

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050622\
 Data File : VU048464.D
 Acq On : 06 May 2022 18:53
 Operator : SY/MD
 Sample : N2638-11MEMSD
 Misc : 4.88g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXL04MEMSD

Quant Time: May 07 04:10:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 06 23:43:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	400909	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	394547	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	175551	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	138064	39.987	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.980%
7) Chloroethane-d5	1.887	69	93642	41.557	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.120%
11) 1,1-Dichloroethene-d2	2.562	63	250764	40.809	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.620%
21) 2-Butanone-d5	4.623	46	247530	84.181	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.180%
24) Chloroform-d	5.063	84	241062	40.196	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.400%
26) 1,2-Dichloroethane-d4	5.700	65	157157	40.314	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.620%
32) Benzene-d6	5.726	84	477977	39.866	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.740%
36) 1,2-Dichloropropane-d6	6.690	67	156188	39.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.900%
41) Toluene-d8	7.896	98	422766	39.870	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.740%#
43) trans-1,3-Dichloroprop...	8.179	79	71746	39.870	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.740%
47) 2-Hexanone-d5	8.636	63	177245	93.664	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.660%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	260608	43.760	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.520%
66) 1,2-Dichlorobenzene-d4	12.195	152	132730	38.183	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.360%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	161489	44.529	ug/L	100
3) Chloromethane	1.520	50	192592	46.428	ug/L	100
5) Vinyl chloride	1.604	62	183833	46.649	ug/L	99
6) Bromomethane	1.832	94	83252	42.719	ug/L	98
8) Chloroethane	1.912	64	97536	46.035	ug/L	98
9) Trichlorofluoromethane	2.125	101	229177	44.262	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	126947	42.726	ug/L	99
12) 1,1-Dichloroethene	2.575	96	127075	45.235	ug/L	93
13) Acetone	2.626	43	182574	82.357	ug/L	99
14) Carbon disulfide	2.787	76	392156	45.038	ug/L	100
15) Methyl Acetate	2.944	43	216360	47.641	ug/L	98
16) Methylene chloride	3.044	84	163320	47.541	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	134516	44.882	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	474992	47.061	ug/L	100
19) 1,1-Dichloroethane	3.867	63	284513	46.038	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	157564	46.588	ug/L	100
22) 2-Butanone	4.700	43	309390	93.362	ug/L	98
23) Bromochloromethane	4.973	128	81984	45.998	ug/L	94
25) Chloroform	5.089	83	280386	45.946	ug/L	97

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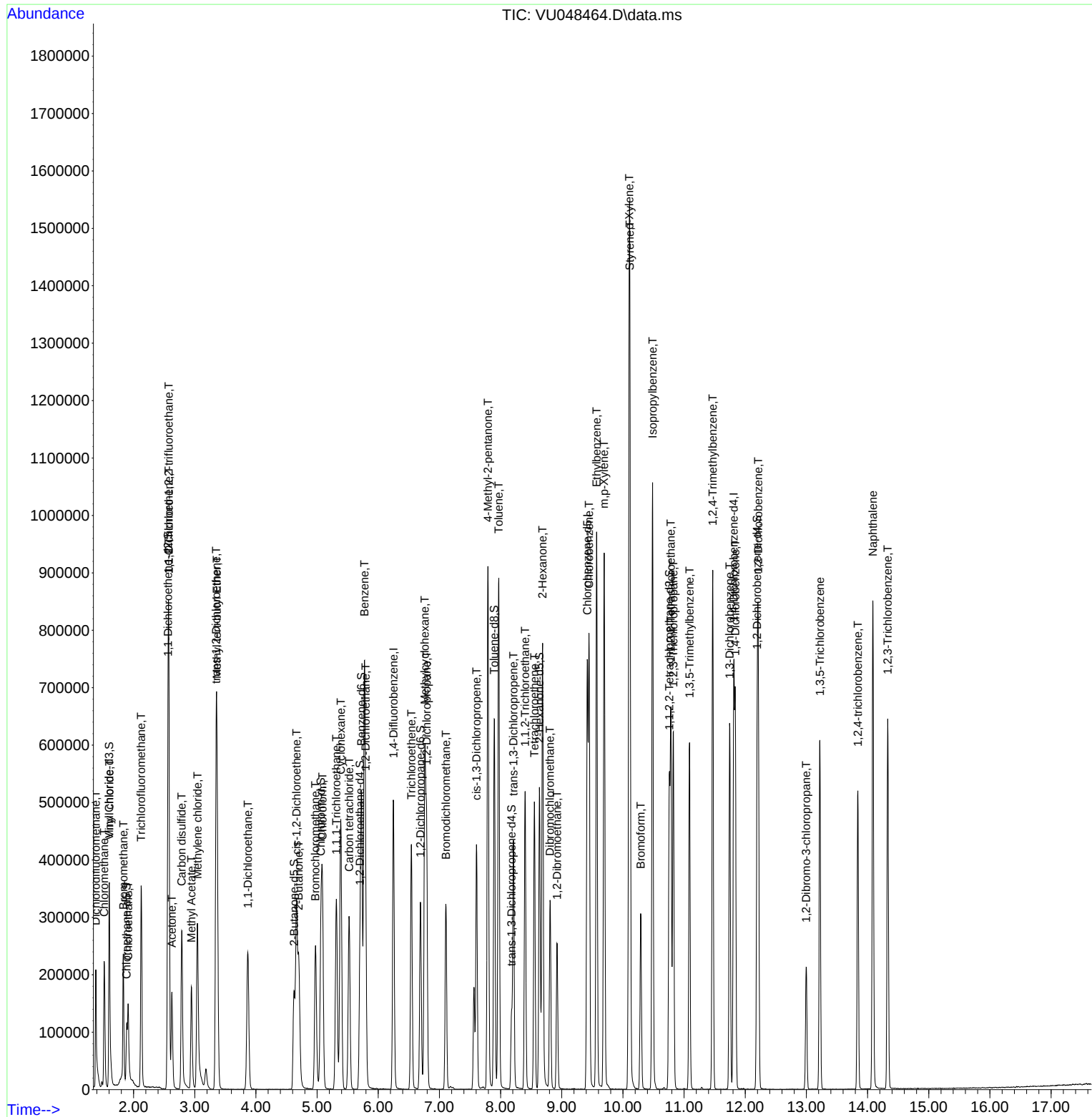
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	229414	45.724	ug/L	98
29) Cyclohexane	5.388	56	242483	44.537	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	244560	44.634	ug/L	99
31) Carbon tetrachloride	5.523	117	208494	44.438	ug/L	100
33) Benzene	5.774	78	616844	45.407	ug/L	100
34) Trichloroethene	6.542	95	149047	44.635	ug/L	98
35) Methylcyclohexane	6.761	83	229214	43.022	ug/L	99
37) 1,2-Dichloropropane	6.790	63	174758	46.092	ug/L	99
38) Bromodichloromethane	7.105	83	207604	44.969	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	245359	45.496	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	612801	100.872	ug/L	100
42) Toluene	7.970	91	639447	45.608	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	242053	46.186	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	160502	46.810	ug/L	98
46) Tetrachloroethene	8.552	164	110284	43.963	ug/L	97
48) 2-Hexanone	8.687	43	510229	101.061	ug/L	99
49) Dibromochloromethane	8.809	129	169453	46.019	ug/L	97
50) 1,2-Dibromoethane	8.925	107	166012	45.803	ug/L	96
51) Chlorobenzene	9.446	112	405150	45.862	ug/L	98
52) Ethylbenzene	9.571	91	678099	46.428	ug/L	100
53) m,p-Xylene	9.693	106	266340	47.244	ug/L	99
54) o-Xylene	10.102	106	272702	48.080	ug/L	100
55) Styrene	10.115	104	458102	49.676	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	323945	50.408	ug/L	99
59) Bromoform	10.291	173	137474	55.217	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	261638	57.095	ug/L	99
61) Isopropylbenzene	10.484	105	671127	54.557	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	315028	46.457	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	489686	48.489	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	250742	43.219	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	255913	43.996	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	271399	45.712	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	57116	42.525	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	176780	43.095	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	154508	43.372	ug/L	99
71) Naphthalene	14.085	128	664513	48.438	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	191413	50.520	ug/L	99

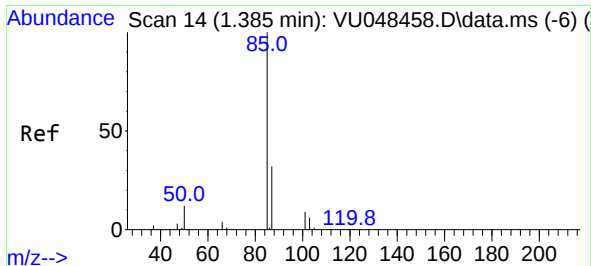
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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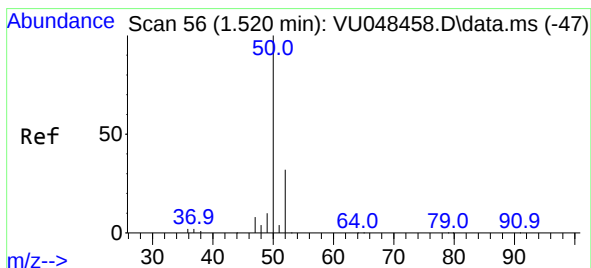
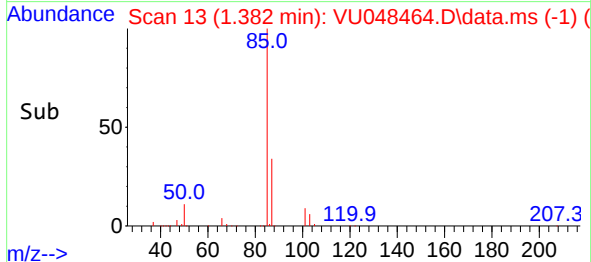
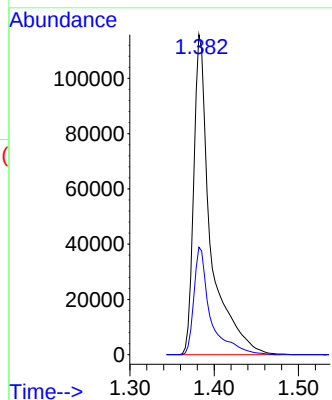
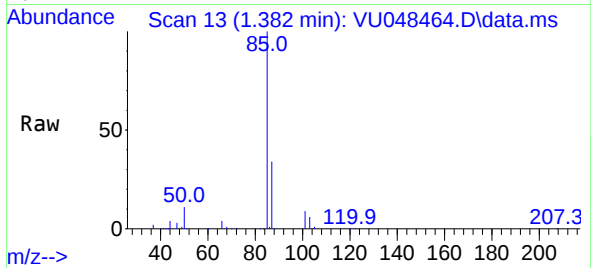




#2
Dichlorodifluoromethane
Concen: 44.529 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

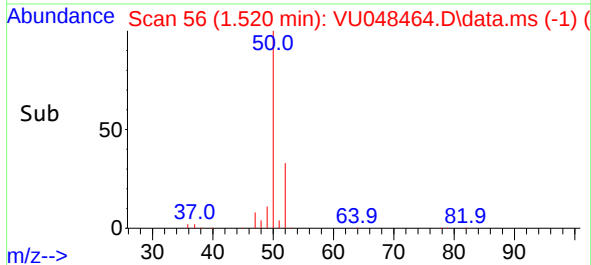
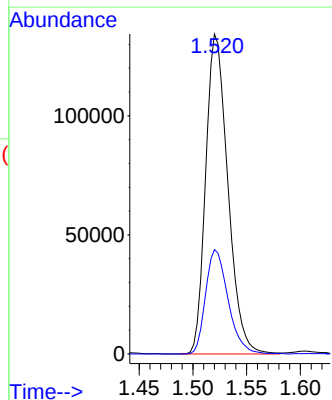
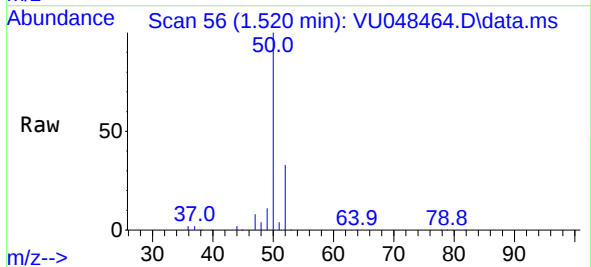
Instrument :
MSVOA_U
ClientSampleId :
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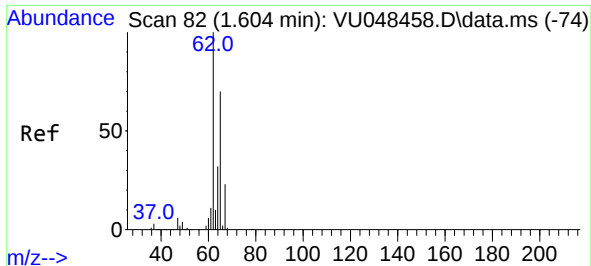
Tgt Ion: 85 Resp: 161489
Ion Ratio Lower Upper
85 100
87 32.8 26.2 39.4



#3
Chloromethane
Concen: 46.428 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 50 Resp: 192592
Ion Ratio Lower Upper
50 100
52 32.6 23.0 42.8

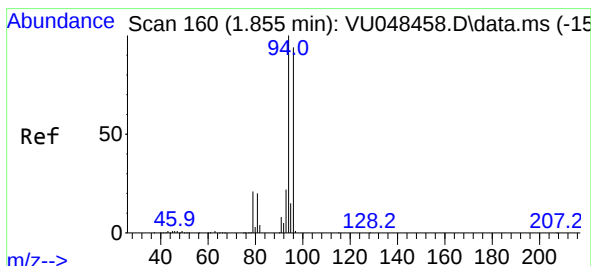
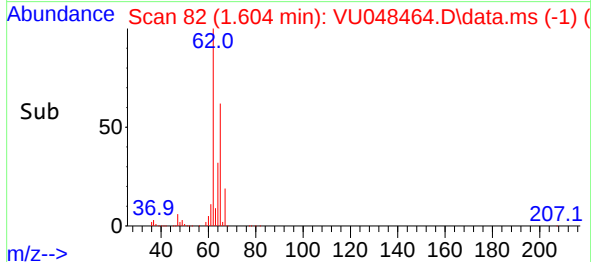
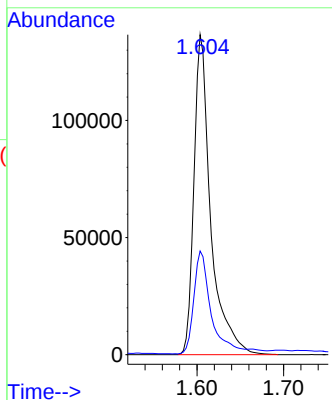
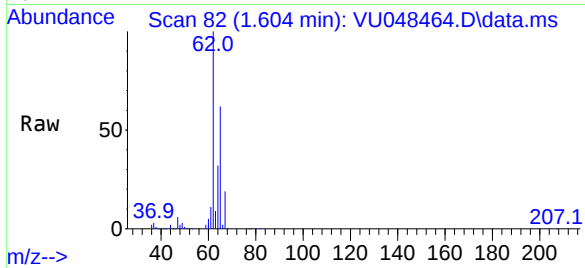




#5
 Vinyl chloride
 Concen: 46.649 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048464.D
 Acq: 06 May 2022 18:53

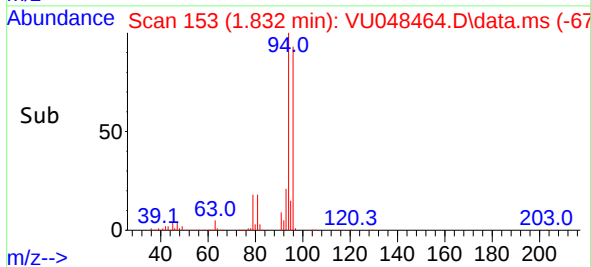
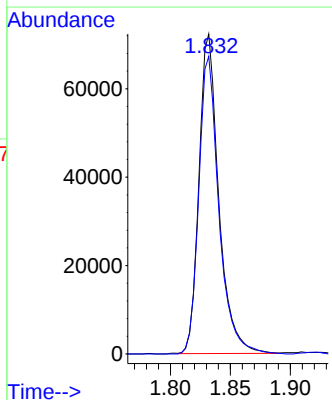
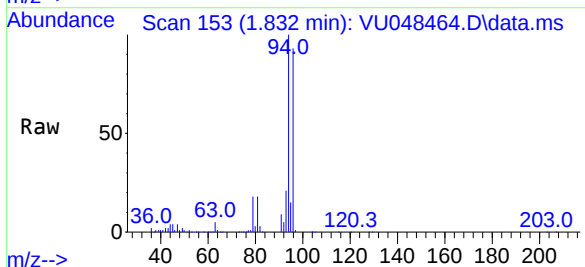
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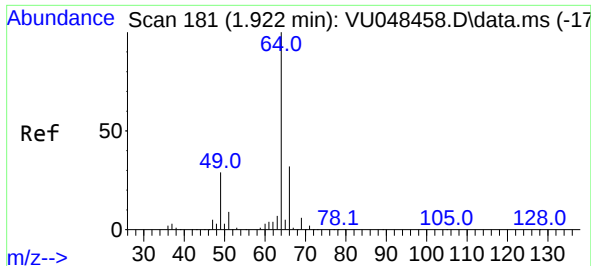
Tgt Ion: 62 Resp: 183833
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.2 43.0



#6
 Bromomethane
 Concen: 42.719 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.023 min
 Lab File: VU048464.D
 Acq: 06 May 2022 18:53

Tgt Ion: 94 Resp: 83252
 Ion Ratio Lower Upper
 94 100
 96 93.0 66.5 123.5

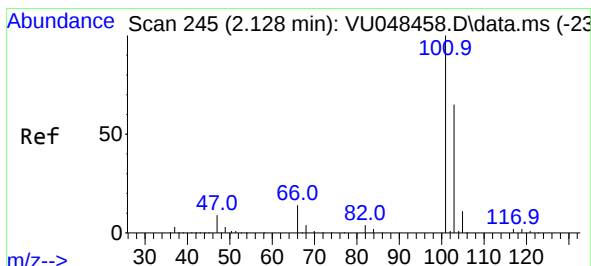
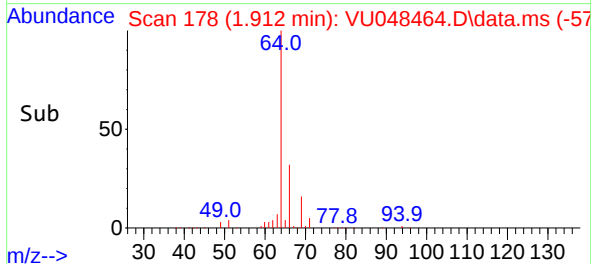
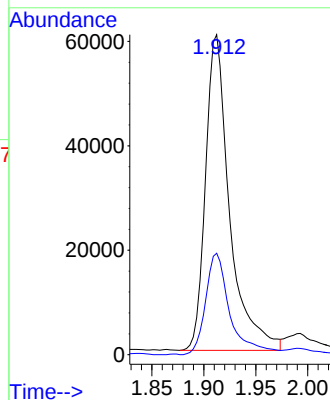
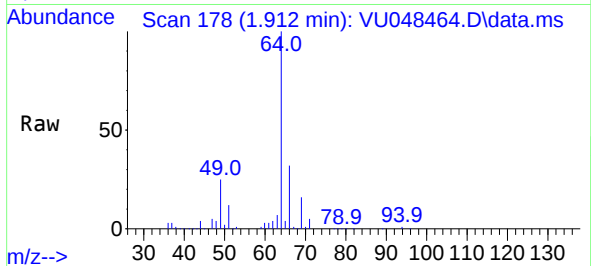




#8
Chloroethane
Concen: 46.035 ug/L
RT: 1.912 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

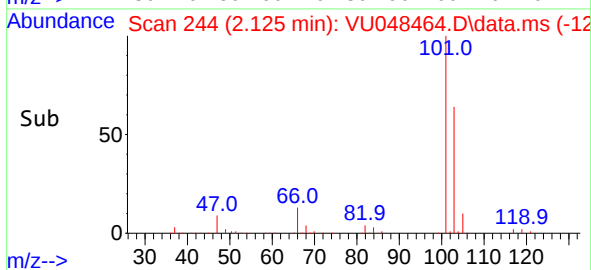
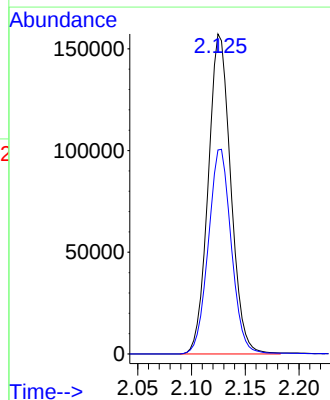
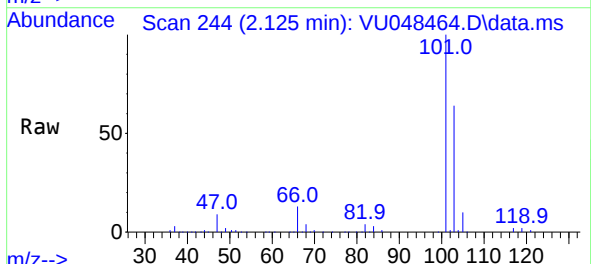
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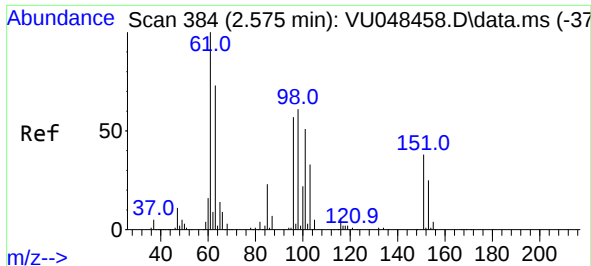
Tgt Ion: 64 Resp: 97536
Ion Ratio Lower Upper
64 100
66 31.7 22.8 42.4



#9
Trichlorofluoromethane
Concen: 44.262 ug/L
RT: 2.125 min Scan# 244
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion:101 Resp: 229177
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0

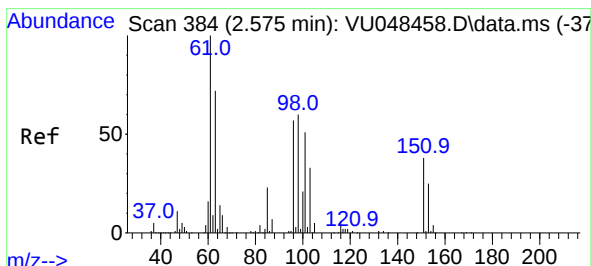
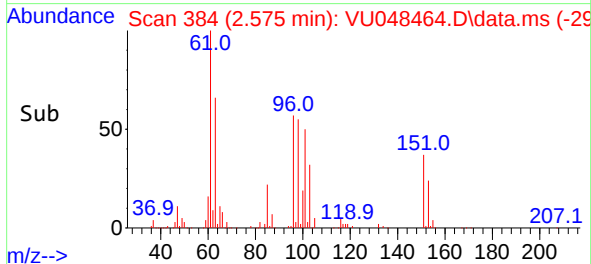
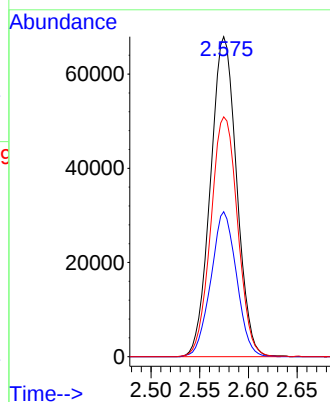
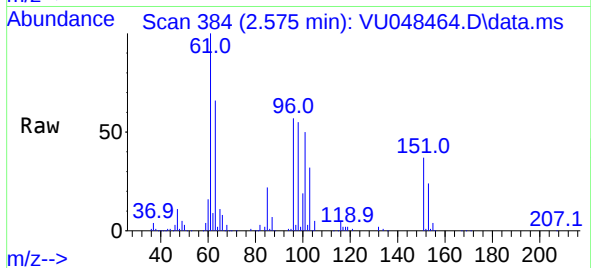




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 42.726 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

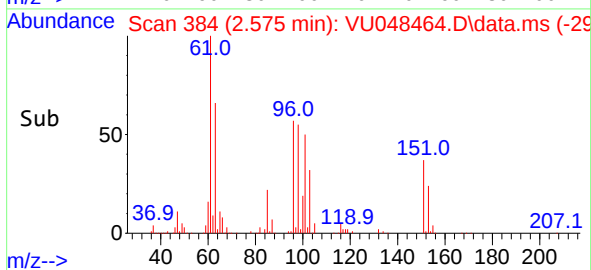
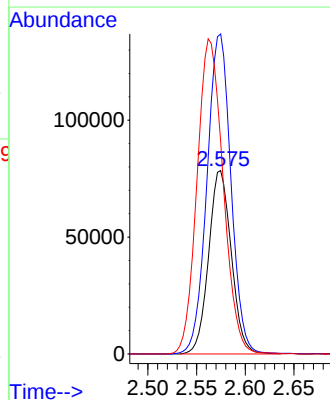
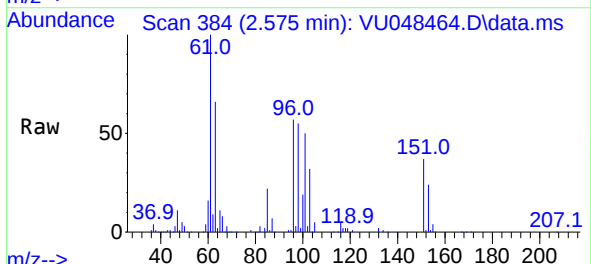
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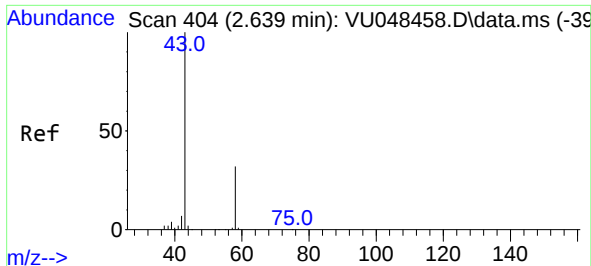
Tgt Ion:101 Resp: 126947
Ion Ratio Lower Upper
101 100
85 44.4 34.8 52.2
151 76.9 60.7 91.1



#12
1,1-Dichloroethene
Concen: 45.235 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 96 Resp: 127075
Ion Ratio Lower Upper
96 100
61 174.5 124.5 231.3
63 115.7 92.5 171.9

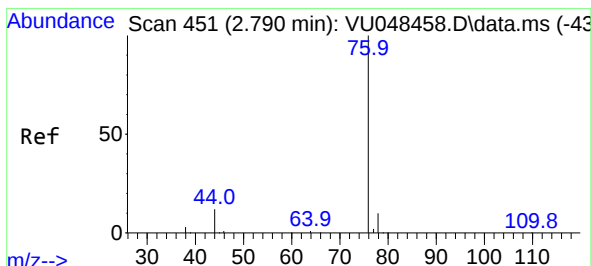
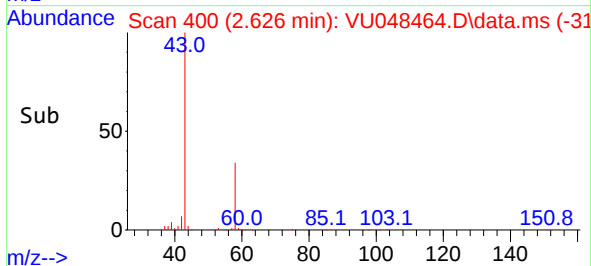
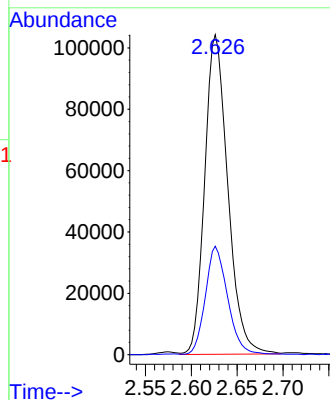
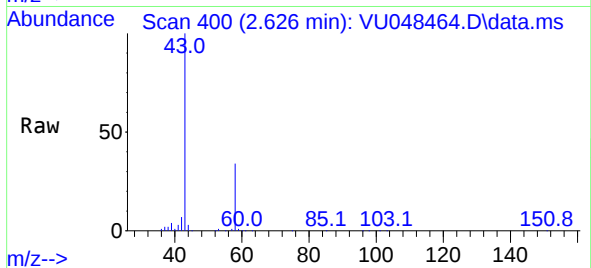




#13
Acetone
Concen: 82.357 ug/L
RT: 2.626 min Scan# 404
Delta R.T. -0.013 min
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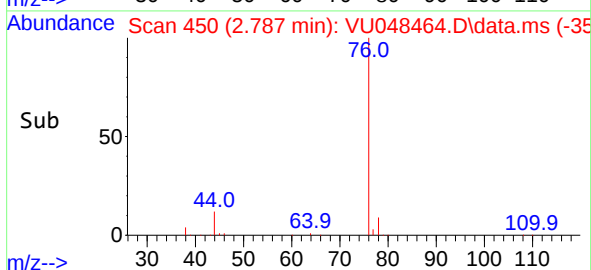
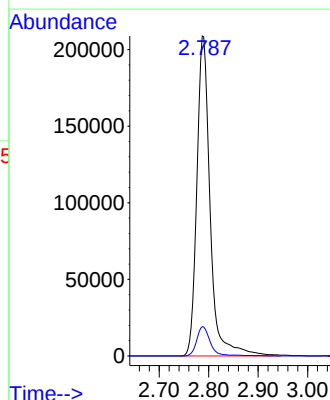
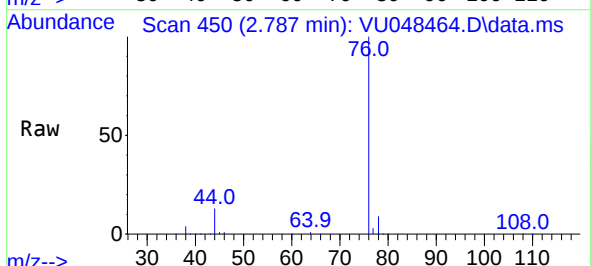
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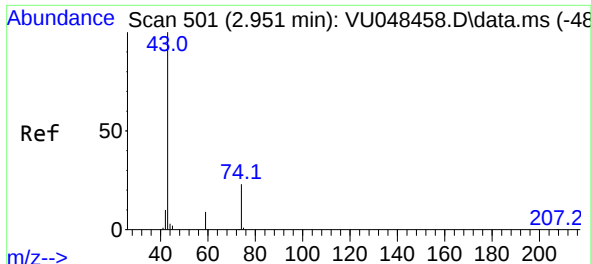
Tgt Ion: 43 Resp: 182574
Ion Ratio Lower Upper
43 100
58 32.4 0.0 66.2



#14
Carbon disulfide
Concen: 45.038 ug/L
RT: 2.787 min Scan# 450
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 76 Resp: 392156
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

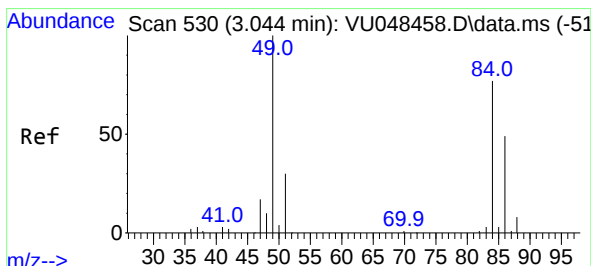
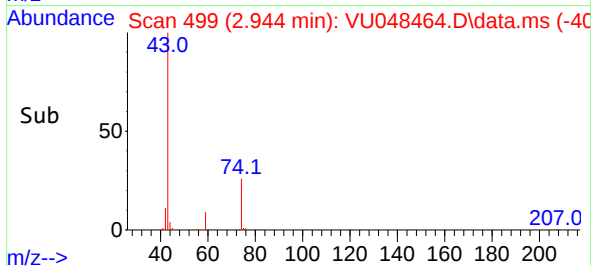
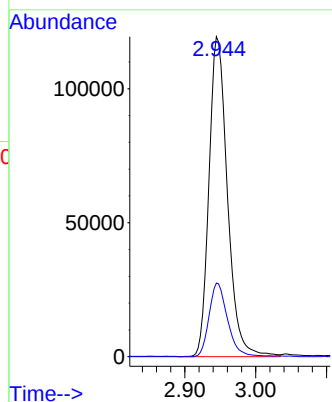
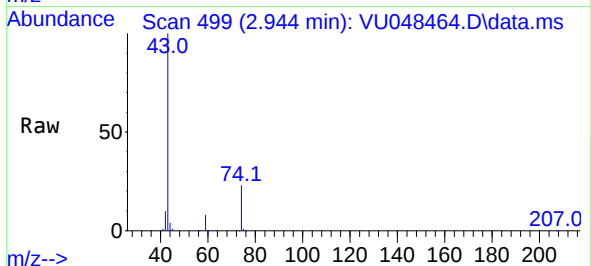




#15
Methyl Acetate
Concen: 47.641 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.007 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

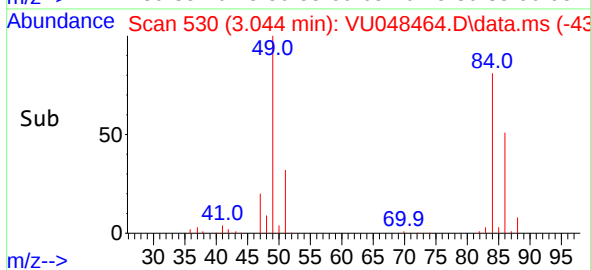
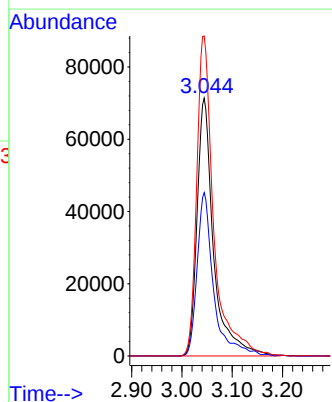
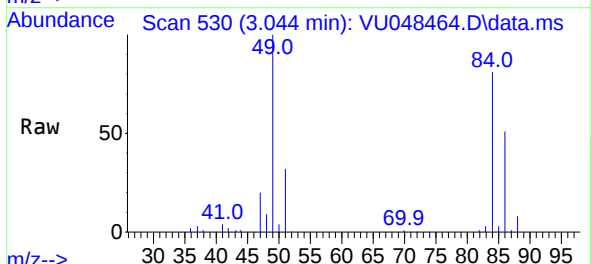
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

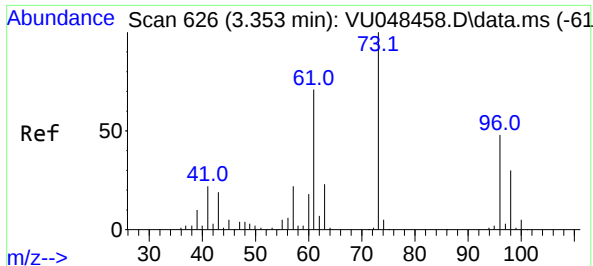
Tgt Ion: 43 Resp: 216360
Ion Ratio Lower Upper
43 100
74 22.9 17.6 26.4



#16
Methylene chloride
Concen: 47.541 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 84 Resp: 163320
Ion Ratio Lower Upper
84 100
86 63.4 44.8 83.2
49 124.1 92.0 170.8

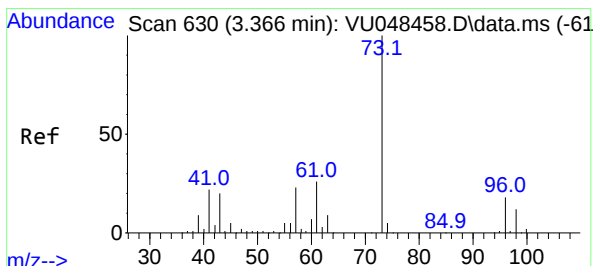
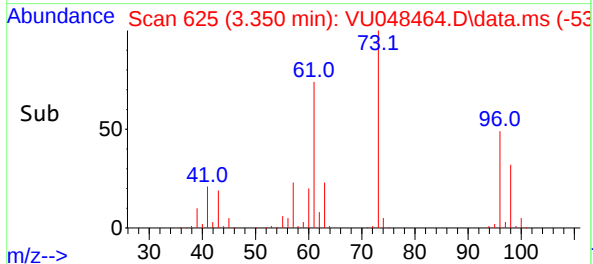
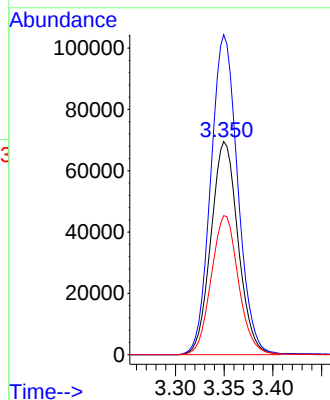
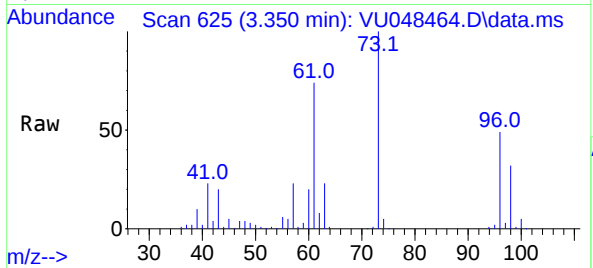




#17
trans-1,2-Dichloroethene
Concen: 44.882 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

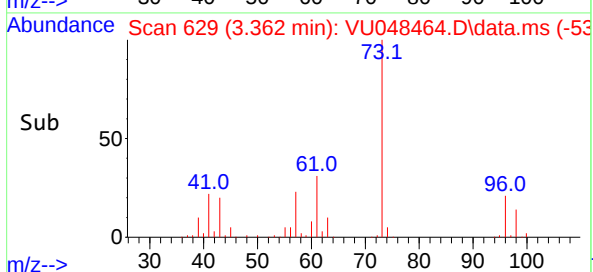
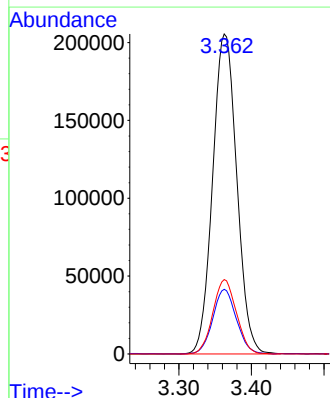
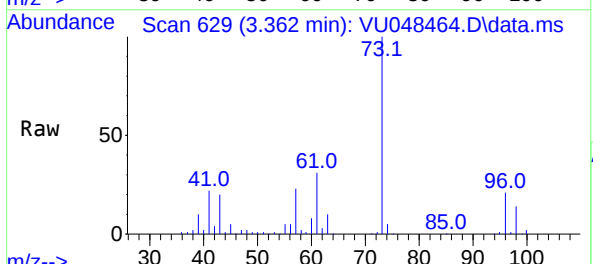
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

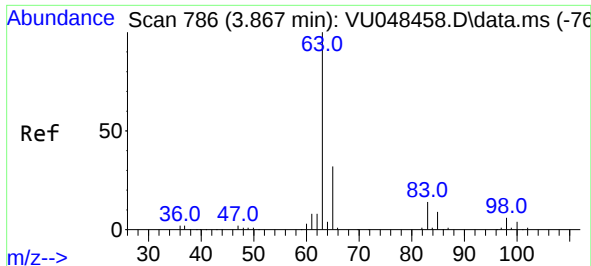
Tgt Ion: 96 Resp: 134516
Ion Ratio Lower Upper
96 100
61 150.1 101.2 187.8
98 65.2 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 47.061 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 73 Resp: 474992
Ion Ratio Lower Upper
73 100
43 19.9 15.6 23.4
57 22.7 18.1 27.1

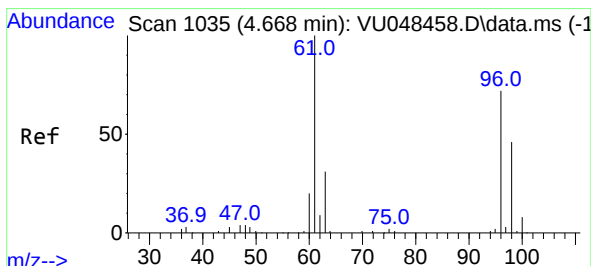
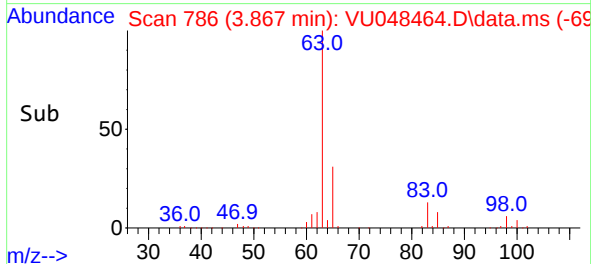
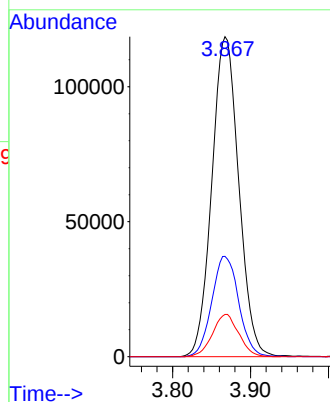
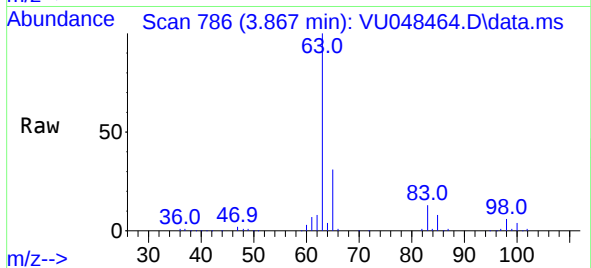




#19
1,1-Dichloroethane
Concen: 46.038 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

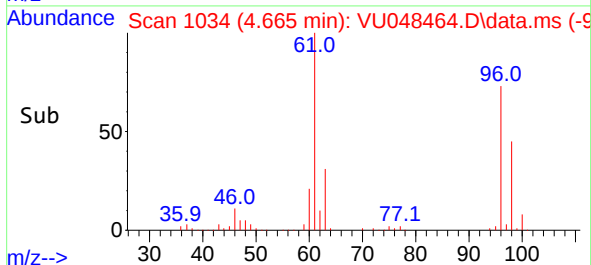
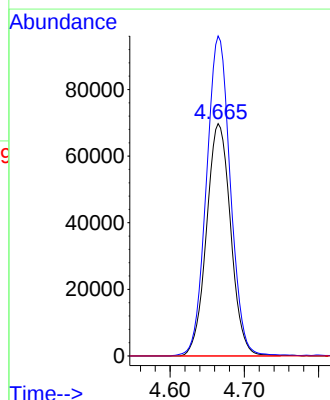
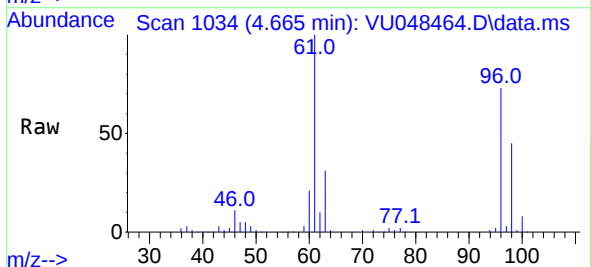
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

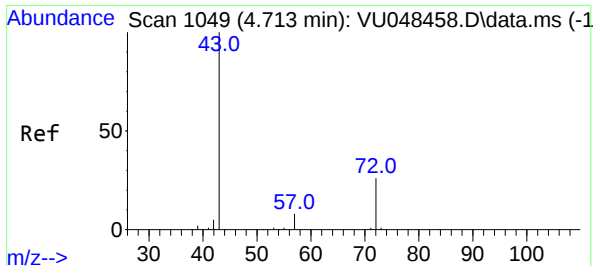
Tgt Ion: 63 Resp: 284513
Ion Ratio Lower Upper
63 100
65 31.4 22.0 41.0
83 13.2 8.5 15.9



#20
cis-1,2-Dichloroethene
Concen: 46.588 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 96 Resp: 157564
Ion Ratio Lower Upper
96 100
61 137.7 96.2 178.8
68 0.0 0.0 0.0

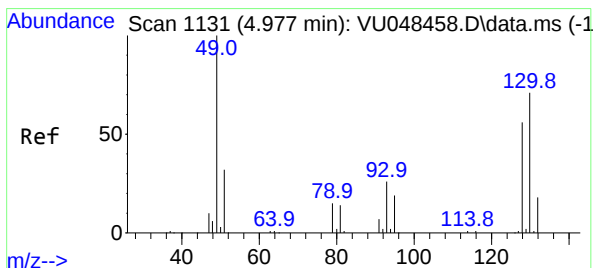
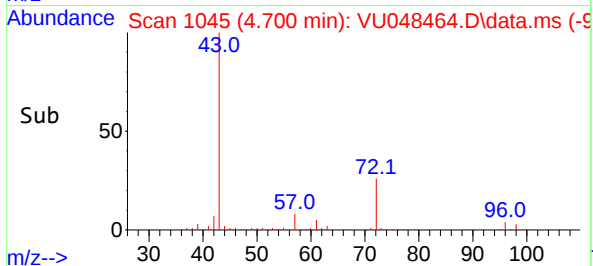
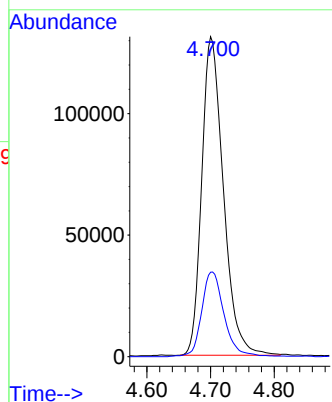
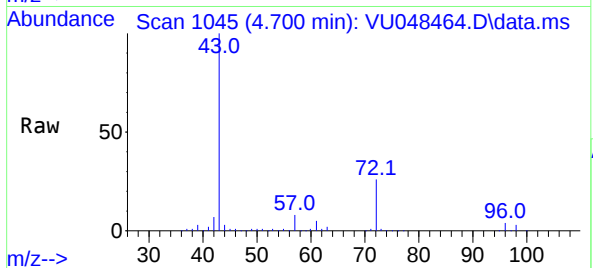




#22
2-Butanone
Concen: 93.362 ug/L
RT: 4.700 min Scan# 1104
Delta R.T. -0.013 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

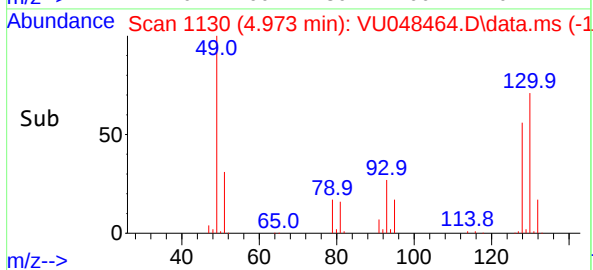
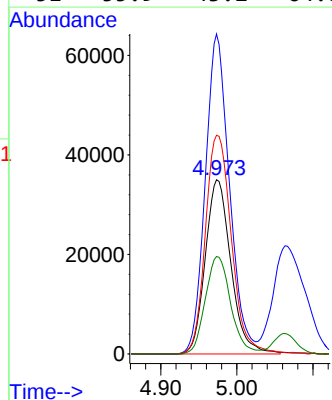
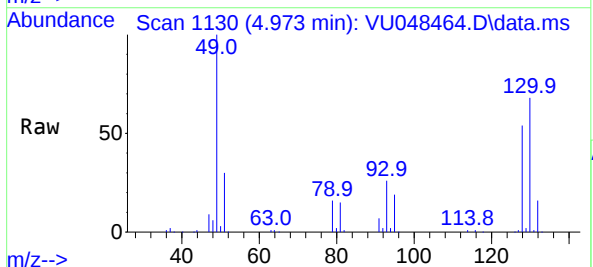
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

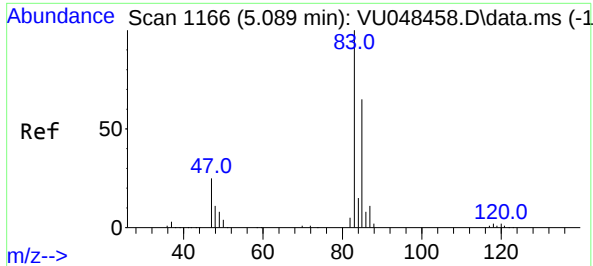
Tgt Ion: 43 Resp: 309390
Ion Ratio Lower Upper
43 100
72 27.4 13.3 39.9



#23
Bromochloromethane
Concen: 45.998 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion:128 Resp: 81984
Ion Ratio Lower Upper
128 100
49 183.6 123.1 228.7
130 125.5 93.6 173.8
51 55.9 43.2 64.8

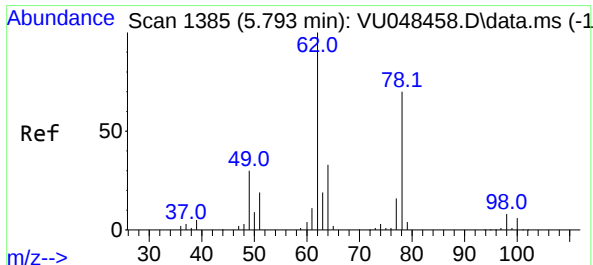
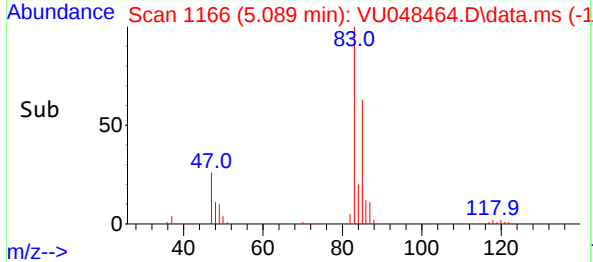
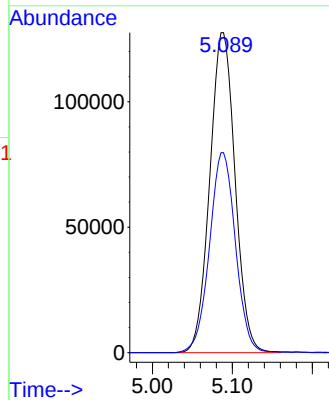
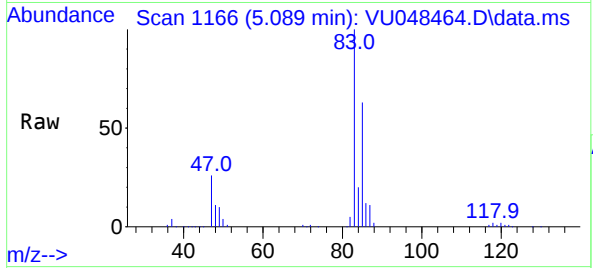




#25
Chloroform
Concen: 45.946 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

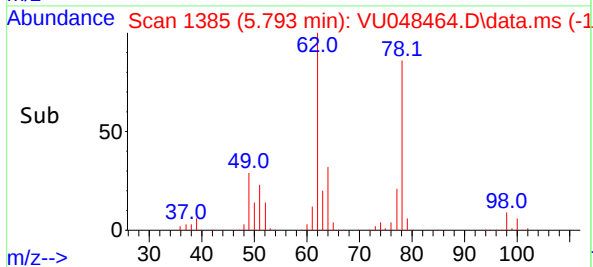
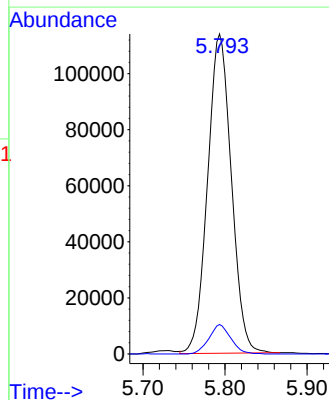
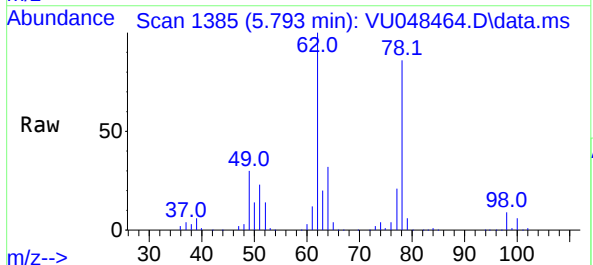
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

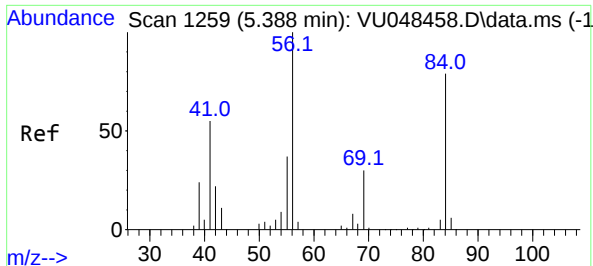
Tgt Ion: 83 Resp: 280386
Ion Ratio Lower Upper
83 100
85 62.5 45.4 84.2



#27
1,2-Dichloroethane
Concen: 45.724 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 62 Resp: 229414
Ion Ratio Lower Upper
62 100
98 9.2 6.8 10.2





#29

Cyclohexane

Concen: 44.537 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU048464.D

Acq: 06 May 2022 18:53

Instrument :

MSVOA_U

ClientSampleId :

EXL04MEMSD

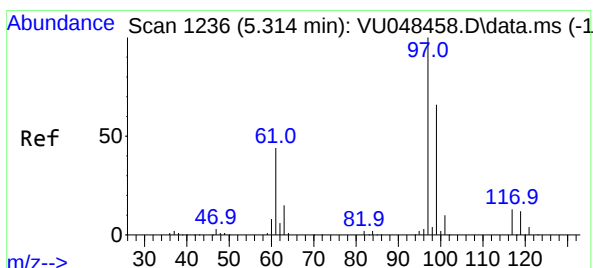
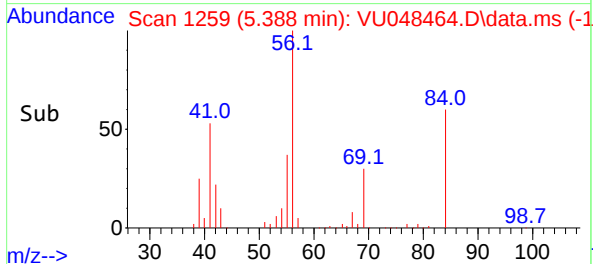
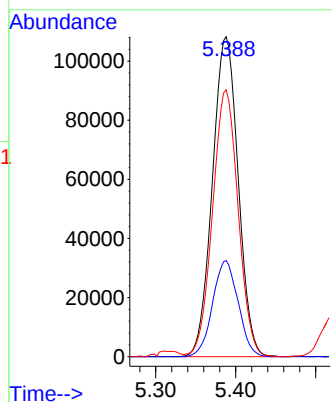
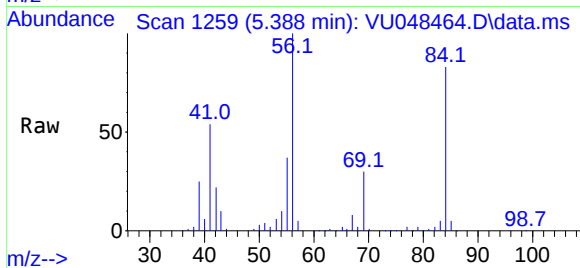
Tgt Ion: 56 Resp: 242483

Ion Ratio Lower Upper

56 100

69 29.7 23.4 35.0

84 82.0 65.5 98.3



#30

1,1,1-Trichloroethane

Concen: 44.634 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU048464.D

Acq: 06 May 2022 18:53

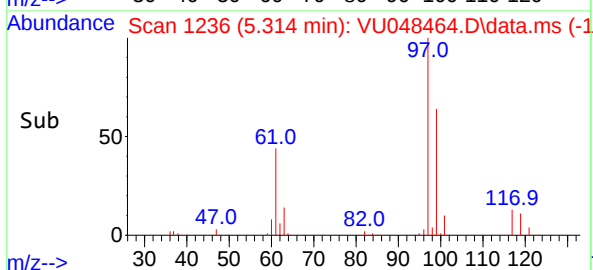
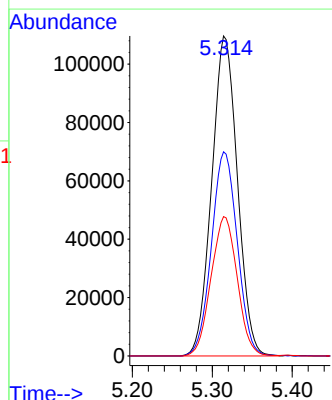
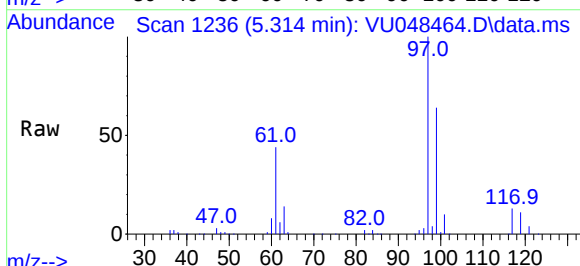
Tgt Ion: 97 Resp: 244560

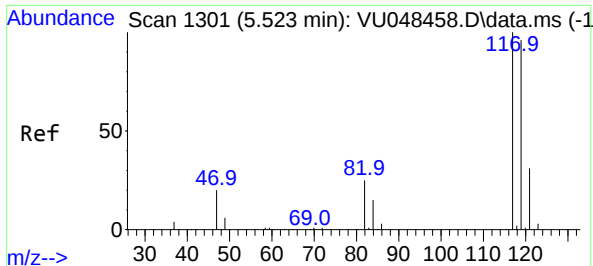
Ion Ratio Lower Upper

97 100

99 64.3 50.5 75.7

61 44.4 35.0 52.4

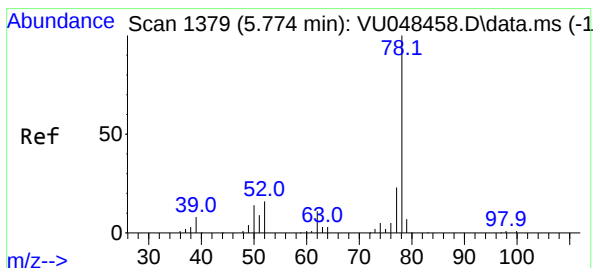
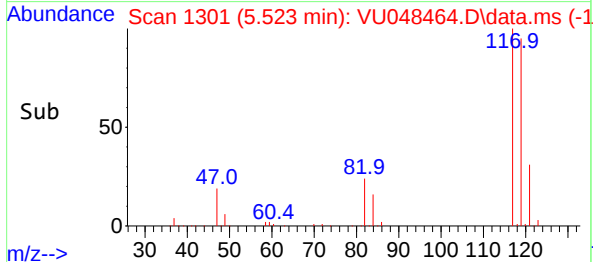
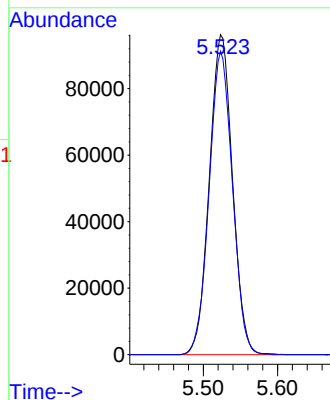
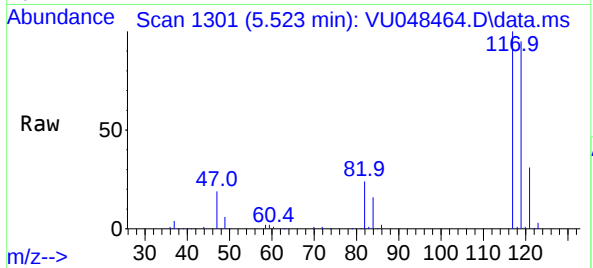




#31
Carbon tetrachloride
Concen: 44.438 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

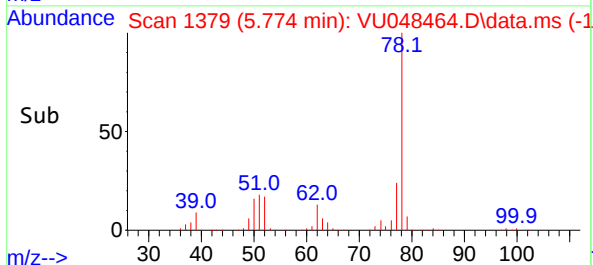
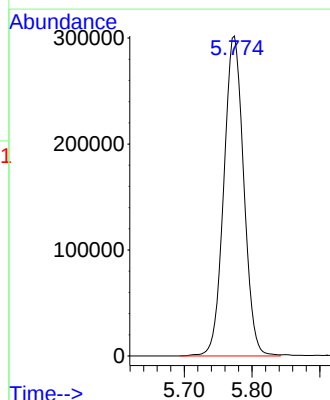
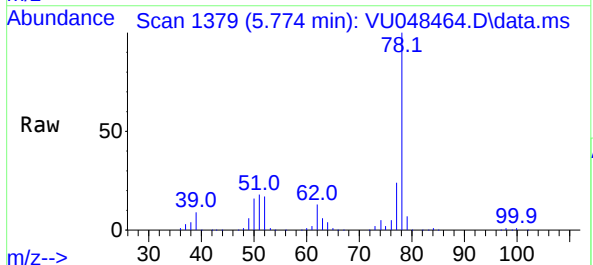
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

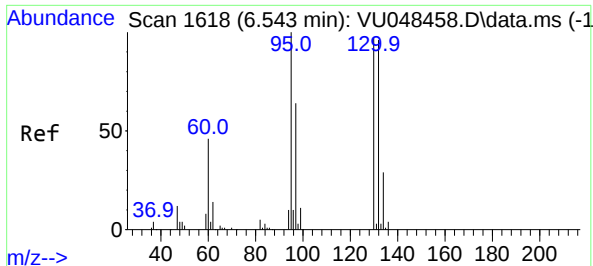
Tgt Ion:117 Resp: 208494
Ion Ratio Lower Upper
117 100
119 95.2 76.5 114.7



#33
Benzene
Concen: 45.407 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 78 Resp: 616844

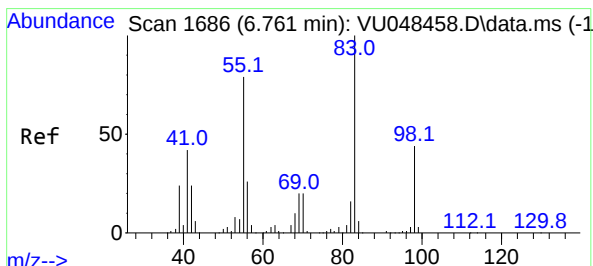
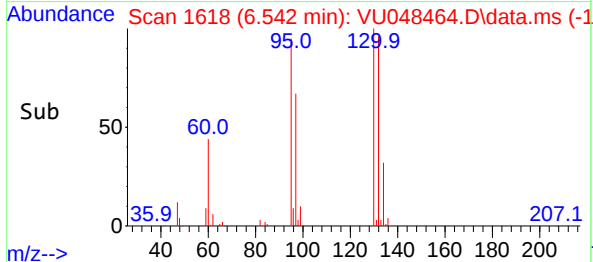
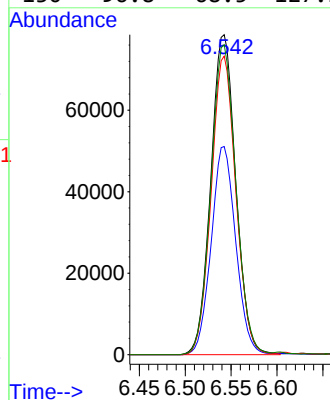
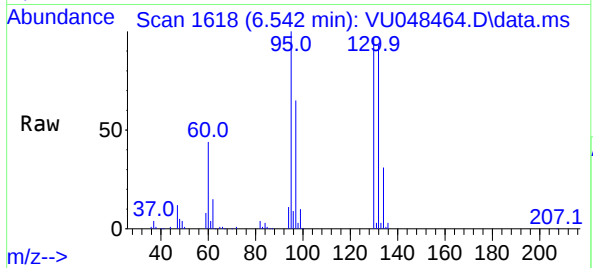




#34
Trichloroethene
Concen: 44.635 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

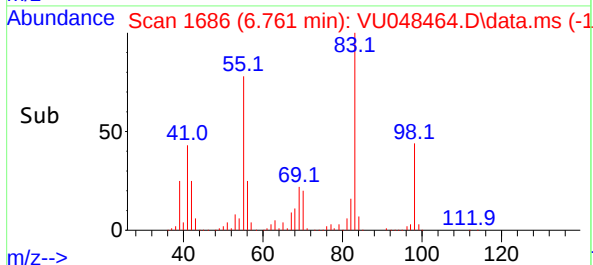
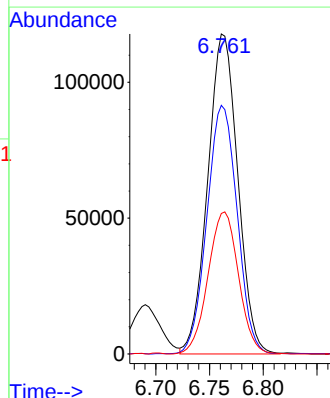
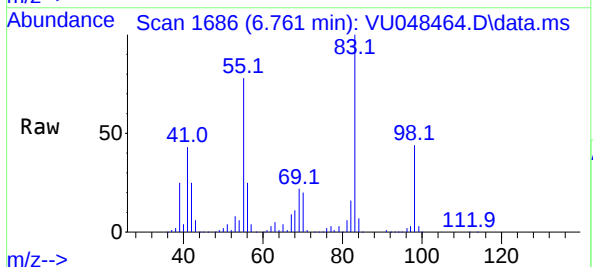
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

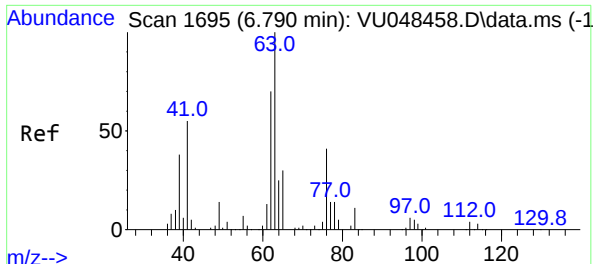
Tgt Ion: 95 Resp: 149047
Ion Ratio Lower Upper
95 100
97 65.0 46.6 86.6
132 93.3 67.3 124.9
130 96.8 68.5 127.1



#35
Methylcyclohexane
Concen: 43.022 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 83 Resp: 229214
Ion Ratio Lower Upper
83 100
55 78.2 63.4 95.2
98 45.0 35.9 53.9

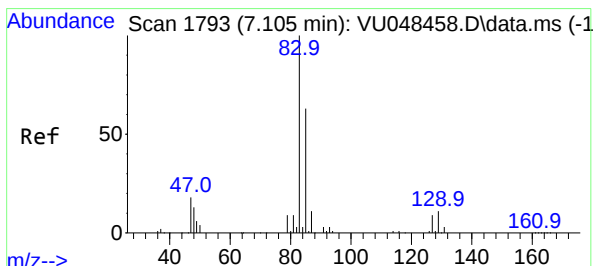
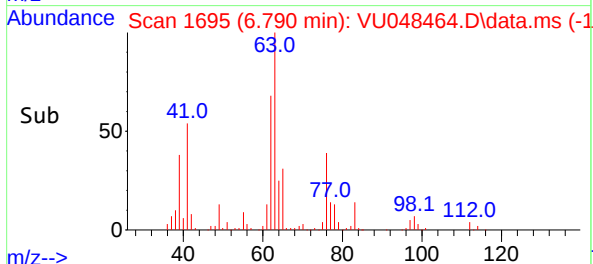
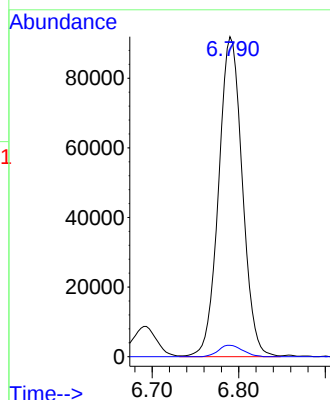
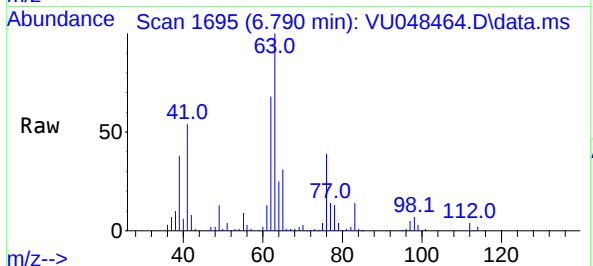




#37
1,2-Dichloropropane
Concen: 46.092 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

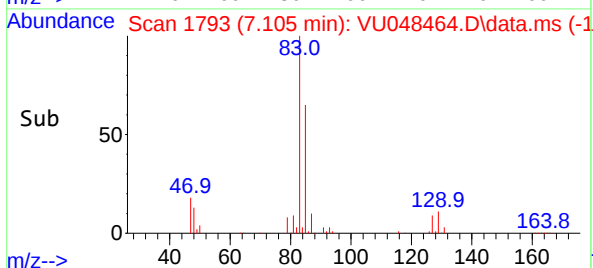
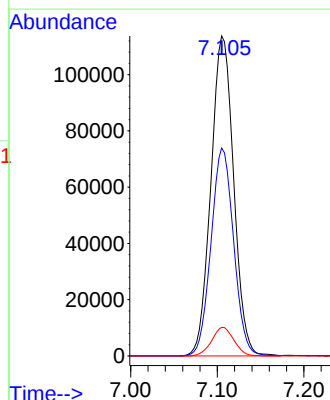
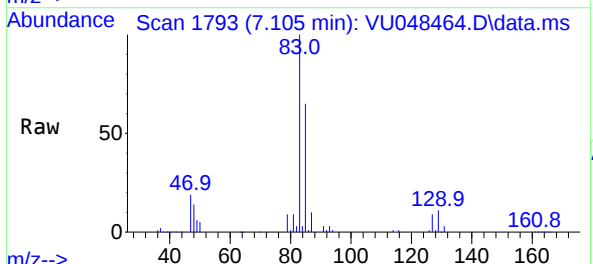
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

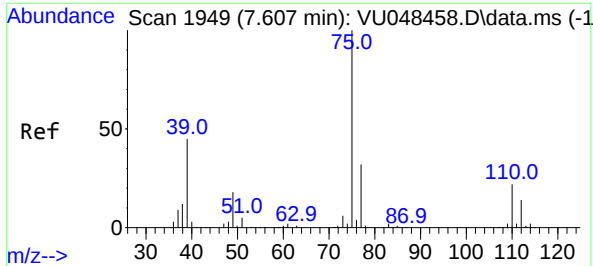
Tgt Ion: 63 Resp: 174758
Ion Ratio Lower Upper
63 100
112 3.7 3.1 4.7



#38
Bromodichloromethane
Concen: 44.969 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 83 Resp: 207604
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5
127 9.0 6.9 10.3

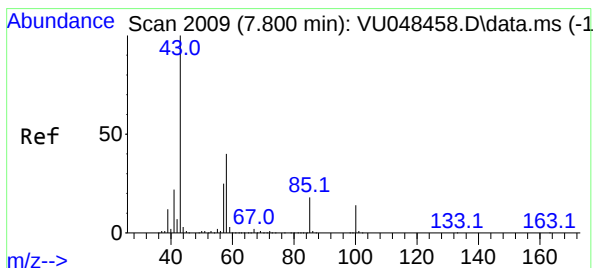
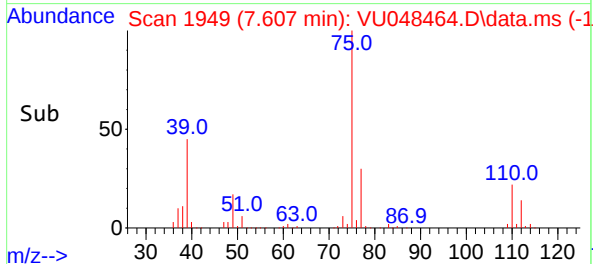
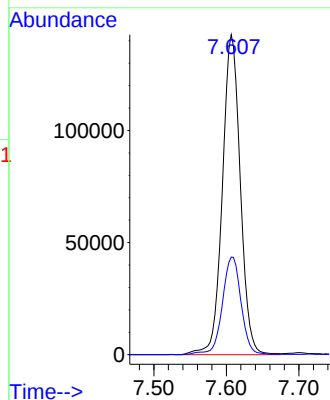
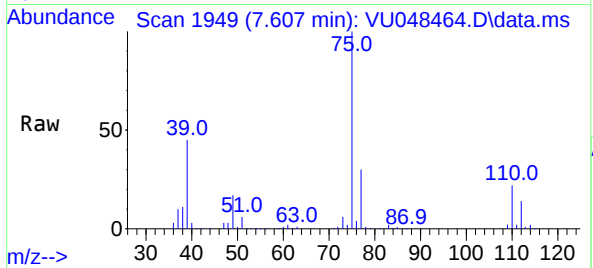




#39
cis-1,3-Dichloropropene
Concen: 45.496 ug/L
RT: 7.607 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

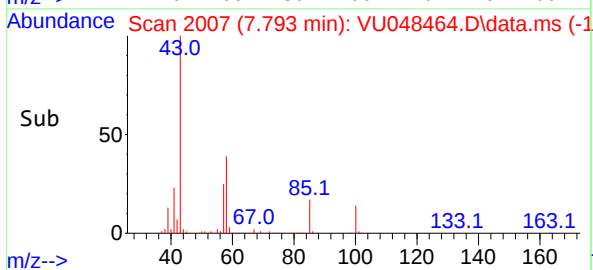
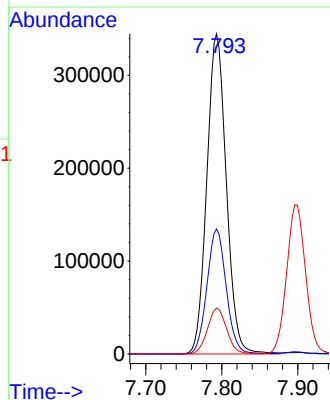
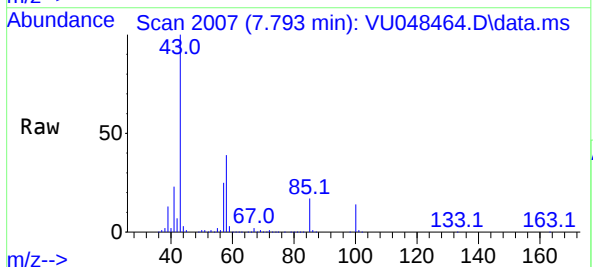
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

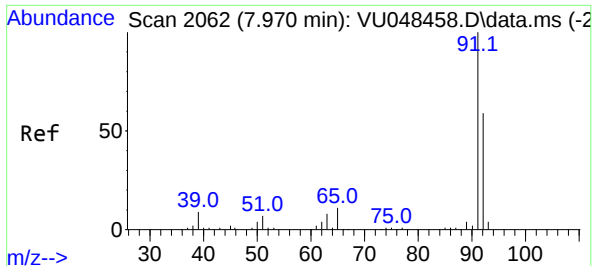
Tgt Ion: 75 Resp: 245359
Ion Ratio Lower Upper
75 100
77 30.5 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 100.872 ug/L
RT: 7.793 min Scan# 2007
Delta R.T. -0.007 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 43 Resp: 612801
Ion Ratio Lower Upper
43 100
58 38.6 31.0 46.4
100 14.1 11.2 16.8





#42

Toluene

Concen: 45.608 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048464.D

Acq: 06 May 2022 18:53

Instrument :

MSVOA_U

ClientSampleId :

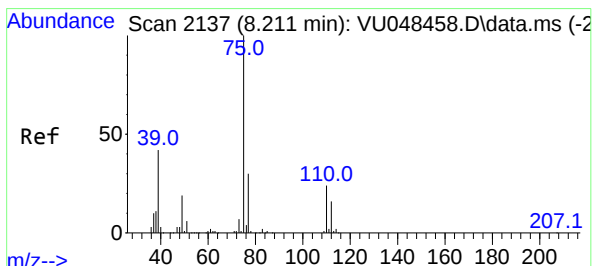
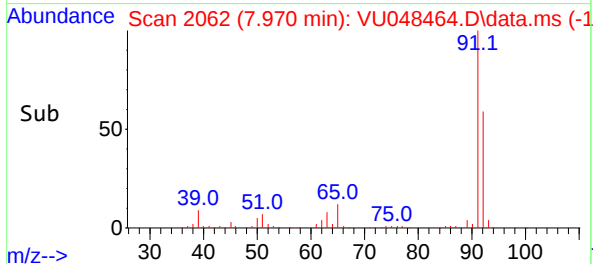
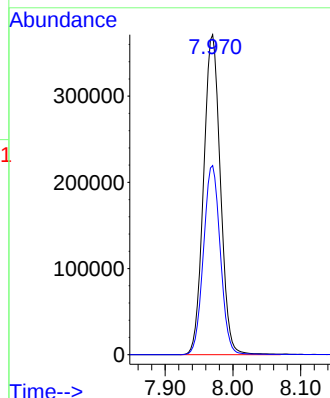
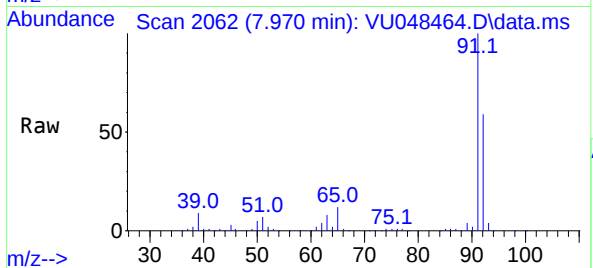
EXL04MEMSD

Tgt Ion: 91 Resp: 639447

Ion Ratio Lower Upper

91 100

92 59.1 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 46.186 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048464.D

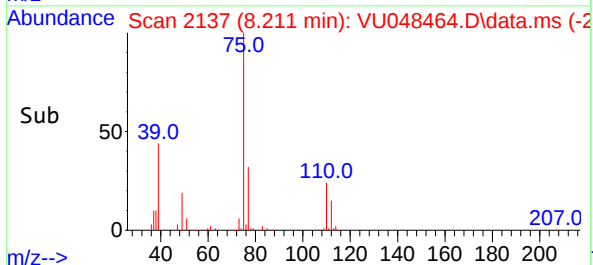
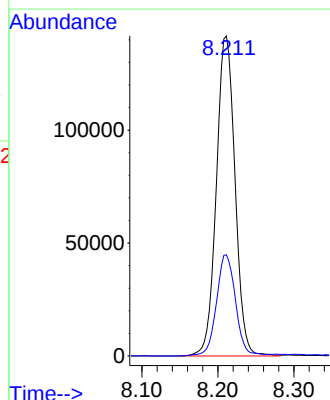
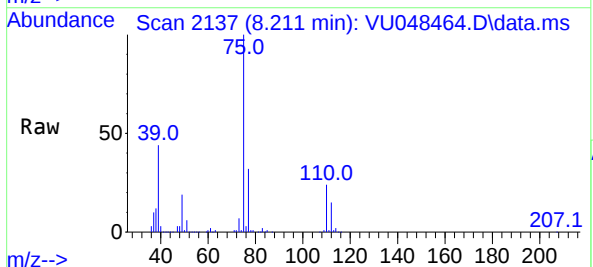
Acq: 06 May 2022 18:53

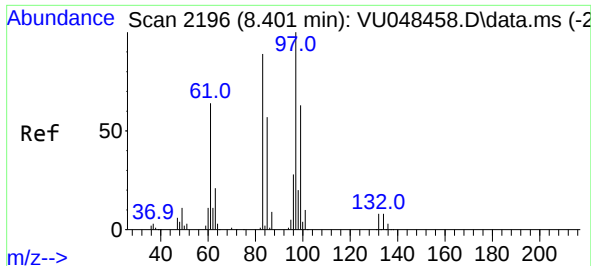
Tgt Ion: 75 Resp: 242053

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0



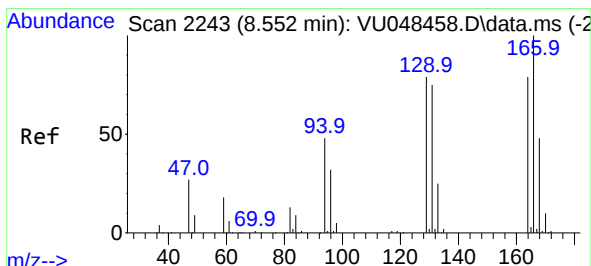
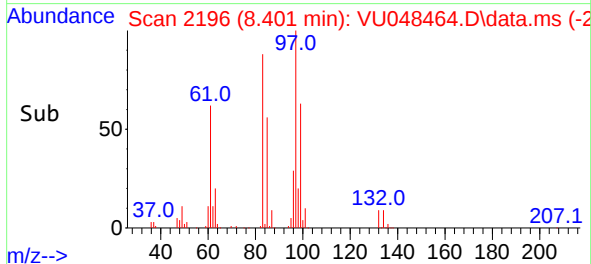
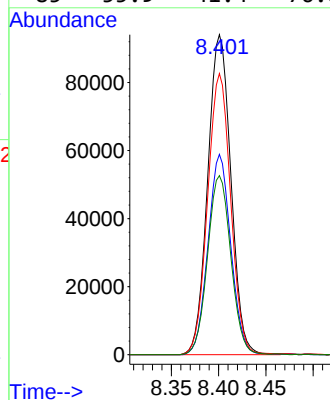
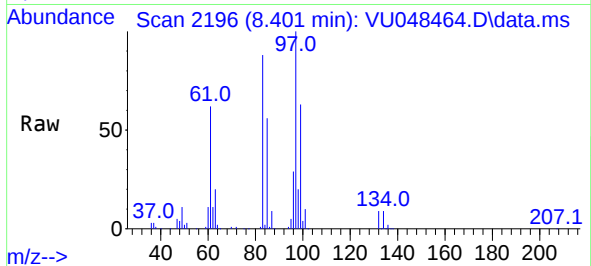


#45
1,1,2-Trichloroethane
Concen: 46.810 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

Tgt Ion: 97 Resp: 160502

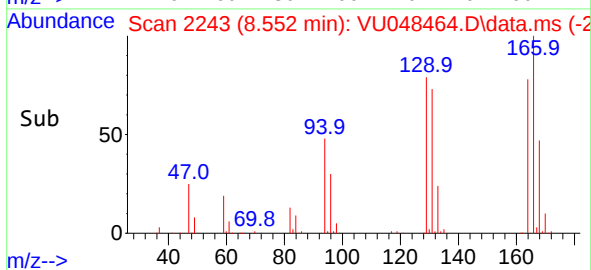
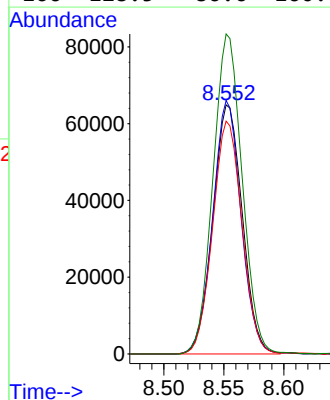
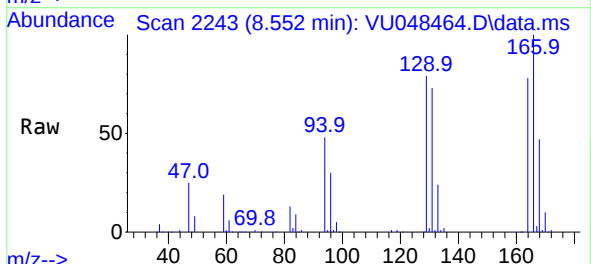
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.5	80.9
83	87.8	60.5	112.5
85	55.9	41.4	76.8

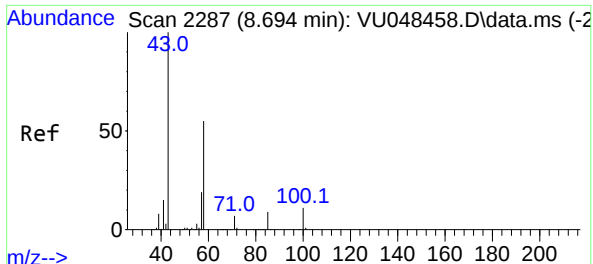


#46
Tetrachloroethene
Concen: 43.963 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 164 Resp: 110284

Ion	Ratio	Lower	Upper
164	100		
129	101.8	69.2	128.6
131	93.5	65.2	121.0
166	128.5	86.6	160.8



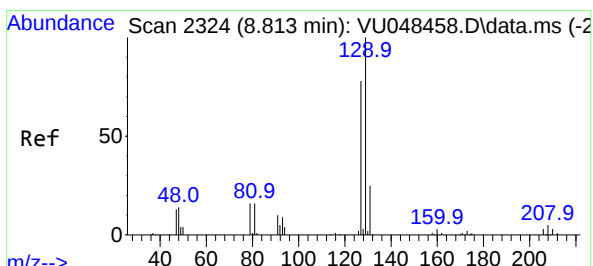
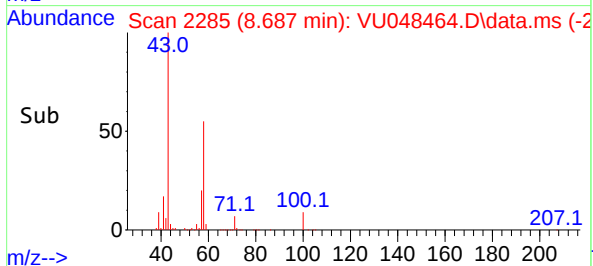
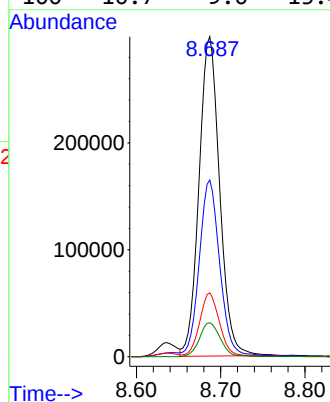
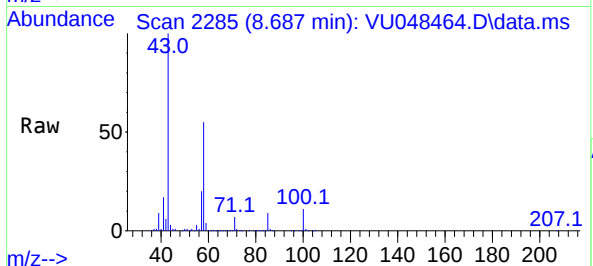


#48
2-Hexanone
Concen: 101.061 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

Tgt Ion: 43 Resp: 510229

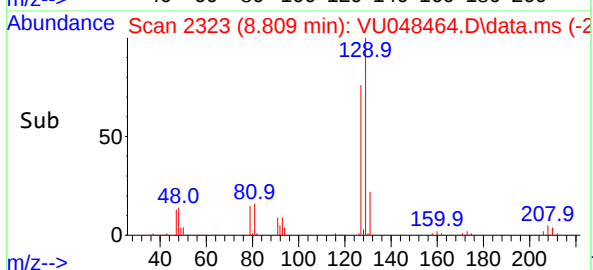
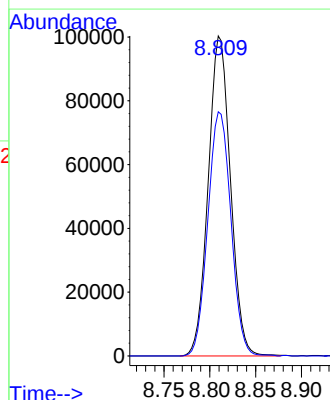
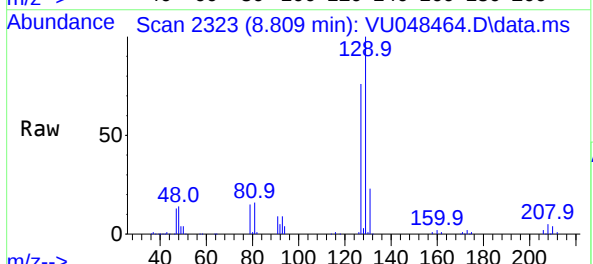
Ion	Ratio	Lower	Upper
43	100		
58	54.5	44.3	66.5
57	19.4	15.7	23.5
100	10.7	9.0	13.4

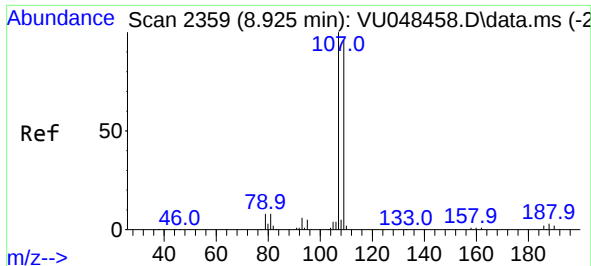


#49
Dibromochloromethane
Concen: 46.019 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 129 Resp: 169453

Ion	Ratio	Lower	Upper
129	100		
127	76.3	55.2	102.4

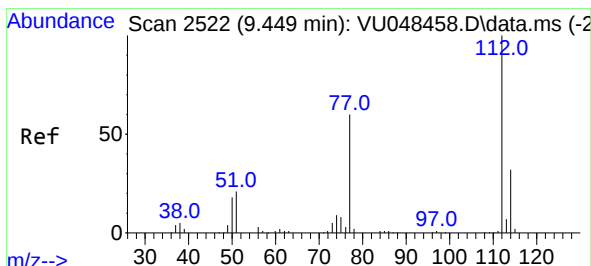
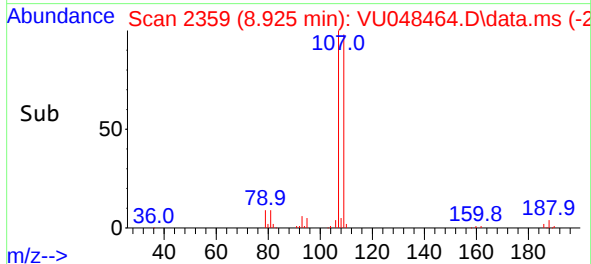
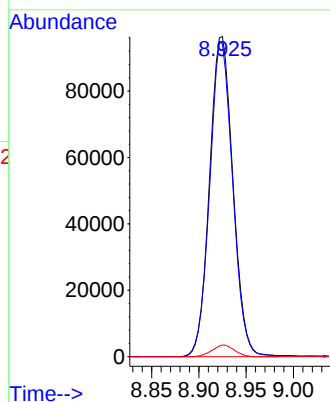
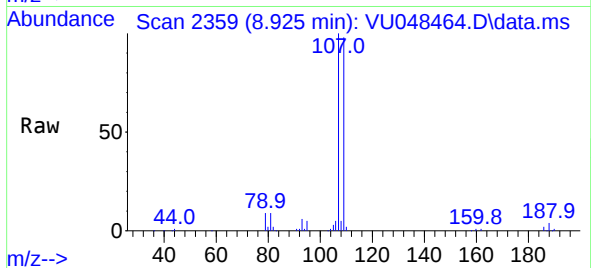




#50
1,2-Dibromoethane
Concen: 45.803 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

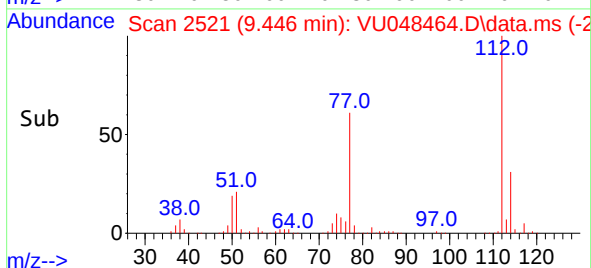
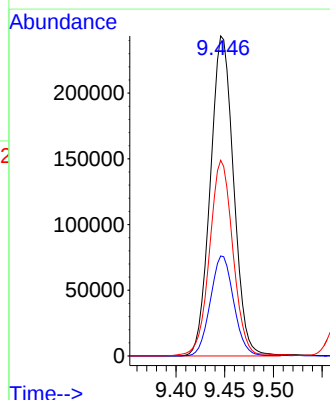
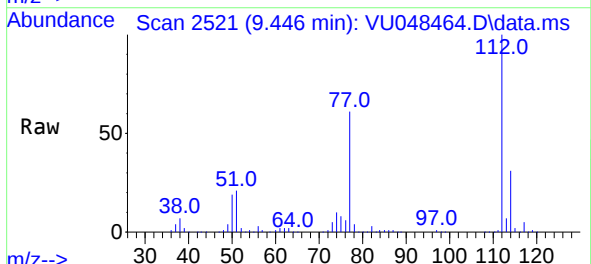
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

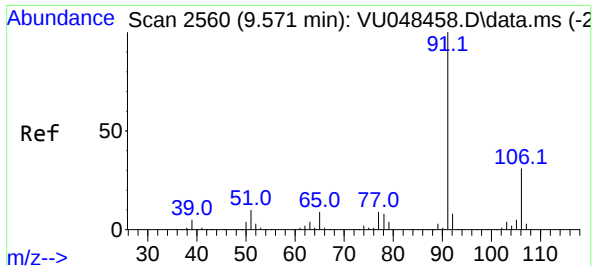
Tgt Ion:107 Resp: 166012
Ion Ratio Lower Upper
107 100
109 97.7 65.7 122.1
188 3.7 2.9 4.3



#51
Chlorobenzene
Concen: 45.862 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion:112 Resp: 405150
Ion Ratio Lower Upper
112 100
114 31.2 23.0 42.6
77 61.2 48.4 72.6

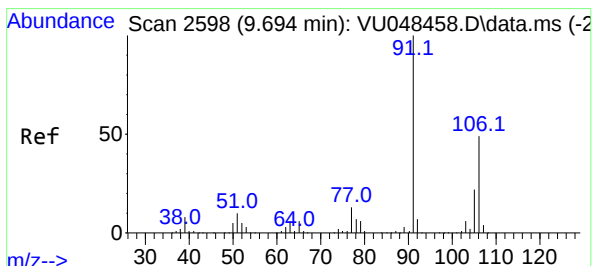
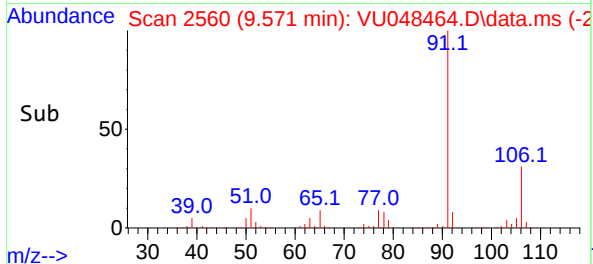
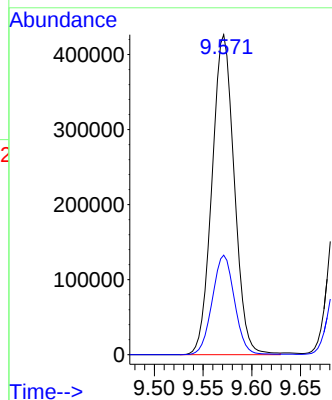
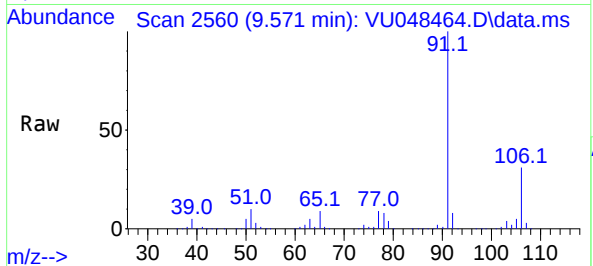




#52
Ethylbenzene
Concen: 46.428 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

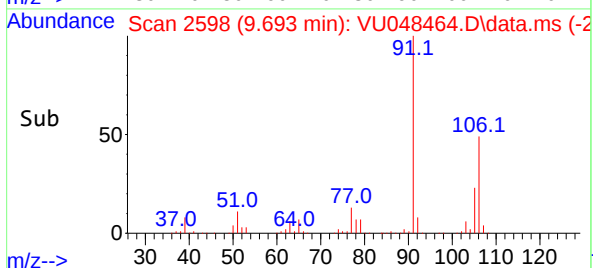
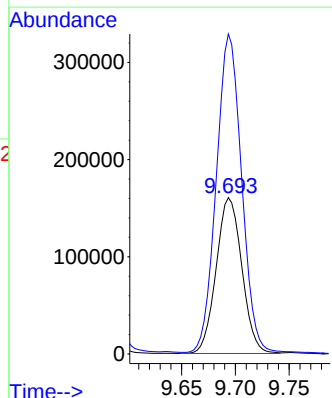
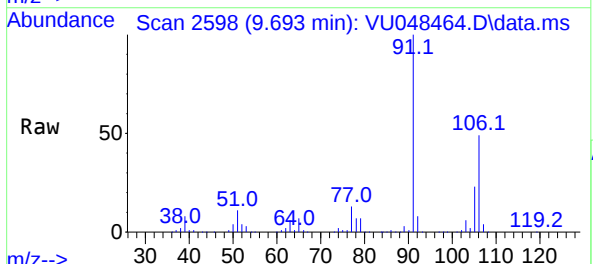
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

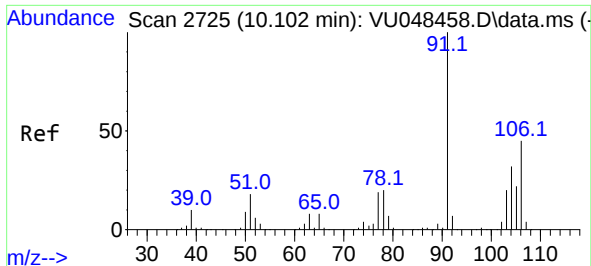
Tgt Ion: 91 Resp: 678099
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3



#53
m,p-Xylene
Concen: 47.244 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 106 Resp: 266340
Ion Ratio Lower Upper
106 100
91 204.7 144.1 267.7

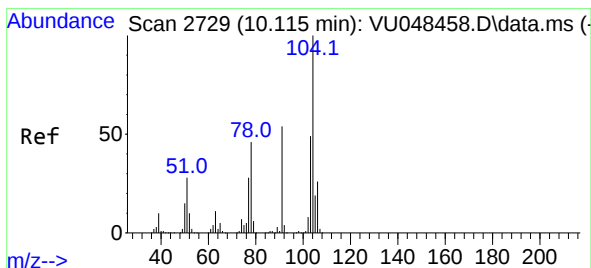
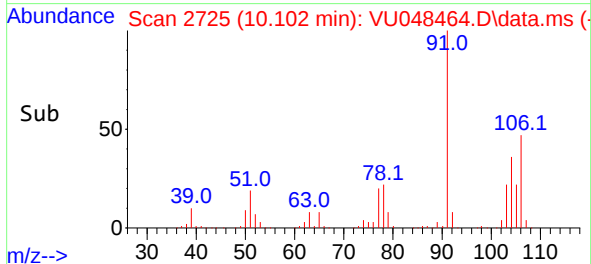
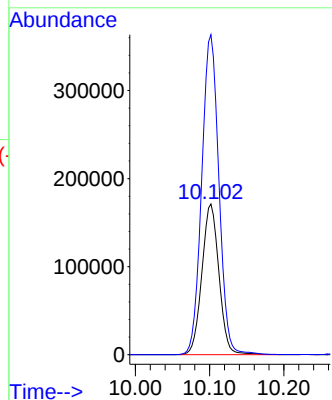
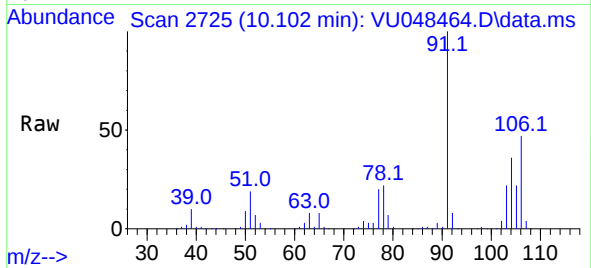




#54
o-Xylene
Concen: 48.080 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

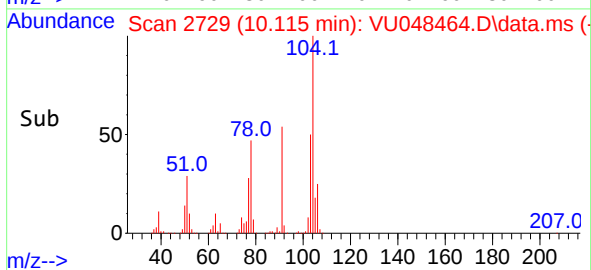
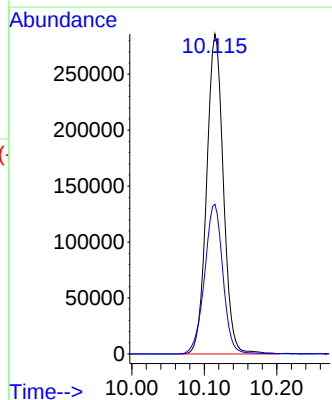
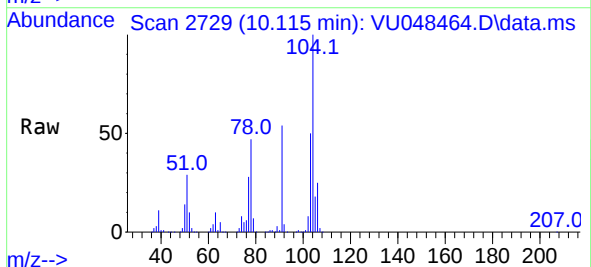
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

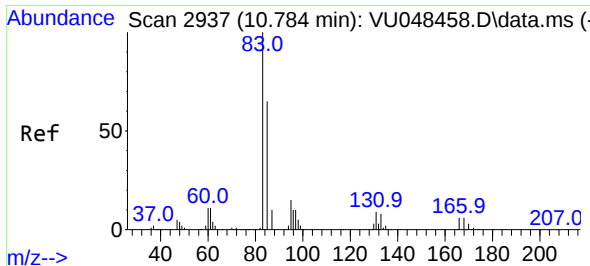
Tgt Ion:106 Resp: 272702
Ion Ratio Lower Upper
106 100
91 212.4 148.8 276.4



#55
Styrene
Concen: 49.676 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion:104 Resp: 458102
Ion Ratio Lower Upper
104 100
78 46.8 33.4 62.0

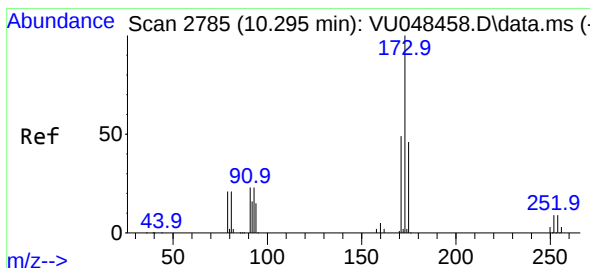
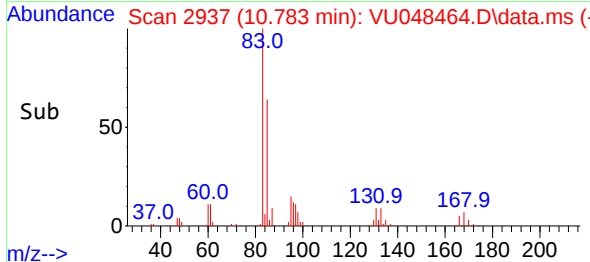
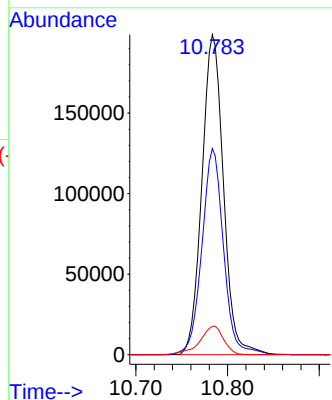
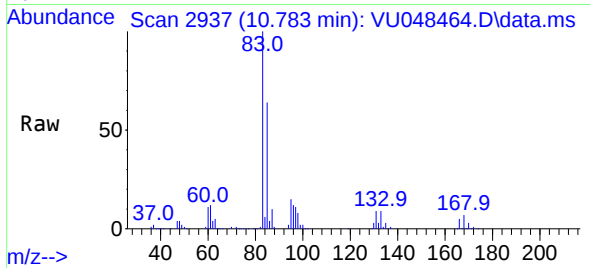




#57
1,1,2,2-Tetrachloroethane
Concen: 50.408 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

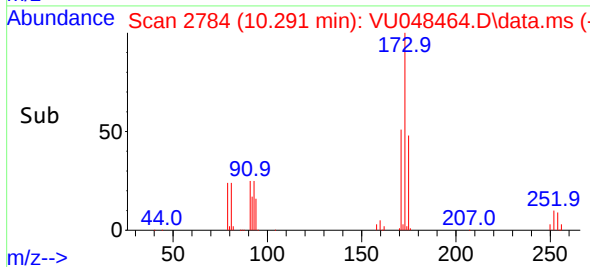
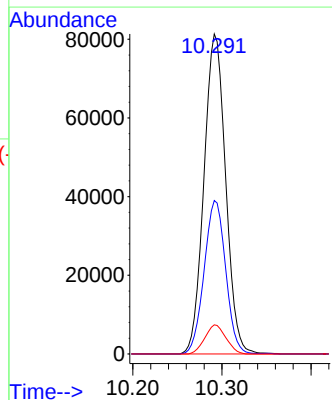
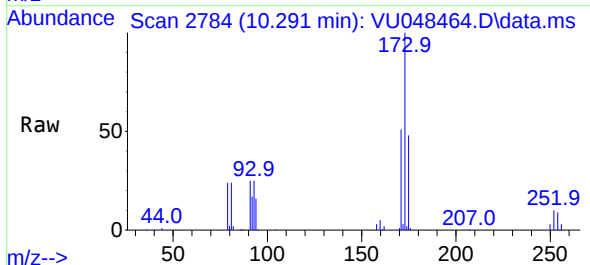
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

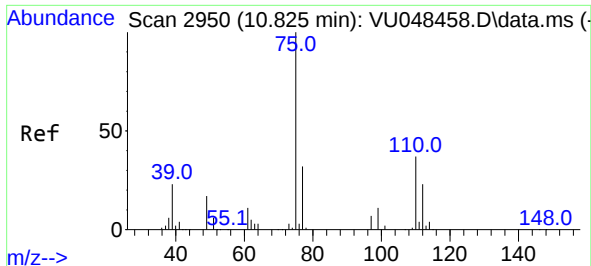
Tgt Ion: 83 Resp: 323945
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.4
131 8.9 7.4 11.0



#59
Bromoform
Concen: 55.217 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 173 Resp: 137474
Ion Ratio Lower Upper
173 100
175 47.5 39.1 58.7
254 8.8 7.3 10.9

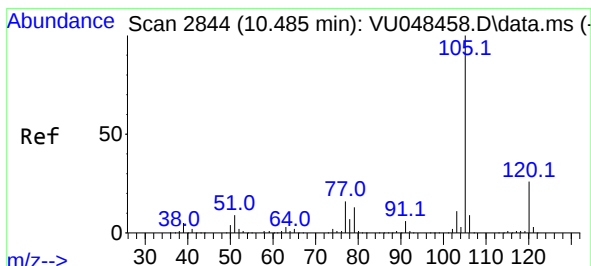
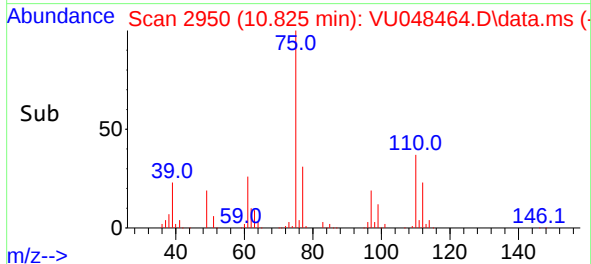
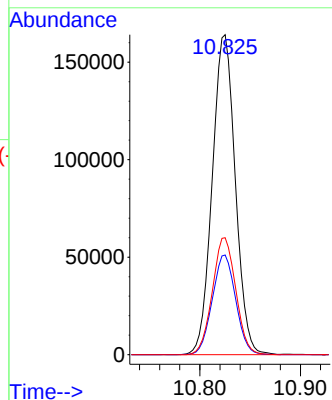
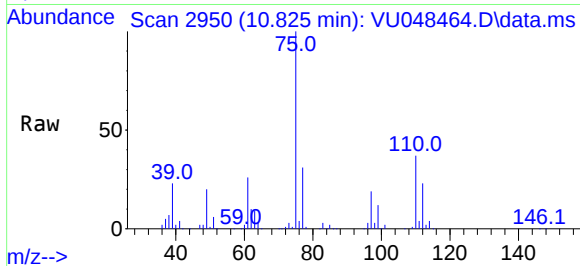




#60
1,2,3-Trichloropropane
Concen: 57.095 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

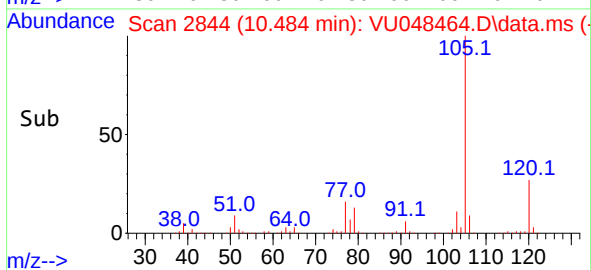
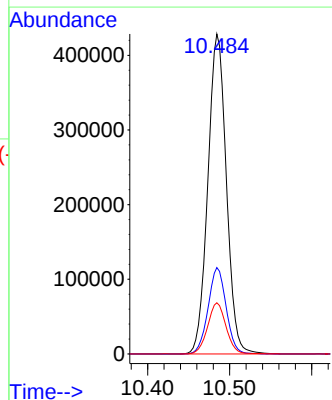
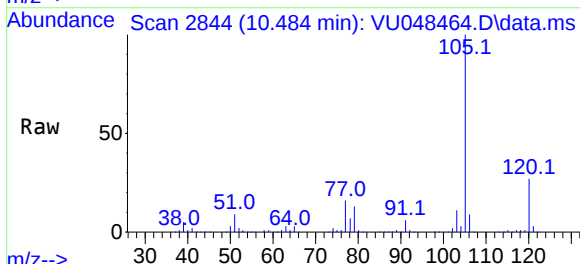
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

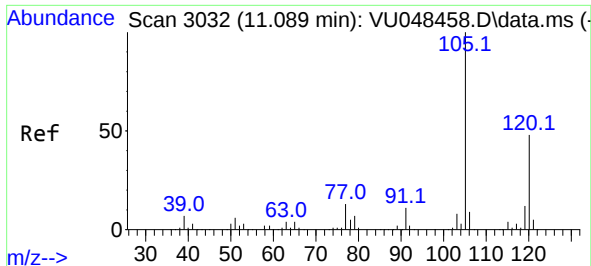
Tgt Ion: 75 Resp: 261638
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3
110 37.1 28.9 43.3



#61
Isopropylbenzene
Concen: 54.557 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion: 105 Resp: 671127
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.4
77 15.9 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 46.457 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048464.D

Acq: 06 May 2022 18:53

Instrument :

MSVOA_U

ClientSampleId :

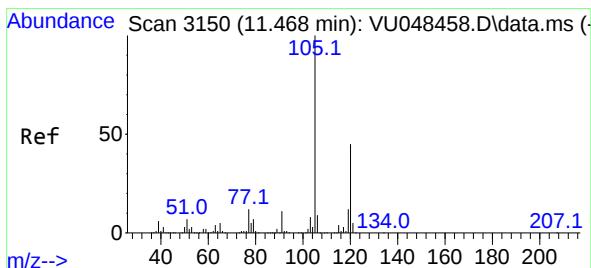
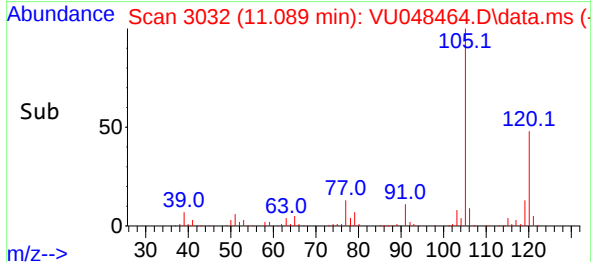
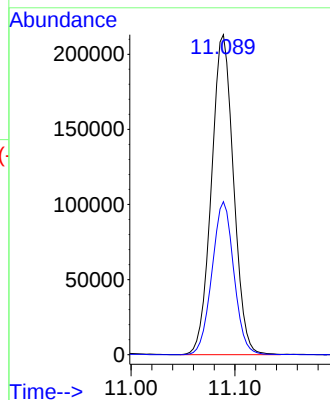
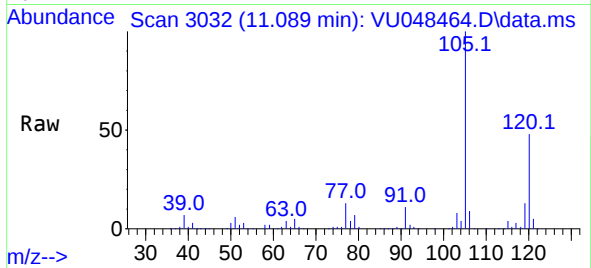
EXL04MEMSD

Tgt Ion:105 Resp: 315028

Ion Ratio Lower Upper

105 100

120 47.3 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 48.489 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048464.D

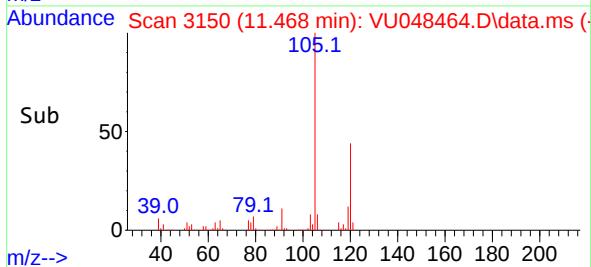
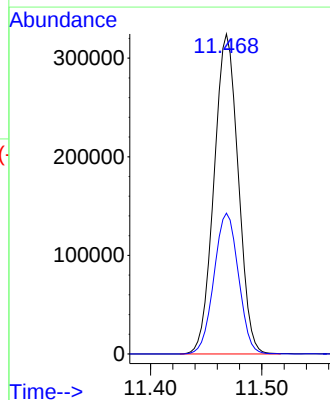
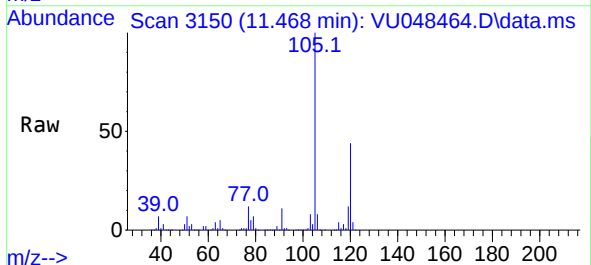
Acq: 06 May 2022 18:53

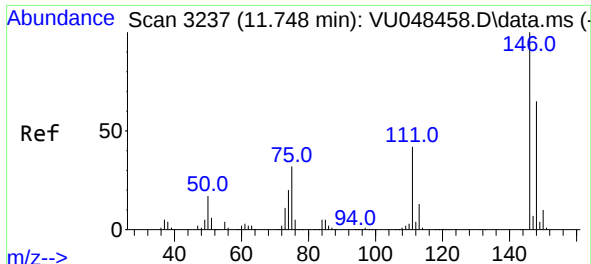
Tgt Ion:105 Resp: 489686

Ion Ratio Lower Upper

105 100

120 44.5 35.4 53.2

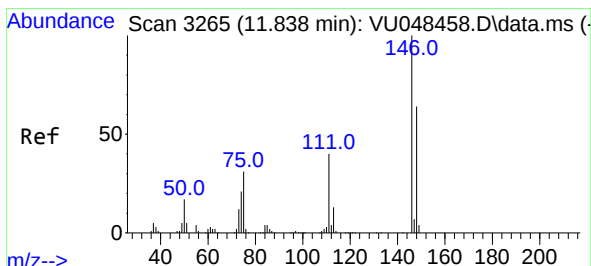
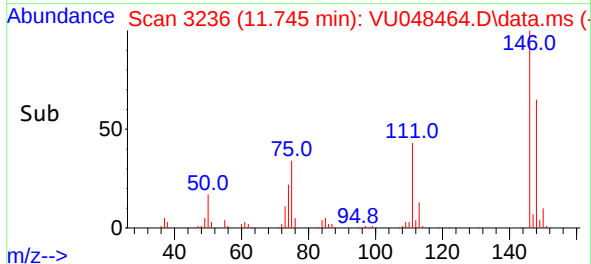
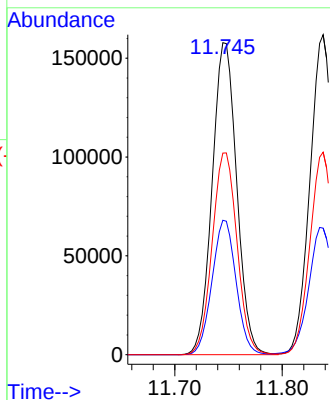
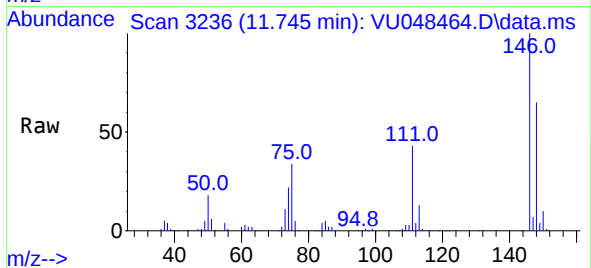




#64
1,3-Dichlorobenzene
Concen: 43.219 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

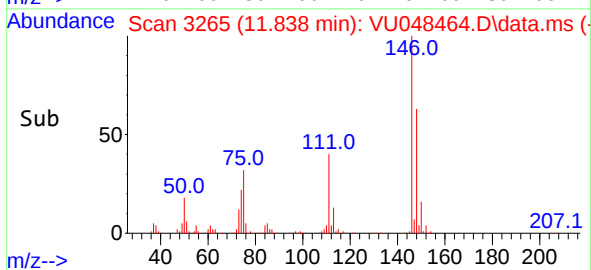
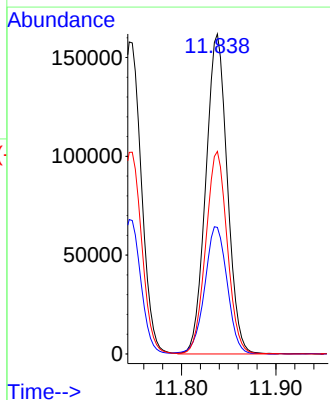
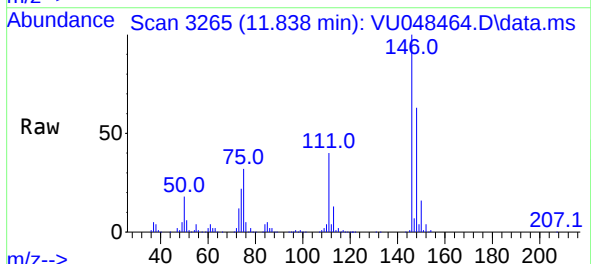
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

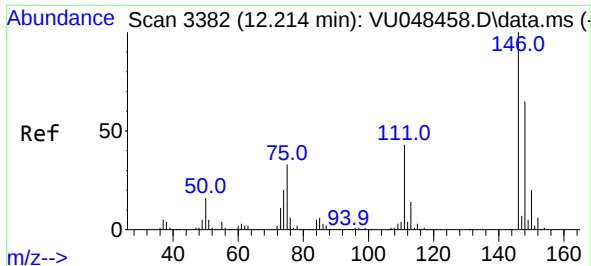
Tgt Ion:146 Resp: 250742
Ion Ratio Lower Upper
146 100
111 43.1 28.3 52.7
148 64.6 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 43.996 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion:146 Resp: 255913
Ion Ratio Lower Upper
146 100
111 39.6 28.4 52.8
148 63.3 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 45.712 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.003 min

Lab File: VU048464.D

Acq: 06 May 2022 18:53

Instrument :

MSVOA_U

ClientSampleId :

EXL04MEMSD

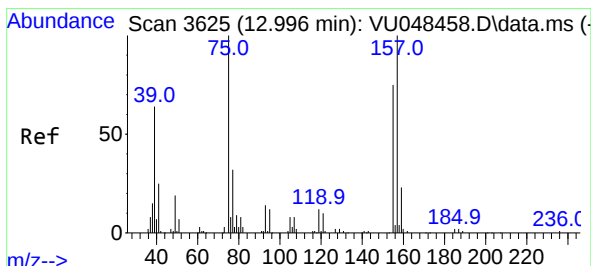
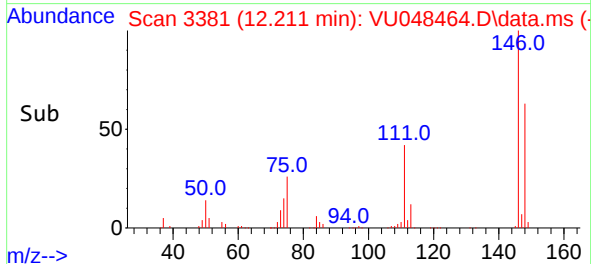
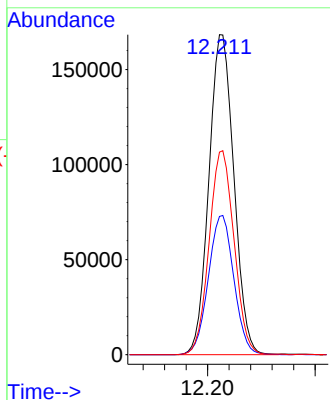
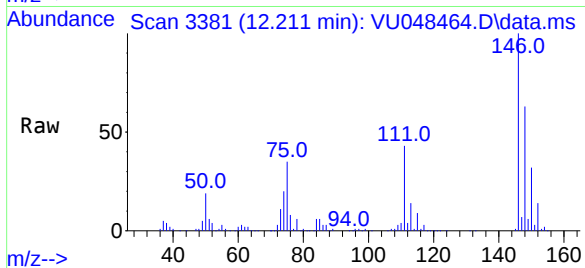
Tgt Ion:146 Resp: 271399

Ion Ratio Lower Upper

146 100

111 43.2 34.9 52.3

148 63.3 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 42.525 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU048464.D

Acq: 06 May 2022 18:53

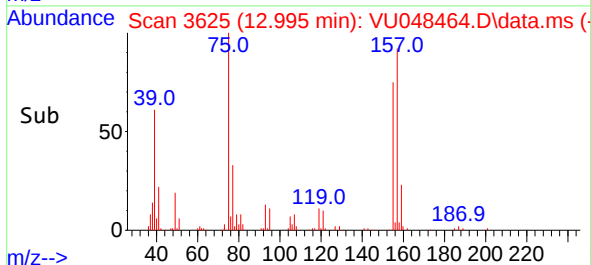
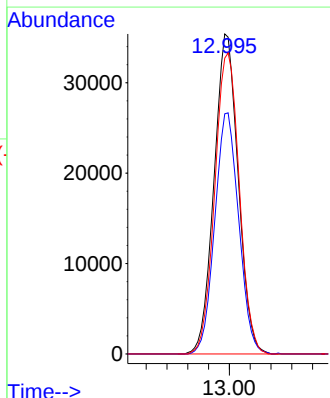
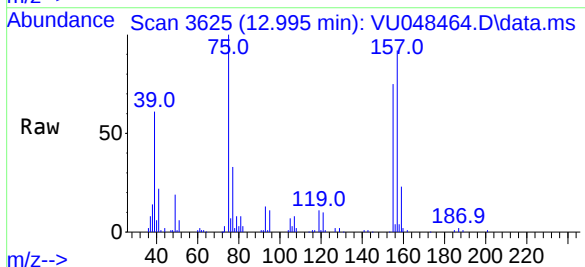
Tgt Ion: 75 Resp: 57116

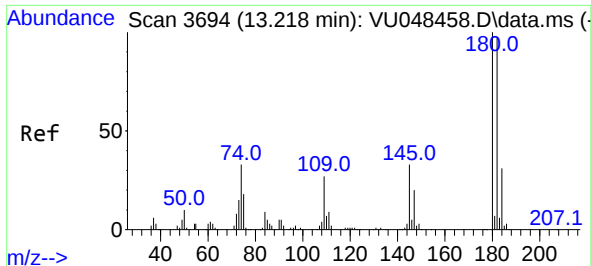
Ion Ratio Lower Upper

75 100

155 75.0 63.4 95.0

157 92.5 82.2 123.2

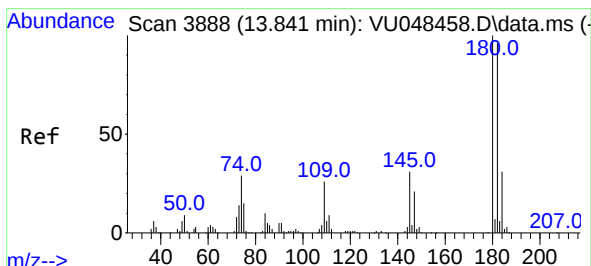
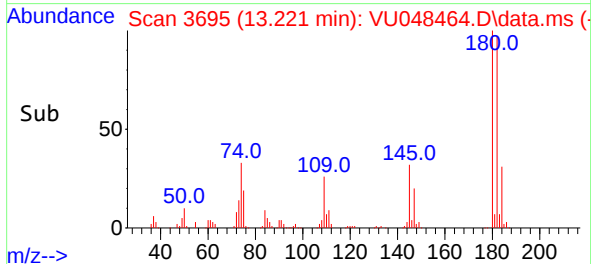
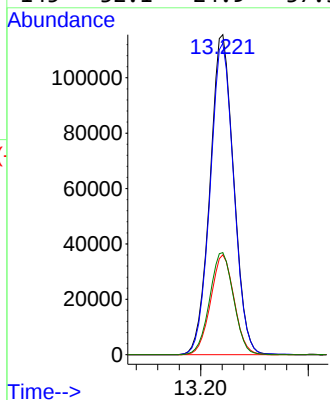
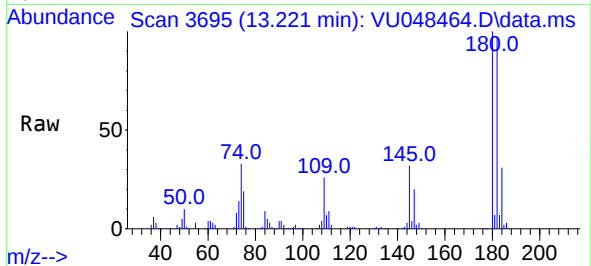




#69
1,3,5-Trichlorobenzene
Concen: 43.095 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

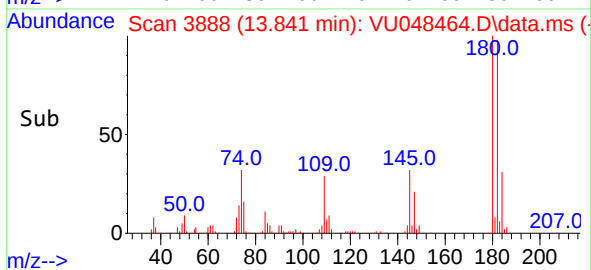
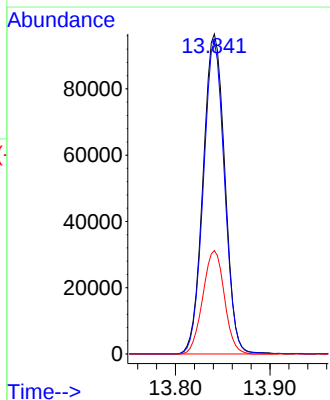
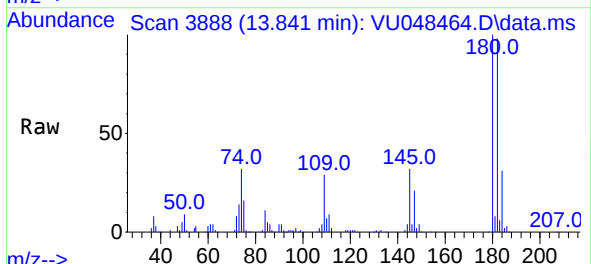
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

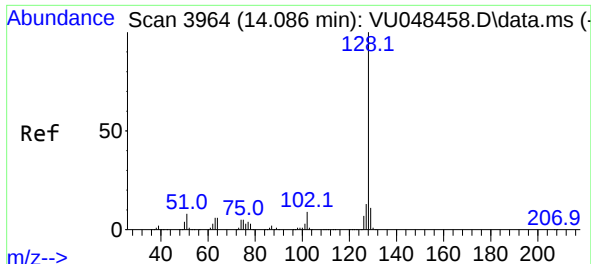
Tgt Ion:180 Resp: 176780
Ion Ratio Lower Upper
180 100
182 96.8 75.7 113.5
184 30.8 23.8 35.8
145 32.1 24.9 37.3



#70
1,2,4-trichlorobenzene
Concen: 43.372 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion:180 Resp: 154508
Ion Ratio Lower Upper
180 100
182 95.0 77.1 115.7
145 32.0 24.9 37.3



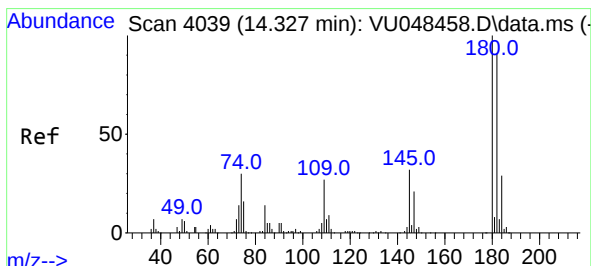
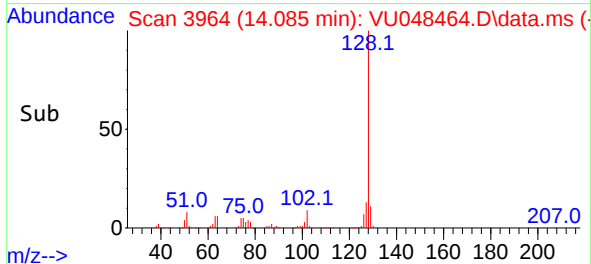
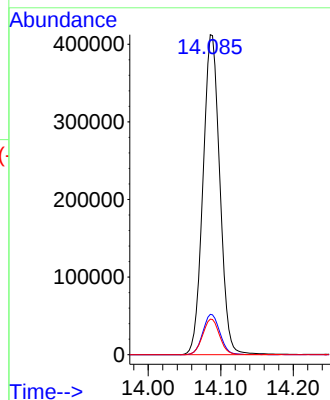
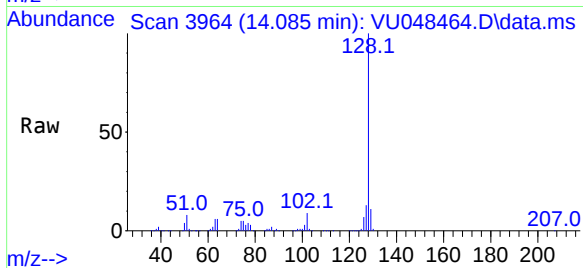


#71
Naphthalene
Concen: 48.438 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMSD

Tgt Ion:128 Resp: 664513

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	11.2	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 50.520 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU048464.D
Acq: 06 May 2022 18:53

Tgt Ion:180 Resp: 191413

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.4	113.2
145	33.3	26.4	39.6

