

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041222\
 Data File : VU047970.D
 Acq On : 12 Apr 2022 20:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 13 01:38:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 13 01:28:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	386948	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	400674	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	233198	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	110561	39.401	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.800%
7) Chloroethane-d5	1.916	69	96896	43.794	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.580%
11) 1,1-Dichloroethene-d2	2.572	63	203550	39.649	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.300%
21) 2-Butanone-d5	4.620	46	215315	89.399	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.400%
24) Chloroform-d	5.067	84	232684	45.320	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.640%
26) 1,2-Dichloroethane-d4	5.703	65	143316	45.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.020%
32) Benzene-d6	5.729	84	442814	43.921	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.840%
36) 1,2-Dichloropropane-d6	6.690	67	145090	46.859	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.720%
41) Toluene-d8	7.899	98	405996	41.331	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.660%
43) trans-1,3-Dichloroprop...	8.179	79	63301	40.354	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.700%
47) 2-Hexanone-d5	8.632	63	160874	88.754	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.750%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	238366	44.858	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.720%
66) 1,2-Dichlorobenzene-d4	12.192	152	179350	43.229	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	158625	44.217	ug/L	99
3) Chloromethane	1.527	50	166246	48.458	ug/L	100
5) Vinyl chloride	1.607	62	168551	48.172	ug/L	98
6) Bromomethane	1.858	94	100737	53.491	ug/L	99
8) Chloroethane	1.935	64	103927	47.315	ug/L	98
9) Trichlorofluoromethane	2.141	101	219859	44.560	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	128524	45.064	ug/L	97
12) 1,1-Dichloroethene	2.581	96	120137	45.261	ug/L	91
13) Acetone	2.623	43	142987	63.797	ug/L	98
14) Carbon disulfide	2.797	76	331249	39.481	ug/L	100
15) Methyl Acetate	2.948	43	159469	44.620	ug/L	98
16) Methylene chloride	3.047	84	148088	48.620	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	132518	46.288	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	403393	49.944	ug/L	100
19) 1,1-Dichloroethane	3.871	63	247164	50.058	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	151312	48.209	ug/L	93
22) 2-Butanone	4.700	43	229980	79.656	ug/L	97
23) Bromochloromethane	4.977	128	84392	48.972	ug/L	99
25) Chloroform	5.089	83	259515	48.819	ug/L	100

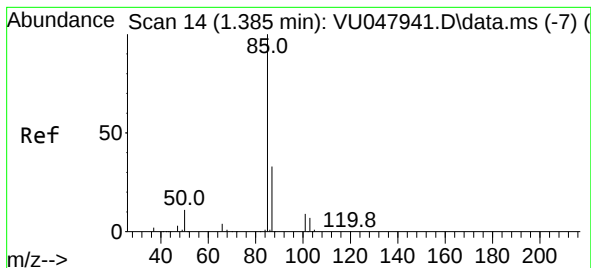
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041222\
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 QLast Update : Wed Apr 13 01:28:20 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	198059	48.225	ug/L	98
29) Cyclohexane	5.391	56	195412	48.063	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	217242	47.817	ug/L	100
31) Carbon tetrachloride	5.526	117	182432	44.468	ug/L	100
33) Benzene	5.777	78	575062	49.584	ug/L	100
34) Trichloroethene	6.543	95	145088	47.718	ug/L	99
35) Methylcyclohexane	6.764	83	211554	45.735	ug/L	98
37) 1,2-Dichloropropane	6.790	63	152246	51.639	ug/L	99
38) Bromodichloromethane	7.105	83	194157	47.956	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	212135	46.372	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	428877	92.039	ug/L	98
42) Toluene	7.970	91	623813	49.021	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	209361	45.836	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	155653	49.779	ug/L	99
46) Tetrachloroethene	8.555	164	124256	45.476	ug/L	100
48) 2-Hexanone	8.684	43	344534	85.956	ug/L	98
49) Dibromochloromethane	8.809	129	162735	44.934	ug/L	100
50) 1,2-Dibromoethane	8.925	107	165677	47.263	ug/L	99
51) Chlorobenzene	9.446	112	416074	48.155	ug/L	99
52) Ethylbenzene	9.571	91	644576	48.174	ug/L	100
53) m,p-Xylene	9.694	106	256849	48.922	ug/L	97
54) o-Xylene	10.102	106	249125	48.347	ug/L	100
55) Styrene	10.115	104	429333	48.801	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	270686	46.176	ug/L	99
59) Bromoform	10.292	173	131208	44.001	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	210895	47.972	ug/L	99
61) Isopropylbenzene	10.484	105	632033	50.149	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	333561	48.779	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	518816	49.949	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	332128	47.412	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	334284	46.071	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	335453	47.858	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	60278	42.805	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	255698	44.945	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	230068	46.169	ug/L	100
71) Naphthalene	14.086	128	691542	46.547	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	236629	47.368	ug/L	99

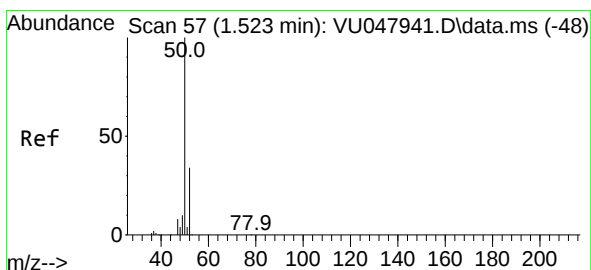
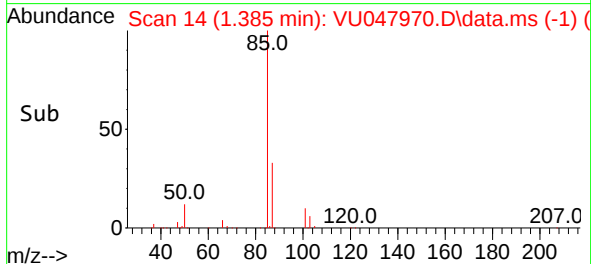
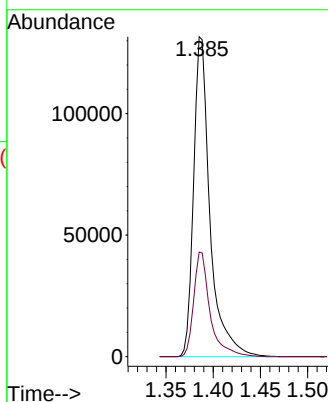
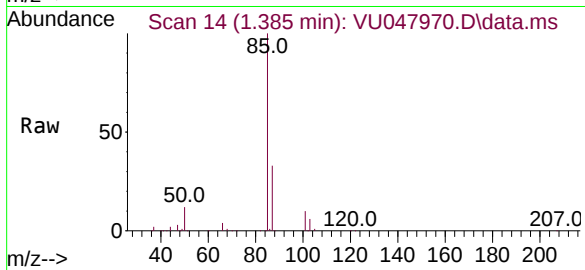
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#2
Dichlorodifluoromethane
Concen: 44.217 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

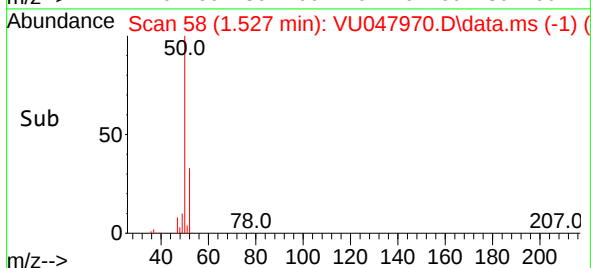
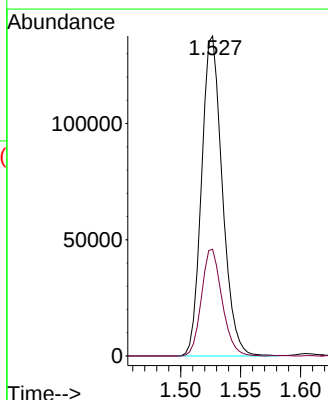
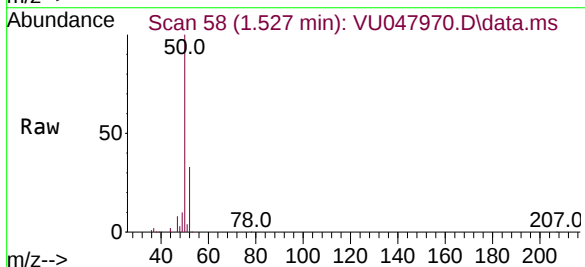
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MSVOA_U
ClientSampleId :

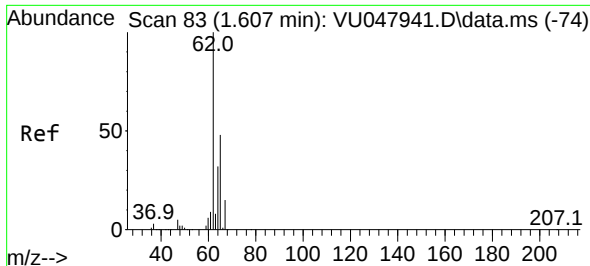
Tgt Ion: 85 Resp: 158625
Ion Ratio Lower Upper
85 100
87 32.6 25.8 38.8



#3
Chloromethane
Concen: 48.458 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

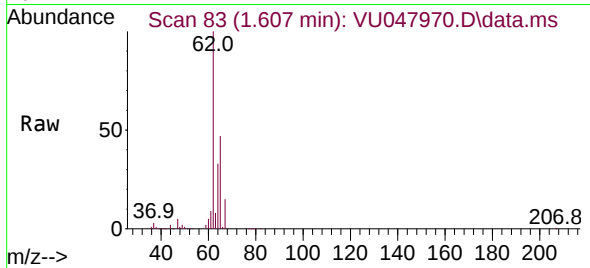
Tgt Ion: 50 Resp: 166246
Ion Ratio Lower Upper
50 100
52 33.3 23.2 43.2



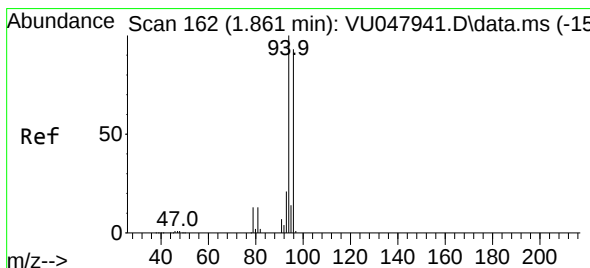
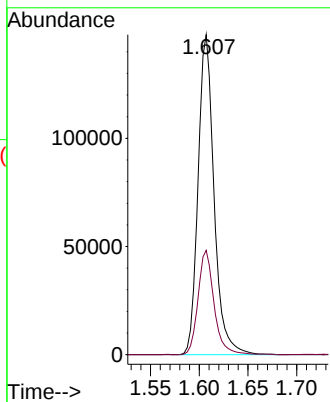
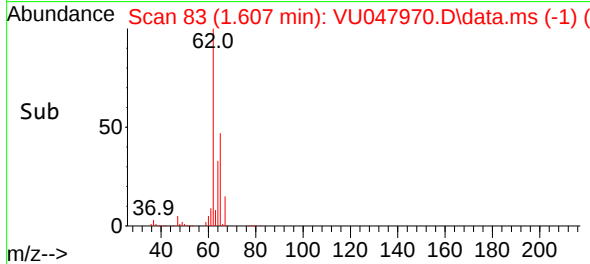


#5
 Vinyl chloride
 Concen: 48.172 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047970.D
 Acq: 12 Apr 2022 20:45

Instrument :
 MSVOA_U
 ClientSampleId :

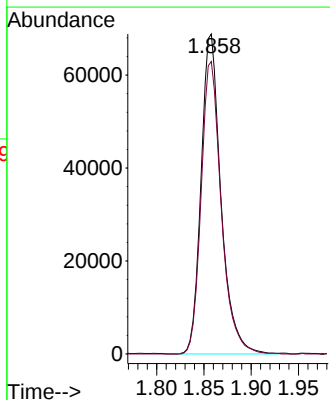
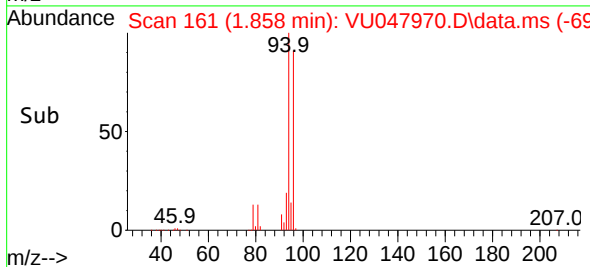
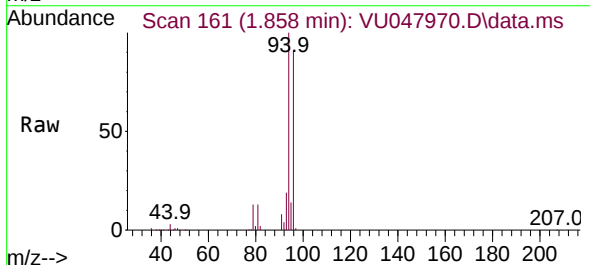


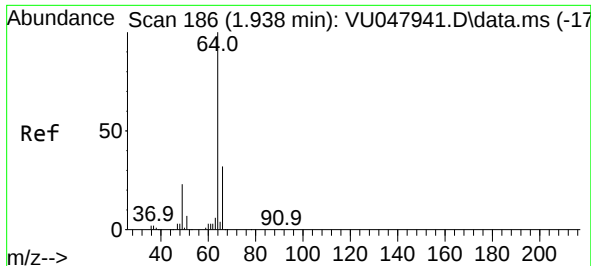
Tgt Ion: 62 Resp: 168551
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.7 43.9



#6
 Bromomethane
 Concen: 53.491 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.003 min
 Lab File: VU047970.D
 Acq: 12 Apr 2022 20:45

Tgt Ion: 94 Resp: 100737
 Ion Ratio Lower Upper
 94 100
 96 91.4 64.8 120.3

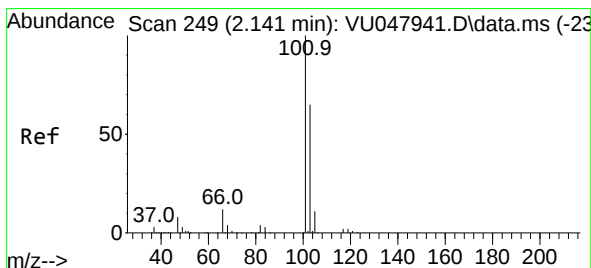
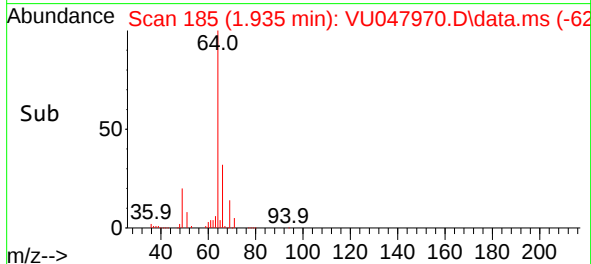
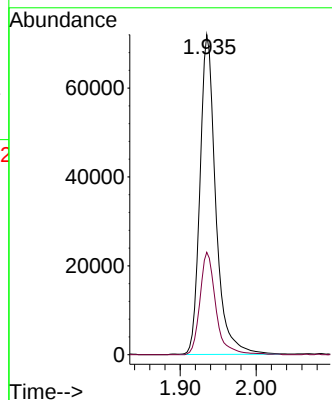
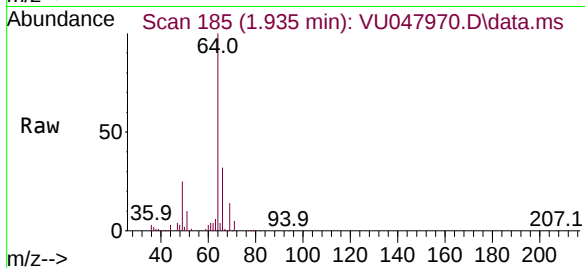




#8
Chloroethane
Concen: 47.315 ug/L
RT: 1.935 min Scan# 186
Delta R.T. -0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

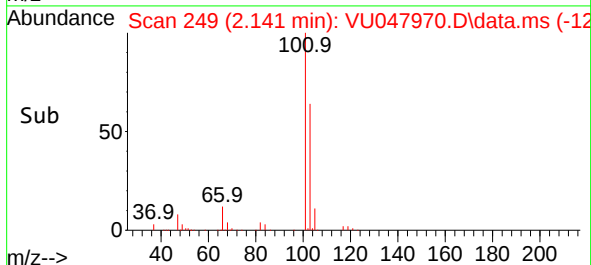
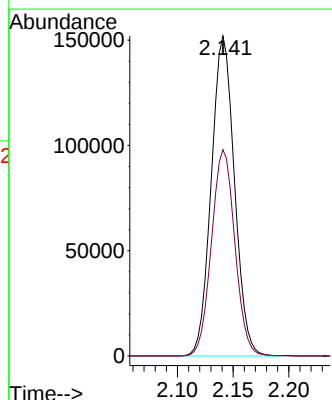
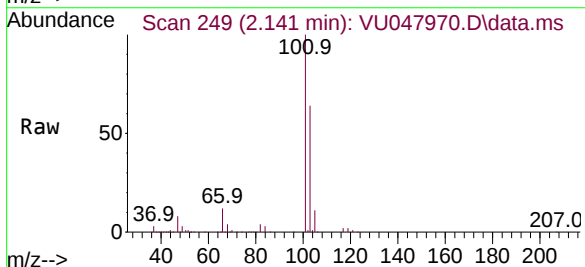
Instrument :
MSVOA_U
ClientSampleId :

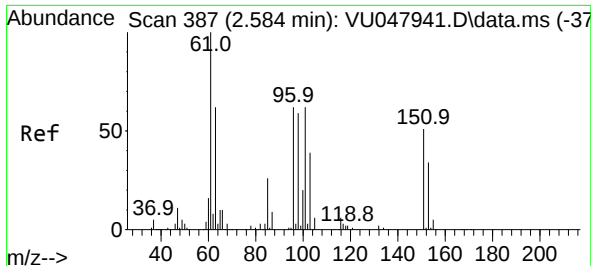
Tgt Ion: 64 Resp: 103927
Ion Ratio Lower Upper
64 100
66 32.0 23.3 43.3



#9
Trichlorofluoromethane
Concen: 44.560 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

Tgt Ion:101 Resp: 219859
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2





#10

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

Concen: 45.064 ug/L

RT: 2.584 min Scan# 387

Delta R.T. 0.000 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

ClientSampleId :

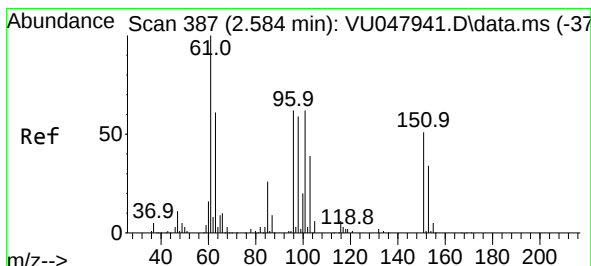
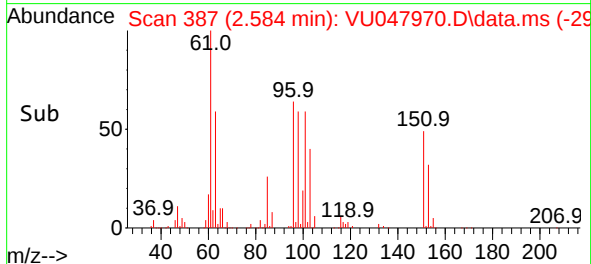
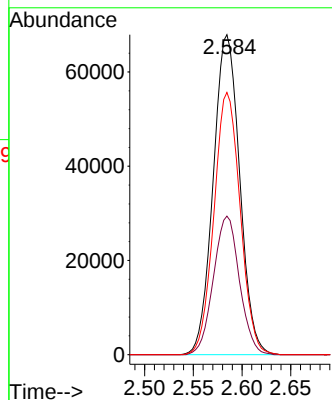
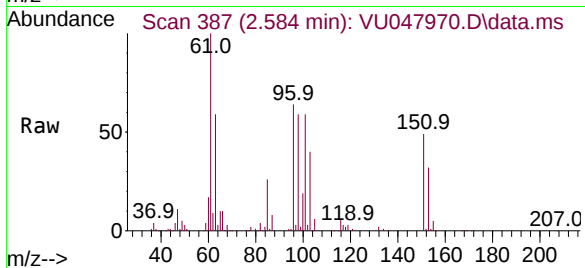
Tgt Ion:101 Resp: 128524

Ion Ratio Lower Upper

101 100

85 42.5 32.8 49.2

151 81.1 63.0 94.6



#12

1,1-Dichloroethene

Concen: 45.261 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

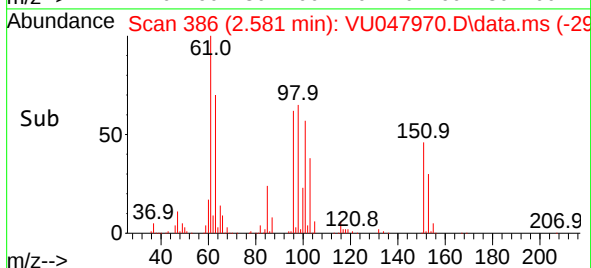
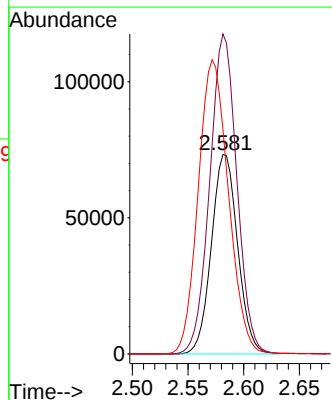
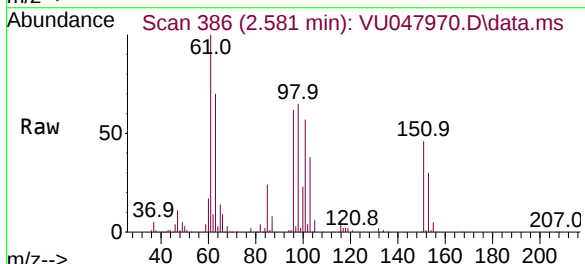
Tgt Ion: 96 Resp: 120137

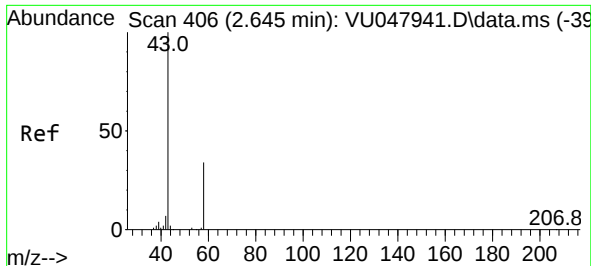
Ion Ratio Lower Upper

96 100

61 160.4 113.1 210.1

63 112.8 94.8 176.0





#13

Acetone

Concen: 63.797 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.022 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

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MSVOA_U

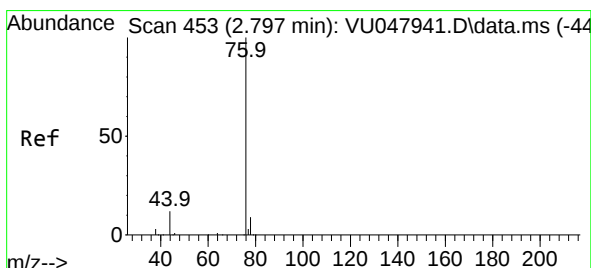
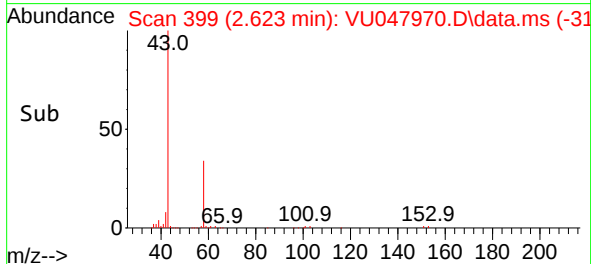
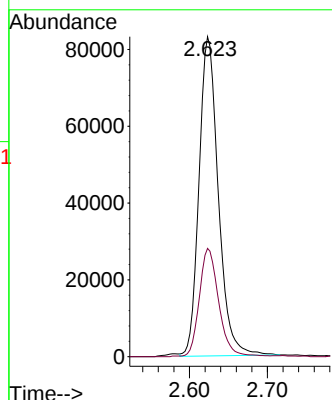
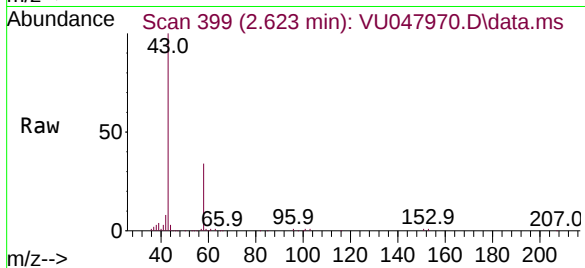
ClientSampleId :

Tgt Ion: 43 Resp: 142987

Ion Ratio Lower Upper

43 100

58 33.6 0.0 70.0



#14

Carbon disulfide

Concen: 39.481 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU047970.D

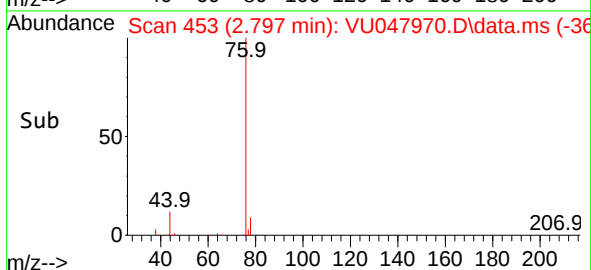
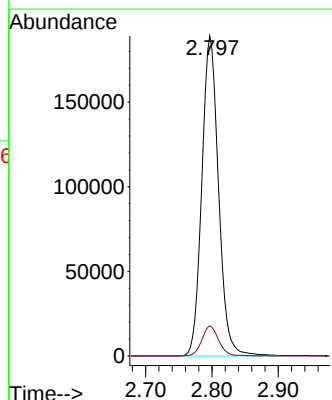
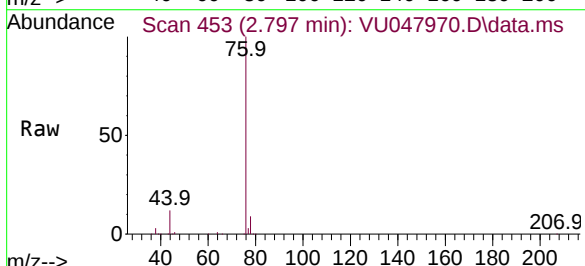
Acq: 12 Apr 2022 20:45

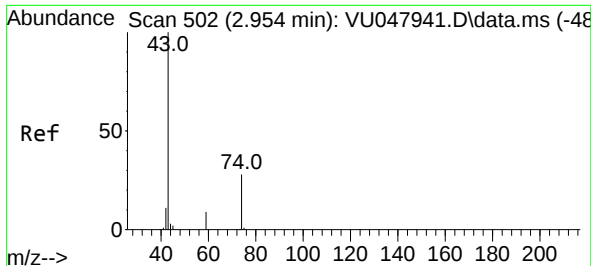
Tgt Ion: 76 Resp: 331249

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

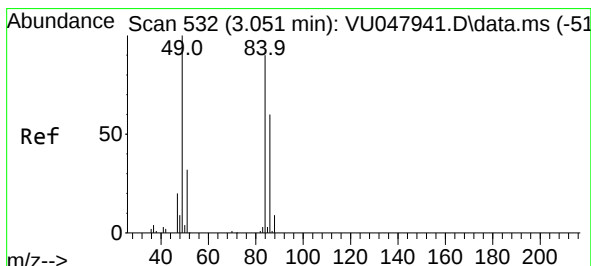
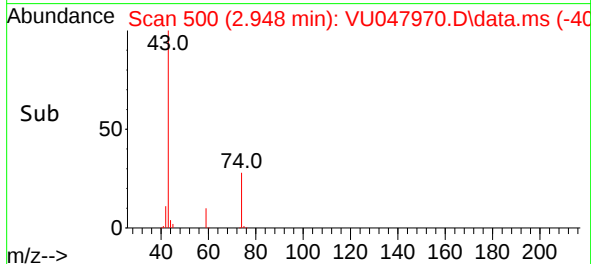
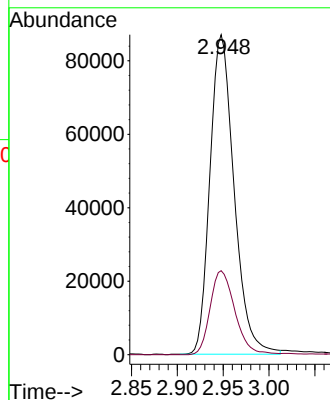
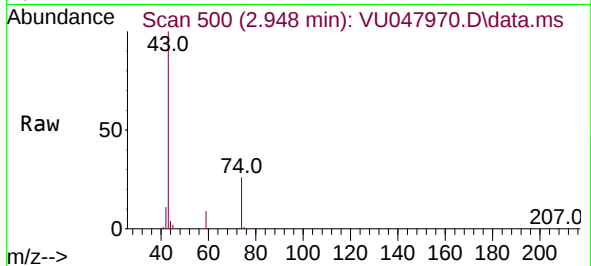




#15
Methyl Acetate
Concen: 44.620 ug/L
RT: 2.948 min Scan# 50
Delta R.T. -0.006 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

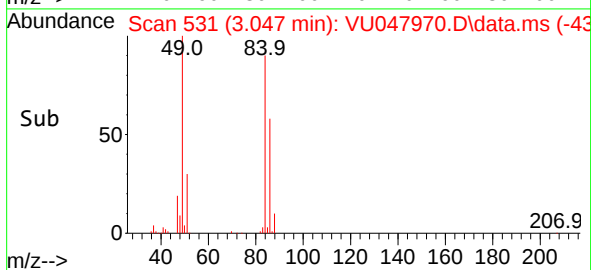
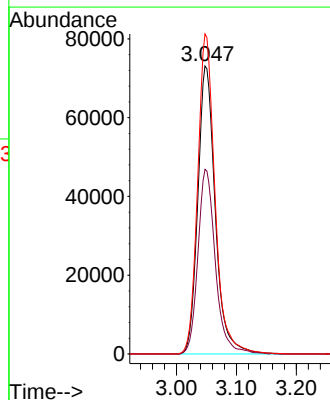
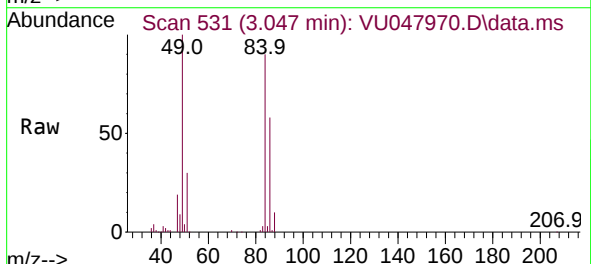
Instrument :
MSVOA_U
ClientSampleId :

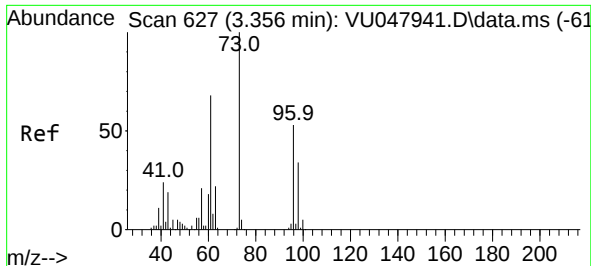
Tgt Ion: 43 Resp: 159469
Ion Ratio Lower Upper
43 100
74 26.9 22.2 33.2



#16
Methylene chloride
Concen: 48.620 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

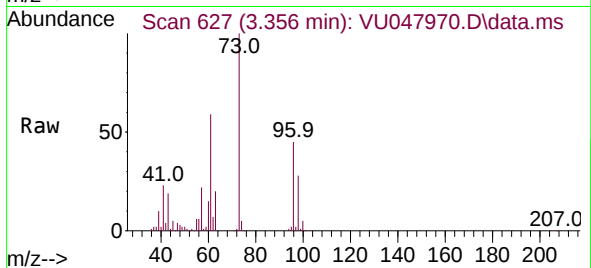
Tgt Ion: 84 Resp: 148088
Ion Ratio Lower Upper
84 100
86 64.1 46.0 85.4
49 111.1 75.3 139.8



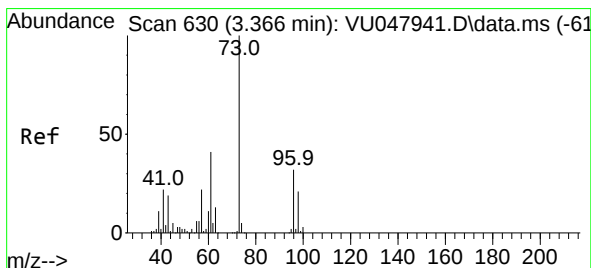
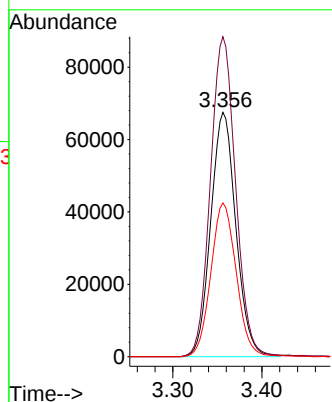
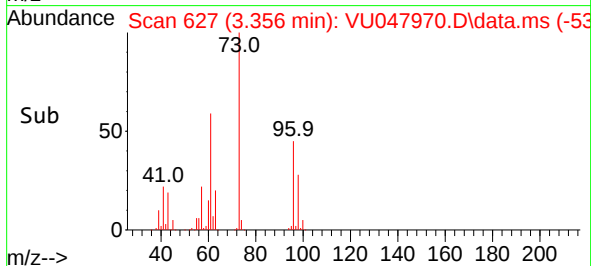


#17
trans-1,2-Dichloroethene
Concen: 46.288 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

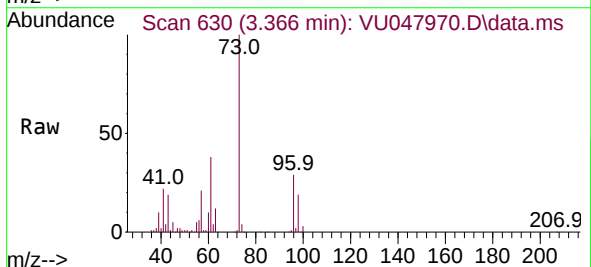
Instrument :
MSVOA_U
ClientSampleId :



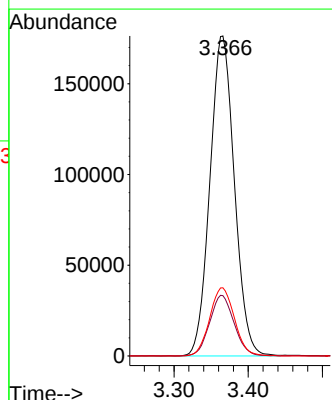
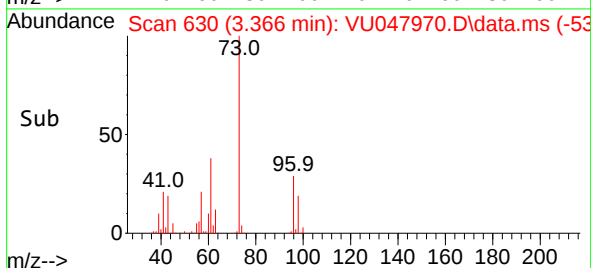
Tgt Ion: 96 Resp: 132518
Ion Ratio Lower Upper
96 100
61 130.9 88.4 164.2
98 62.9 43.3 80.5

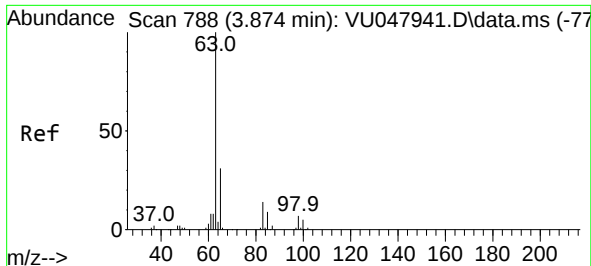


#18
Methyl tert-butyl Ether
Concen: 49.944 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.000 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45



Tgt Ion: 73 Resp: 403393
Ion Ratio Lower Upper
73 100
43 19.0 15.3 22.9
57 21.5 17.0 25.6





#19

1,1-Dichloroethane

Concen: 50.058 ug/L

RT: 3.871 min Scan# 787

Delta R.T. -0.003 min

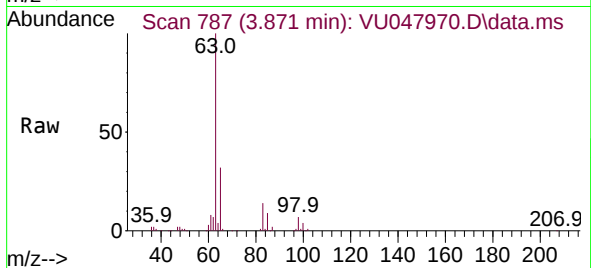
Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

ClientSampleId :



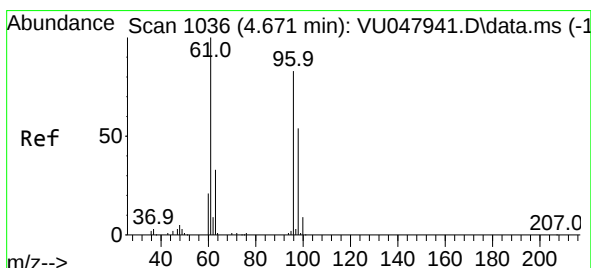
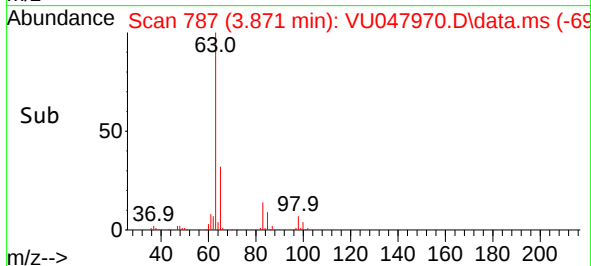
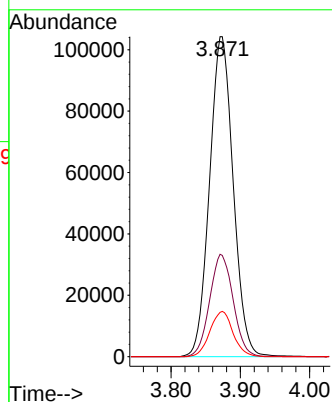
Tgt Ion: 63 Resp: 247164

Ion Ratio Lower Upper

63 100

65 32.0 22.0 41.0

83 13.8 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 48.209 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

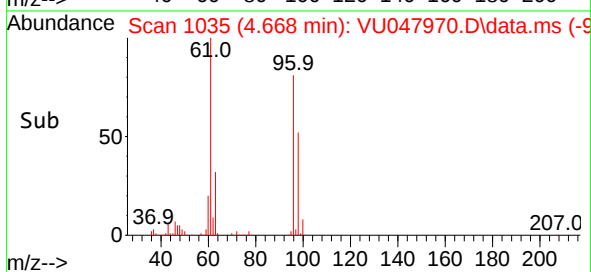
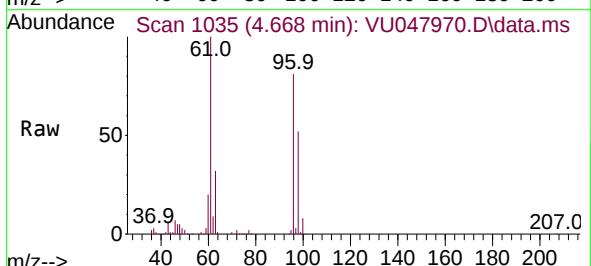
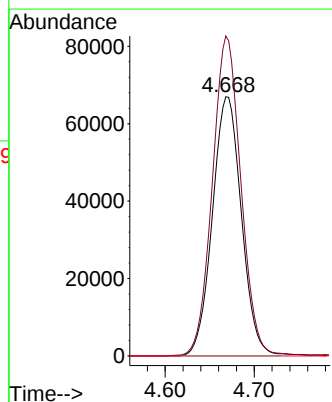
Tgt Ion: 96 Resp: 151312

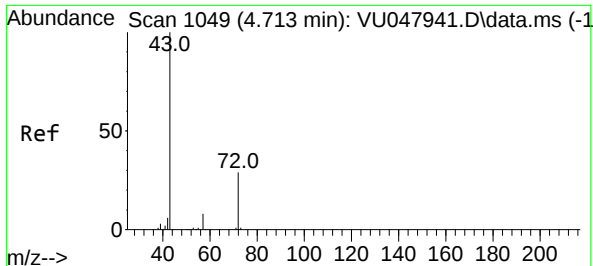
Ion Ratio Lower Upper

96 100

61 123.4 80.7 149.9

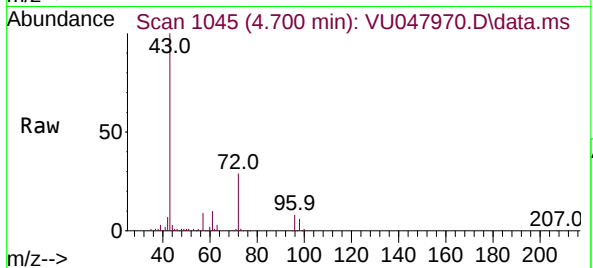
68 0.0 0.0 0.0



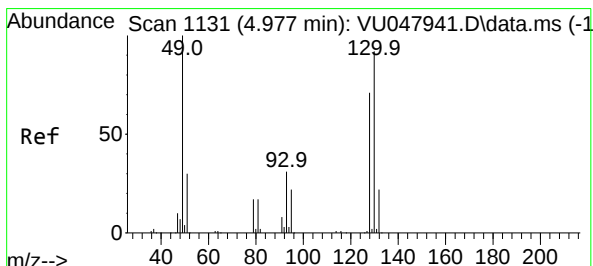
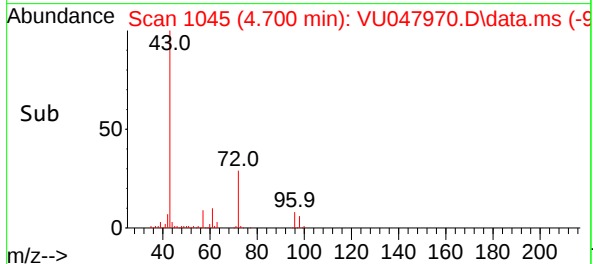
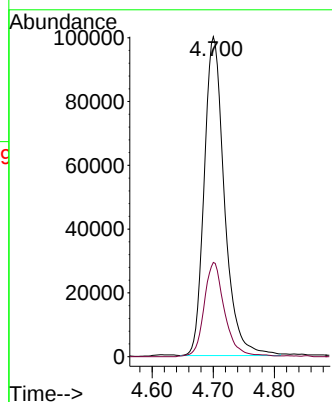


#22
2-Butanone
Concen: 79.656 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. -0.013 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

Instrument :
MSVOA_U
ClientSampleId :

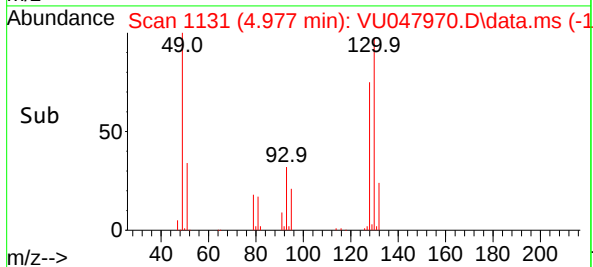
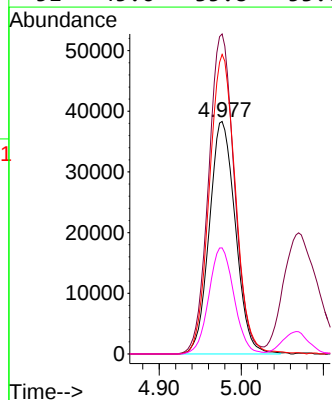
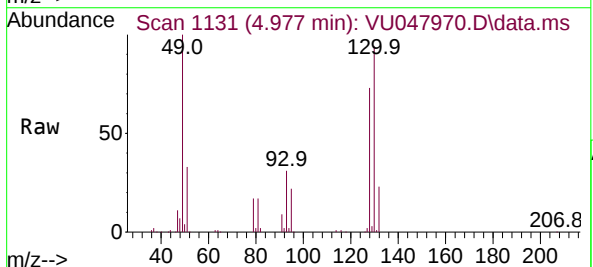


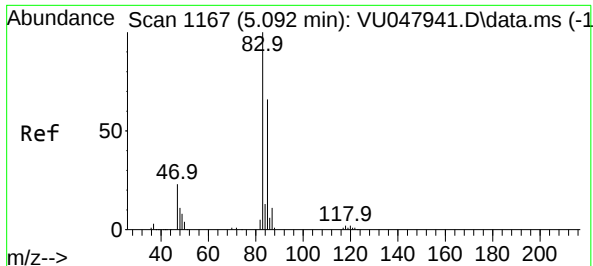
Tgt Ion: 43 Resp: 229980
Ion Ratio Lower Upper
43 100
72 30.0 16.0 47.9



#23
Bromochloromethane
Concen: 48.972 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

Tgt Ion:128 Resp: 84392
Ion Ratio Lower Upper
128 100
49 137.6 94.1 174.8
130 128.8 90.2 167.4
51 45.6 35.8 53.6





#25

Chloroform

Concen: 48.819 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

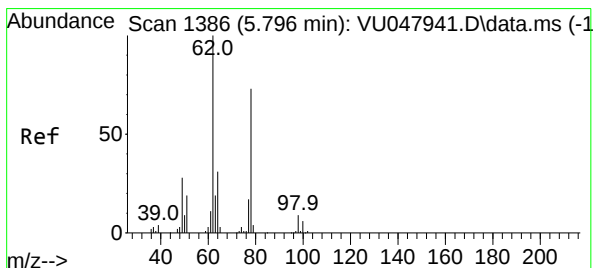
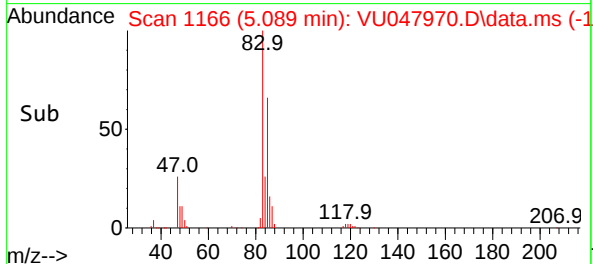
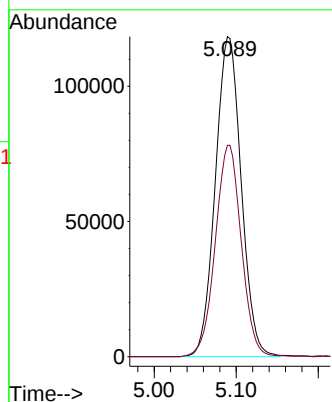
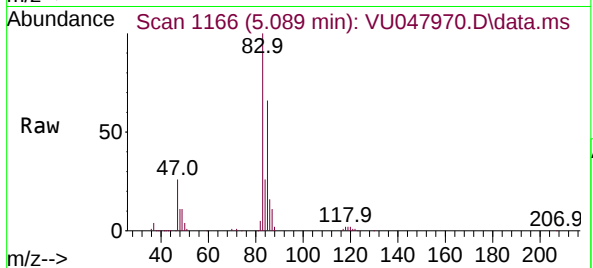
ClientSampleId :

Tgt Ion: 83 Resp: 259515

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 48.225 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU047970.D

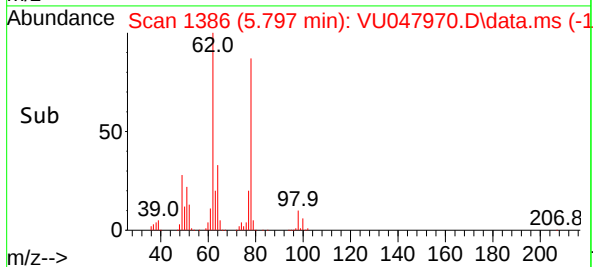
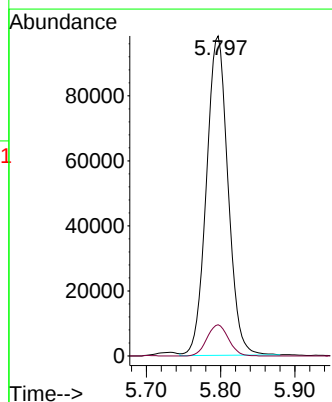
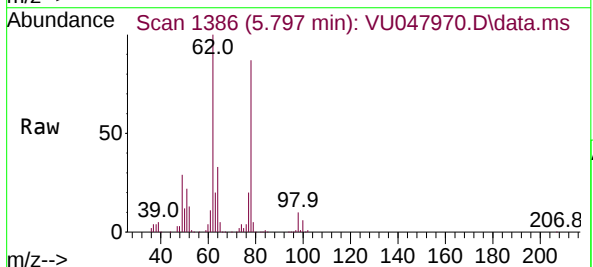
Acq: 12 Apr 2022 20:45

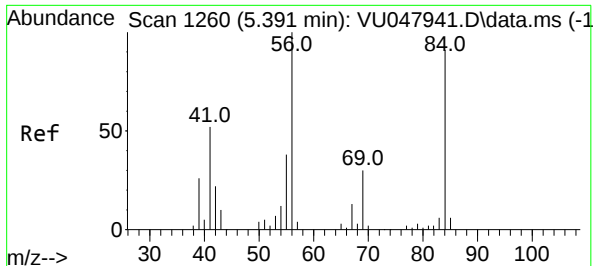
Tgt Ion: 62 Resp: 198059

Ion Ratio Lower Upper

62 100

98 9.8 7.4 11.0





#29

Cyclohexane

Concen: 48.063 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

ClientSampleId :

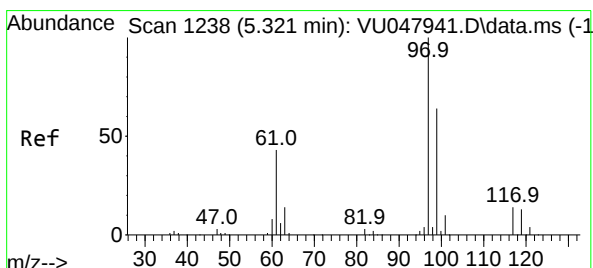
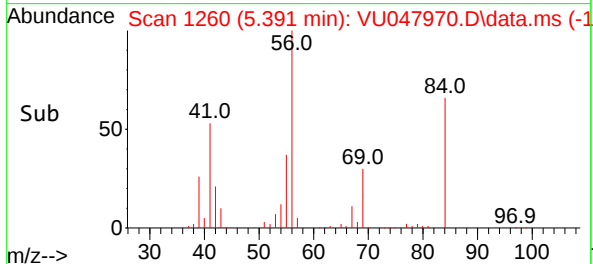
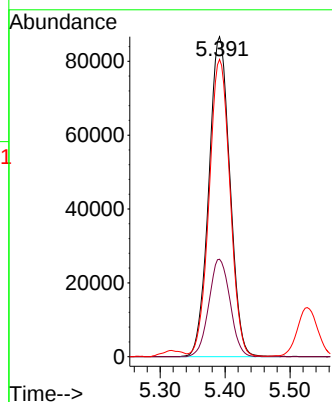
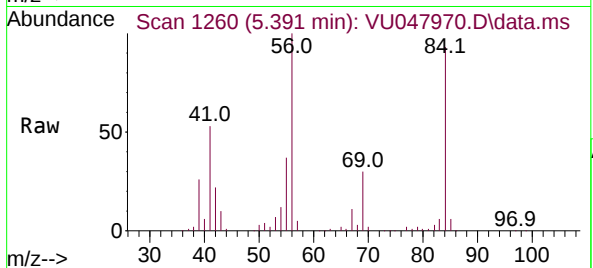
Tgt Ion: 56 Resp: 195412

Ion Ratio Lower Upper

56 100

69 30.6 25.4 38.2

84 92.1 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 47.817 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

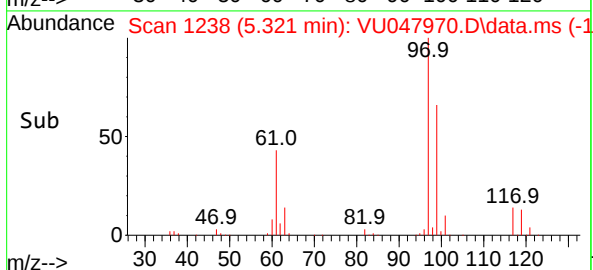
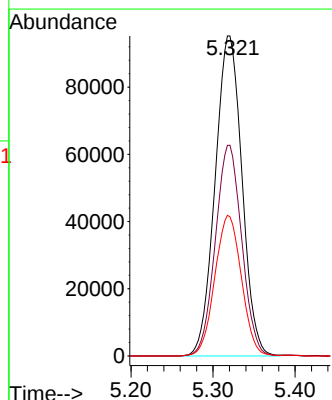
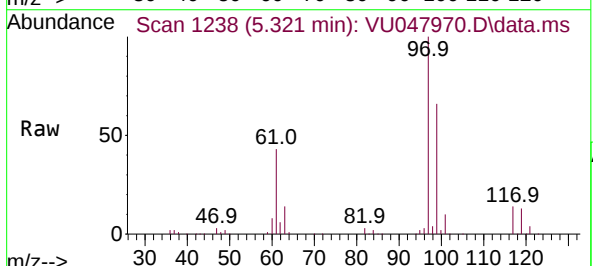
Tgt Ion: 97 Resp: 217242

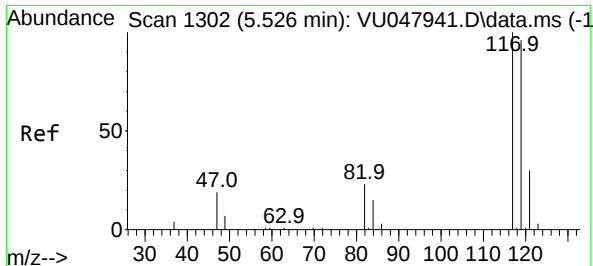
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 43.4 34.2 51.4

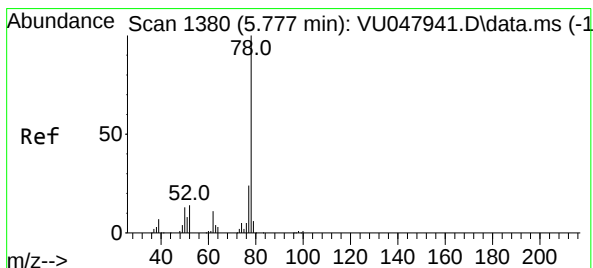
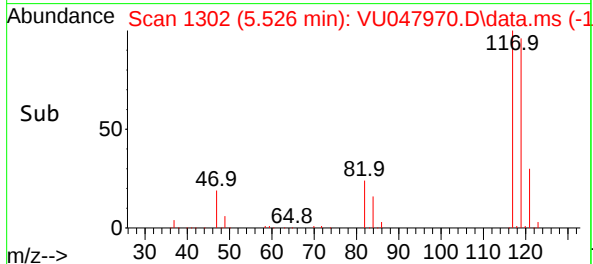
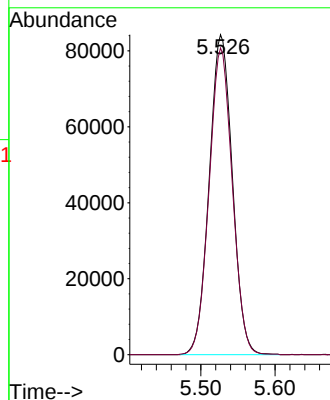
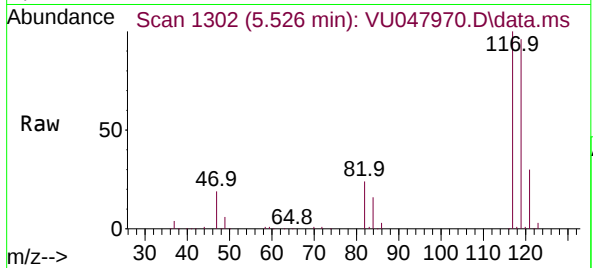




#31
Carbon tetrachloride
Concen: 44.468 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

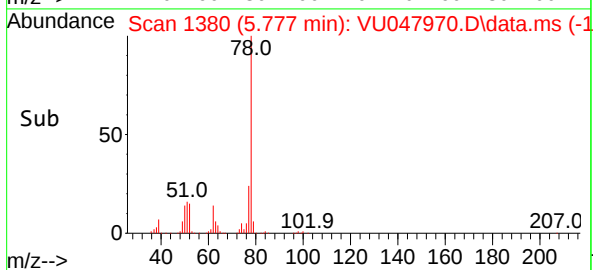
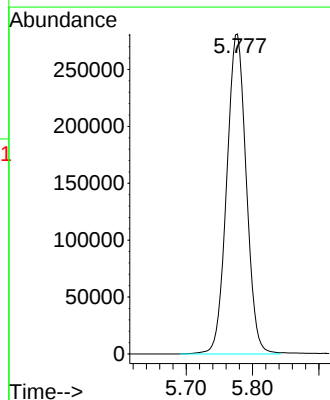
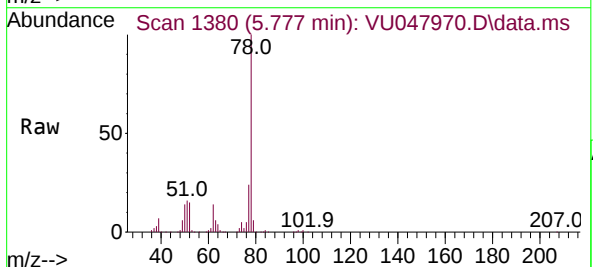
Instrument :
MSVOA_U
ClientSampleId :

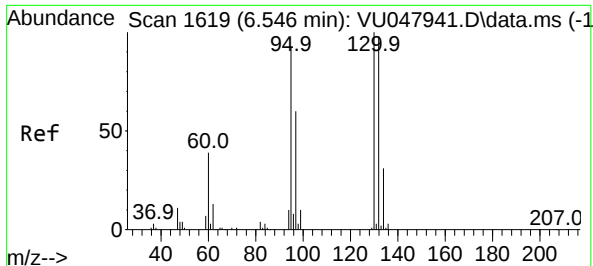
Tgt Ion:117 Resp: 182432
Ion Ratio Lower Upper
117 100
119 96.0 77.2 115.8



#33
Benzene
Concen: 49.584 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

Tgt Ion: 78 Resp: 575062





#34

Trichloroethene

Concen: 47.718 ug/L

RT: 6.543 min Scan# 1

Delta R.T. -0.003 min

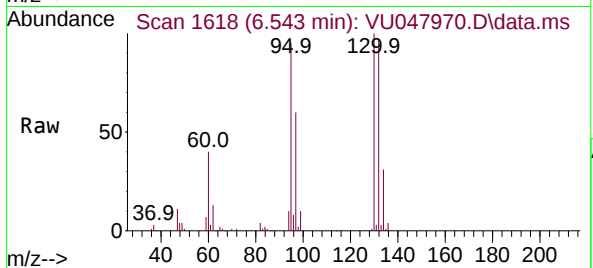
Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 145088

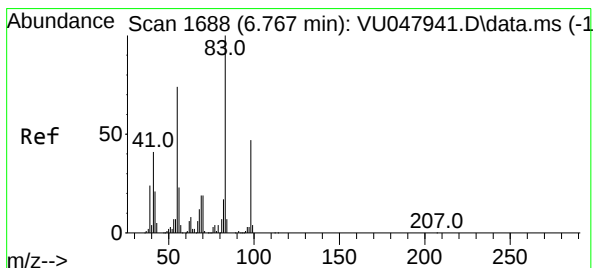
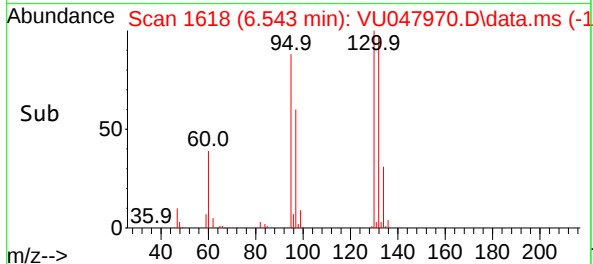
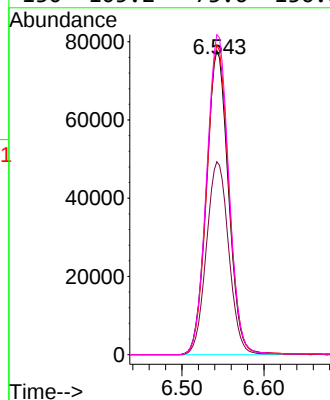
Ion Ratio Lower Upper

95 100

97 63.4 44.7 82.9

132 101.8 70.4 130.8

130 105.2 73.6 136.8



#35

Methylcyclohexane

Concen: 45.735 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

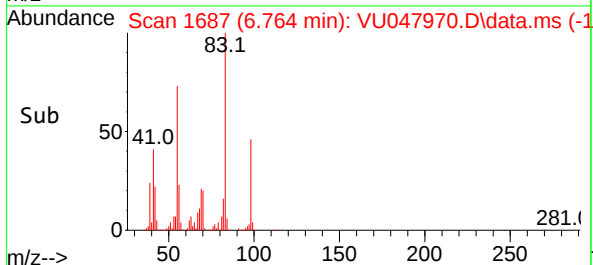
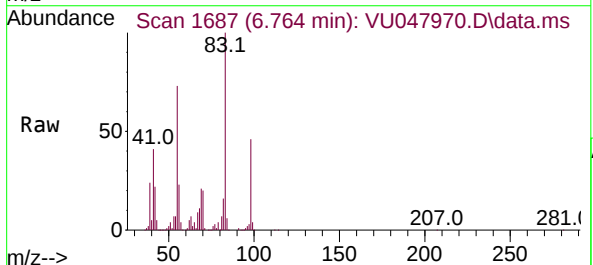
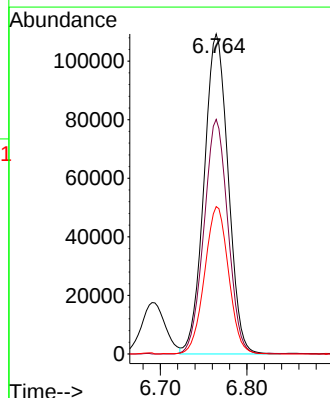
Tgt Ion: 83 Resp: 211554

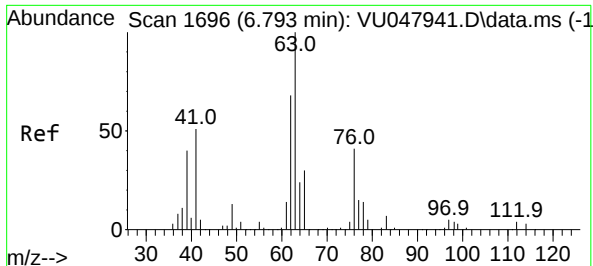
Ion Ratio Lower Upper

83 100

55 72.6 56.8 85.2

98 45.9 38.1 57.1





#37

1,2-Dichloropropane

Concen: 51.639 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

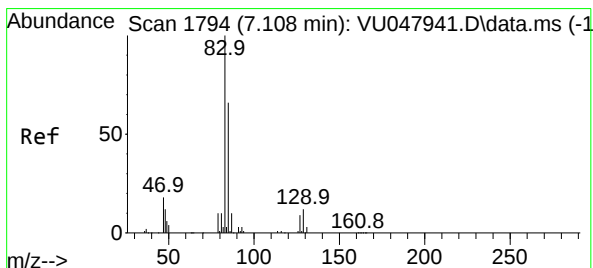
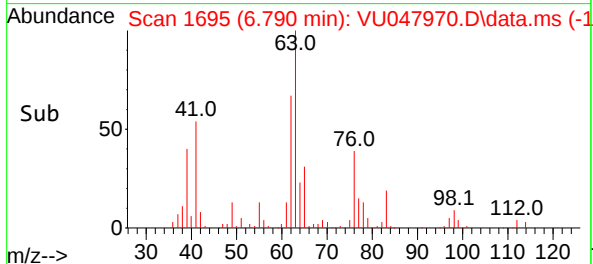
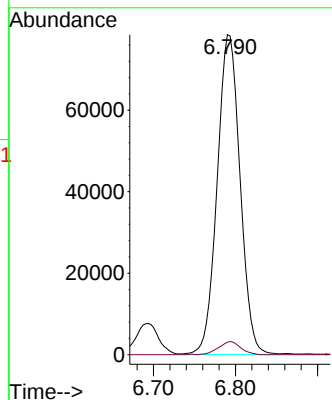
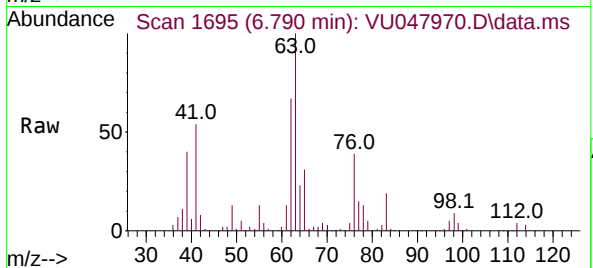
ClientSampleId :

Tgt Ion: 63 Resp: 152246

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.2



#38

Bromodichloromethane

Concen: 47.956 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

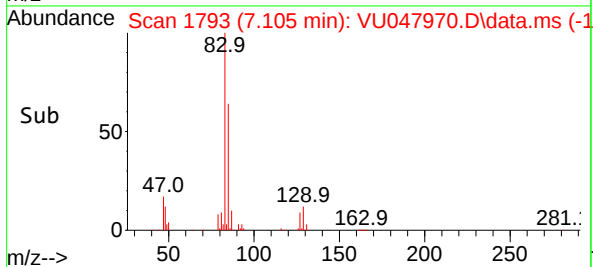
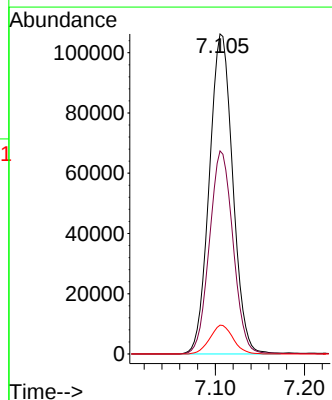
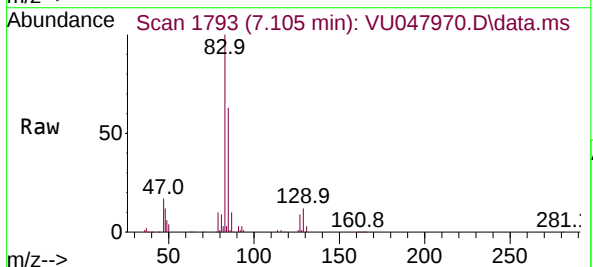
Tgt Ion: 83 Resp: 194157

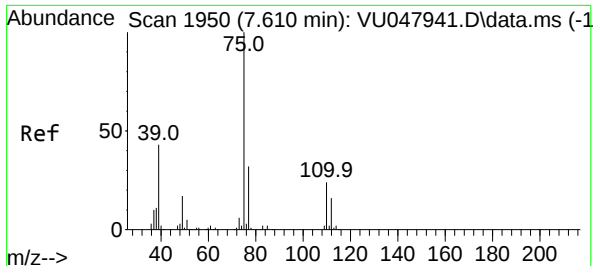
Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 46.372 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

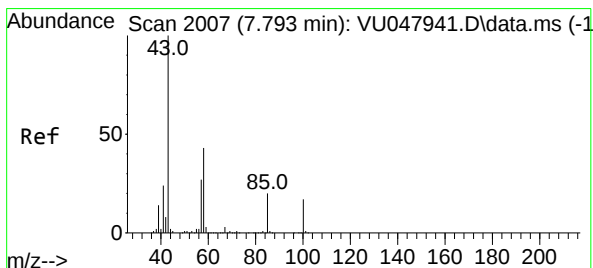
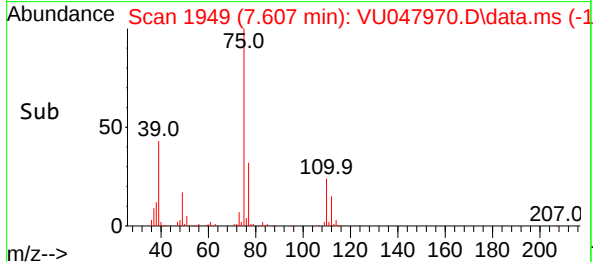
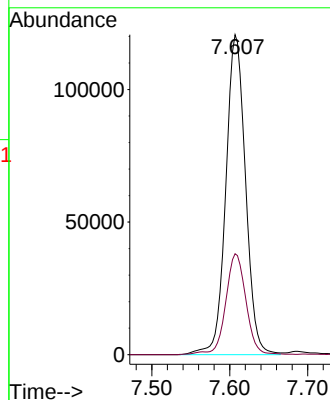
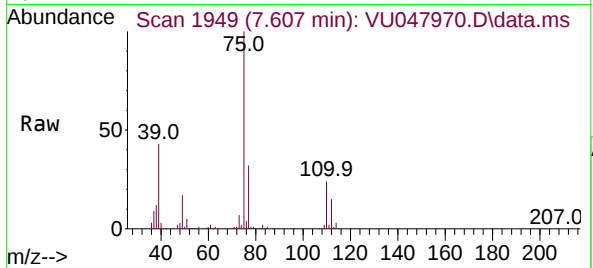
ClientSampleId :

Tgt Ion: 75 Resp: 212135

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 92.039 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

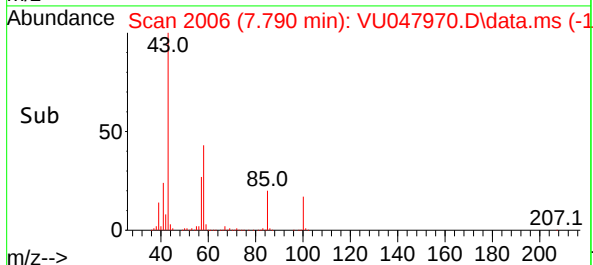
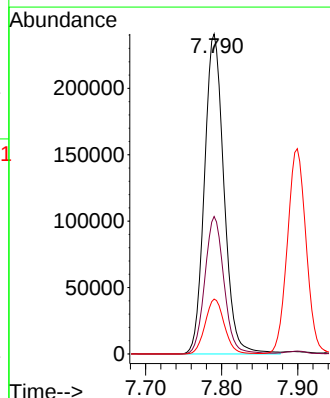
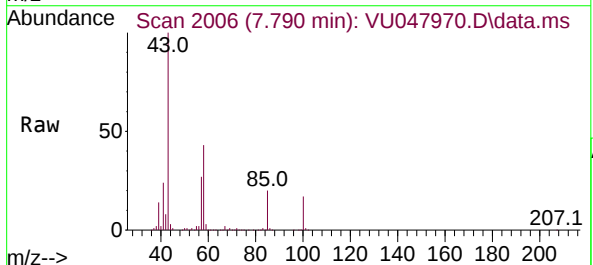
Tgt Ion: 43 Resp: 428877

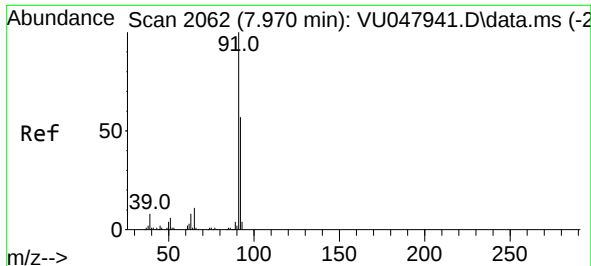
Ion Ratio Lower Upper

43 100

58 42.3 34.7 52.1

100 16.9 14.2 21.2





#42

Toluene

Concen: 49.021 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

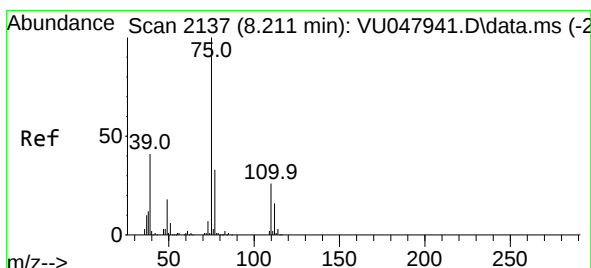
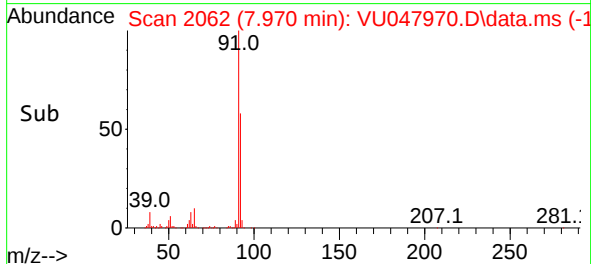
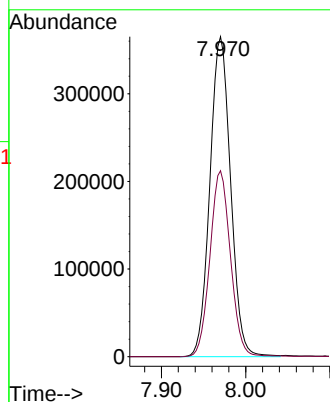
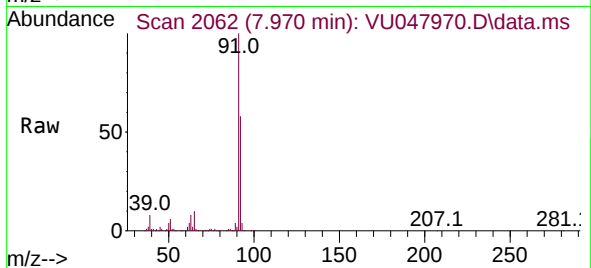
ClientSampleId :

Tgt Ion: 91 Resp: 623813

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 45.836 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU047970.D

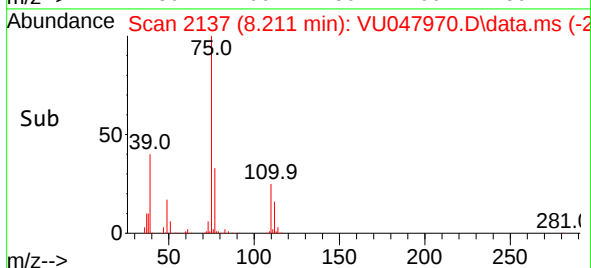
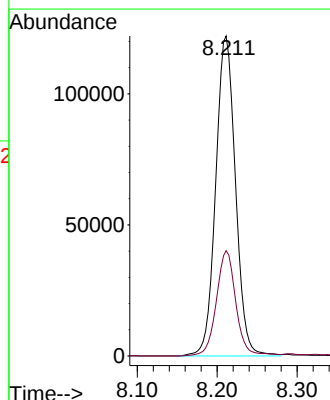
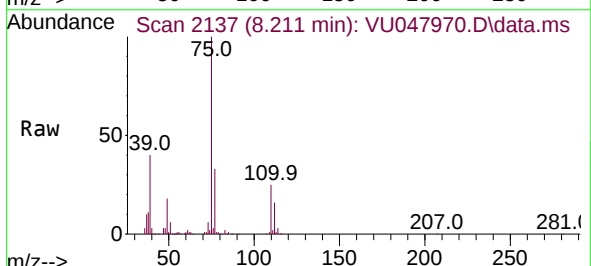
Acq: 12 Apr 2022 20:45

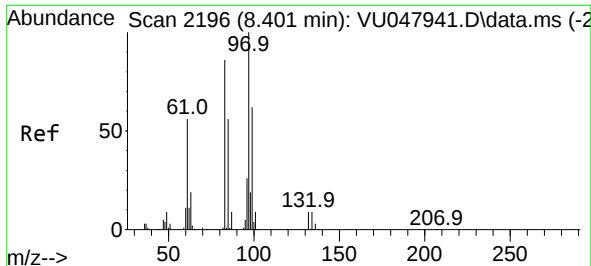
Tgt Ion: 75 Resp: 209361

Ion Ratio Lower Upper

75 100

77 32.9 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 49.779 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.000 min

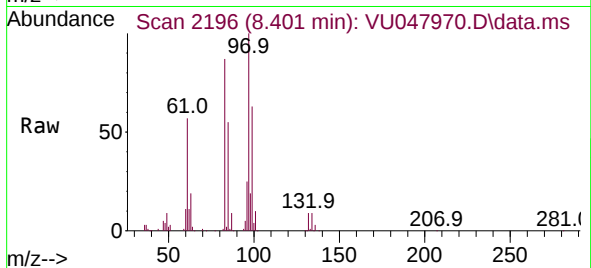
Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 155653

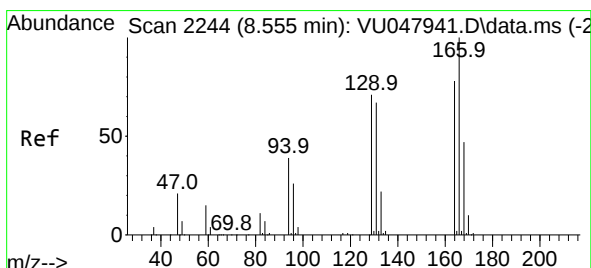
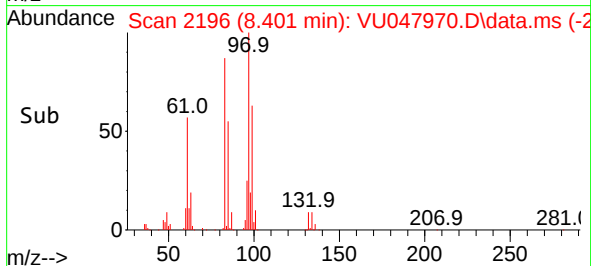
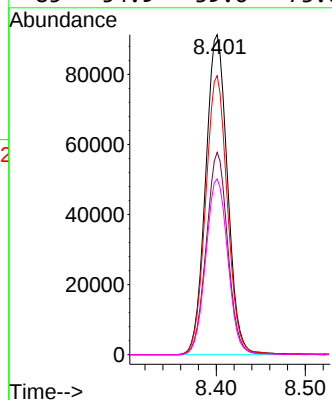
Ion Ratio Lower Upper

97 100

99 63.2 43.3 80.3

83 87.2 61.0 113.4

85 54.9 39.6 73.6



#46

Tetrachloroethene

Concen: 45.476 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Tgt Ion: 164 Resp: 124256

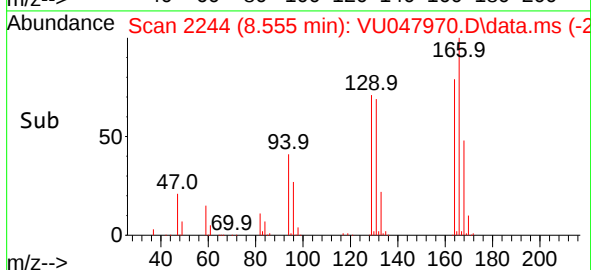
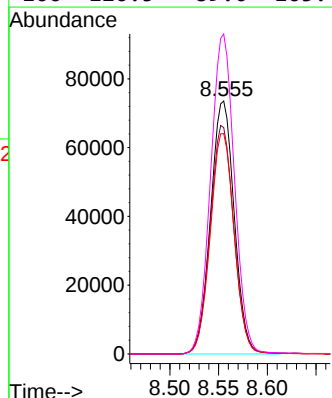
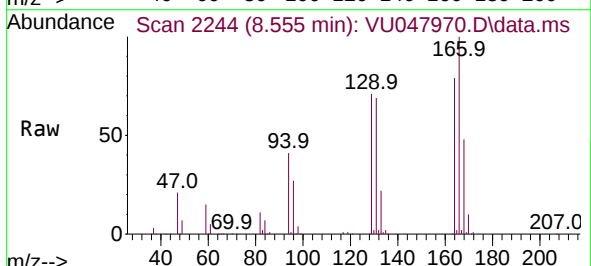
Ion Ratio Lower Upper

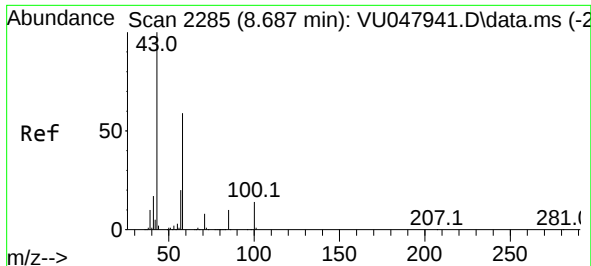
164 100

129 89.5 62.4 116.0

131 87.1 60.7 112.7

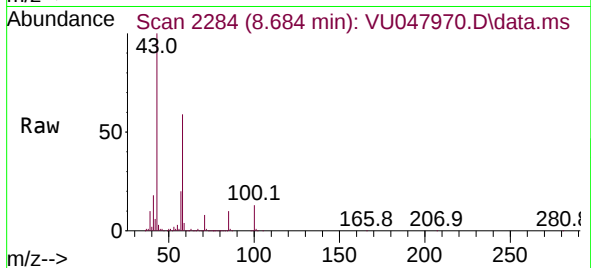
166 126.5 89.0 165.4



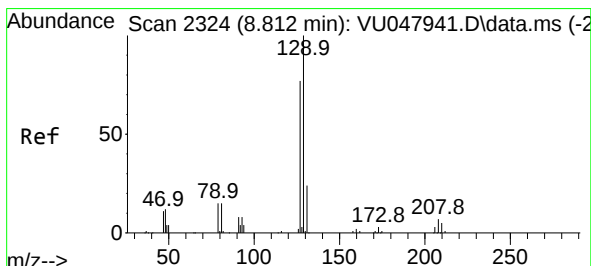
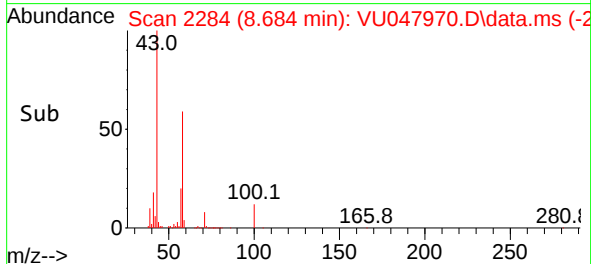
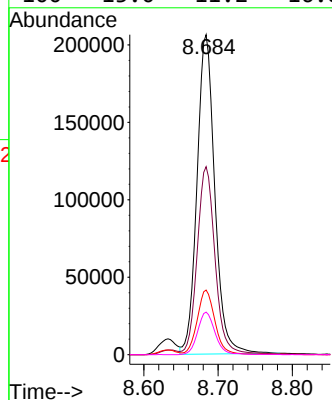


#48
2-Hexanone
Concen: 85.956 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

Instrument :
MSVOA_U
ClientSampleId :

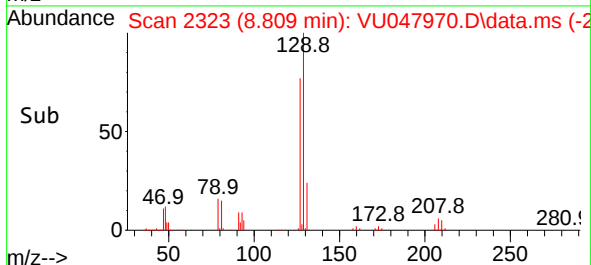
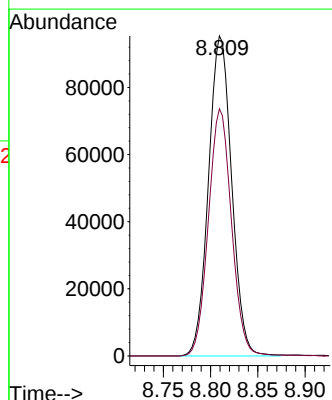
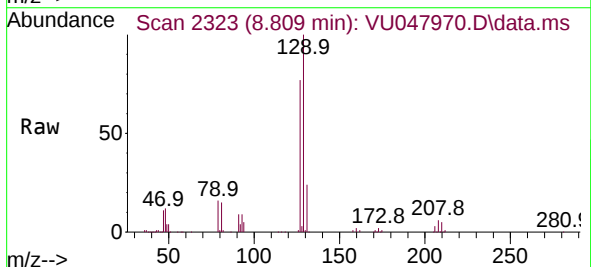


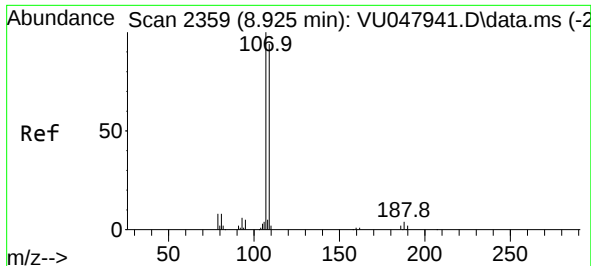
Tgt Ion: 43 Resp: 344534
Ion Ratio Lower Upper
43 100
58 58.3 48.1 72.1
57 19.9 16.2 24.4
100 13.0 11.2 16.8



#49
Dibromochloromethane
Concen: 44.934 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

Tgt Ion: 129 Resp: 162735
Ion Ratio Lower Upper
129 100
127 77.2 54.2 100.6





#50

1,2-Dibromoethane

Concen: 47.263 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

ClientSampleId :

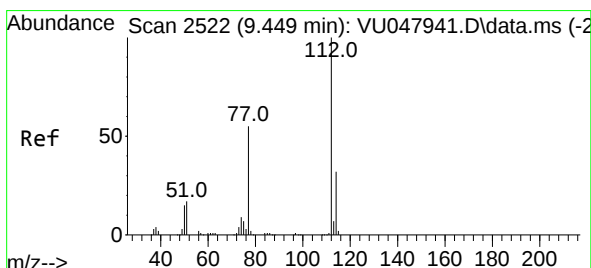
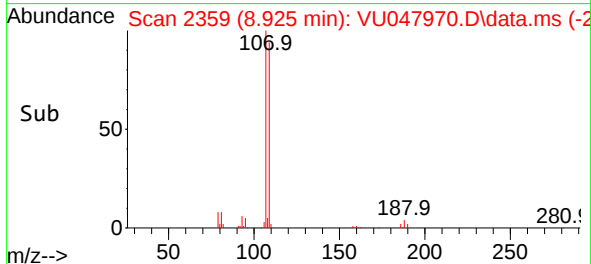
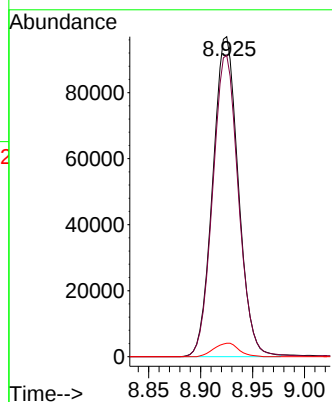
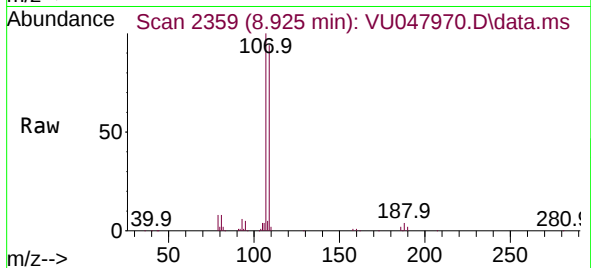
Tgt Ion:107 Resp: 165677

Ion Ratio Lower Upper

107 100

109 94.1 66.6 123.6

188 4.2 3.4 5.2



#51

Chlorobenzene

Concen: 48.155 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

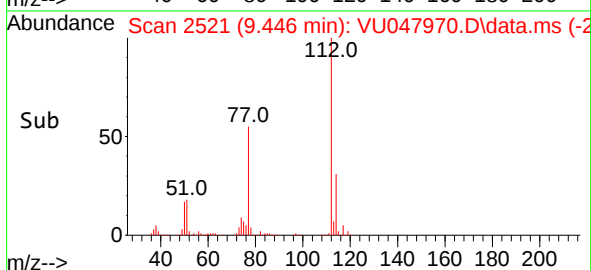
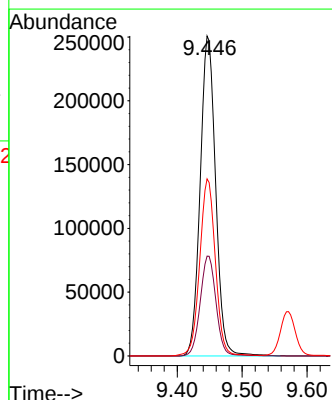
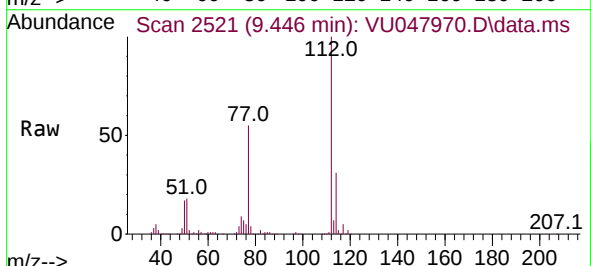
Tgt Ion:112 Resp: 416074

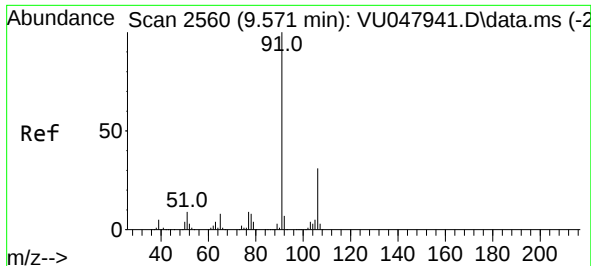
Ion Ratio Lower Upper

112 100

114 31.2 22.1 41.1

77 55.3 43.4 65.0

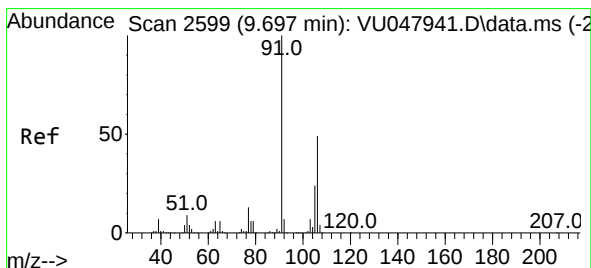
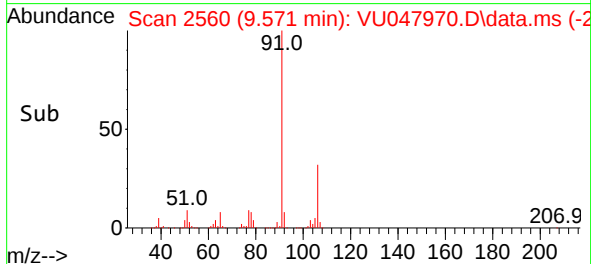
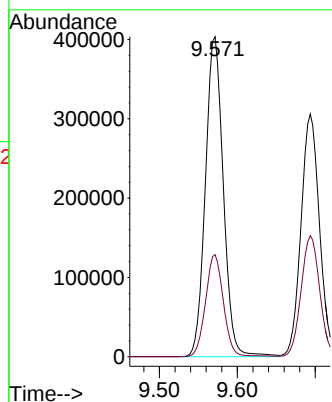
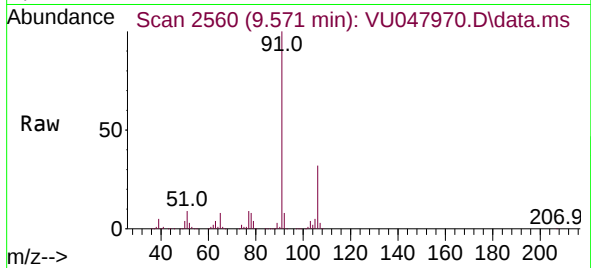




#52
Ethylbenzene
Concen: 48.174 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

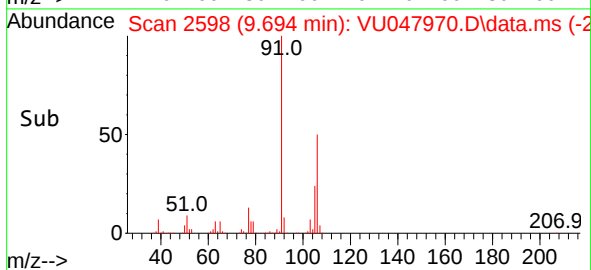
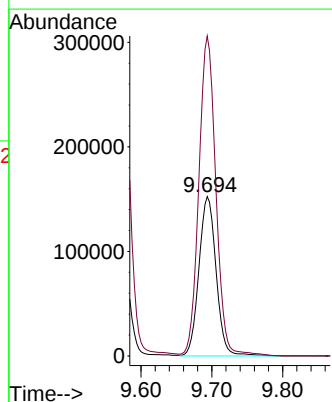
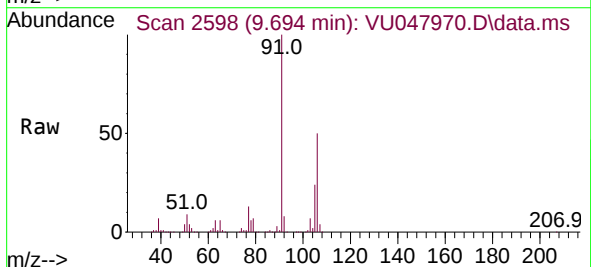
Instrument :
MSVOA_U
ClientSampleId :

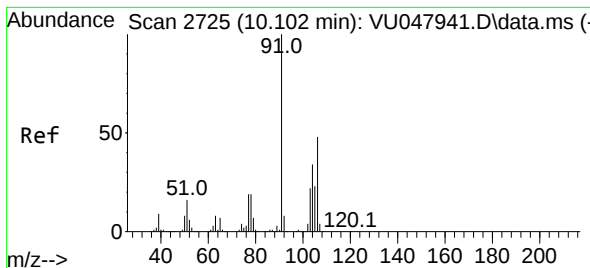
Tgt Ion: 91 Resp: 644576
Ion Ratio Lower Upper
91 100
106 31.9 22.4 41.6



#53
m,p-Xylene
Concen: 48.922 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

Tgt Ion: 106 Resp: 256849
Ion Ratio Lower Upper
106 100
91 200.7 137.7 255.7





#54

o-Xylene

Concen: 48.347 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

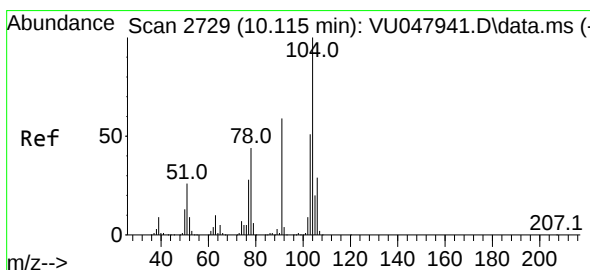
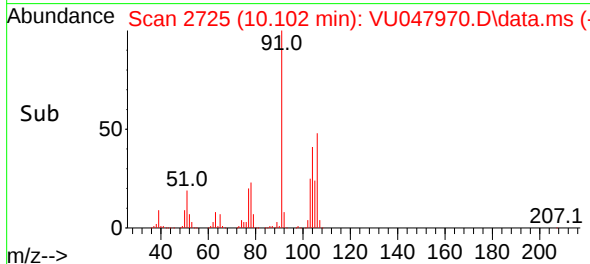
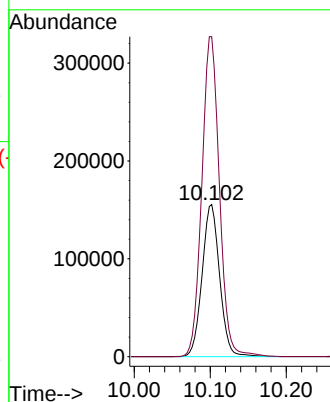
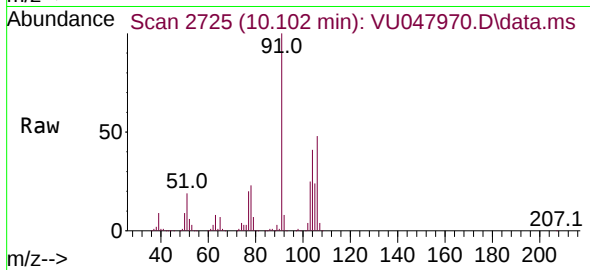
ClientSampleId :

Tgt Ion:106 Resp: 249125

Ion Ratio Lower Upper

106 100

91 210.2 146.7 272.5



#55

Styrene

Concen: 48.801 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU047970.D

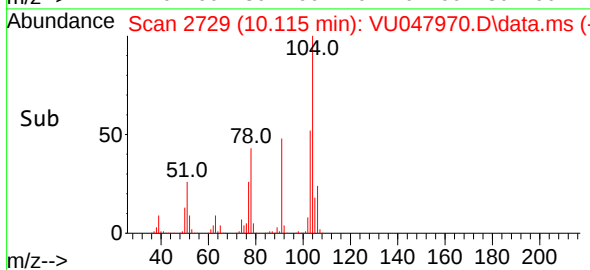
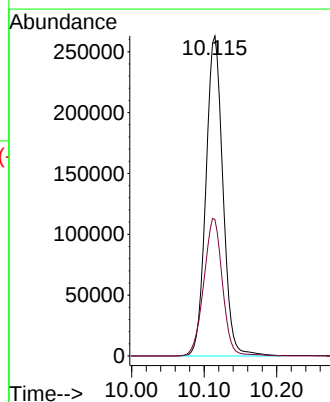
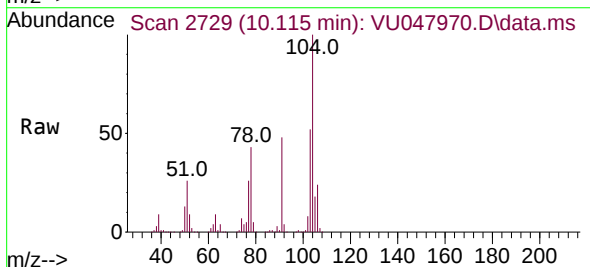
Acq: 12 Apr 2022 20:45

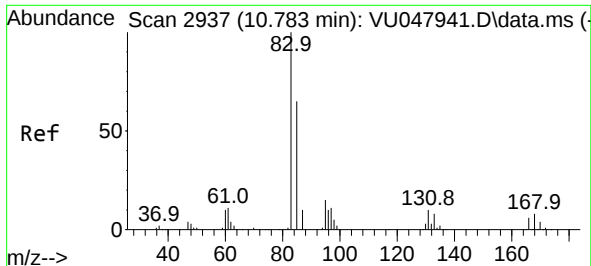
Tgt Ion:104 Resp: 429333

Ion Ratio Lower Upper

104 100

78 42.6 30.4 56.4





#57

1,1,2,2-Tetrachloroethane

Concen: 46.176 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

ClientSampleId :

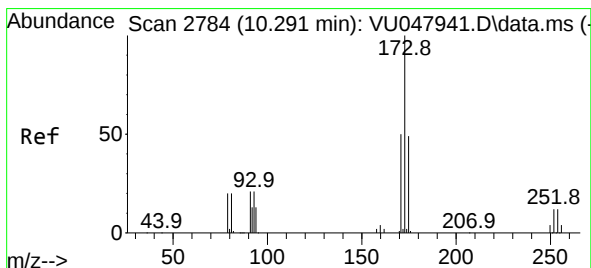
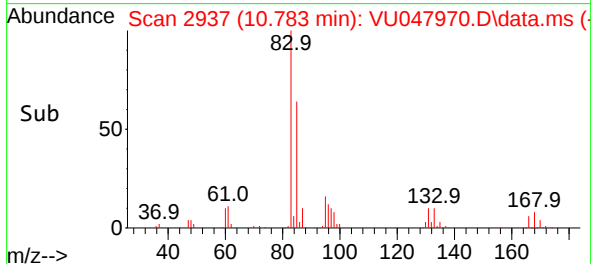
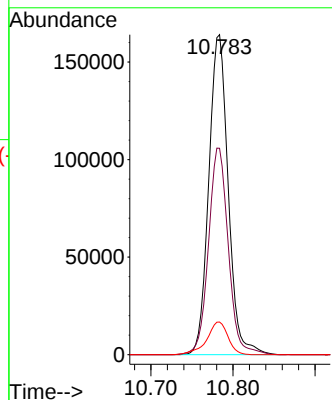
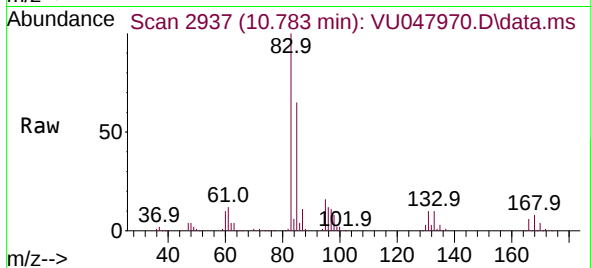
Tgt Ion: 83 Resp: 270686

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.3

131 10.2 8.6 13.0



#59

Bromoform

Concen: 44.001 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

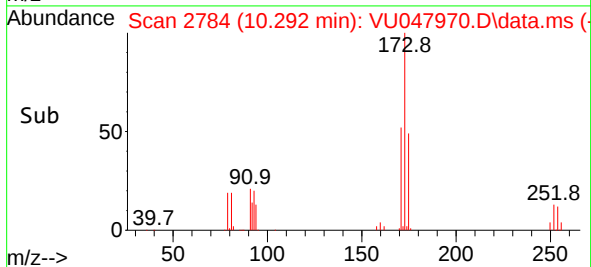
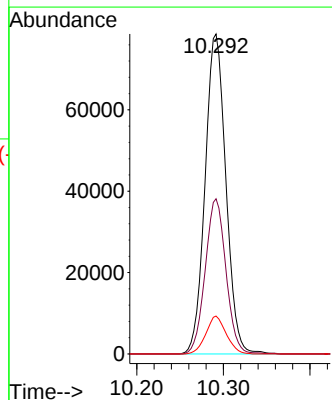
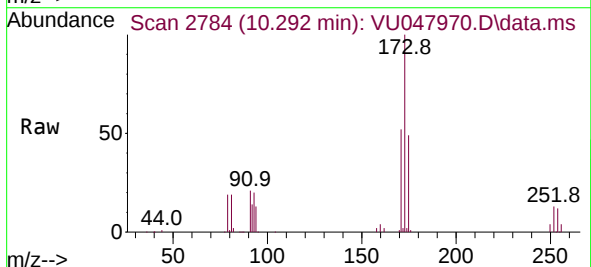
Tgt Ion: 173 Resp: 131208

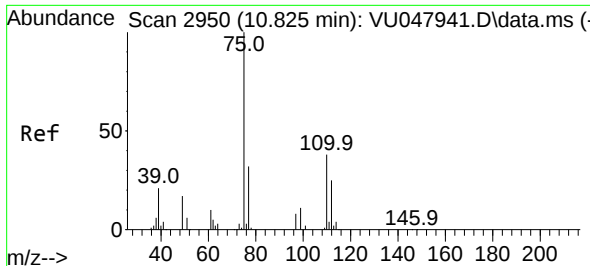
Ion Ratio Lower Upper

173 100

175 48.3 38.7 58.1

254 11.6 9.6 14.4

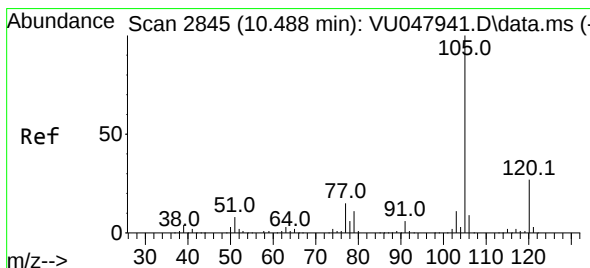
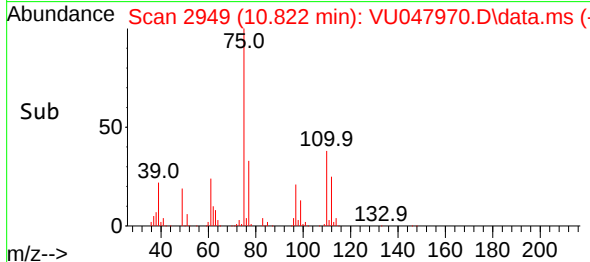
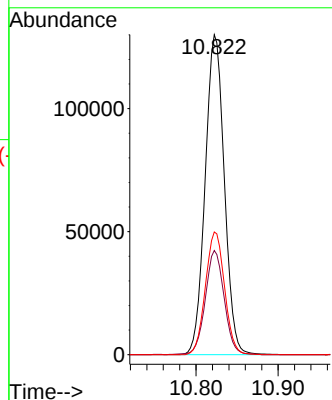
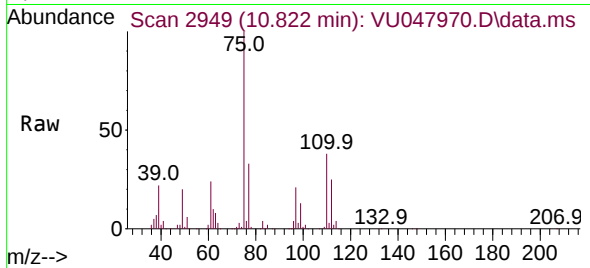




#60
1,2,3-Trichloropropane
Concen: 47.972 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

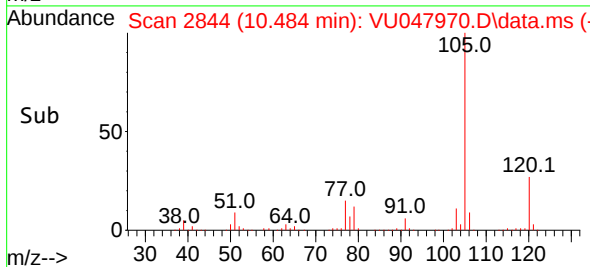
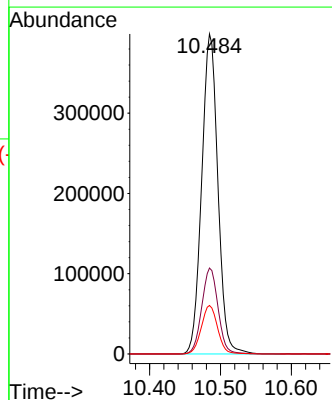
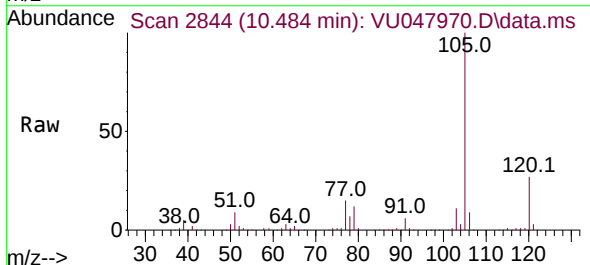
Instrument :
MSVOA_U
ClientSampleId :

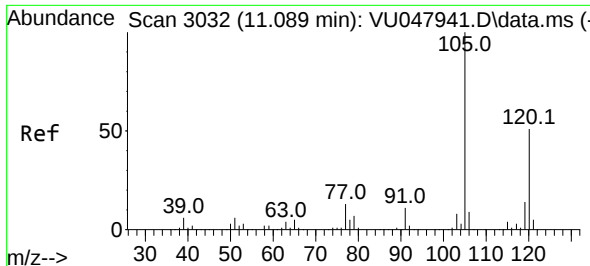
Tgt Ion: 75 Resp: 210895
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 38.3 31.4 47.2



#61
Isopropylbenzene
Concen: 50.149 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

Tgt Ion: 105 Resp: 632033
Ion Ratio Lower Upper
105 100
120 27.0 21.9 32.9
77 15.2 12.1 18.1

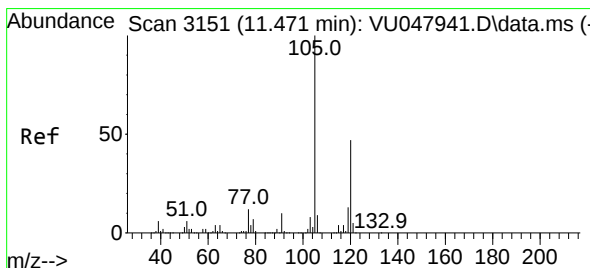
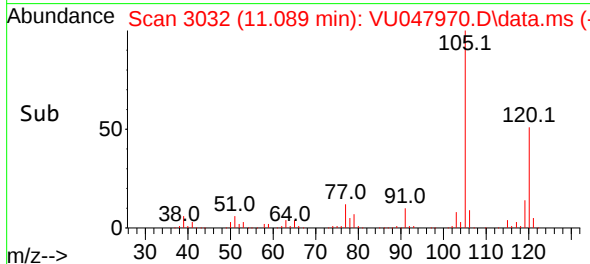
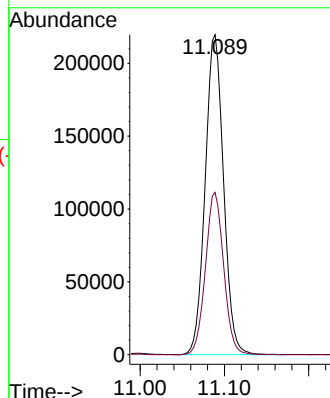
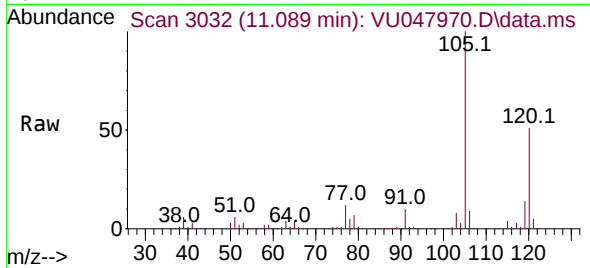




#62
1,3,5-Trimethylbenzene
Concen: 48.779 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

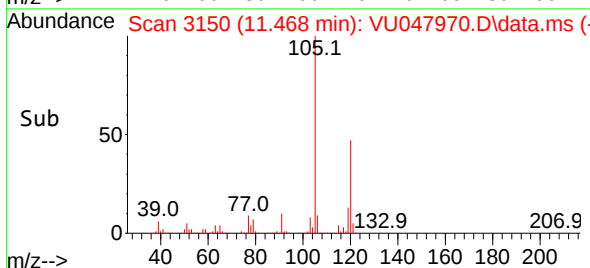
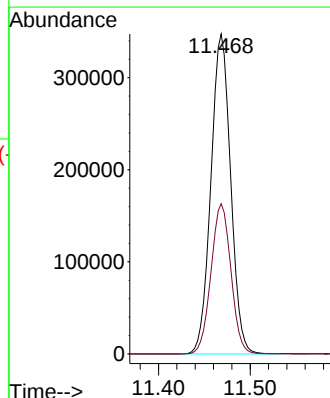
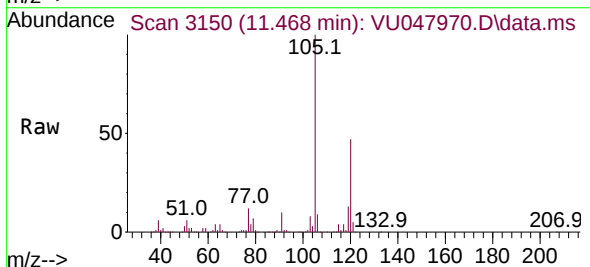
Instrument :
MSVOA_U
ClientSampleId :

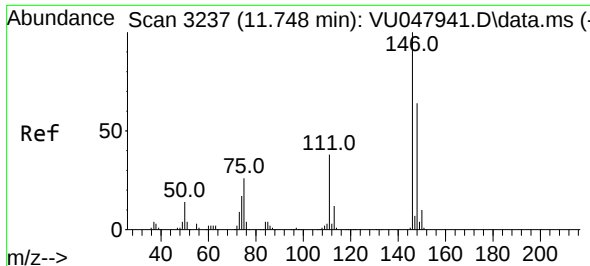
Tgt Ion:105 Resp: 333561
Ion Ratio Lower Upper
105 100
120 50.3 40.8 61.2



#63
1,2,4-Trimethylbenzene
Concen: 49.949 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

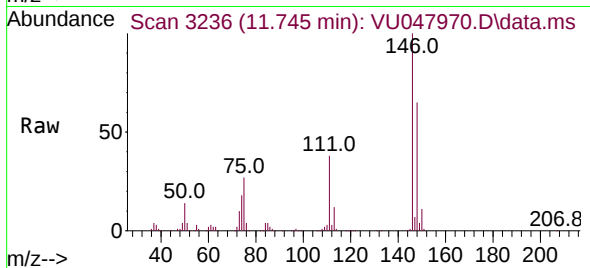
Tgt Ion:105 Resp: 518816
Ion Ratio Lower Upper
105 100
120 47.3 37.6 56.4



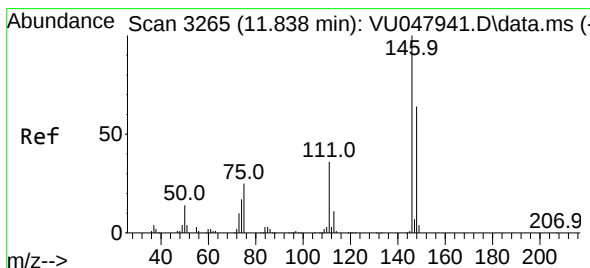
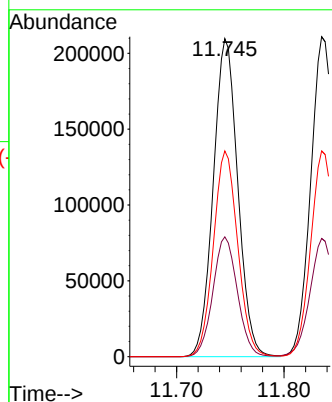
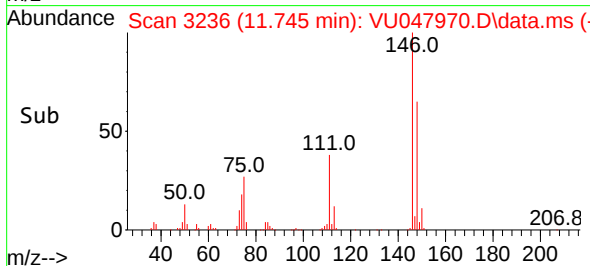


#64
1,3-Dichlorobenzene
Concen: 47.412 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45

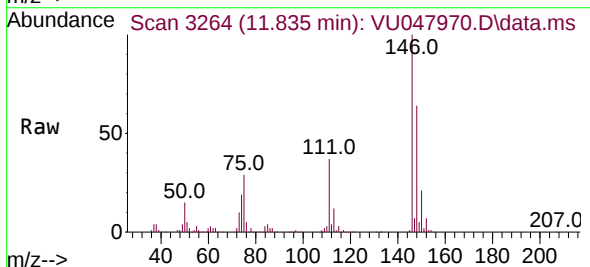
Instrument :
MSVOA_U
ClientSampleId :



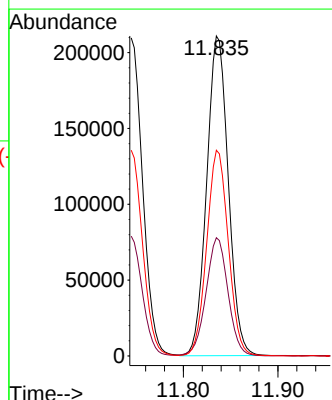
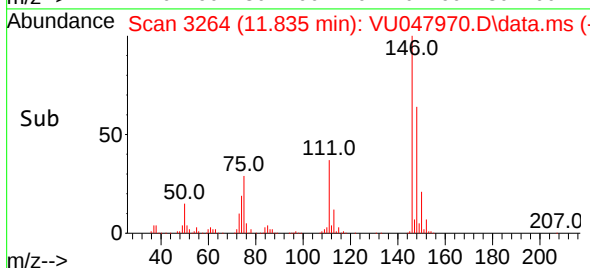
Tgt Ion:146 Resp: 332128
Ion Ratio Lower Upper
146 100
111 37.7 26.7 49.7
148 64.7 44.4 82.5

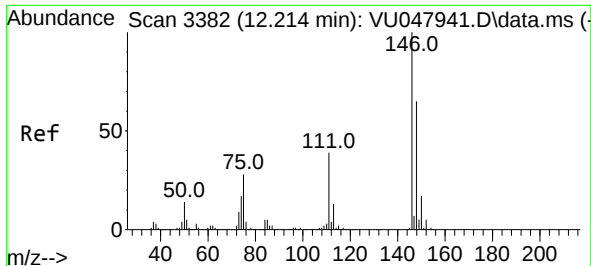


#65
1,4-Dichlorobenzene
Concen: 46.071 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU047970.D
Acq: 12 Apr 2022 20:45



Tgt Ion:146 Resp: 334284
Ion Ratio Lower Upper
146 100
111 37.0 25.3 47.1
148 64.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 47.858 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

ClientSampleId :

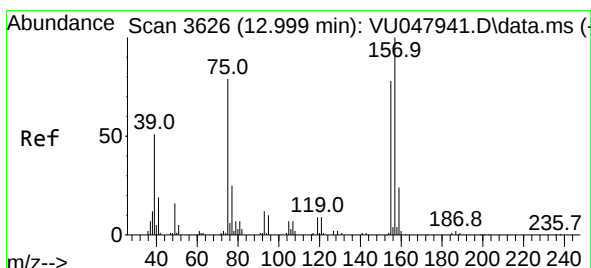
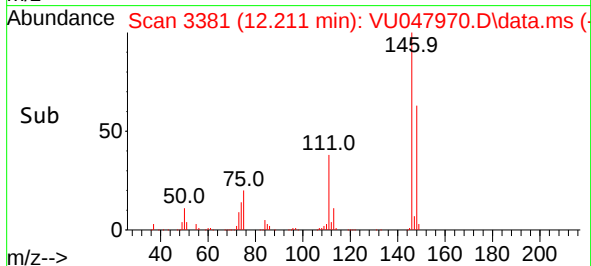
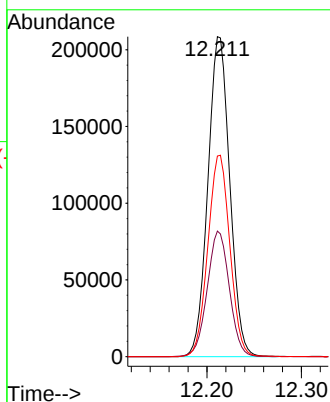
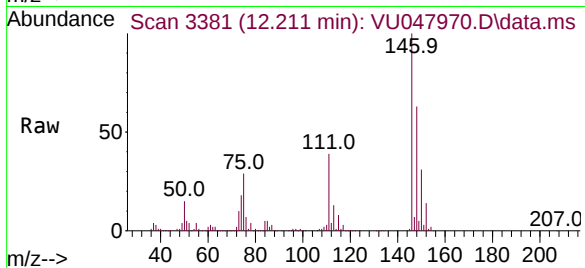
Tgt Ion:146 Resp: 335453

Ion Ratio Lower Upper

146 100

111 39.3 31.7 47.5

148 62.7 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 42.805 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

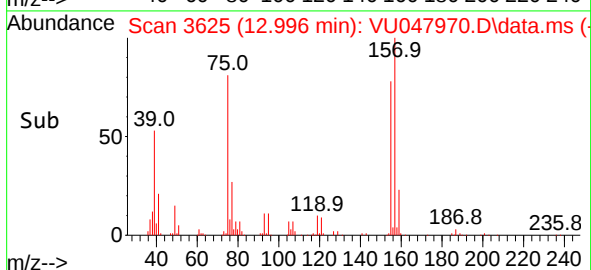
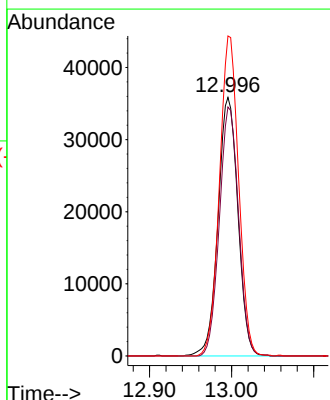
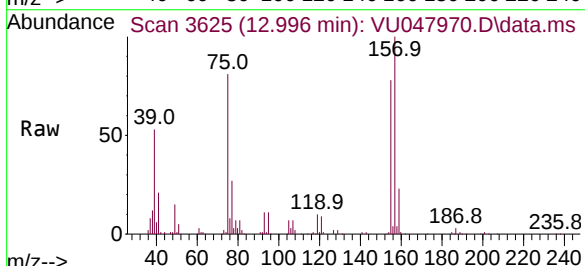
Tgt Ion: 75 Resp: 60278

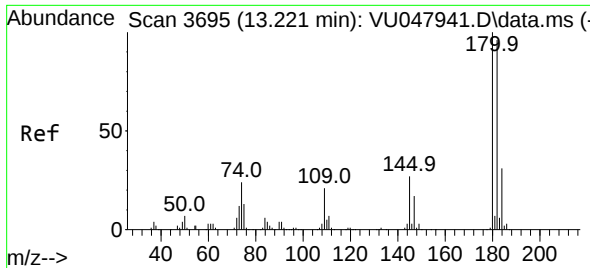
Ion Ratio Lower Upper

75 100

155 96.3 78.9 118.3

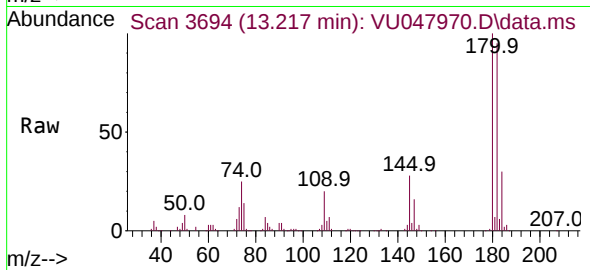
157 123.7 97.5 146.3



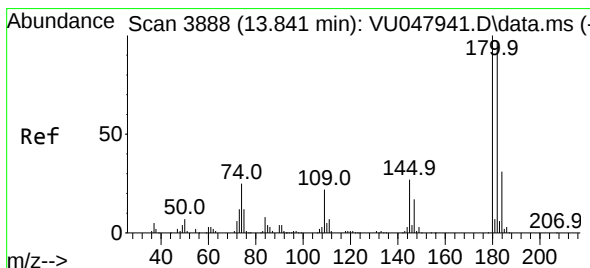
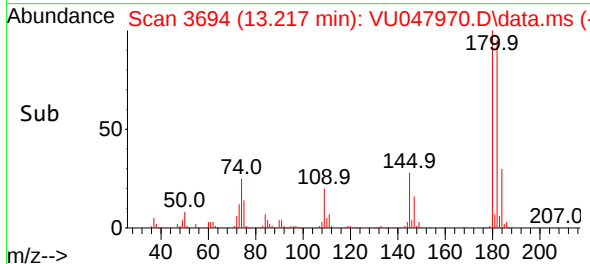
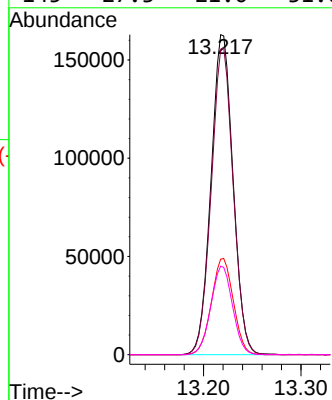


#69
 1,3,5-Trichlorobenzene
 Concen: 44.945 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.003 min
 Lab File: VU047970.D
 Acq: 12 Apr 2022 20:45

Instrument :
 MSVOA_U
 ClientSampleId :

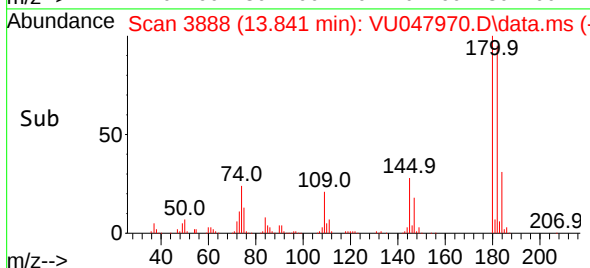
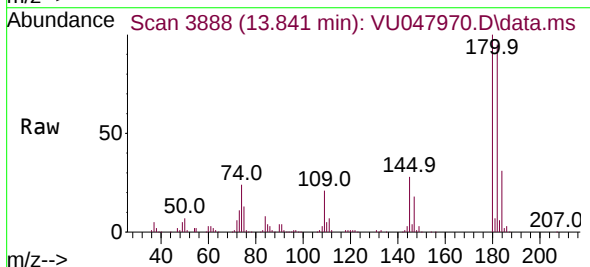
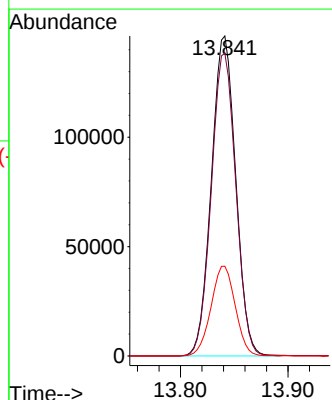


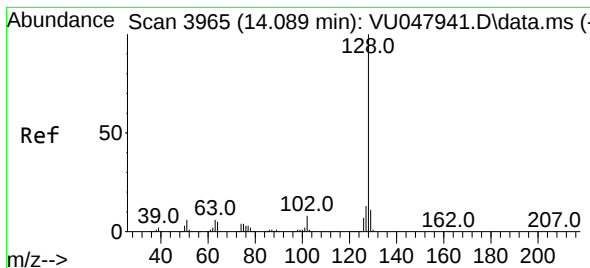
Tgt Ion:180 Resp: 255698
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.6
 184 30.0 24.5 36.7
 145 27.3 21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 46.169 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU047970.D
 Acq: 12 Apr 2022 20:45

Tgt Ion:180 Resp: 230068
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.2
 145 28.0 21.8 32.8





#71

Naphthalene

Concen: 46.547 ug/L

RT: 14.086 min Scan# 3965

Delta R.T. -0.003 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Instrument :

MSVOA_U

ClientSampleId :

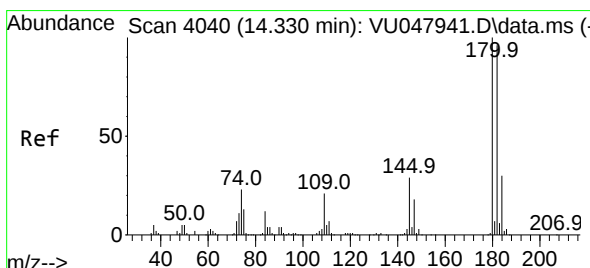
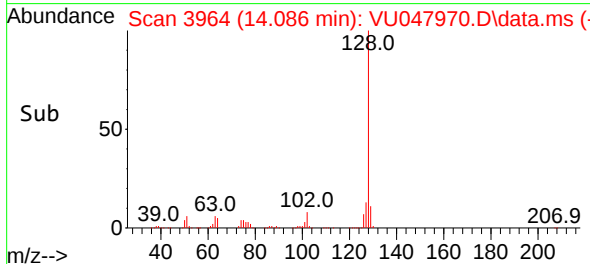
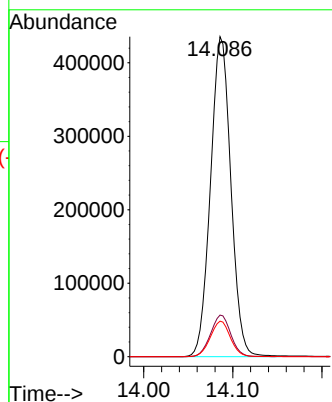
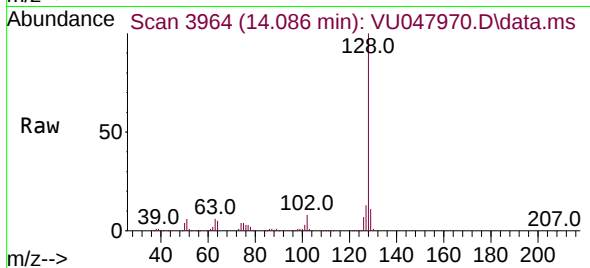
Tgt Ion:128 Resp: 691542

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 47.368 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU047970.D

Acq: 12 Apr 2022 20:45

Tgt Ion:180 Resp: 236629

Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.0

145 28.9 22.8 34.2

