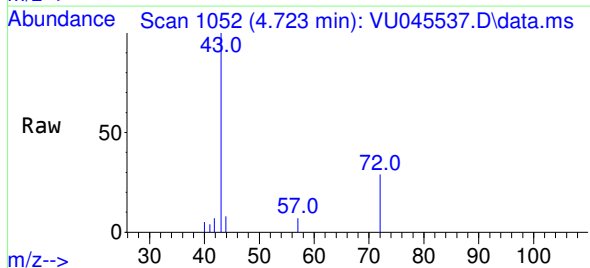




#25
2-Butanone
Concen: 3.40 ug/l
RT: 4.723 min Scan# 1
Delta R.T. 0.013 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

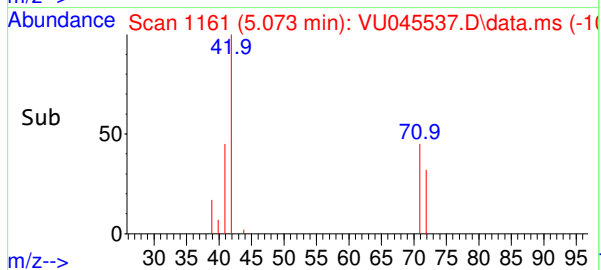
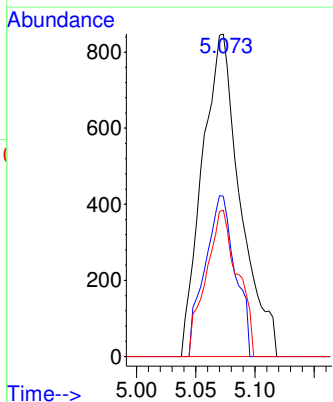
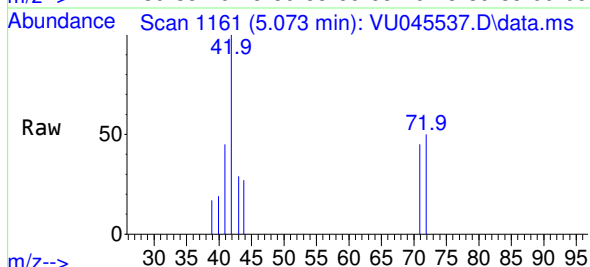
Instrument :
MSVOA_U
ClientSampleId :

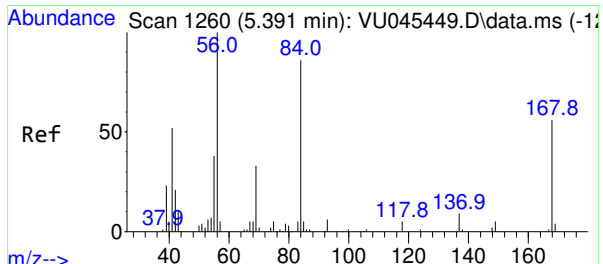
Tgt Ion: 43 Resp: 6626
Ion Ratio Lower Upper
43 100
72 29.0 22.0 33.0



#29
Tetrahydrofuran
Concen: 1.50 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.016 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion: 42 Resp: 1891
Ion Ratio Lower Upper
42 100
72 39.6 38.2 57.4
71 37.7 35.4 53.2

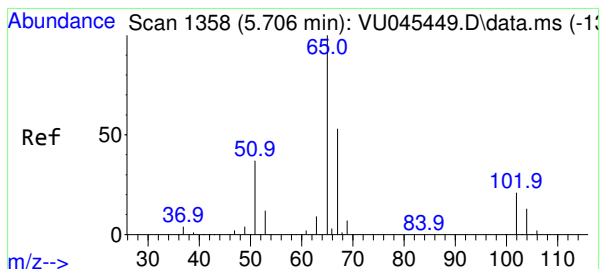
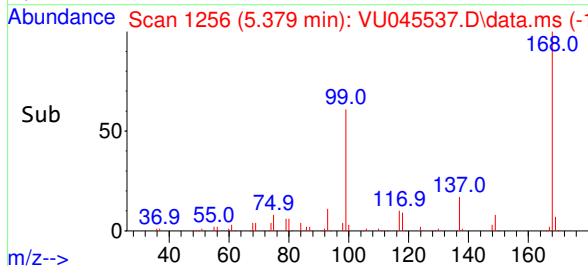
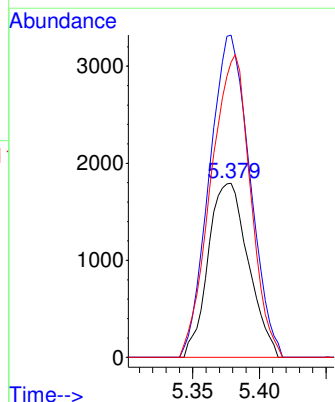
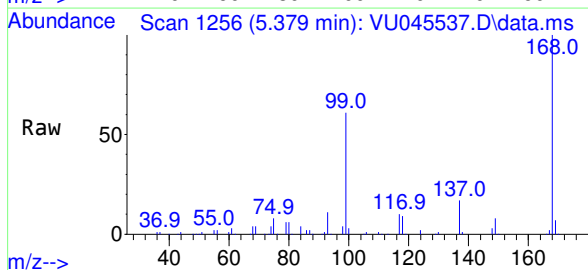




#31
Cyclohexane
Concen: 0.89 ug/l
RT: 5.379 min Scan# 1
Delta R.T. -0.013 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

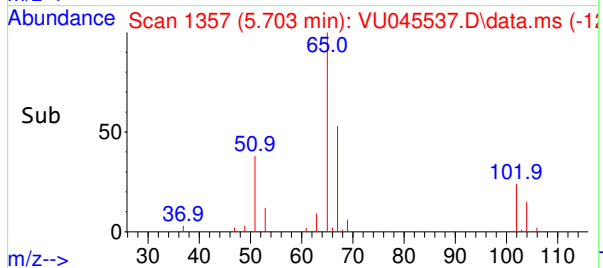
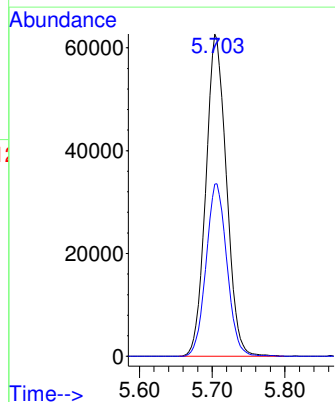
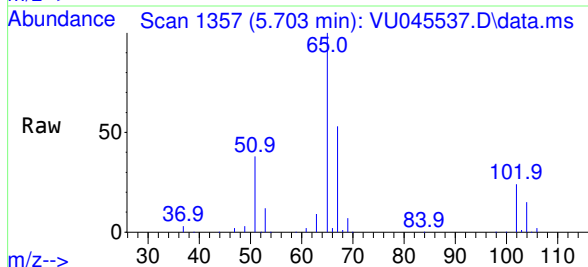
Instrument :
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ClientSampleId :

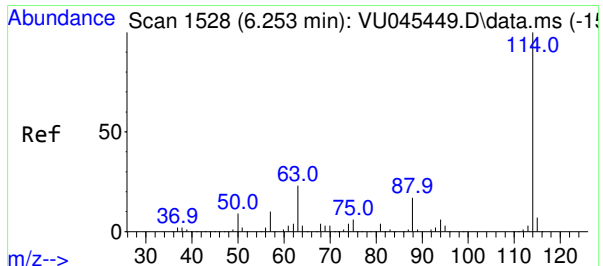
Tgt Ion: 56 Resp: 3747
Ion Ratio Lower Upper
56 100
69 185.2 26.4 39.6#
84 169.5 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 43.40 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion: 65 Resp: 123264
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.8

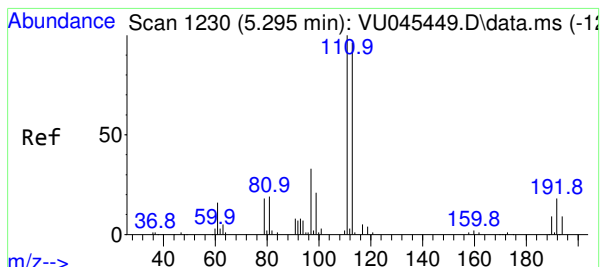
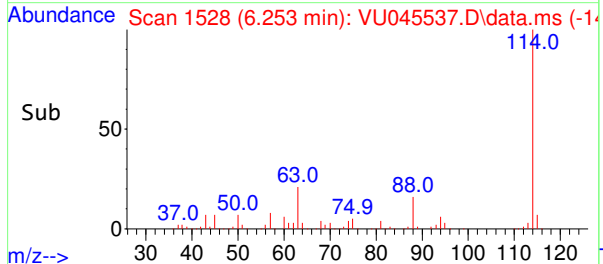
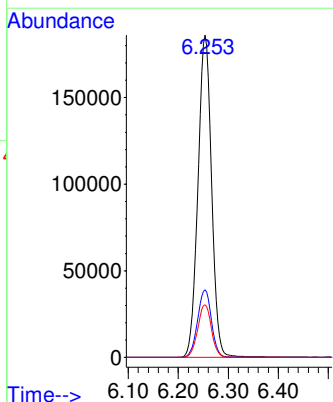
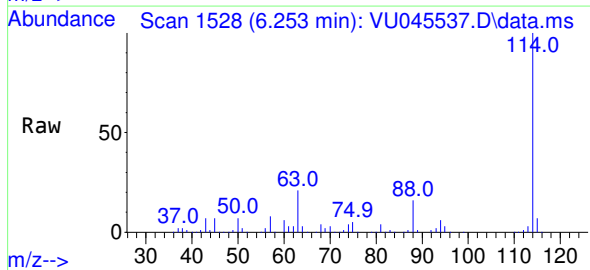




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

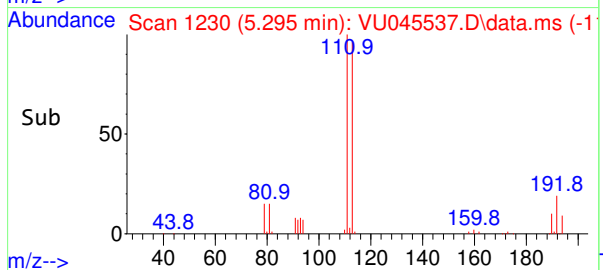
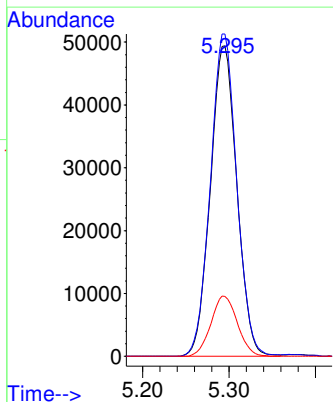
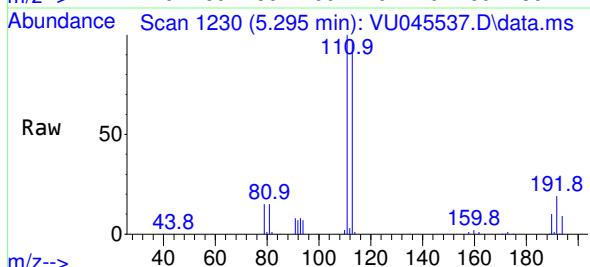
Instrument :
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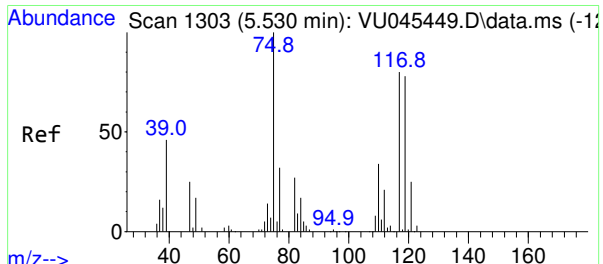
Tgt Ion:	114	Resp:	352952
Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	45.6
88	16.4	0.0	33.8



#35
Dibromofluoromethane
Concen: 46.89 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion:	113	Resp:	105232
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.8	124.2
192	19.4	14.8	22.2

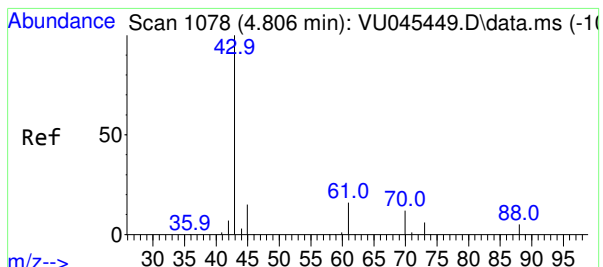
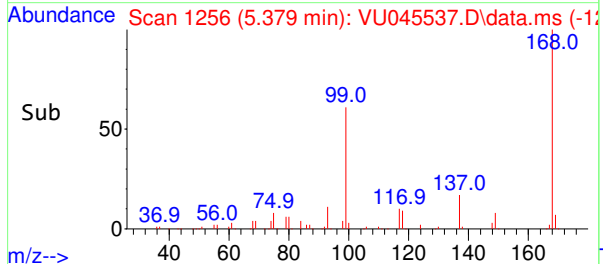
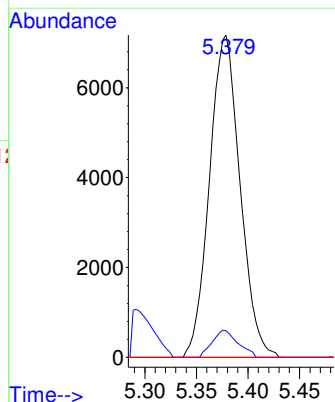
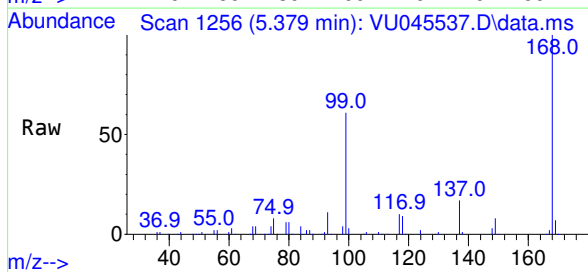




#36
1,1-Dichloropropene
Concen: 4.40 ug/l
RT: 5.379 min Scan# 1
Delta R.T. -0.151 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

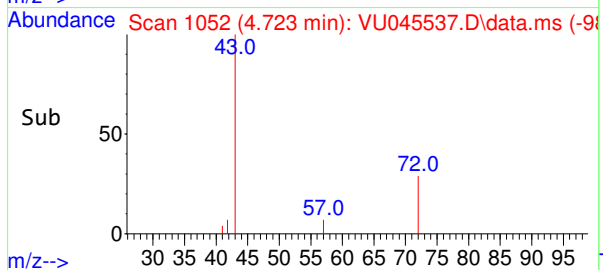
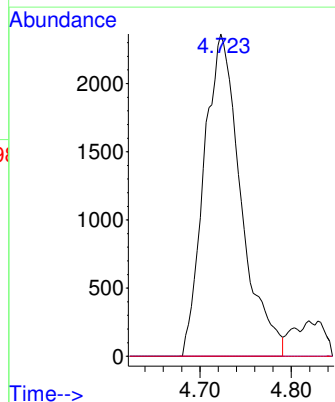
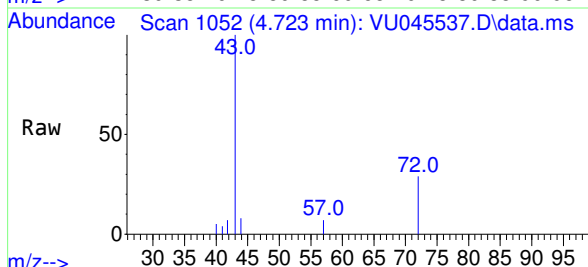
Instrument :
MSVOA_U
ClientSampleId :

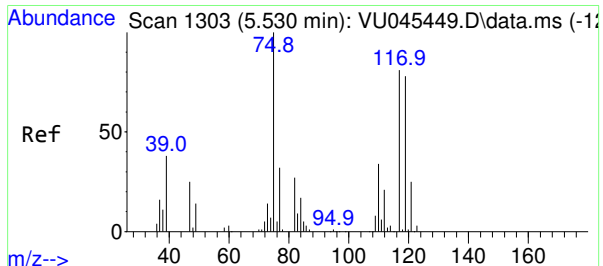
Tgt Ion: 75 Resp: 14785
Ion Ratio Lower Upper
75 100
110 7.1 16.7 50.0#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.63 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. -0.083 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion: 43 Resp: 6626
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.1 13.7#

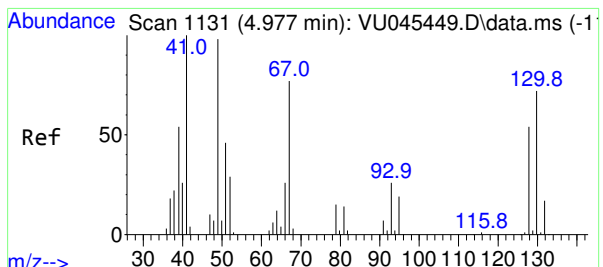
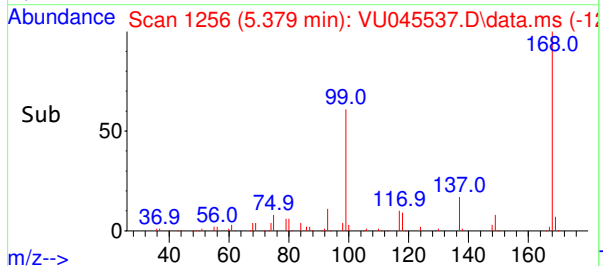
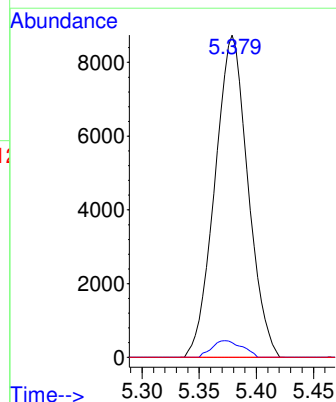
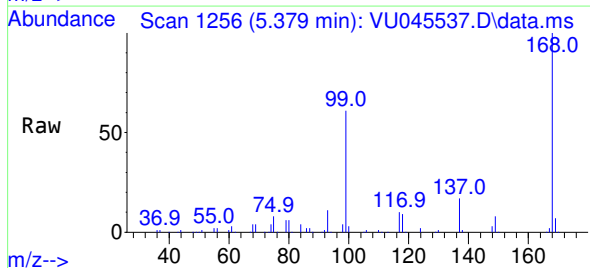




#38
Carbon Tetrachloride
Concen: 6.02 ug/l
RT: 5.379 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

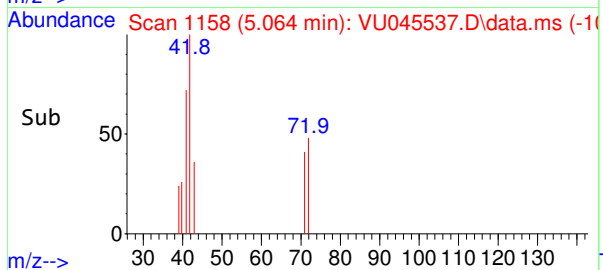
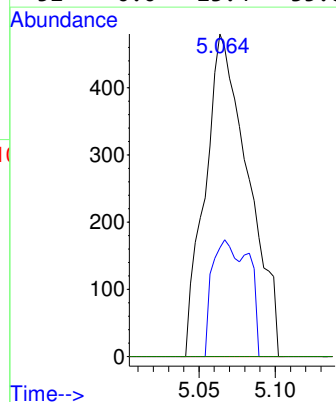
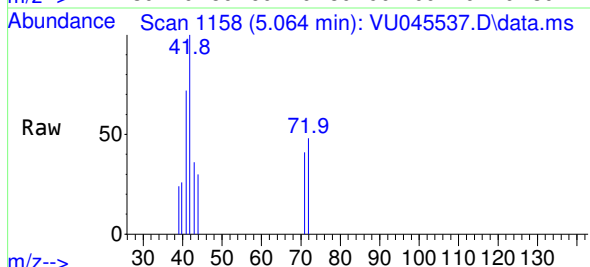
Instrument : MSVOA_U
ClientSampleId :

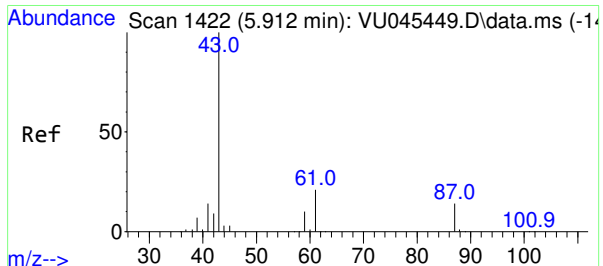
Tgt Ion: 117 Resp: 17637
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.0#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.44 ug/l
RT: 5.064 min Scan# 1158
Delta R.T. 0.087 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion: 41 Resp: 941
Ion Ratio Lower Upper
41 100
39 21.7 43.4 65.0#
67 0.0 61.0 91.4#
52 0.0 23.4 35.0#

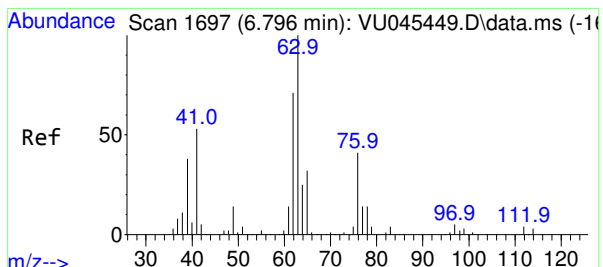
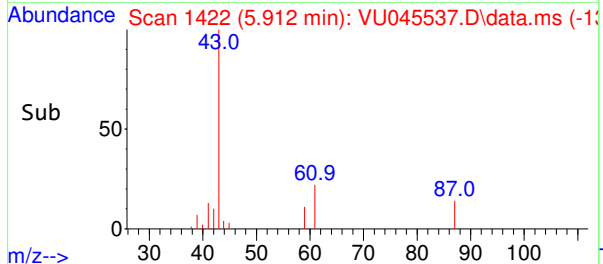
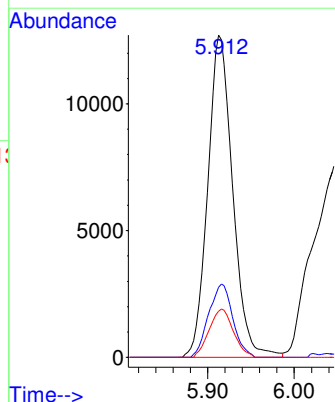
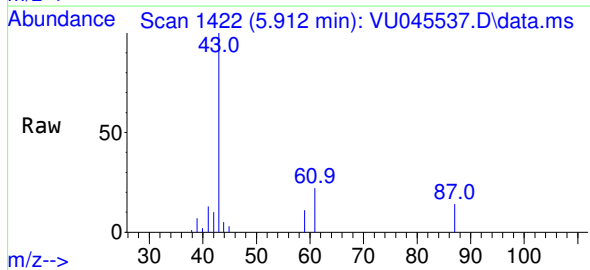




#43
Isopropyl Acetate
Concen: 4.15 ug/l
RT: 5.912 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

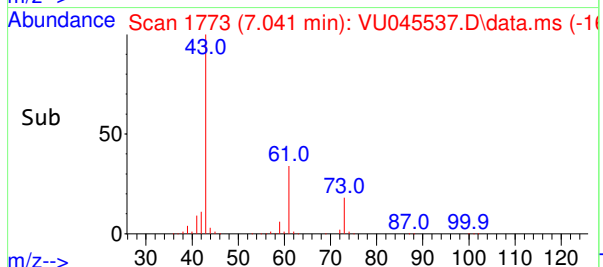
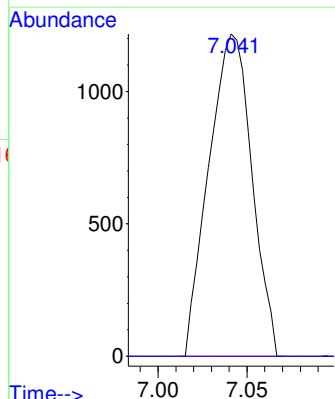
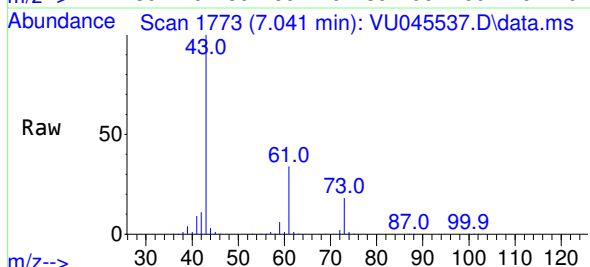
Instrument :
MSVOA_U
ClientSampleId :

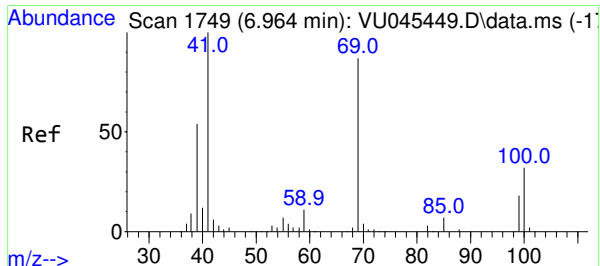
Tgt Ion:	43	Resp:	25465
Ion	Ratio	Lower	Upper
43	100		
61	22.0	16.9	25.3
87	14.6	11.0	16.4



#45
1,2-Dichloropropane
Concen: 0.77 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.245 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion:	63	Resp:	2047
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.7	38.5#

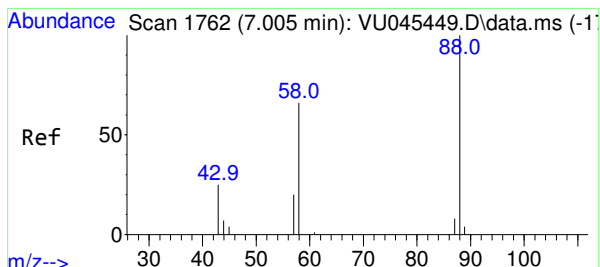
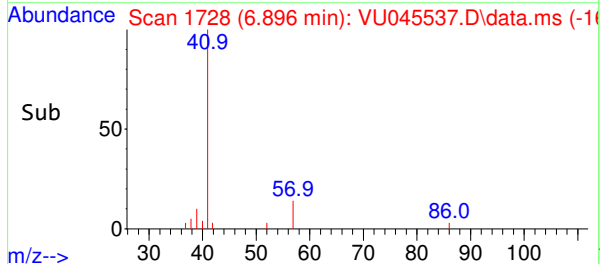
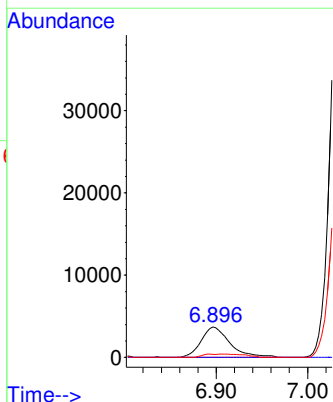
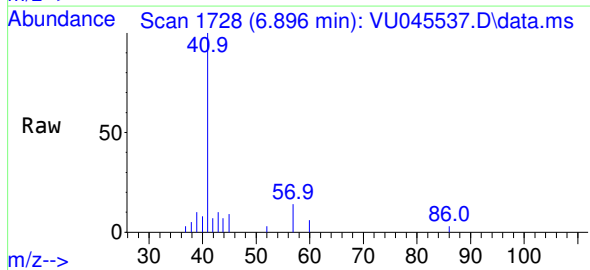




#48
Methyl methacrylate
Concen: 2.78 ug/l
RT: 6.896 min Scan# 1
Delta R.T. -0.067 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

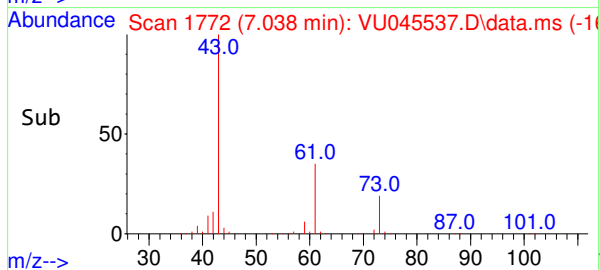
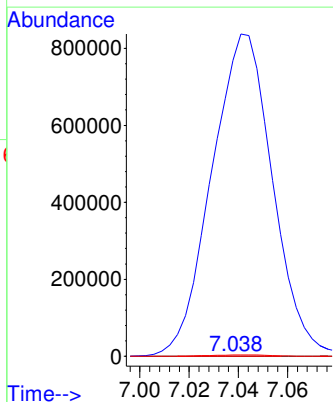
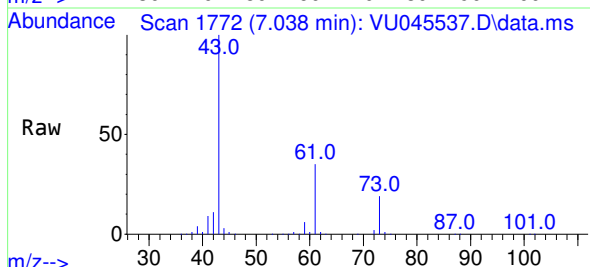
Instrument :
MSVOA_U
ClientSampleId :

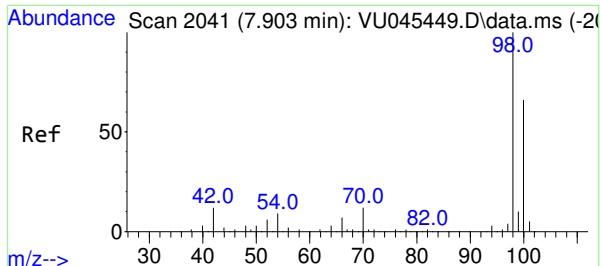
Tgt Ion: 41 Resp: 8089
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 0.0 43.9 65.9#



#49
1,4-Dioxane
Concen: 4.49 ug/l
RT: 7.038 min Scan# 1772
Delta R.T. 0.032 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion: 88 Resp: 332
Ion Ratio Lower Upper
88 100
43 437307.8 0.0 0.0#
58 1966.0 58.7 88.1#

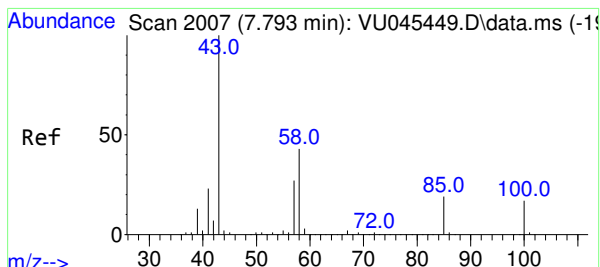
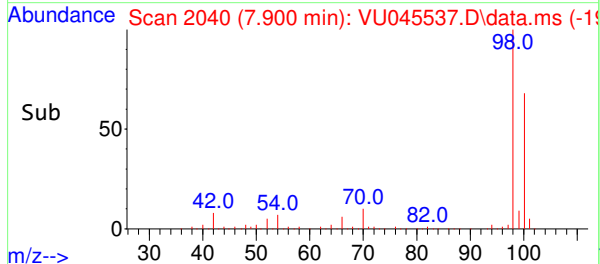
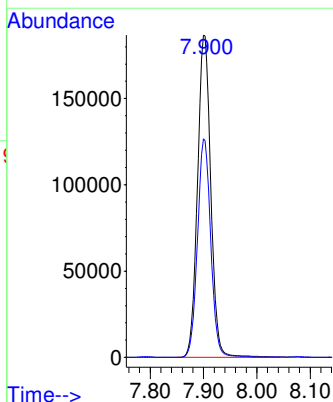
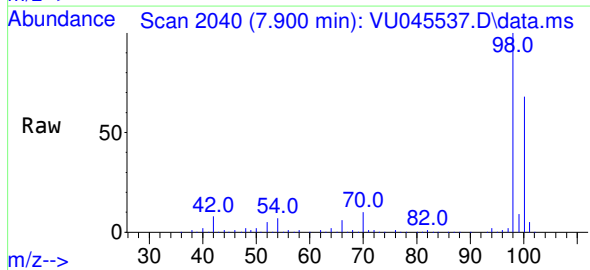




#50
Toluene-d8
Concen: 36.78 ug/l
RT: 7.900 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

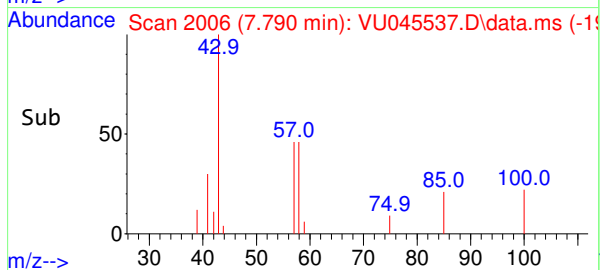
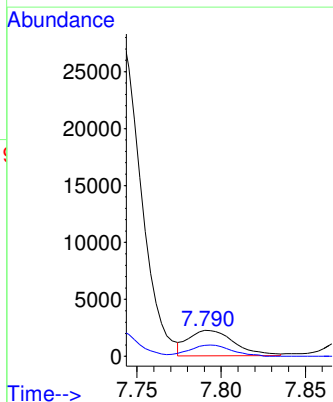
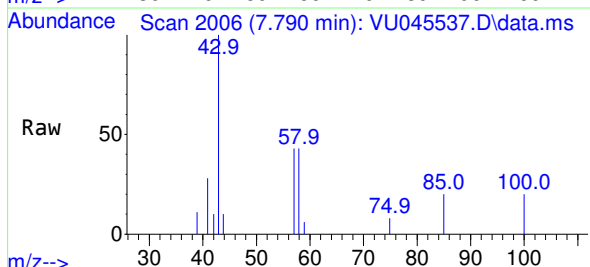
Instrument :
MSVOA_U
ClientSampleId :

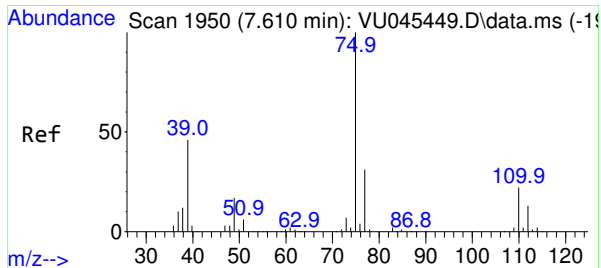
Tgt Ion: 98 Resp: 323643
Ion Ratio Lower Upper
98 100
100 67.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.06 ug/l
RT: 7.790 min Scan# 2006
Delta R.T. -0.003 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion: 43 Resp: 4220
Ion Ratio Lower Upper
43 100
58 40.9 33.8 50.8

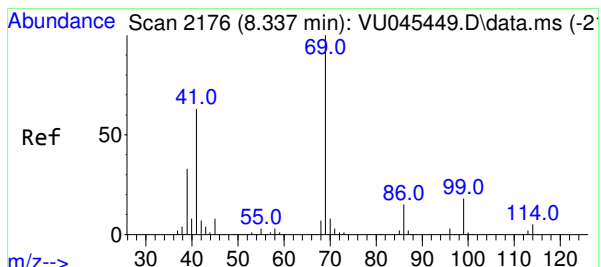
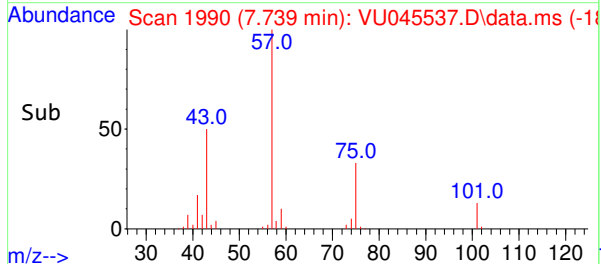
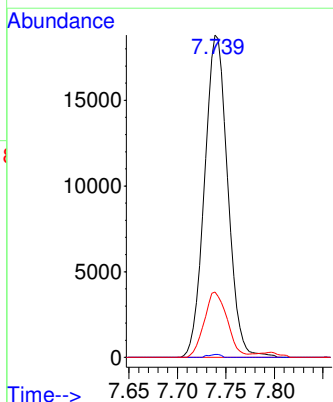
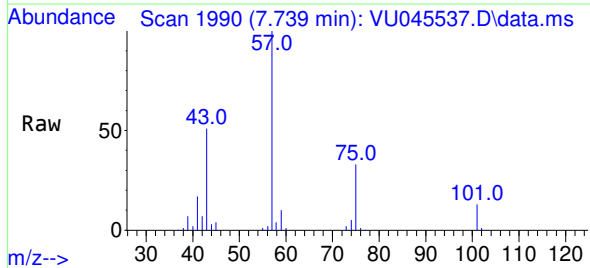




#54
 cis-1,3-Dichloropropene
 Concen: 7.51 ug/l
 RT: 7.739 min Scan# 1
 Delta R.T. 0.129 min
 Lab File: VU045537.D
 Acq: 03 Nov 2021 22:05

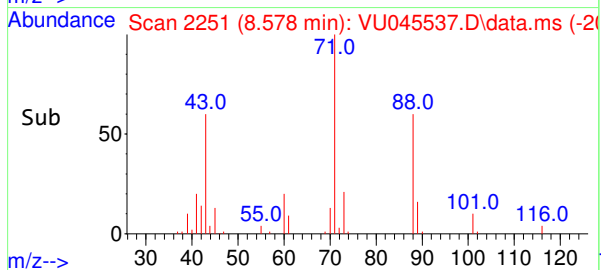
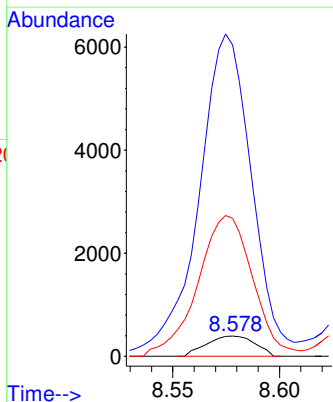
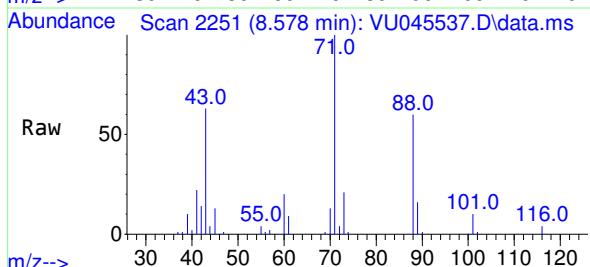
Instrument :
 MSVOA_U
 ClientSampleId :

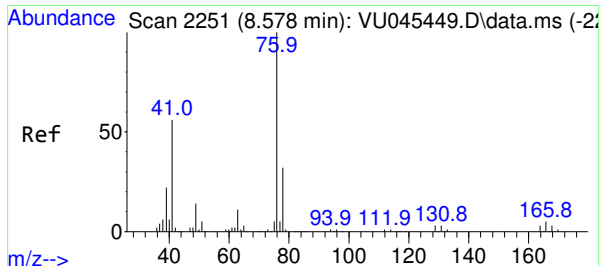
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	24.6	37.0#
39	20.2	37.1	55.7#



#56
 Ethyl methacrylate
 Concen: 1.77 ug/l
 RT: 8.578 min Scan# 2251
 Delta R.T. 0.241 min
 Lab File: VU045537.D
 Acq: 03 Nov 2021 22:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	1734.1	51.0	76.4#
39	787.8	26.6	39.8#





#57

1,3-Dichloropropane

Concen: 4.45 ug/l

RT: 8.729 min Scan# 2

Delta R.T. 0.151 min

Lab File: VU045537.D

Acq: 03 Nov 2021 22:05

Instrument :

MSVOA_U

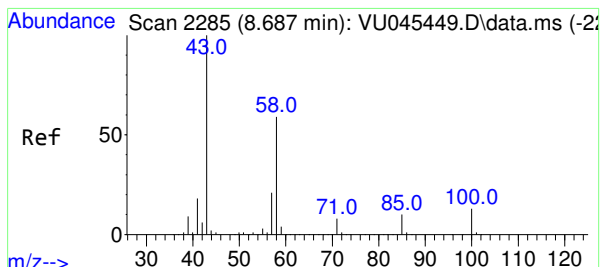
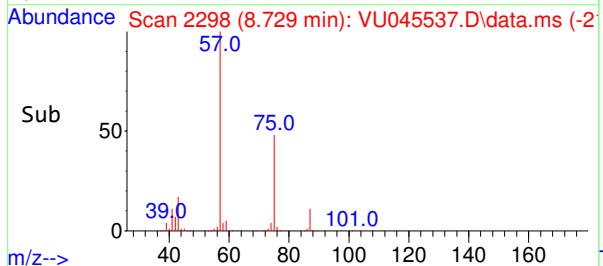
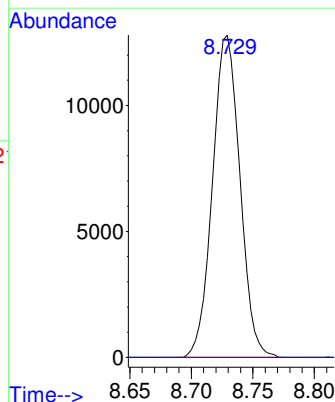
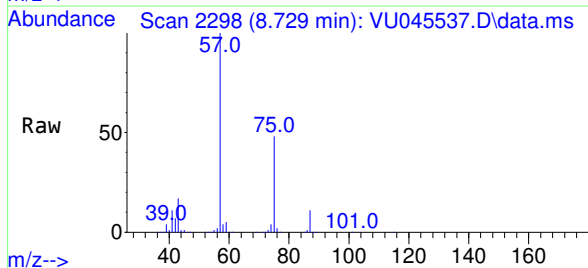
ClientSampleId :

Tgt Ion: 76 Resp: 19837

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 66.79 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.042 min

Lab File: VU045537.D

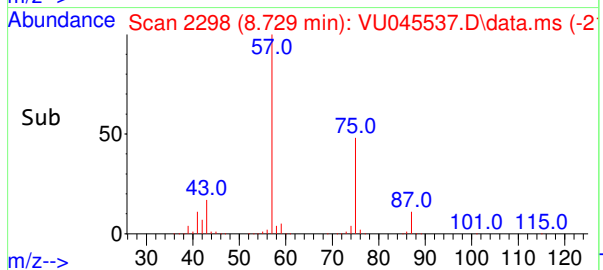
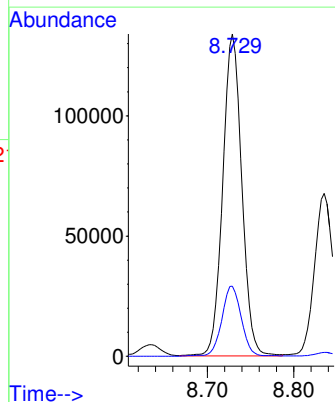
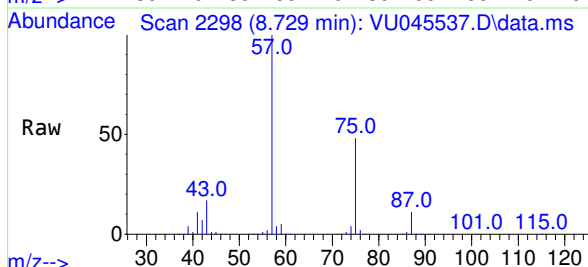
Acq: 03 Nov 2021 22:05

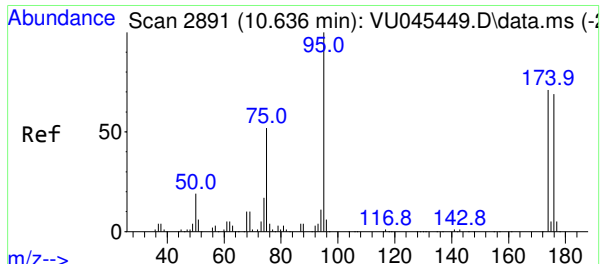
Tgt Ion: 43 Resp: 205089

Ion Ratio Lower Upper

43 100

58 22.4 29.5 88.6#

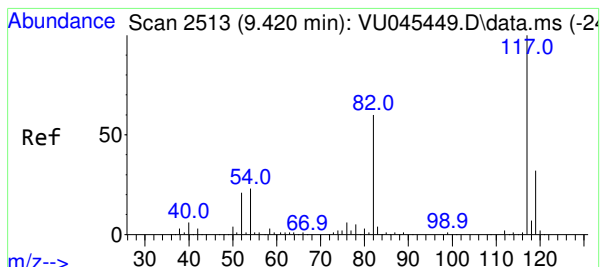
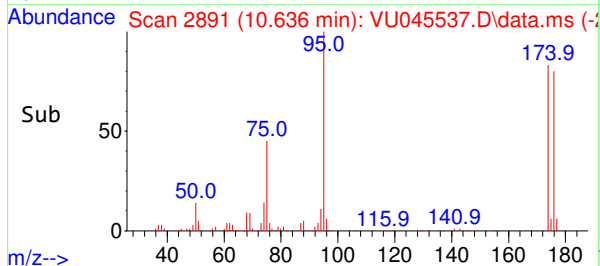
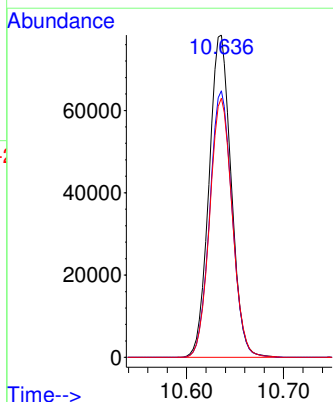
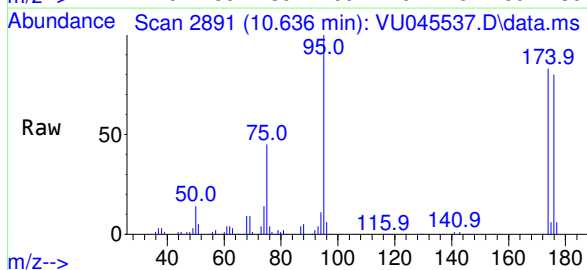




#62
4-Bromofluorobenzene
Concen: 37.07 ug/l
RT: 10.636 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

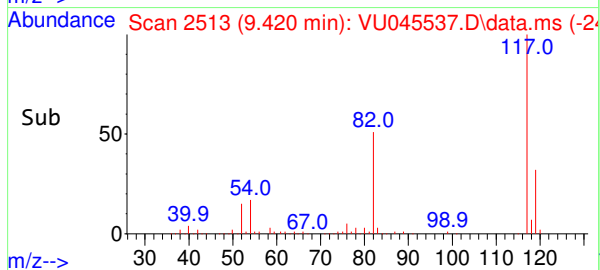
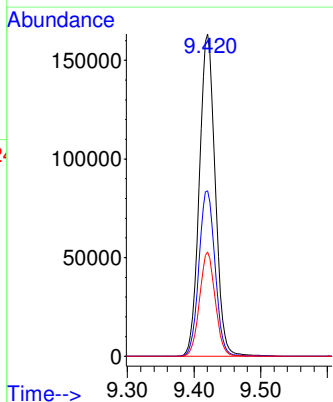
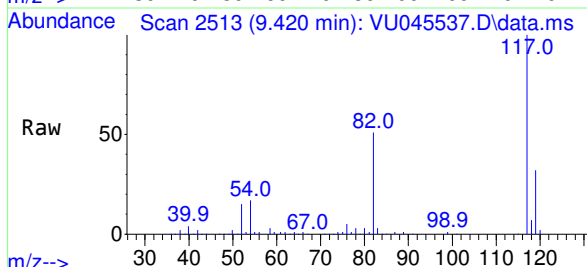
Instrument :
MSVOA_U
ClientSampleId :

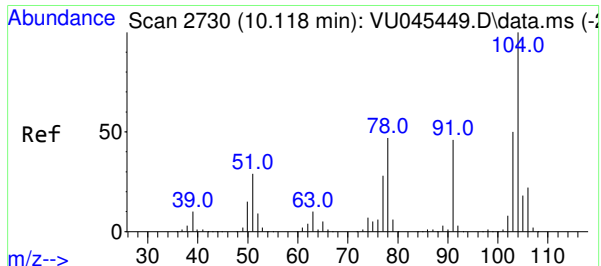
Tgt Ion:	95	Resp:	124321
Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	141.8
176	81.6	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion:	117	Resp:	270545
Ion	Ratio	Lower	Upper
117	100		
82	51.3	47.8	71.8
119	32.3	25.8	38.8

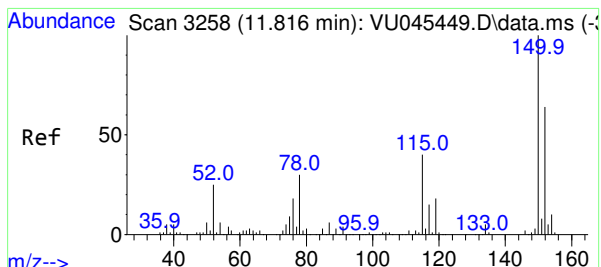
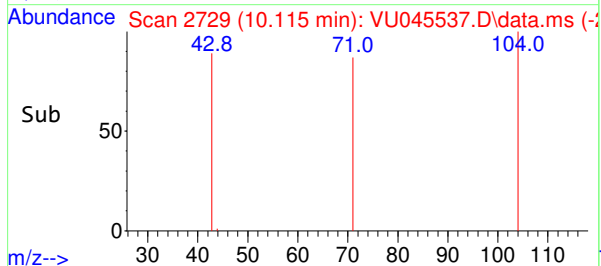
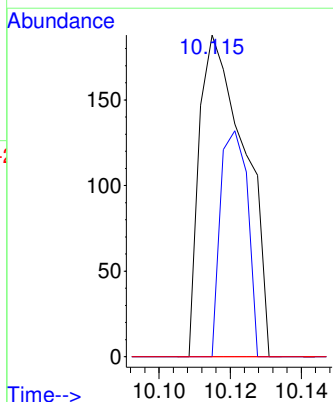
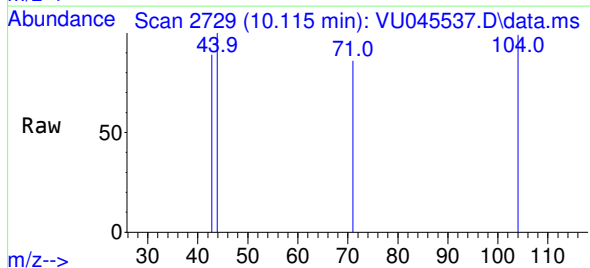




#70
Styrene
Concen: 1.00 ug/l
RT: 10.115 min Scan# 2
Delta R.T. -0.003 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

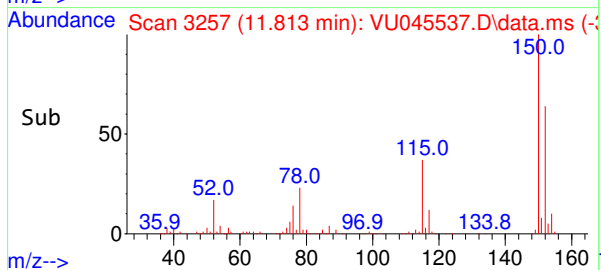
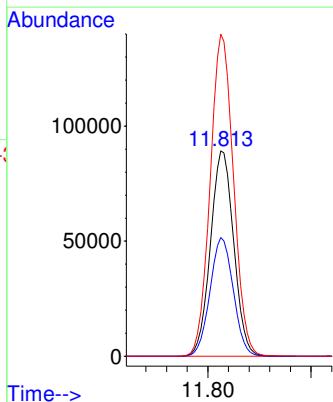
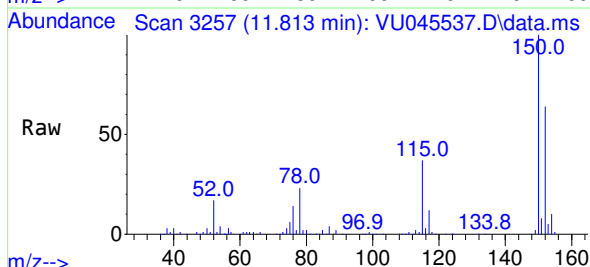
Instrument :
MSVOA_U
ClientSampleId :

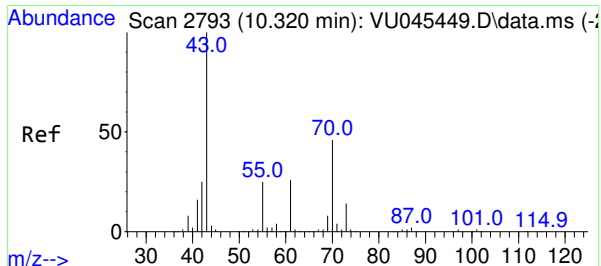
Tgt Ion:	104	Resp:	166
Ion	Ratio	Lower	Upper
104	100		
78	42.2	41.8	62.6
103	0.0	43.8	65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.813 min Scan# 3257
Delta R.T. -0.003 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion:	152	Resp:	139593
Ion	Ratio	Lower	Upper
152	100		
115	57.8	42.7	128.1
150	157.0	0.0	346.8

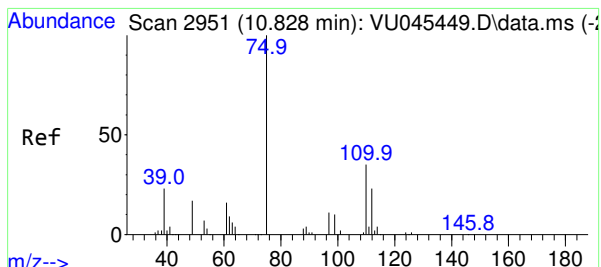
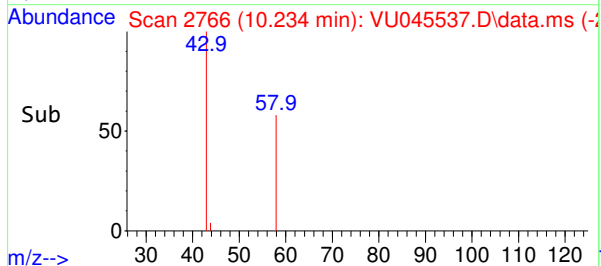
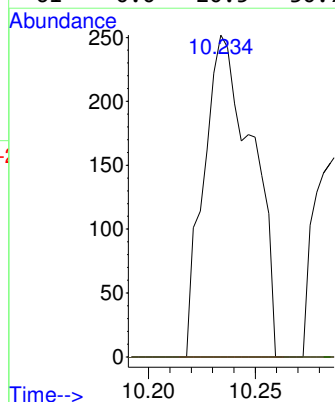
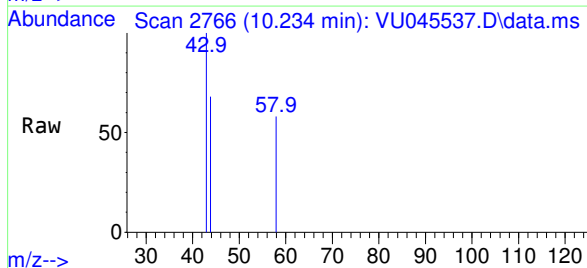




#74
N-amyI acetate
Concen: 1.23 ug/l
RT: 10.234 min Scan# 21
Delta R.T. -0.086 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

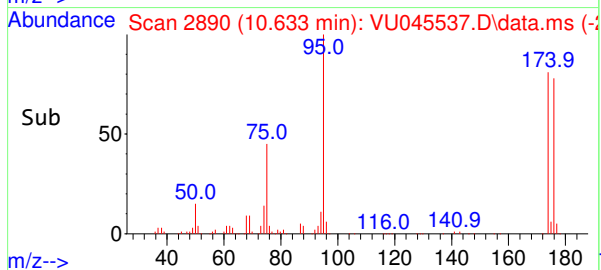
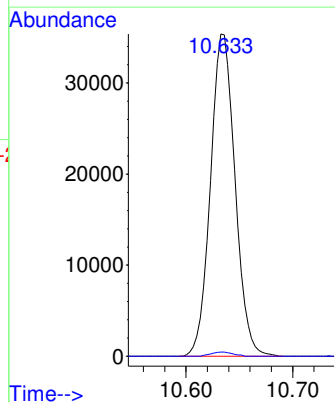
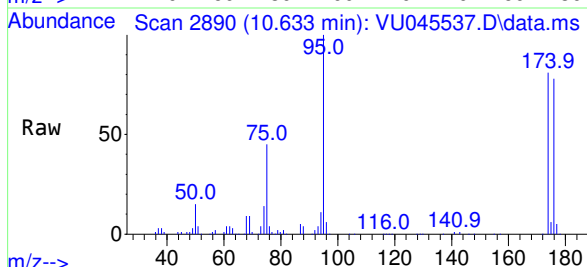
Instrument :
MSVOA_U
ClientSampleId :

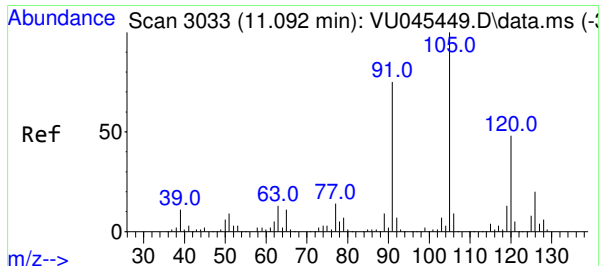
Tgt Ion:	43	Resp:	397
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.9	55.3#
55	0.0	20.6	31.0#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 15.23 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion:	75	Resp:	56634
Ion	Ratio	Lower	Upper
75	100		
77	1.2	17.1	51.3#

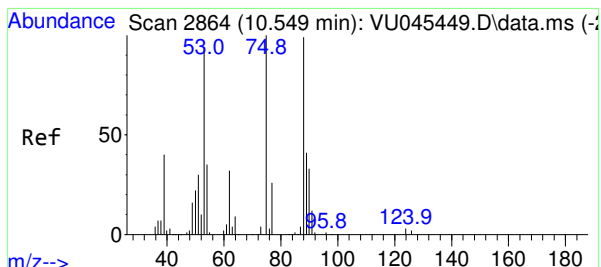
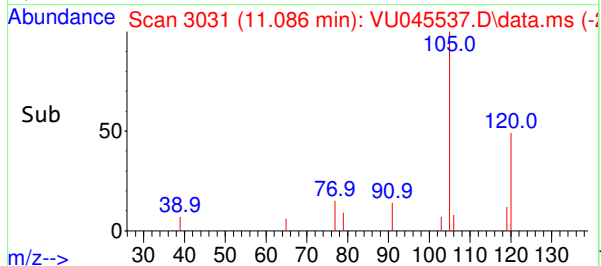
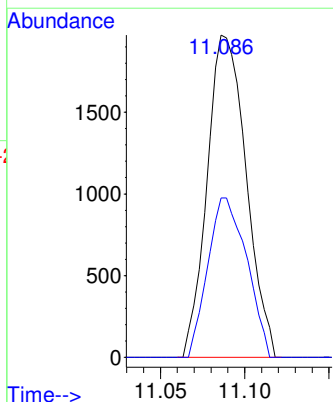
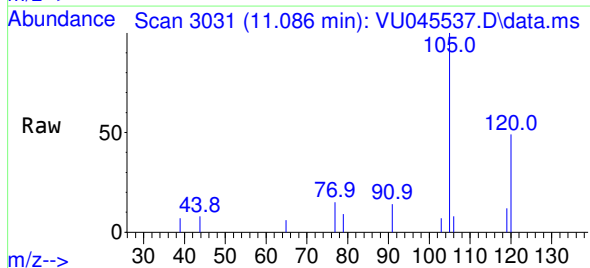




#80
1,3,5-Trimethylbenzene
Concen: 0.40 ug/l
RT: 11.086 min Scan# 3
Delta R.T. -0.006 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

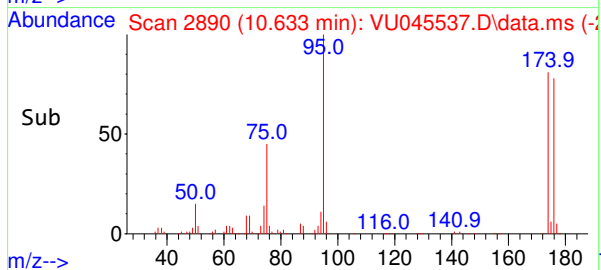
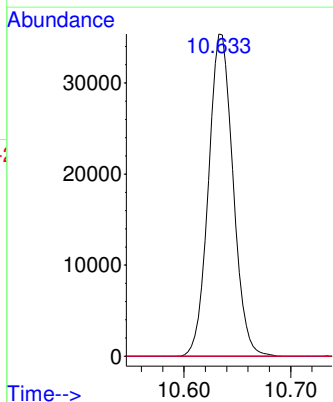
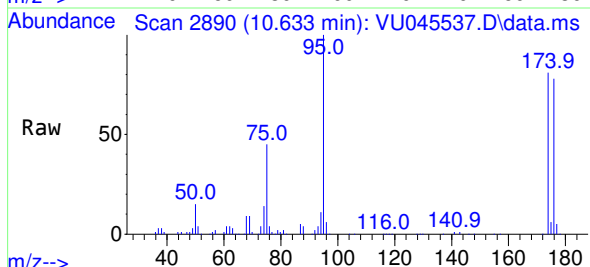
Instrument :
MSVOA_U
ClientSampleId :

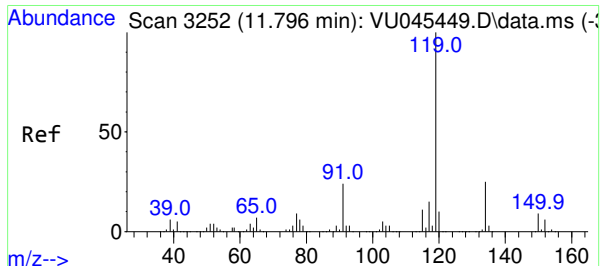
Tgt Ion: 105 Resp: 3181
Ion Ratio Lower Upper
105 100
120 49.3 23.9 71.8



#81
trans-1,4-Dichloro-2-butene
Concen: 42.94 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Tgt Ion: 75 Resp: 56634
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

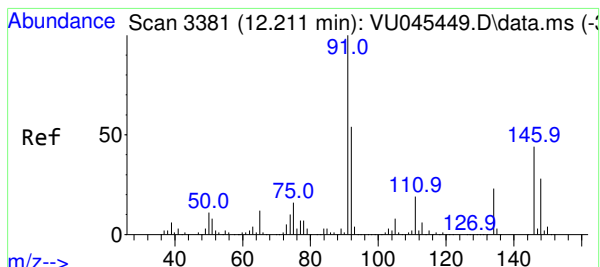
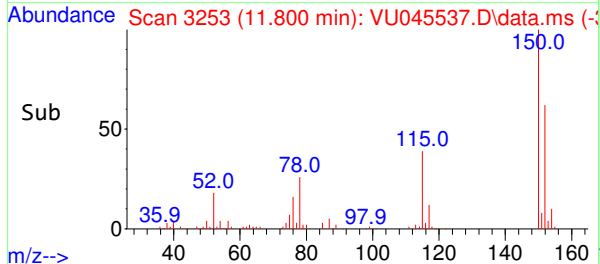
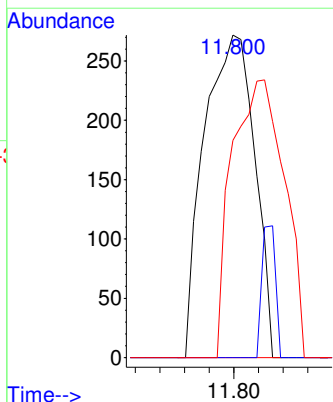
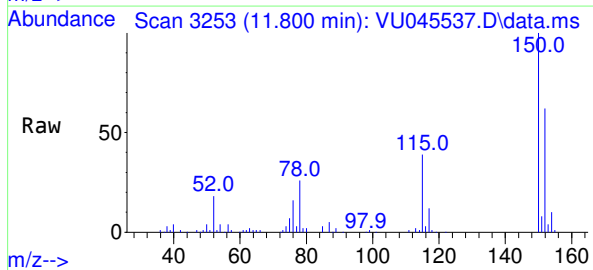




#86
p-Isopropyltoluene
Concen: 0.23 ug/l
RT: 11.800 min Scan# 3
Delta R.T. 0.004 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

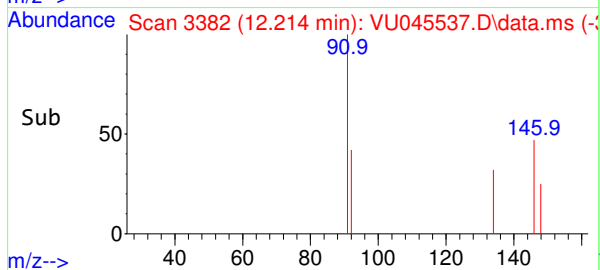
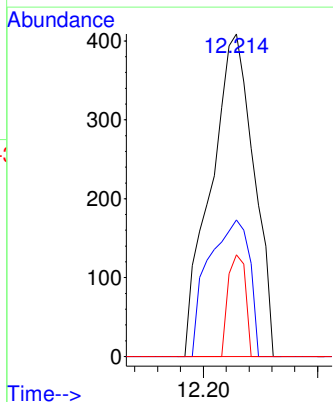
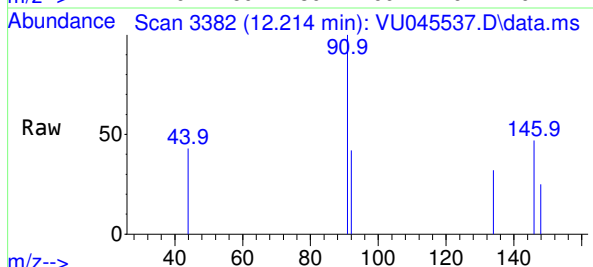
Instrument :
MSVOA_U
ClientSampleId :

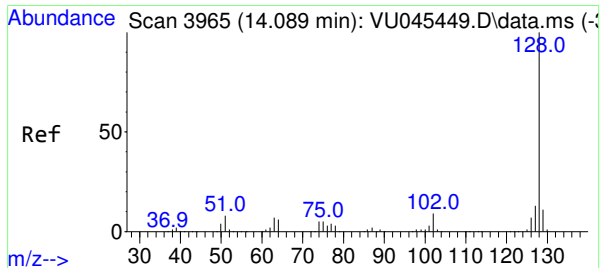
Tgt Ion:	119	Resp:	386
Ion	Ratio	Lower	Upper
119	100		
134	11.1	12.7	38.1#
91	89.6	12.2	36.4#



#89
n-Butylbenzene
Concen: 1.00 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

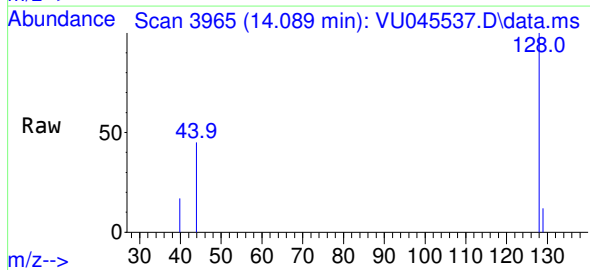
Tgt Ion:	91	Resp:	532
Ion	Ratio	Lower	Upper
91	100		
92	40.4	27.1	81.2
134	12.8	11.8	35.4





#95
Naphthalene
Concen: 0.21 ug/l
RT: 14.089 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU045537.D
Acq: 03 Nov 2021 22:05

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	1303
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	3.1	8.6	13.0#

