

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 :
 X3429

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
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
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
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
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
54) o-Xylene	10.108	106	118341	4.20	ug/L	100
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

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed May 19 01:40:07 2021
Response via : Initial Calibration

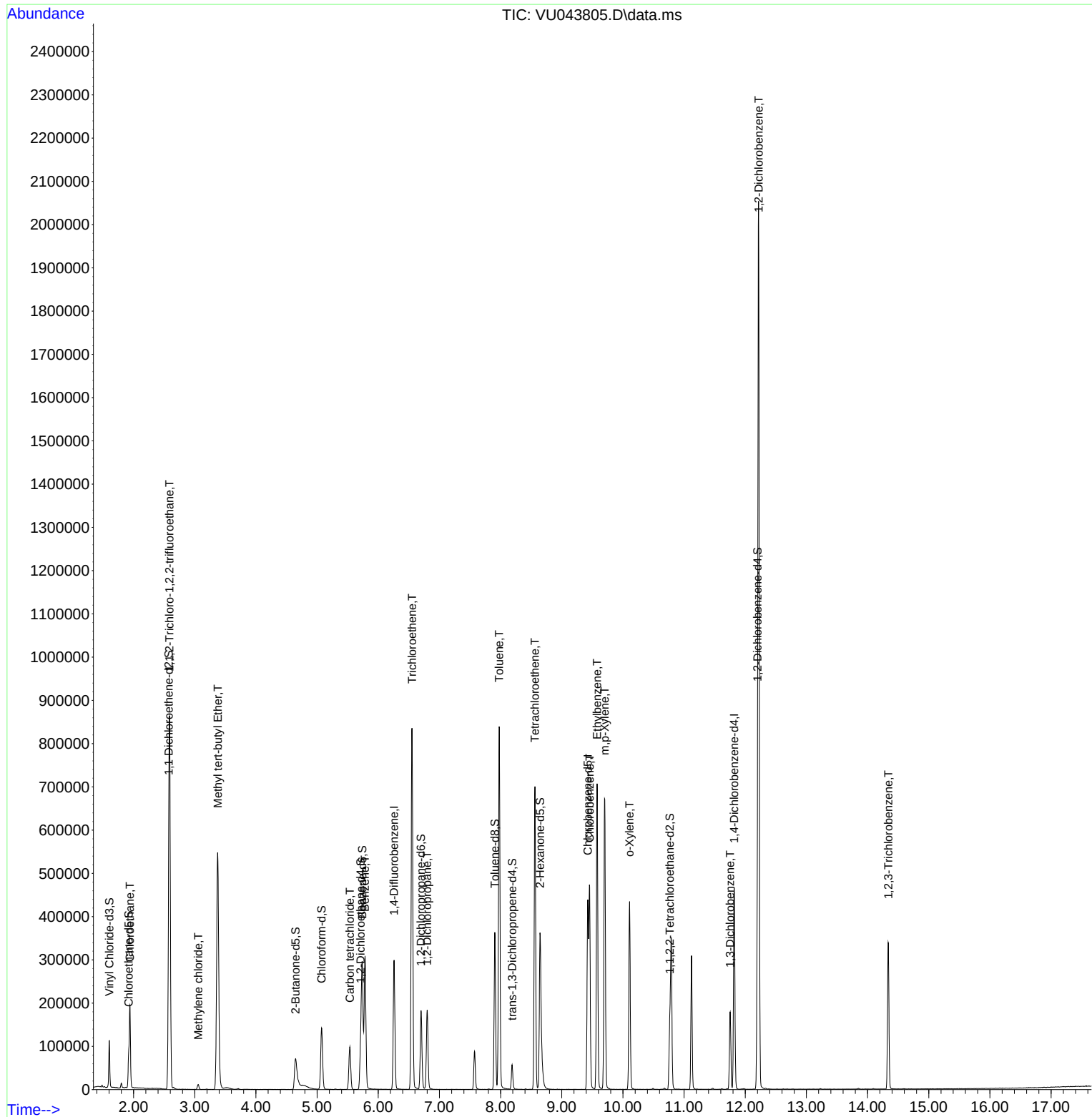
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

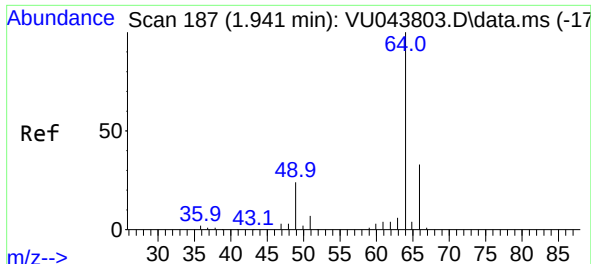
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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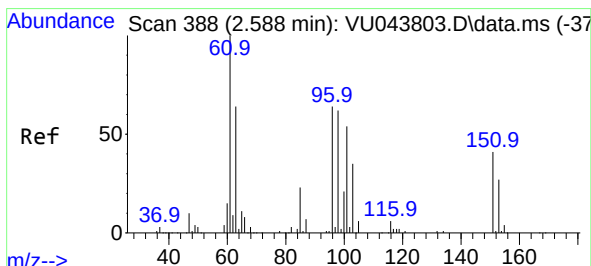
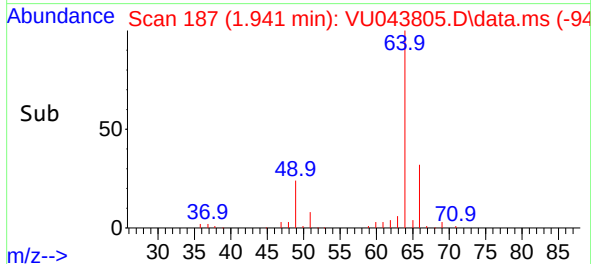
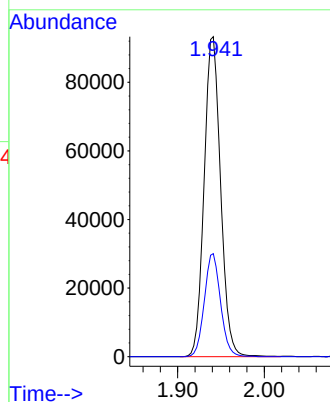
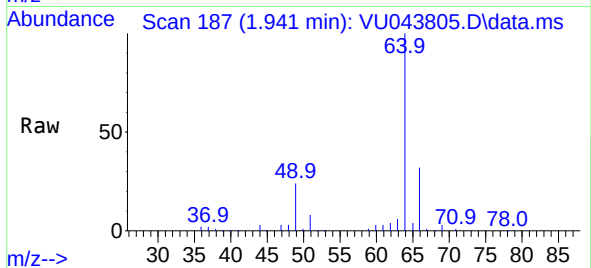




#8
Chloroethane
Concen: 10.53 ug/L
RT: 1.941 min Scan# 187
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

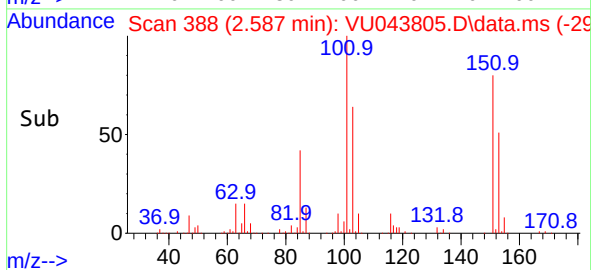
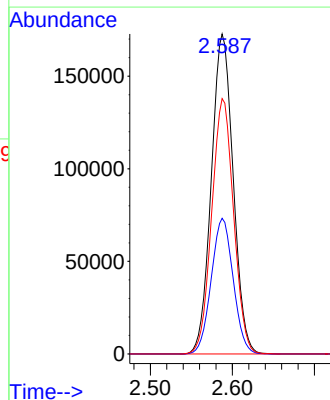
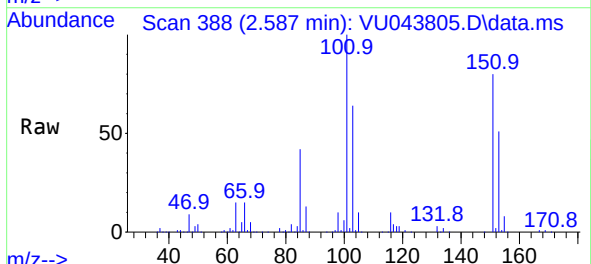
Instrument :
MSVOA_U
ClientSampled :
X3429

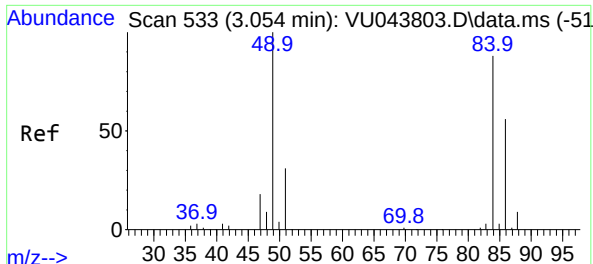
Tgt Ion: 64 Resp: 123061
Ion Ratio Lower Upper
64 100
66 32.2 23.4 43.6



#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

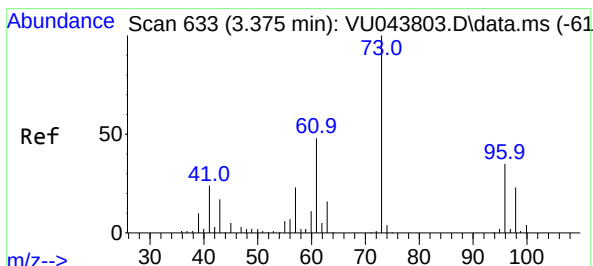
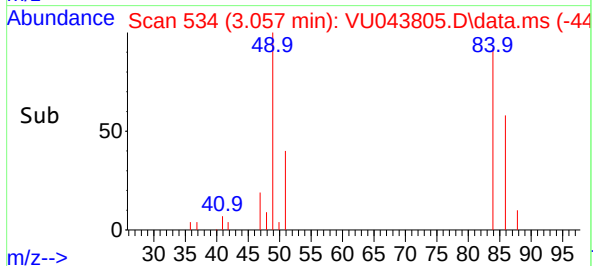
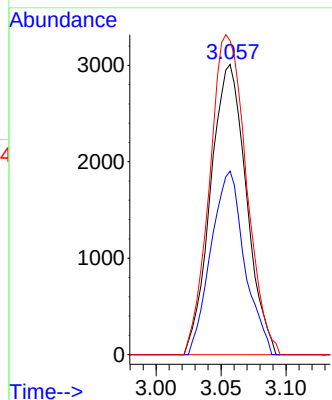
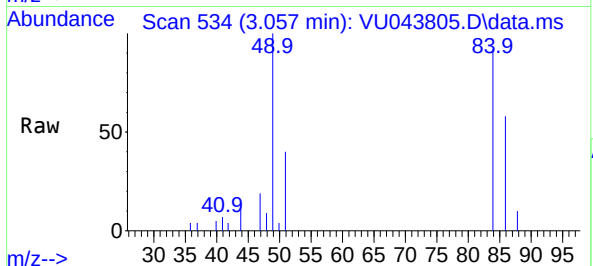




#16
Methylene chloride
Concen: 0.24 ug/L
RT: 3.057 min Scan# 534
Delta R.T. 0.003 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

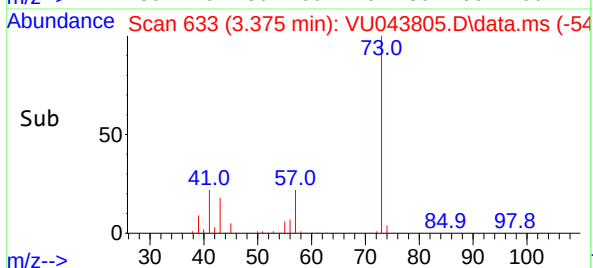
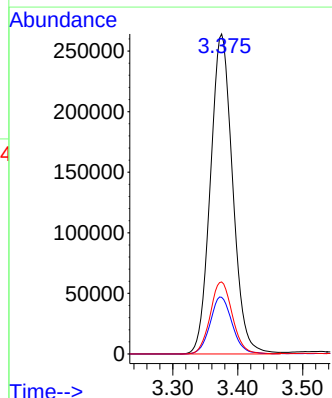
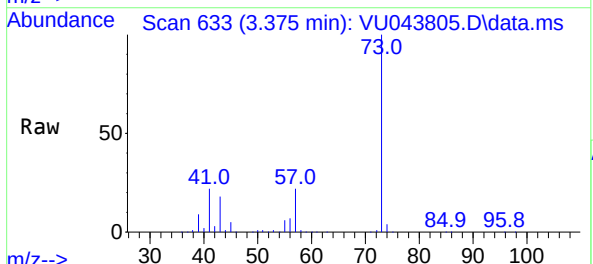
Instrument :
MSVOA_U
ClientSampleId :
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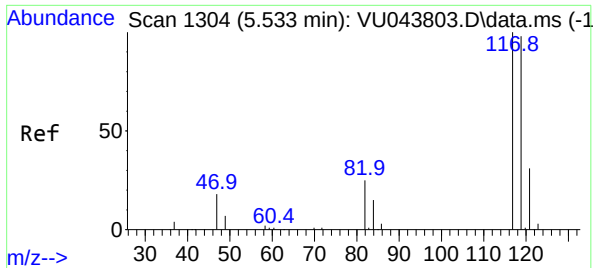
Tgt Ion: 84 Resp: 5753
Ion Ratio Lower Upper
84 100
86 63.2 44.7 82.9
49 108.1 83.1 154.3



#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

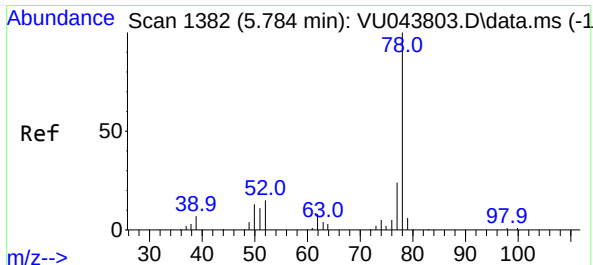
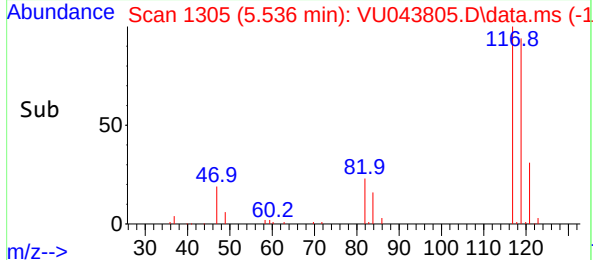
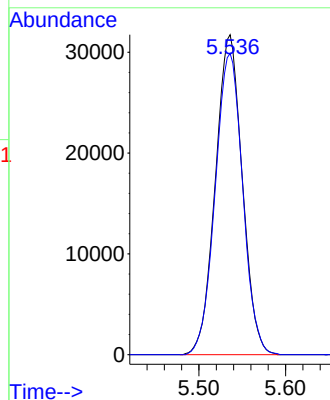
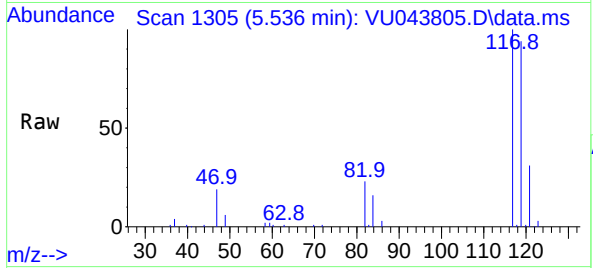




#31
Carbon tetrachloride
Concen: 3.15 ug/L
RT: 5.536 min Scan# 1305
Delta R.T. 0.003 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

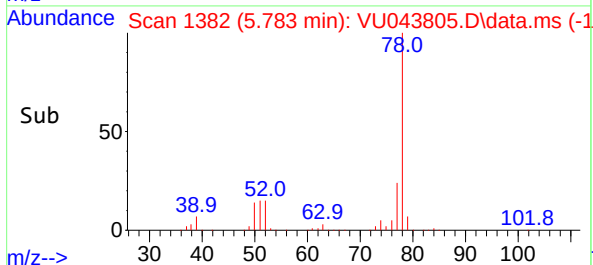
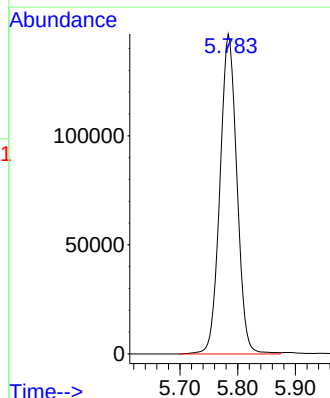
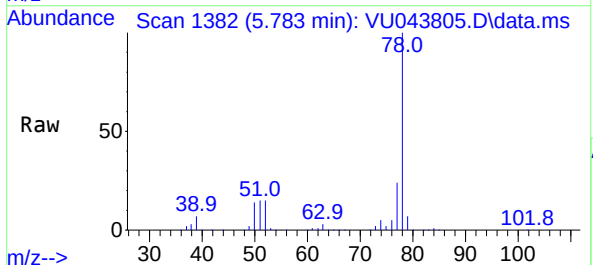
Instrument :
MSVOA_U
ClientSampled :
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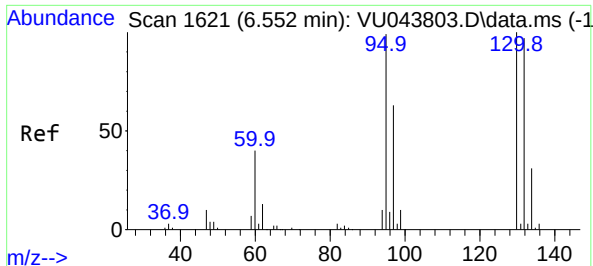
Tgt Ion:117 Resp: 68477
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.0



#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

Tgt Ion: 78 Resp: 299211

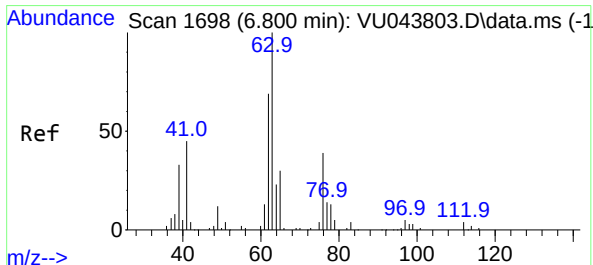
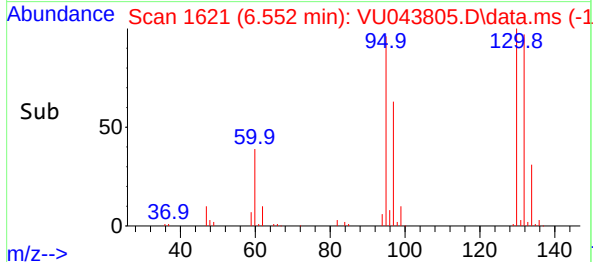
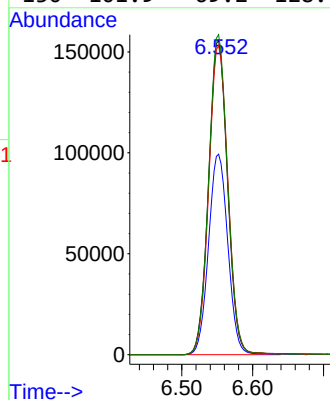
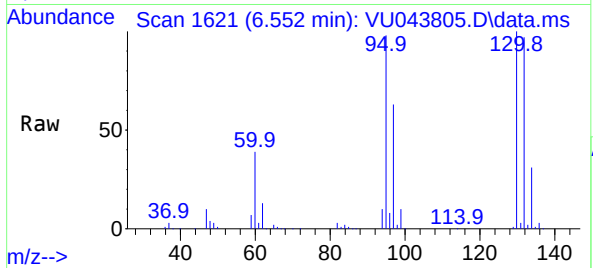




#34
Trichloroethene
Concen: 15.71 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

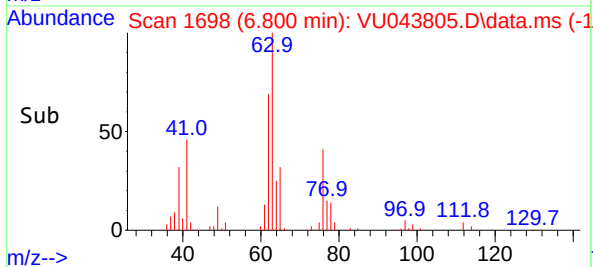
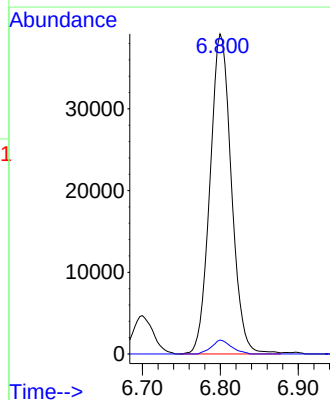
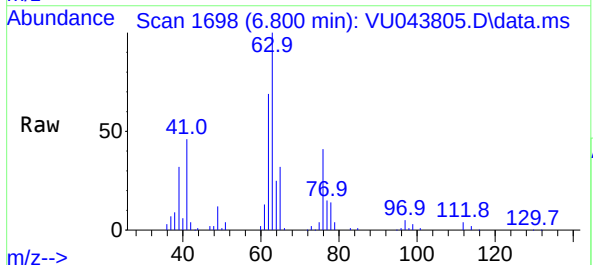
Instrument :
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ClientSampled :
X3429

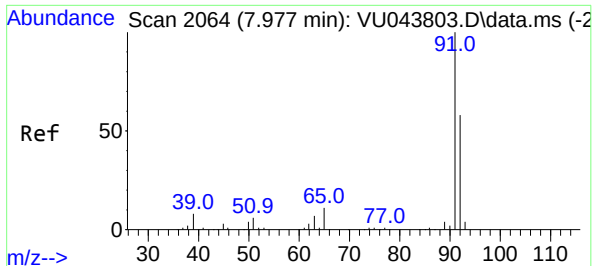
Tgt Ion: 95 Resp: 290835
Ion Ratio Lower Upper
95 100
97 63.8 44.3 82.3
132 98.4 66.0 122.6
130 101.9 69.2 128.6



#37
1,2-Dichloropropane
Concen: 3.97 ug/L
RT: 6.800 min Scan# 1698
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

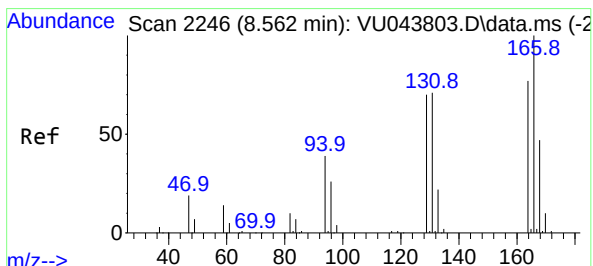
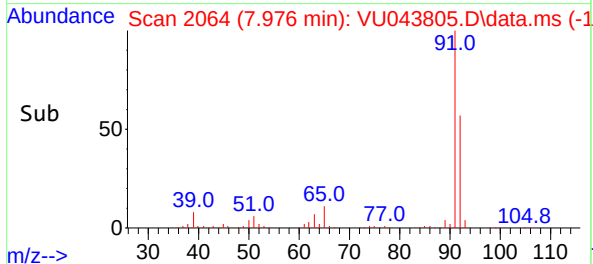
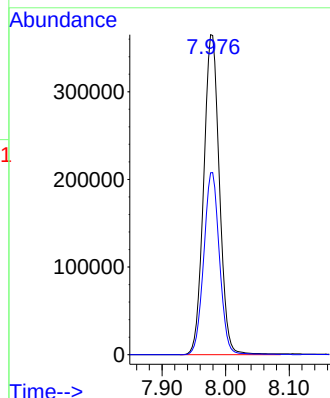
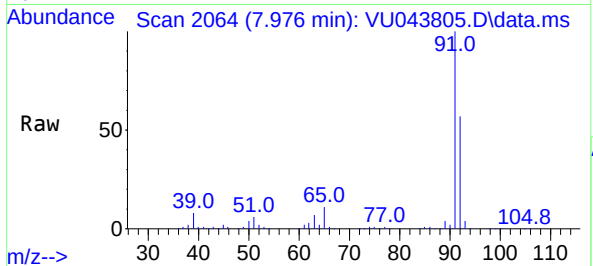




#42
Toluene
Concen: 8.28 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

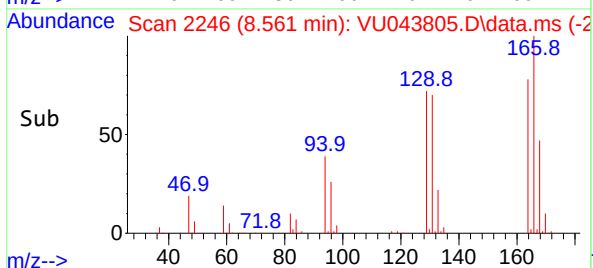
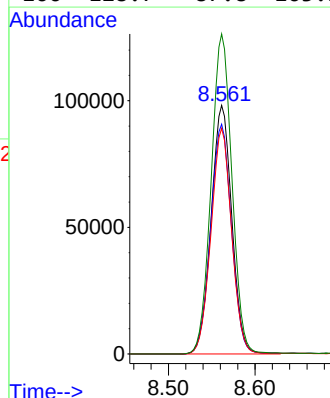
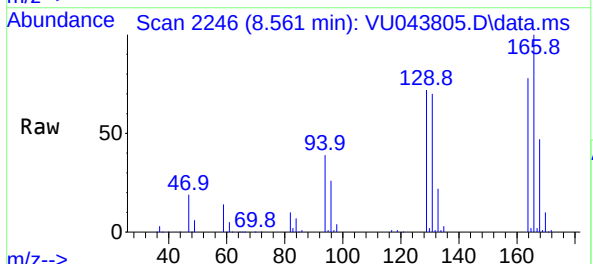
Instrument :
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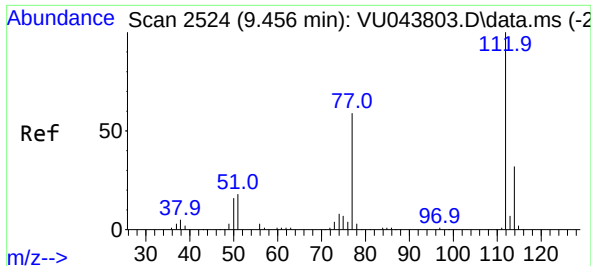
Tgt Ion: 91 Resp: 627325
Ion Ratio Lower Upper
91 100
92 56.9 40.3 74.8



#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

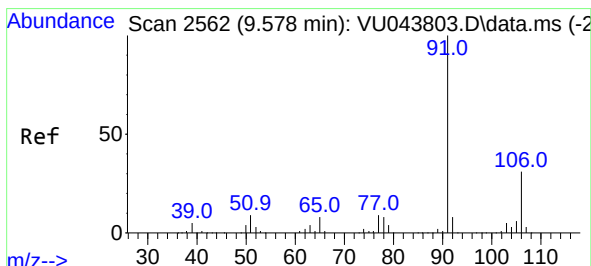
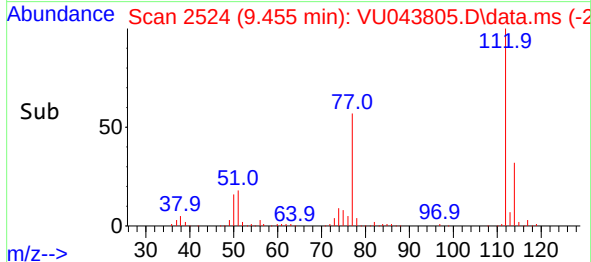
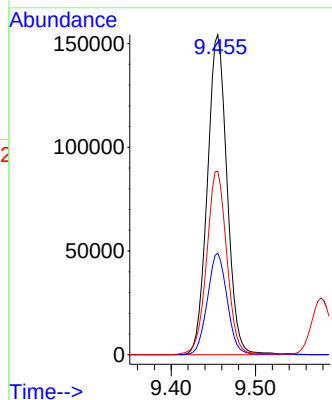
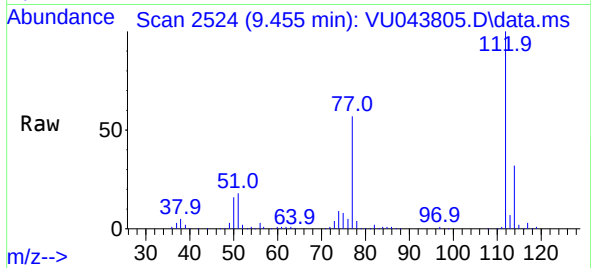




#51
Chlorobenzene
Concen: 5.29 ug/L
RT: 9.455 min Scan# 2524
Delta R.T. -0.000 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

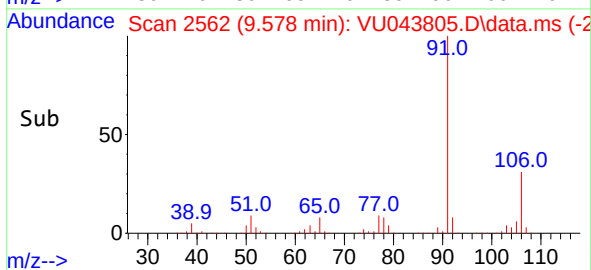
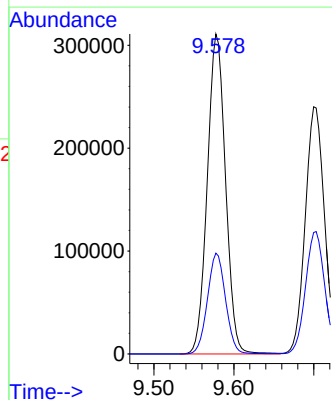
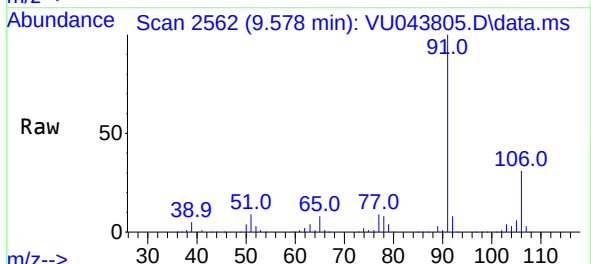
Instrument :
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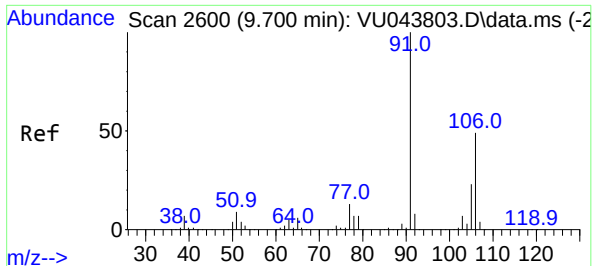
Tgt Ion:112 Resp: 250473
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 57.3 47.8 71.8



#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

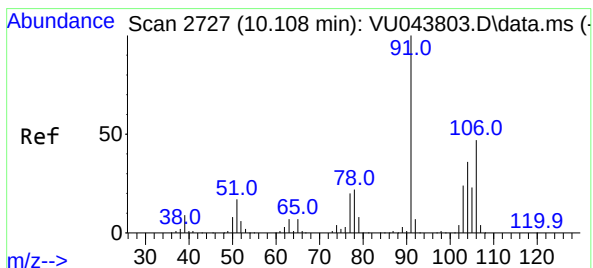
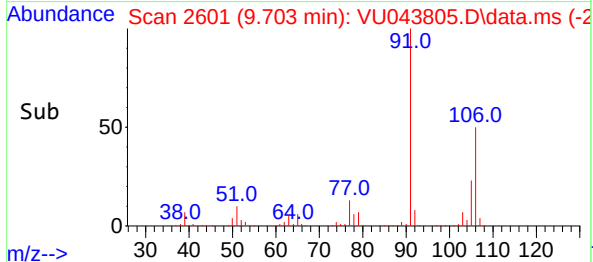
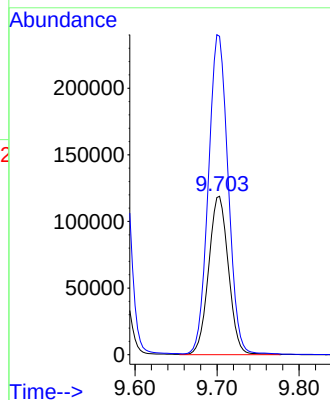
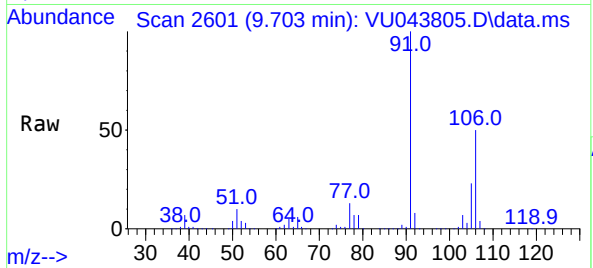




#53
m,p-Xylene
Concen: 6.76 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

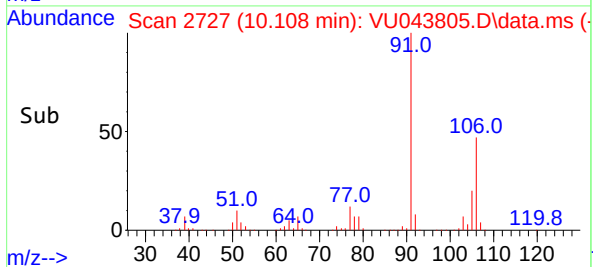
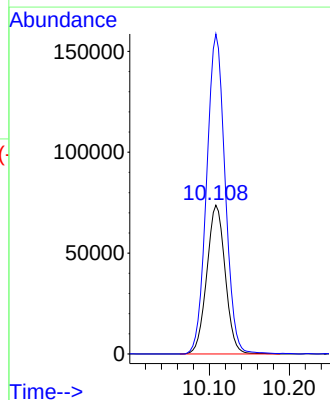
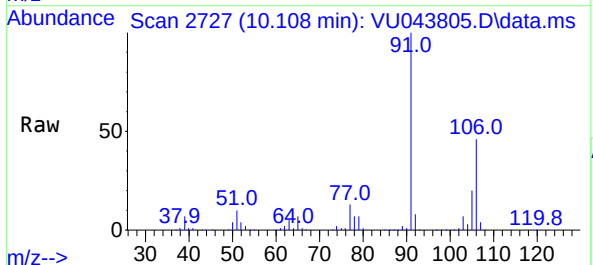
Instrument :
MSVOA_U
ClientSampled :
X3429

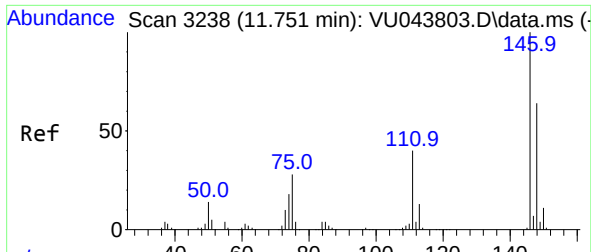
Tgt Ion:106 Resp: 199347
Ion Ratio Lower Upper
106 100
91 201.0 144.4 268.2



#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

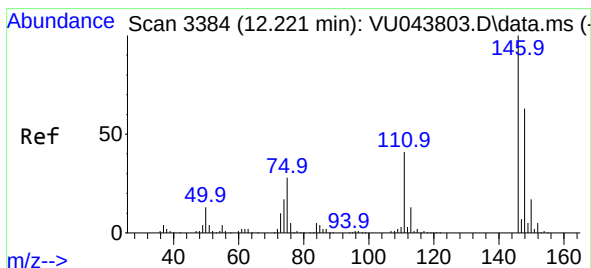
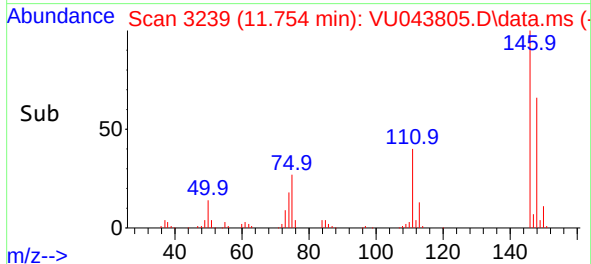
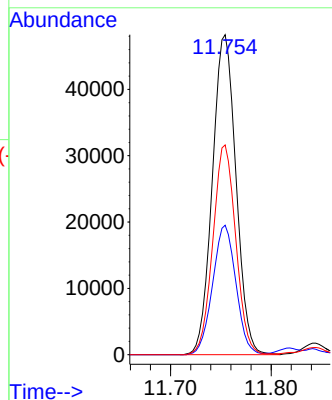
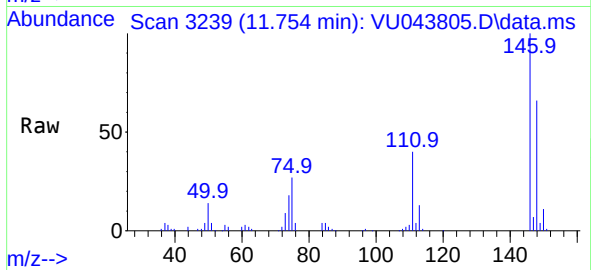




#64
1,3-Dichlorobenzene
Concen: 2.12 ug/L
RT: 11.754 min Scan# 3239
Delta R.T. 0.003 min
Lab File: VU043805.D
Acq: 18 May 2021 11:34

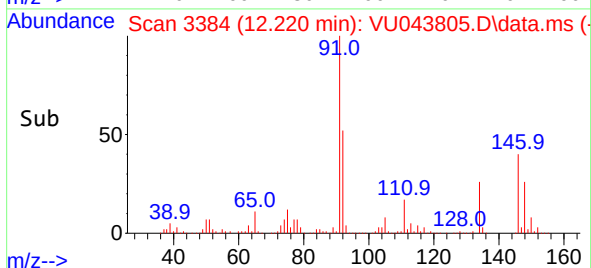
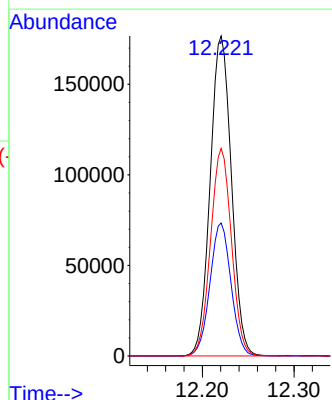
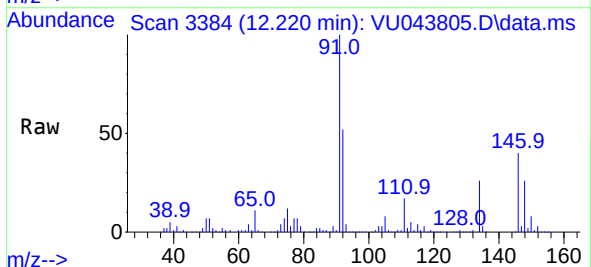
Instrument :
MSVOA_U
ClientSampled :
X3429

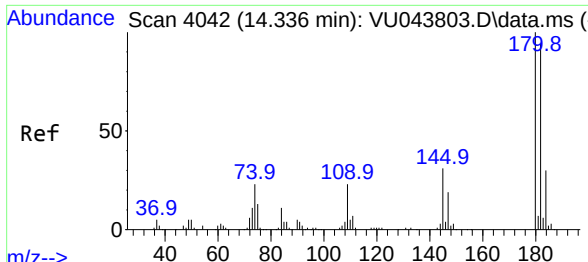
Tgt Ion:146 Resp: 78818
Ion Ratio Lower Upper
146 100
111 40.4 28.1 52.1
148 65.6 45.6 84.6



#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

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

Instrument :
 MSVOA_U
 ClientSampleId :
 X3429

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

