

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050522\
 Data File : VU048447.D
 Acq On : 05 May 2022 19:09
 Operator : SY/MD
 Sample : N2710-06MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXL87MSD

Quant Time: May 06 05:41:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 06 05:30:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	337078	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	344909	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	200490	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	133668	43.123	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.240%
7) Chloroethane-d5	1.890	69	102002	46.881	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.760%
11) 1,1-Dichloroethene-d2	2.562	63	210398	42.363	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.720%
21) 2-Butanone-d5	4.620	46	244054	92.314	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.310%
24) Chloroform-d	5.064	84	257603	45.818	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.640%
26) 1,2-Dichloroethane-d4	5.700	65	149659	44.864	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.720%
32) Benzene-d6	5.726	84	541319	49.763	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.520%
36) 1,2-Dichloropropane-d6	6.690	67	177540	49.368	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.740%
41) Toluene-d8	7.896	98	496811	50.385	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.780%
43) trans-1,3-Dichloroprop...	8.179	79	76855	48.432	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.860%
47) 2-Hexanone-d5	8.636	63	192026	98.968	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.970%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	307961	48.827	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.660%
66) 1,2-Dichlorobenzene-d4	12.195	152	224831	49.851	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	92029	36.132	ug/L	100
3) Chloromethane	1.520	50	107567	36.898	ug/L	98
5) Vinyl chloride	1.604	62	115740	39.397	ug/L	94
6) Bromomethane	1.829	94	49172	36.419	ug/L	98
8) Chloroethane	1.913	64	71944	43.310	ug/L	96
9) Trichlorofluoromethane	2.125	101	162210	42.368	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	112216	44.193	ug/L	98
12) 1,1-Dichloroethene	2.575	96	96879	43.708	ug/L	97
13) Acetone	2.626	43	133819	78.846	ug/L	95
14) Carbon disulfide	2.790	76	181385	33.577	ug/L	100
15) Methyl Acetate	2.948	43	147966	43.918	ug/L	98
16) Methylene chloride	3.044	84	134522	47.076	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	103507	44.952	ug/L	95
18) Methyl tert-butyl Ether	3.363	73	397704	52.348	ug/L	99
19) 1,1-Dichloroethane	3.867	63	223745	46.468	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	140583	50.651	ug/L	91
22) 2-Butanone	4.700	43	238932	95.202	ug/L	98
23) Bromochloromethane	4.973	128	77078	49.741	ug/L	95
25) Chloroform	5.086	83	239159	48.641	ug/L	98

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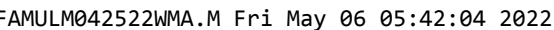
Instrument :
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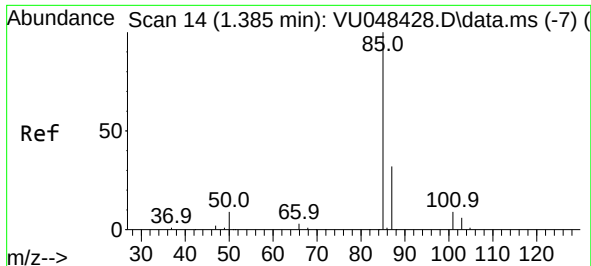
Quant Time: May 06 05:41:55 2022
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	162294	45.253	ug/L	97
29) Cyclohexane	5.388	56	146705	45.018	ug/L	98
30) 1,1,1-Trichloroethane	5.318	97	192575	49.373	ug/L	98
31) Carbon tetrachloride	5.523	117	161975	48.724	ug/L	100
33) Benzene	5.774	78	502726	49.230	ug/L	100
34) Trichloroethene	6.543	95	121970	48.729	ug/L	97
35) Methylcyclohexane	6.761	83	158249	45.032	ug/L	97
37) 1,2-Dichloropropane	6.790	63	148320	51.049	ug/L	98
38) Bromodichloromethane	7.105	83	180072	49.077	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	204603	50.080	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	473841	108.130	ug/L	98
42) Toluene	7.970	91	542885	50.636	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	199305	49.936	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	156697	51.405	ug/L	98
46) Tetrachloroethene	8.552	164	104309	48.557	ug/L	98
48) 2-Hexanone	8.687	43	394469	107.796	ug/L	98
49) Dibromochloromethane	8.809	129	170955	51.037	ug/L	99
50) 1,2-Dibromoethane	8.922	107	157320	50.892	ug/L	98
51) Chlorobenzene	9.446	112	390666	50.552	ug/L	98
52) Ethylbenzene	9.571	91	571087	51.434	ug/L	98
53) m,p-Xylene	9.694	106	237250	54.147	ug/L	95
54) o-Xylene	10.102	106	249505	56.525	ug/L	96
55) Styrene	10.115	104	426468	56.713	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.784	83	317308	52.742	ug/L	100
59) Bromoform	10.292	173	150560	51.745	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	238062	50.899	ug/L	99
61) Isopropylbenzene	10.485	105	614630	54.829	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	332129	56.213	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	517795	57.002	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	335837	53.437	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	329221	51.312	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	354375	53.526	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	61206	49.020	ug/L	87
69) 1,3,5-Trichlorobenzene	13.218	180	252974	54.170	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	215786	58.488	ug/L	99
71) Naphthalene	14.086	128	736081	69.715	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	232393	61.463	ug/L	99

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

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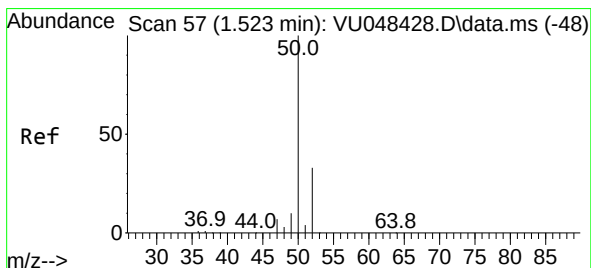
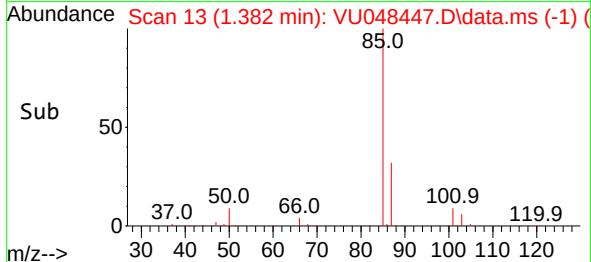
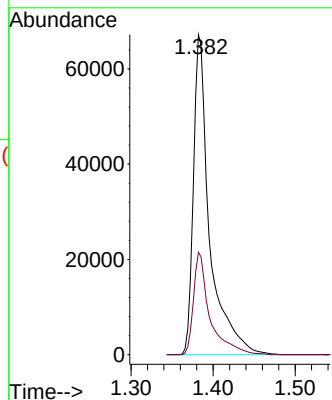
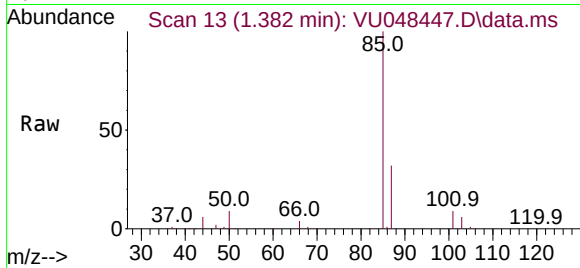




#2
Dichlorodifluoromethane
Concen: 36.132 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

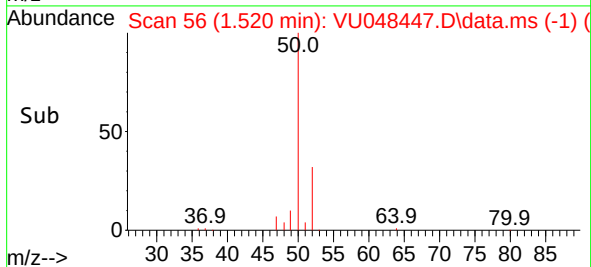
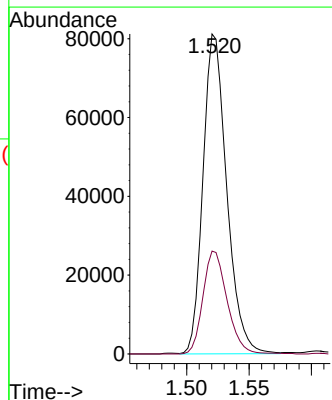
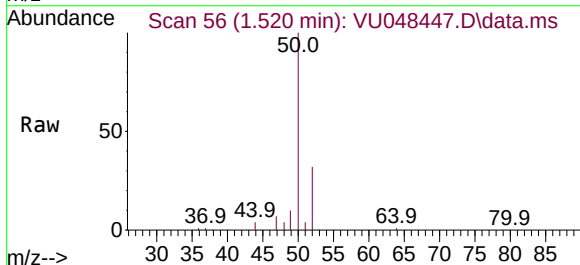
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

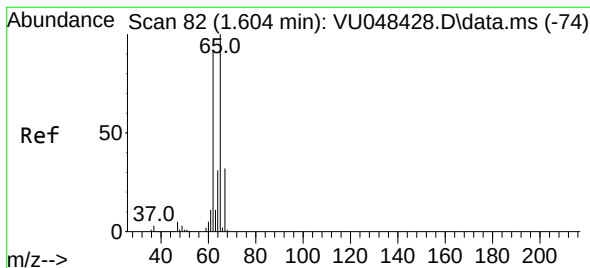
Tgt Ion: 85 Resp: 92029
Ion Ratio Lower Upper
85 100
87 32.3 26.1 39.1



#3
Chloromethane
Concen: 36.898 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion: 50 Resp: 107567
Ion Ratio Lower Upper
50 100
52 32.2 23.2 43.2





#5

Vinyl chloride

Concen: 39.397 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

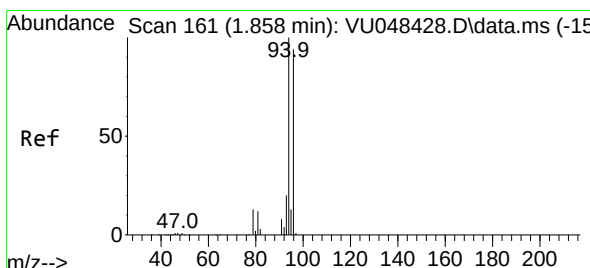
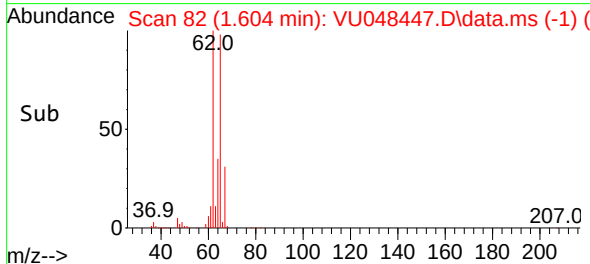
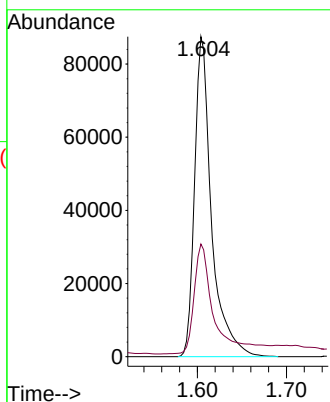
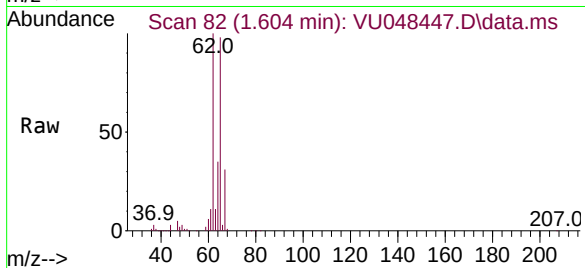
EXL87MSD

Tgt Ion: 62 Resp: 115740

Ion Ratio Lower Upper

62 100

64 35.2 22.5 41.7



#6

Bromomethane

Concen: 36.419 ug/L

RT: 1.829 min Scan# 152

Delta R.T. -0.029 min

Lab File: VU048447.D

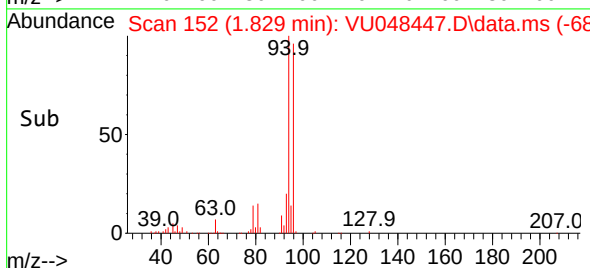
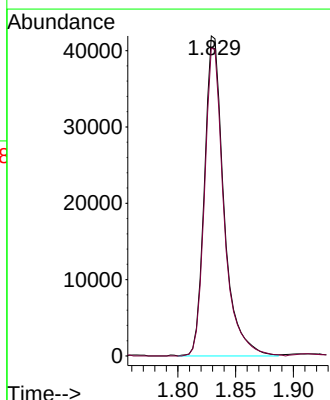
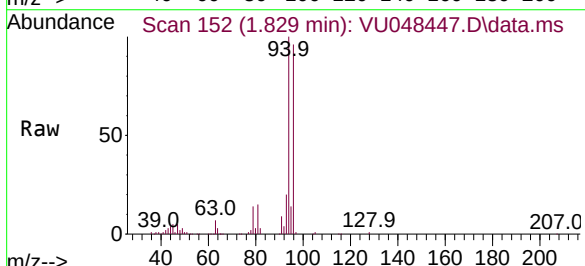
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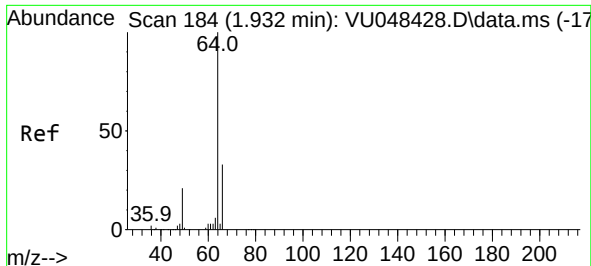
Tgt Ion: 94 Resp: 49172

Ion Ratio Lower Upper

94 100

96 96.2 65.8 122.2

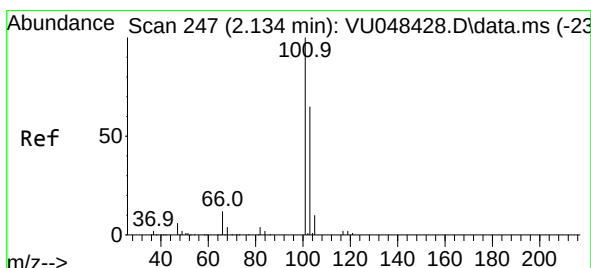
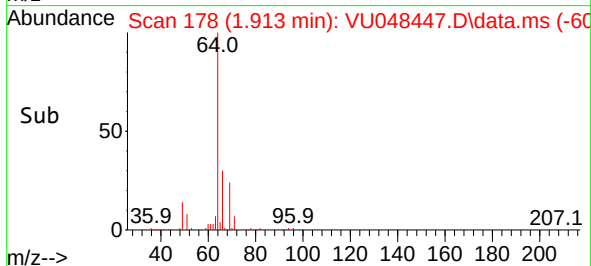
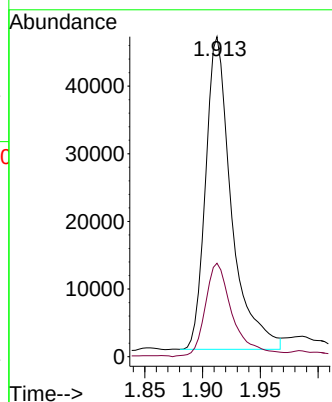
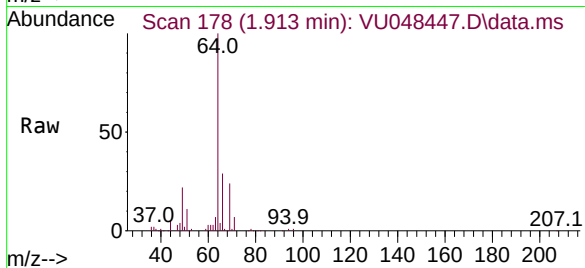




#8
Chloroethane
Concen: 43.310 ug/L
RT: 1.913 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

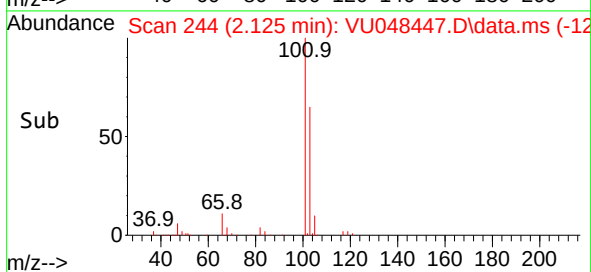
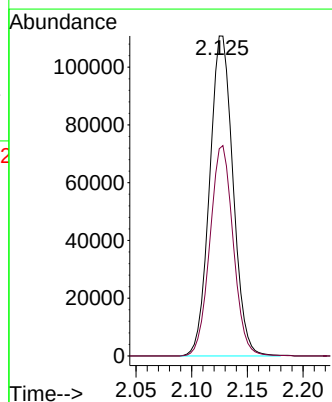
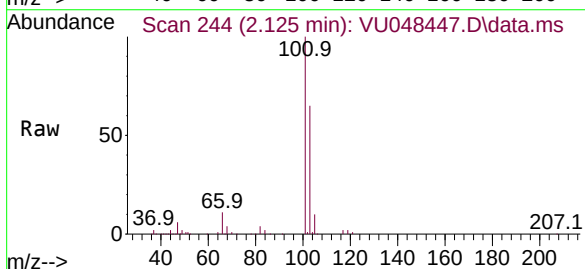
Instrument :
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EXL87MSD

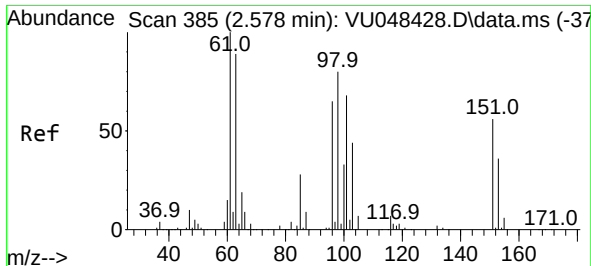
Tgt Ion: 64 Resp: 71944
Ion Ratio Lower Upper
64 100
66 29.2 21.9 40.7



#9
Trichlorofluoromethane
Concen: 42.368 ug/L
RT: 2.125 min Scan# 244
Delta R.T. -0.010 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion:101 Resp: 162210
Ion Ratio Lower Upper
101 100
103 65.4 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 44.193 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

EXL87MSD

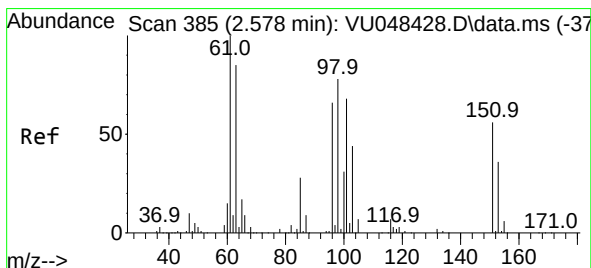
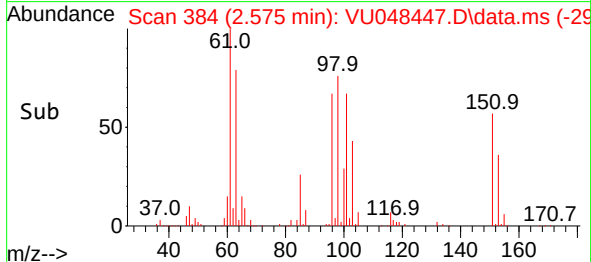
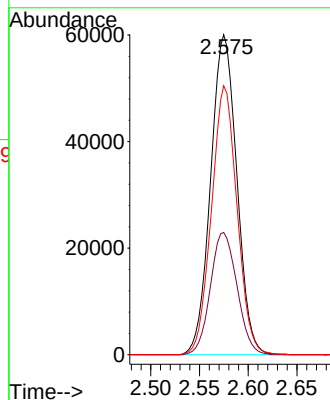
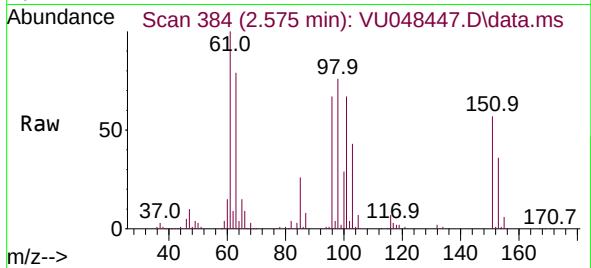
Tgt Ion:101 Resp: 112216

Ion Ratio Lower Upper

101 100

85 38.8 32.6 48.8

151 82.0 64.1 96.1



#12

1,1-Dichloroethene

Concen: 43.708 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

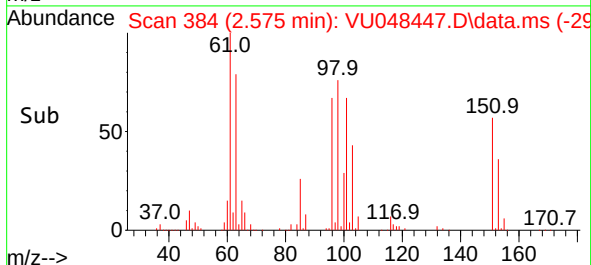
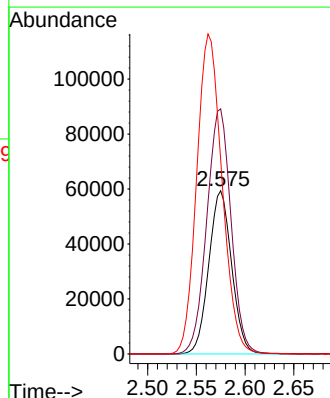
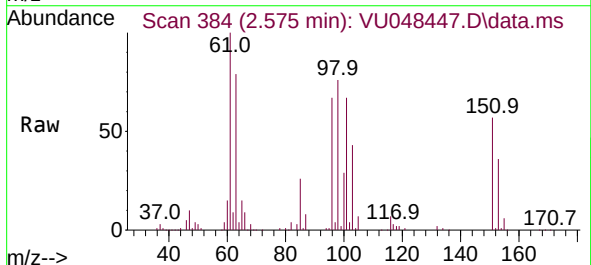
Tgt Ion: 96 Resp: 96879

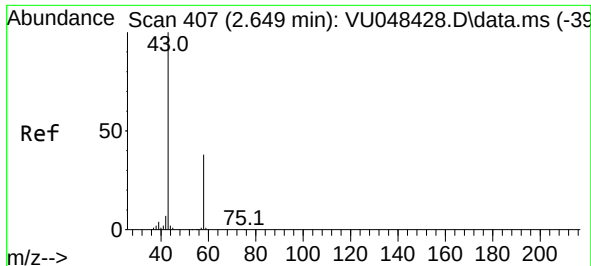
Ion Ratio Lower Upper

96 100

61 150.2 107.9 200.3

63 119.0 80.3 149.1





#13

Acetone

Concen: 78.846 ug/L

RT: 2.626 min Scan# 40

Delta R.T. -0.022 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

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ClientSampleId :

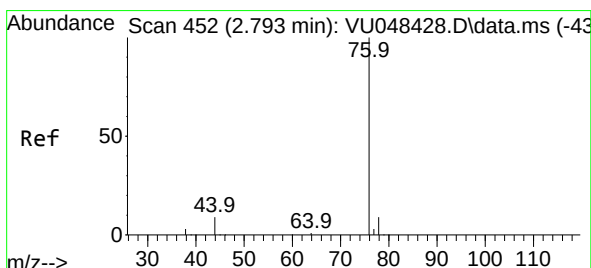
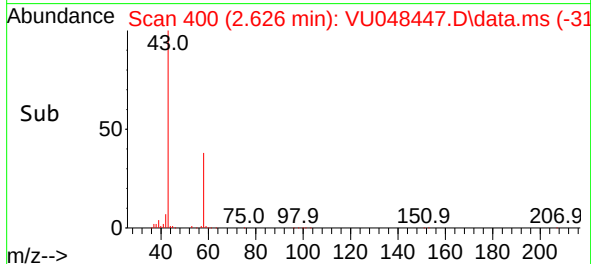
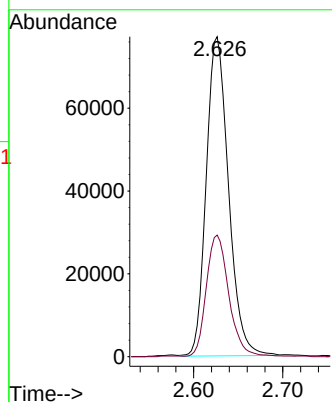
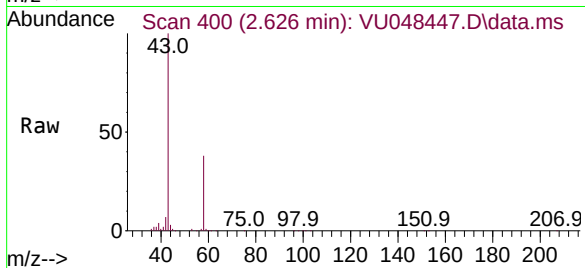
EXL87MSD

Tgt Ion: 43 Resp: 133819

Ion Ratio Lower Upper

43 100

58 38.8 0.0 71.2



#14

Carbon disulfide

Concen: 33.577 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU048447.D

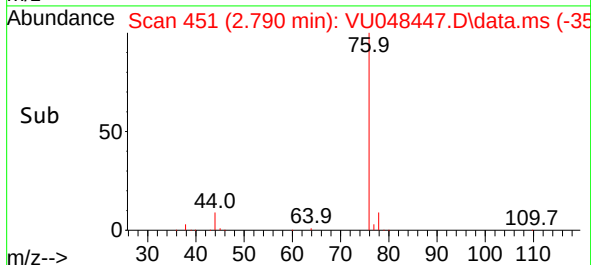
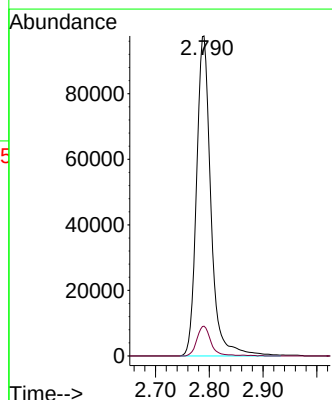
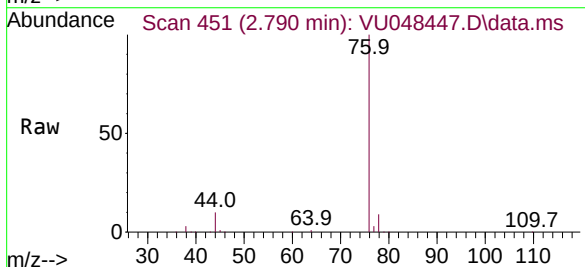
Acq: 05 May 2022 19:09

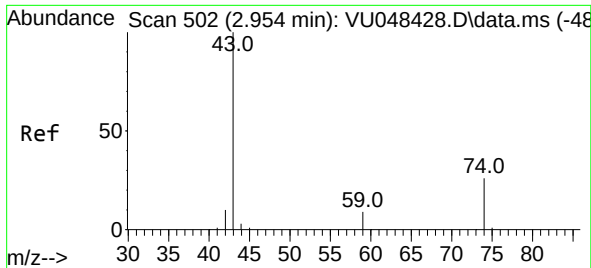
Tgt Ion: 76 Resp: 181385

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

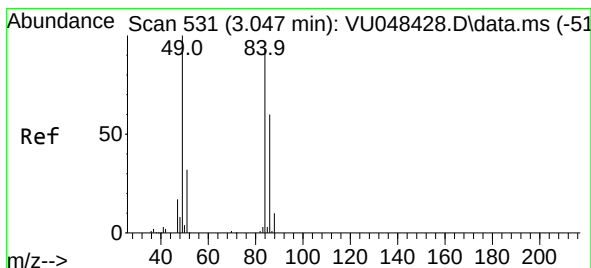
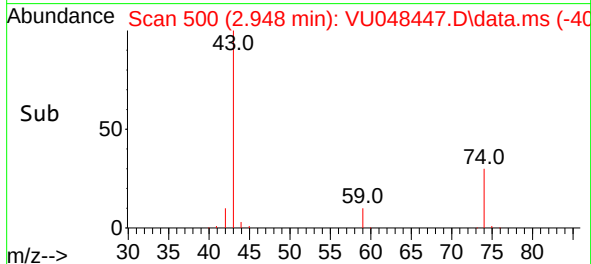
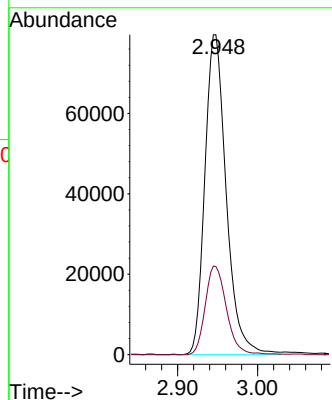
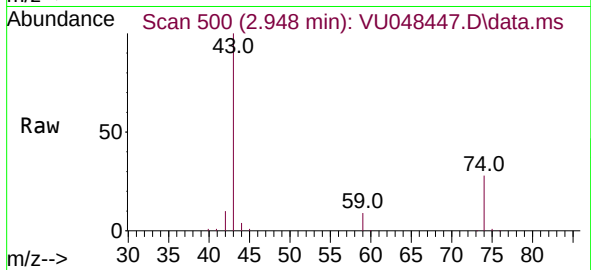




#15
Methyl Acetate
Concen: 43.918 ug/L
RT: 2.948 min Scan# 50
Delta R.T. -0.006 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

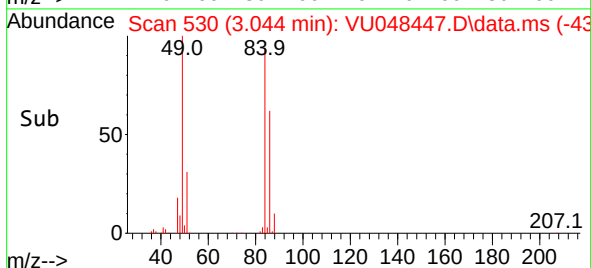
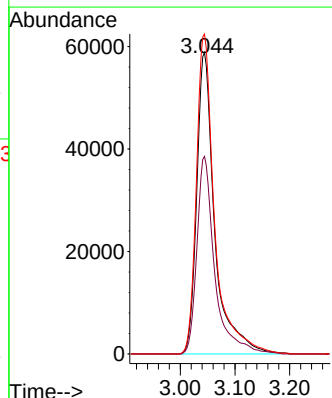
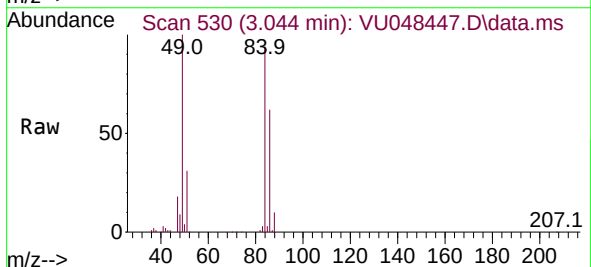
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

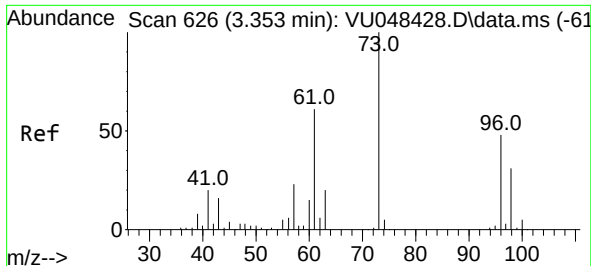
Tgt Ion: 43 Resp: 147966
Ion Ratio Lower Upper
43 100
74 27.2 21.0 31.6



#16
Methylene chloride
Concen: 47.076 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion: 84 Resp: 134522
Ion Ratio Lower Upper
84 100
86 65.5 45.4 84.2
49 106.1 79.2 147.0





#17

trans-1,2-Dichloroethene

Concen: 44.952 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

EXL87MSD

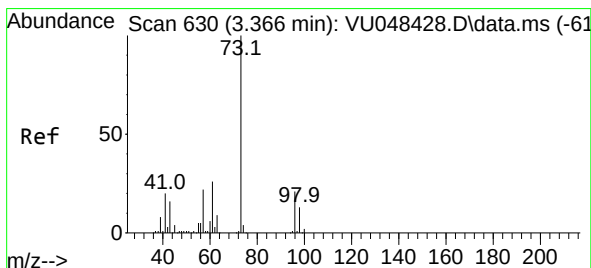
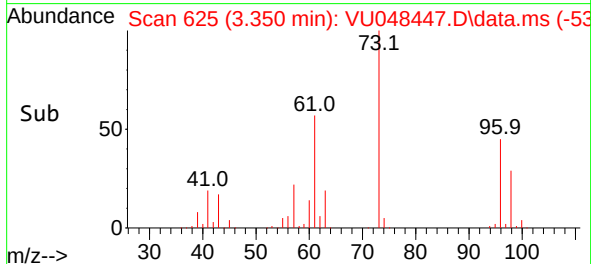
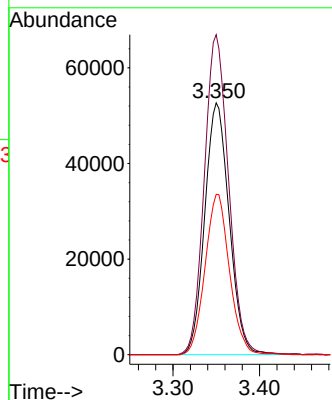
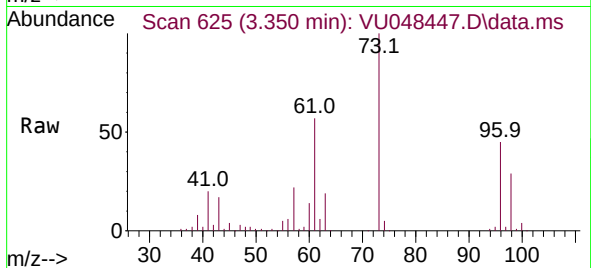
Tgt Ion: 96 Resp: 103507

Ion Ratio Lower Upper

96 100

61 127.0 95.2 176.8

98 63.6 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 52.348 ug/L

RT: 3.363 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

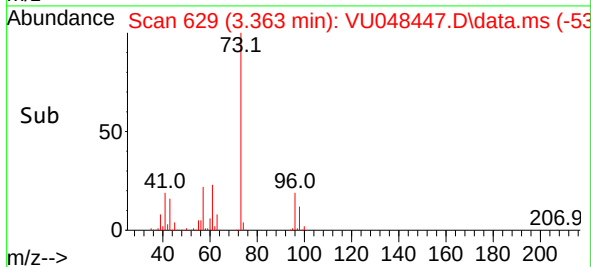
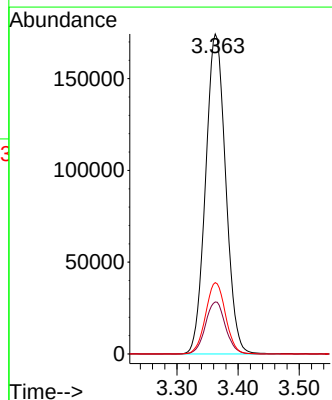
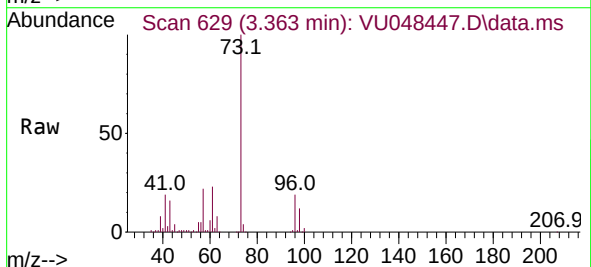
Tgt Ion: 73 Resp: 397704

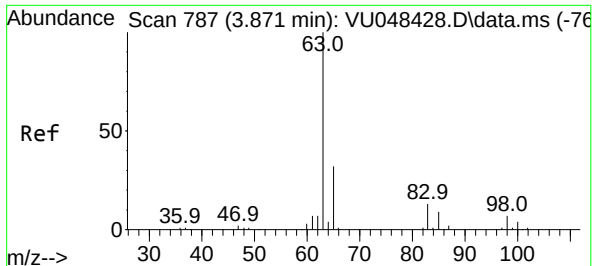
Ion Ratio Lower Upper

73 100

43 16.1 13.8 20.6

57 22.2 17.9 26.9





#19

1,1-Dichloroethane

Concen: 46.468 ug/L

RT: 3.867 min Scan# 787

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

EXL87MSD

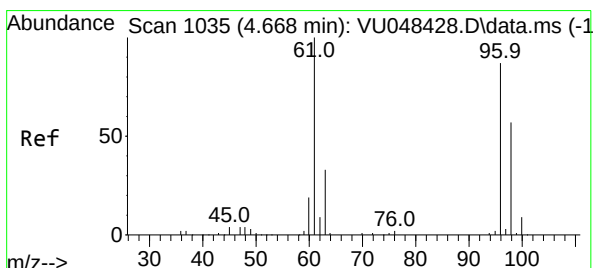
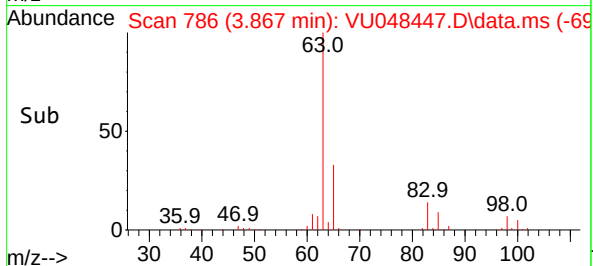
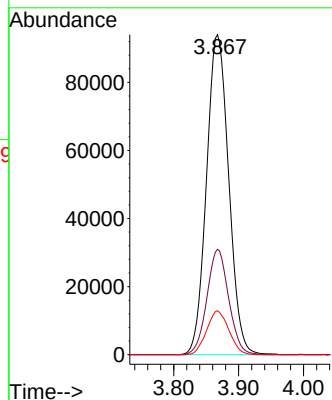
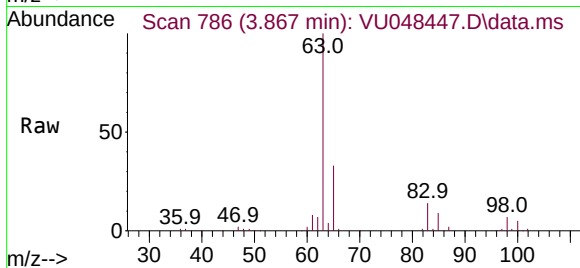
Tgt Ion: 63 Resp: 223745

Ion Ratio Lower Upper

63 100

65 33.0 22.0 40.8

83 13.7 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 50.651 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

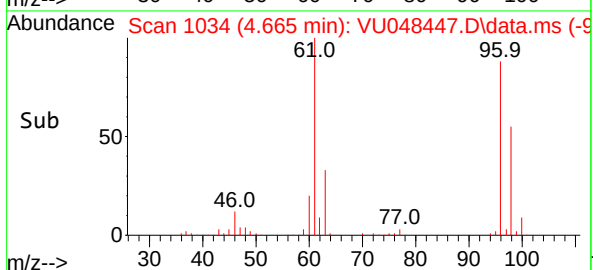
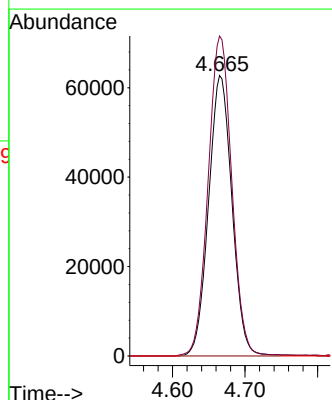
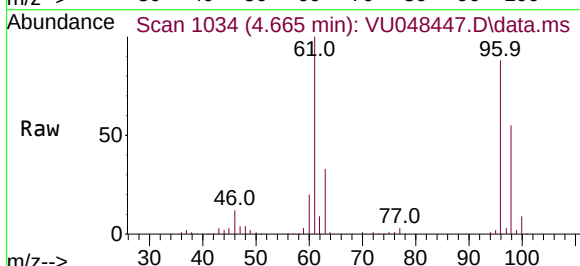
Tgt Ion: 96 Resp: 140583

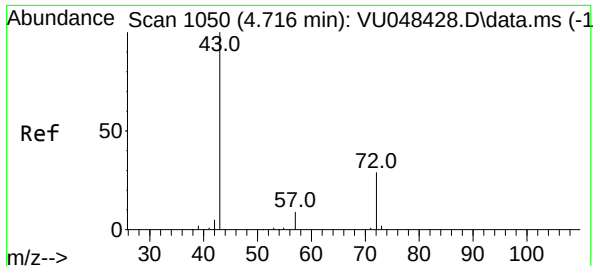
Ion Ratio Lower Upper

96 100

61 114.1 87.0 161.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.202 ug/L

RT: 4.700 min Scan# 110

Delta R.T. -0.016 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

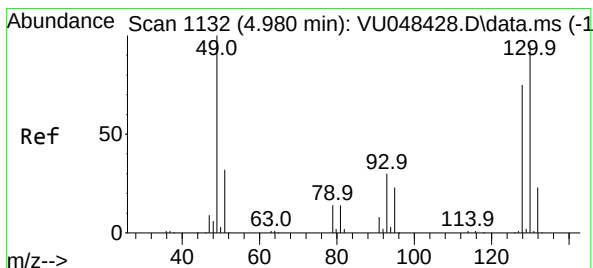
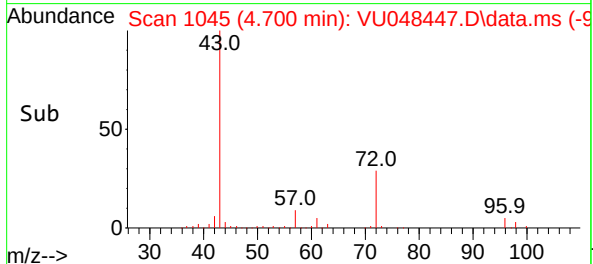
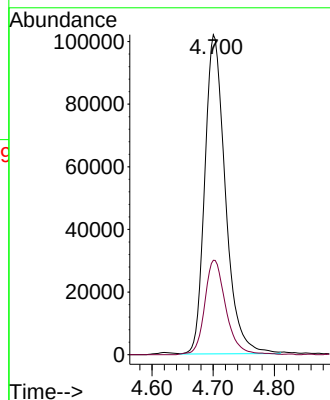
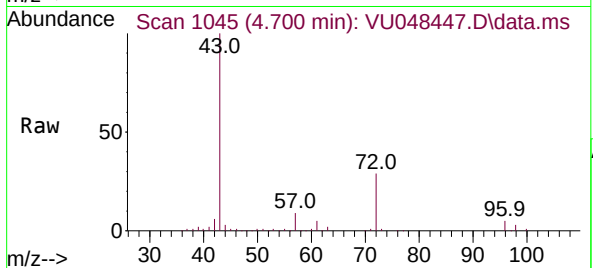
EXL87MSD

Tgt Ion: 43 Resp: 238932

Ion Ratio Lower Upper

43 100

72 30.1 14.6 43.8



#23

Bromochloromethane

Concen: 49.741 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Tgt Ion:128 Resp: 77078

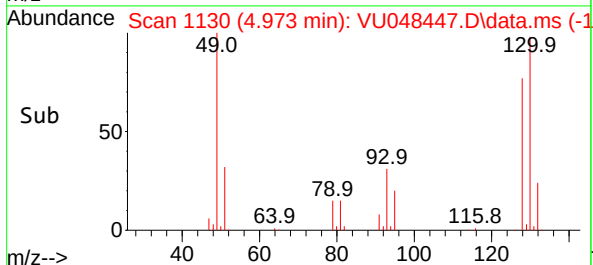
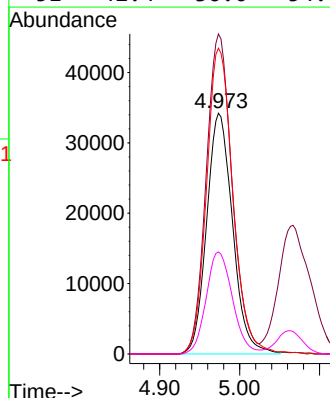
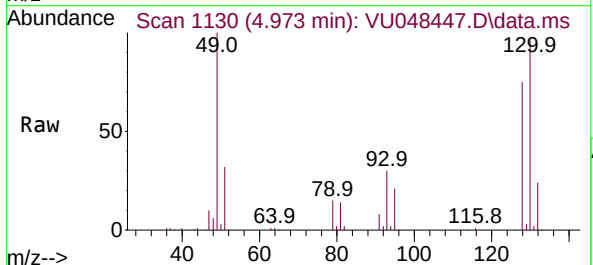
Ion Ratio Lower Upper

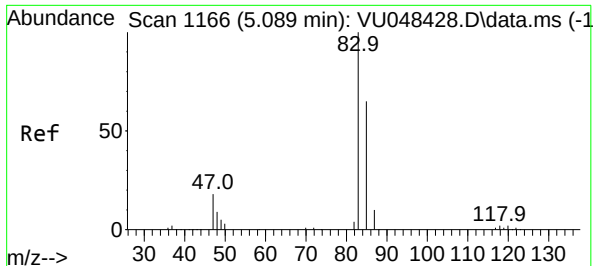
128 100

49 132.9 101.3 188.1

130 127.0 89.0 165.2

51 42.4 36.0 54.0





#25

Chloroform

Concen: 48.641 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

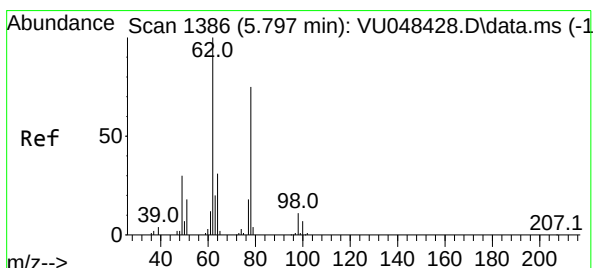
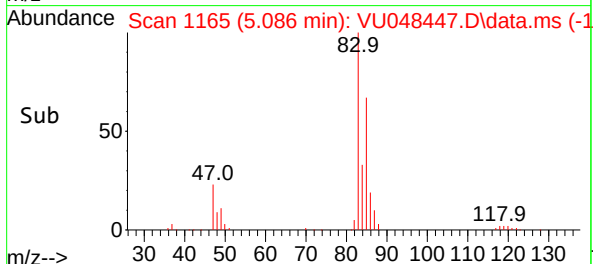
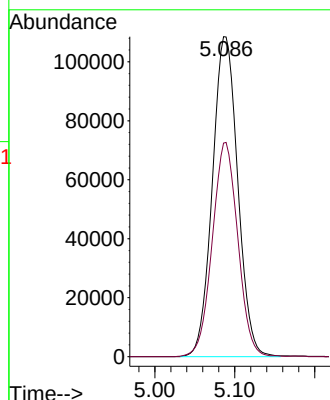
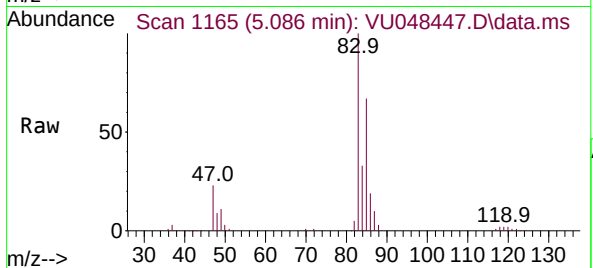
EXL87MSD

Tgt Ion: 83 Resp: 239159

Ion Ratio Lower Upper

83 100

85 66.8 45.7 84.9



#27

1,2-Dichloroethane

Concen: 45.253 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU048447.D

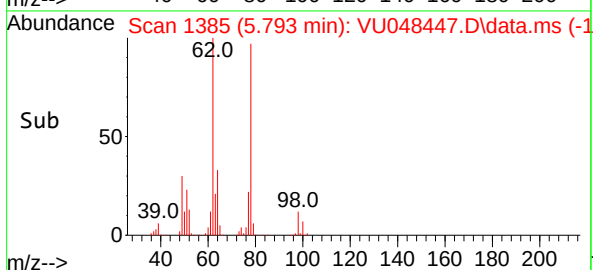
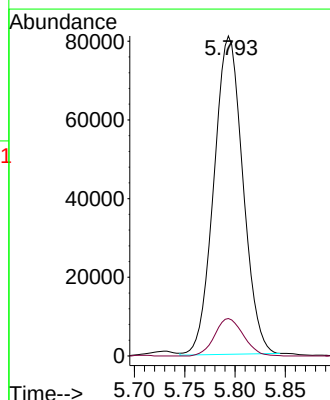
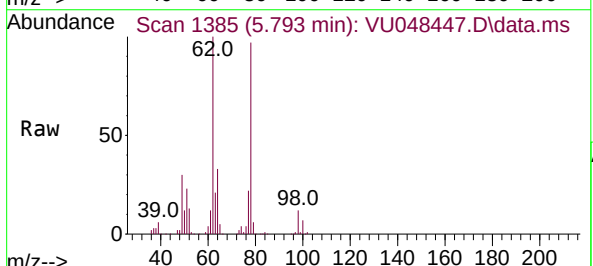
Acq: 05 May 2022 19:09

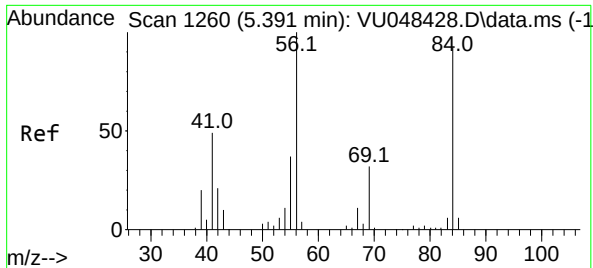
Tgt Ion: 62 Resp: 162294

Ion Ratio Lower Upper

62 100

98 11.7 8.5 12.7

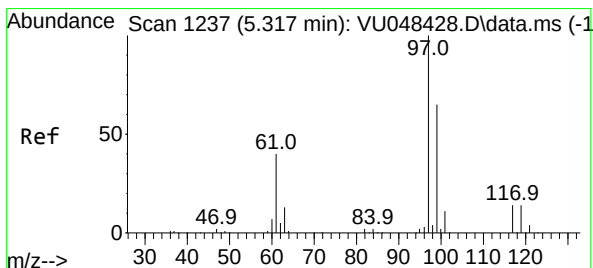
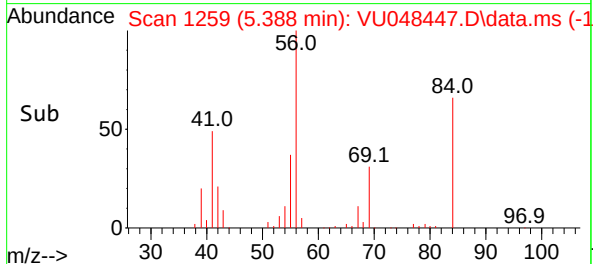
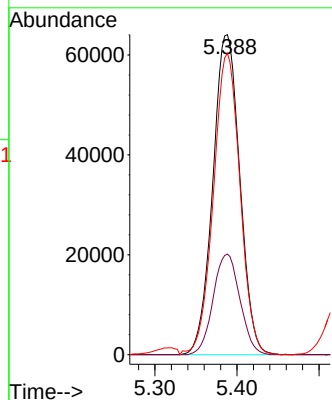
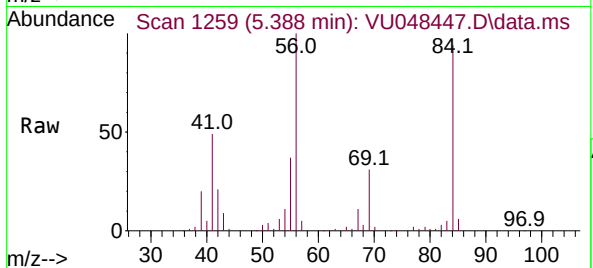




#29
Cyclohexane
Concen: 45.018 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

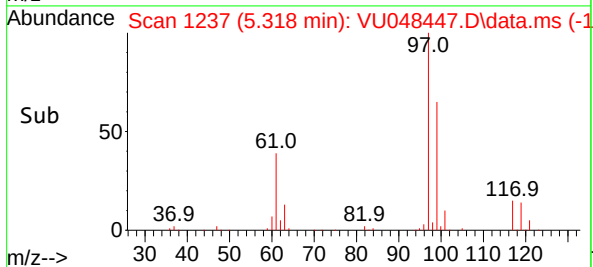
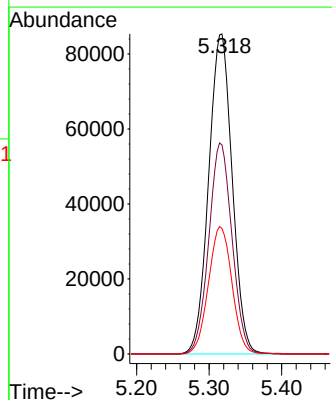
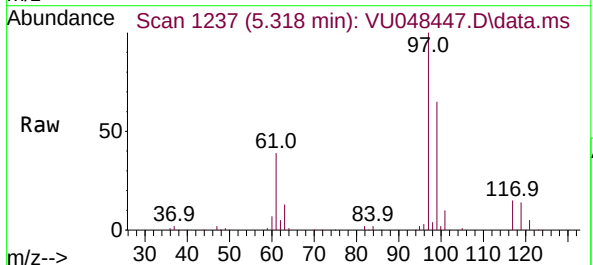
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

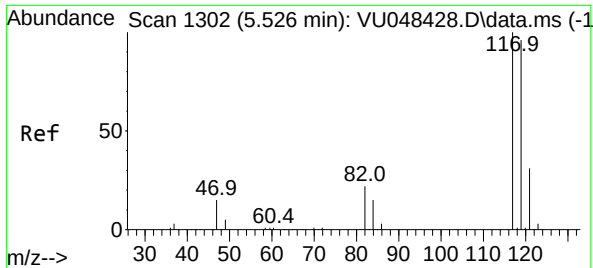
Tgt Ion: 56 Resp: 146705
Ion Ratio Lower Upper
56 100
69 31.1 24.2 36.4
84 92.6 72.2 108.2



#30
1,1,1-Trichloroethane
Concen: 49.373 ug/L
RT: 5.318 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion: 97 Resp: 192575
Ion Ratio Lower Upper
97 100
99 65.2 51.8 77.8
61 39.8 33.9 50.9

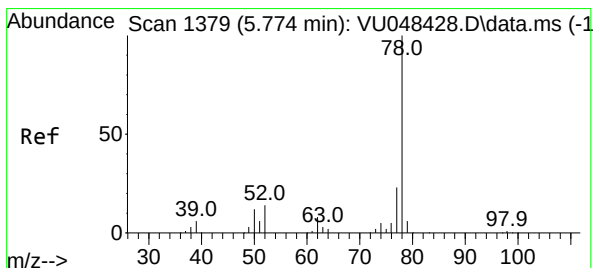
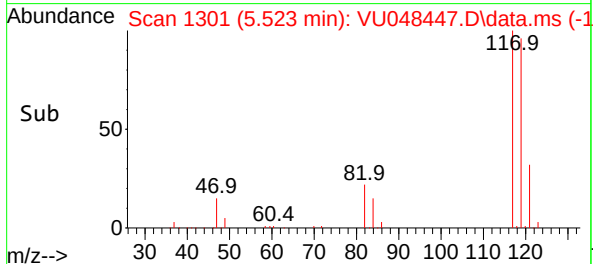
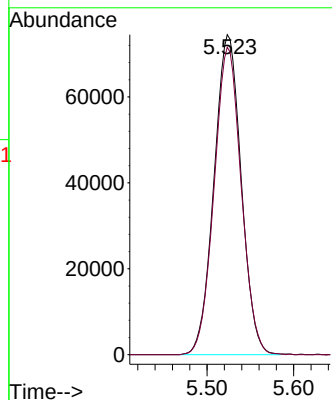
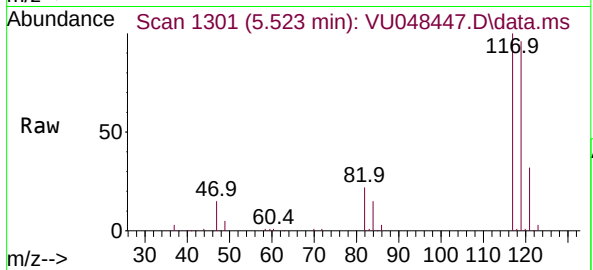




#31
Carbon tetrachloride
Concen: 48.724 ug/L
RT: 5.523 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

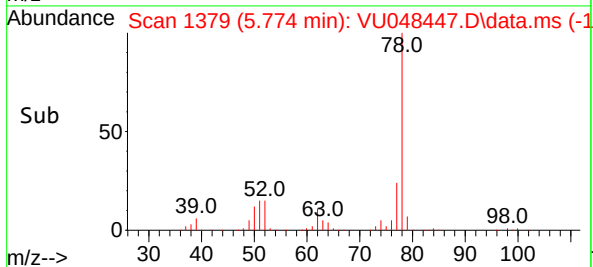
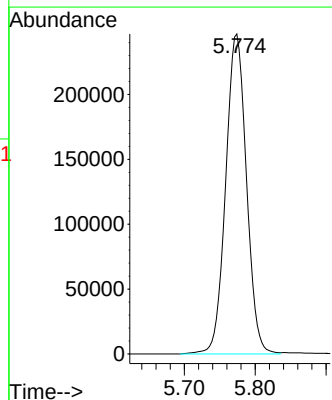
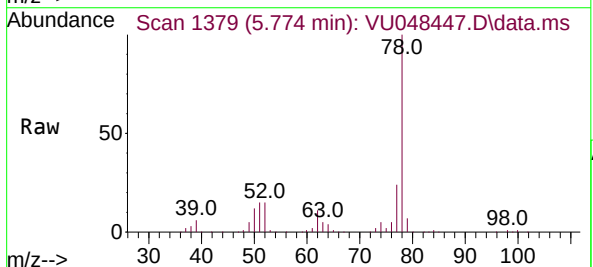
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

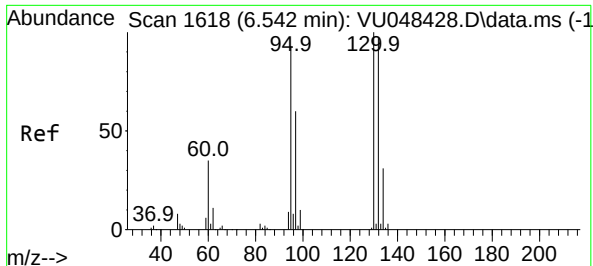
Tgt Ion:117 Resp: 161975
Ion Ratio Lower Upper
117 100
119 96.0 77.1 115.7



#33
Benzene
Concen: 49.230 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion: 78 Resp: 502726

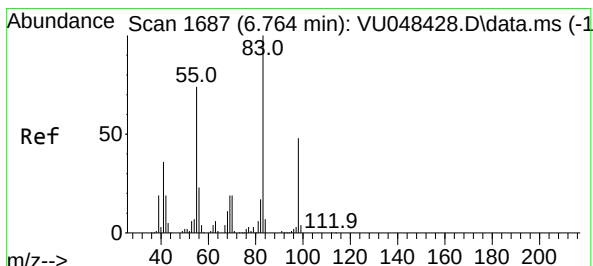
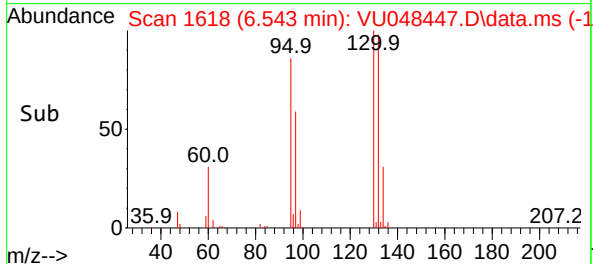
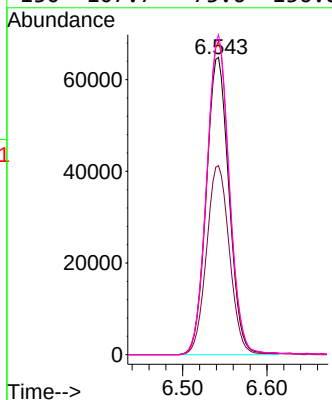
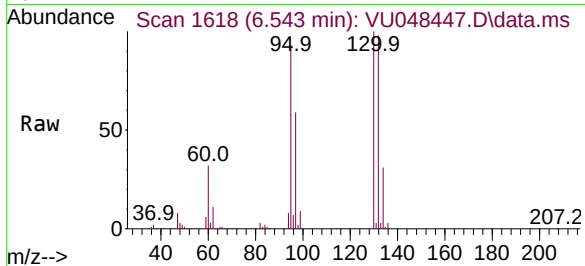




#34
Trichloroethene
Concen: 48.729 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

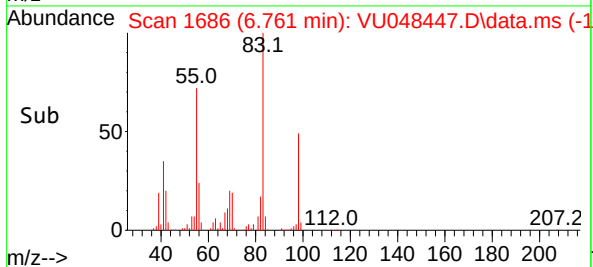
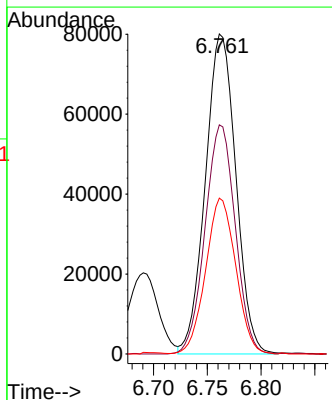
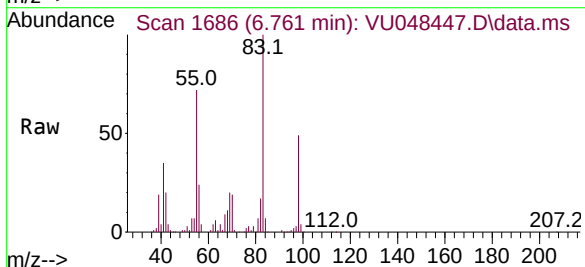
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

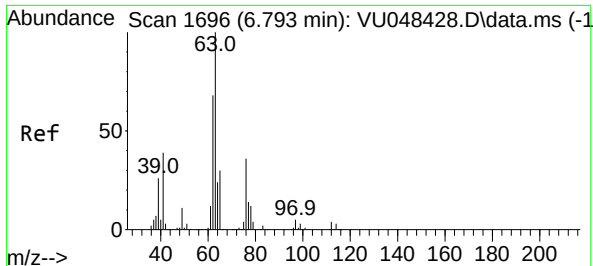
Tgt Ion: 95 Resp: 121970
Ion Ratio Lower Upper
95 100
97 63.6 45.8 85.2
132 105.5 71.6 133.0
130 107.7 73.6 136.8



#35
Methylcyclohexane
Concen: 45.032 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion: 83 Resp: 158249
Ion Ratio Lower Upper
83 100
55 70.8 59.4 89.2
98 48.0 37.3 55.9

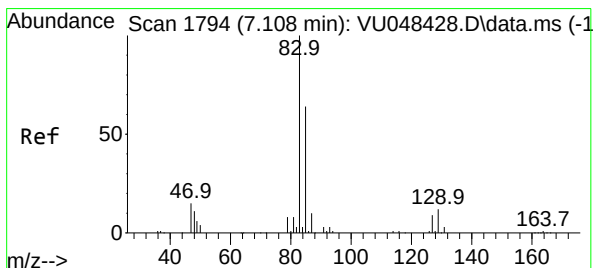
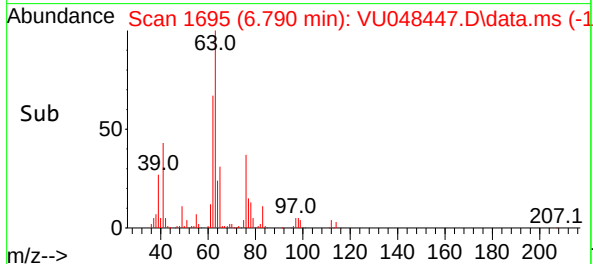
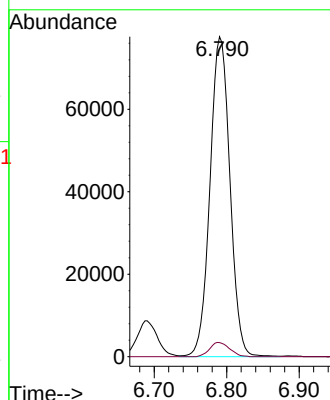
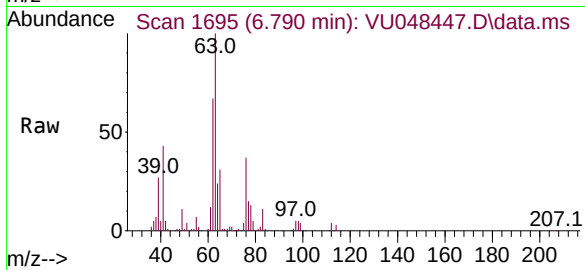




#37
1,2-Dichloropropane
Concen: 51.049 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

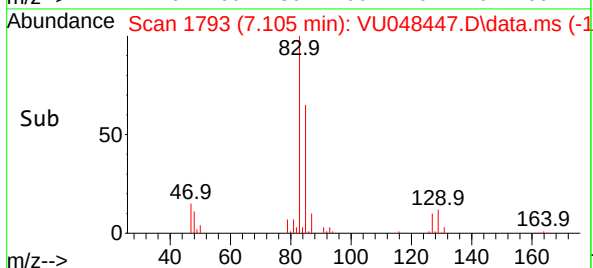
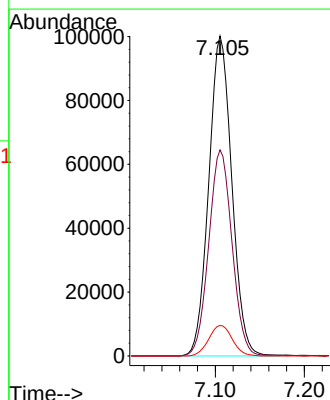
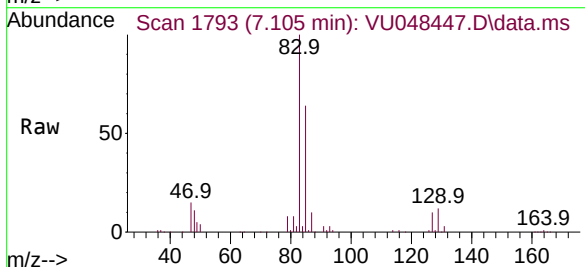
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

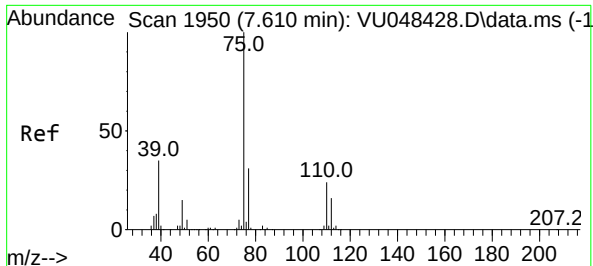
Tgt Ion: 63 Resp: 148320
Ion Ratio Lower Upper
63 100
112 4.5 3.1 4.7



#38
Bromodichloromethane
Concen: 49.077 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion: 83 Resp: 180072
Ion Ratio Lower Upper
83 100
85 64.4 45.3 84.1
127 9.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 50.080 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

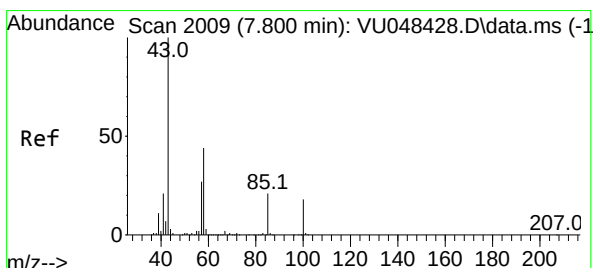
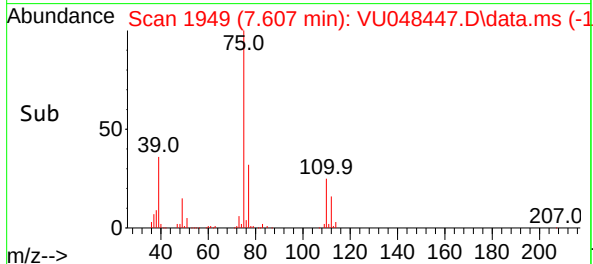
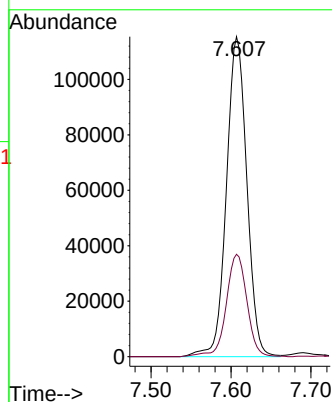
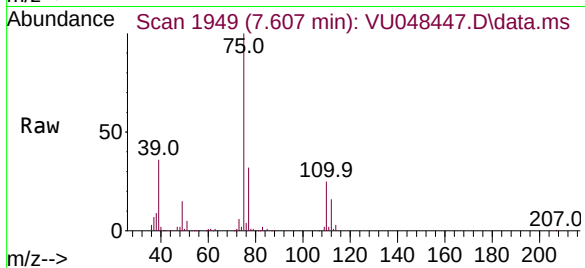
EXL87MSD

Tgt Ion: 75 Resp: 204603

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 108.130 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.006 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

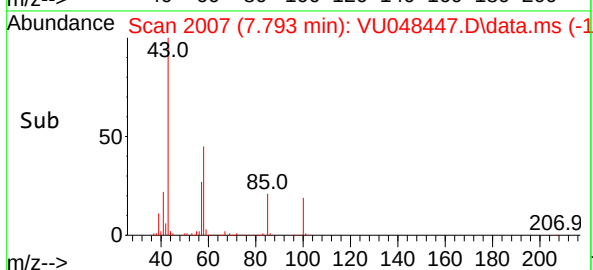
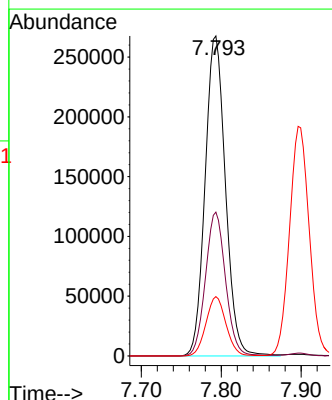
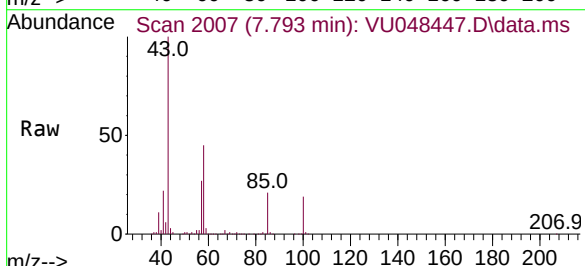
Tgt Ion: 43 Resp: 473841

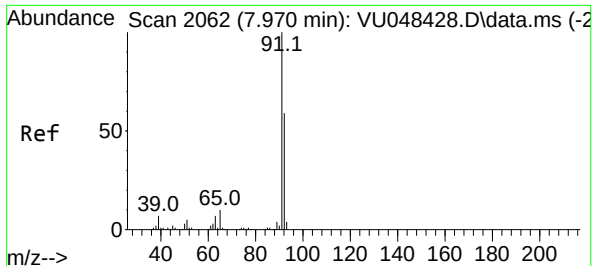
Ion Ratio Lower Upper

43 100

58 44.4 34.4 51.6

100 18.3 13.6 20.4





#42

Toluene

Concen: 50.636 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

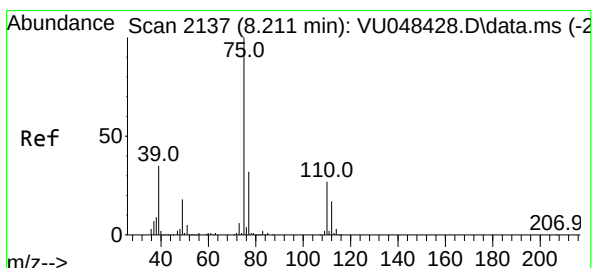
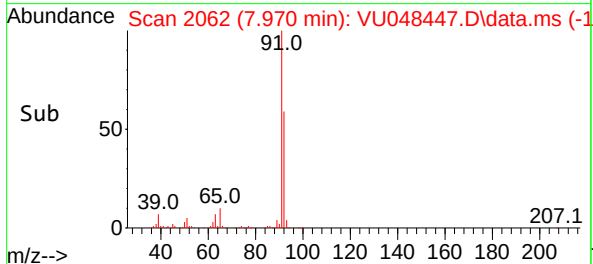
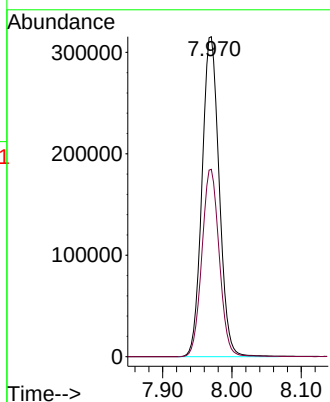
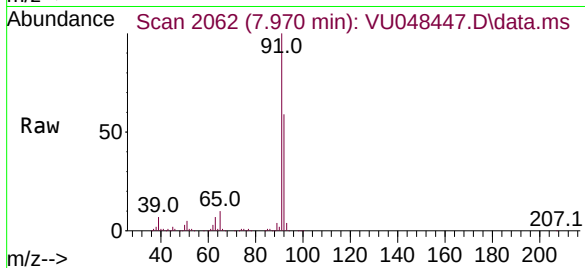
EXL87MSD

Tgt Ion: 91 Resp: 542885

Ion Ratio Lower Upper

91 100

92 58.6 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 49.936 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048447.D

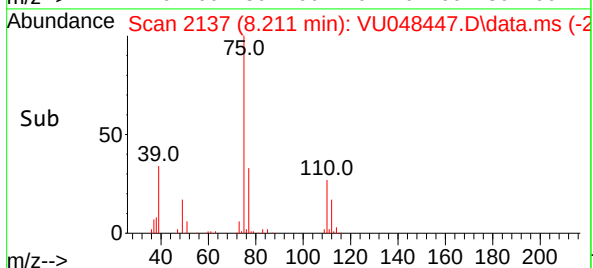
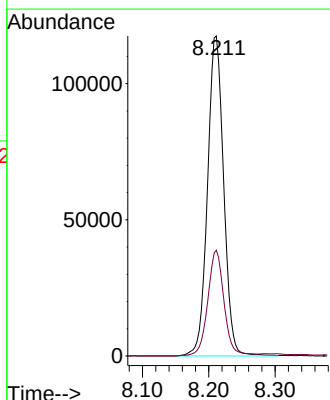
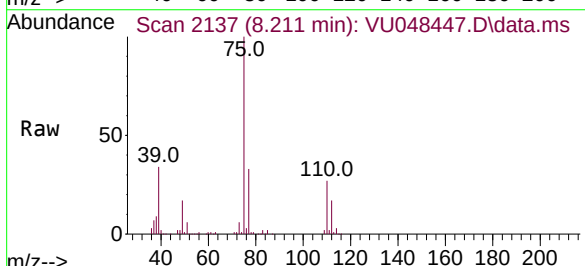
Acq: 05 May 2022 19:09

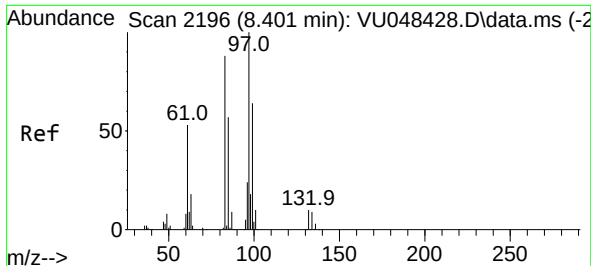
Tgt Ion: 75 Resp: 199305

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1

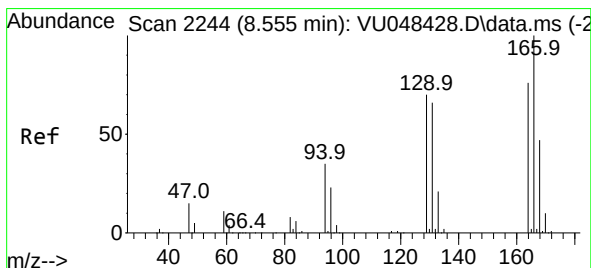
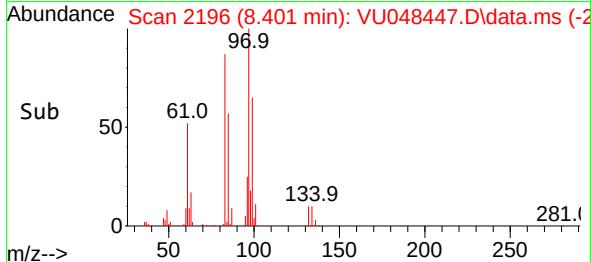
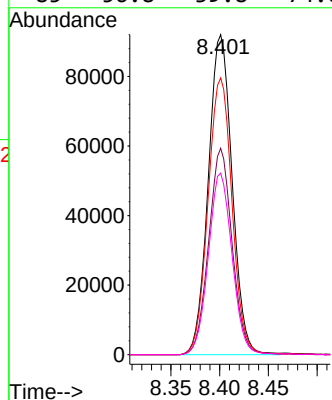
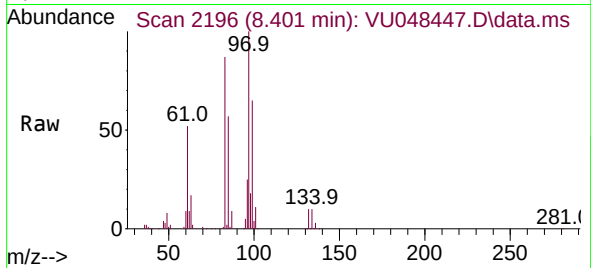




#45
1,1,2-Trichloroethane
Concen: 51.405 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

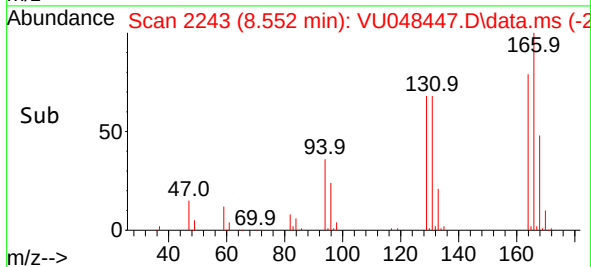
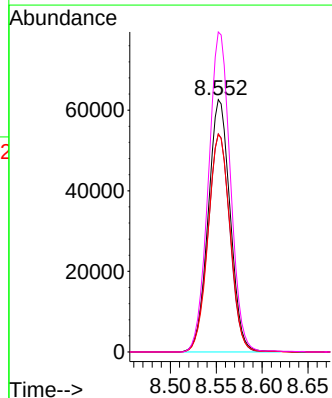
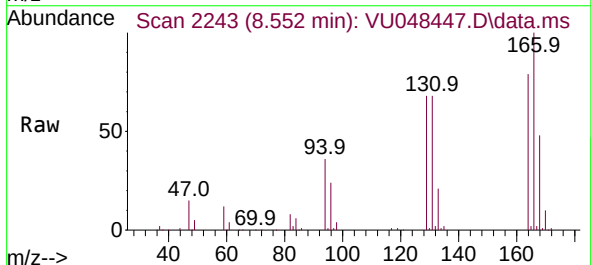
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

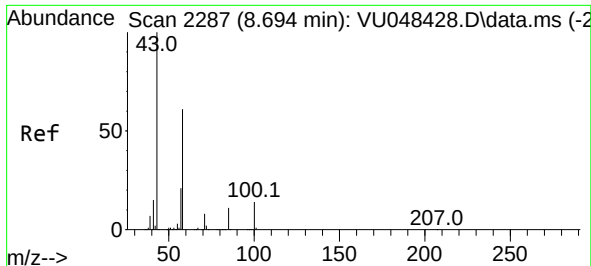
Tgt Ion: 97	Resp: 156697
Ion Ratio	Lower Upper
97 100	
99 64.5	43.7 81.1
83 86.5	62.6 116.2
85 56.8	39.8 74.0



#46
Tetrachloroethene
Concen: 48.557 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt	Ion:164	Resp:	104309
Ion	Ratio	Lower	Upper
164	100		
129	86.4	63.3	117.7
131	86.3	61.2	113.6
166	126.8	88.9	165.1

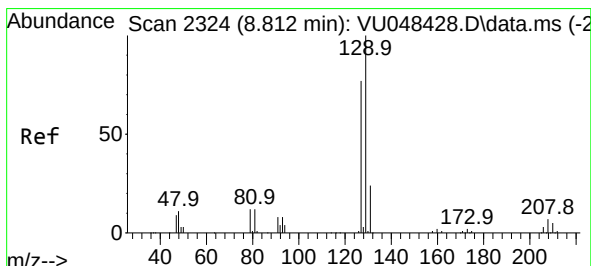
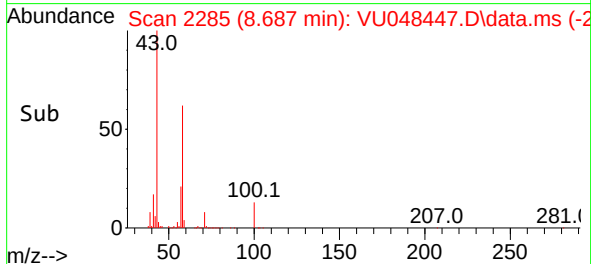
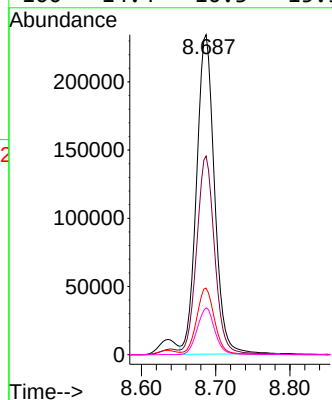
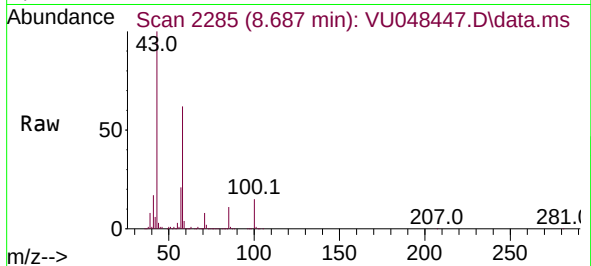




#48
2-Hexanone
Concen: 107.796 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

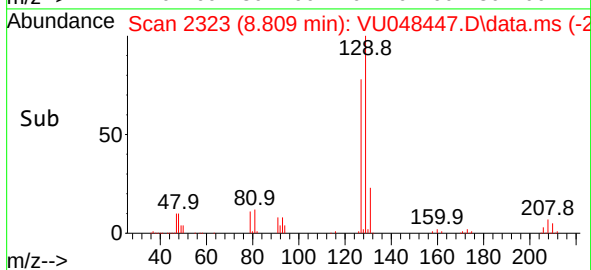
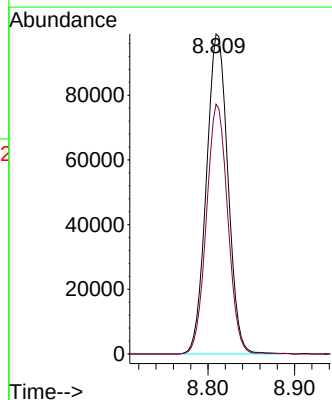
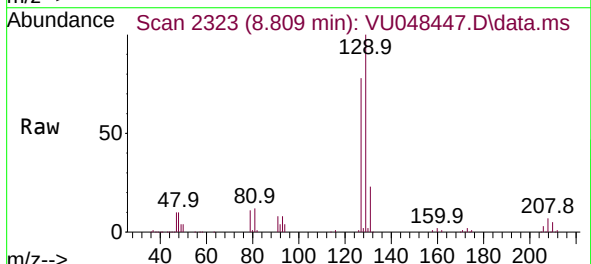
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

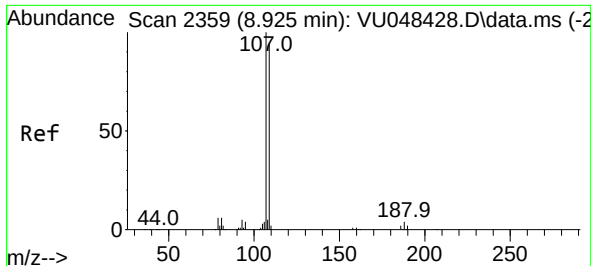
Tgt Ion: 43 Resp: 394469
Ion Ratio Lower Upper
43 100
58 61.5 48.1 72.1
57 20.7 16.2 24.4
100 14.4 10.3 15.5



#49
Dibromochloromethane
Concen: 51.037 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion: 129 Resp: 170955
Ion Ratio Lower Upper
129 100
127 78.0 53.8 99.8





#50

1,2-Dibromoethane

Concen: 50.892 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

EXL87MSD

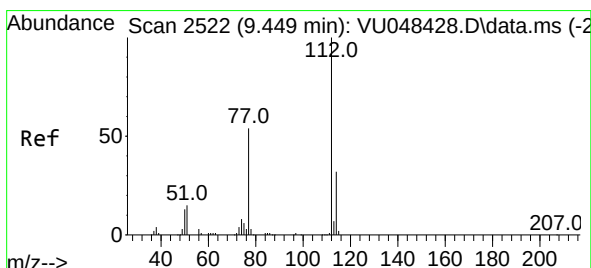
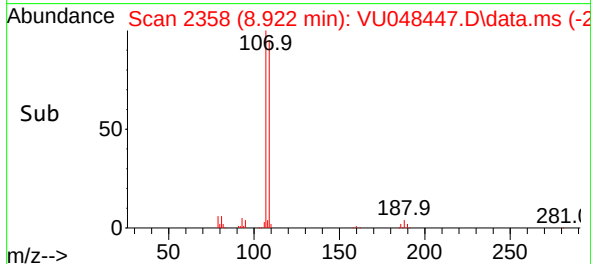
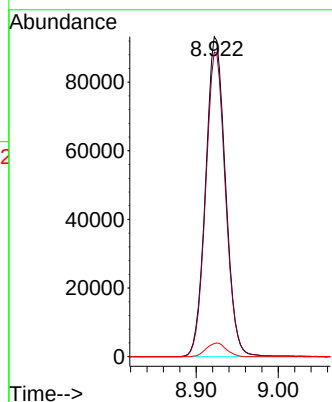
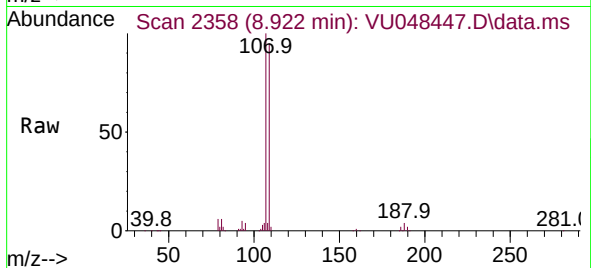
Tgt Ion:107 Resp: 157320

Ion Ratio Lower Upper

107 100

109 95.2 65.0 120.8

188 4.1 3.1 4.7



#51

Chlorobenzene

Concen: 50.552 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

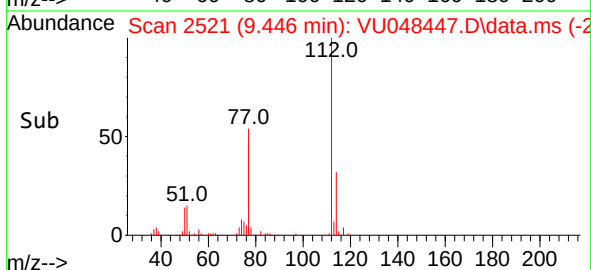
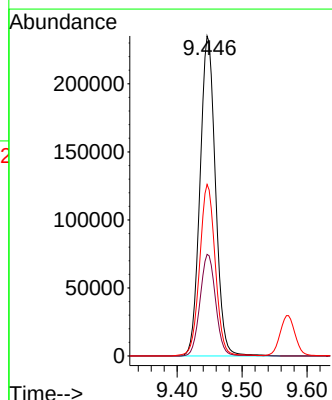
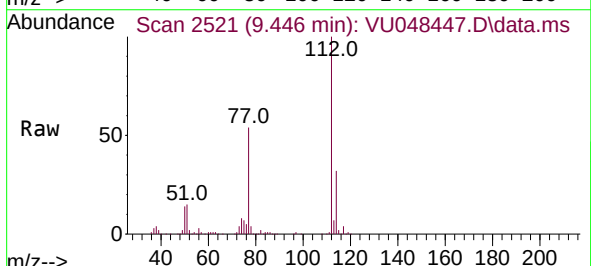
Tgt Ion:112 Resp: 390666

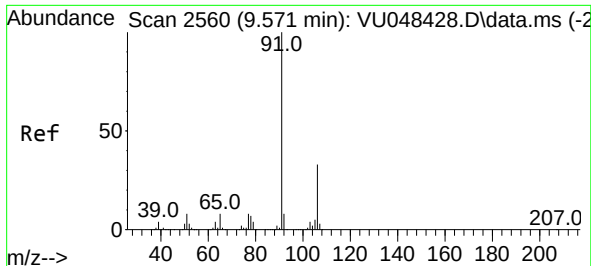
Ion Ratio Lower Upper

112 100

114 31.7 22.7 42.1

77 53.6 44.3 66.5

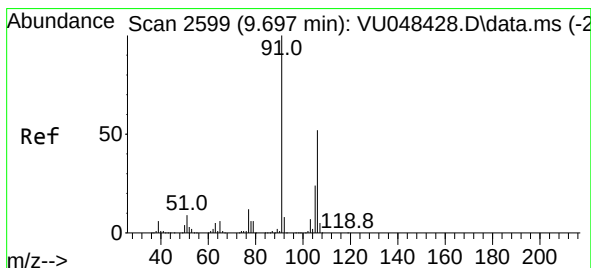
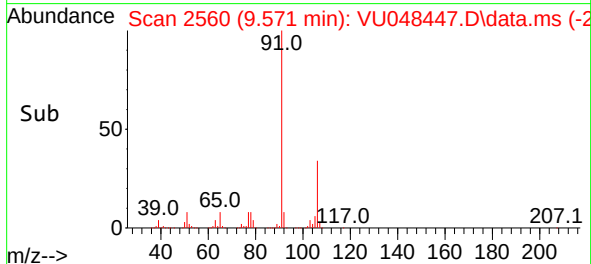
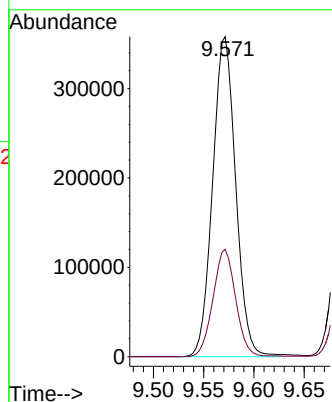
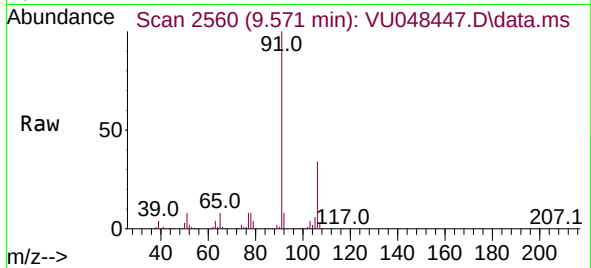




#52
Ethylbenzene
Concen: 51.434 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

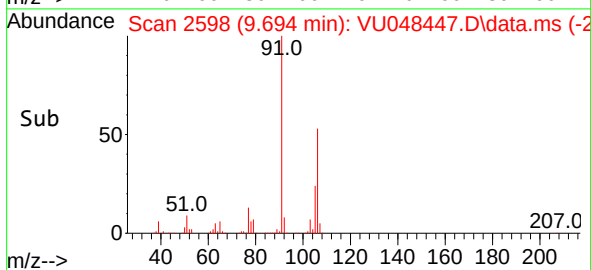
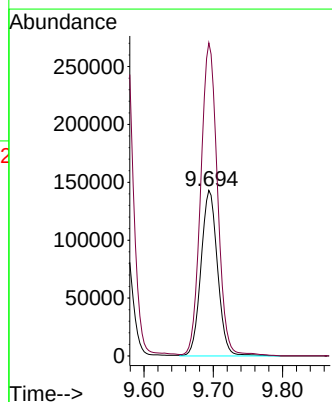
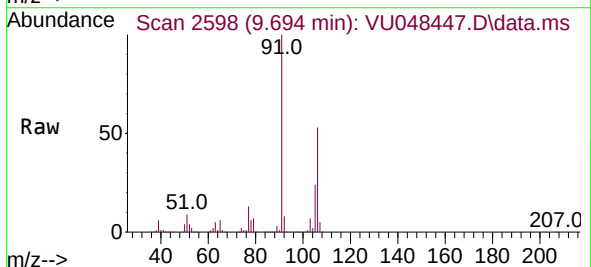
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

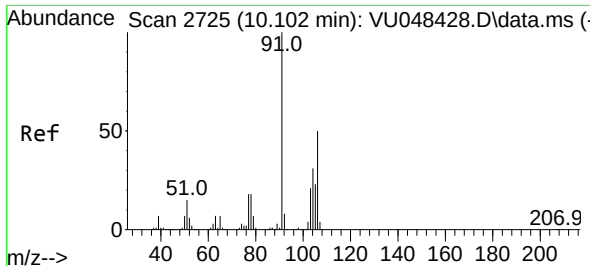
Tgt Ion: 91 Resp: 571087
Ion Ratio Lower Upper
91 100
106 33.5 22.5 41.9



#53
m,p-Xylene
Concen: 54.147 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion: 106 Resp: 237250
Ion Ratio Lower Upper
106 100
91 189.1 137.4 255.2

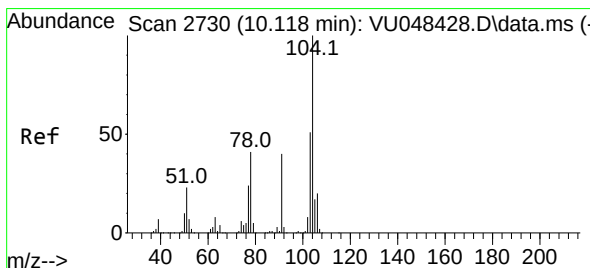
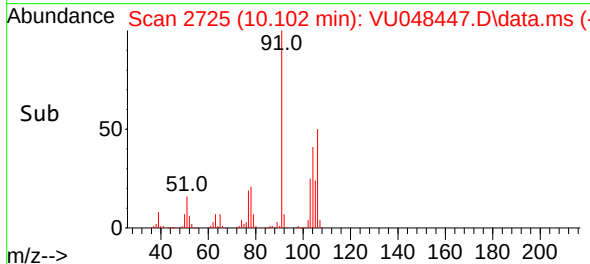
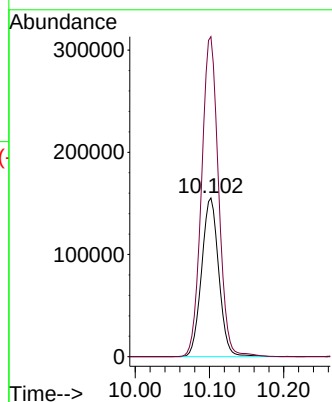
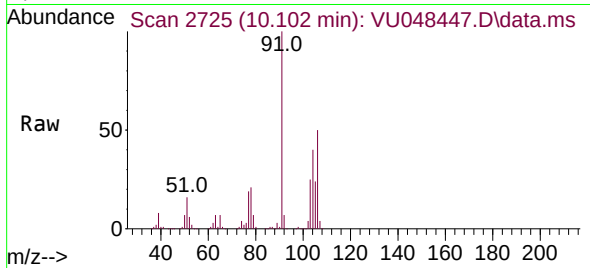




#54
o-Xylene
Concen: 56.525 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

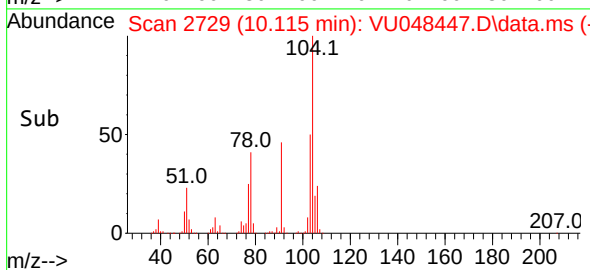
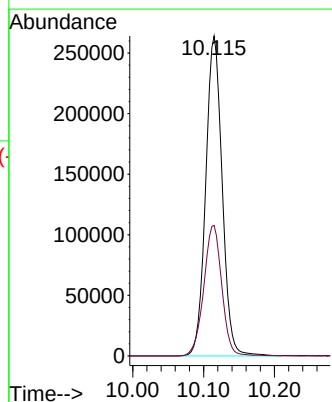
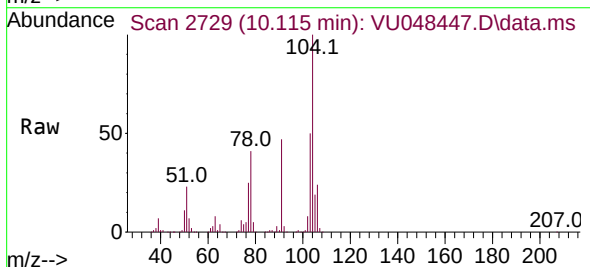
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

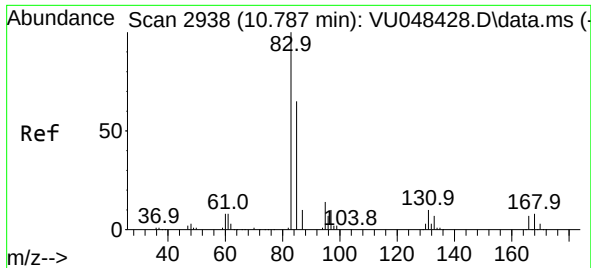
Tgt Ion:106 Resp: 249505
Ion Ratio Lower Upper
106 100
91 201.7 145.3 269.8



#55
Styrene
Concen: 56.713 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion:104 Resp: 426468
Ion Ratio Lower Upper
104 100
78 40.8 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 52.742 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

EXL87MSD

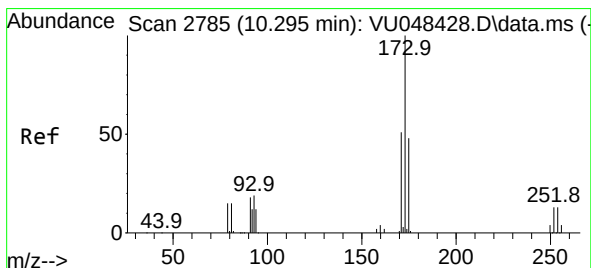
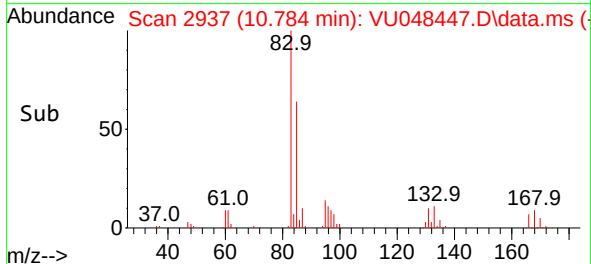
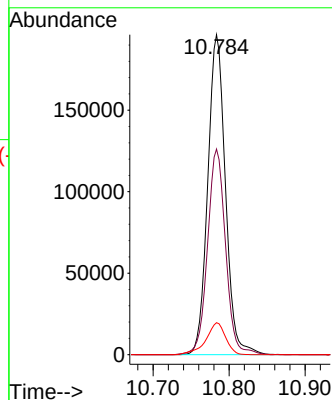
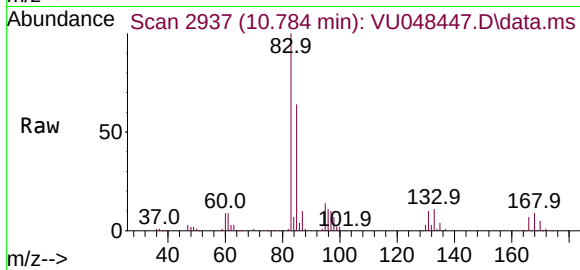
Tgt Ion: 83 Resp: 317308

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

131 10.0 7.8 11.6



#59

Bromoform

Concen: 51.745 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

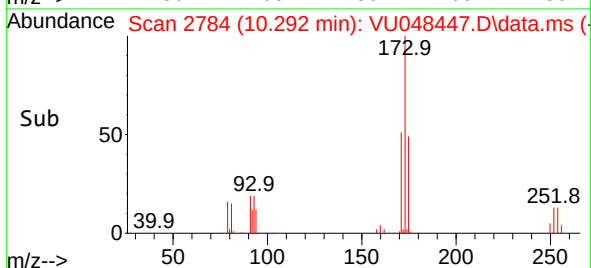
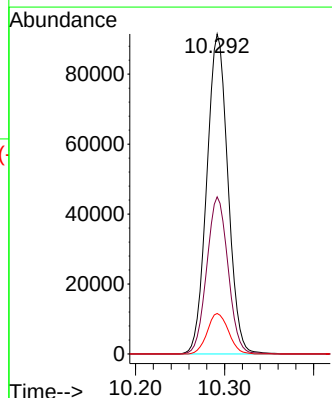
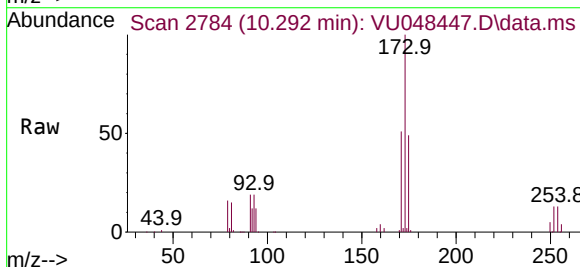
Tgt Ion:173 Resp: 150560

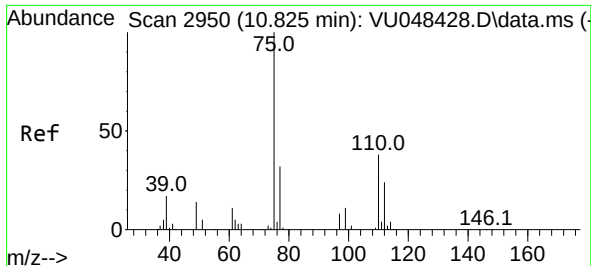
Ion Ratio Lower Upper

173 100

175 49.5 38.9 58.3

254 12.7 9.5 14.3

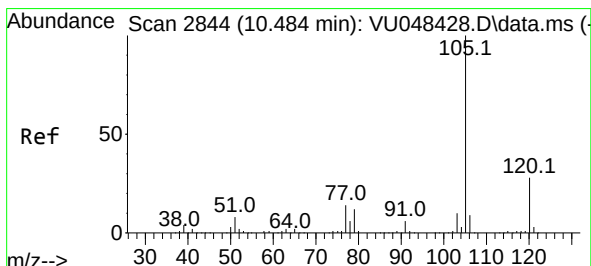
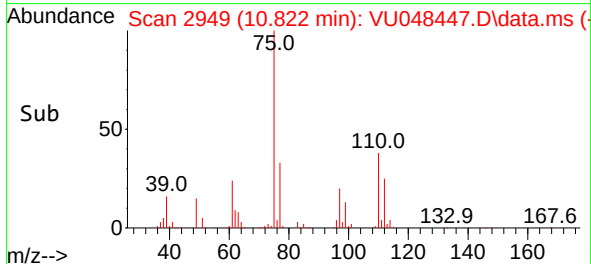
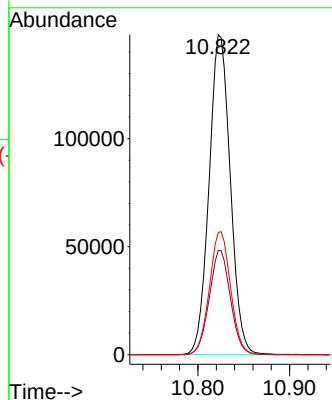
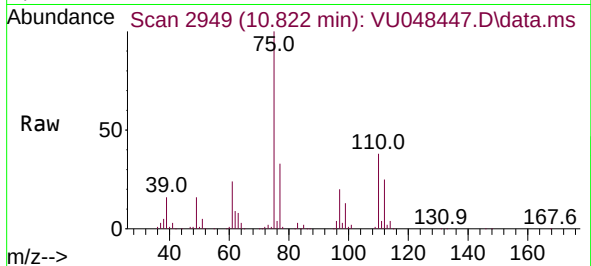




#60
1,2,3-Trichloropropane
Concen: 50.899 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

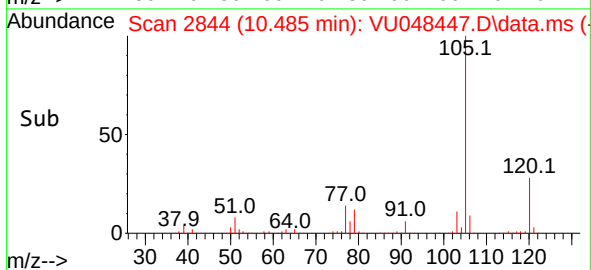
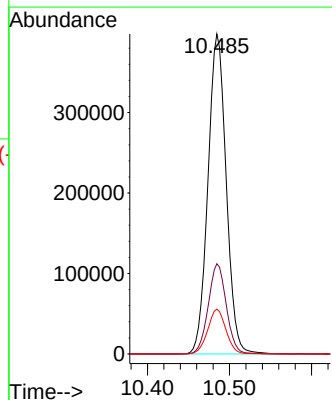
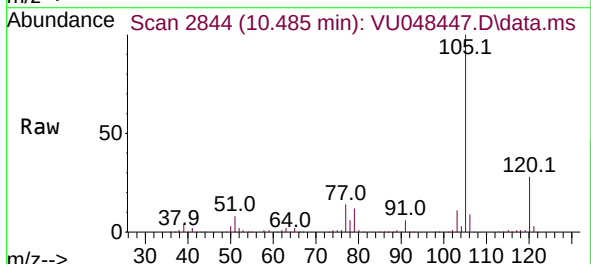
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

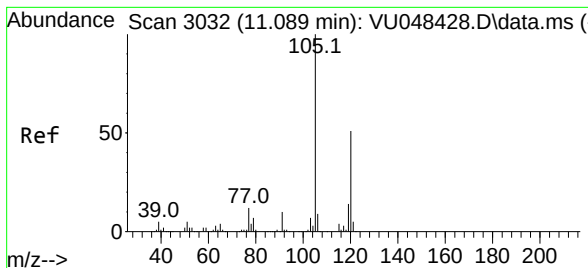
Tgt Ion: 75 Resp: 238062
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.8
110 38.4 29.9 44.9



#61
Isopropylbenzene
Concen: 54.829 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion: 105 Resp: 614630
Ion Ratio Lower Upper
105 100
120 27.9 21.7 32.5
77 14.0 11.7 17.5





#62

1,3,5-Trimethylbenzene

Concen: 56.213 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

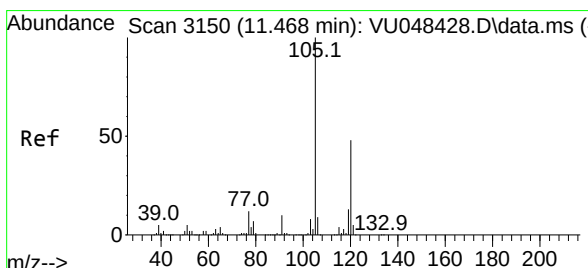
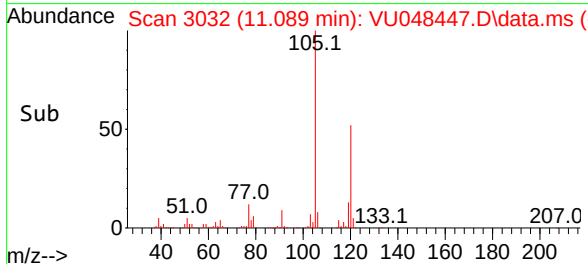
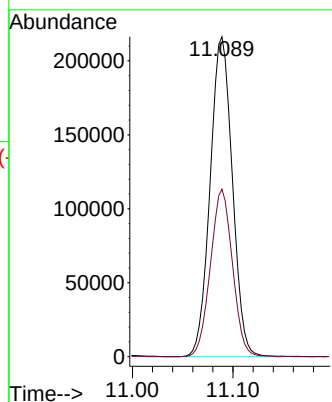
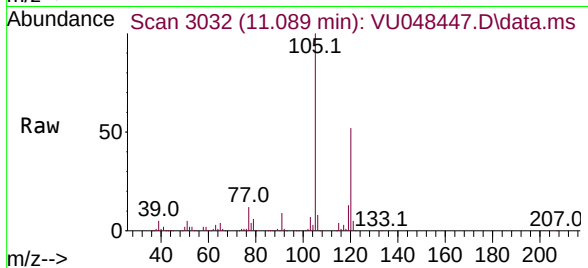
EXL87MSD

Tgt Ion:105 Resp: 332129

Ion Ratio Lower Upper

105 100

120 51.9 40.7 61.1



#63

1,2,4-Trimethylbenzene

Concen: 57.002 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU048447.D

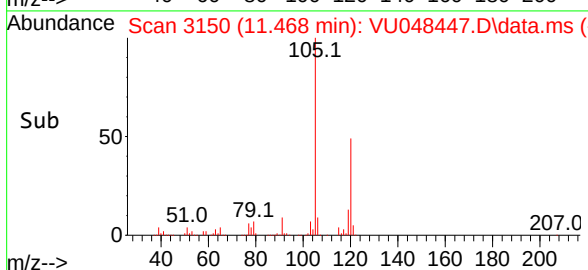
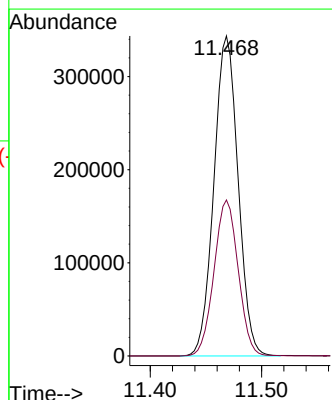
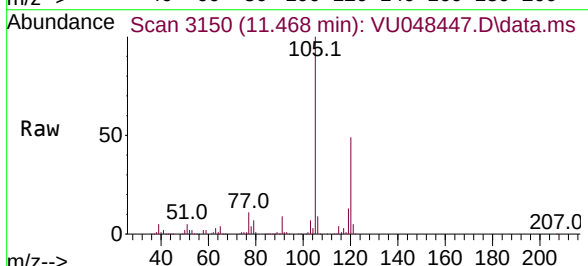
Acq: 05 May 2022 19:09

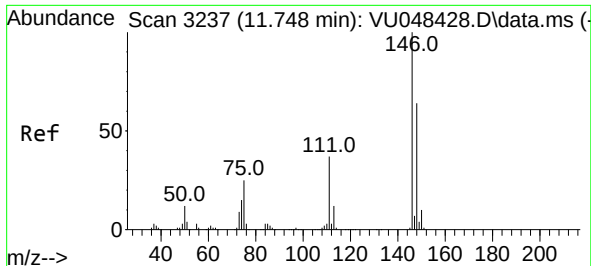
Tgt Ion:105 Resp: 517795

Ion Ratio Lower Upper

105 100

120 48.7 38.0 57.0

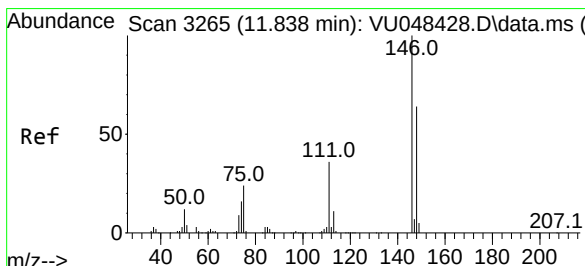
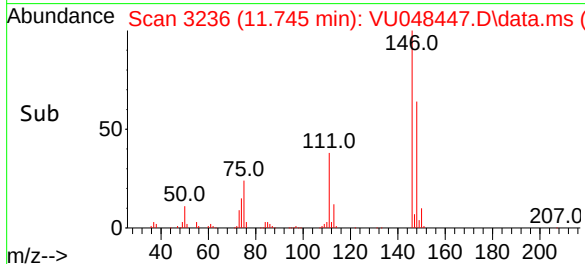
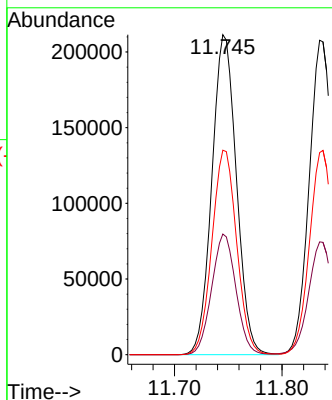
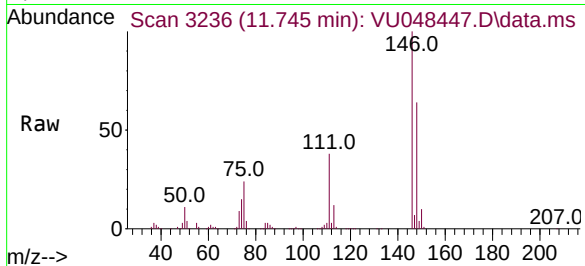




#64
1,3-Dichlorobenzene
Concen: 53.437 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

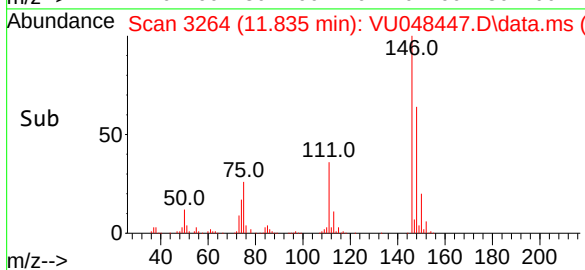
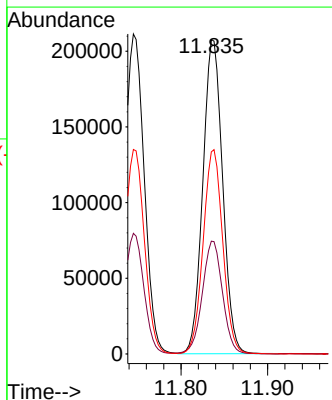
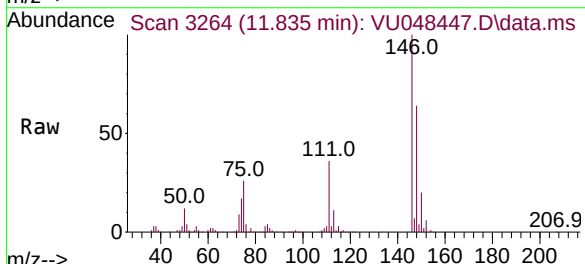
Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

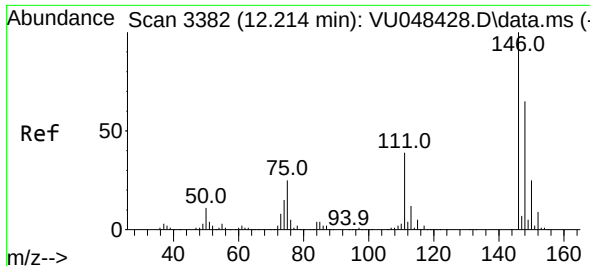
Tgt Ion:146 Resp: 335837
Ion Ratio Lower Upper
146 100
111 37.7 26.7 49.7
148 63.9 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 51.312 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion:146 Resp: 329221
Ion Ratio Lower Upper
146 100
111 35.8 25.9 48.1
148 64.2 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 53.526 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

EXL87MSD

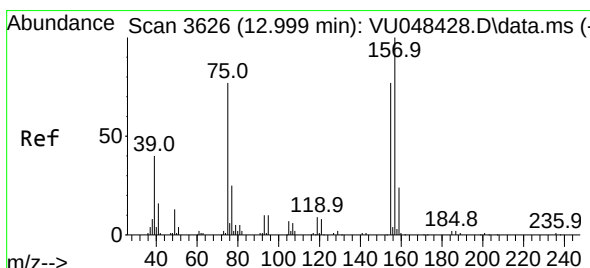
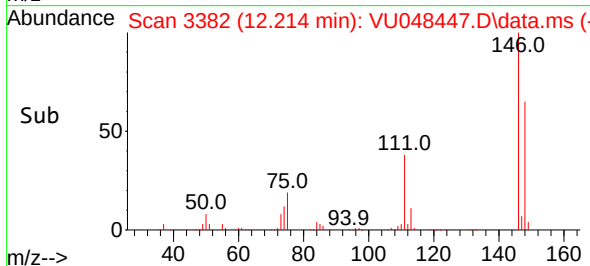
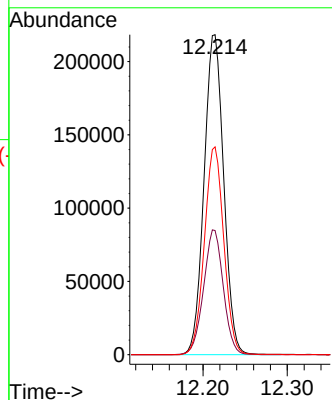
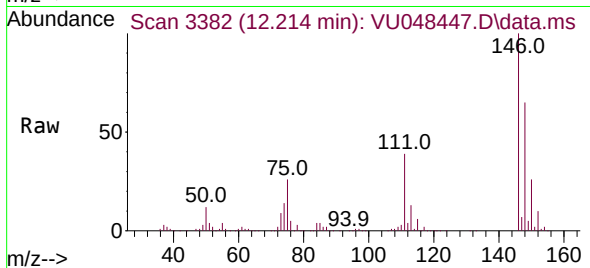
Tgt Ion:146 Resp: 354375

Ion Ratio Lower Upper

146 100

111 38.8 31.7 47.5

148 64.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 49.020 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU048447.D

Acq: 05 May 2022 19:09

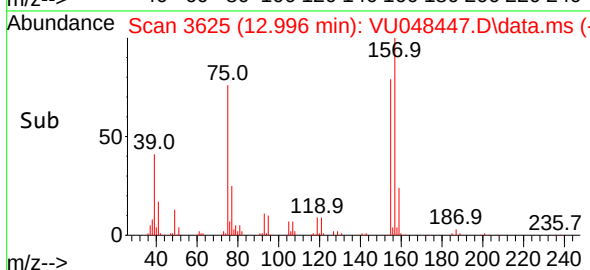
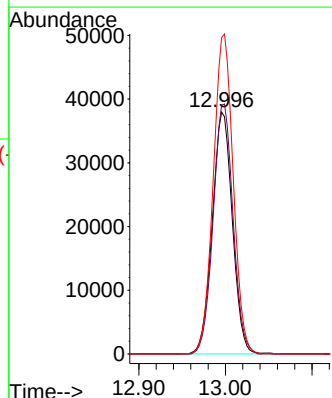
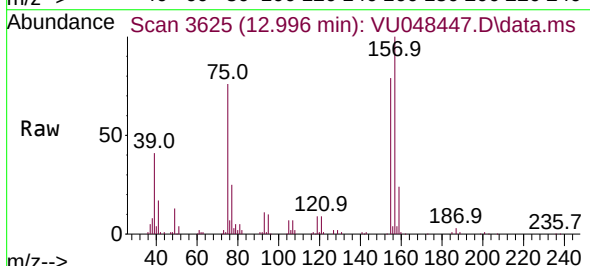
Tgt Ion: 75 Resp: 61206

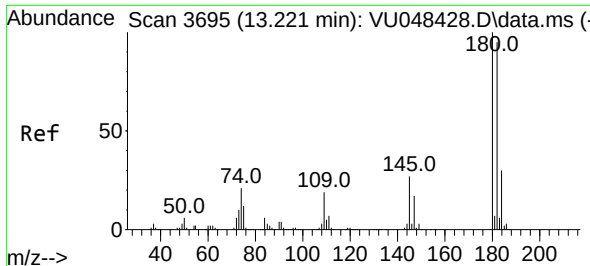
Ion Ratio Lower Upper

75 100

155 102.8 71.8 107.6

157 130.9 93.4 140.2

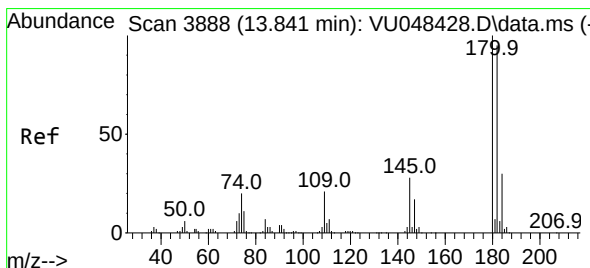
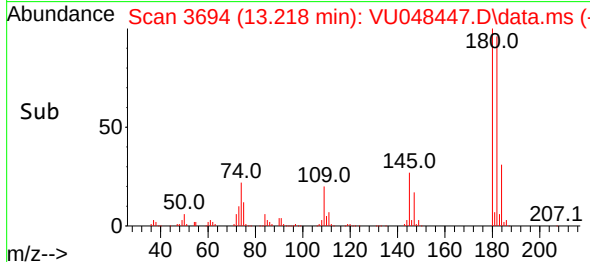
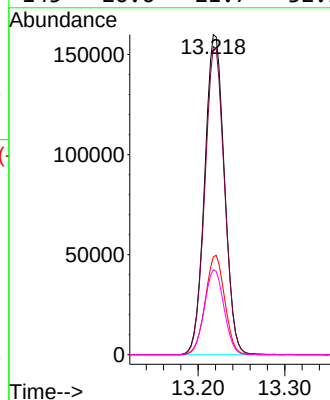
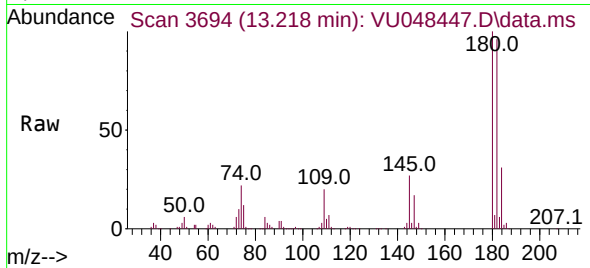




#69
 1,3,5-Trichlorobenzene
 Concen: 54.170 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. -0.003 min
 Lab File: VU048447.D
 Acq: 05 May 2022 19:09

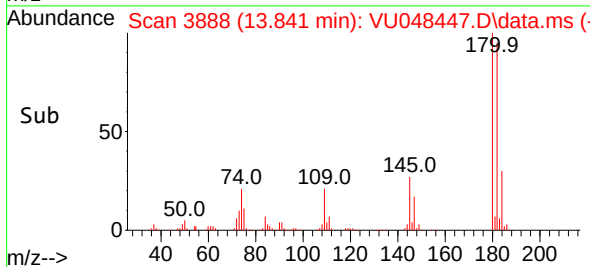
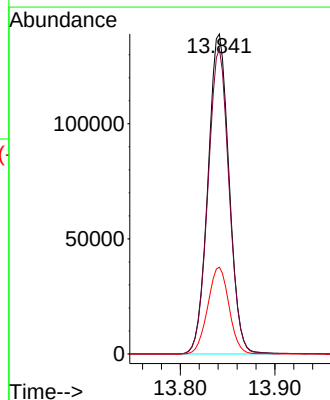
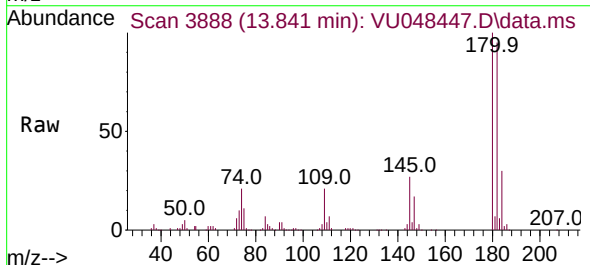
Instrument :
 MSVOA_U
 ClientSampleId :
 EXL87MSD

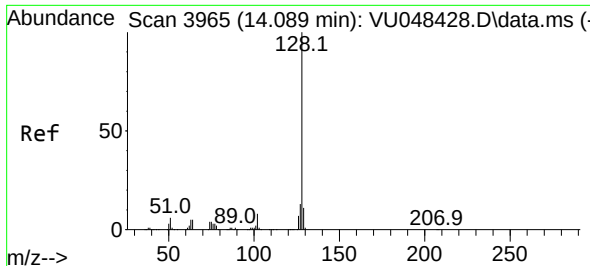
Tgt Ion:180	Resp:	252974
Ion Ratio	Lower	Upper
180	100	
182	95.6	77.0 115.4
184	30.6	24.6 37.0
145	26.6	21.7 32.5



#70
 1,2,4-trichlorobenzene
 Concen: 58.488 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048447.D
 Acq: 05 May 2022 19:09

Tgt Ion:180	Resp:	215786
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.3 114.5
145	27.3	22.6 33.8

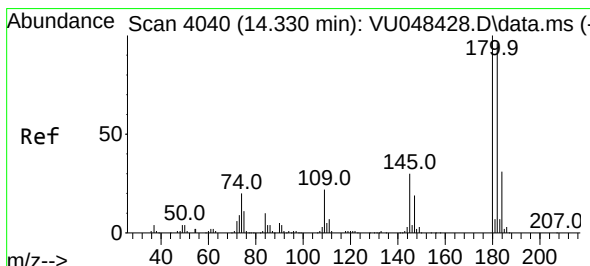
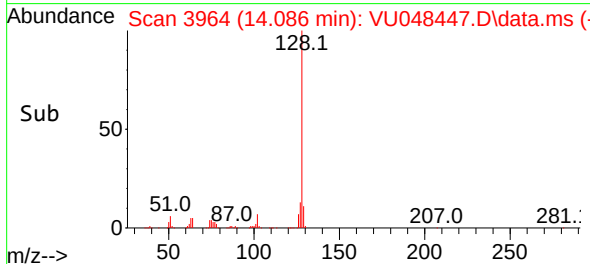
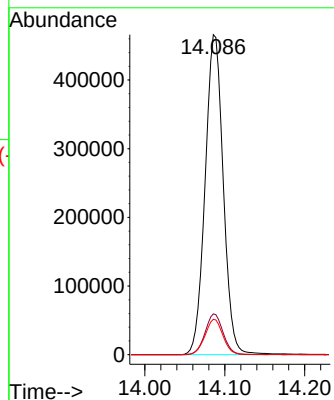
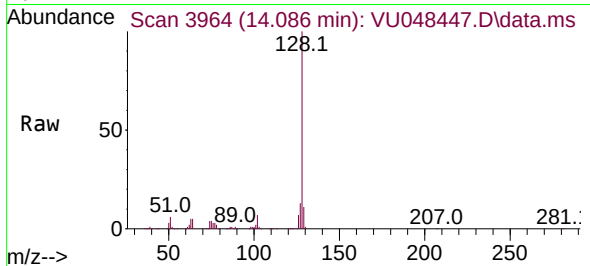




#71
Naphthalene
Concen: 69.715 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Instrument :
MSVOA_U
ClientSampleId :
EXL87MSD

Tgt Ion:128 Resp: 736081
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 61.463 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048447.D
Acq: 05 May 2022 19:09

Tgt Ion:180 Resp: 232393
Ion Ratio Lower Upper
180 100
182 96.1 75.8 113.6
145 29.3 23.5 35.3

