

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050322\
 Data File : VU048402.D
 Acq On : 03 May 2022 19:53
 Operator : SY/MD
 Sample : N2668-06MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXL67MSD

Quant Time: May 04 01:42:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 04 01:37:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	424700	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	435556	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	250134	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	199317	51.036	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.080%
7) Chloroethane-d5	1.890	69	147175	53.687	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.380%
11) 1,1-Dichloroethene-d2	2.565	63	291655	46.608	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.220%
21) 2-Butanone-d5	4.620	46	307617	92.351	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.350%
24) Chloroform-d	5.063	84	338371	47.767	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.540%
26) 1,2-Dichloroethane-d4	5.700	65	201447	47.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.860%
32) Benzene-d6	5.726	84	701081	51.037	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.080%
36) 1,2-Dichloropropane-d6	6.690	67	226355	49.842	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.680%
41) Toluene-d8	7.899	98	654015	52.525	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.040%
43) trans-1,3-Dichloroprop...	8.179	79	99485	49.645	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.280%
47) 2-Hexanone-d5	8.636	63	241085	98.393	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.390%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	393695	49.429	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	282648	50.232	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	119379	37.200	ug/L	99
3) Chloromethane	1.520	50	130512	35.532	ug/L	99
5) Vinyl chloride	1.604	62	148684	40.169	ug/L	96
6) Bromomethane	1.832	94	61333	36.054	ug/L	97
8) Chloroethane	1.916	64	91481	43.710	ug/L	100
9) Trichlorofluoromethane	2.128	101	210700	43.679	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	137154	42.870	ug/L	99
12) 1,1-Dichloroethene	2.575	96	119606	42.829	ug/L	86
13) Acetone	2.623	43	169749	79.381	ug/L	100
14) Carbon disulfide	2.790	76	237612	34.911	ug/L	98
15) Methyl Acetate	2.944	43	157610	37.129	ug/L	98
16) Methylene chloride	3.044	84	163635	45.449	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	127650	44.000	ug/L	94
18) Methyl tert-butyl Ether	3.362	73	477258	49.859	ug/L	99
19) 1,1-Dichloroethane	3.867	63	274086	45.179	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	168242	48.110	ug/L	92
22) 2-Butanone	4.700	43	286292	90.538	ug/L	96
23) Bromochloromethane	4.973	128	92887	47.576	ug/L	95
25) Chloroform	5.089	83	314171	50.714	ug/L	99

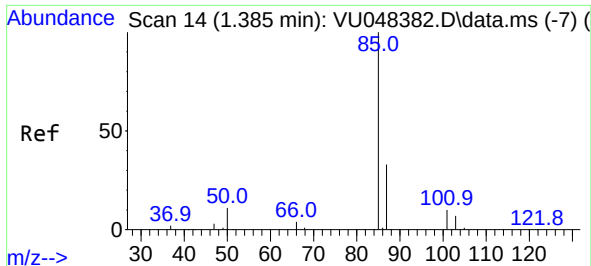
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	209142	46.284	ug/L	98
29) Cyclohexane	5.388	56	177194	43.058	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	237306	48.180	ug/L	99
31) Carbon tetrachloride	5.523	117	195750	46.629	ug/L	100
33) Benzene	5.774	78	616786	47.829	ug/L	100
34) Trichloroethene	6.542	95	149040	47.152	ug/L	99
35) Methylcyclohexane	6.764	83	197439	44.491	ug/L	97
37) 1,2-Dichloropropane	6.790	63	175642	47.872	ug/L	99
38) Bromodichloromethane	7.105	83	224961	48.551	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	248616	48.188	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	566464	102.363	ug/L	98
42) Toluene	7.970	91	668036	49.341	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	241220	47.859	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	189754	49.294	ug/L	98
46) Tetrachloroethene	8.552	164	139864	51.558	ug/L	99
48) 2-Hexanone	8.687	43	485387	105.036	ug/L	99
49) Dibromochloromethane	8.812	129	202811	47.946	ug/L	100
50) 1,2-Dibromoethane	8.925	107	191196	48.979	ug/L	99
51) Chlorobenzene	9.449	112	466072	47.758	ug/L	99
52) Ethylbenzene	9.571	91	702167	50.078	ug/L	100
53) m,p-Xylene	9.693	106	279704	50.550	ug/L	99
54) o-Xylene	10.102	106	290150	52.052	ug/L	99
55) Styrene	10.115	104	503198	52.991	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	384664	50.631	ug/L	99
59) Bromoform	10.291	173	177392	48.867	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	289037	49.533	ug/L	99
61) Isopropylbenzene	10.484	105	736682	52.674	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	390065	52.916	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	617422	54.479	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	390546	49.809	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	388503	48.534	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	415734	50.331	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	76403	49.047	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	287848	49.404	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	239398	52.009	ug/L	99
71) Naphthalene	14.086	128	771087	58.536	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	254283	53.904	ug/L	99

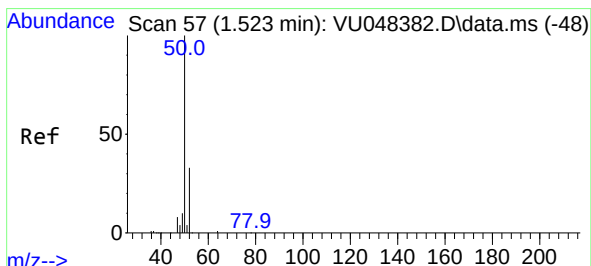
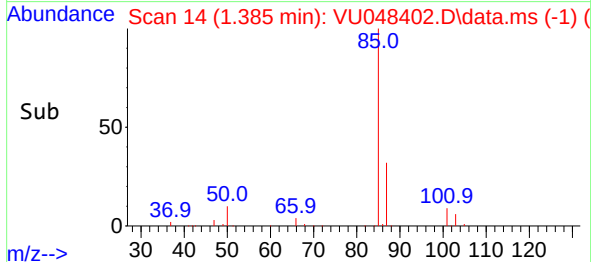
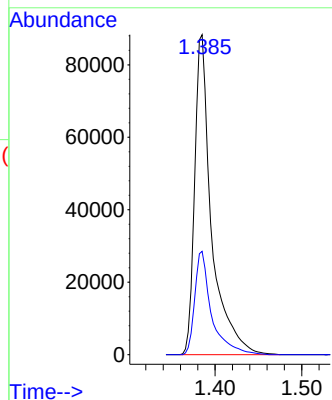
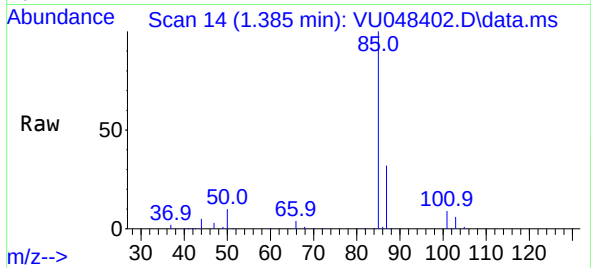
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 37.200 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

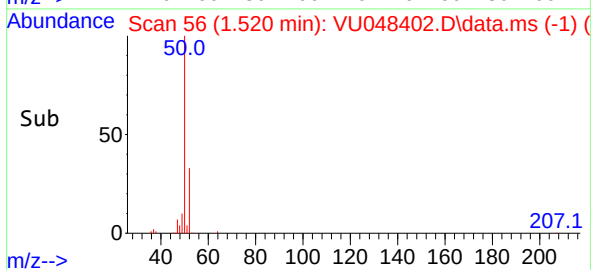
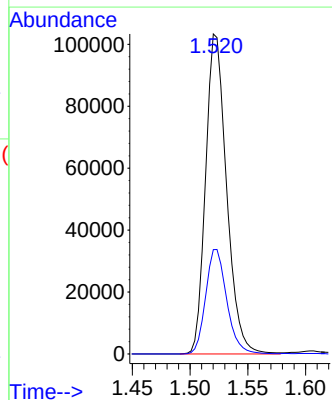
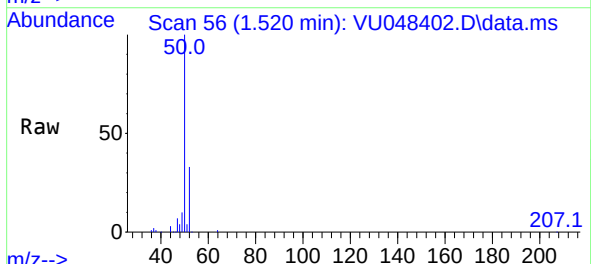
Instrument :
MSVOA_U
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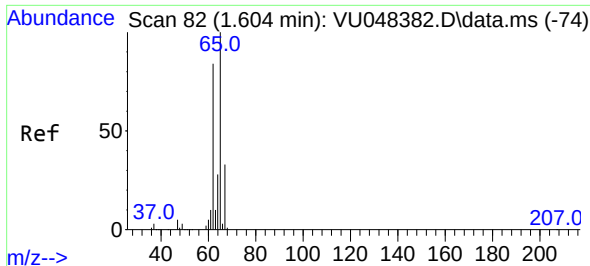
Tgt Ion: 85 Resp: 119379
Ion Ratio Lower Upper
85 100
87 32.3 26.1 39.1



#3
Chloromethane
Concen: 35.532 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 50 Resp: 130512
Ion Ratio Lower Upper
50 100
52 32.6 23.2 43.2

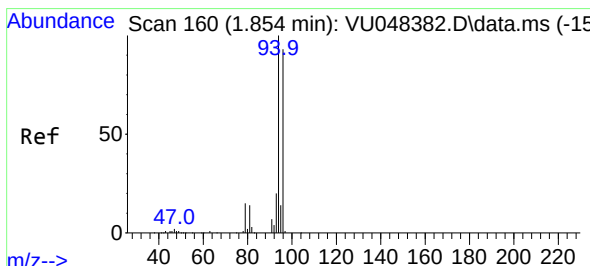
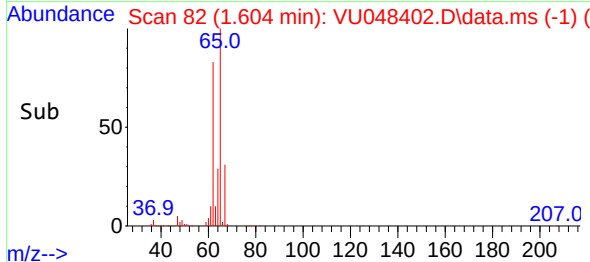
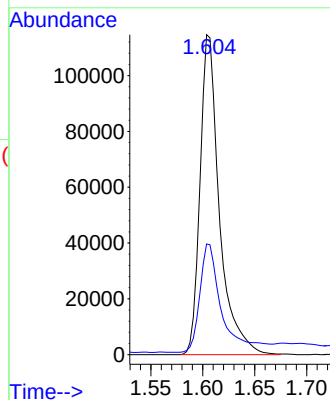
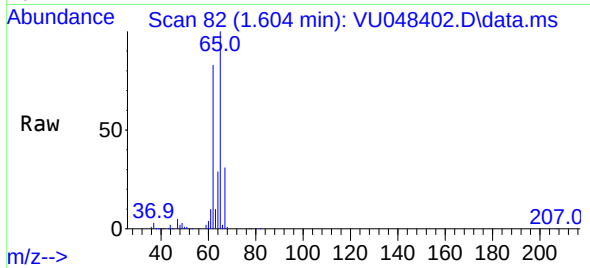




#5
 Vinyl chloride
 Concen: 40.169 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048402.D
 Acq: 03 May 2022 19:53

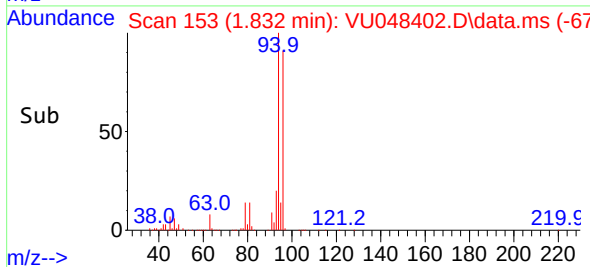
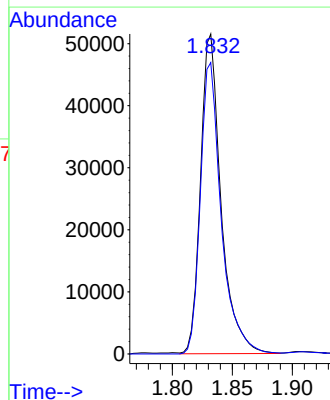
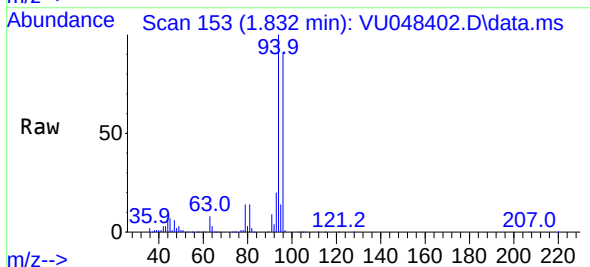
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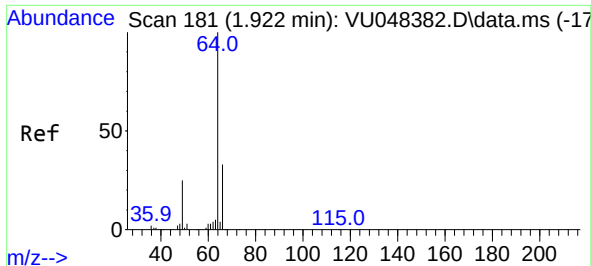
Tgt Ion: 62 Resp: 148684
 Ion Ratio Lower Upper
 62 100
 64 34.6 22.5 41.7



#6
 Bromomethane
 Concen: 36.054 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.022 min
 Lab File: VU048402.D
 Acq: 03 May 2022 19:53

Tgt Ion: 94 Resp: 61333
 Ion Ratio Lower Upper
 94 100
 96 91.0 65.8 122.2

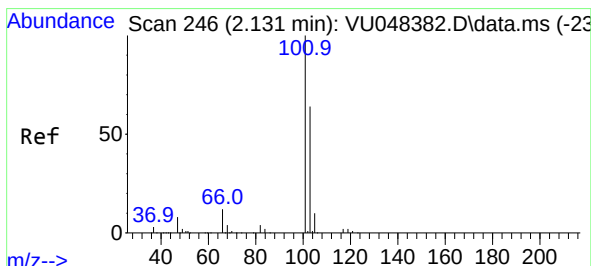
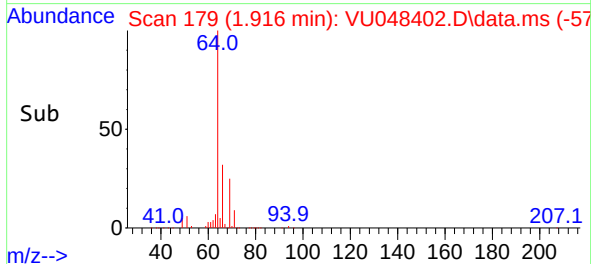
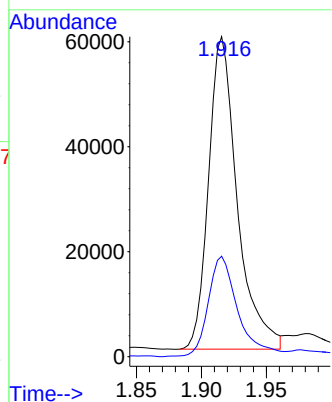
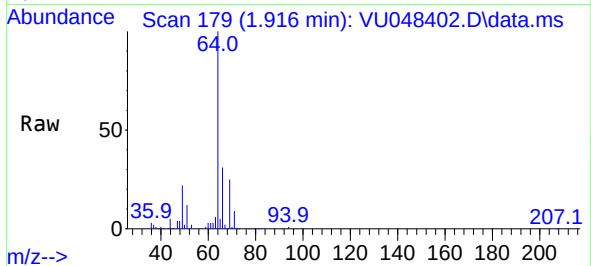




#8
Chloroethane
Concen: 43.710 ug/L
RT: 1.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

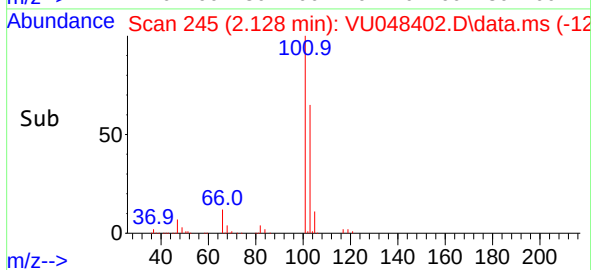
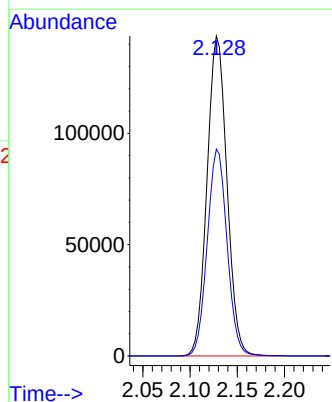
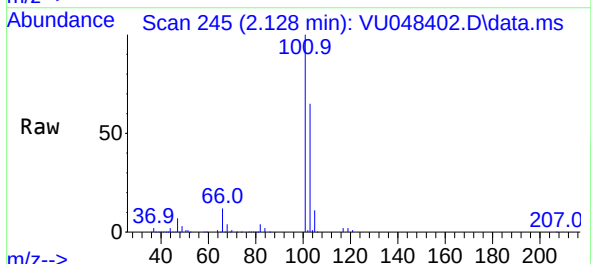
Instrument :
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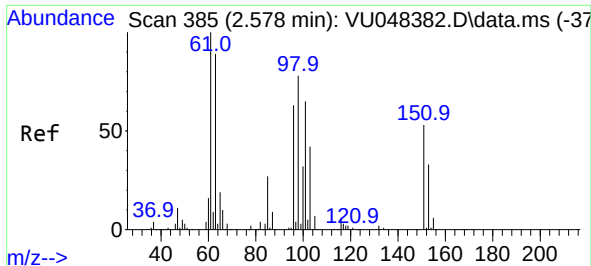
Tgt Ion: 64 Resp: 91481
Ion Ratio Lower Upper
64 100
66 31.4 21.9 40.7



#9
Trichlorofluoromethane
Concen: 43.679 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 101 Resp: 210700
Ion Ratio Lower Upper
101 100
103 64.3 51.9 77.9

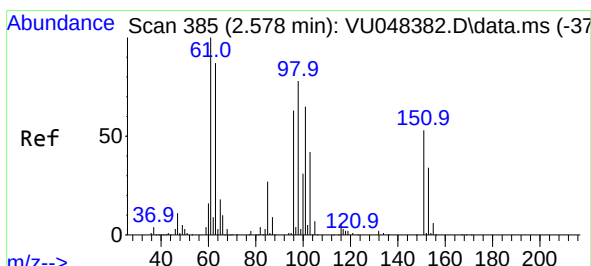
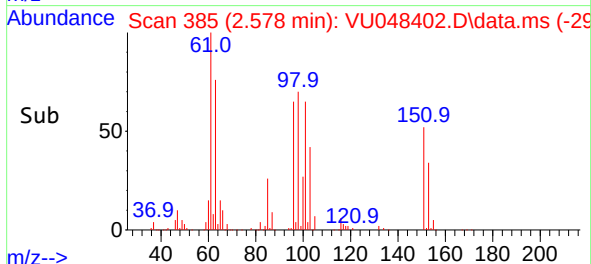
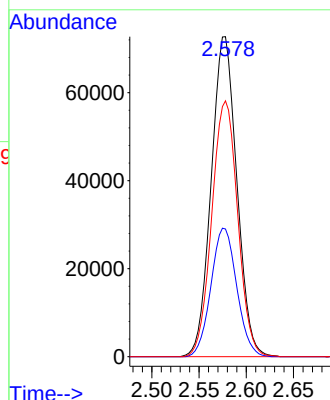
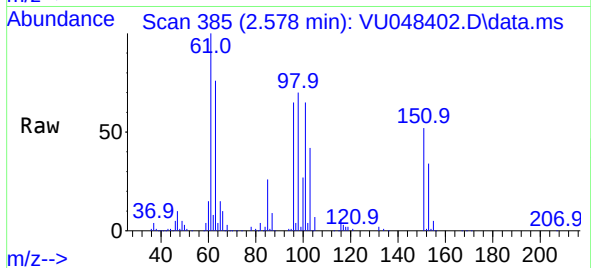




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 42.870 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

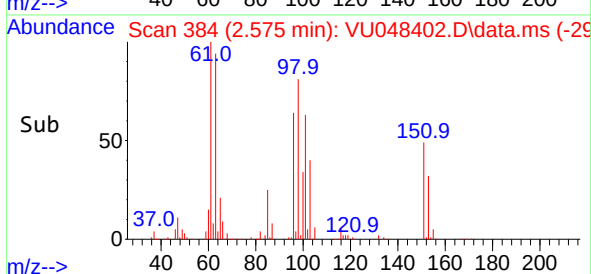
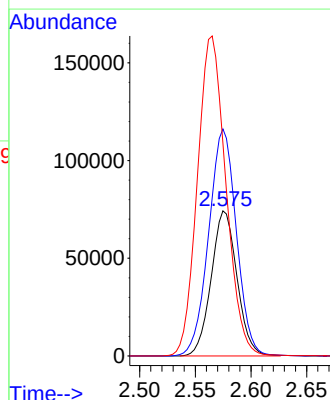
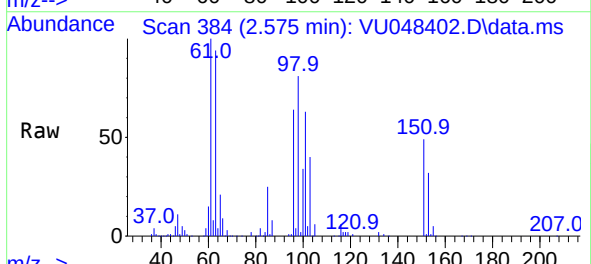
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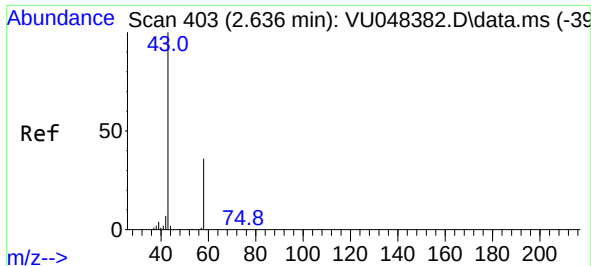
Tgt Ion:101 Resp: 137154
Ion Ratio Lower Upper
101 100
85 40.5 32.6 48.8
151 80.8 64.1 96.1



#12
1,1-Dichloroethene
Concen: 42.829 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 96 Resp: 119606
Ion Ratio Lower Upper
96 100
61 156.6 107.9 200.3
63 146.8 80.3 149.1

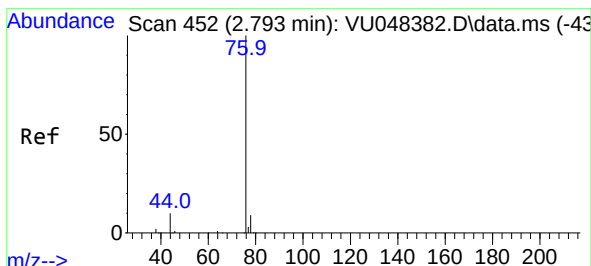
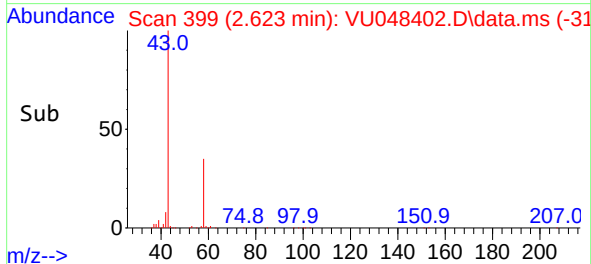
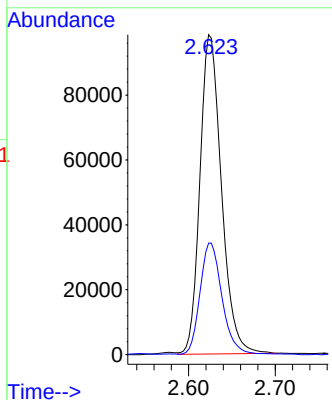
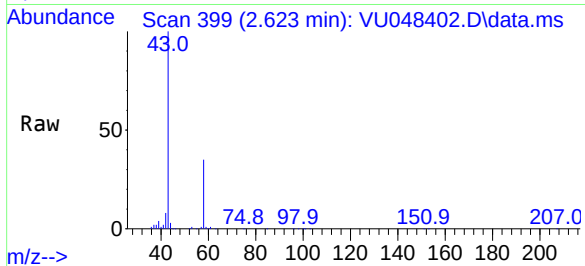




#13
Acetone
Concen: 79.381 ug/L
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

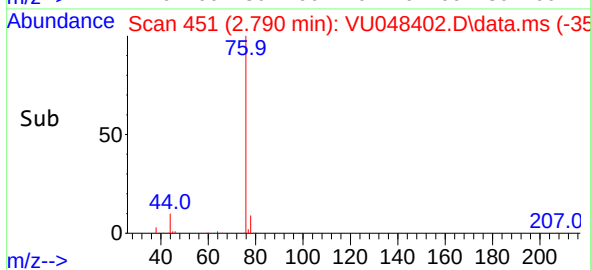
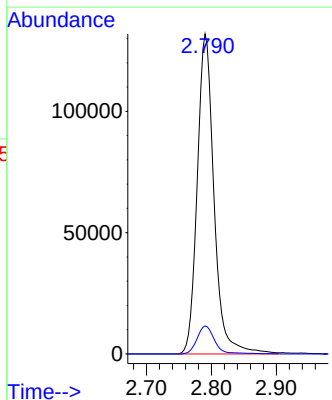
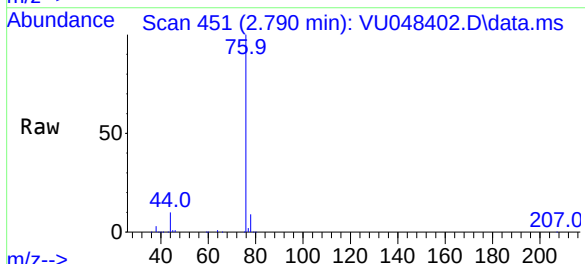
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

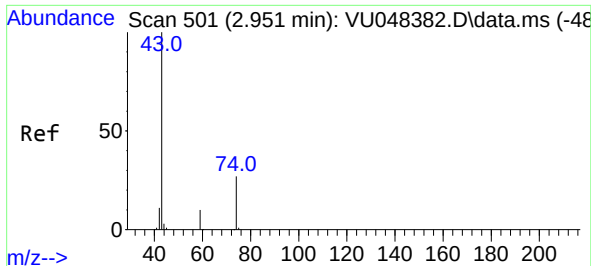
Tgt Ion: 43 Resp: 169749
Ion Ratio Lower Upper
43 100
58 35.5 0.0 71.2



#14
Carbon disulfide
Concen: 34.911 ug/L
RT: 2.790 min Scan# 451
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 76 Resp: 237612
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2

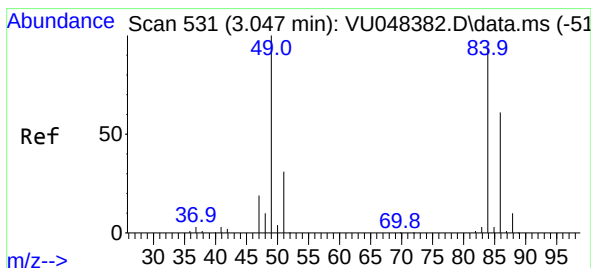
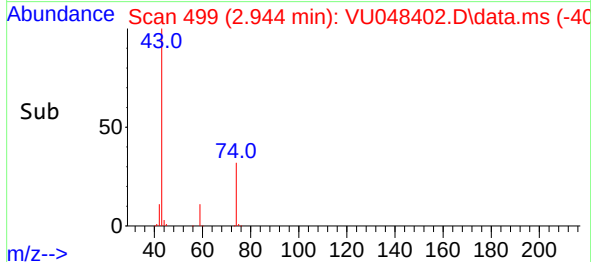
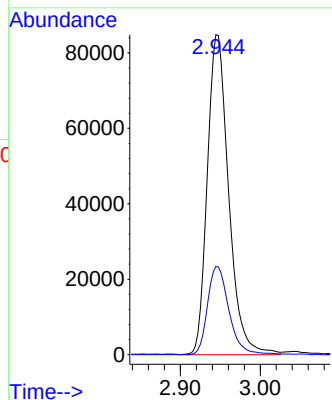
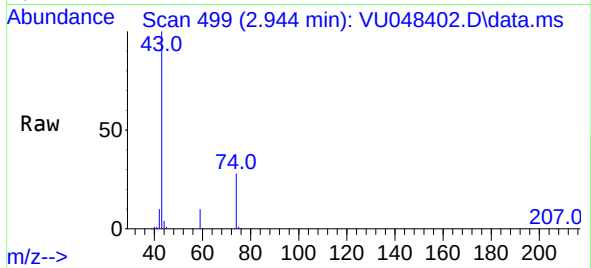




#15
Methyl Acetate
Concen: 37.129 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.006 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

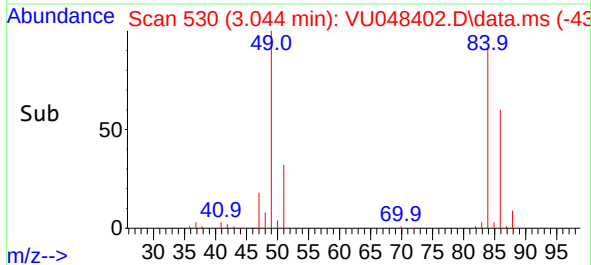
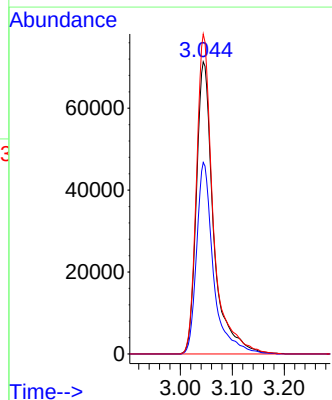
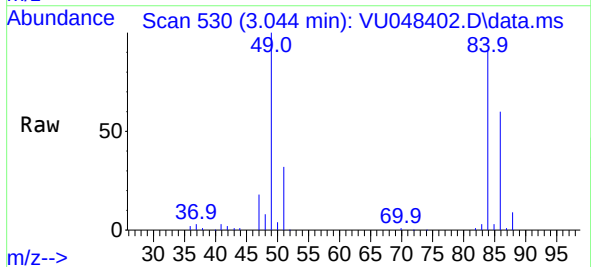
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

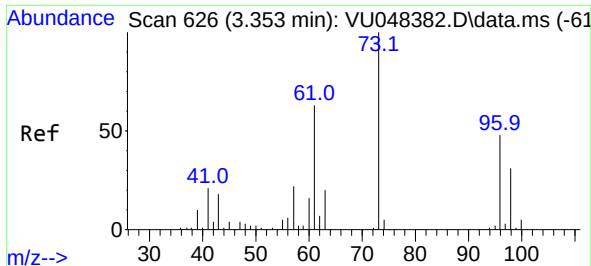
Tgt Ion: 43 Resp: 157610
Ion Ratio Lower Upper
43 100
74 27.4 21.0 31.6



#16
Methylene chloride
Concen: 45.449 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 84 Resp: 163635
Ion Ratio Lower Upper
84 100
86 65.6 45.4 84.2
49 109.5 79.2 147.0

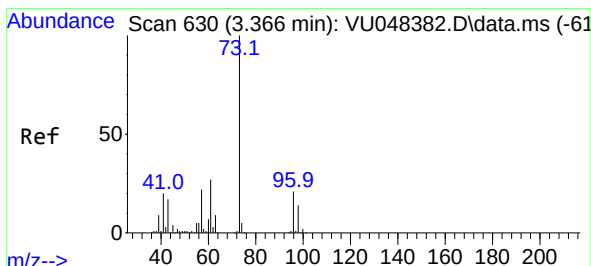
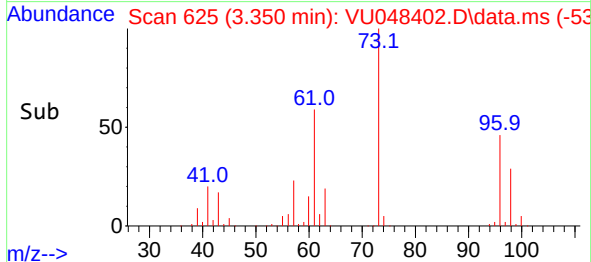
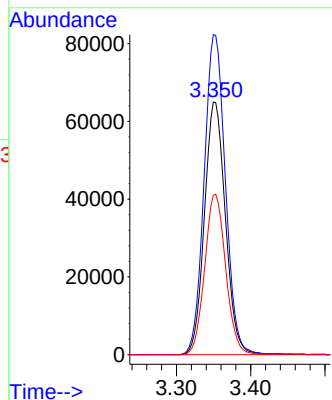
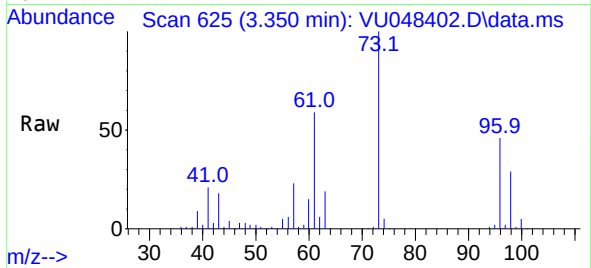




#17
trans-1,2-Dichloroethene
Concen: 44.000 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

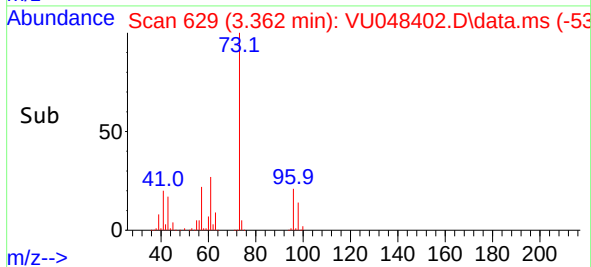
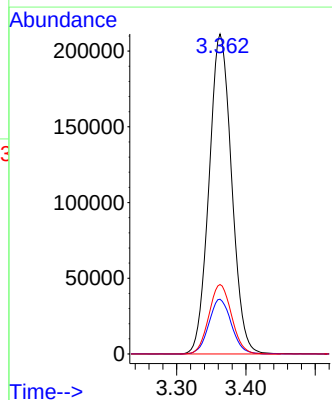
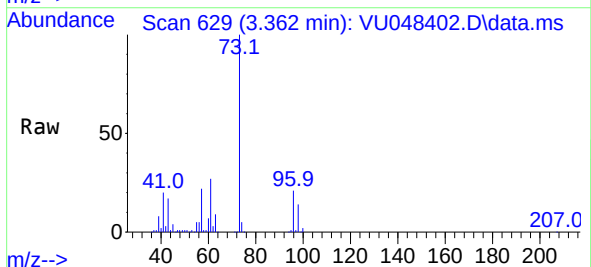
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

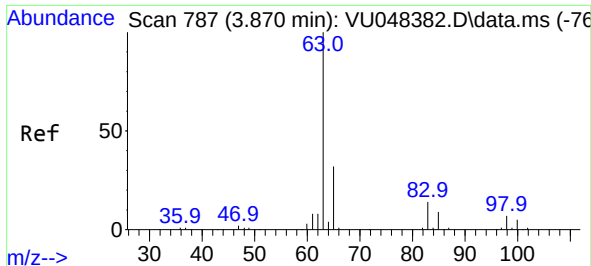
Tgt Ion: 96 Resp: 127650
Ion Ratio Lower Upper
96 100
61 126.7 95.2 176.8
98 63.1 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 49.859 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 73 Resp: 477258
Ion Ratio Lower Upper
73 100
43 17.1 13.8 20.6
57 21.9 17.9 26.9

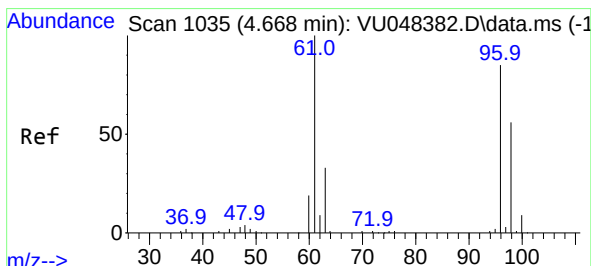
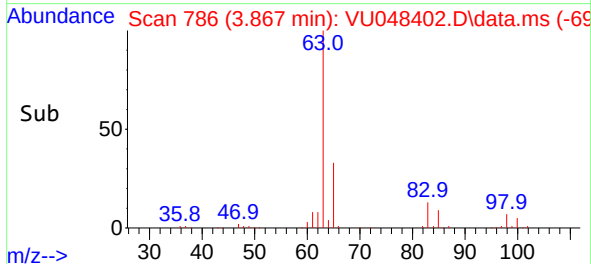
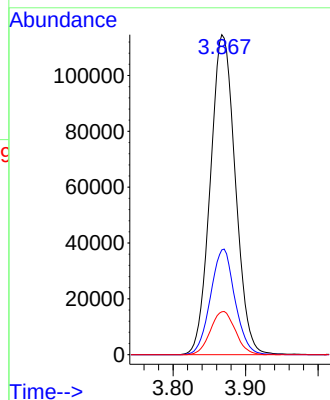
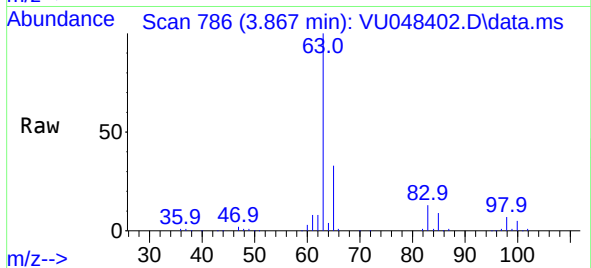




#19
1,1-Dichloroethane
Concen: 45.179 ug/L
RT: 3.867 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

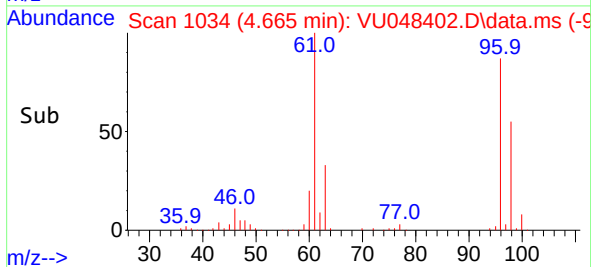
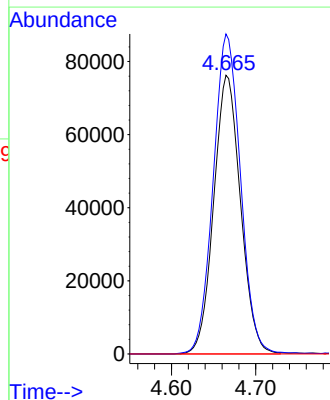
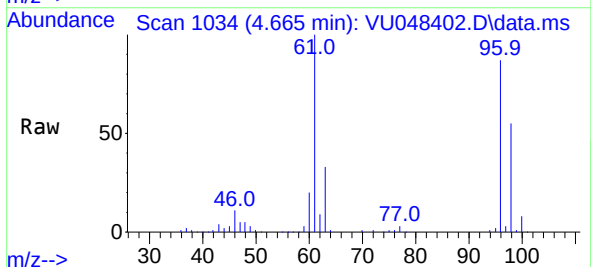
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

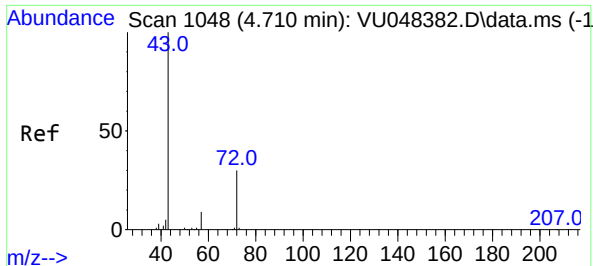
Tgt Ion: 63 Resp: 274086
Ion Ratio Lower Upper
63 100
65 32.7 22.0 40.8
83 13.4 8.8 16.4



#20
cis-1,2-Dichloroethene
Concen: 48.110 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 96 Resp: 168242
Ion Ratio Lower Upper
96 100
61 114.8 87.0 161.6
68 0.0 0.0 0.0

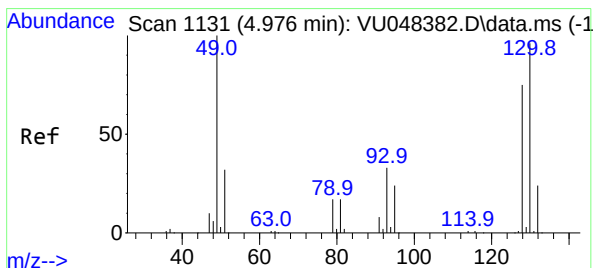
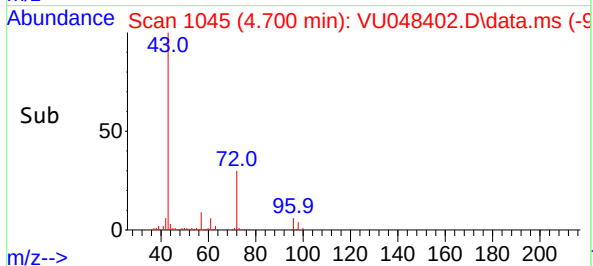
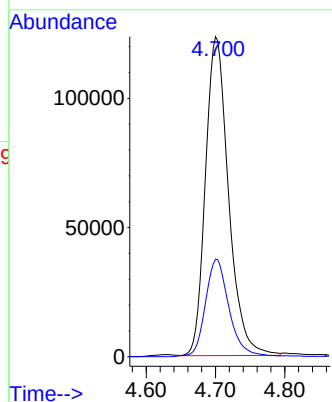
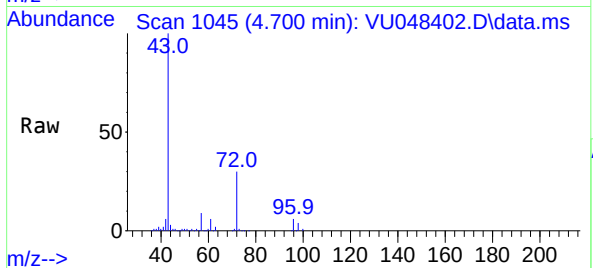




#22
2-Butanone
Concen: 90.538 ug/L
RT: 4.700 min Scan# 110
Delta R.T. -0.010 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

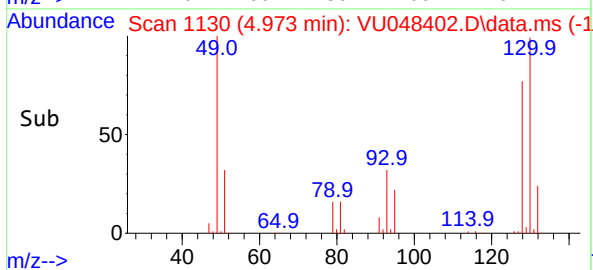
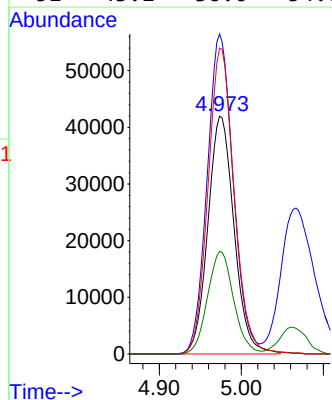
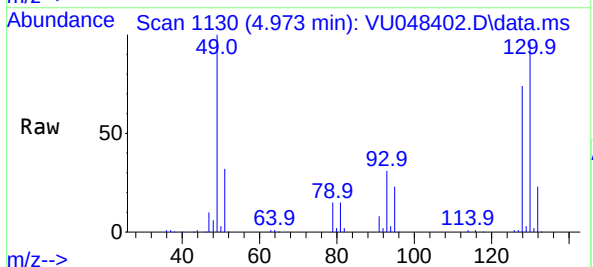
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

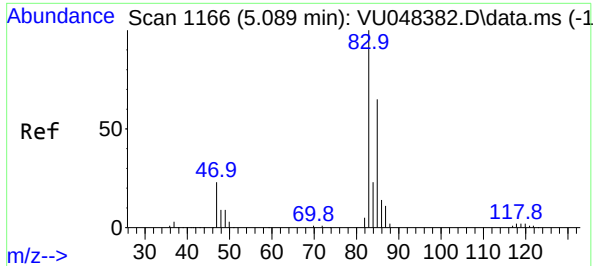
Tgt Ion: 43 Resp: 286292
Ion Ratio Lower Upper
43 100
72 31.2 14.6 43.8



#23
Bromochloromethane
Concen: 47.576 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion:128 Resp: 92887
Ion Ratio Lower Upper
128 100
49 134.6 101.3 188.1
130 128.6 89.0 165.2
51 43.1 36.0 54.0

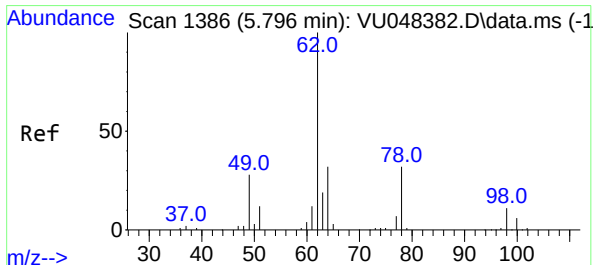
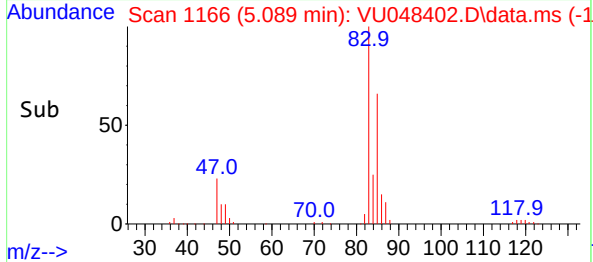
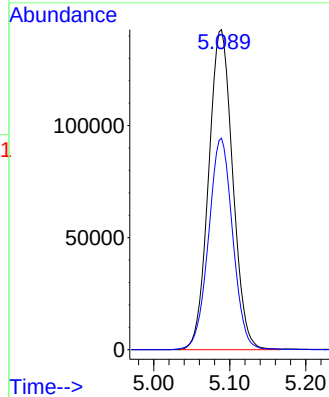
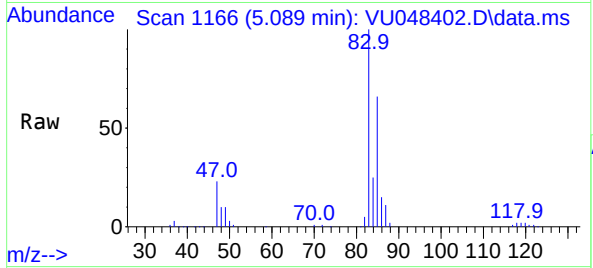




#25
Chloroform
Concen: 50.714 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

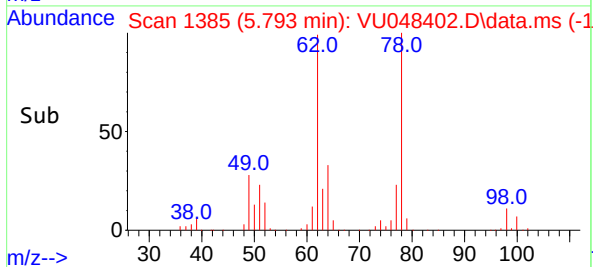
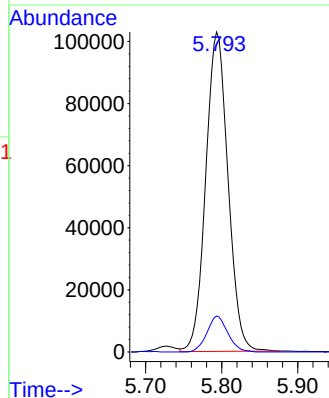
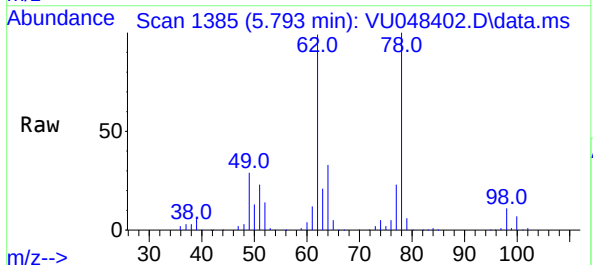
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

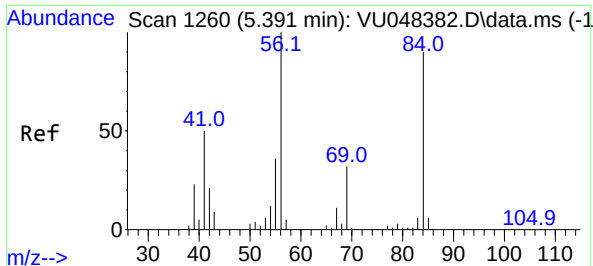
Tgt Ion: 83 Resp: 314171
Ion Ratio Lower Upper
83 100
85 66.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 46.284 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 62 Resp: 209142
Ion Ratio Lower Upper
62 100
98 11.2 8.5 12.7





#29

Cyclohexane

Concen: 43.058 ug/L

RT: 5.388 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048402.D

Acq: 03 May 2022 19:53

Instrument :

MSVOA_U

ClientSampleId :

EXL67MSD

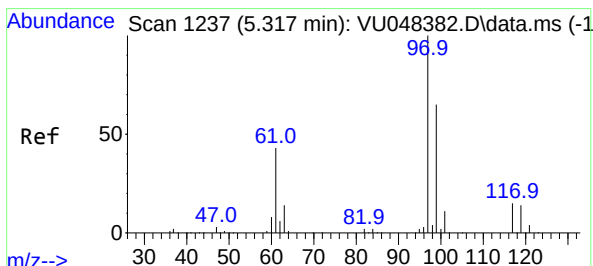
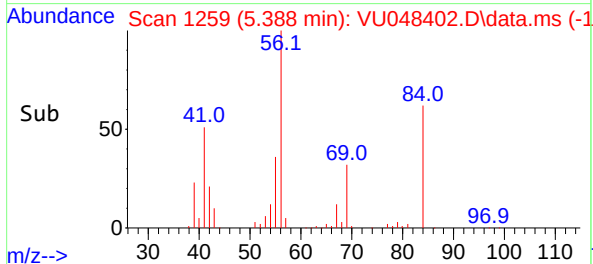
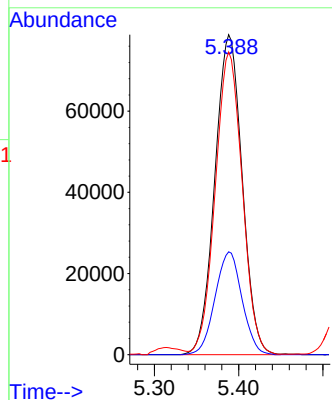
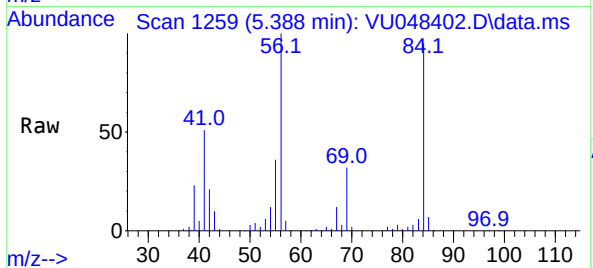
Tgt Ion: 56 Resp: 177194

Ion Ratio Lower Upper

56 100

69 31.7 24.2 36.4

84 93.6 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 48.180 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048402.D

Acq: 03 May 2022 19:53

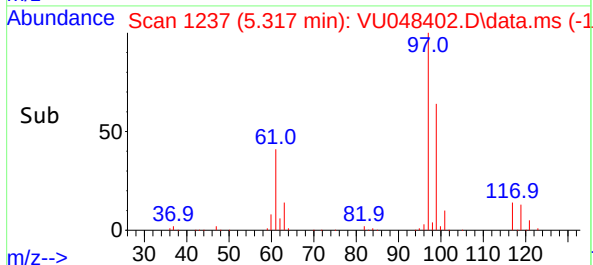
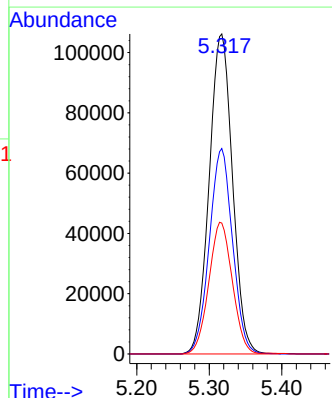
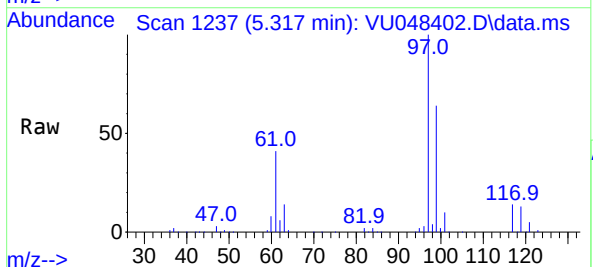
Tgt Ion: 97 Resp: 237306

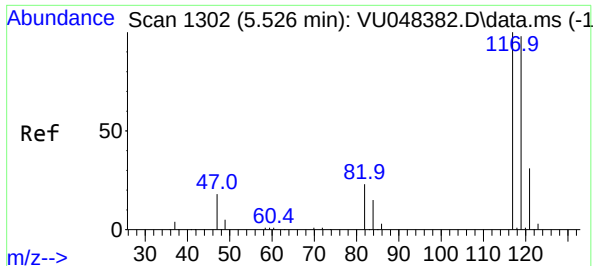
Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.8

61 41.4 33.9 50.9

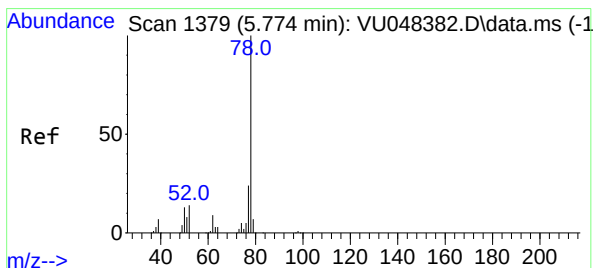
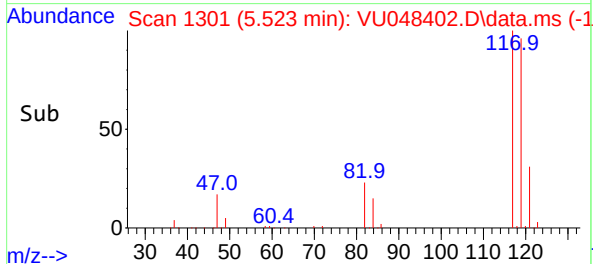
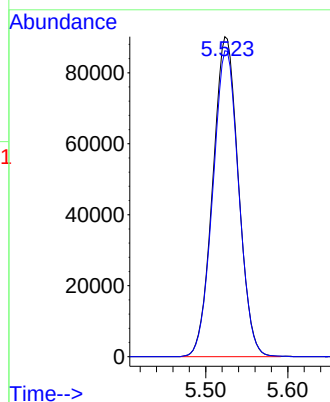
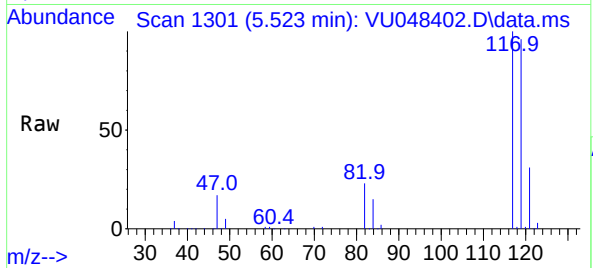




#31
Carbon tetrachloride
Concen: 46.629 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

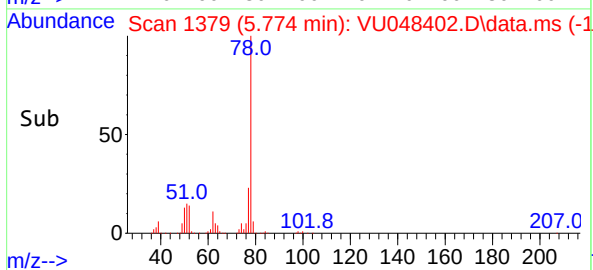
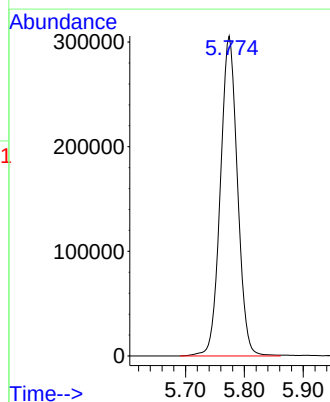
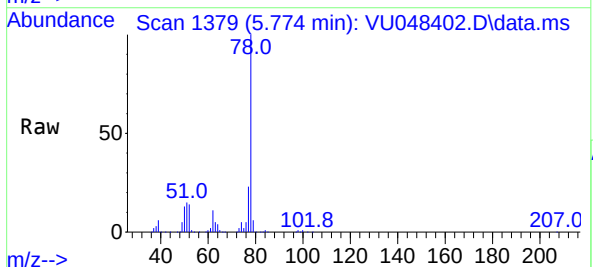
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

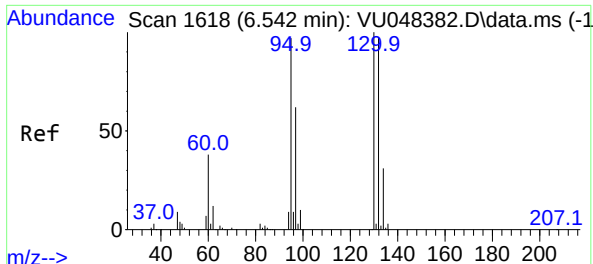
Tgt Ion:117 Resp: 195750
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7



#33
Benzene
Concen: 47.829 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 78 Resp: 616786





#34

Trichloroethene

Concen: 47.152 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048402.D

Acq: 03 May 2022 19:53

Instrument :

MSVOA_U

ClientSampleId :

EXL67MSD

Tgt Ion: 95 Resp: 149040

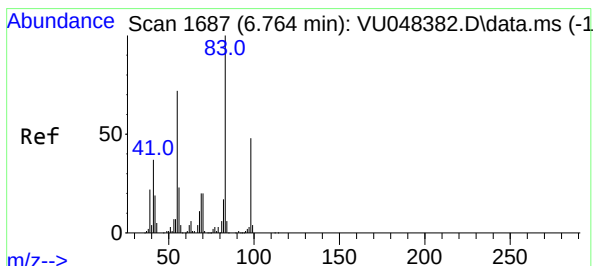
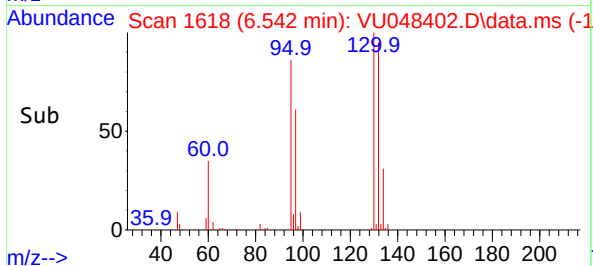
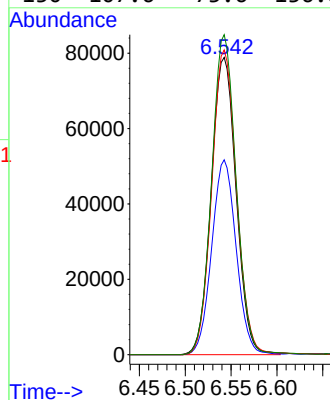
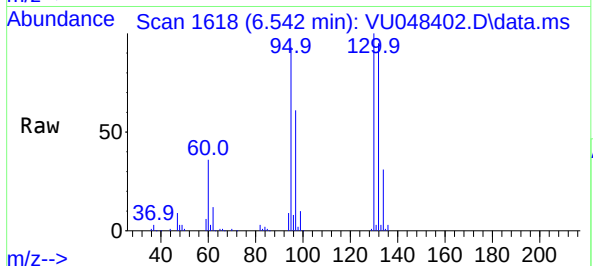
Ion Ratio Lower Upper

95 100

97 65.5 45.8 85.2

132 102.5 71.6 133.0

130 107.6 73.6 136.8



#35

Methylcyclohexane

Concen: 44.491 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.000 min

Lab File: VU048402.D

Acq: 03 May 2022 19:53

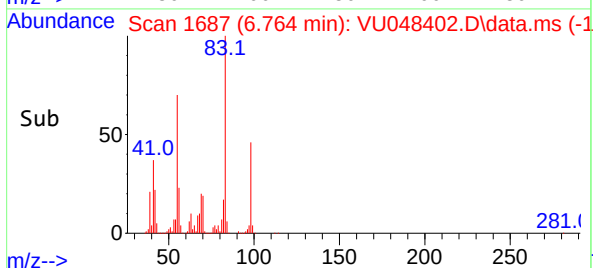
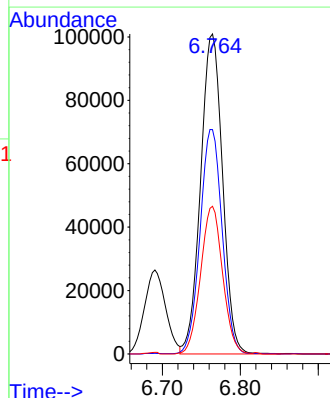
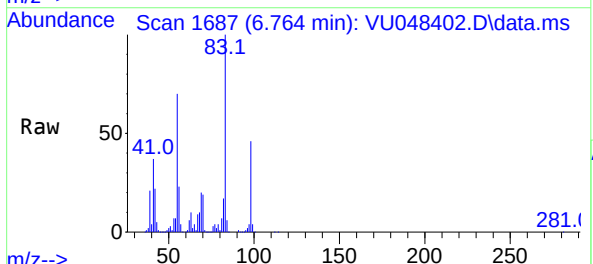
Tgt Ion: 83 Resp: 197439

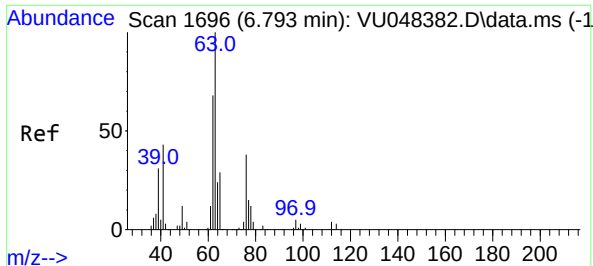
Ion Ratio Lower Upper

83 100

55 70.2 59.4 89.2

98 46.2 37.3 55.9

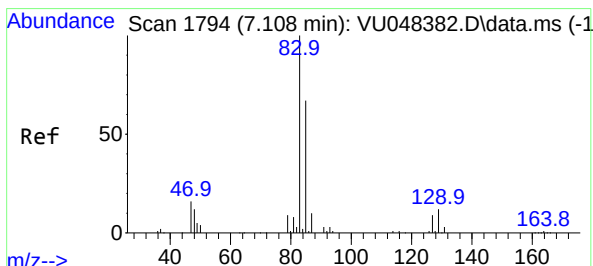
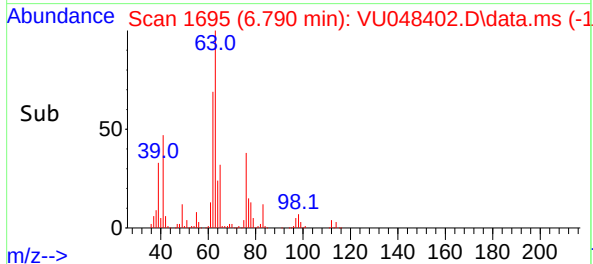
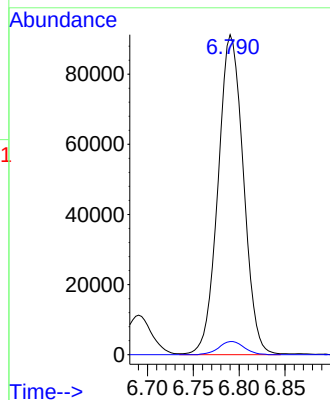
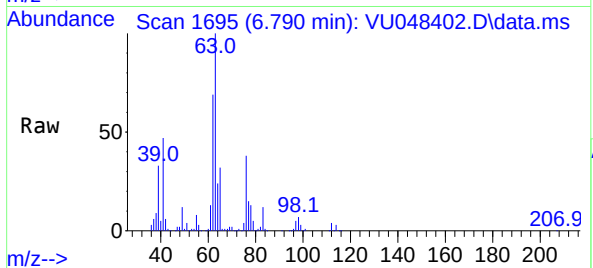




#37
1,2-Dichloropropane
Concen: 47.872 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

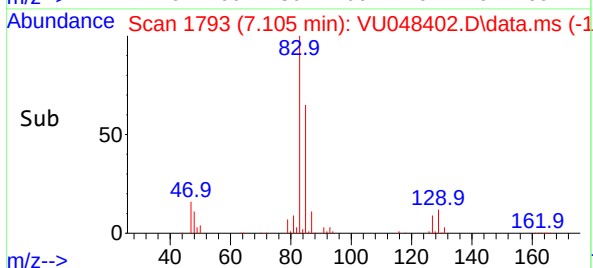
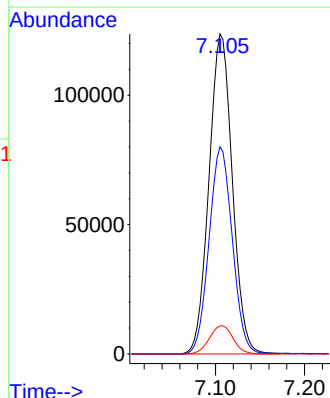
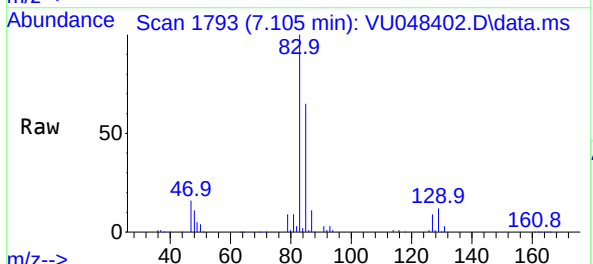
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

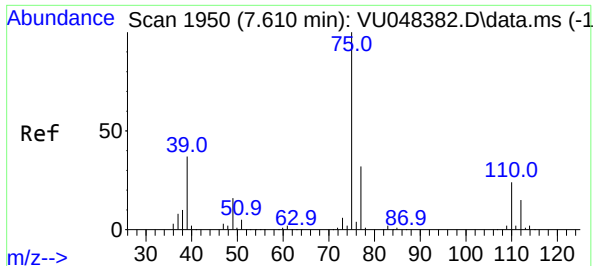
Tgt Ion: 63 Resp: 175642
Ion Ratio Lower Upper
63 100
112 4.1 3.1 4.7



#38
Bromodichloromethane
Concen: 48.551 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 83 Resp: 224961
Ion Ratio Lower Upper
83 100
85 64.7 45.3 84.1
127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 48.188 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU048402.D

Acq: 03 May 2022 19:53

Instrument :

MSVOA_U

ClientSampleId :

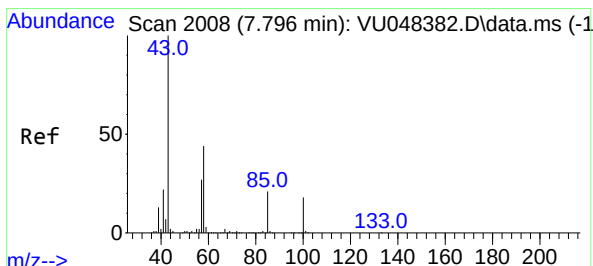
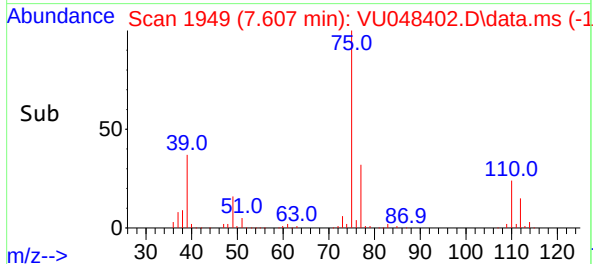
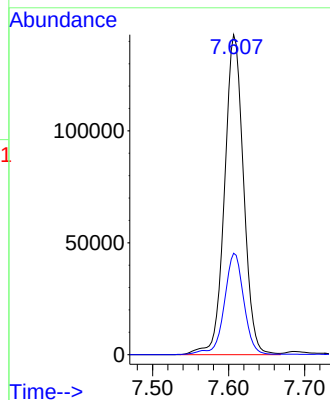
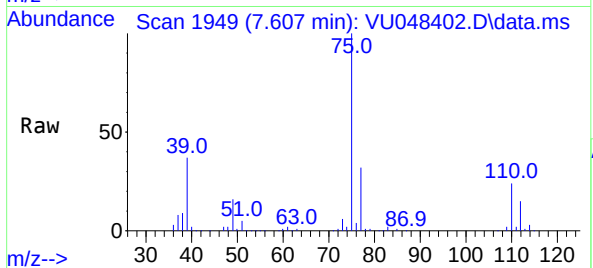
EXL67MSD

Tgt Ion: 75 Resp: 248616

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 102.363 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU048402.D

Acq: 03 May 2022 19:53

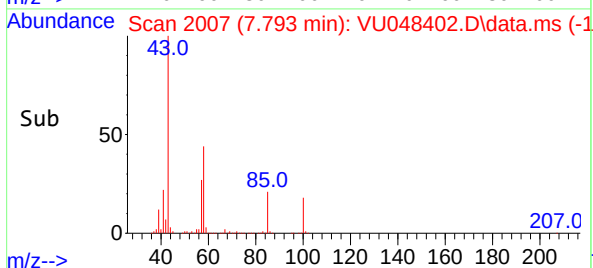
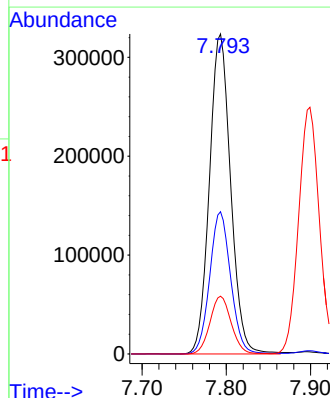
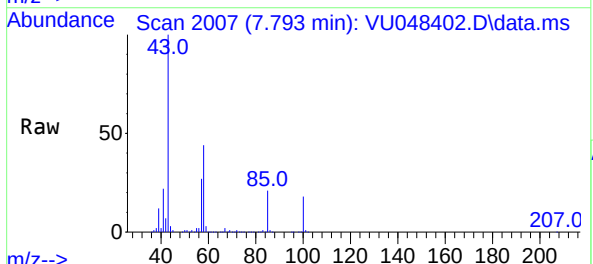
Tgt Ion: 43 Resp: 566464

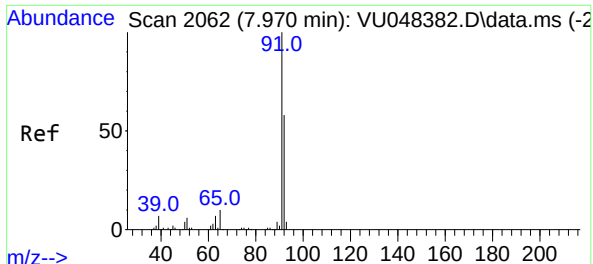
Ion Ratio Lower Upper

43 100

58 44.0 34.4 51.6

100 18.1 13.6 20.4

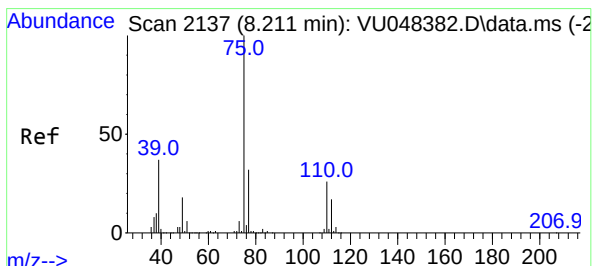
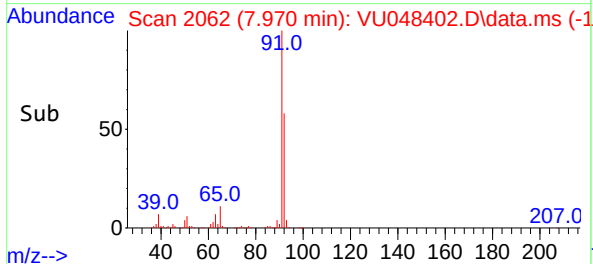
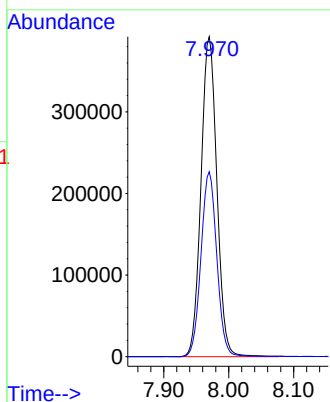
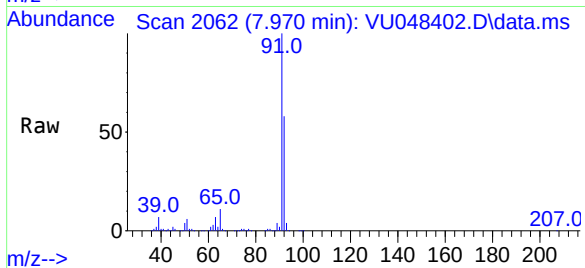




#42
Toluene
Concen: 49.341 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

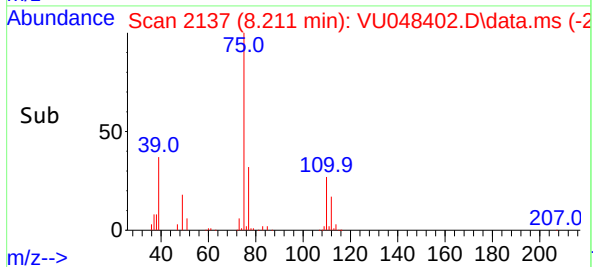
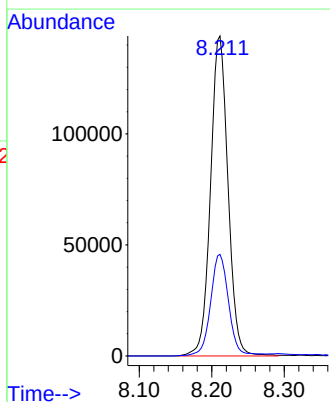
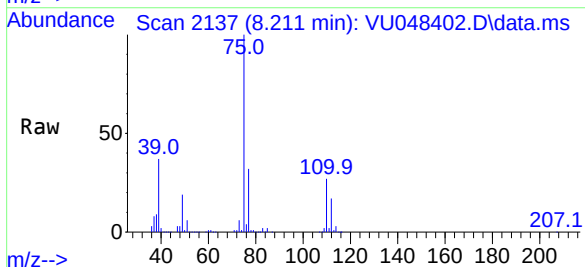
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

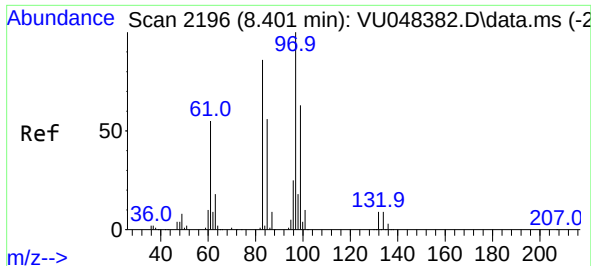
Tgt Ion: 91 Resp: 668036
Ion Ratio Lower Upper
91 100
92 57.8 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 47.859 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

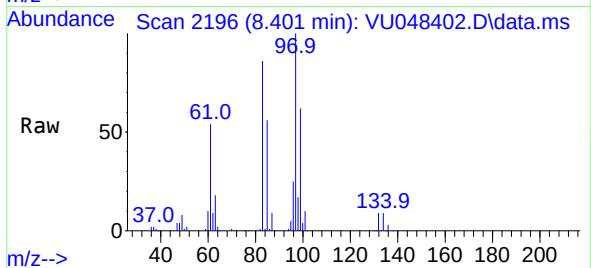
Tgt Ion: 75 Resp: 241220
Ion Ratio Lower Upper
75 100
77 31.8 22.1 41.1





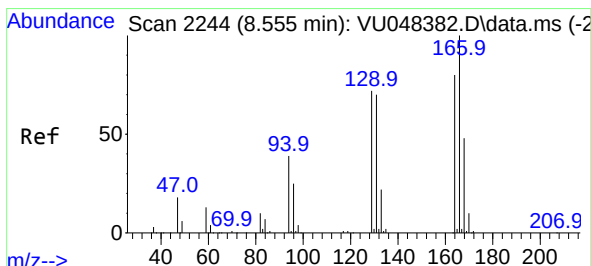
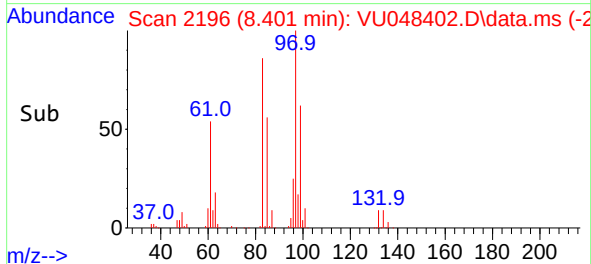
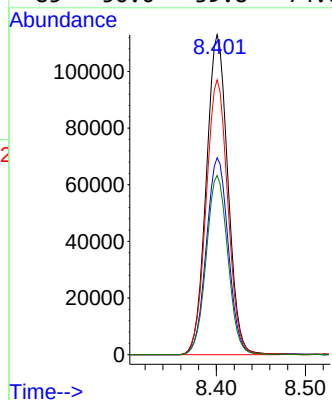
#45
1,1,2-Trichloroethane
Concen: 49.294 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD



Tgt Ion: 97 Resp: 189754

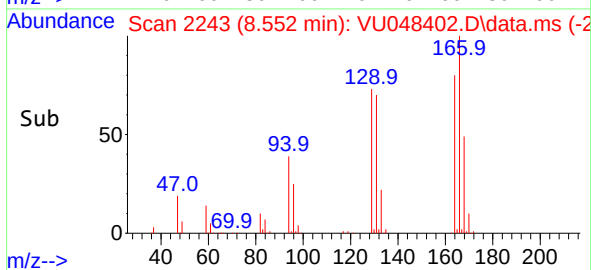
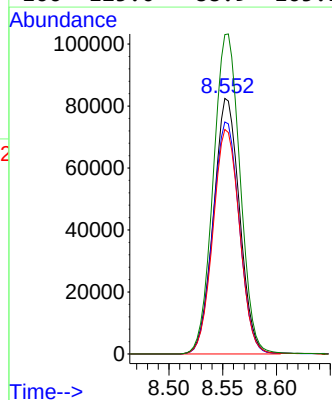
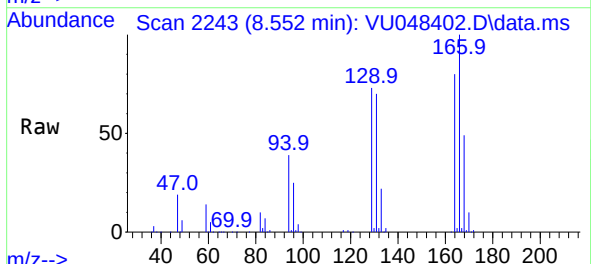
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.7	81.1
83	85.9	62.6	116.2
85	56.0	39.8	74.0

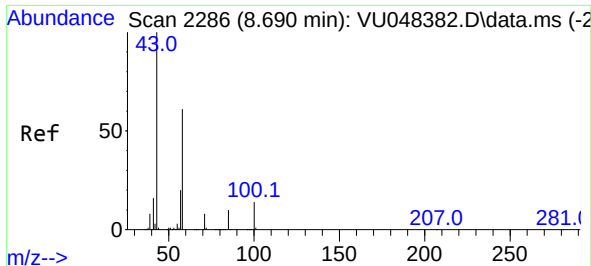


#46
Tetrachloroethene
Concen: 51.558 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 164 Resp: 139864

Ion	Ratio	Lower	Upper
164	100		
129	90.8	63.3	117.7
131	87.9	61.2	113.6
166	125.0	88.9	165.1



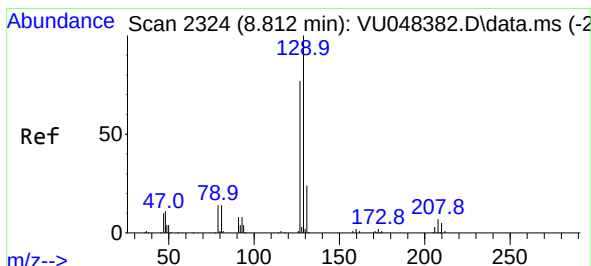
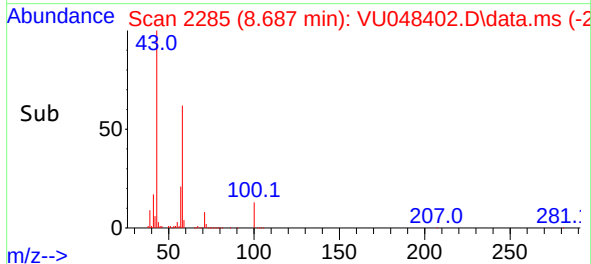
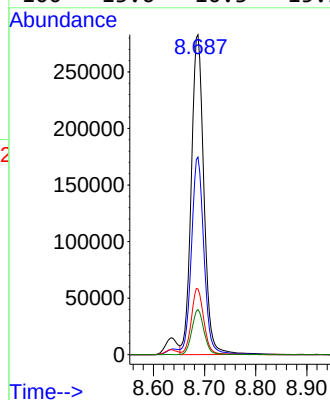
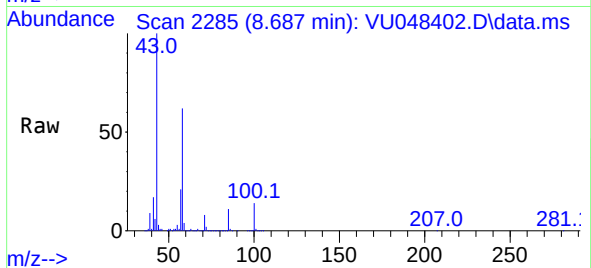


#48
2-Hexanone
Concen: 105.036 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

Tgt Ion: 43 Resp: 485387

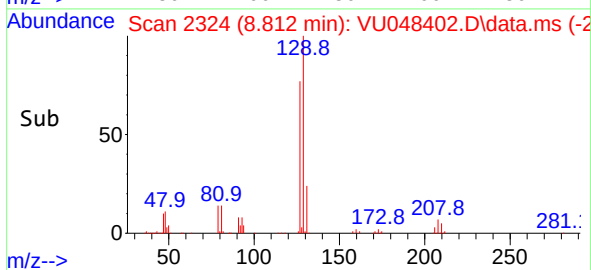
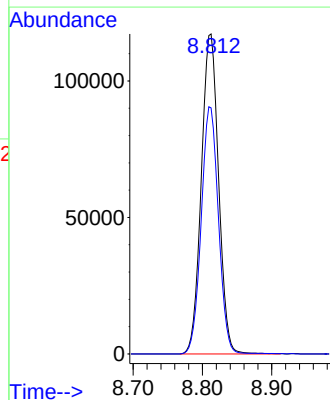
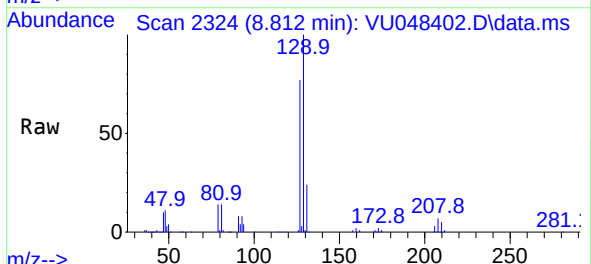
Ion	Ratio	Lower	Upper
43	100		
58	60.9	48.1	72.1
57	19.9	16.2	24.4
100	13.6	10.3	15.5

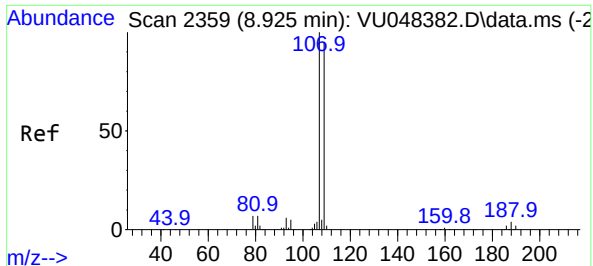


#49
Dibromochloromethane
Concen: 47.946 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 129 Resp: 202811

Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.8	99.8

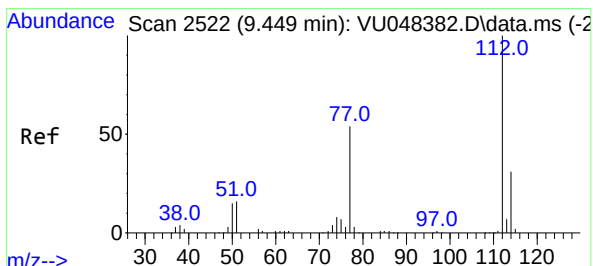
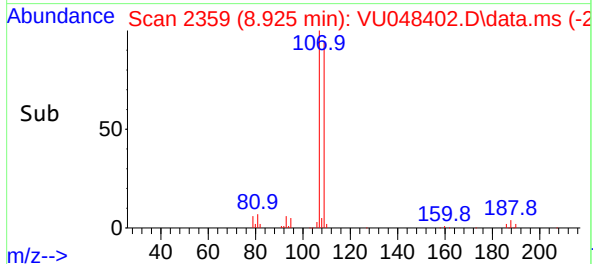
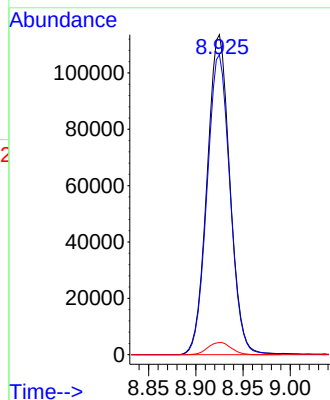
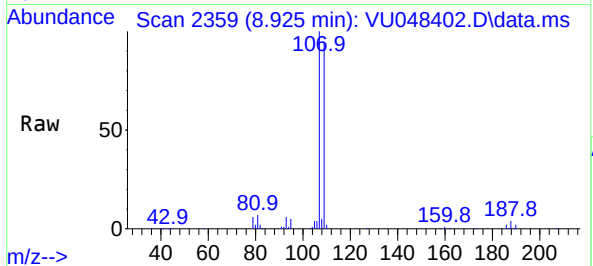




#50
1,2-Dibromoethane
Concen: 48.979 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

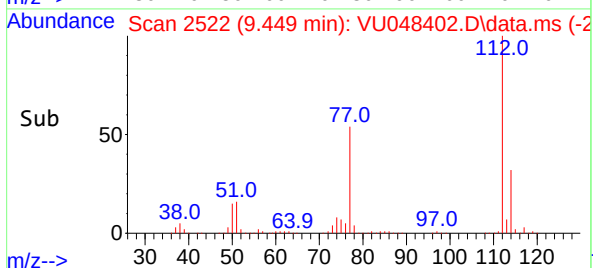
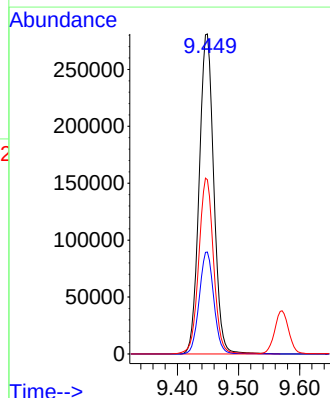
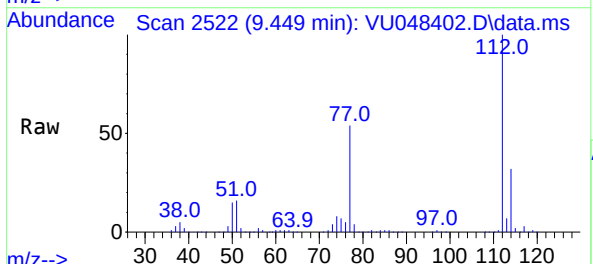
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

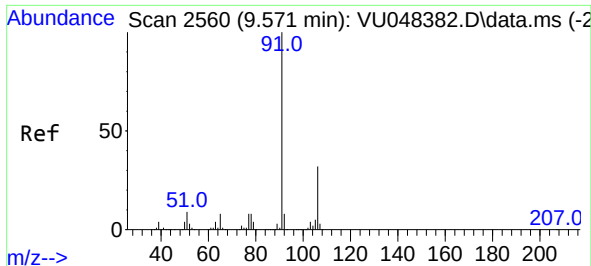
Tgt Ion:107 Resp: 191196
Ion Ratio Lower Upper
107 100
109 93.8 65.0 120.8
188 3.8 3.1 4.7



#51
Chlorobenzene
Concen: 47.758 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion:112 Resp: 466072
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.1
77 54.5 44.3 66.5

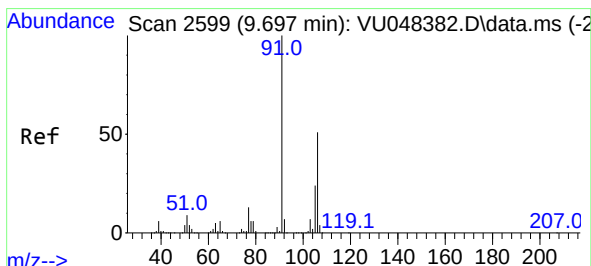
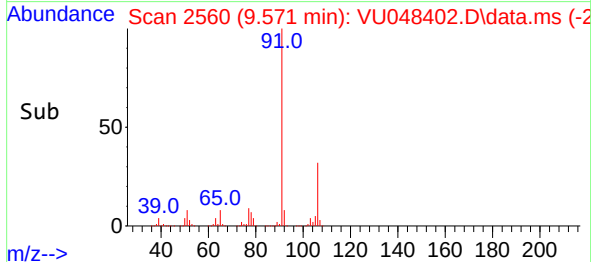
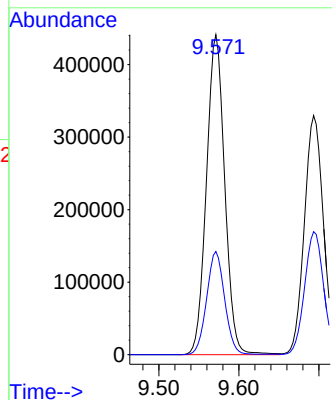
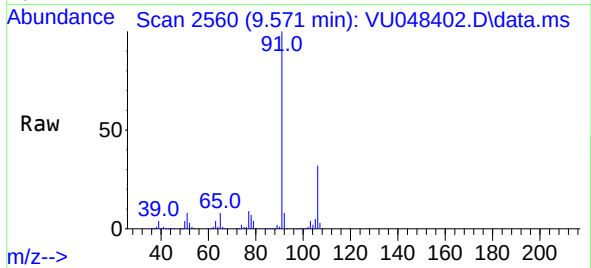




#52
Ethylbenzene
Concen: 50.078 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

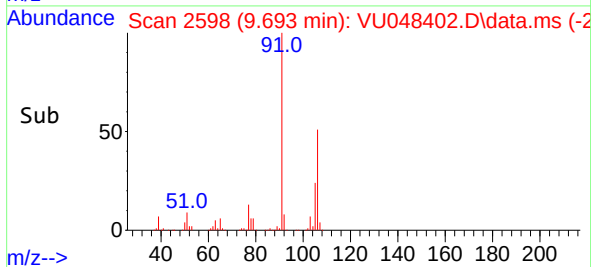
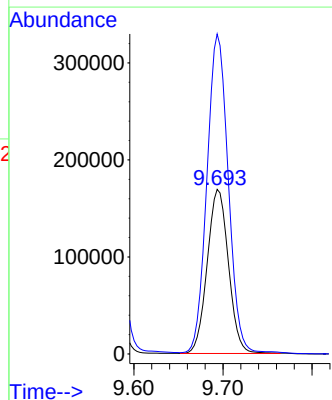
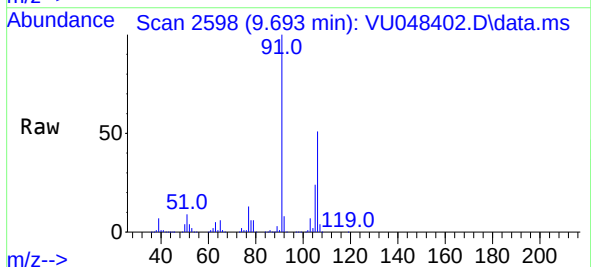
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

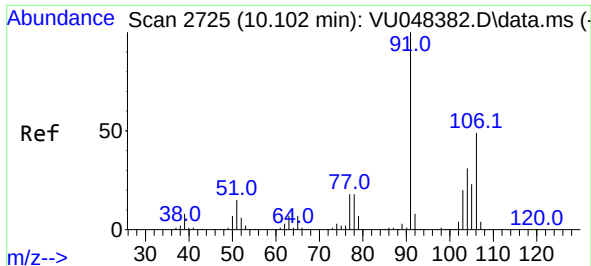
Tgt Ion: 91 Resp: 702167
Ion Ratio Lower Upper
91 100
106 32.3 22.5 41.9



#53
m,p-Xylene
Concen: 50.550 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 106 Resp: 279704
Ion Ratio Lower Upper
106 100
91 194.4 137.4 255.2

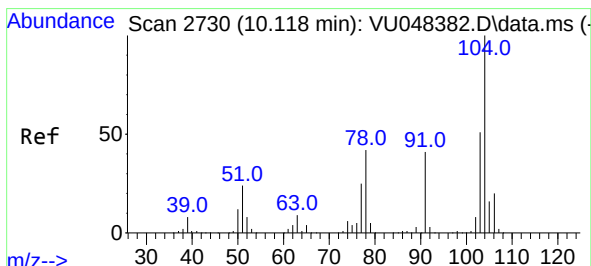
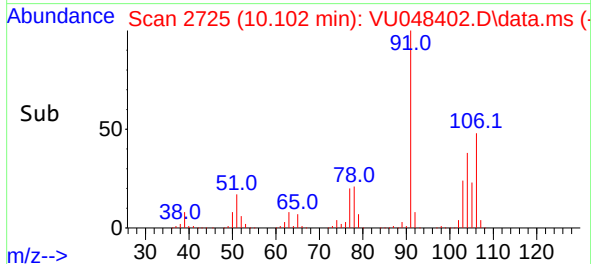
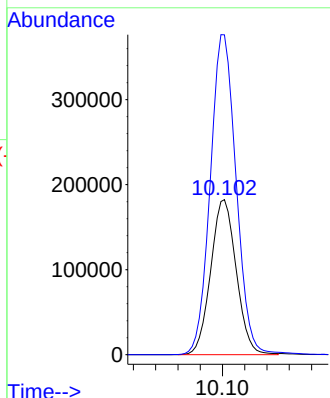
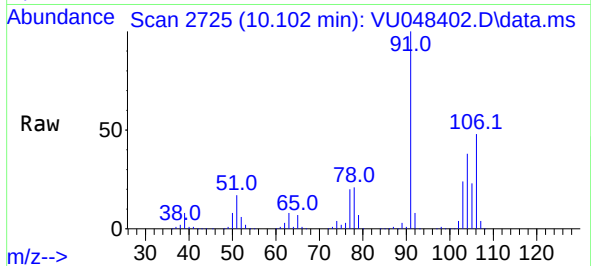




#54
o-Xylene
Concen: 52.052 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

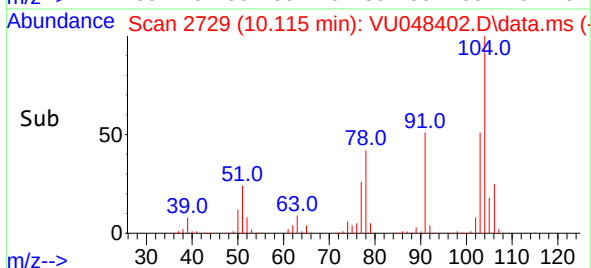
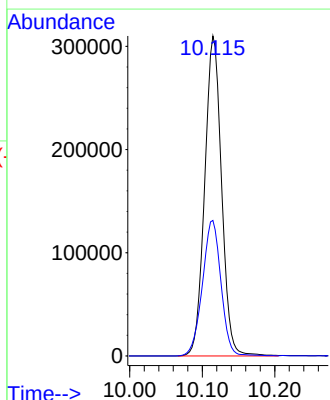
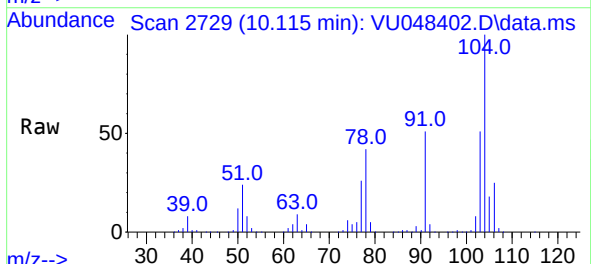
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

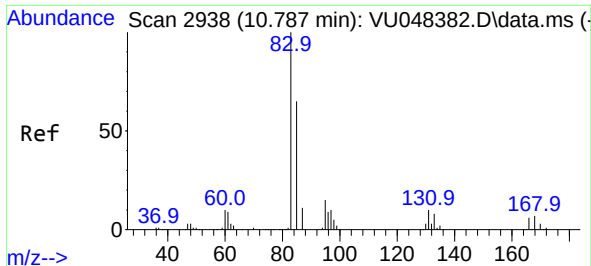
Tgt Ion:106 Resp: 290150
Ion Ratio Lower Upper
106 100
91 206.4 145.3 269.8



#55
Styrene
Concen: 52.991 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion:104 Resp: 503198
Ion Ratio Lower Upper
104 100
78 42.4 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 50.631 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU048402.D

Acq: 03 May 2022 19:53

Instrument :

MSVOA_U

ClientSampleId :

EXL67MSD

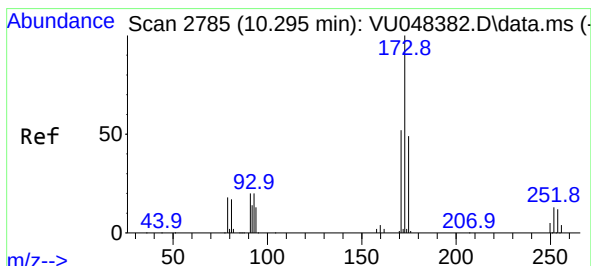
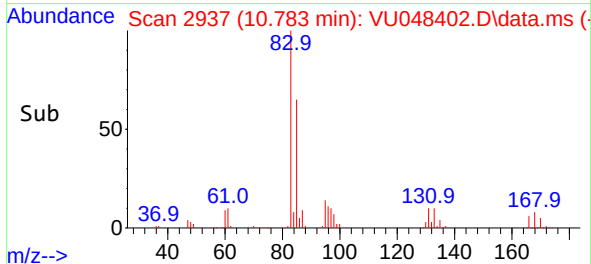
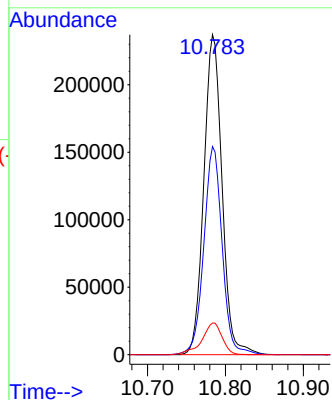
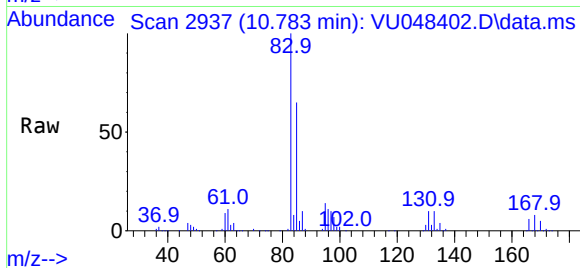
Tgt Ion: 83 Resp: 384664

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.7

131 9.9 7.8 11.6



#59

Bromoform

Concen: 48.867 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU048402.D

Acq: 03 May 2022 19:53

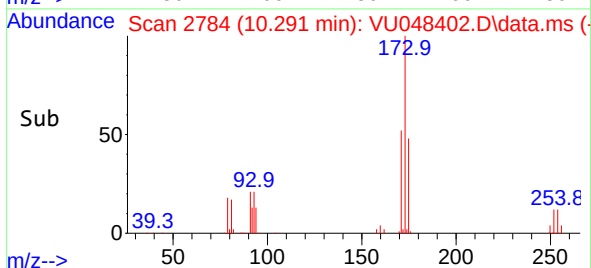
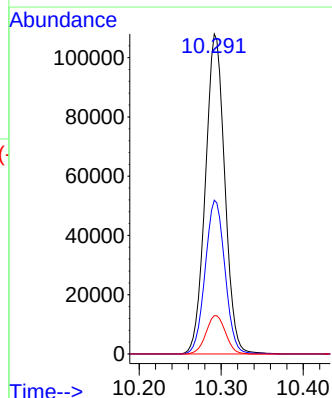
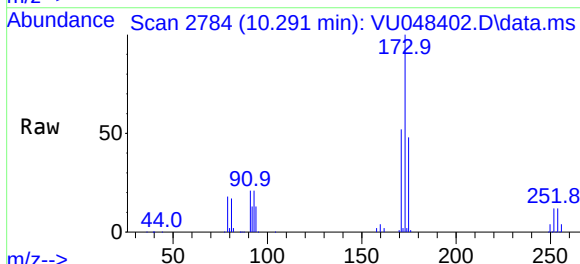
Tgt Ion: 173 Resp: 177392

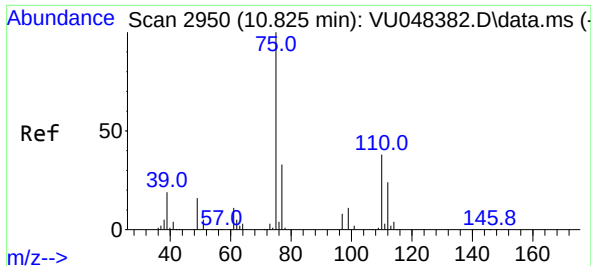
Ion Ratio Lower Upper

173 100

175 49.0 38.9 58.3

254 12.0 9.5 14.3

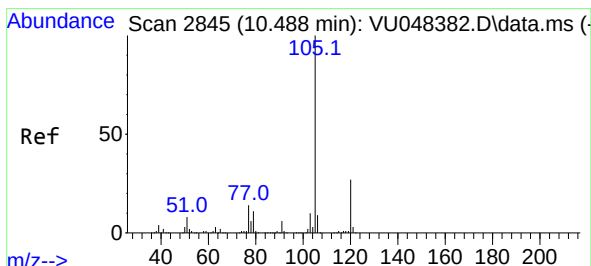
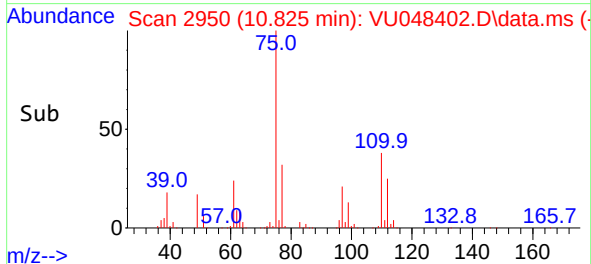
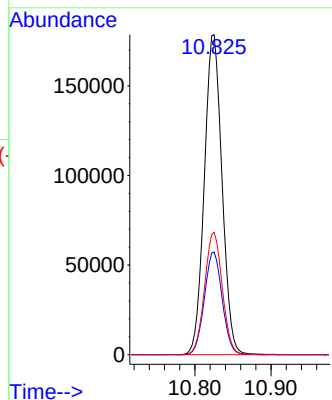
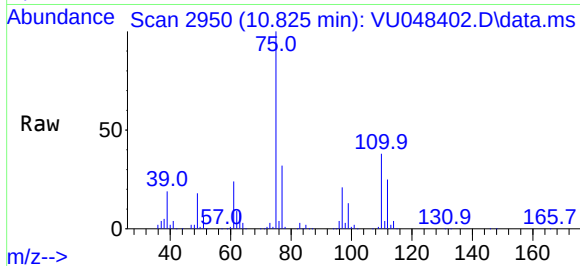




#60
1,2,3-Trichloropropane
Concen: 49.533 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

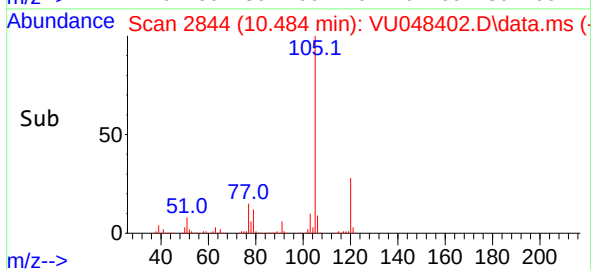
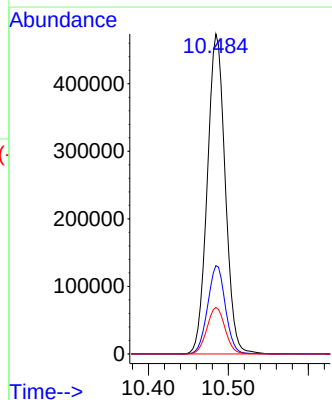
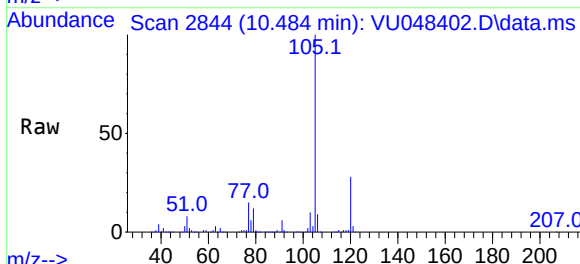
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

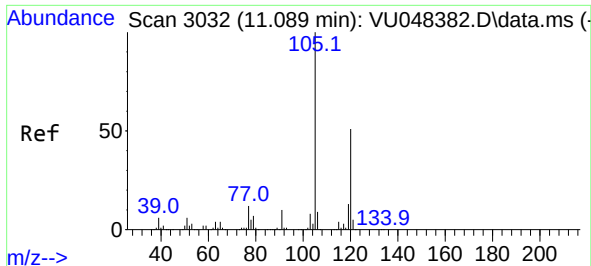
Tgt Ion: 75 Resp: 289037
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.8
110 38.2 29.9 44.9



#61
Isopropylbenzene
Concen: 52.674 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 105 Resp: 736682
Ion Ratio Lower Upper
105 100
120 27.5 21.7 32.5
77 14.8 11.7 17.5

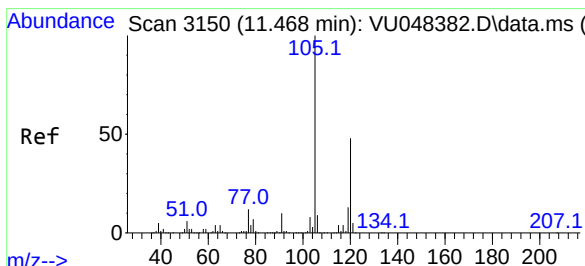
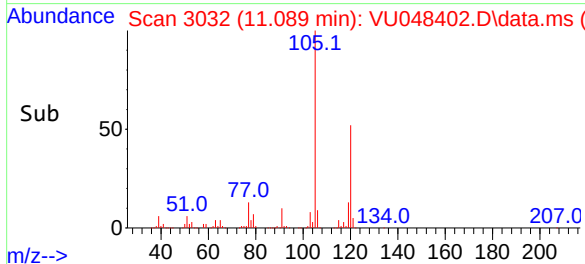
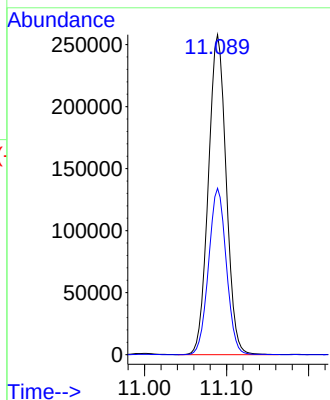
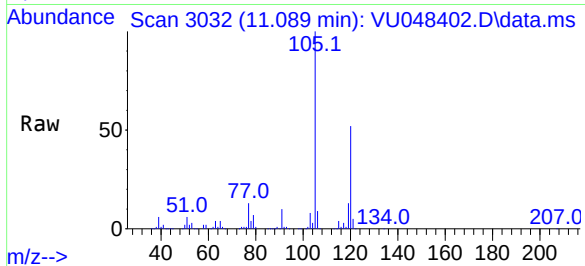




#62
1,3,5-Trimethylbenzene
Concen: 52.916 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

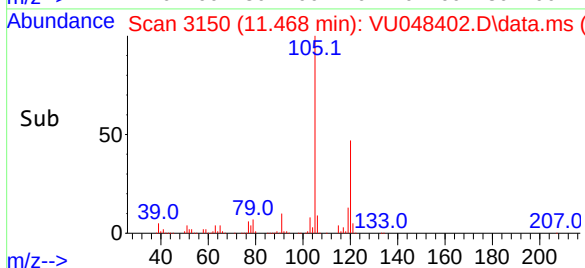
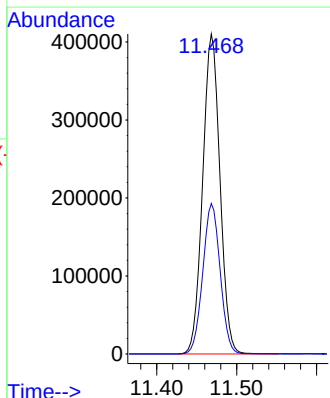
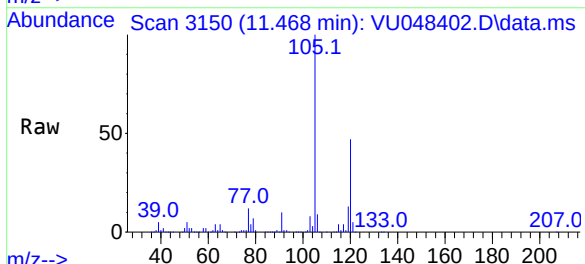
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

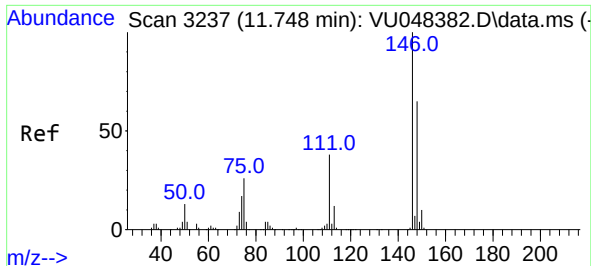
Tgt Ion:105 Resp: 390065
Ion Ratio Lower Upper
105 100
120 51.7 40.7 61.1



#63
1,2,4-Trimethylbenzene
Concen: 54.479 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion:105 Resp: 617422
Ion Ratio Lower Upper
105 100
120 47.3 38.0 57.0

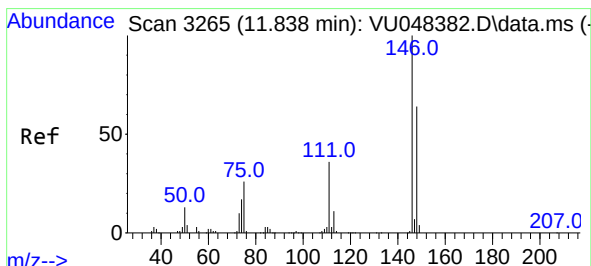
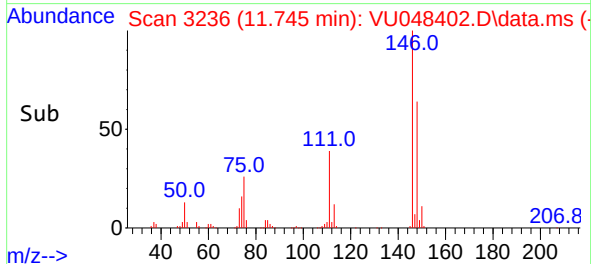
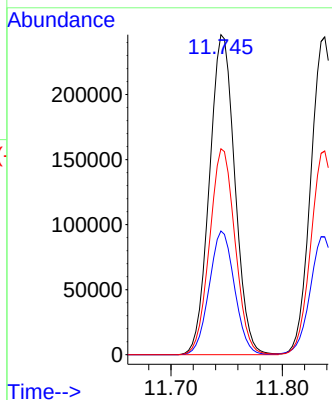
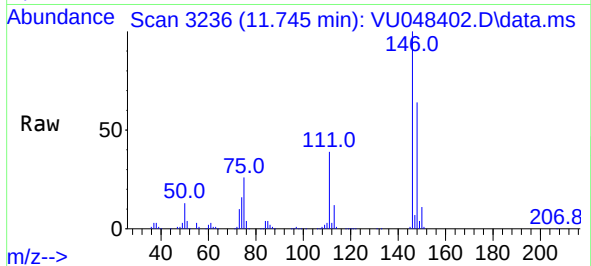




#64
1,3-Dichlorobenzene
Concen: 49.809 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

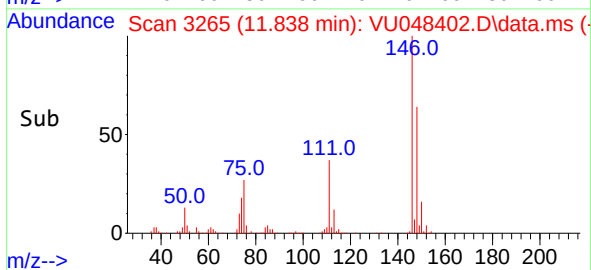
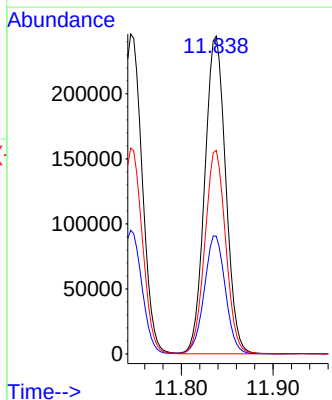
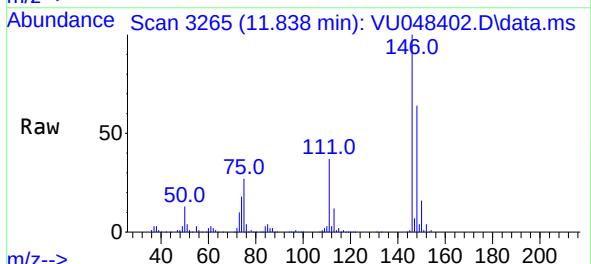
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

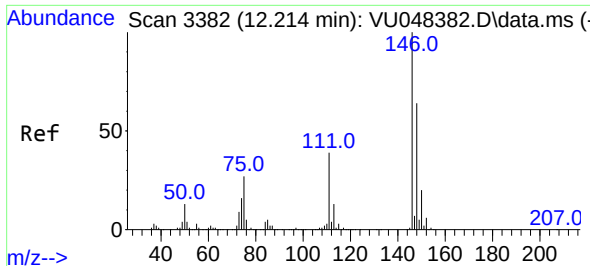
Tgt Ion:146 Resp: 390546
Ion Ratio Lower Upper
146 100
111 38.7 26.7 49.7
148 64.3 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 48.534 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion:146 Resp: 388503
Ion Ratio Lower Upper
146 100
111 37.0 25.9 48.1
148 64.1 45.1 83.7

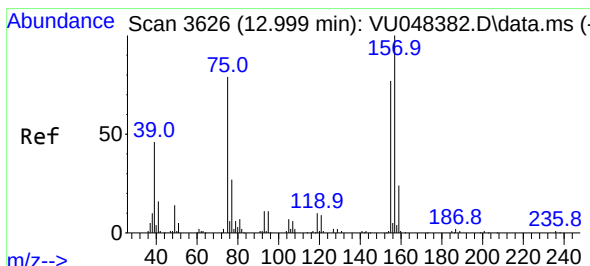
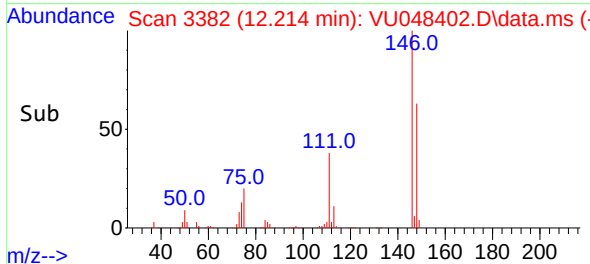
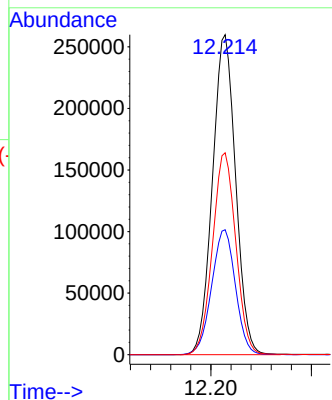
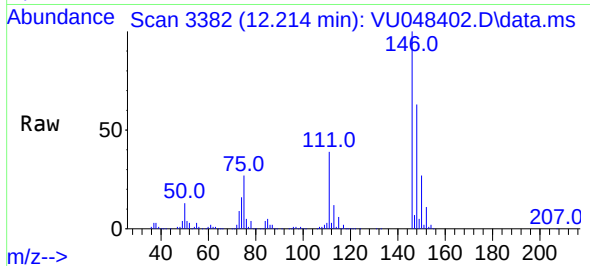




#67
1,2-Dichlorobenzene
Concen: 50.331 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

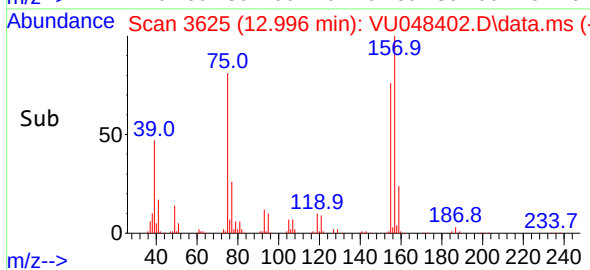
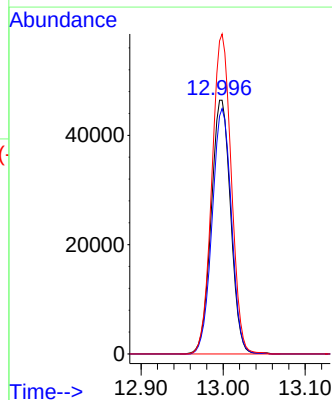
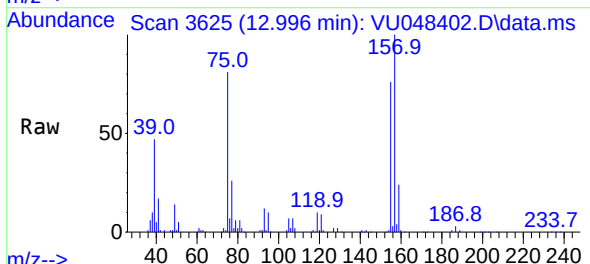
Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

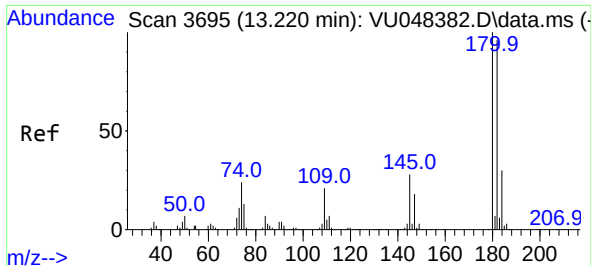
Tgt Ion:146 Resp: 415734
Ion Ratio Lower Upper
146 100
111 39.1 31.7 47.5
148 63.1 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 49.047 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion: 75 Resp: 76403
Ion Ratio Lower Upper
75 100
155 93.8 71.8 107.6
157 123.4 93.4 140.2



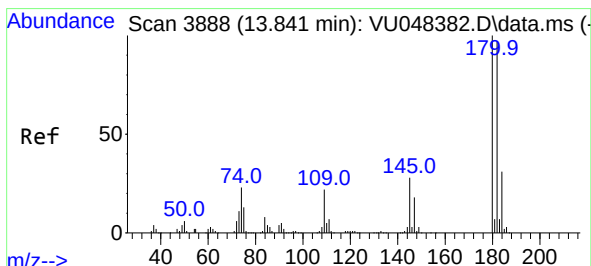
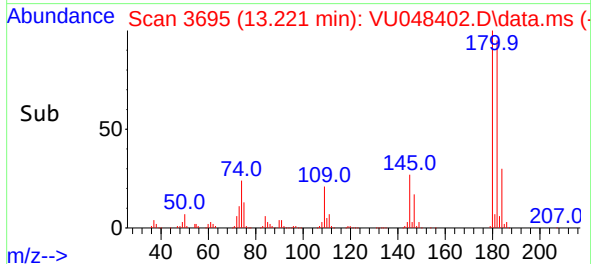
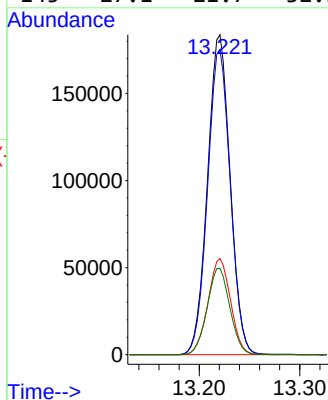
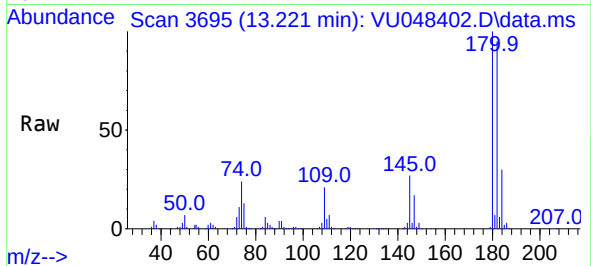


#69
1,3,5-Trichlorobenzene
Concen: 49.404 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

Tgt Ion:180 Resp: 287848

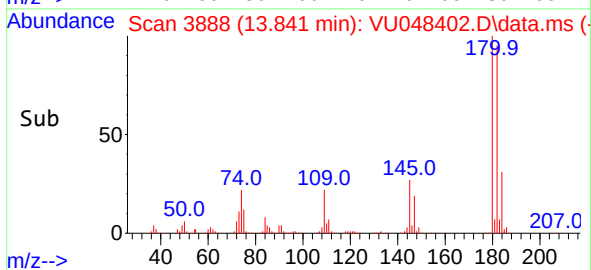
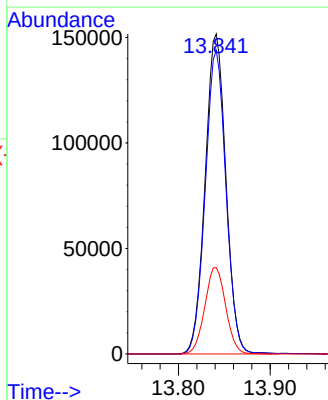
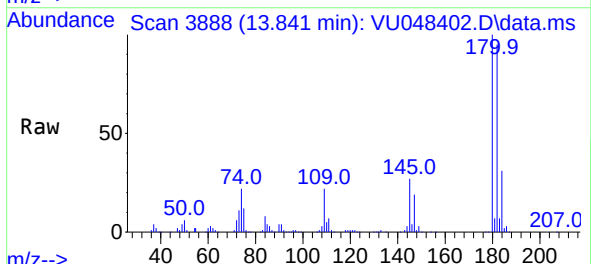
Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.0	115.4
184	29.9	24.6	37.0
145	27.1	21.7	32.5

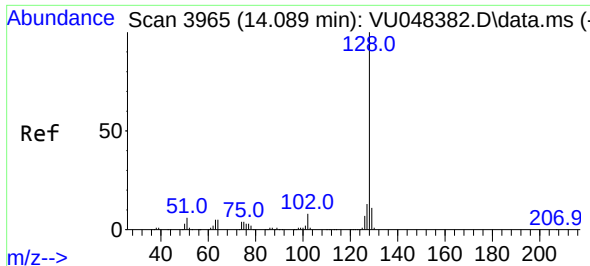


#70
1,2,4-trichlorobenzene
Concen: 52.009 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion:180 Resp: 239398

Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.3	114.5
145	27.2	22.6	33.8



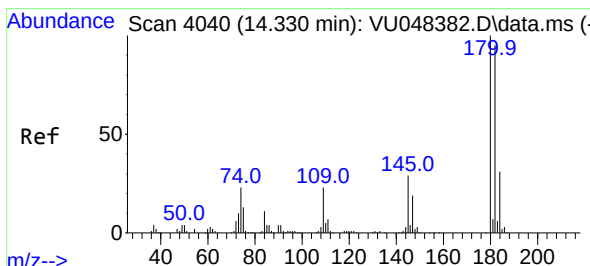
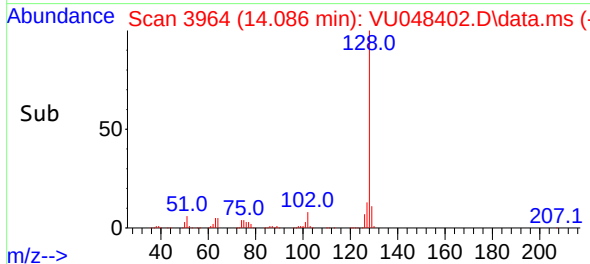
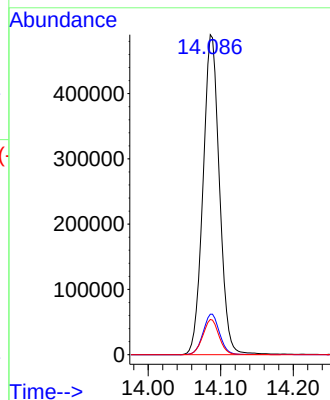
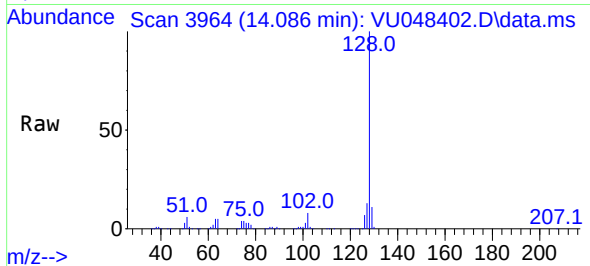


#71
Naphthalene
Concen: 58.536 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Instrument :
MSVOA_U
ClientSampleId :
EXL67MSD

Tgt Ion:128 Resp: 771087

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.7	13.1



#72
1,2,3-Trichlorobenzene
Concen: 53.904 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048402.D
Acq: 03 May 2022 19:53

Tgt Ion:180 Resp: 254283

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.6
145	29.9	23.5	35.3

