

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051821\
 Data File : VU043805.D
 Acq On : 18 May 2021 11:34
 Operator : SY/MD
 Sample : M2402-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 19 01:41:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 19 01:40:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	244774	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	249428	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	131584	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	75741	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.919	69	56489	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.575	65	32813	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	4.648	46	148464	43.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.52%
24) Chloroform-d	5.073	84	133150	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.713	65	69894	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.738	84	282751	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.700	67	90775	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.906	98	241449	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloroprop...	8.188	79	32702	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.645	63	153806	45.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.14%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	73283	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
66) 1,2-Dichlorobenzene-d4	12.201	152	101307	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%
Target Compounds						
					Qvalue	
8) Chloroethane	1.941	64	123061	10.53	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	320531	19.51	ug/L	99
12) 1,1-Dichloroethene	2.581	96	1621	0.10	ug/L #	1
13) Acetone	2.584	43	2808	1.29	ug/L	89
16) Methylene chloride	3.057	84	5753	0.24	ug/L	94
17) Methyl tert-butyl Ether	3.375	73	627176	17.15	ug/L	98
27) 1,2-Dichloroethane	5.787	62	2480	0.13	ug/L #	74
31) Carbon tetrachloride	5.536	117	68477	3.15	ug/L	99
33) Benzene	5.783	78	299211	4.15	ug/L	100
34) Trichloroethene	6.552	95	290835	15.71	ug/L	97
35) Methylcyclohexane	6.700	83	20957	0.73	ug/L #	18
37) 1,2-Dichloropropane	6.800	63	74882	3.97	ug/L	100
42) Toluene	7.976	91	627325	8.28	ug/L	99
47) Tetrachloroethene	8.561	164	163405	10.92	ug/L	98
48) 2-Hexanone	8.648	43	15722	1.76	ug/L #	69
49) Dibromochloromethane	8.561	129	150193	9.93	ug/L #	11
51) Chlorobenzene	9.455	112	250473	5.29	ug/L	98
52) Ethylbenzene	9.578	91	493256	6.36	ug/L	99
53) m,p-Xylene	9.703	106	199347	6.76	ug/L	97

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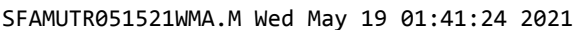
Quant Time: May 19 01:41:20 2021
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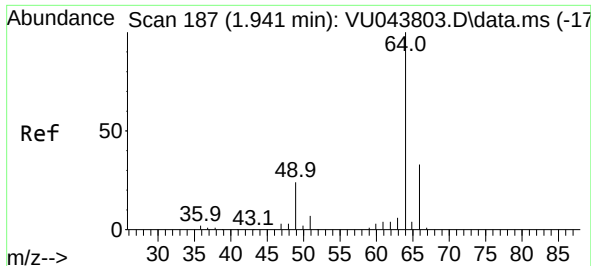
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

54) o-Xylene	10.108	106	118341	4.20	ug/L	100
55) Styrene	10.108	104	7580	0.16	ug/L #	1
60) Isopropylbenzene	10.108	105	52021	0.72	ug/L #	26
61) 1,2,3-Trichloropropane	10.790	75	11596	0.92	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.108	105	52021	0.89	ug/L #	28
63) 1,2,4-Trimethylbenzene	12.217	105	57024	0.96	ug/L #	36
64) 1,3-Dichlorobenzene	11.754	146	78818	2.12	ug/L	99
67) 1,2-Dichlorobenzene	12.220	146	283477	7.93	ug/L	98
72) 1,2,3-Trichlorobenzene	14.339	180	110767	4.78	ug/L	98

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

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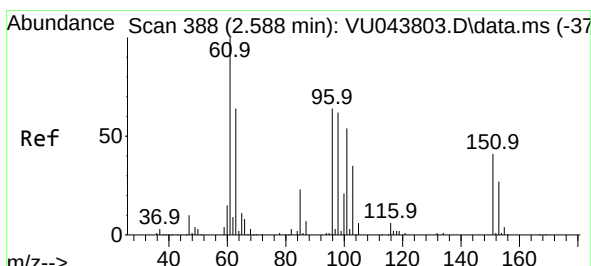
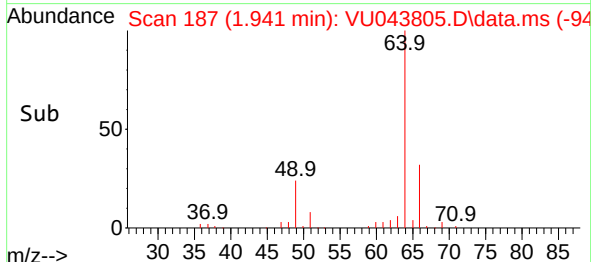
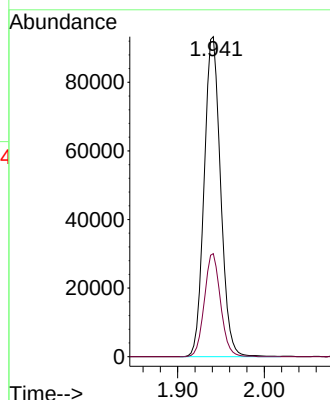
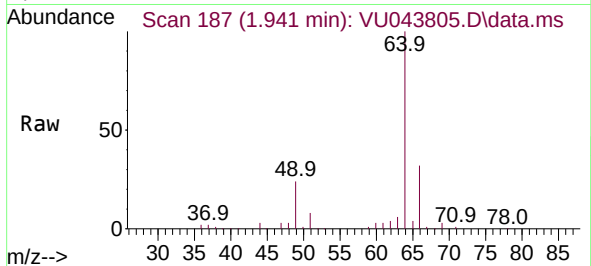




#8
Chloroethane
Concen: 10.53 ug/L
RT: 1.941 min Scan# 187
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

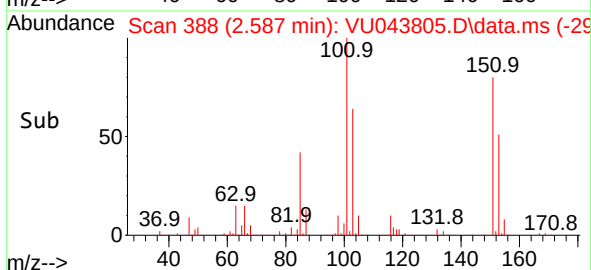
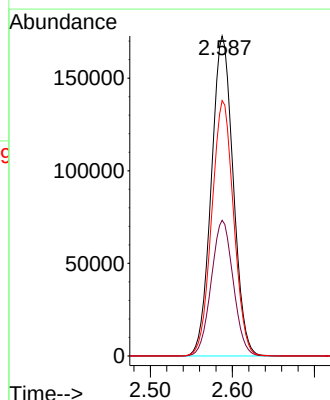
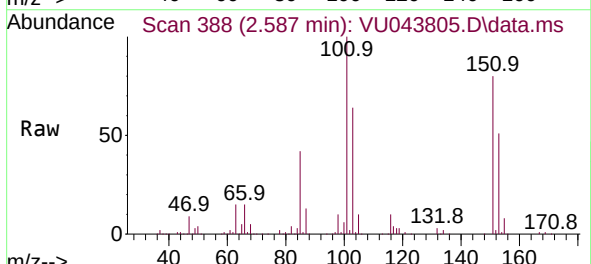
Instrument :
MSVOA_U
ClientSampled :

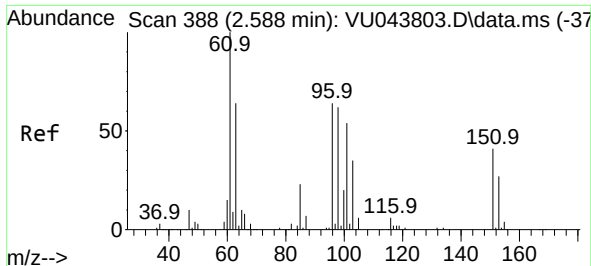
Tgt Ion: 64 Resp: 123061
Ion Ratio Lower Upper
64 100
66 32.2 23.4 43.6



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 19.51 ug/L
RT: 2.587 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Tgt Ion:101 Resp: 320531
Ion Ratio Lower Upper
101 100
85 42.6 34.3 51.5
151 79.9 62.7 94.1

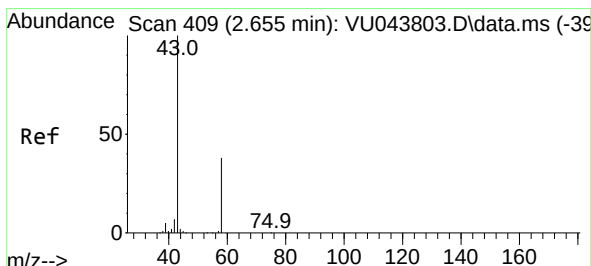
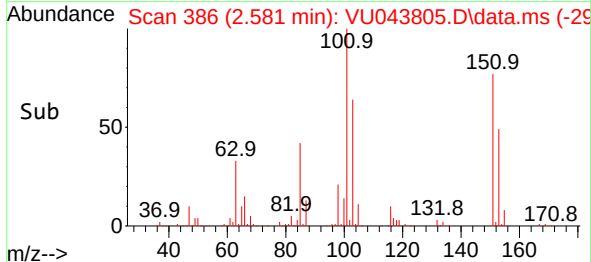
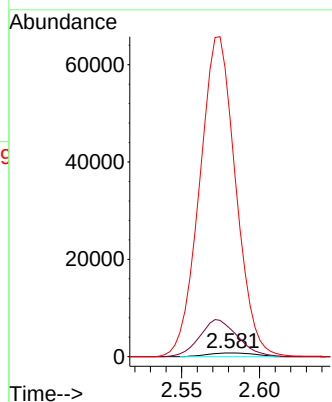
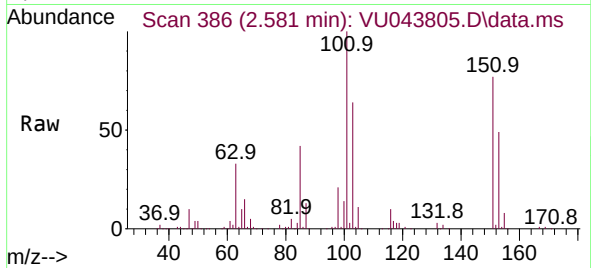




#12
1,1-Dichloroethene
Concen: 0.10 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.007 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

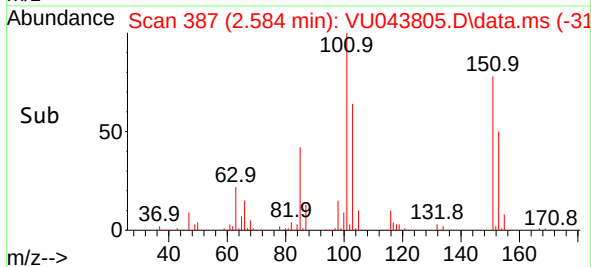
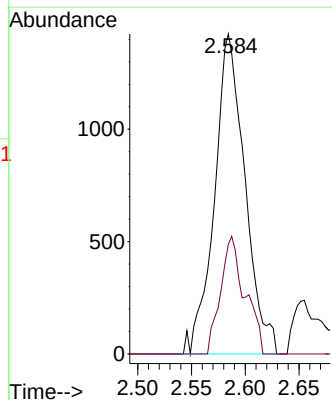
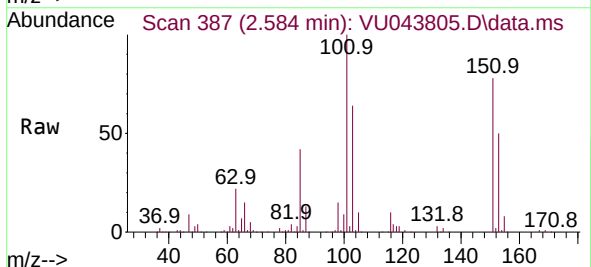
Instrument :
MSVOA_U
ClientSampleId :

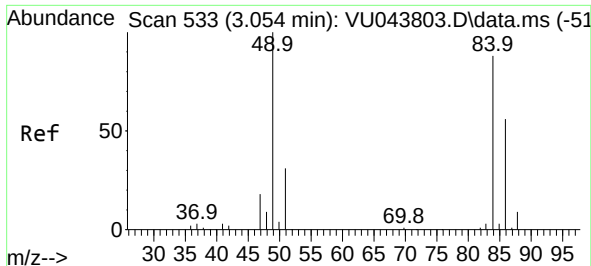
Tgt Ion: 96 Resp: 1621
Ion Ratio Lower Upper
96 100
61 758.2 117.5 218.1#
63 6417.9 77.3 143.7#



#13
Acetone
Concen: 1.29 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.071 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

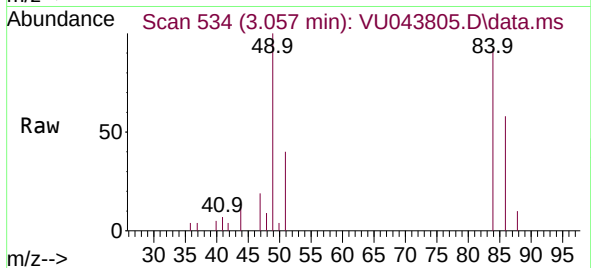
Tgt Ion: 43 Resp: 2808
Ion Ratio Lower Upper
43 100
58 29.2 0.0 71.6



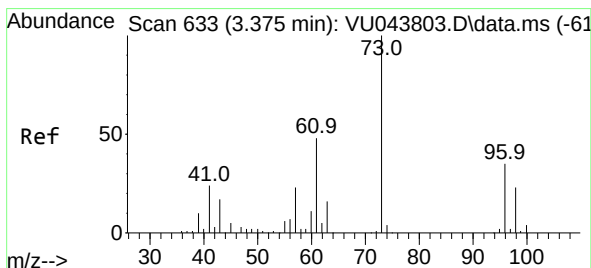
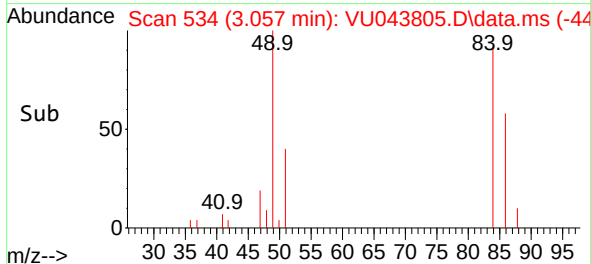
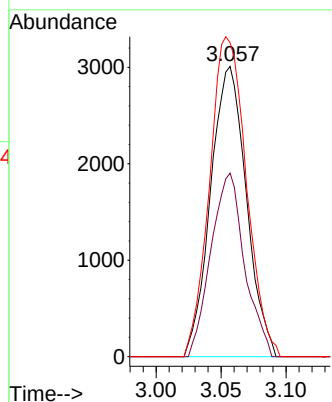


#16
Methylene chloride
Concen: 0.24 ug/L
RT: 3.057 min Scan# 534
Delta R.T. 0.003 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Instrument :
MSVOA_U
ClientSampled :

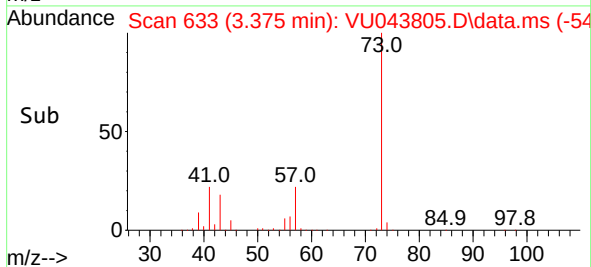
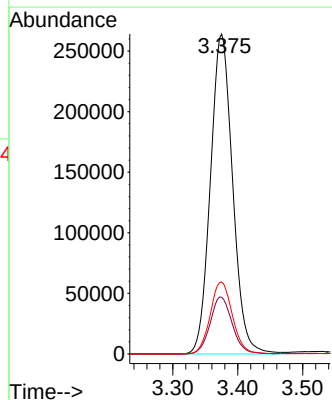
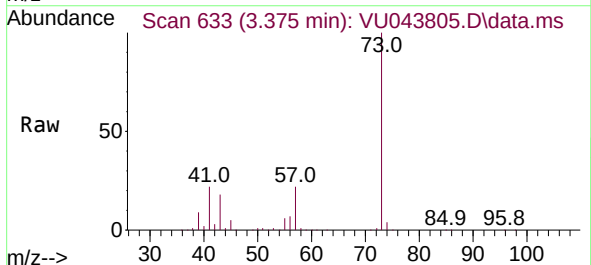


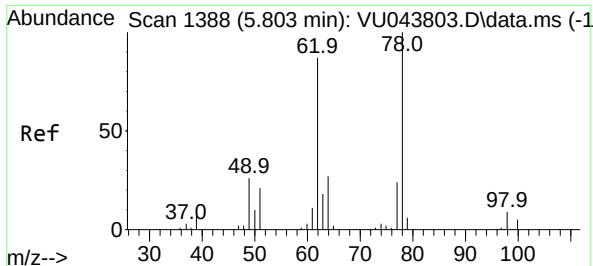
Tgt Ion: 84 Resp: 5753
Ion Ratio Lower Upper
84 100
86 63.2 44.7 82.9
49 108.1 83.1 154.3



#17
Methyl tert-butyl Ether
Concen: 17.15 ug/L
RT: 3.375 min Scan# 633
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Tgt Ion: 73 Resp: 627176
Ion Ratio Lower Upper
73 100
43 17.7 15.0 22.4
57 22.5 18.6 27.8

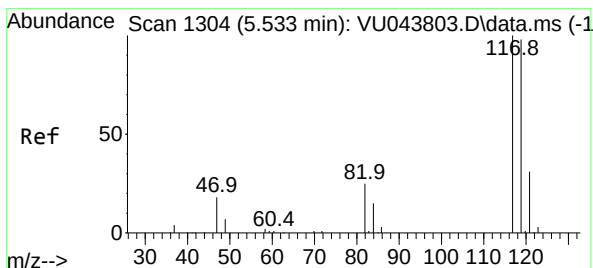
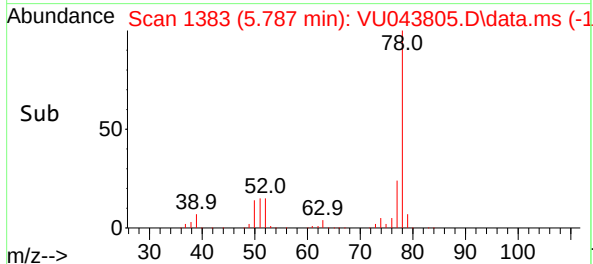
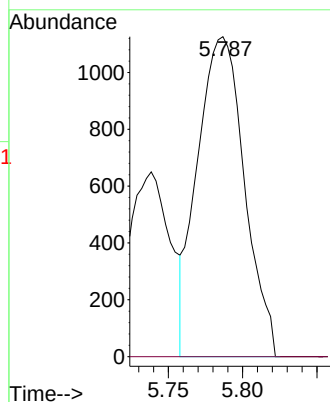
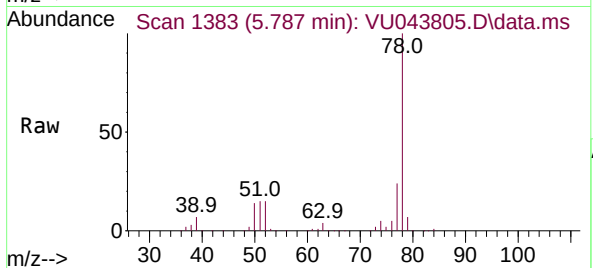




#27
1,2-Dichloroethane
Concen: 0.13 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.016 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

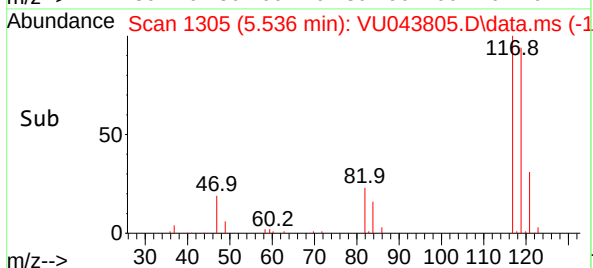
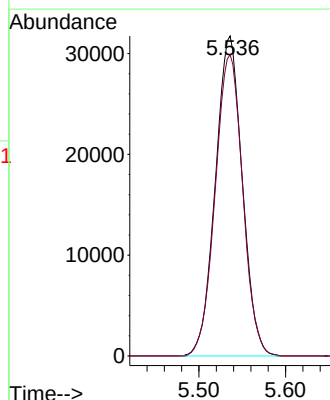
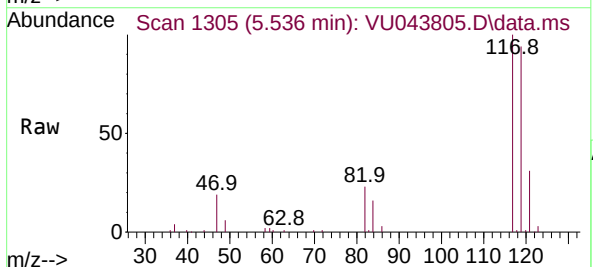
Instrument :
MSVOA_U
ClientSampled :

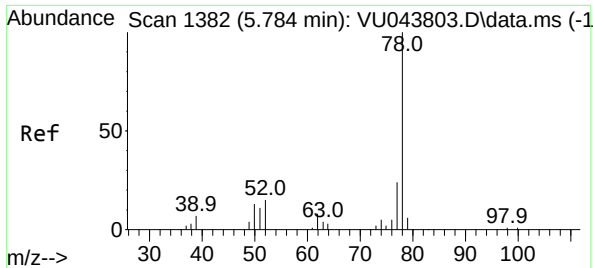
Tgt Ion: 62 Resp: 2480
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#



#31
Carbon tetrachloride
Concen: 3.15 ug/L
RT: 5.536 min Scan# 1305
Delta R.T. 0.003 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Tgt Ion: 117 Resp: 68477
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.0

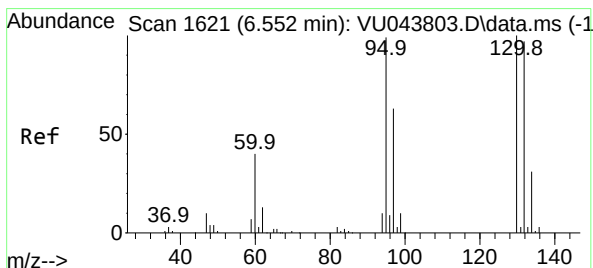
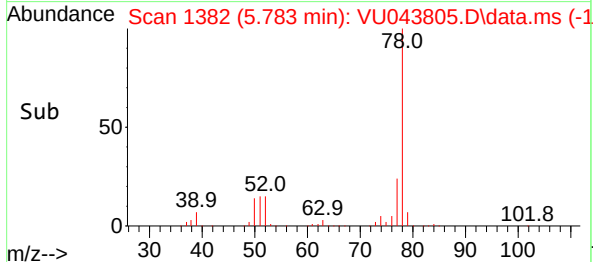
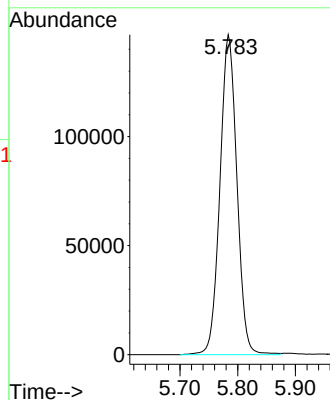
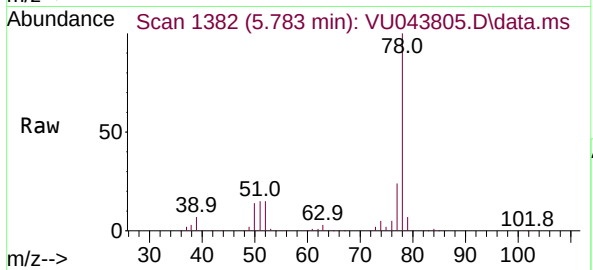




#33
Benzene
Concen: 4.15 ug/L
RT: 5.783 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Instrument :
MSVOA_U
ClientSampled :

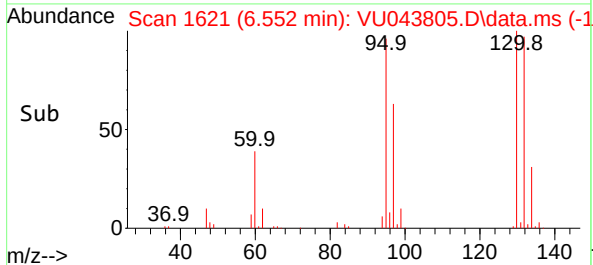
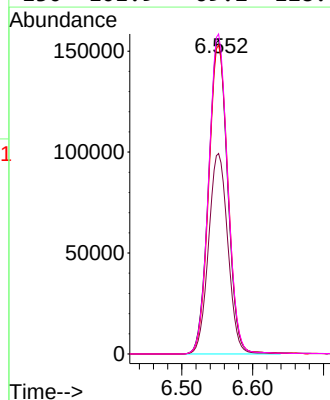
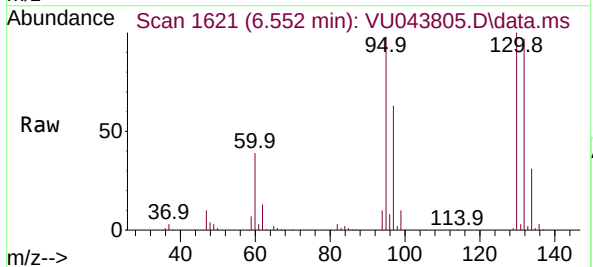
Tgt Ion: 78 Resp: 299211

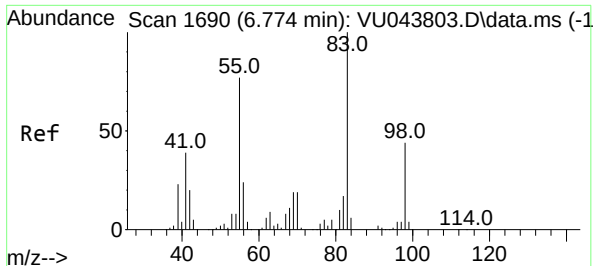


#34
Trichloroethene
Concen: 15.71 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU043805.D
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Tgt Ion: 95 Resp: 290835

Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.3	82.3
132	98.4	66.0	122.6
130	101.9	69.2	128.6





#35

Methylcyclohexane

Concen: 0.73 ug/L

RT: 6.700 min Scan# 1667

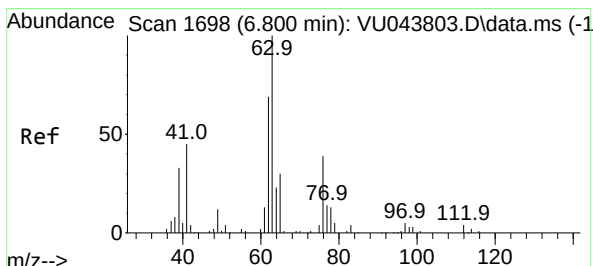
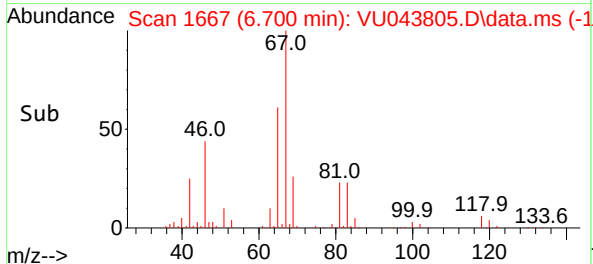
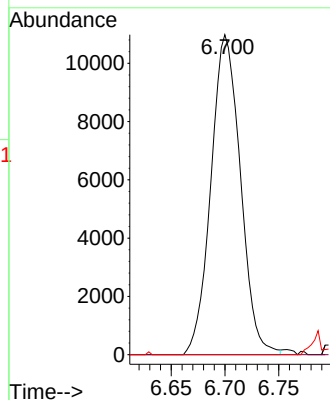
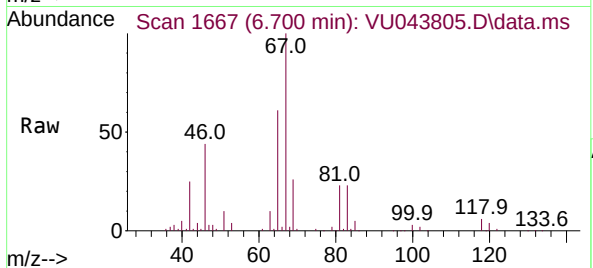
Delta R.T. -0.074 min

Lab File: VU043805.D

Acq: 18 May 2021 11:34

Tgt Ion:	83	Resp:	20957
Ion Ratio	Lower	Upper	
83	100		
55	0.0	64.8	97.2#
98	2.2	35.9	53.9#

Instrument :
MSVOA_U
ClientSampled :



#37

1,2-Dichloropropane

Concen: 3.97 ug/L

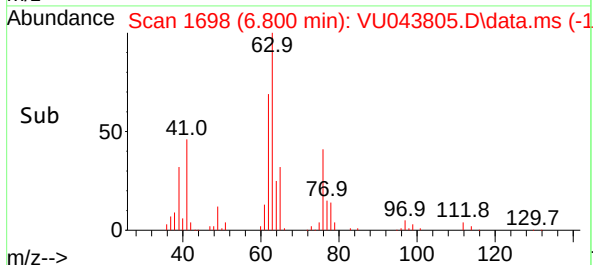
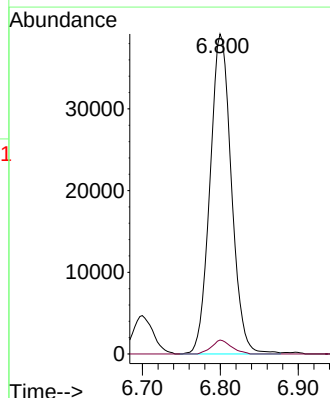
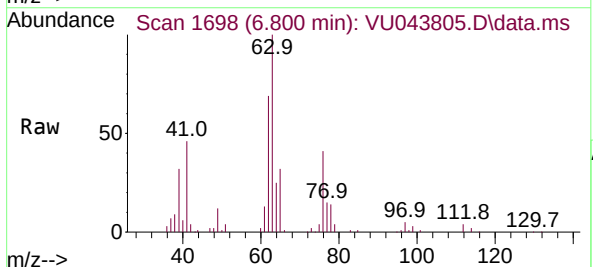
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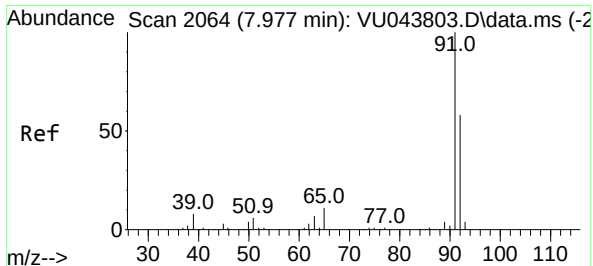
Delta R.T. -0.000 min

Lab File: VU043805.D

Acq: 18 May 2021 11:34

Tgt Ion:	63	Resp:	74882
Ion Ratio	Lower	Upper	
63	100		
112	4.0	3.3	4.9

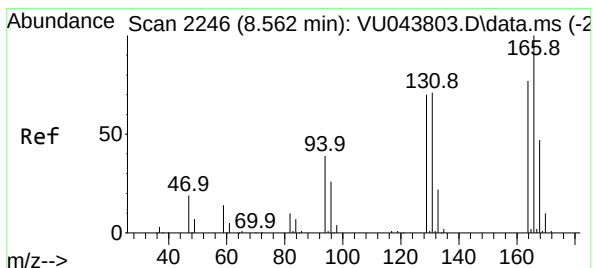
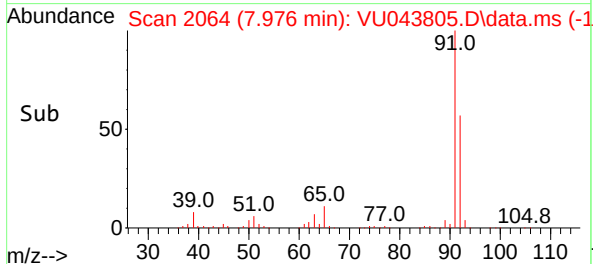
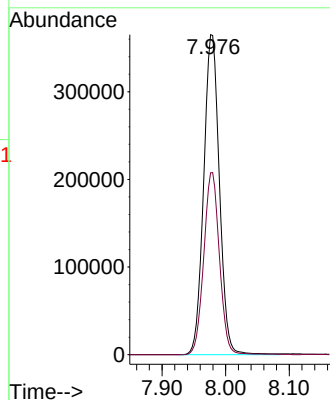
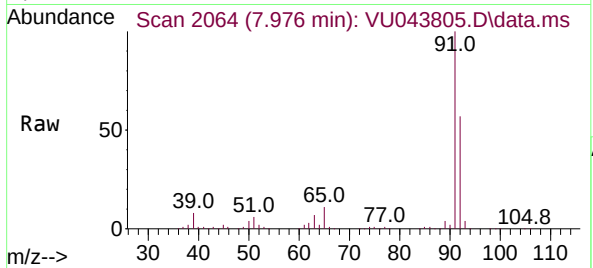




#42
Toluene
Concen: 8.28 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

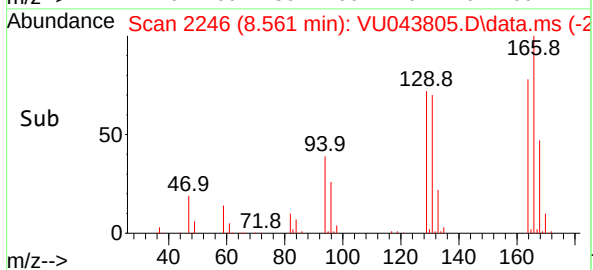
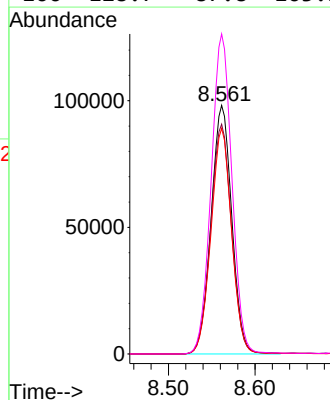
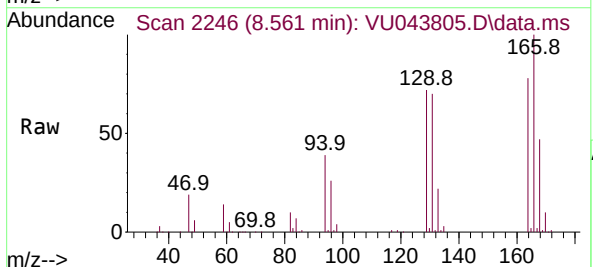
Instrument :
MSVOA_U
ClientSampled :

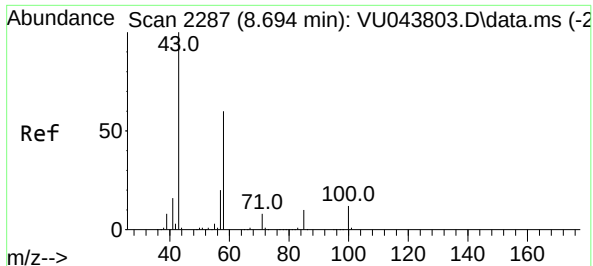
Tgt Ion: 91 Resp: 627325
Ion Ratio Lower Upper
91 100
92 56.9 40.3 74.8



#47
Tetrachloroethene
Concen: 10.92 ug/L
RT: 8.561 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

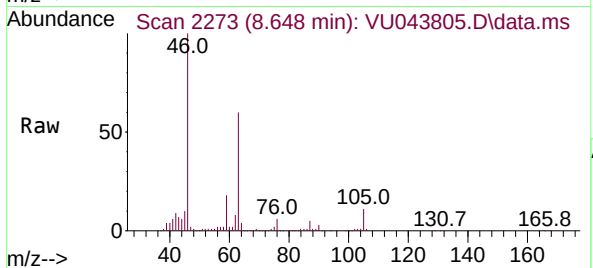
Tgt Ion:164 Resp: 163405
Ion Ratio Lower Upper
164 100
129 92.4 64.1 119.1
131 90.7 61.2 113.8
166 128.7 87.8 163.2



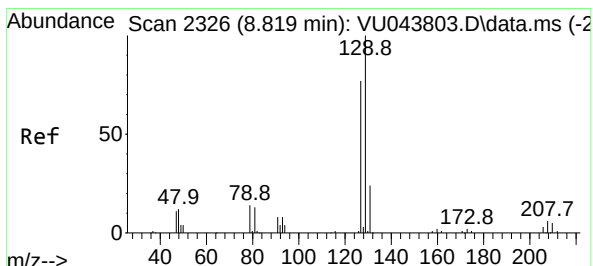
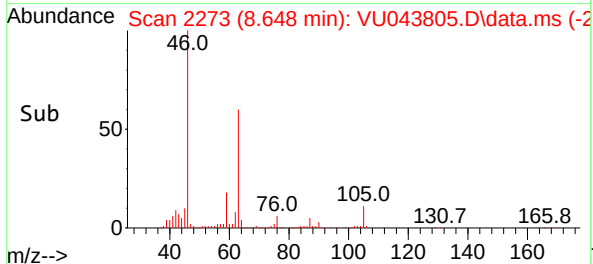
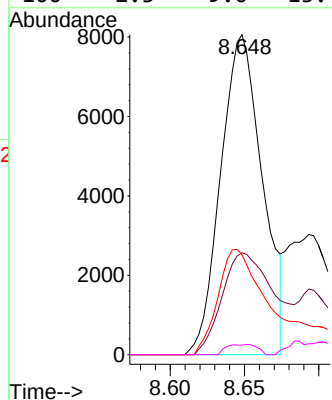


#48
2-Hexanone
Concen: 1.76 ug/L
RT: 8.648 min Scan# 2273
Delta R.T. -0.045 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Instrument :
MSVOA_U
ClientSampled :

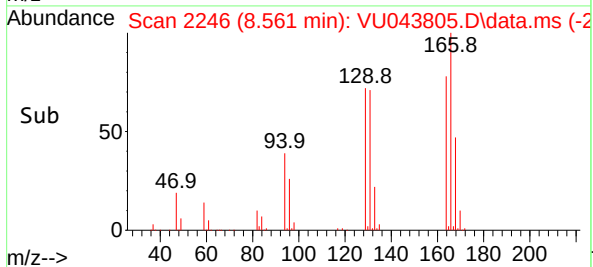
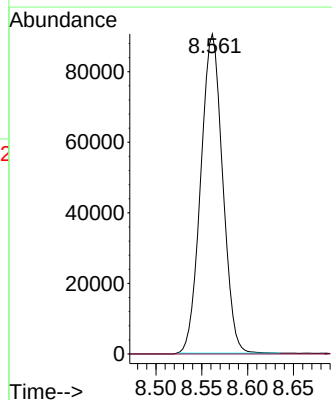
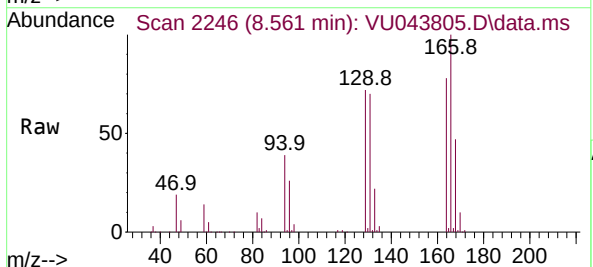


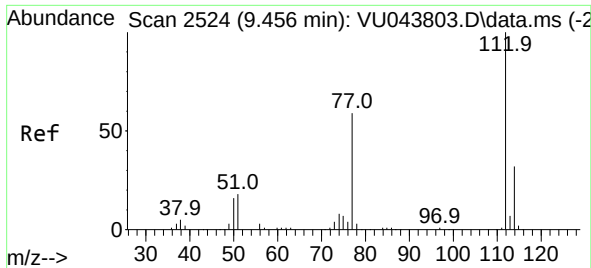
Tgt Ion: 43	Resp: 15722
Ion Ratio	Lower Upper
43 100	
58 40.8	47.0 70.4#
57 46.0	15.8 23.8#
100 2.3	9.0 13.4#



#49
Dibromochloromethane
Concen: 9.93 ug/L
RT: 8.561 min Scan# 2246
Delta R.T. -0.258 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

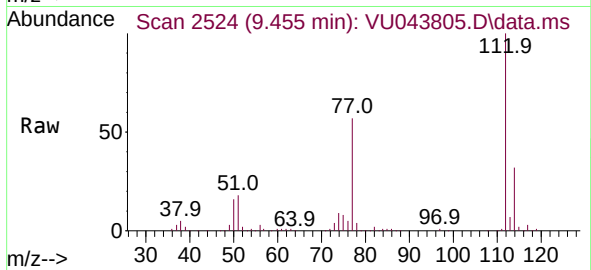
Tgt Ion:129	Resp: 150193		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	53.4	99.2#	



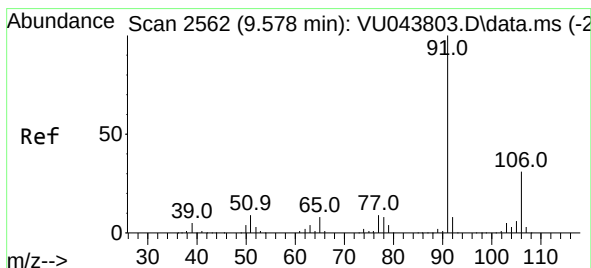
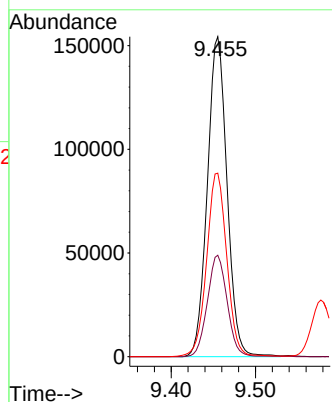
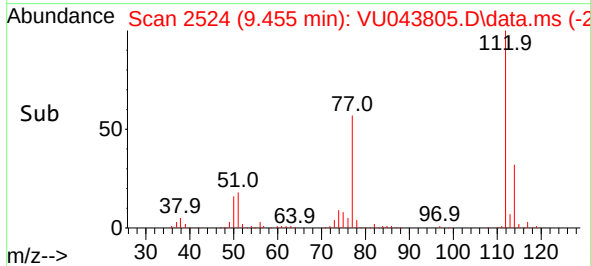


#51
Chlorobenzene
Concen: 5.29 ug/L
RT: 9.455 min Scan# 2524
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

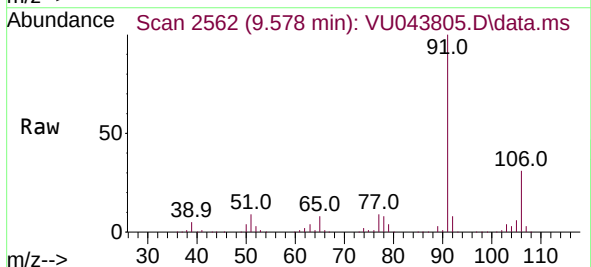
Instrument :
MSVOA_U
ClientSampleId :



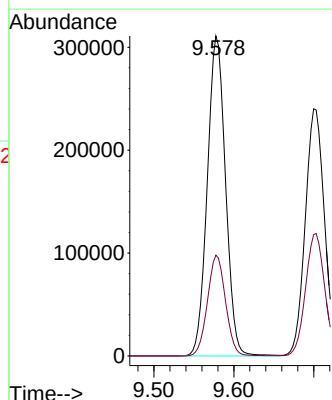
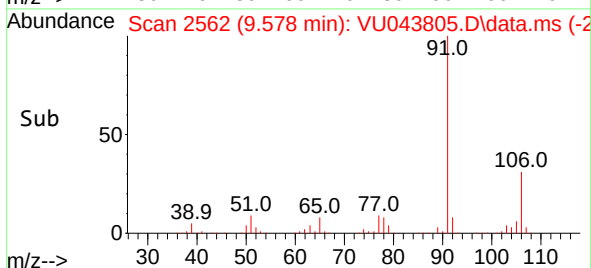
Tgt Ion:112 Resp: 250473
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 57.3 47.8 71.8

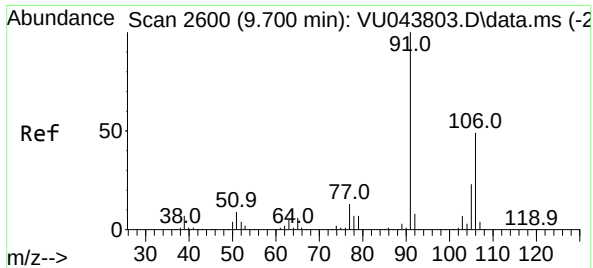


#52
Ethylbenzene
Concen: 6.36 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34



Tgt Ion: 91 Resp: 493256
Ion Ratio Lower Upper
91 100
106 31.5 21.7 40.3

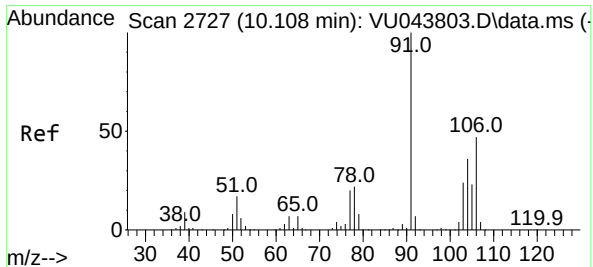
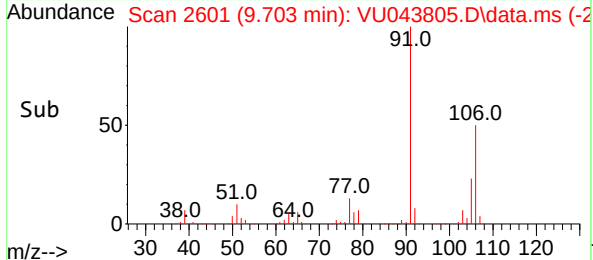
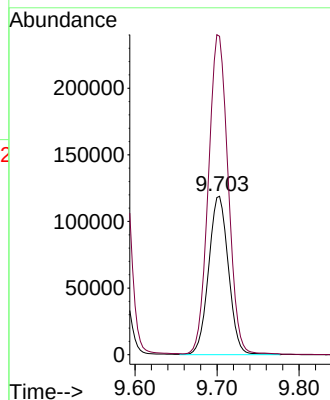
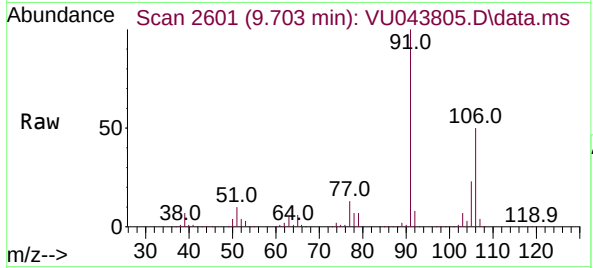




#53
m,p-Xylene
Concen: 6.76 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

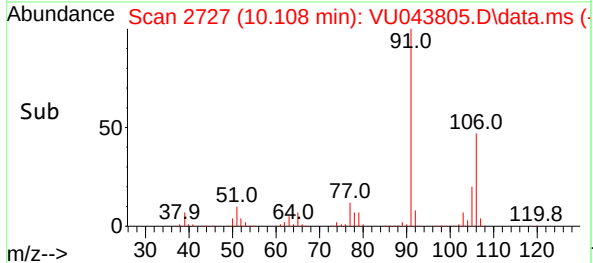
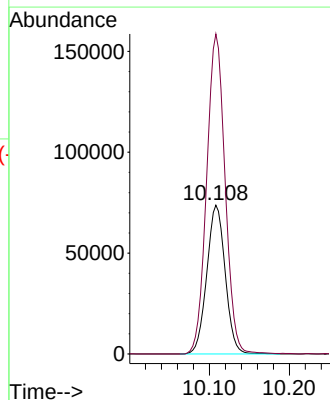
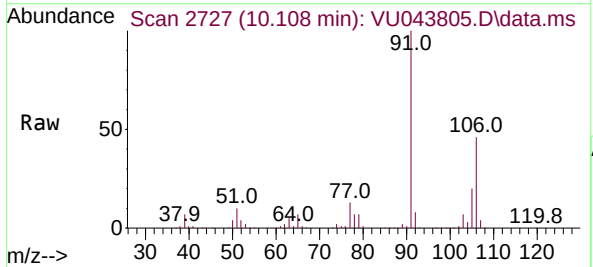
Instrument :
MSVOA_U
ClientSampled :

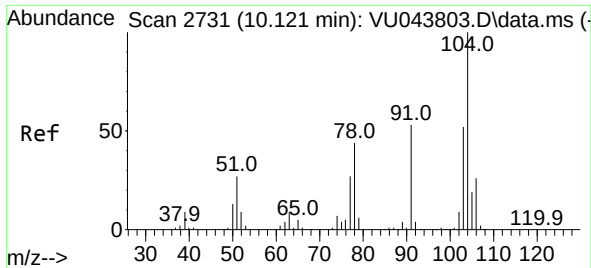
Tgt Ion:106 Resp: 199347
Ion Ratio Lower Upper
106 100
91 201.0 144.4 268.2



#54
o-Xylene
Concen: 4.20 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Tgt Ion:106 Resp: 118341
Ion Ratio Lower Upper
106 100
91 215.1 150.8 280.0

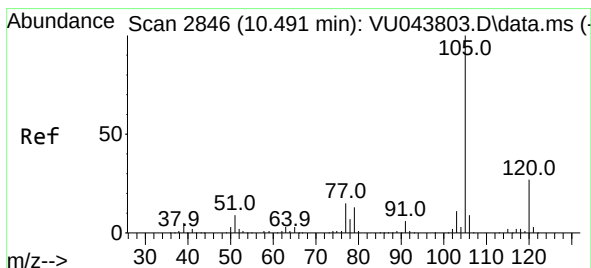
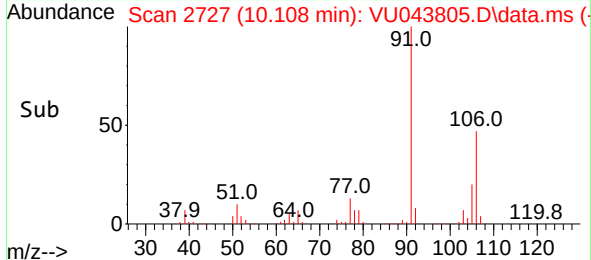
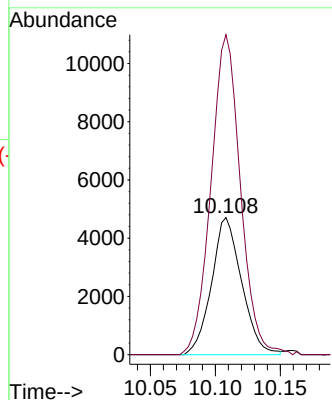
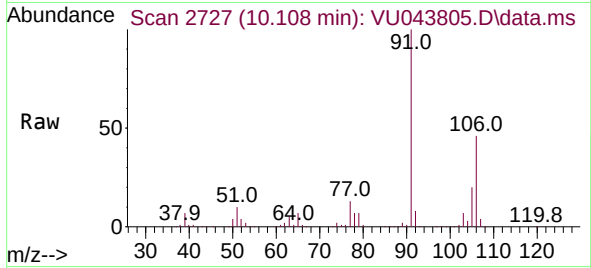




#55
Styrene
Concen: 0.16 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.013 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

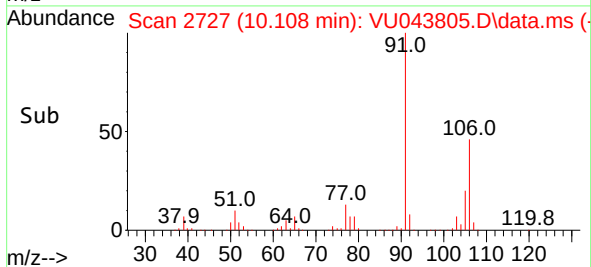
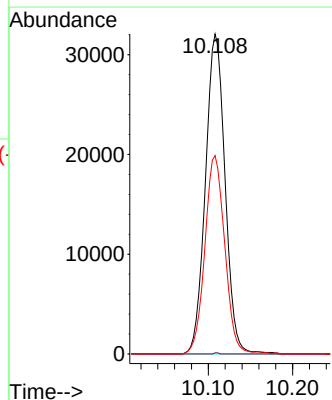
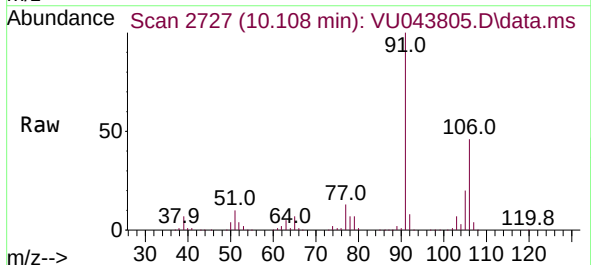
Instrument :
MSVOA_U
ClientSampled :

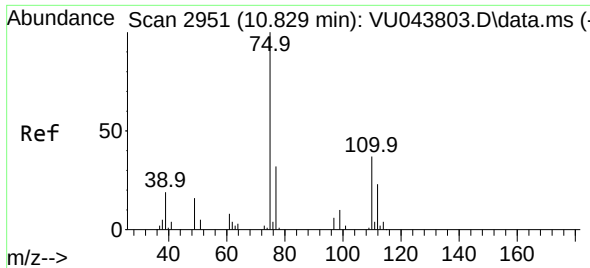
Tgt Ion:104 Resp: 7580
Ion Ratio Lower Upper
104 100
78 233.3 31.8 59.0#



#60
Isopropylbenzene
Concen: 0.72 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.383 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Tgt Ion:105 Resp: 52021
Ion Ratio Lower Upper
105 100
120 0.0 21.3 31.9#
77 62.6 12.6 19.0#

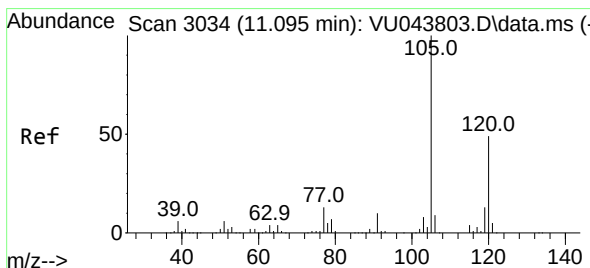
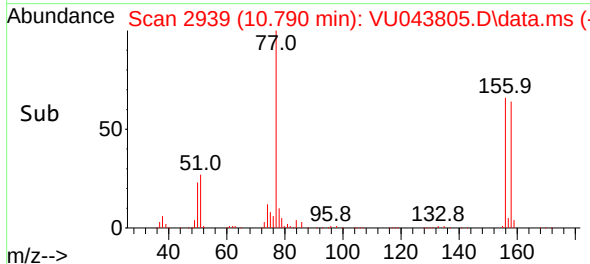
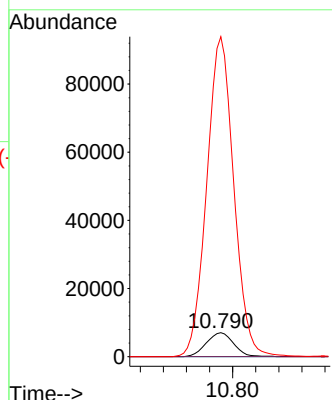
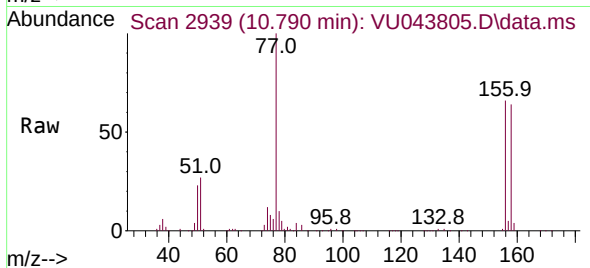




#61
1,2,3-Trichloropropane
Concen: 0.92 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. -0.039 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

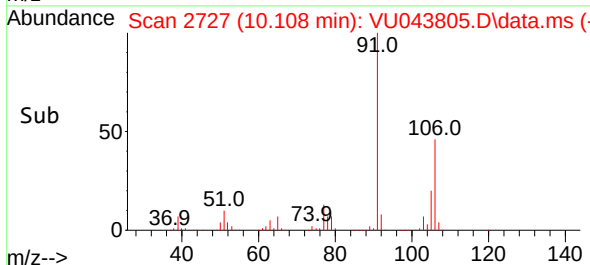
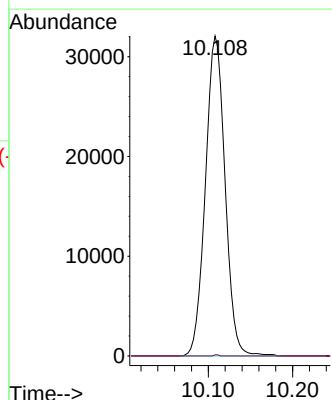
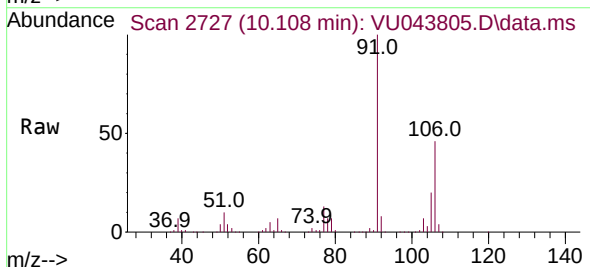
Instrument :
MSVOA_U
ClientSampled :

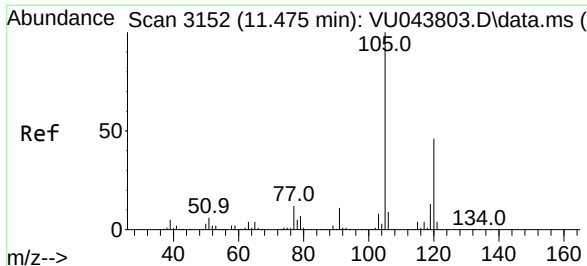
Tgt Ion: 75 Resp: 11596
Ion Ratio Lower Upper
75 100
110 0.0 27.9 41.9#
77 1318.2 25.9 38.9#



#62
1,3,5-Trimethylbenzene
Concen: 0.89 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.987 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Tgt Ion: 105 Resp: 52021
Ion Ratio Lower Upper
105 100
120 0.0 38.9 58.3#

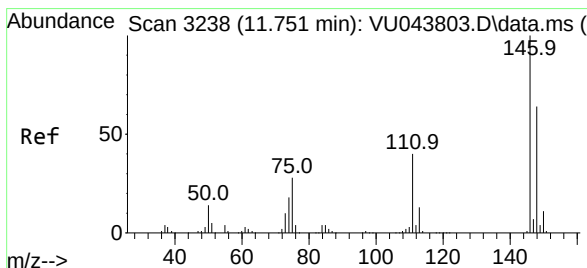
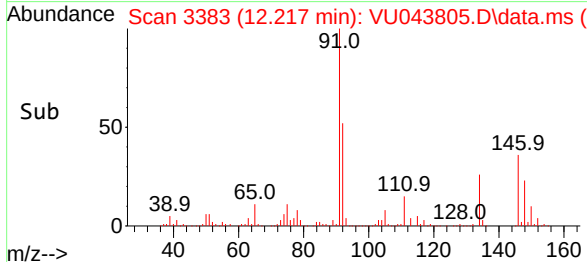
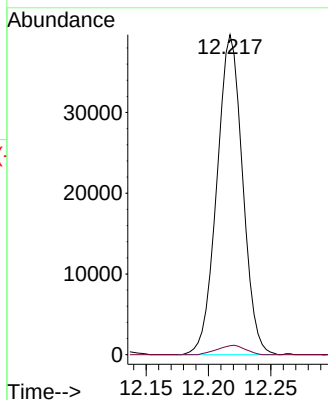
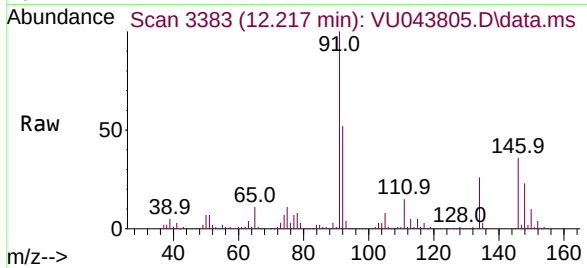




#63
1,2,4-Trimethylbenzene
Concen: 0.96 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. 0.742 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

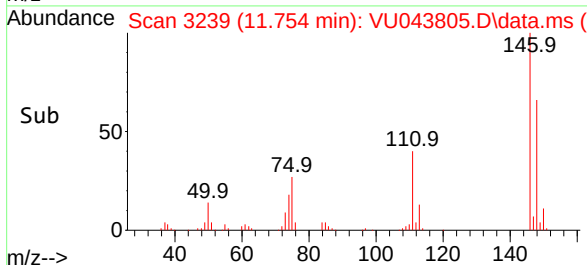
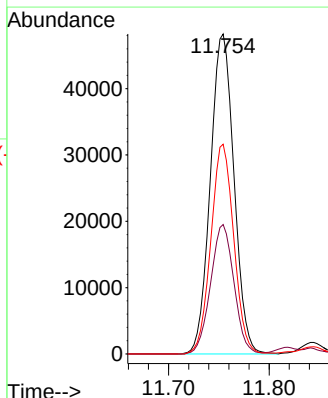
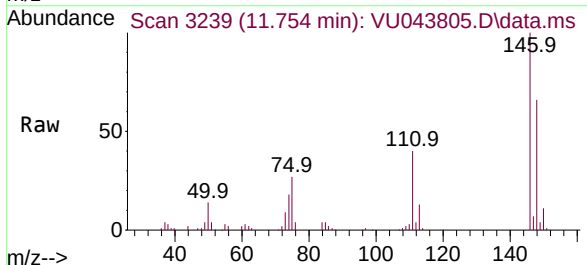
Instrument :
MSVOA_U
ClientSampled :

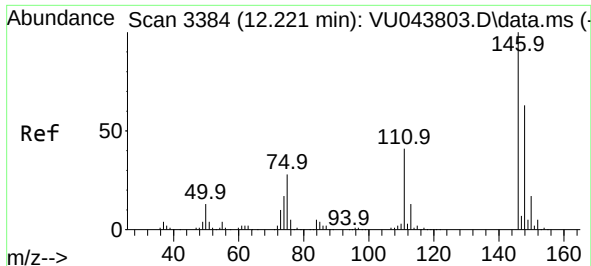
Tgt Ion:105 Resp: 57024
Ion Ratio Lower Upper
105 100
120 3.2 36.0 54.0#



#64
1,3-Dichlorobenzene
Concen: 2.12 ug/L
RT: 11.754 min Scan# 3239
Delta R.T. 0.003 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Tgt Ion:146 Resp: 78818
Ion Ratio Lower Upper
146 100
111 40.4 28.1 52.1
148 65.6 45.6 84.6

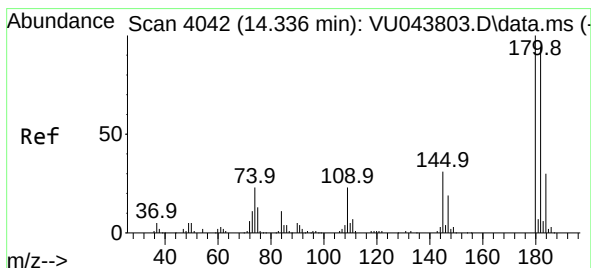
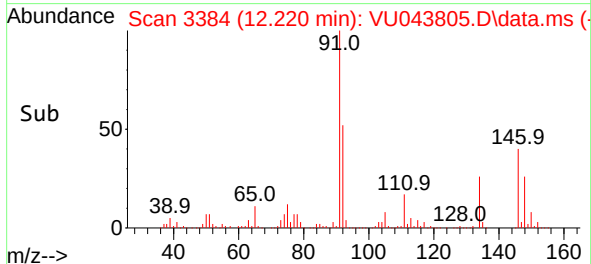
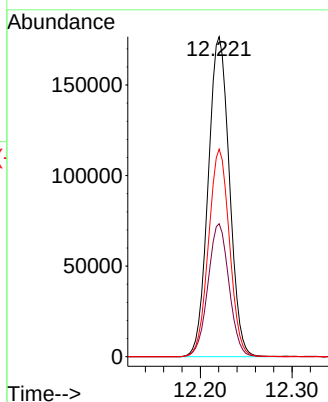
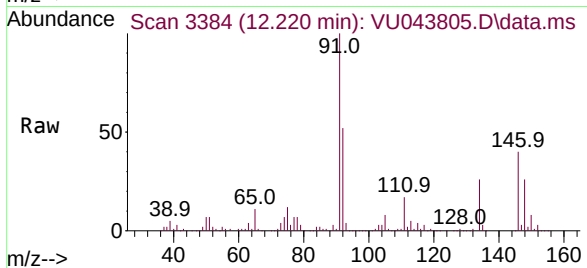




#67
1,2-Dichlorobenzene
Concen: 7.93 ug/L
RT: 12.220 min Scan# 3384
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:146 Resp: 283477
Ion Ratio Lower Upper
146 100
111 41.5 33.6 50.4
148 64.9 50.2 75.2



#72
1,2,3-Trichlorobenzene
Concen: 4.78 ug/L
RT: 14.339 min Scan# 4043
Delta R.T. 0.003 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

Tgt Ion:180 Resp: 110767
Ion Ratio Lower Upper
180 100
182 98.8 77.0 115.4
145 31.2 24.6 36.8

