

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050522\
 Data File : VU048448.D
 Acq On : 05 May 2022 19:33
 Operator : SY/MD
 Sample : N2710-05MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXL87MS

Quant Time: May 06 05:42:25 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	6.250	114	335657	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	347561	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	199735	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	130210	42.185	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.380%
7) Chloroethane-d5	1.890	69	101609	46.898	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.562	63	207519	41.960	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.920%
21) 2-Butanone-d5	4.620	46	246988	93.819	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.820%
24) Chloroform-d	5.063	84	251980	45.008	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.020%
26) 1,2-Dichloroethane-d4	5.700	65	149360	44.963	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.920%
32) Benzene-d6	5.726	84	536872	48.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.960%
36) 1,2-Dichloropropane-d6	6.690	67	174355	48.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.220%
41) Toluene-d8	7.896	98	494532	49.772	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.540%
43) trans-1,3-Dichloroprop...	8.179	79	75405	47.155	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.320%
47) 2-Hexanone-d5	8.636	63	190212	97.285	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.290%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	308876	48.598	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	223714	49.790	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	91414	36.042	ug/L	99
3) Chloromethane	1.520	50	103912	35.795	ug/L	100
5) Vinyl chloride	1.604	62	111774	38.208	ug/L	94
6) Bromomethane	1.829	94	47965	35.676	ug/L	100
8) Chloroethane	1.912	64	70539	42.644	ug/L	97
9) Trichlorofluoromethane	2.125	101	160360	42.063	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	109264	43.212	ug/L	97
12) 1,1-Dichloroethene	2.575	96	94549	42.838	ug/L	98
13) Acetone	2.626	43	137467	81.338	ug/L	96
14) Carbon disulfide	2.790	76	176798	32.867	ug/L	100
15) Methyl Acetate	2.944	43	146539	43.679	ug/L	98
16) Methylene chloride	3.044	84	134479	47.260	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	102220	44.581	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	399475	52.804	ug/L	98
19) 1,1-Dichloroethane	3.867	63	223627	46.640	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	135537	49.040	ug/L	96
22) 2-Butanone	4.700	43	239983	96.025	ug/L	96
23) Bromochloromethane	4.973	128	77284	50.085	ug/L	96
25) Chloroform	5.086	83	237258	48.458	ug/L	99

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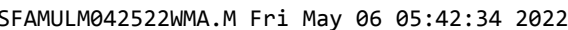
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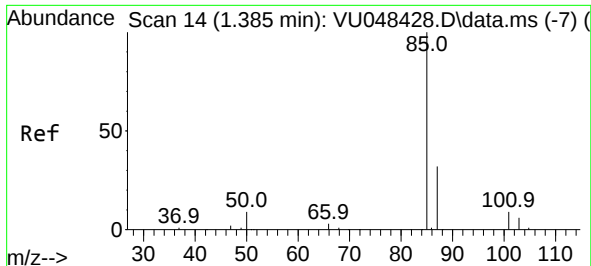
Quant Time: May 06 05:42:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 06 05:30:23 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	164463	46.052	ug/L	100
29) Cyclohexane	5.388	56	144113	43.885	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	189209	48.140	ug/L	98
31) Carbon tetrachloride	5.523	117	158406	47.287	ug/L	100
33) Benzene	5.774	78	498549	48.448	ug/L	100
34) Trichloroethene	6.542	95	119576	47.408	ug/L	98
35) Methylcyclohexane	6.761	83	157260	44.409	ug/L	97
37) 1,2-Dichloropropane	6.790	63	149503	51.064	ug/L	99
38) Bromodichloromethane	7.105	83	176986	47.868	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	205657	49.954	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	478079	108.264	ug/L	98
42) Toluene	7.970	91	533572	49.387	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	198845	49.440	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	156650	50.997	ug/L	99
46) Tetrachloroethene	8.552	164	102290	47.253	ug/L	98
48) 2-Hexanone	8.687	43	393249	106.643	ug/L	97
49) Dibromochloromethane	8.809	129	169255	50.144	ug/L	99
50) 1,2-Dibromoethane	8.925	107	157040	50.414	ug/L	97
51) Chlorobenzene	9.446	112	389100	49.965	ug/L	99
52) Ethylbenzene	9.571	91	570150	50.957	ug/L	100
53) m,p-Xylene	9.693	106	237453	53.779	ug/L	95
54) o-Xylene	10.102	106	247036	55.538	ug/L	96
55) Styrene	10.115	104	423346	55.869	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	319723	52.738	ug/L	100
59) Bromoform	10.291	173	151573	52.290	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	239857	51.477	ug/L	99
61) Isopropylbenzene	10.484	105	609740	54.598	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	332173	56.433	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	518673	57.314	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	331853	53.002	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	327616	51.255	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	349907	53.051	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	61838	49.714	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	246750	53.037	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	207445	56.439	ug/L	98
71) Naphthalene	14.085	128	699530	66.504	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	224062	59.483	ug/L	99

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

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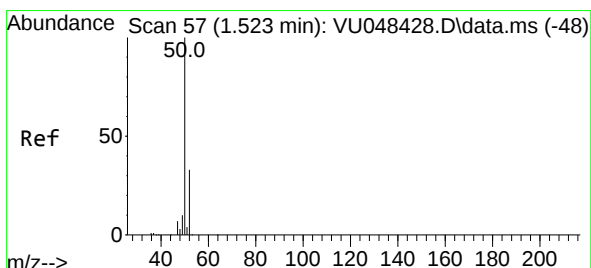
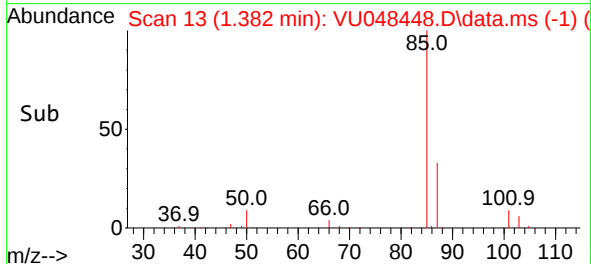
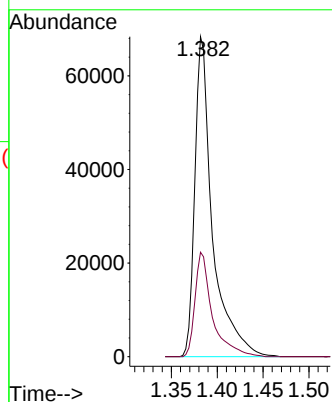
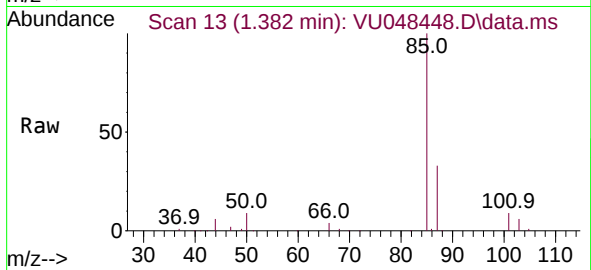




#2
Dichlorodifluoromethane
Concen: 36.042 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

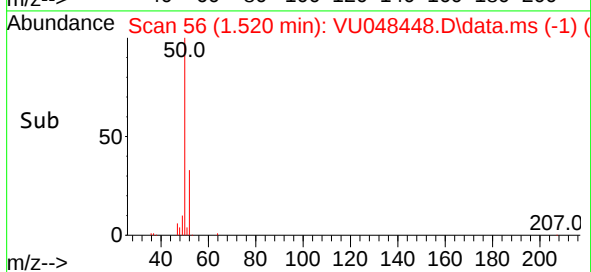
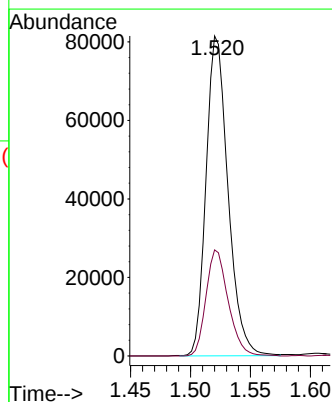
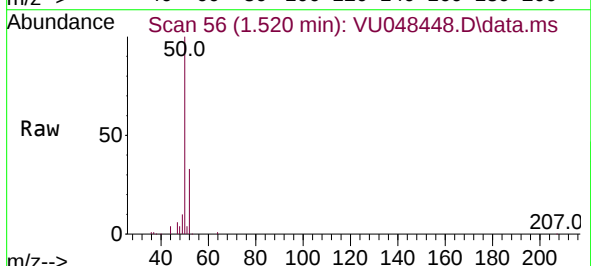
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

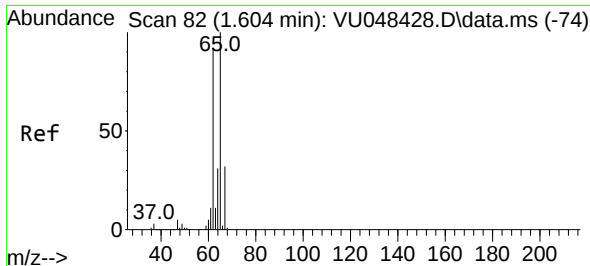
Tgt Ion: 85 Resp: 91414
Ion Ratio Lower Upper
85 100
87 32.0 26.1 39.1



#3
Chloromethane
Concen: 35.795 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion: 50 Resp: 103912
Ion Ratio Lower Upper
50 100
52 33.1 23.2 43.2

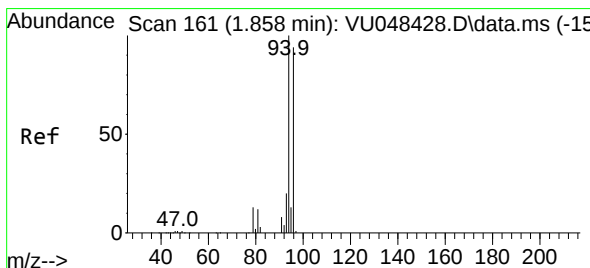
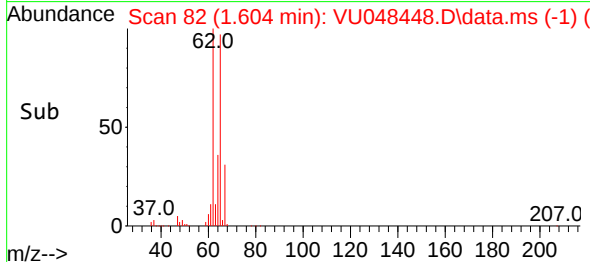
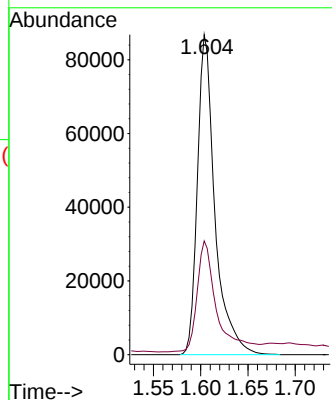
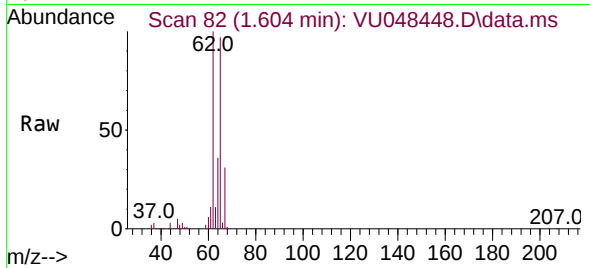




#5
 Vinyl chloride
 Concen: 38.208 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048448.D
 Acq: 05 May 2022 19:33

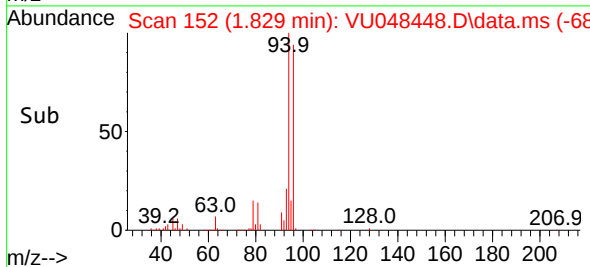
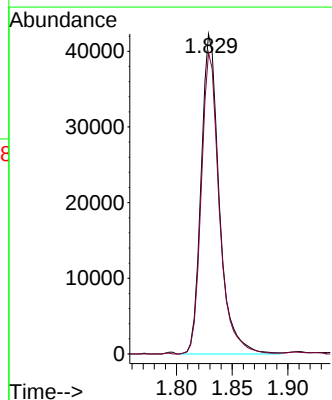
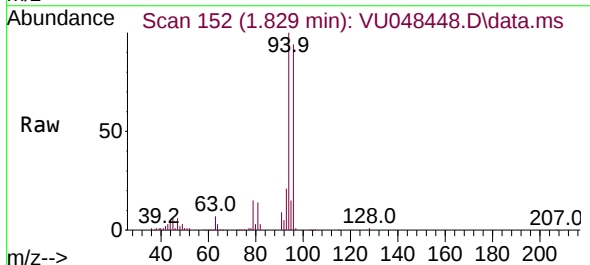
Instrument :
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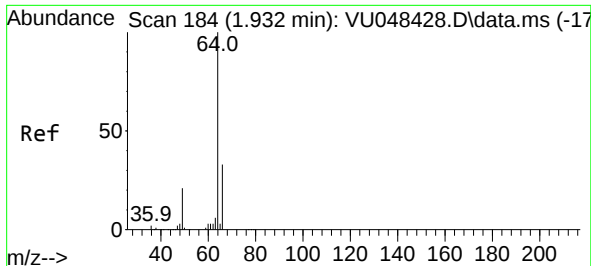
Tgt Ion: 62 Resp: 111774
 Ion Ratio Lower Upper
 62 100
 64 35.6 22.5 41.7



#6
 Bromomethane
 Concen: 35.676 ug/L
 RT: 1.829 min Scan# 152
 Delta R.T. -0.029 min
 Lab File: VU048448.D
 Acq: 05 May 2022 19:33

Tgt Ion: 94 Resp: 47965
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.8 122.2

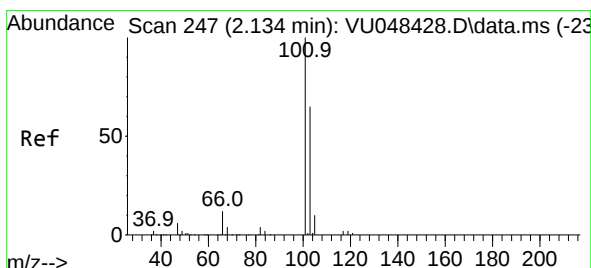
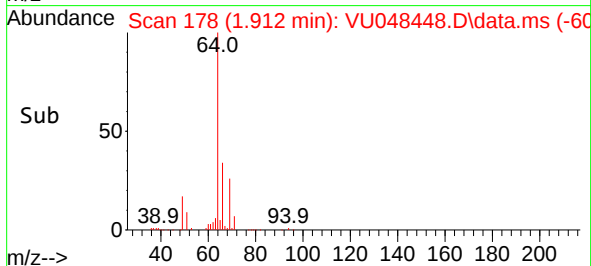
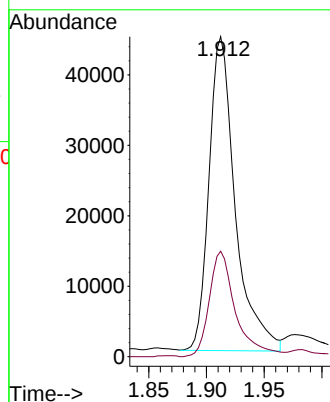
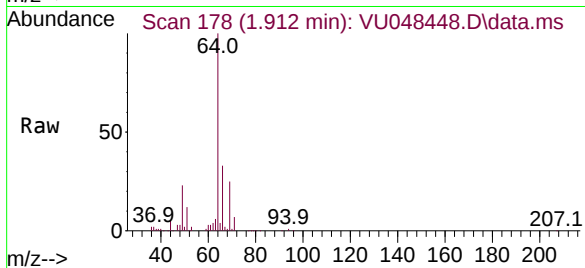




#8
Chloroethane
Concen: 42.644 ug/L
RT: 1.912 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

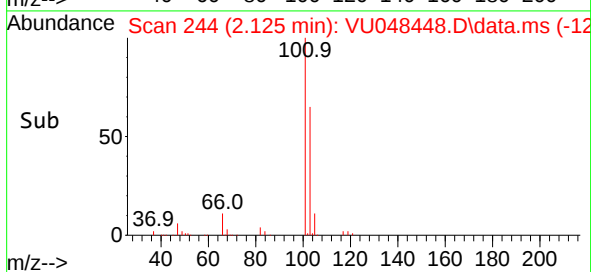
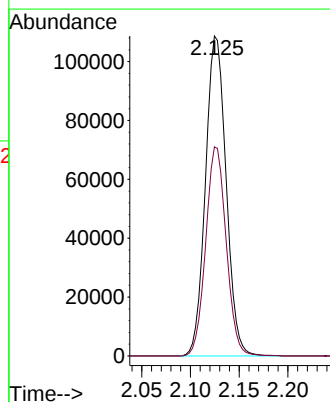
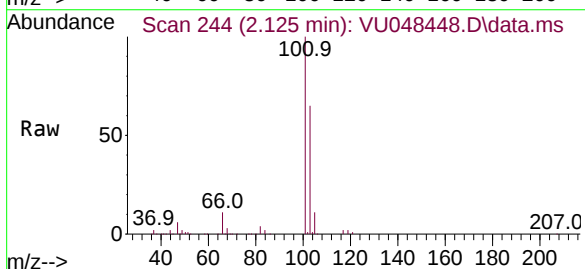
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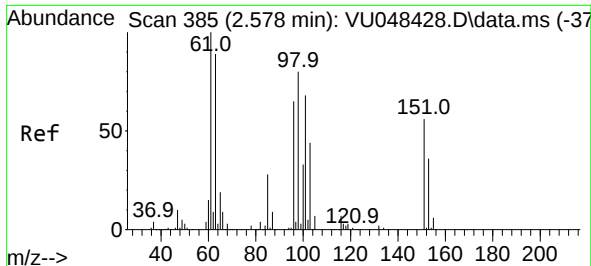
Tgt Ion: 64 Resp: 70539
Ion Ratio Lower Upper
64 100
66 33.0 21.9 40.7



#9
Trichlorofluoromethane
Concen: 42.063 ug/L
RT: 2.125 min Scan# 244
Delta R.T. -0.010 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion:101 Resp: 160360
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9





#10

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

Concen: 43.212 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

EXL87MS

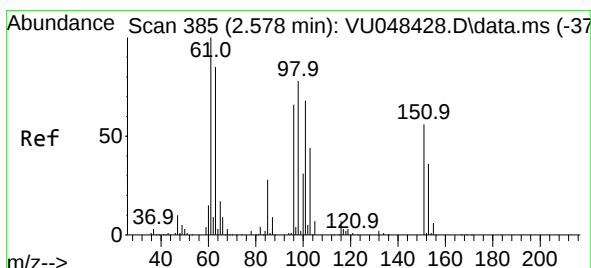
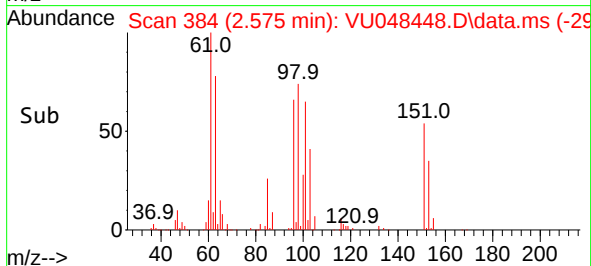
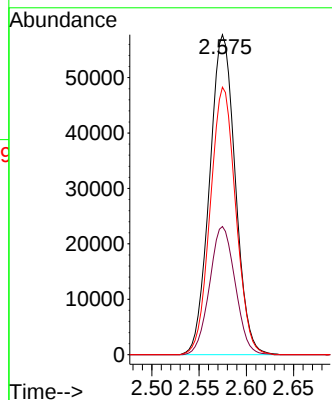
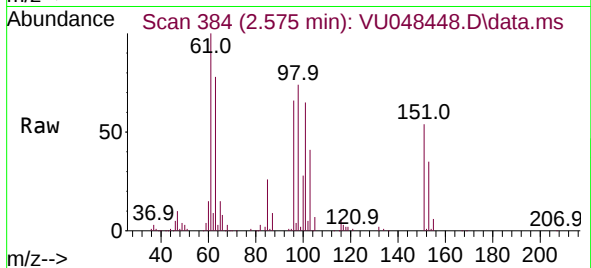
Tgt Ion:101 Resp: 109264

Ion Ratio Lower Upper

101 100

85 39.9 32.6 48.8

151 83.0 64.1 96.1



#12

1,1-Dichloroethene

Concen: 42.838 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

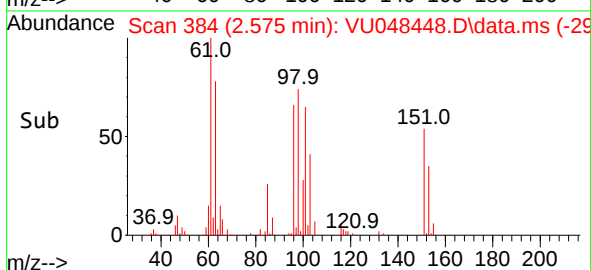
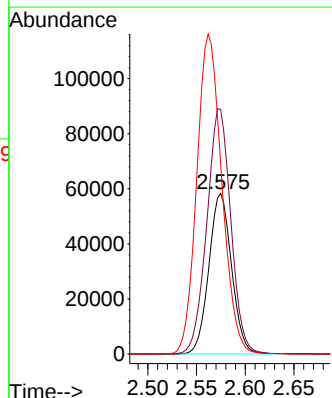
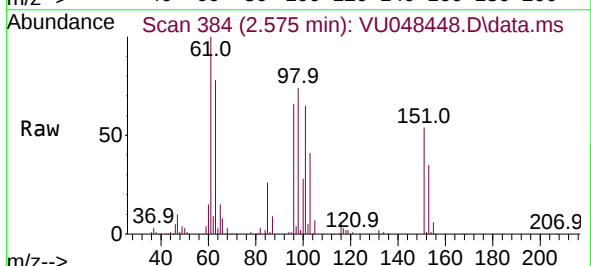
Tgt Ion: 96 Resp: 94549

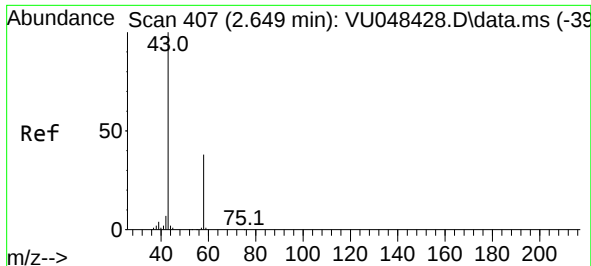
Ion Ratio Lower Upper

96 100

61 152.3 107.9 200.3

63 118.4 80.3 149.1





#13

Acetone

Concen: 81.338 ug/L

RT: 2.626 min Scan# 407

Delta R.T. -0.023 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

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ClientSampleId :

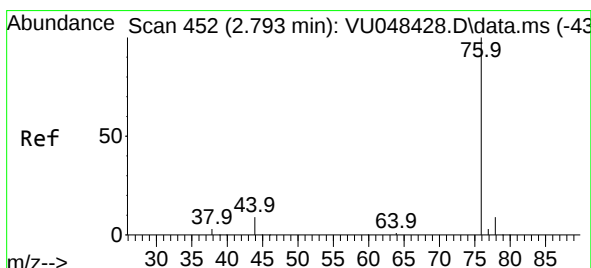
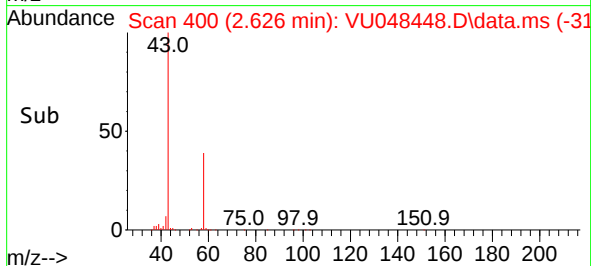
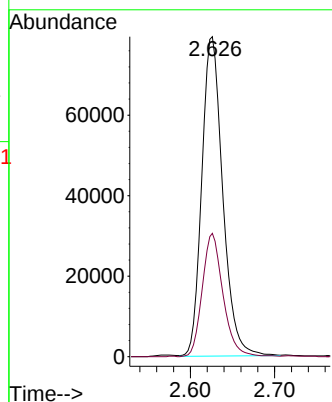
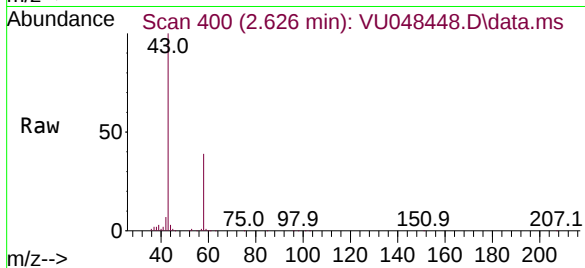
EXL87MS

Tgt Ion: 43 Resp: 137467

Ion Ratio Lower Upper

43 100

58 38.1 0.0 71.2



#14

Carbon disulfide

Concen: 32.867 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU048448.D

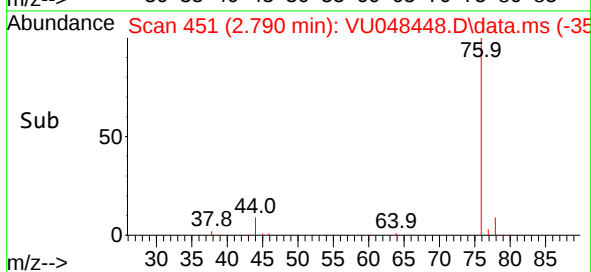
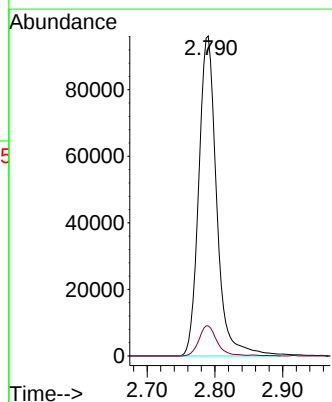
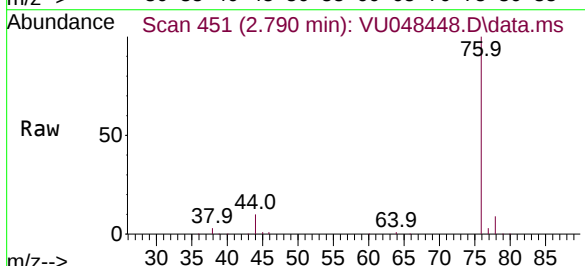
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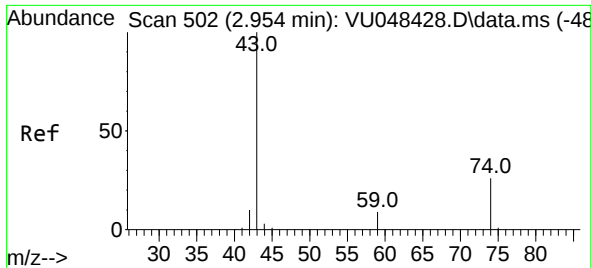
Tgt Ion: 76 Resp: 176798

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

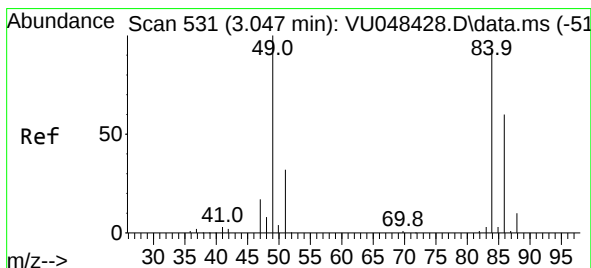
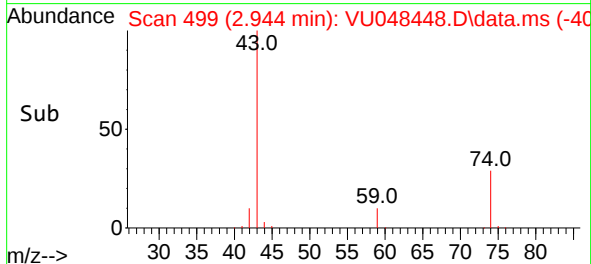
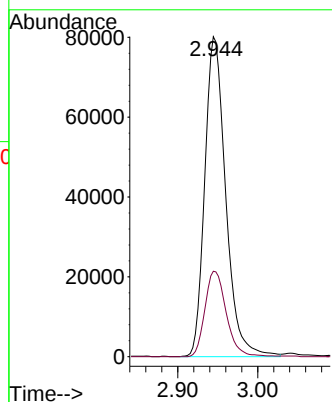
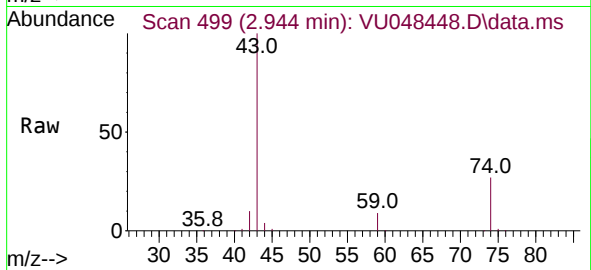




#15
Methyl Acetate
Concen: 43.679 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.010 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

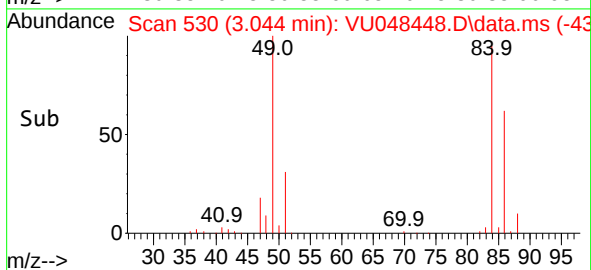
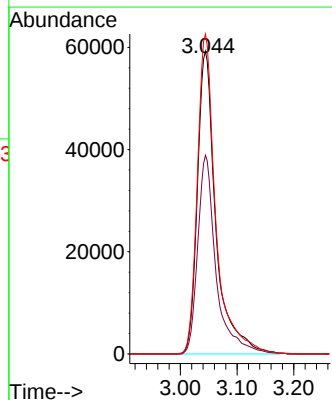
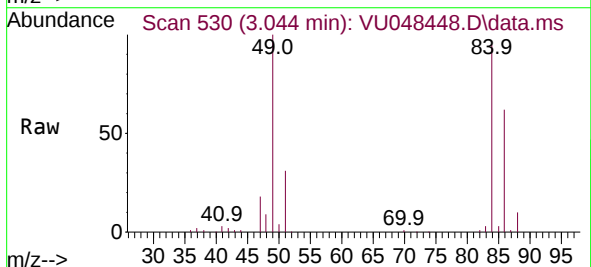
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

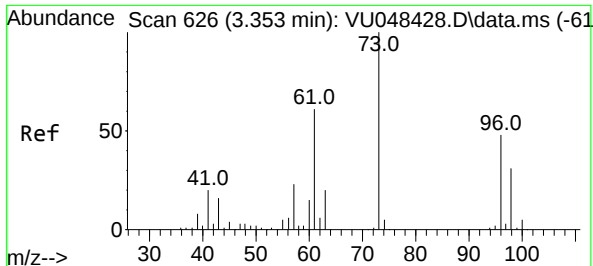
Tgt Ion: 43 Resp: 146539
Ion Ratio Lower Upper
43 100
74 27.2 21.0 31.6



#16
Methylene chloride
Concen: 47.260 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion: 84 Resp: 134479
Ion Ratio Lower Upper
84 100
86 65.6 45.4 84.2
49 105.7 79.2 147.0





#17

trans-1,2-Dichloroethene

Concen: 44.581 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

EXL87MS

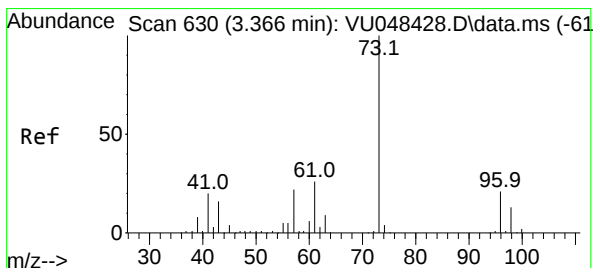
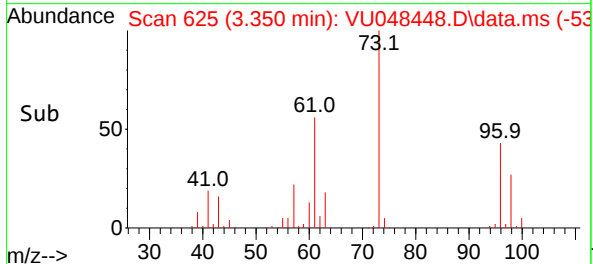
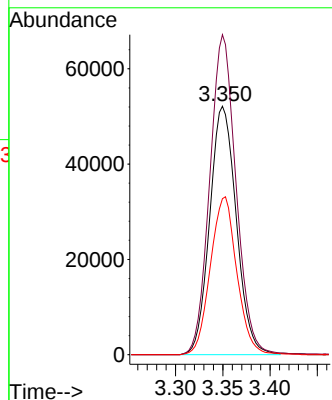
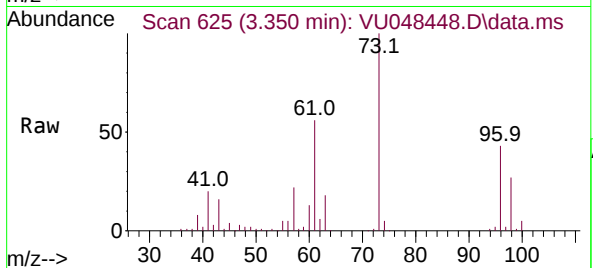
Tgt Ion: 96 Resp: 102220

Ion Ratio Lower Upper

96 100

61 128.8 95.2 176.8

98 62.8 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 52.804 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

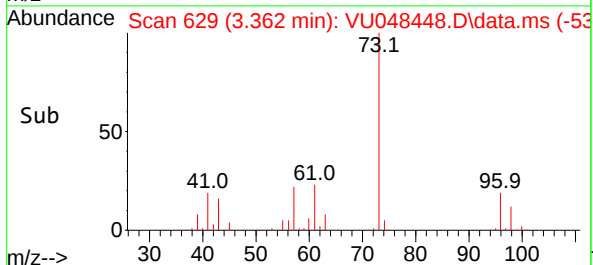
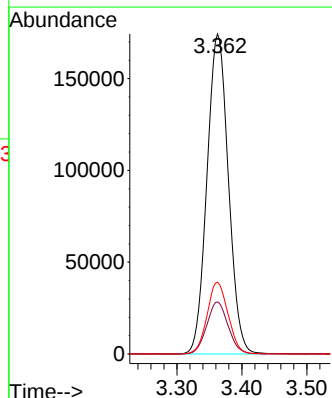
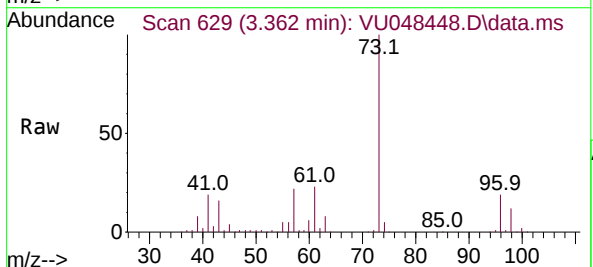
Tgt Ion: 73 Resp: 399475

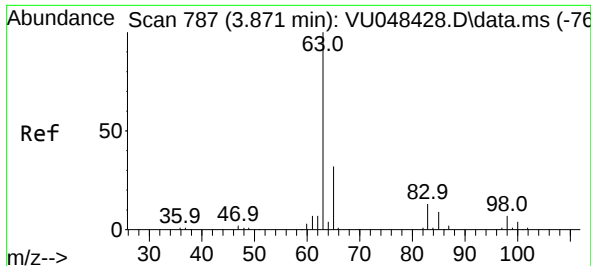
Ion Ratio Lower Upper

73 100

43 16.0 13.8 20.6

57 22.0 17.9 26.9





#19

1,1-Dichloroethane

Concen: 46.640 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

EXL87MS

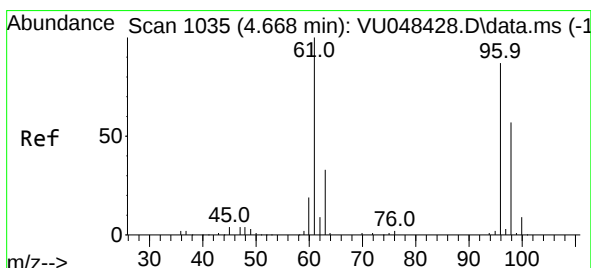
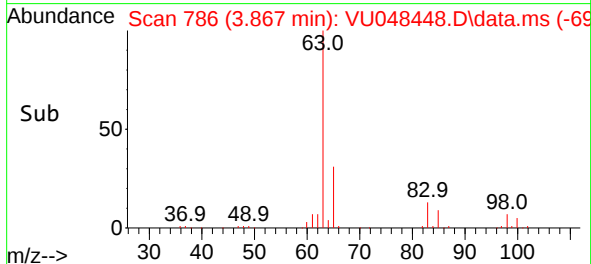
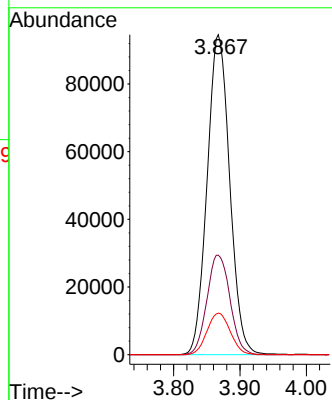
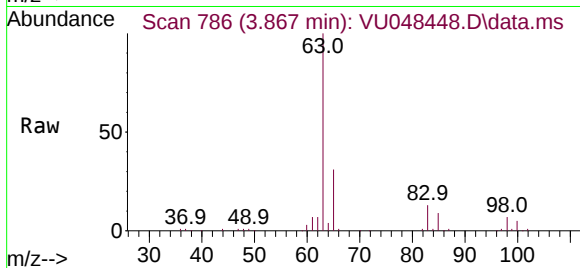
Tgt Ion: 63 Resp: 223627

Ion Ratio Lower Upper

63 100

65 31.1 22.0 40.8

83 13.0 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 49.040 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

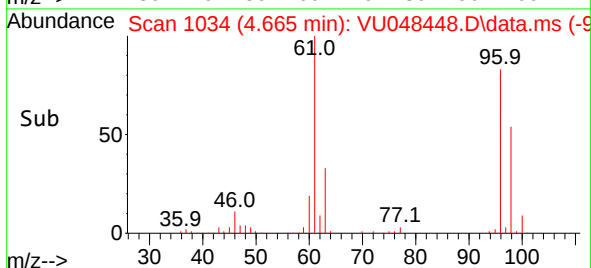
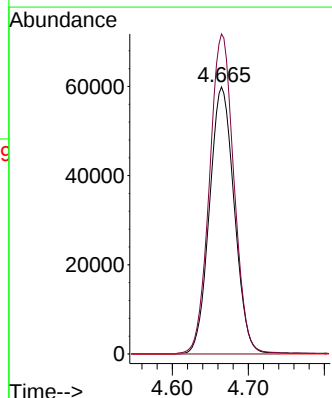
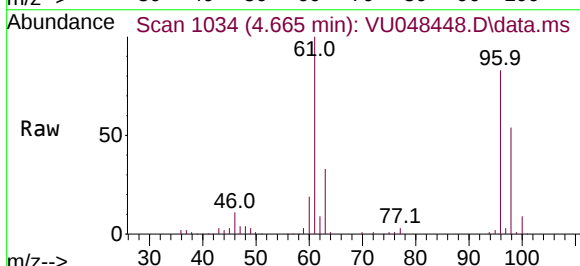
Tgt Ion: 96 Resp: 135537

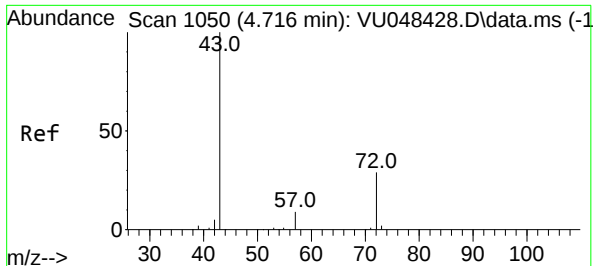
Ion Ratio Lower Upper

96 100

61 119.8 87.0 161.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.025 ug/L

RT: 4.700 min Scan# 110

Delta R.T. -0.016 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

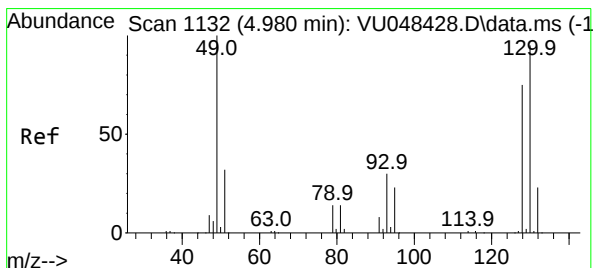
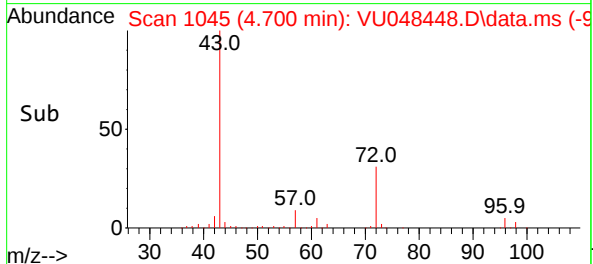
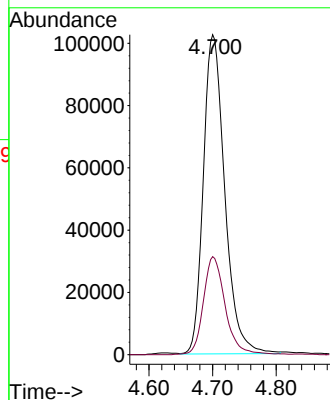
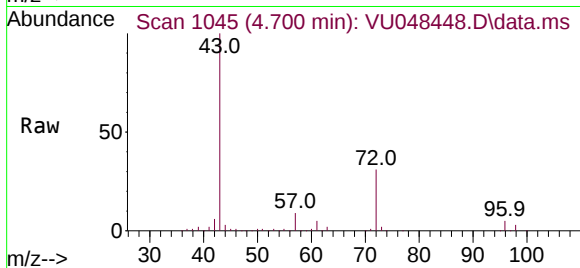
EXL87MS

Tgt Ion: 43 Resp: 239983

Ion Ratio Lower Upper

43 100

72 31.2 14.6 43.8



#23

Bromochloromethane

Concen: 50.085 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Tgt Ion:128 Resp: 77284

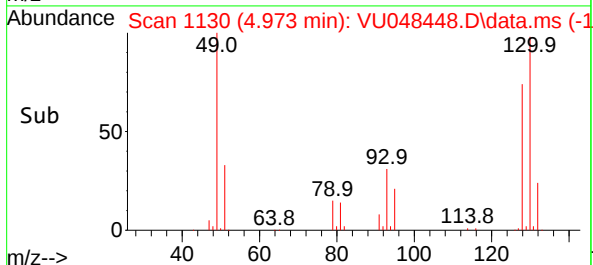
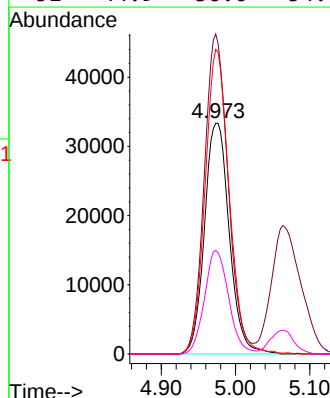
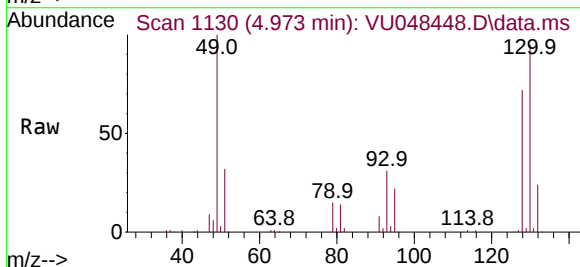
Ion Ratio Lower Upper

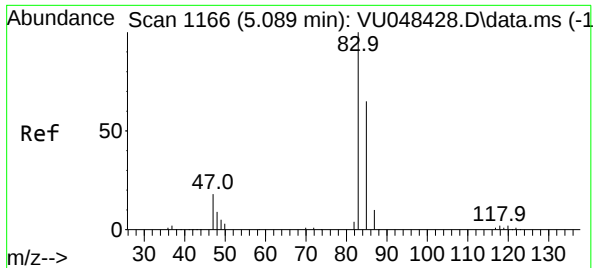
128 100

49 138.7 101.3 188.1

130 131.9 89.0 165.2

51 44.9 36.0 54.0





#25

Chloroform

Concen: 48.458 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

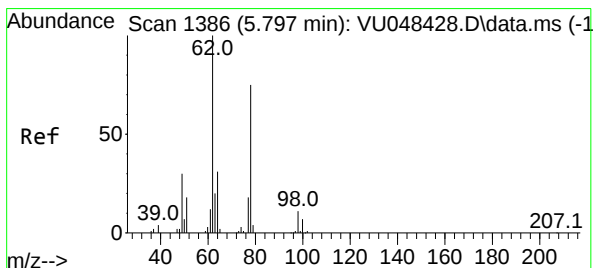
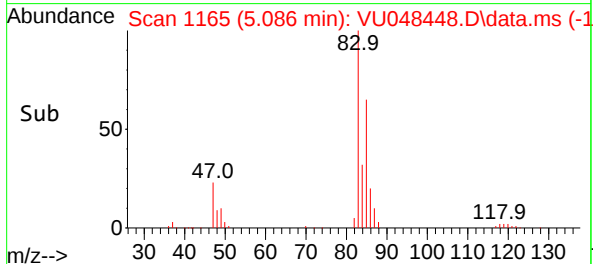
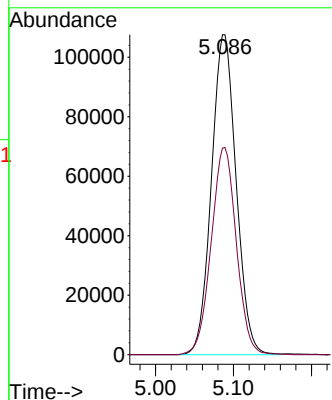
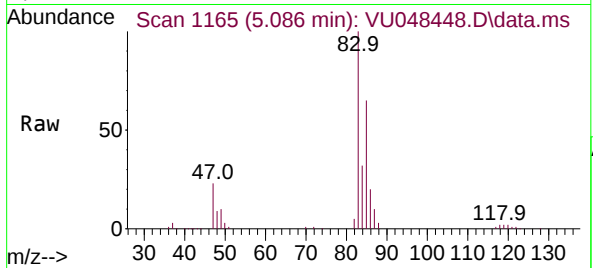
EXL87MS

Tgt Ion: 83 Resp: 237258

Ion Ratio Lower Upper

83 100

85 64.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 46.052 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU048448.D

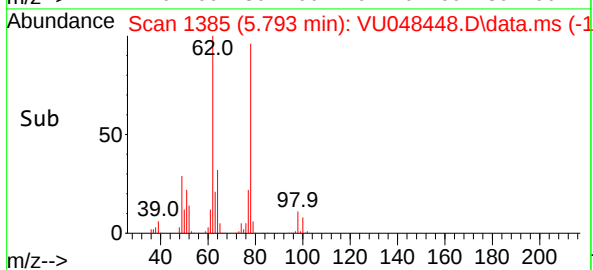
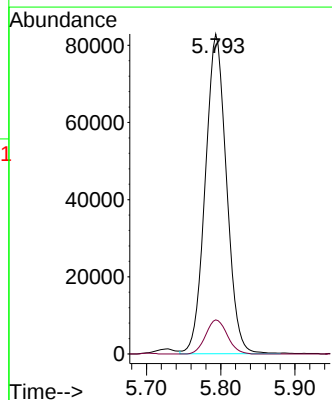
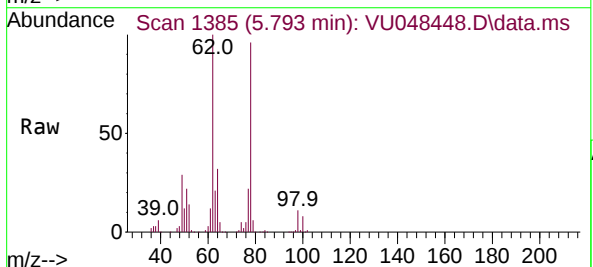
Acq: 05 May 2022 19:33

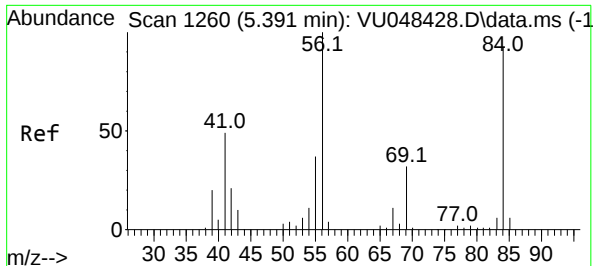
Tgt Ion: 62 Resp: 164463

Ion Ratio Lower Upper

62 100

98 10.7 8.5 12.7





#29

Cyclohexane

Concen: 43.885 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

EXL87MS

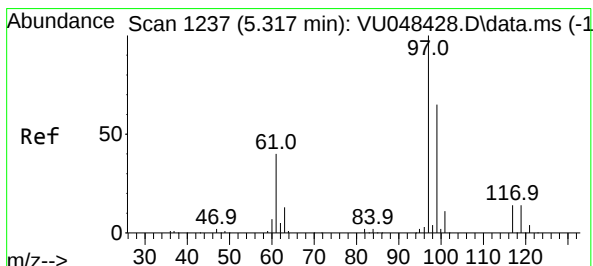
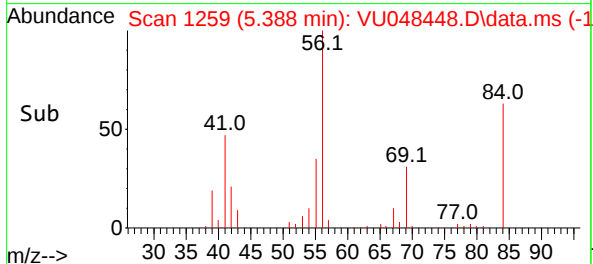
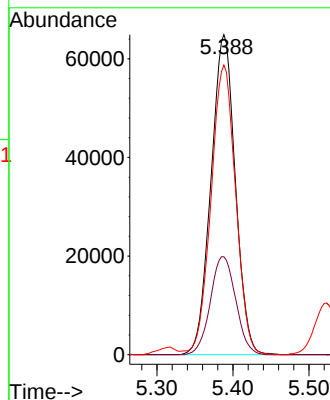
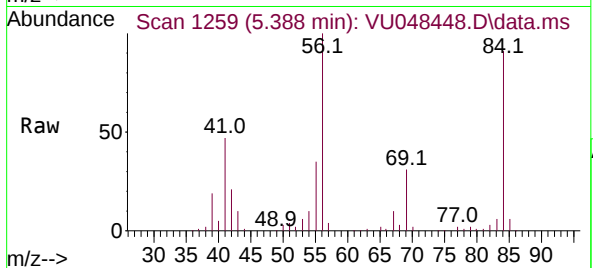
Tgt Ion: 56 Resp: 144113

Ion Ratio Lower Upper

56 100

69 31.9 24.2 36.4

84 91.4 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 48.140 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

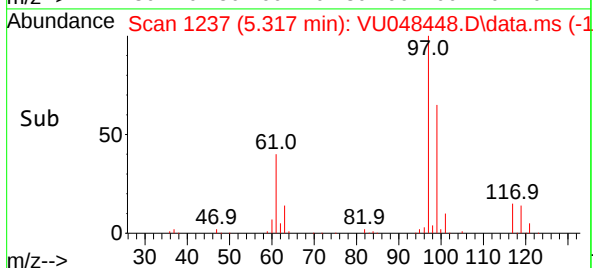
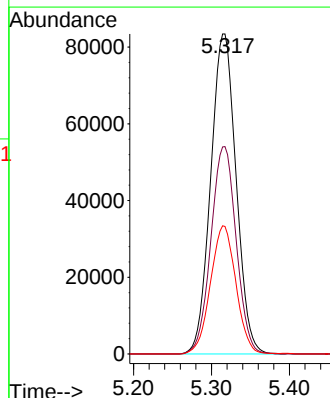
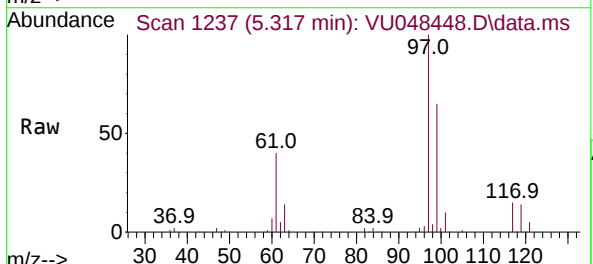
Tgt Ion: 97 Resp: 189209

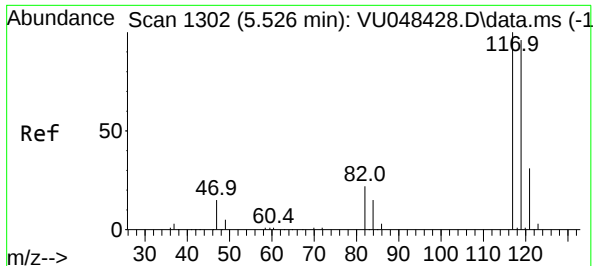
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

61 40.1 33.9 50.9

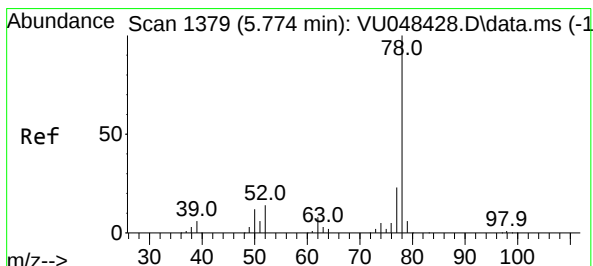
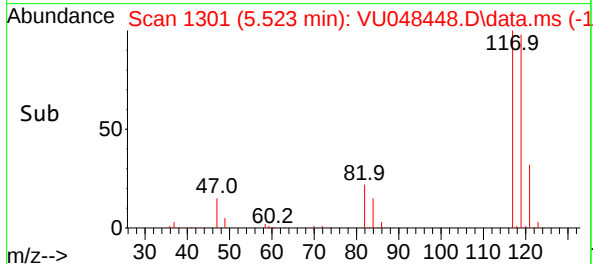
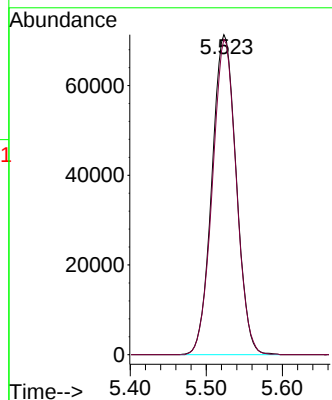
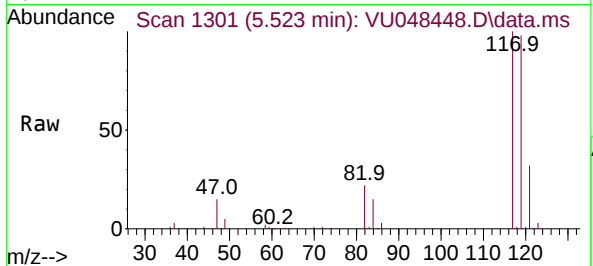




#31
Carbon tetrachloride
Concen: 47.287 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

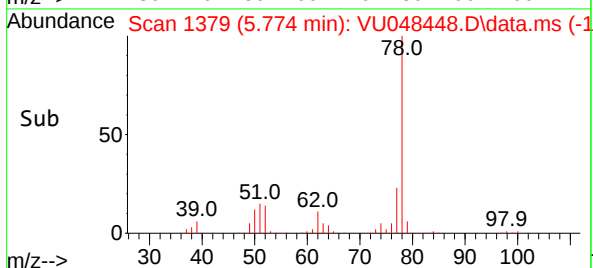
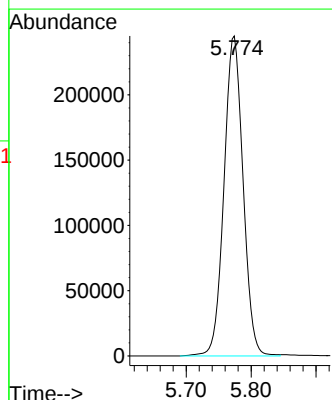
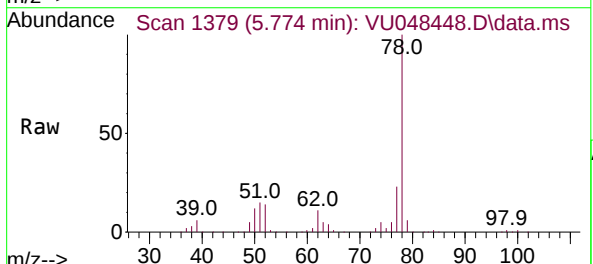
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

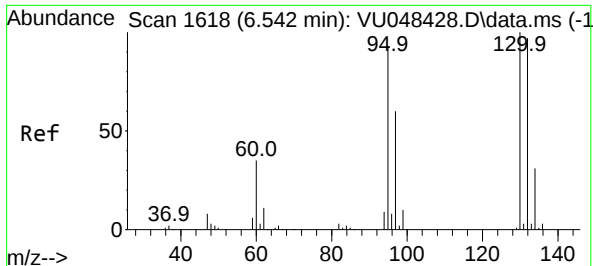
Tgt Ion:117 Resp: 158406
Ion Ratio Lower Upper
117 100
119 96.7 77.1 115.7



#33
Benzene
Concen: 48.448 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion: 78 Resp: 498549

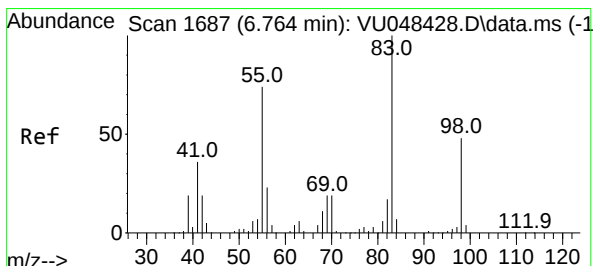
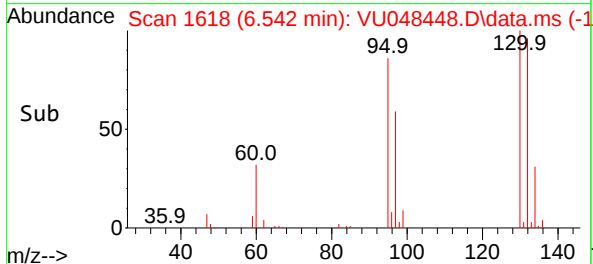
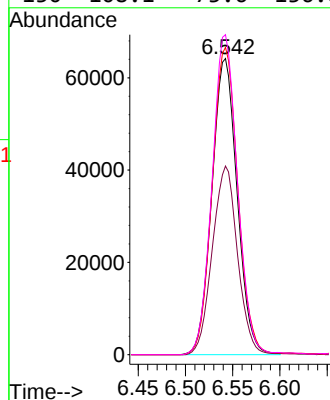
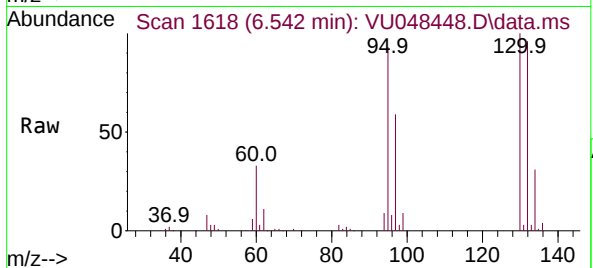




#34
Trichloroethene
Concen: 47.408 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

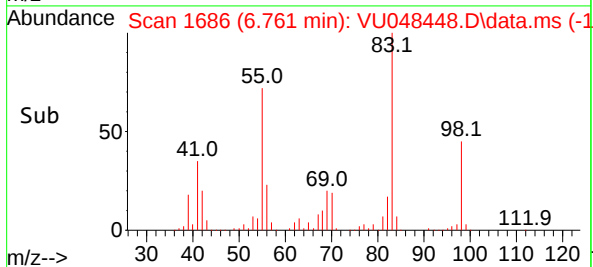
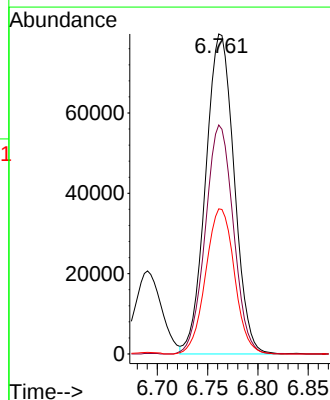
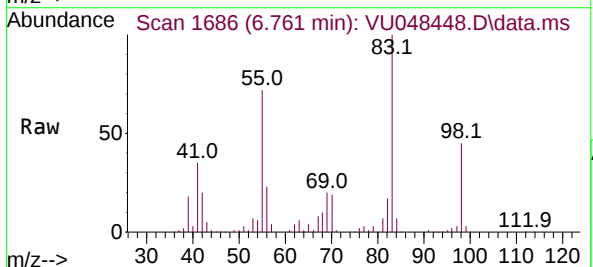
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

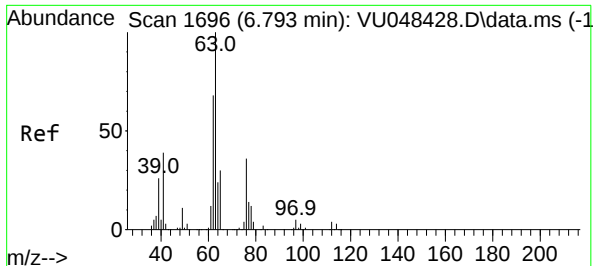
Tgt Ion: 95 Resp: 119576
Ion Ratio Lower Upper
95 100
97 63.7 45.8 85.2
132 103.8 71.6 133.0
130 108.1 73.6 136.8



#35
Methylcyclohexane
Concen: 44.409 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion: 83 Resp: 157260
Ion Ratio Lower Upper
83 100
55 70.4 59.4 89.2
98 45.7 37.3 55.9





#37

1,2-Dichloropropane

Concen: 51.064 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

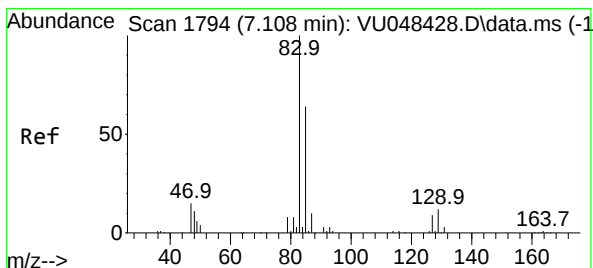
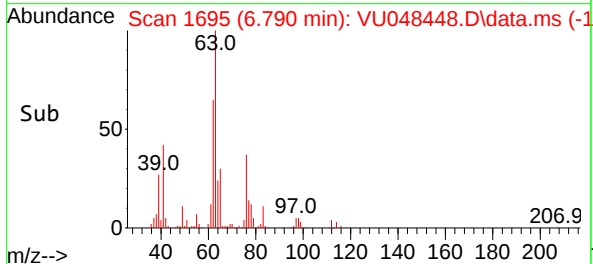
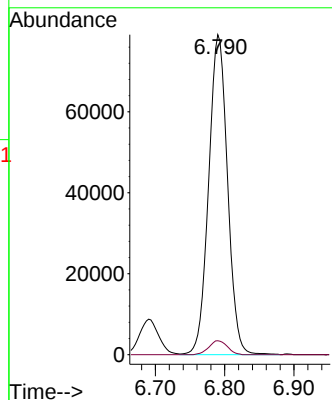
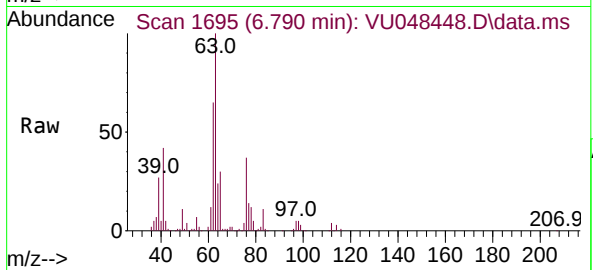
EXL87MS

Tgt Ion: 63 Resp: 149503

Ion Ratio Lower Upper

63 100

112 4.3 3.1 4.7



#38

Bromodichloromethane

Concen: 47.868 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

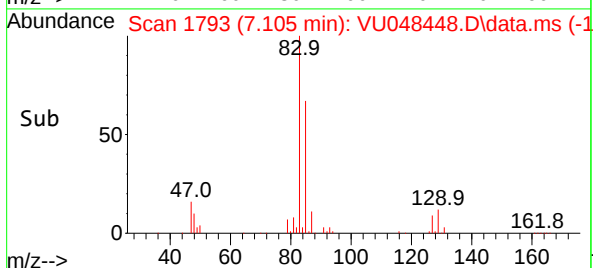
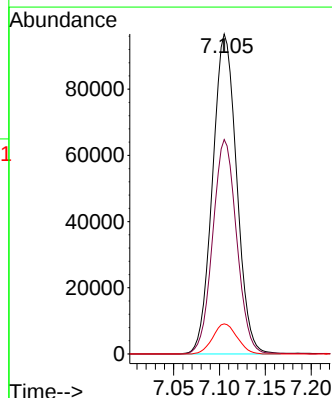
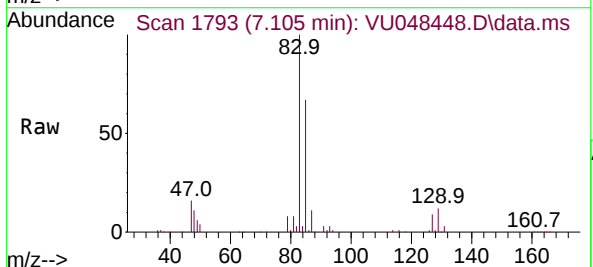
Tgt Ion: 83 Resp: 176986

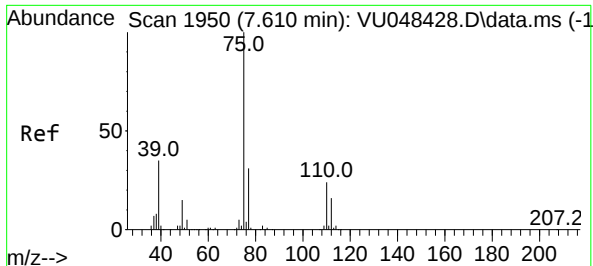
Ion Ratio Lower Upper

83 100

85 67.0 45.3 84.1

127 9.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 49.954 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

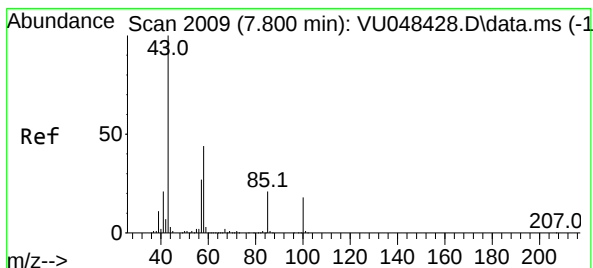
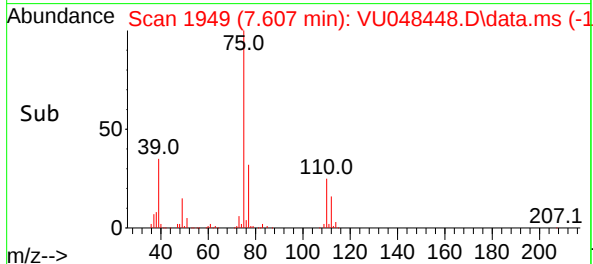
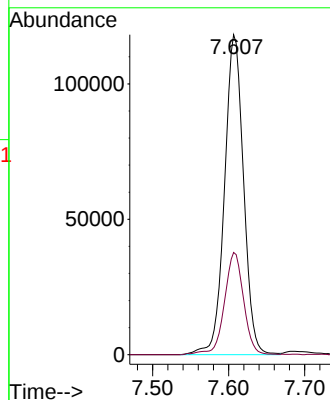
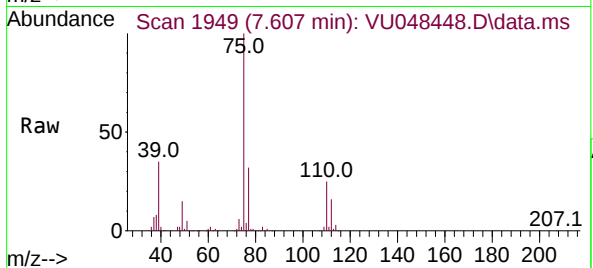
EXL87MS

Tgt Ion: 75 Resp: 205657

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 108.264 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.006 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

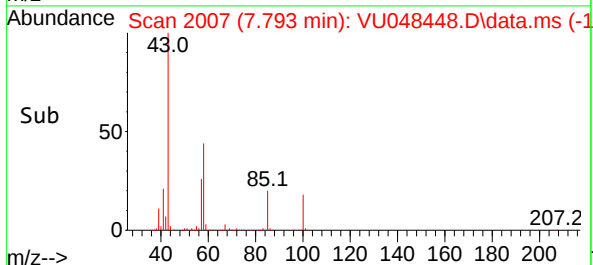
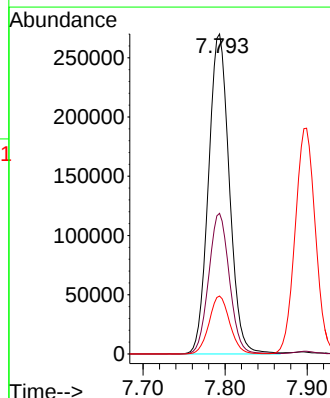
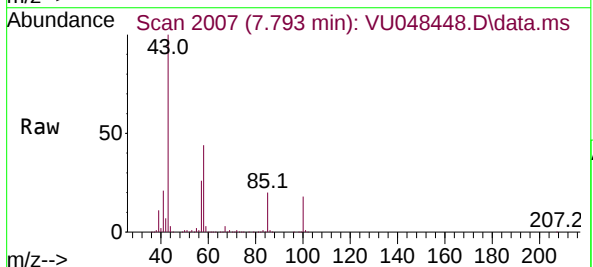
Tgt Ion: 43 Resp: 478079

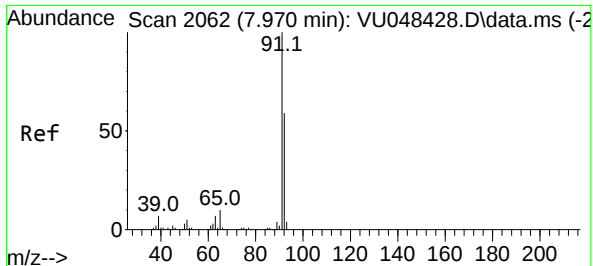
Ion Ratio Lower Upper

43 100

58 43.8 34.4 51.6

100 18.0 13.6 20.4





#42

Toluene

Concen: 49.387 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

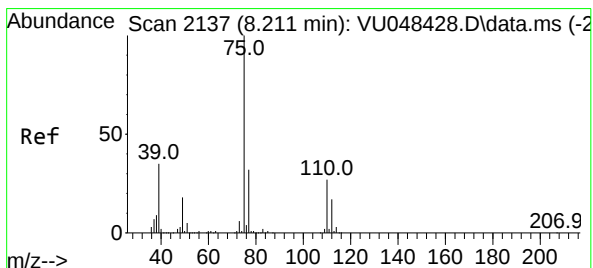
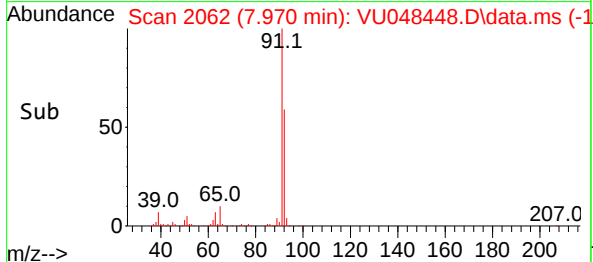
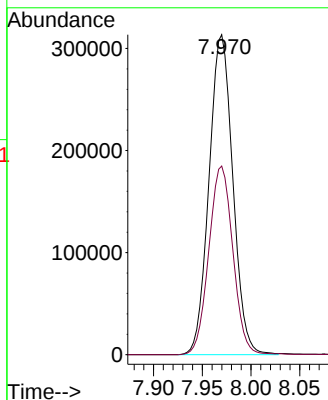
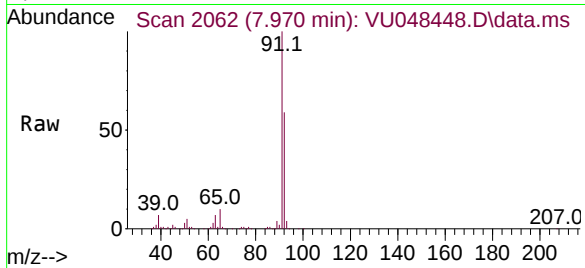
EXL87MS

Tgt Ion: 91 Resp: 533572

Ion Ratio Lower Upper

91 100

92 59.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 49.440 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048448.D

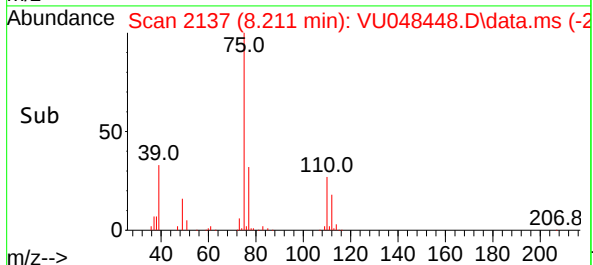
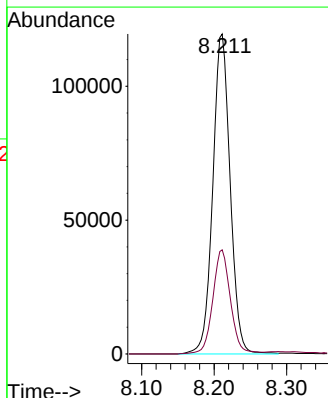
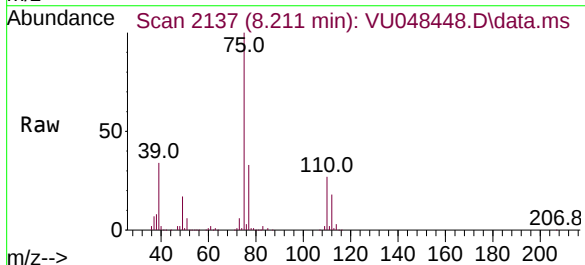
Acq: 05 May 2022 19:33

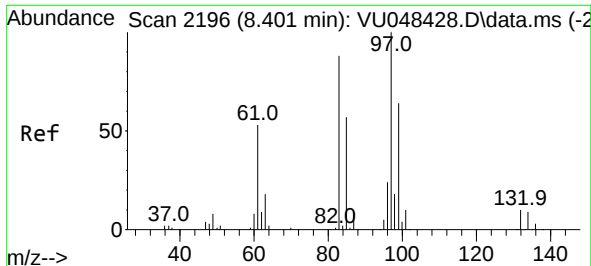
Tgt Ion: 75 Resp: 198845

Ion Ratio Lower Upper

75 100

77 32.5 22.1 41.1

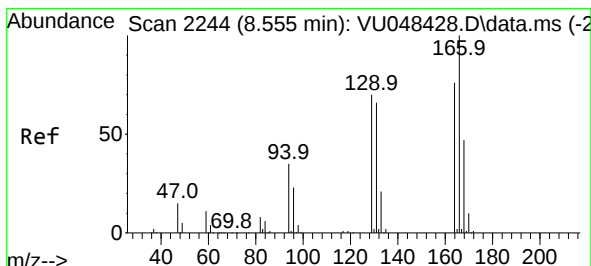
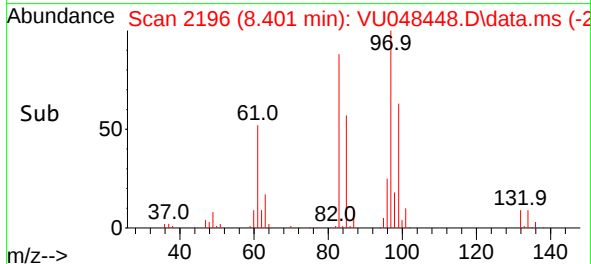
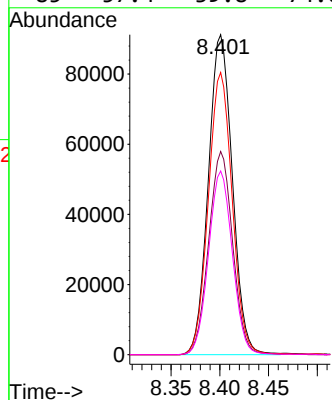
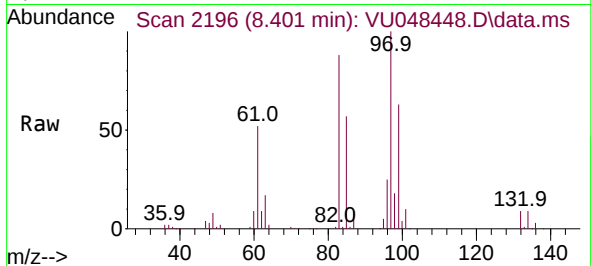




#45
1,1,2-Trichloroethane
Concen: 50.997 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

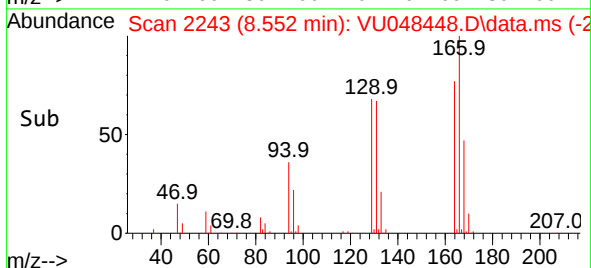
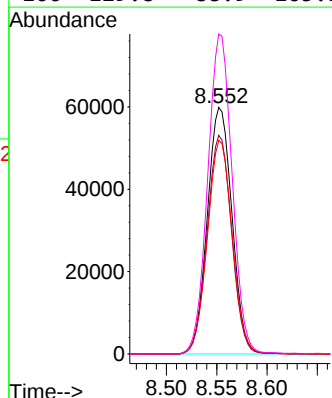
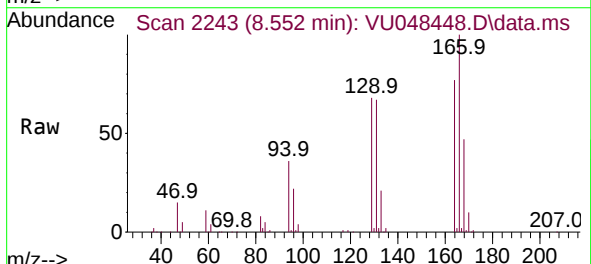
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

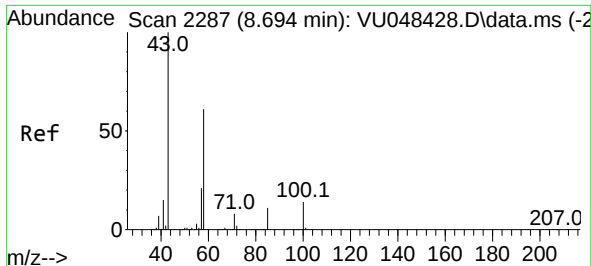
Tgt Ion:	97	Resp:	156650
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.7	81.1
83	88.2	62.6	116.2
85	57.4	39.8	74.0



#46
Tetrachloroethene
Concen: 47.253 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion:	164	Resp:	102290
Ion	Ratio	Lower	Upper
164	100		
129	88.7	63.3	117.7
131	86.6	61.2	113.6
166	129.8	88.9	165.1

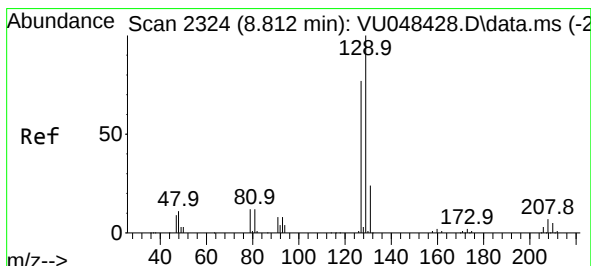
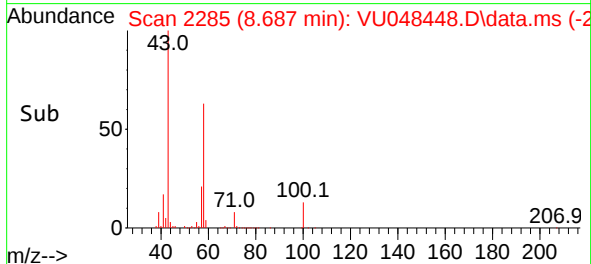
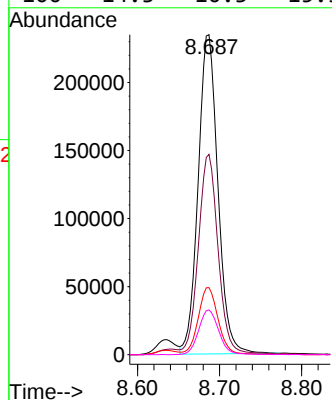
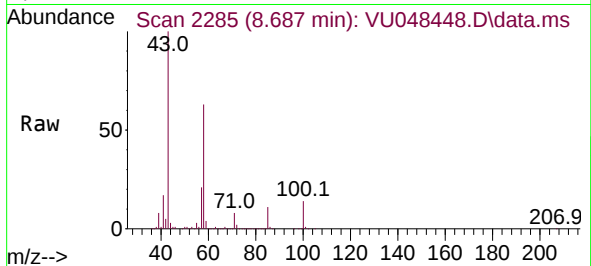




#48
2-Hexanone
Concen: 106.643 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

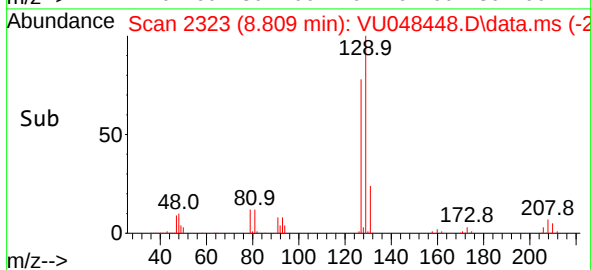
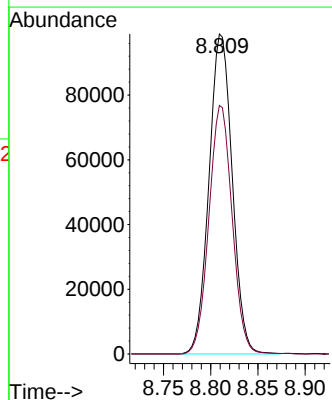
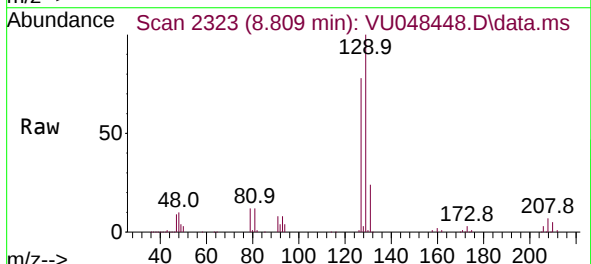
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

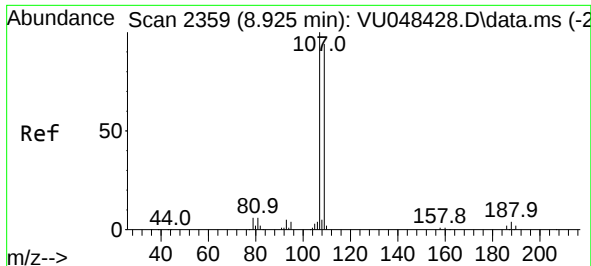
Tgt Ion: 43 Resp: 393249
Ion Ratio Lower Upper
43 100
58 62.3 48.1 72.1
57 21.4 16.2 24.4
100 14.3 10.3 15.5



#49
Dibromochloromethane
Concen: 50.144 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion: 129 Resp: 169255
Ion Ratio Lower Upper
129 100
127 77.7 53.8 99.8

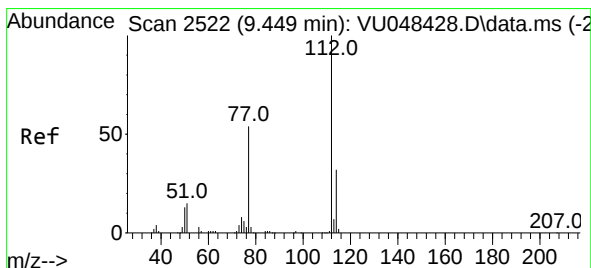
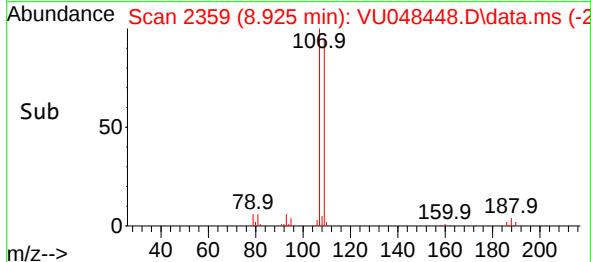
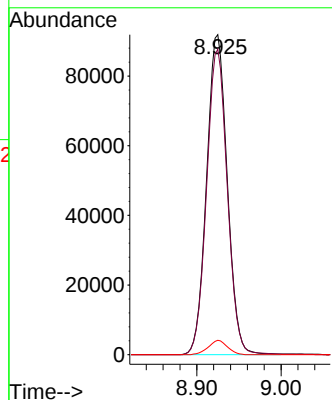
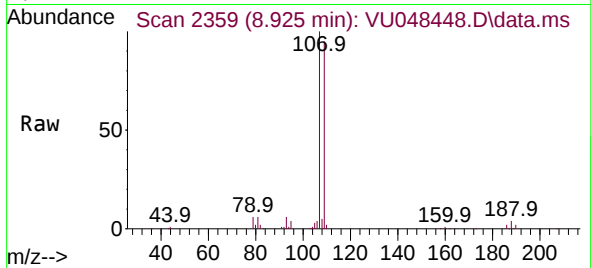




#50
1,2-Dibromoethane
Concen: 50.414 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

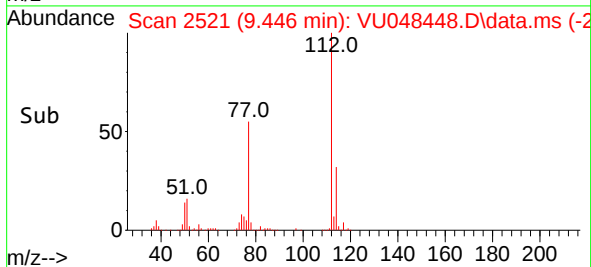
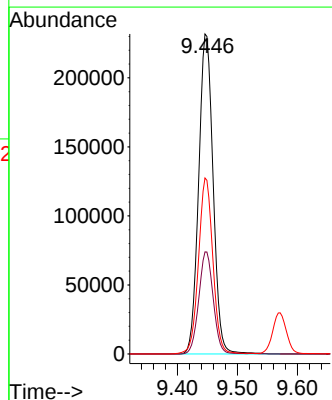
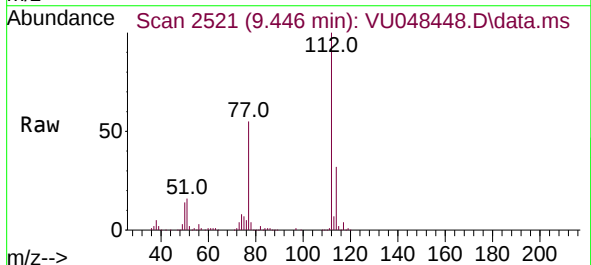
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

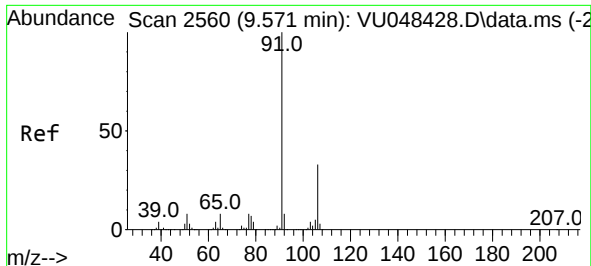
Tgt Ion:107 Resp: 157040
Ion Ratio Lower Upper
107 100
109 95.5 65.0 120.8
188 4.5 3.1 4.7



#51
Chlorobenzene
Concen: 49.965 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion:112 Resp: 389100
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.1
77 55.0 44.3 66.5

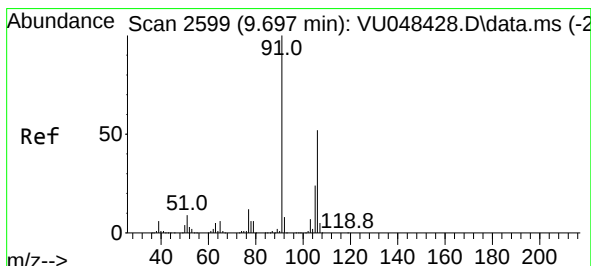
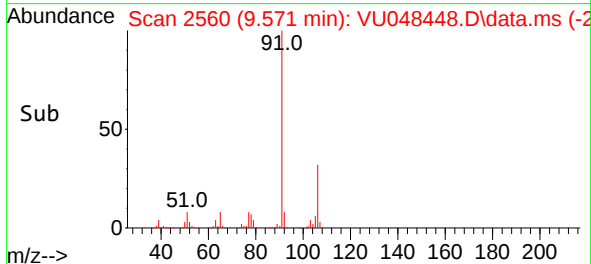
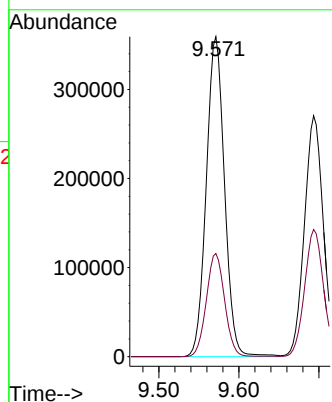
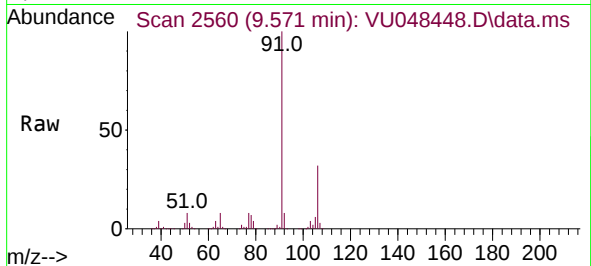




#52
Ethylbenzene
Concen: 50.957 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

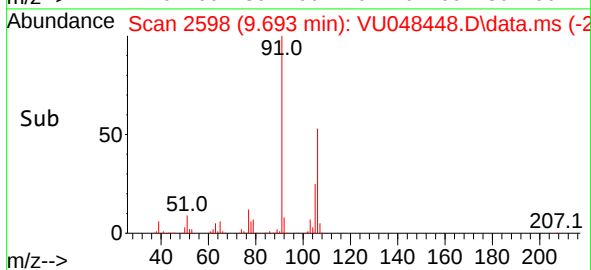
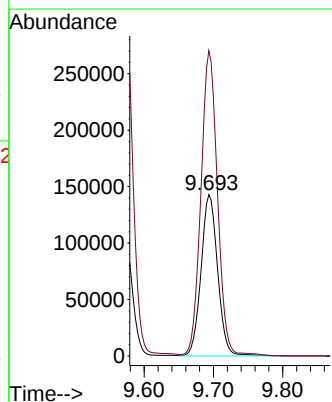
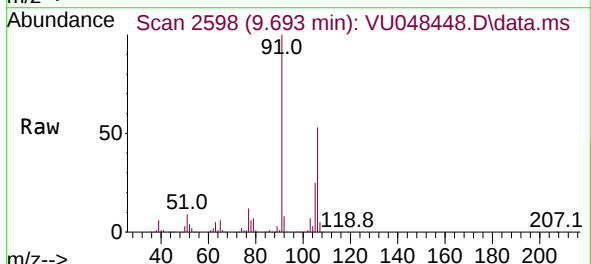
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

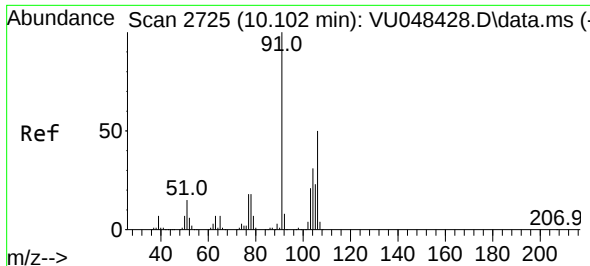
Tgt Ion: 91 Resp: 570150
Ion Ratio Lower Upper
91 100
106 32.3 22.5 41.9



#53
m,p-Xylene
Concen: 53.779 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion: 106 Resp: 237453
Ion Ratio Lower Upper
106 100
91 189.3 137.4 255.2

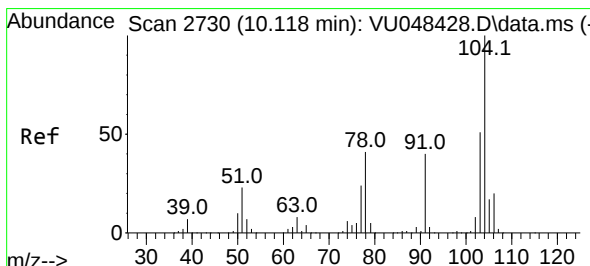
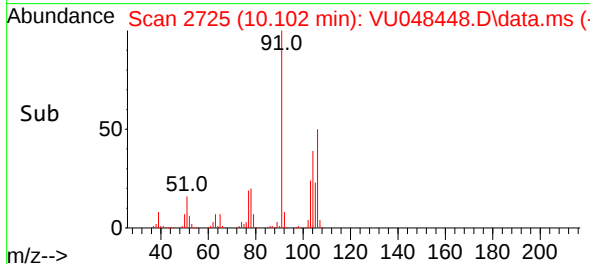
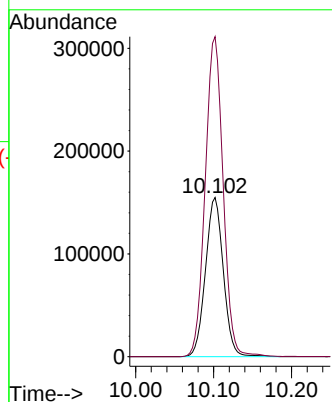
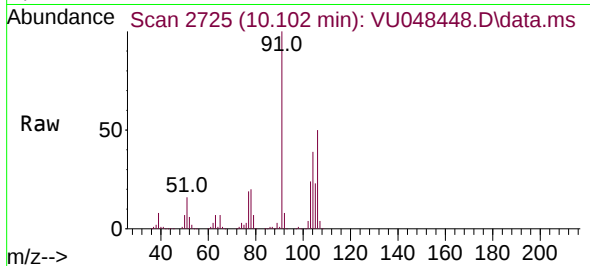




#54
o-Xylene
Concen: 55.538 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

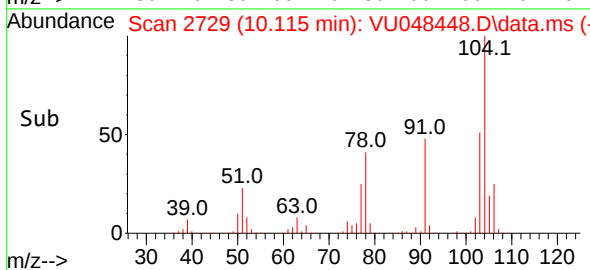
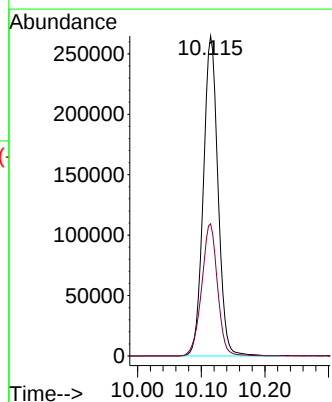
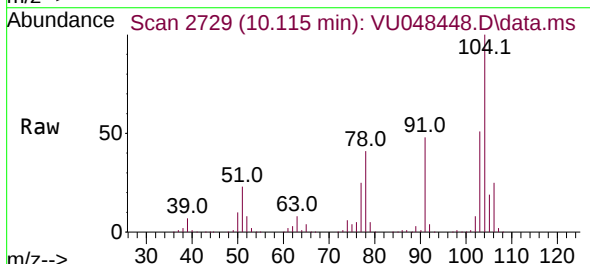
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

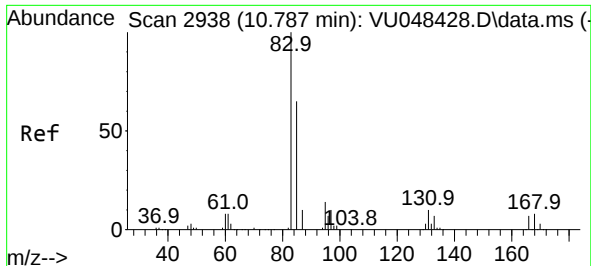
Tgt Ion:106 Resp: 247036
Ion Ratio Lower Upper
106 100
91 201.0 145.3 269.8



#55
Styrene
Concen: 55.869 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion:104 Resp: 423346
Ion Ratio Lower Upper
104 100
78 41.3 30.3 56.3

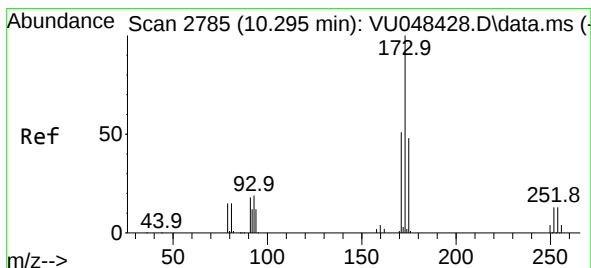
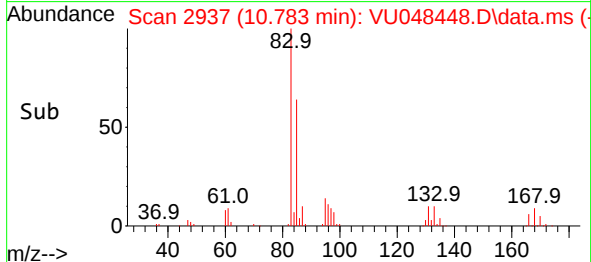
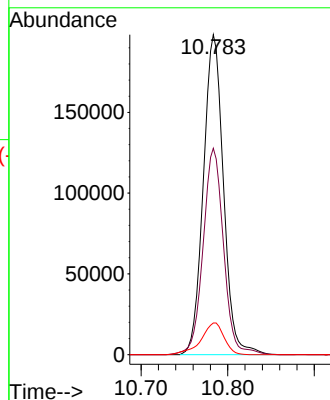
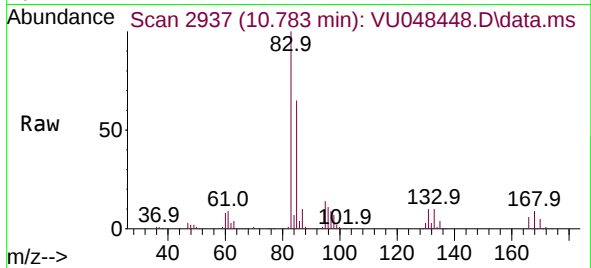




#57
1,1,2,2-Tetrachloroethane
Concen: 52.738 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

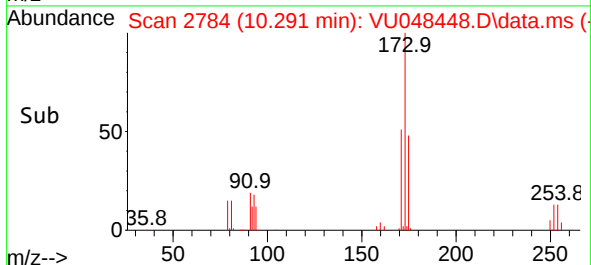
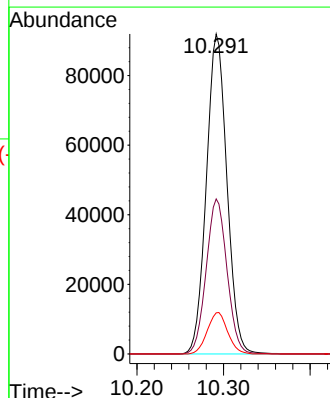
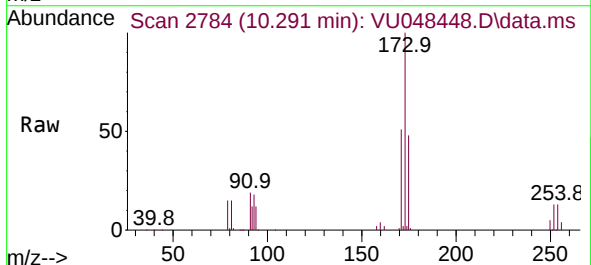
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

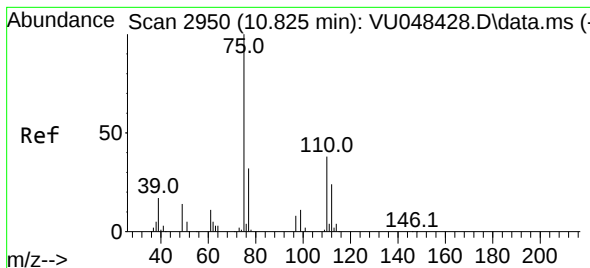
Tgt Ion: 83 Resp: 319723
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.7
131 9.9 7.8 11.6



#59
Bromoform
Concen: 52.290 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion:173 Resp: 151573
Ion Ratio Lower Upper
173 100
175 49.0 38.9 58.3
254 12.9 9.5 14.3





#60

1,2,3-Trichloropropane

Concen: 51.477 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

EXL87MS

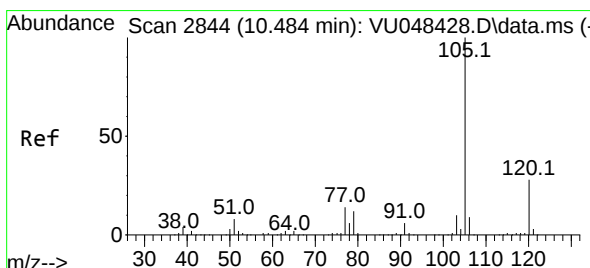
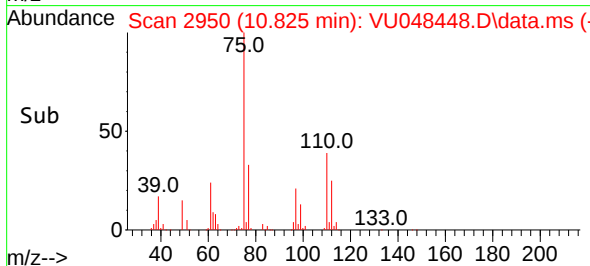
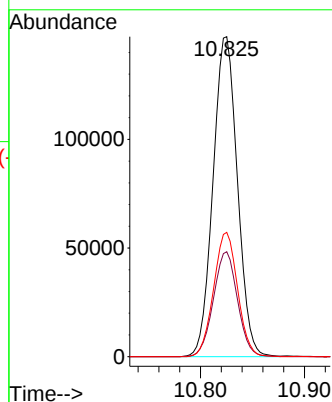
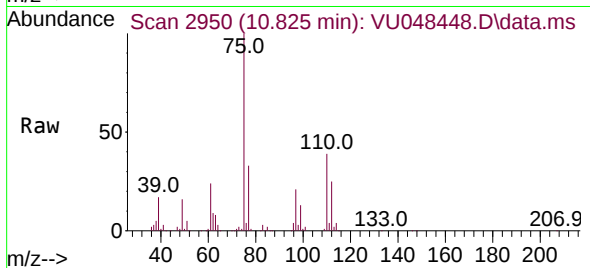
Tgt Ion: 75 Resp: 239857

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8

110 38.1 29.9 44.9



#61

Isopropylbenzene

Concen: 54.598 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

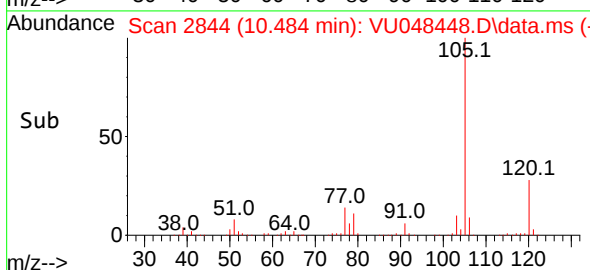
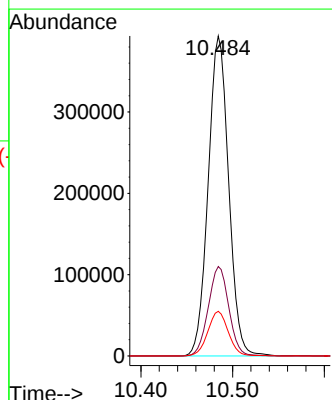
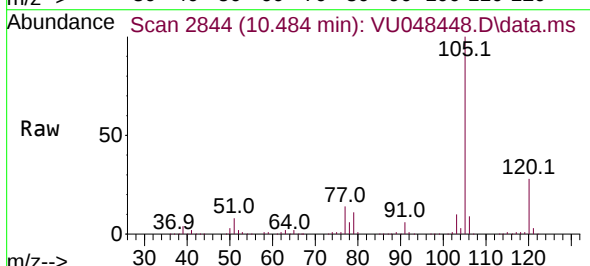
Tgt Ion: 105 Resp: 609740

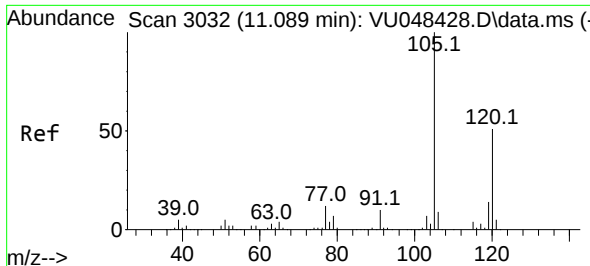
Ion Ratio Lower Upper

105 100

120 28.0 21.7 32.5

77 13.9 11.7 17.5

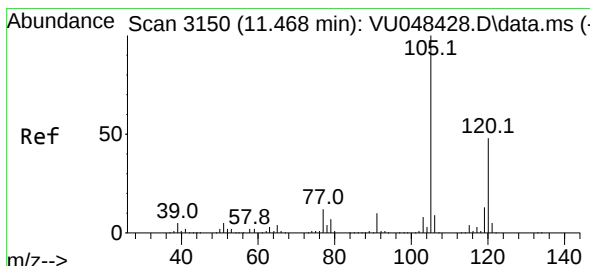
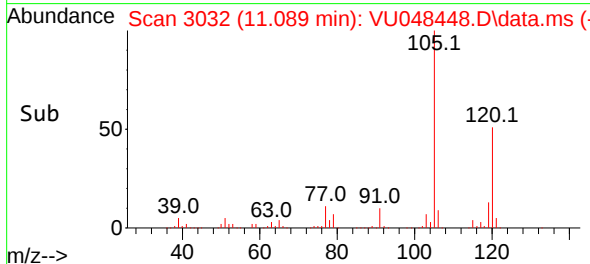
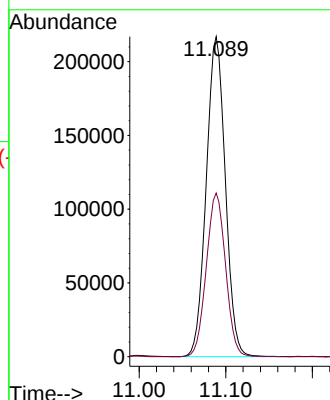
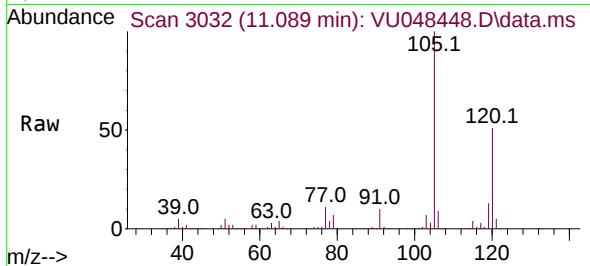




#62
 1,3,5-Trimethylbenzene
 Concen: 56.433 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU048448.D
 Acq: 05 May 2022 19:33

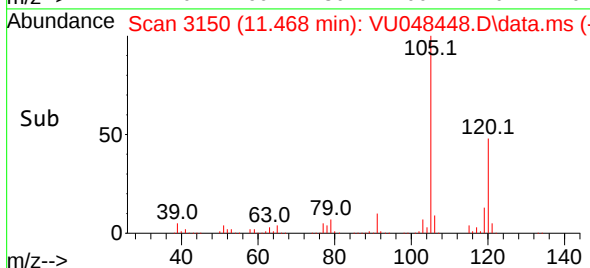
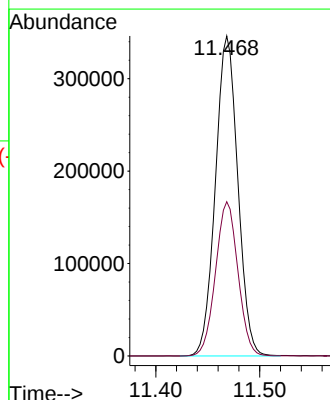
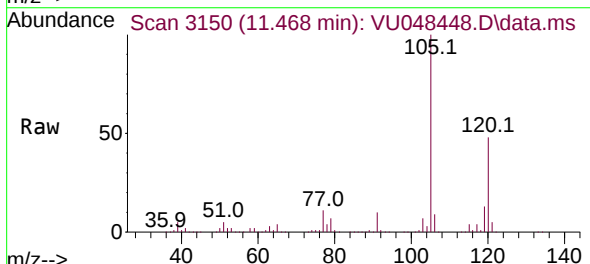
Instrument :
 MSVOA_U
 ClientSampleId :
 EXL87MS

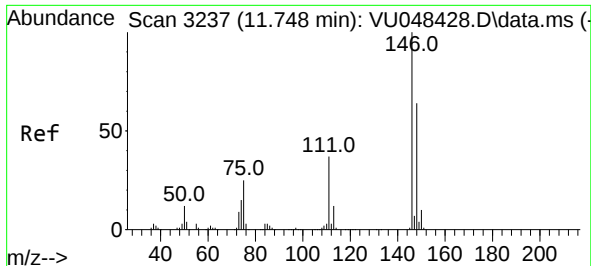
Tgt Ion:105 Resp: 332173
 Ion Ratio Lower Upper
 105 100
 120 51.6 40.7 61.1



#63
 1,2,4-Trimethylbenzene
 Concen: 57.314 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU048448.D
 Acq: 05 May 2022 19:33

Tgt Ion:105 Resp: 518673
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.0 57.0

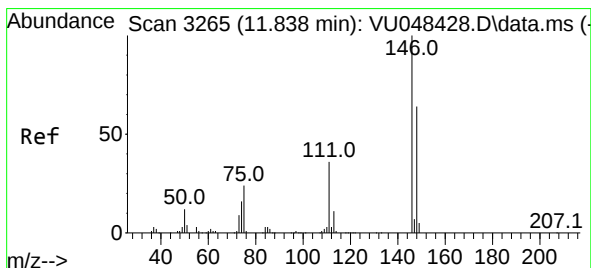
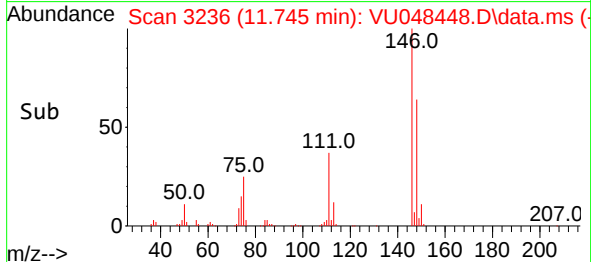
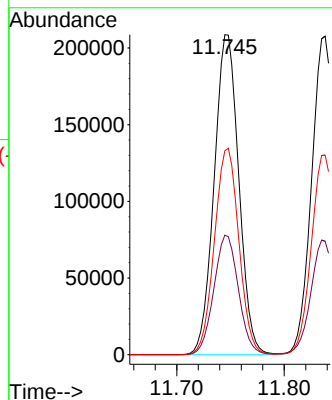
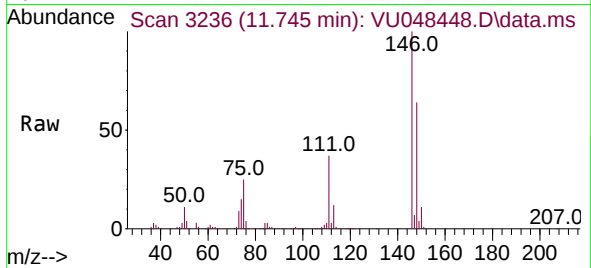




#64
1,3-Dichlorobenzene
Concen: 53.002 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

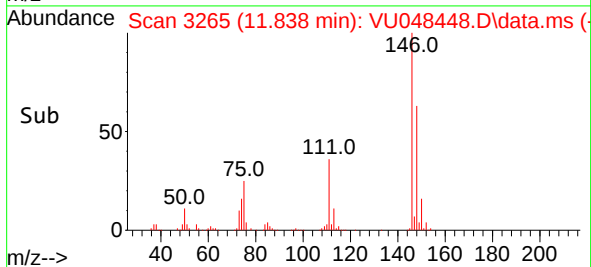
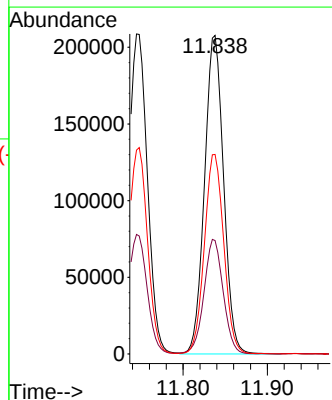
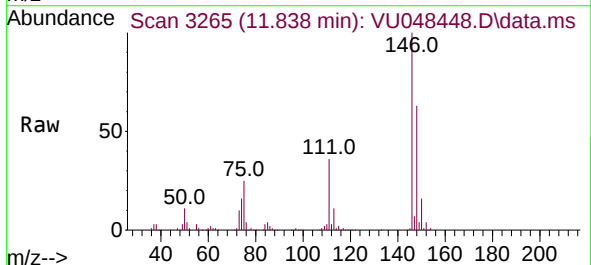
Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

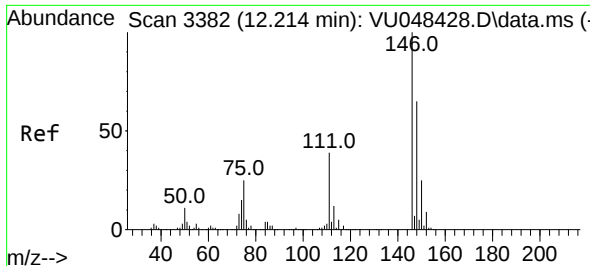
Tgt Ion:146 Resp: 331853
Ion Ratio Lower Upper
146 100
111 37.3 26.7 49.7
148 63.7 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 51.255 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion:146 Resp: 327616
Ion Ratio Lower Upper
146 100
111 35.6 25.9 48.1
148 62.6 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 53.051 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

EXL87MS

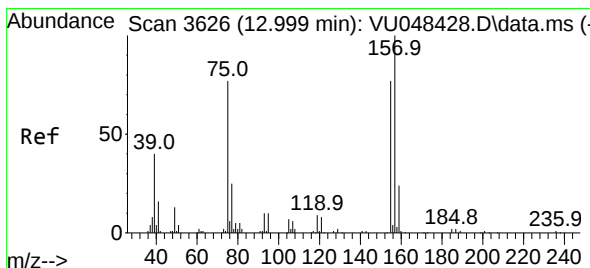
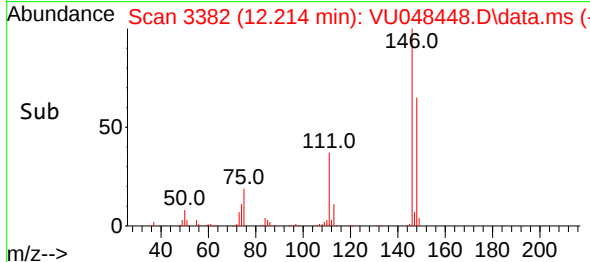
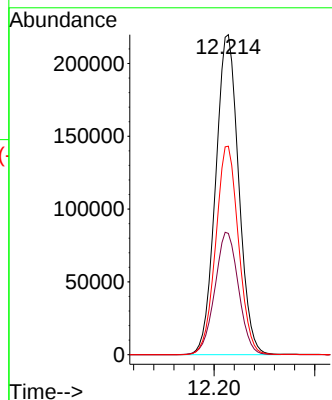
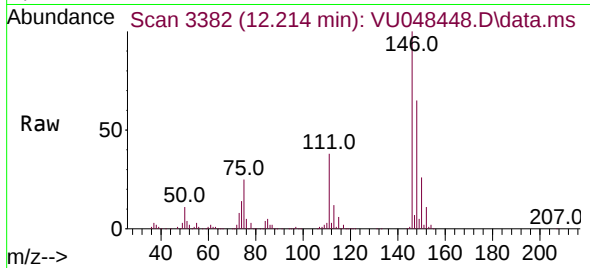
Tgt Ion:146 Resp: 349907

Ion Ratio Lower Upper

146 100

111 37.9 31.7 47.5

148 65.2 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 49.714 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU048448.D

Acq: 05 May 2022 19:33

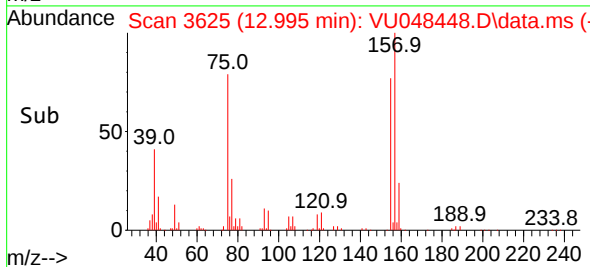
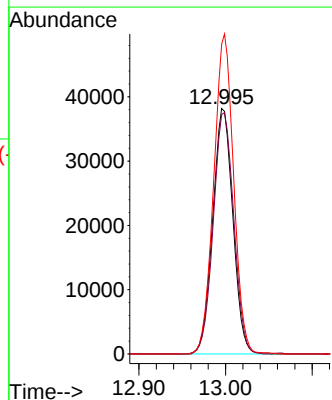
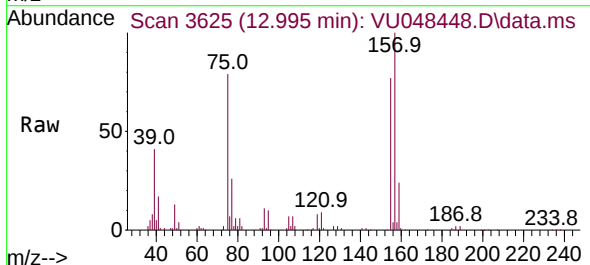
Tgt Ion: 75 Resp: 61838

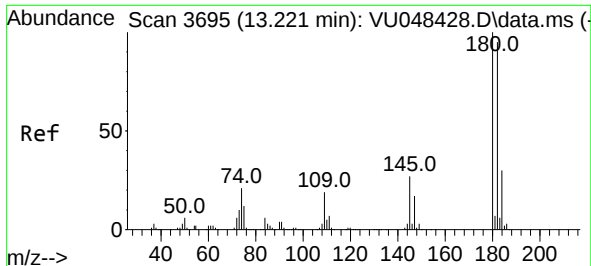
Ion Ratio Lower Upper

75 100

155 97.5 71.8 107.6

157 126.2 93.4 140.2

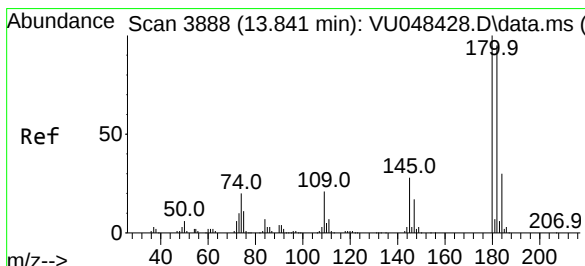
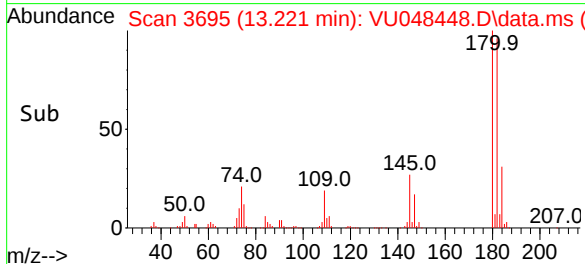
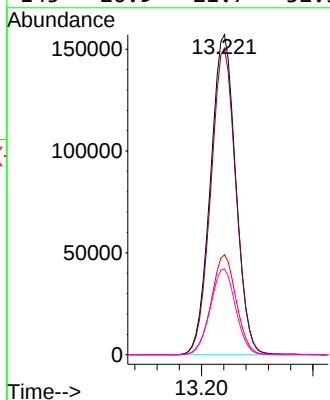
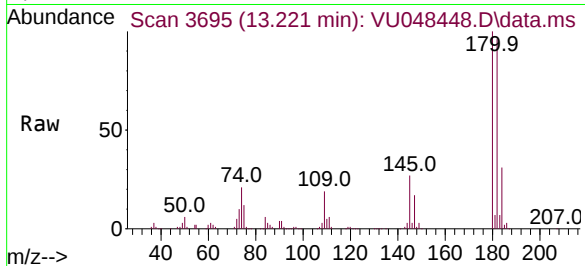




#69
 1,3,5-Trichlorobenzene
 Concen: 53.037 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU048448.D
 Acq: 05 May 2022 19:33

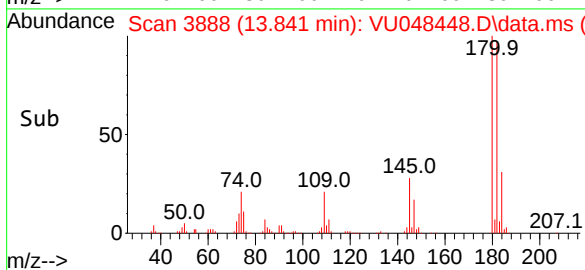
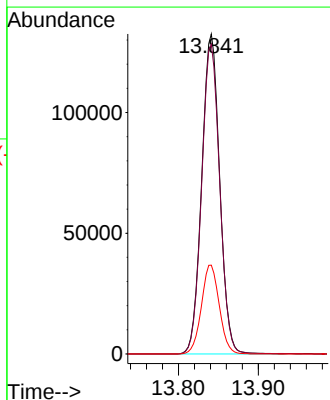
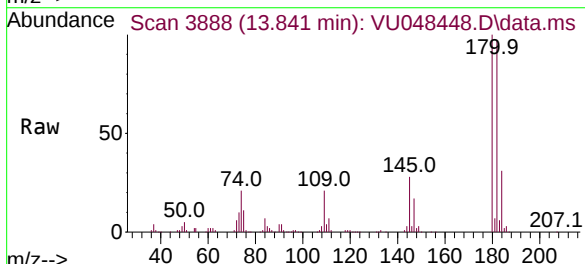
Instrument :
 MSVOA_U
 ClientSampleId :
 EXL87MS

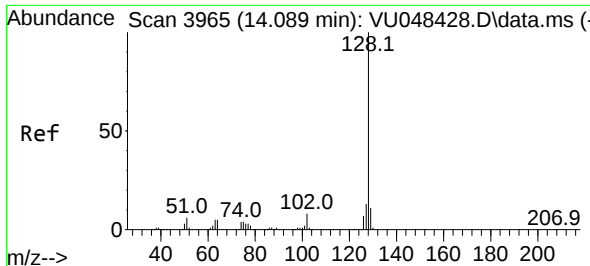
Tgt Ion:180	Resp:	246750	
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.0	115.4
184	30.7	24.6	37.0
145	26.9	21.7	32.5



#70
 1,2,4-trichlorobenzene
 Concen: 56.439 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048448.D
 Acq: 05 May 2022 19:33

Tgt Ion:180	Resp:	207445	
Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.3	114.5
145	27.6	22.6	33.8

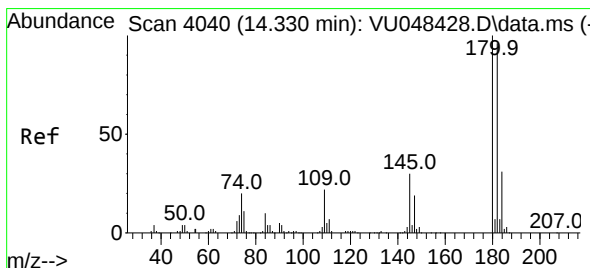
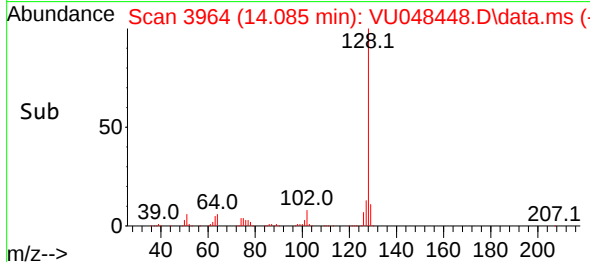
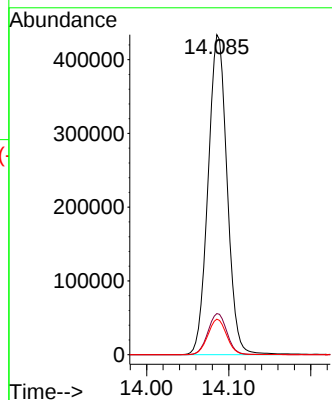
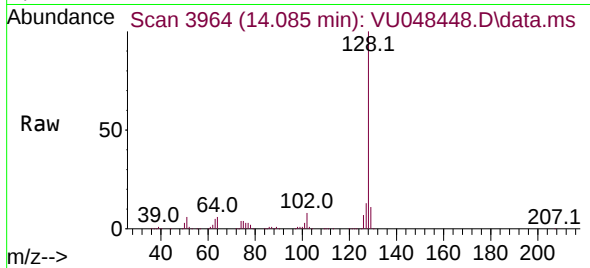




#71
Naphthalene
Concen: 66.504 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Instrument :
MSVOA_U
ClientSampleId :
EXL87MS

Tgt Ion:128 Resp: 699530
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 59.483 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048448.D
Acq: 05 May 2022 19:33

Tgt Ion:180 Resp: 224062
Ion Ratio Lower Upper
180 100
182 95.5 75.8 113.6
145 29.0 23.5 35.3

