

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112423\
 Data File : VU056607.D
 Acq On : 24 Nov 2023 12:53
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 25 01:39:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 25 01:37:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	266763	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	261710	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	133933	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	100860	5.055	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.000%
7) Chloroethane-d5	1.908	69	70660	4.619	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.563	65	43395	4.928	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.600%
20) 2-Butanone-d5	4.618	46	221254	55.610	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.220%
24) Chloroform-d	5.055	84	203214	5.265	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.400%
26) 1,2-Dichloroethane-d4	5.695	65	96453	5.408	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	5.721	84	385039	4.938	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.685	67	123158	5.241	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.800%
41) Toluene-d8	7.894	98	356665	5.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
43) trans-1,3-Dichloroprop...	8.174	79	48117	5.339	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.800%
46) 2-Hexanone-d5	8.627	63	194803	55.000	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.000%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	87628	5.218	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	123994	5.011	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	102728	4.860	ug/L	97
3) Chloromethane	1.515	50	96838	4.483	ug/L	97
5) Vinyl chloride	1.602	62	98205	4.719	ug/L	94
6) Bromomethane	1.853	94	44426	4.218	ug/L	97
8) Chloroethane	1.930	64	55601	4.374	ug/L	98
9) Trichlorofluoromethane	2.133	101	163121	5.439	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	96606	5.426	ug/L	99
12) 1,1-Dichloroethene	2.576	96	82232	5.036	ug/L	95
13) Acetone	2.628	43	145428	42.916	ug/L	98
14) Carbon disulfide	2.789	76	222201	4.181	ug/L	98
15) Methyl Acetate	2.946	43	30878	5.120	ug/L	98
16) Methylene chloride	3.039	84	104939	4.856	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	211416	5.329	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	84600	5.035	ug/L	98
19) 1,1-Dichloroethane	3.862	63	177479	5.333	ug/L	96
21) 2-Butanone	4.702	43	208827	47.492	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	97925	5.139	ug/L	99
23) Bromochloromethane	4.968	128	41579	5.301	ug/L	94
25) Chloroform	5.081	83	193480	5.366	ug/L	95

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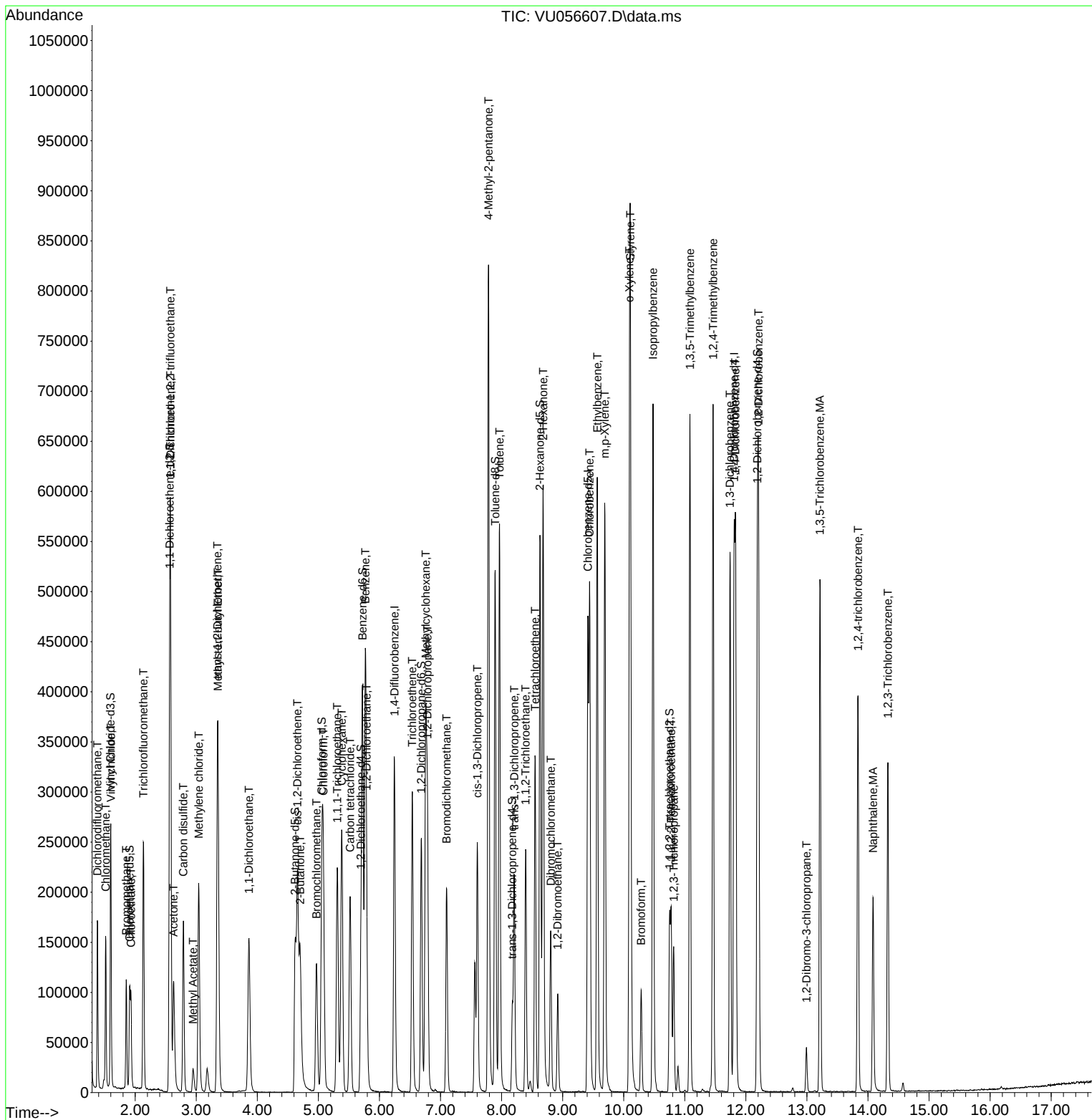
Instrument :
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 ClientSampleId :

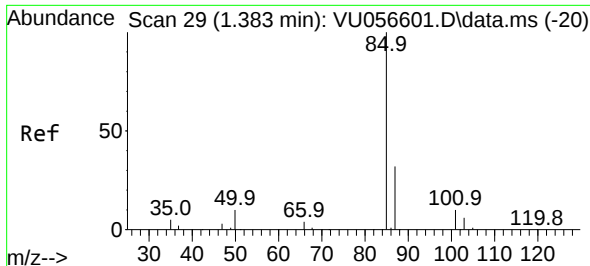
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	115403	5.637	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	165250	5.501	ug/L	100
30) Cyclohexane	5.380	56	128020	4.490	ug/L	99
31) Carbon tetrachloride	5.518	117	137271	5.320	ug/L	99
33) Benzene	5.769	78	390566	5.230	ug/L	100
34) Trichloroethene	6.538	95	106454	5.232	ug/L	98
35) Methylcyclohexane	6.759	83	140823	4.794	ug/L	97
37) 1,2-Dichloropropane	6.785	63	106948	5.492	ug/L	100
38) Bromodichloromethane	7.097	83	137446	5.467	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	153826	5.376	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	517524	53.611	ug/L	99
42) Toluene	7.965	91	422521	5.465	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	128619	5.638	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	73943	5.701	ug/L	97
47) Tetrachloroethene	8.547	164	72727	5.301	ug/L	96
48) 2-Hexanone	8.679	43	371800	49.439	ug/L	99
49) Dibromochloromethane	8.804	129	82386	5.586	ug/L	95
50) 1,2-Dibromoethane	8.917	107	63534	5.189	ug/L	99
51) Chlorobenzene	9.441	112	260271	5.239	ug/L	98
52) Ethylbenzene	9.566	91	452436	5.270	ug/L	98
53) m,p-Xylene	9.689	106	171607	5.437	ug/L	100
54) o-Xylene	10.094	106	165461	5.397	ug/L	99
55) Styrene	10.110	104	284027	5.570	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	88501	5.589	ug/L #	97
59) Bromoform	10.283	173	46056	5.520	ug/L	97
60) Isopropylbenzene	10.480	105	458965	5.314	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	59542	5.181	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	376884	5.314	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	376596	5.380	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	216788	5.518	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	207071	5.254	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	202032	5.605	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	13037	5.311	ug/L	89
69) 1,3,5-Trichlorobenzene	13.213	180	155087	5.243	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	118220	4.907	ug/L	99
71) Naphthalene	14.084	128	165973	4.559	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	100451	5.061	ug/L	98

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

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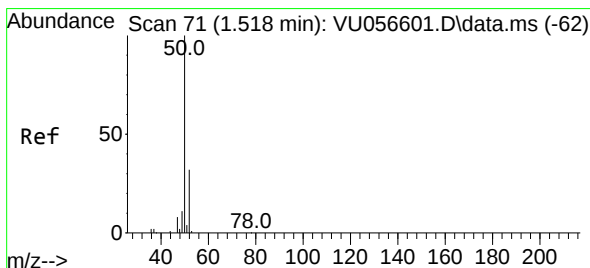
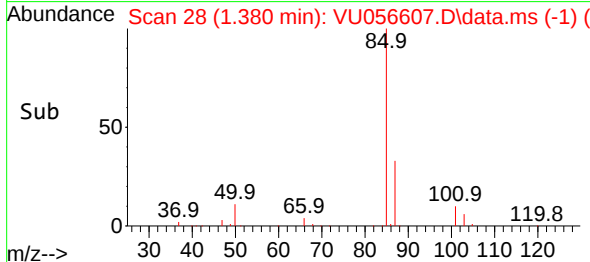
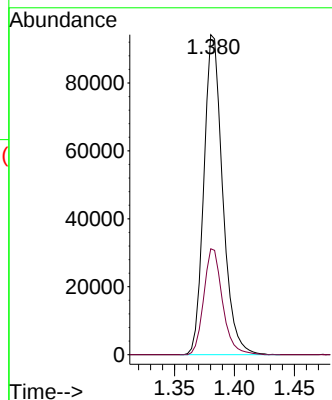
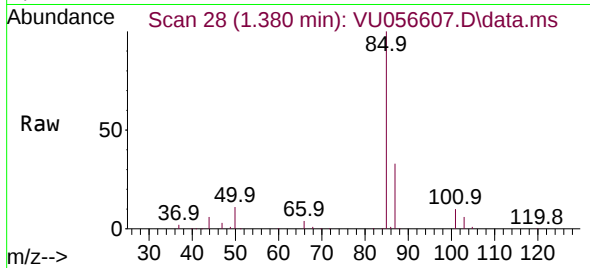




#2
 Dichlorodifluoromethane
 Concen: 4.860 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU056607.D
 Acq: 24 Nov 2023 12:53

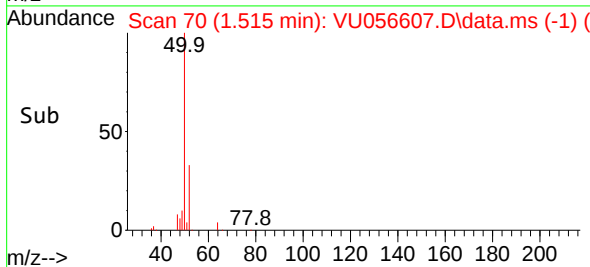
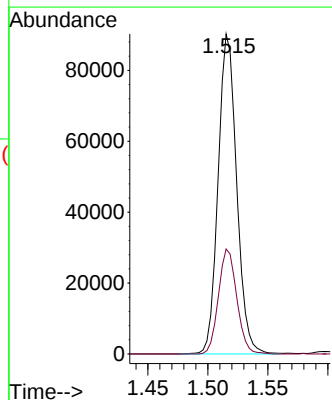
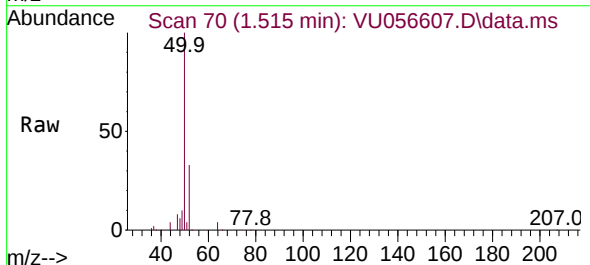
Instrument :
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 ClientSampleId :

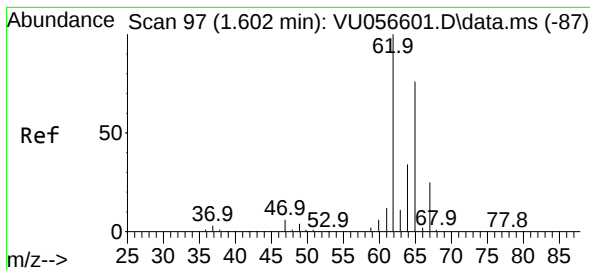
Tgt Ion: 85 Resp: 102728
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.0 37.4



#3
 Chloromethane
 Concen: 4.483 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU056607.D
 Acq: 24 Nov 2023 12:53

Tgt Ion: 50 Resp: 96838
 Ion Ratio Lower Upper
 50 100
 52 32.8 24.3 45.1

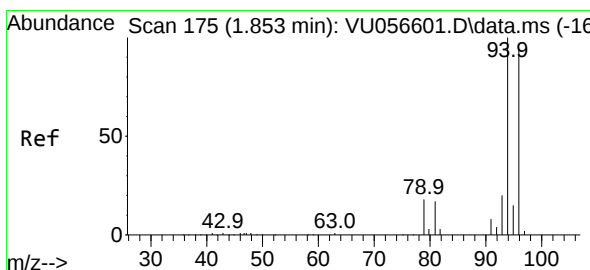
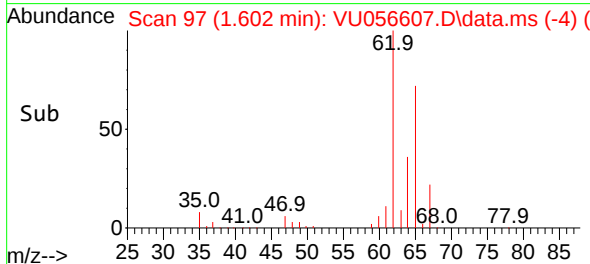
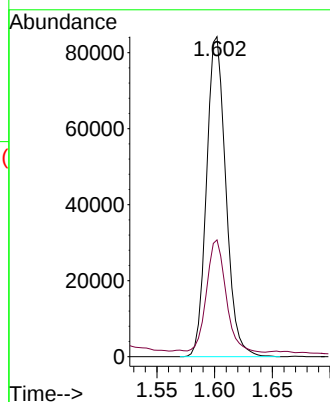
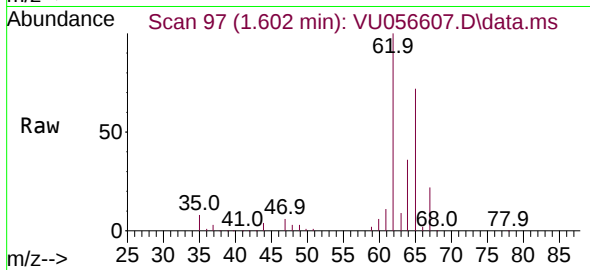




#5
 Vinyl chloride
 Concen: 4.719 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056607.D
 Acq: 24 Nov 2023 12:53

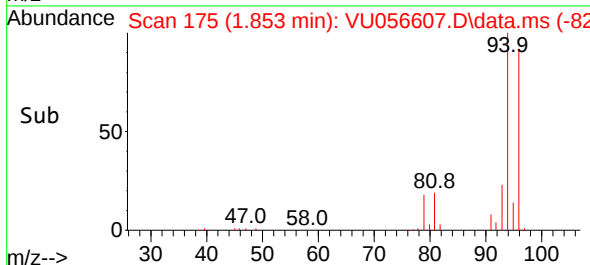
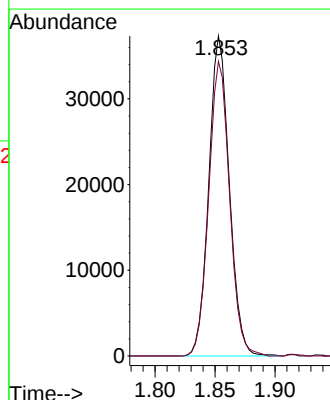
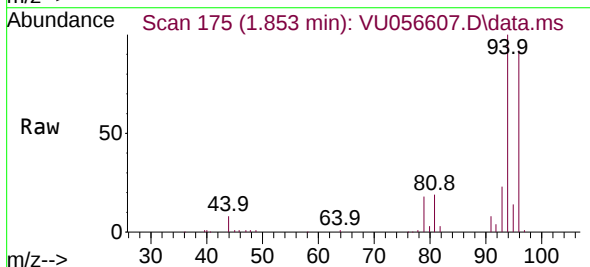
Instrument :
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 ClientSampleId :

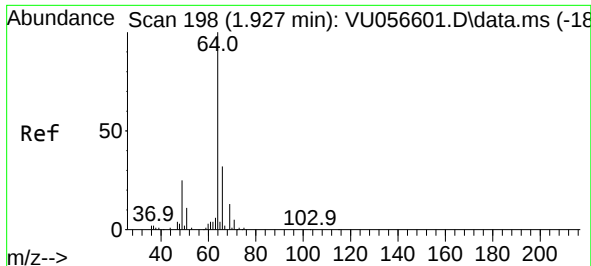
Tgt Ion: 62 Resp: 98205
 Ion Ratio Lower Upper
 62 100
 64 36.5 23.3 43.3



#6
 Bromomethane
 Concen: 4.218 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU056607.D
 Acq: 24 Nov 2023 12:53

Tgt Ion: 94 Resp: 44426
 Ion Ratio Lower Upper
 94 100
 96 92.0 62.6 116.2





#8

Chloroethane

Concen: 4.374 ug/L

RT: 1.930 min Scan# 198

Delta R.T. 0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

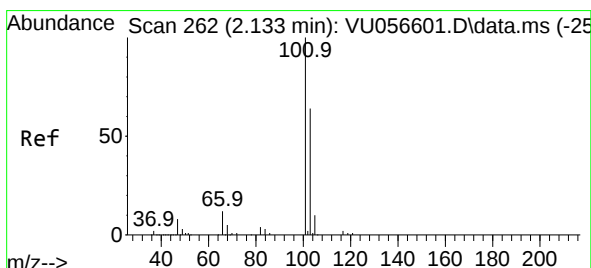
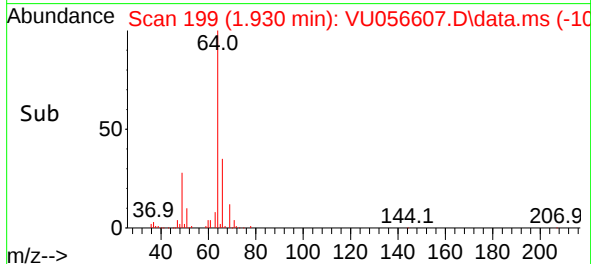
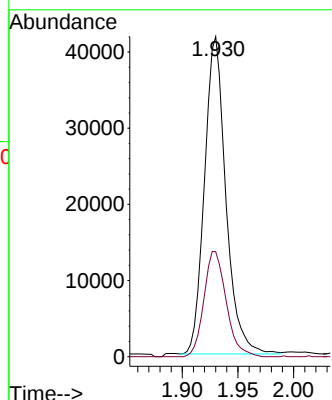
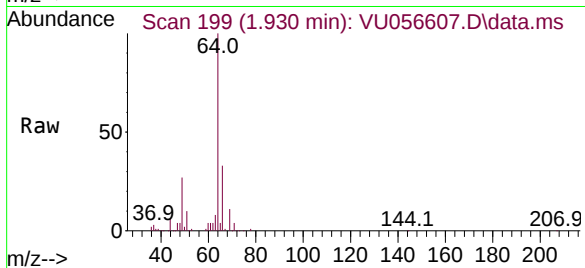
ClientSampleId :

Tgt Ion: 64 Resp: 55601

Ion Ratio Lower Upper

64 100

66 32.8 23.9 44.5



#9

Trichlorofluoromethane

Concen: 5.439 ug/L

RT: 2.133 min Scan# 262

Delta R.T. 0.000 min

Lab File: VU056607.D

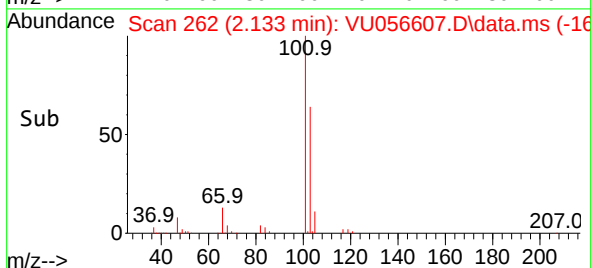
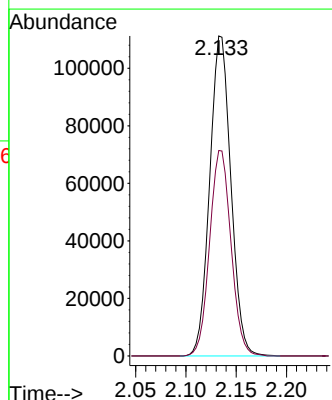
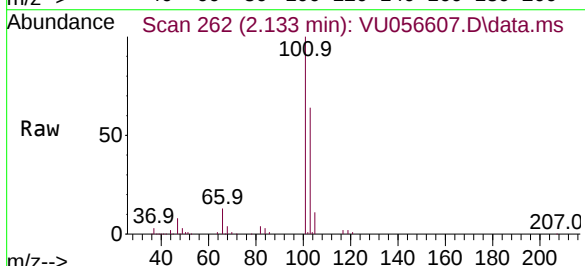
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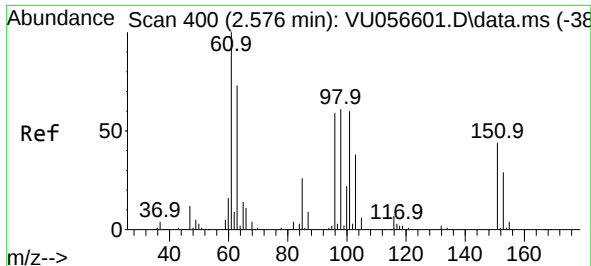
Tgt Ion:101 Resp: 163121

Ion Ratio Lower Upper

101 100

103 64.7 52.0 78.0

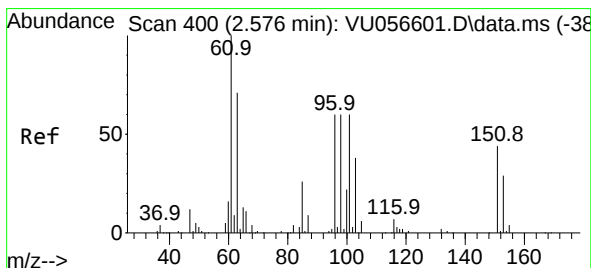
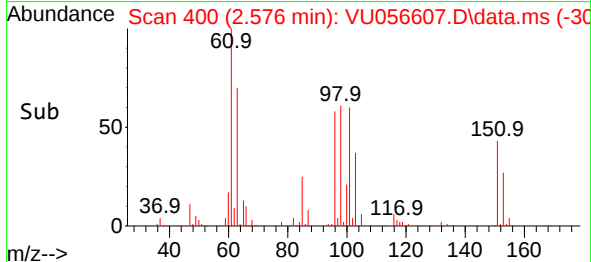
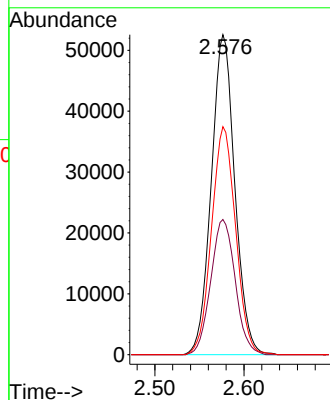
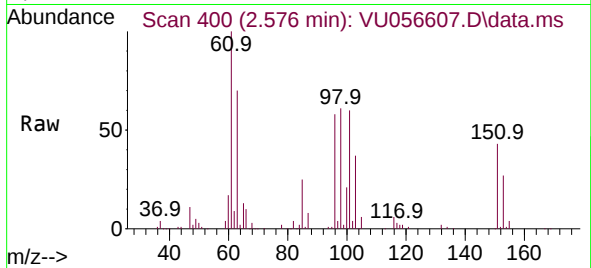




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.426 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

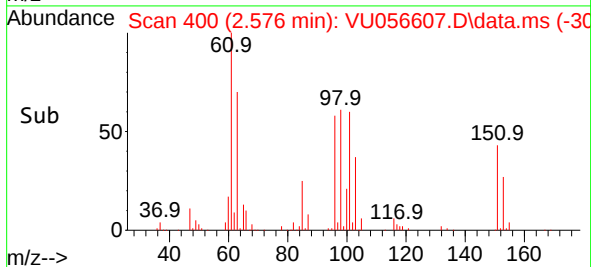
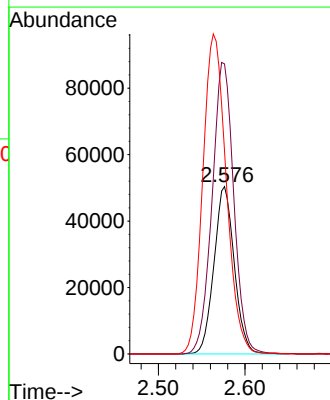
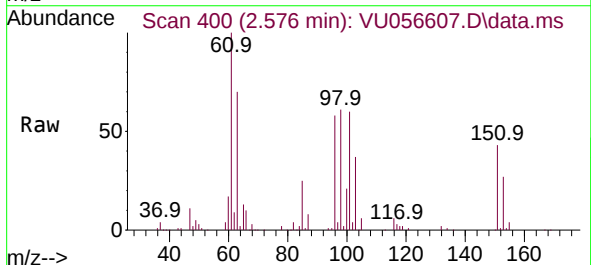
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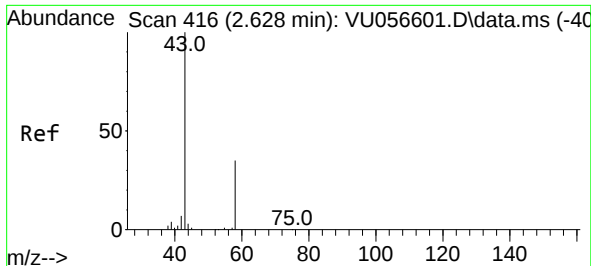
Tgt Ion:101 Resp: 96606
Ion Ratio Lower Upper
101 100
85 43.8 35.4 53.0
151 72.9 58.0 87.0



#12
1,1-Dichloroethene
Concen: 5.036 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion: 96 Resp: 82232
Ion Ratio Lower Upper
96 100
61 173.3 123.1 228.7
63 121.3 93.3 173.3





#13

Acetone

Concen: 42.916 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.000 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

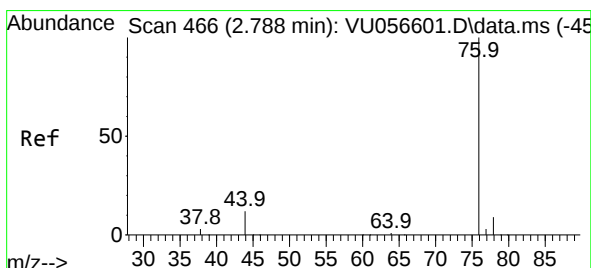
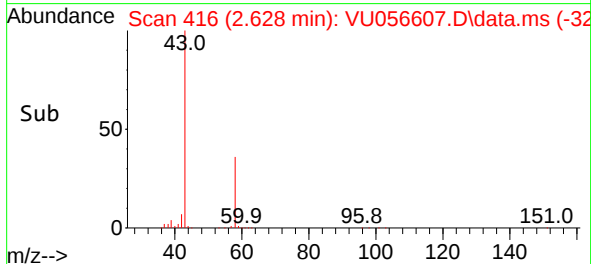
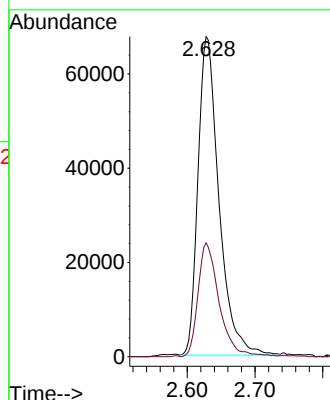
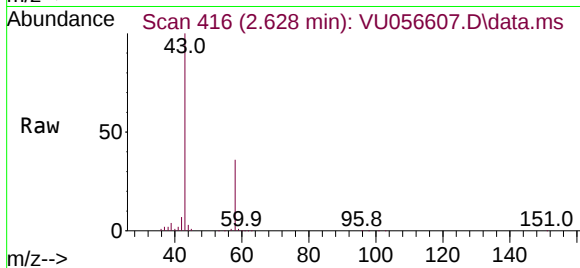
ClientSampleId :

Tgt Ion: 43 Resp: 145428

Ion Ratio Lower Upper

43 100

58 35.9 0.0 70.0



#14

Carbon disulfide

Concen: 4.181 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056607.D

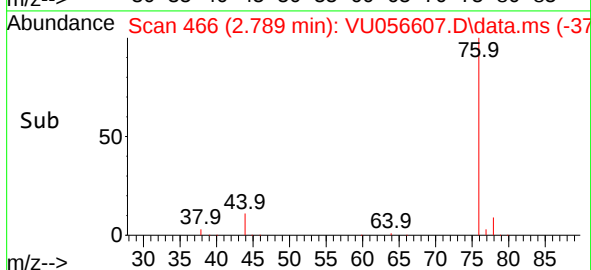
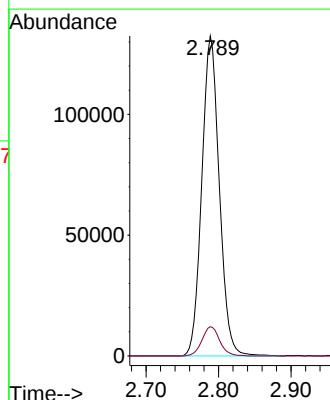
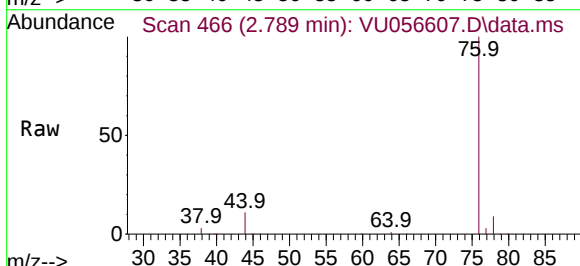
Acq: 24 Nov 2023 12:53

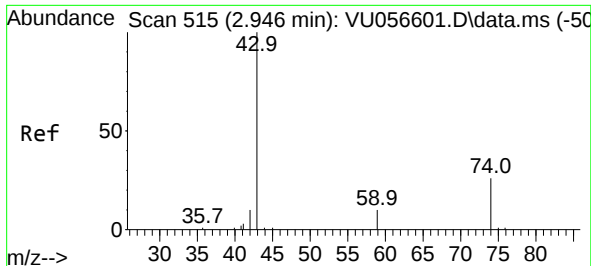
Tgt Ion: 76 Resp: 222201

Ion Ratio Lower Upper

76 100

78 9.1 6.8 10.2

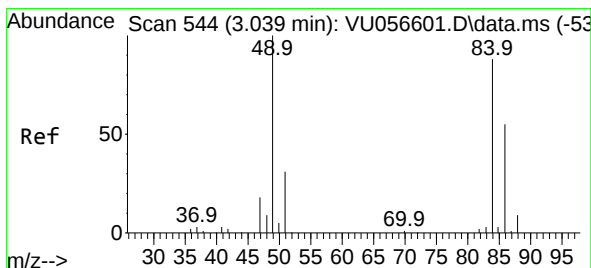
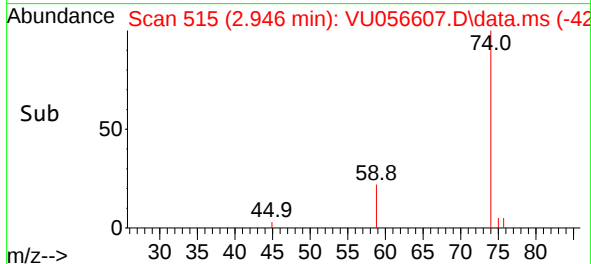
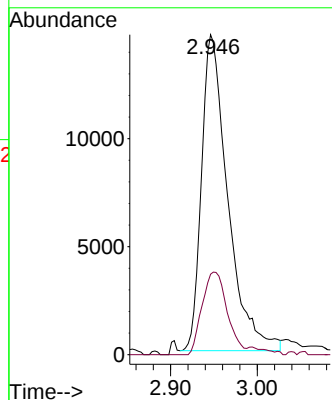
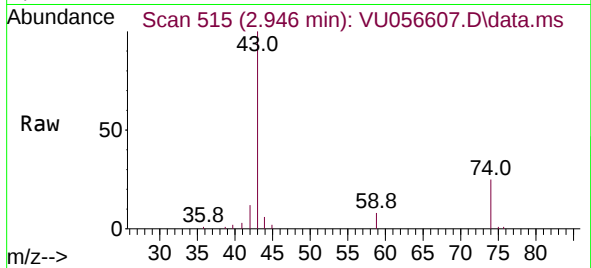




#15
Methyl Acetate
Concen: 5.120 ug/L
RT: 2.946 min Scan# 515
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

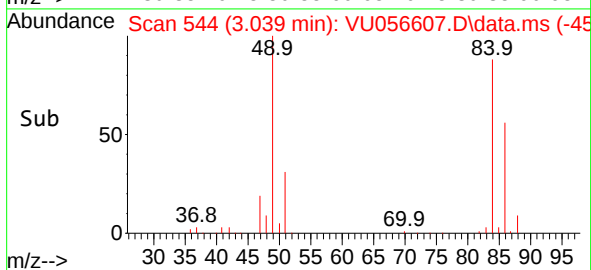
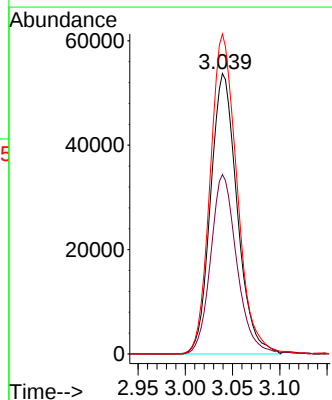
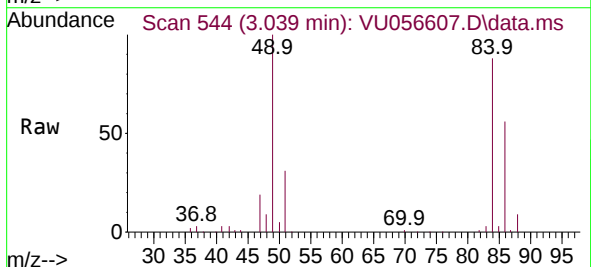
Instrument :
MSVOA_U
ClientSampleId :

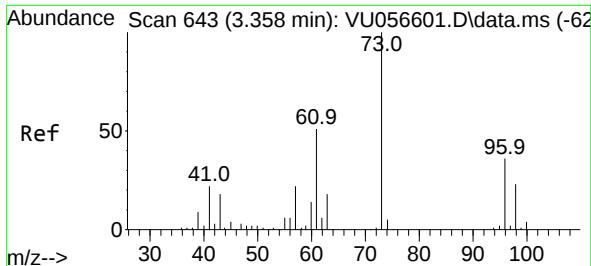
Tgt Ion: 43 Resp: 30878
Ion Ratio Lower Upper
43 100
74 25.0 20.6 31.0



#16
Methylene chloride
Concen: 4.856 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion: 84 Resp: 104939
Ion Ratio Lower Upper
84 100
86 64.0 44.7 83.1
49 114.1 81.8 152.0

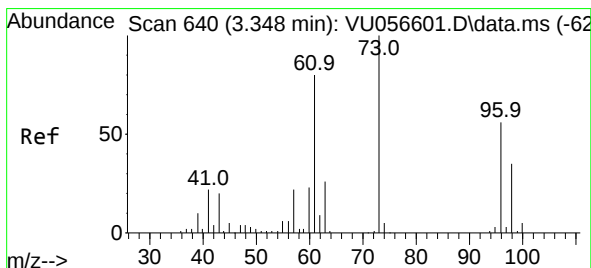
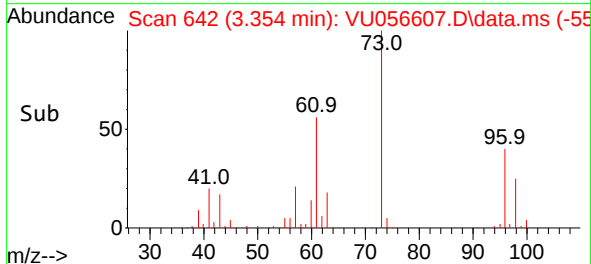
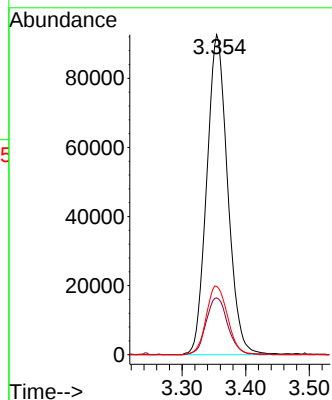
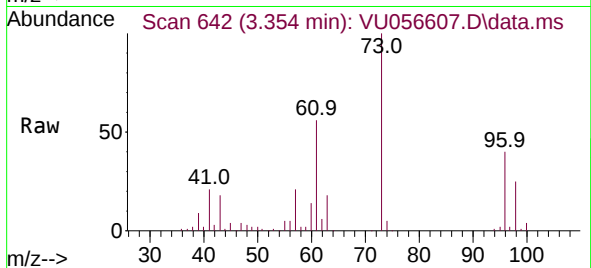




#17
Methyl tert-butyl Ether
Concen: 5.329 ug/L
RT: 3.354 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

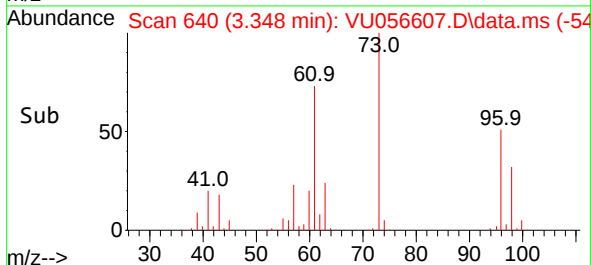
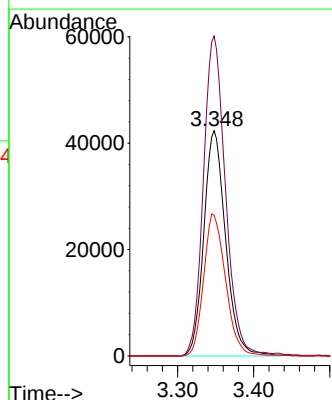
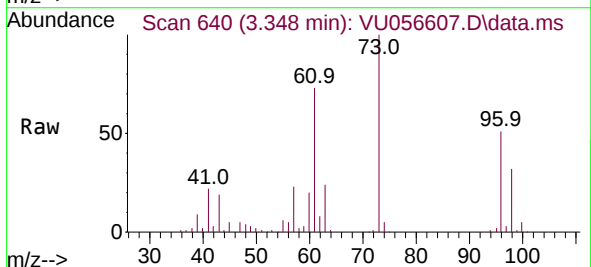
Instrument :
MSVOA_U
ClientSampleId :

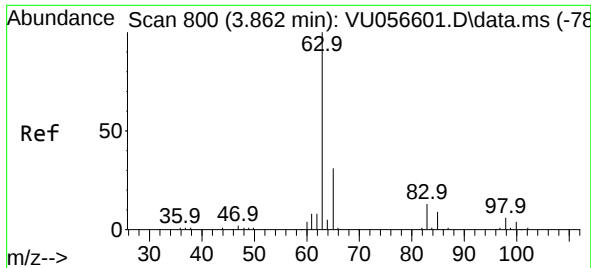
Tgt Ion: 73 Resp: 211416
Ion Ratio Lower Upper
73 100
43 18.6 15.1 22.7
57 22.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.035 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion: 96 Resp: 84600
Ion Ratio Lower Upper
96 100
61 142.0 101.7 188.9
98 62.6 43.0 80.0

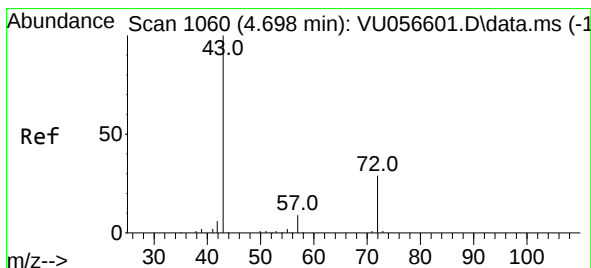
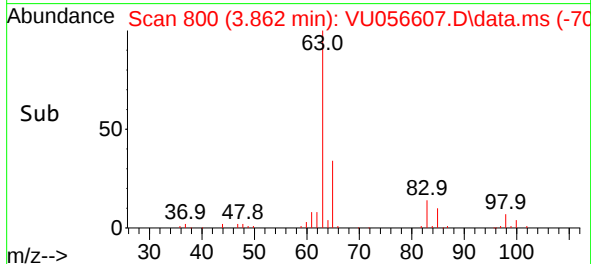
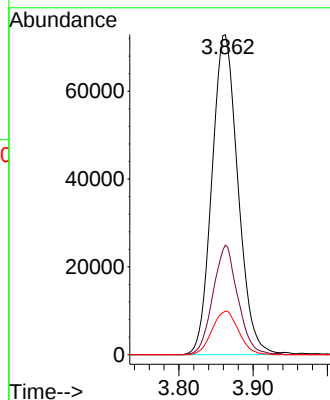
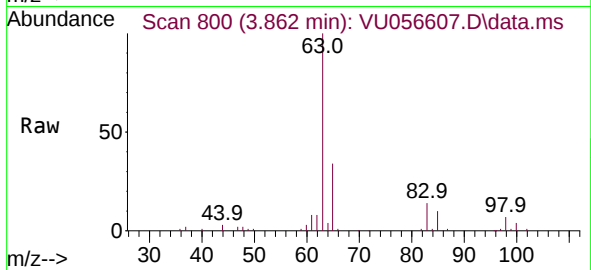




#19
1,1-Dichloroethane
Concen: 5.333 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

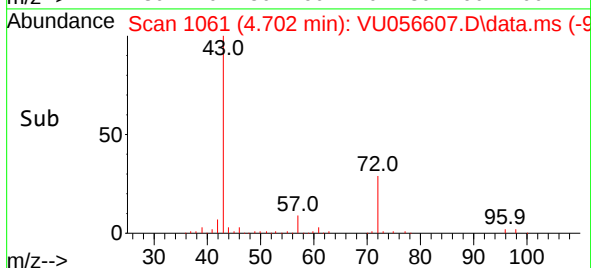
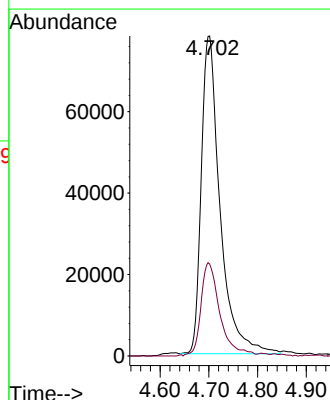
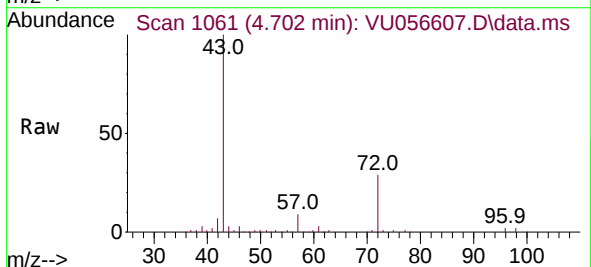
Instrument :
MSVOA_U
ClientSampleId :

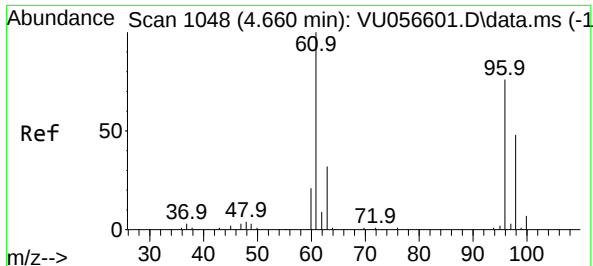
Tgt Ion: 63 Resp: 177479
Ion Ratio Lower Upper
63 100
65 34.3 21.8 40.6
83 13.6 9.7 17.9



#21
2-Butanone
Concen: 47.492 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. 0.003 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion: 43 Resp: 208827
Ion Ratio Lower Upper
43 100
72 29.6 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 5.139 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

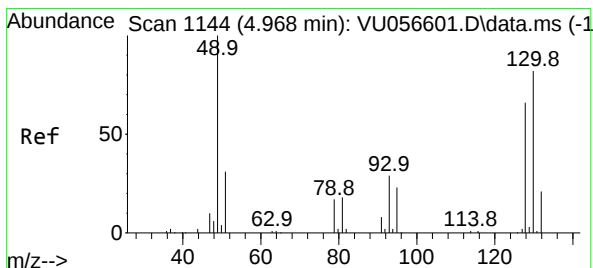
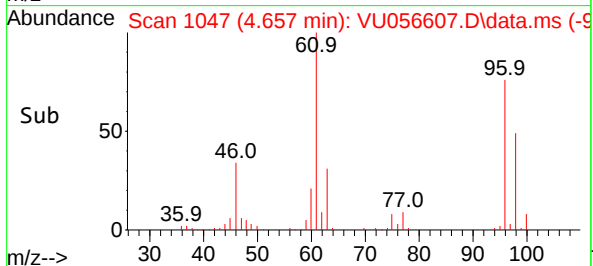
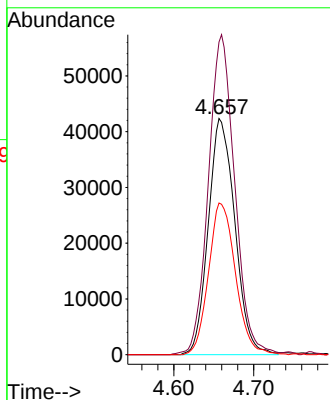
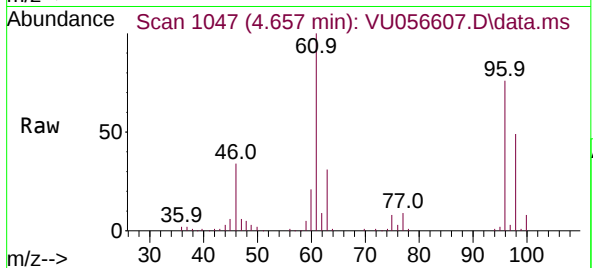
Tgt Ion: 96 Resp: 97925

Ion Ratio Lower Upper

96 100

61 132.4 93.2 173.2

98 64.3 44.8 83.2



#23

Bromochloromethane

Concen: 5.301 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Tgt Ion:128 Resp: 41579

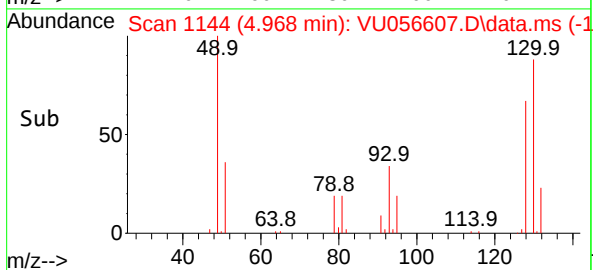
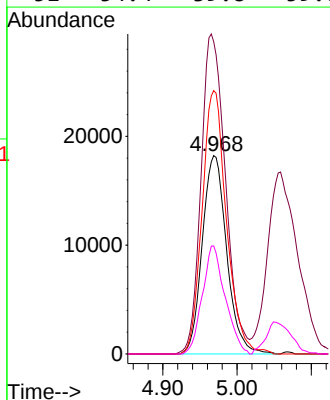
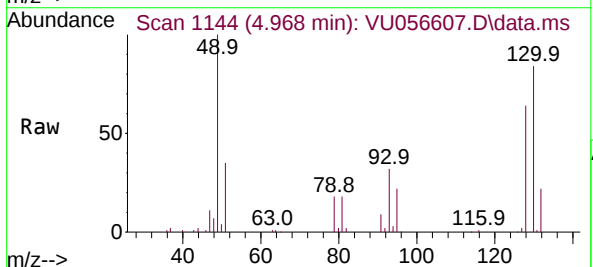
Ion Ratio Lower Upper

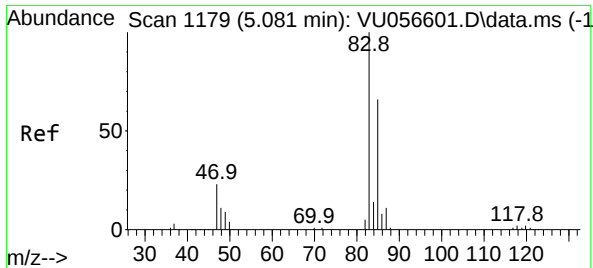
128 100

49 157.3 113.4 210.6

130 132.7 84.8 157.6

51 54.4 39.8 59.6

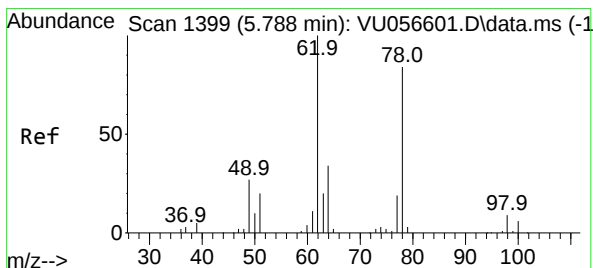
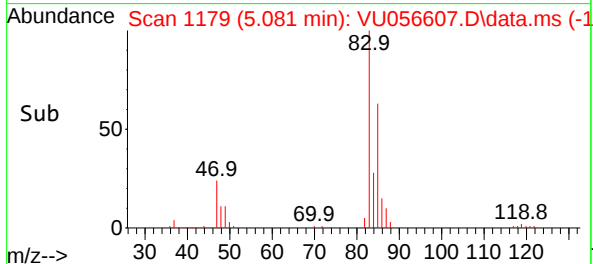
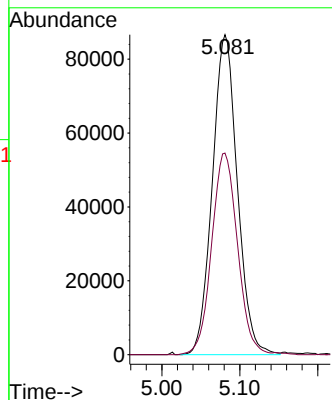
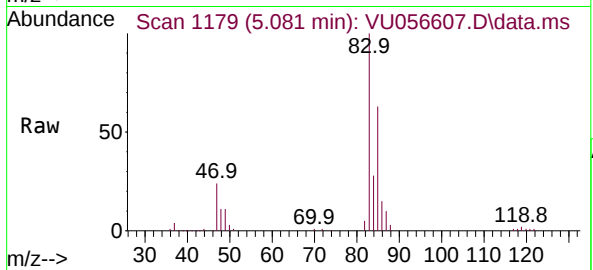




#25
Chloroform
Concen: 5.366 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

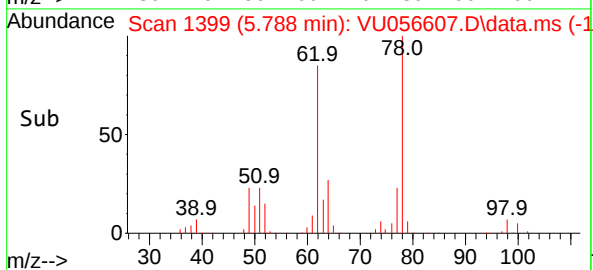
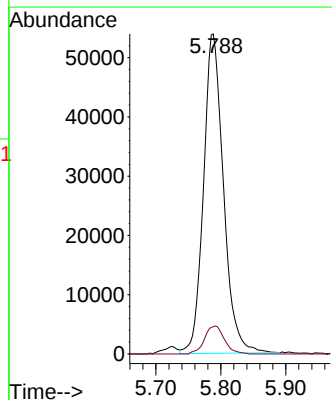
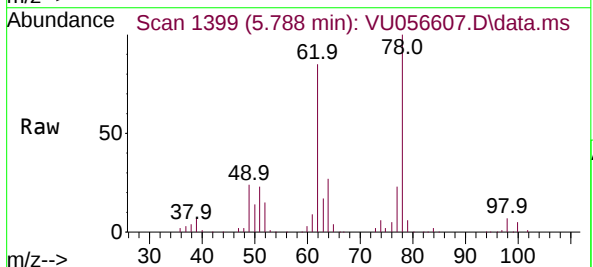
Instrument :
MSVOA_U
ClientSampleId :

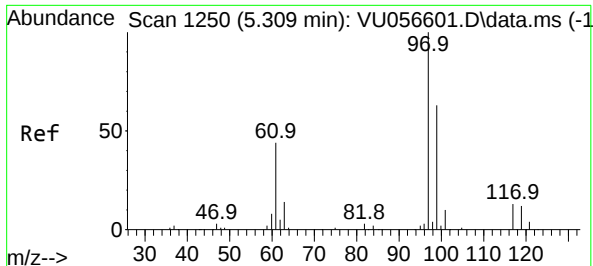
Tgt Ion: 83 Resp: 193480
Ion Ratio Lower Upper
83 100
85 63.0 47.0 87.2



#27
1,2-Dichloroethane
Concen: 5.637 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion: 62 Resp: 115403
Ion Ratio Lower Upper
62 100
98 8.5 6.6 10.0

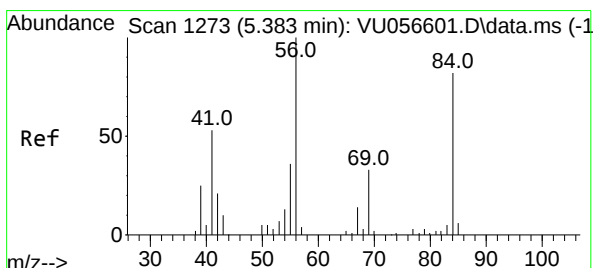
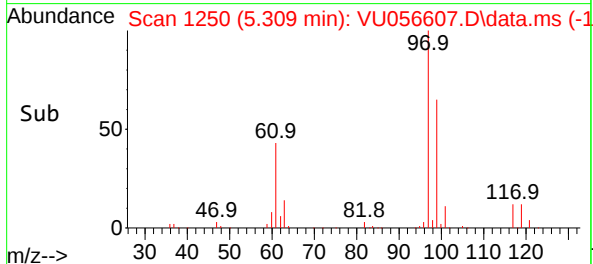
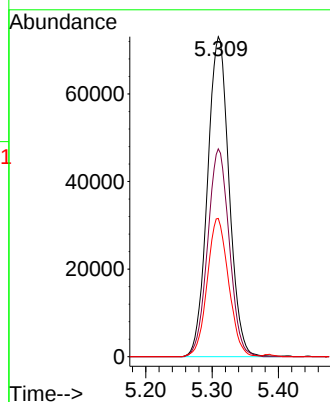
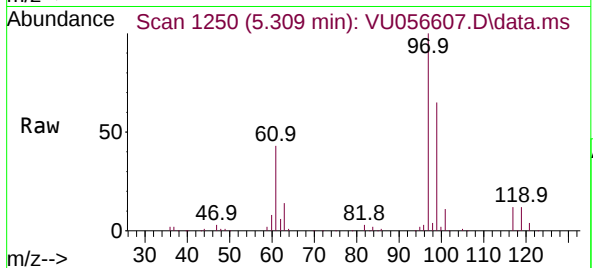




#29
1,1,1-Trichloroethane
Concen: 5.501 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

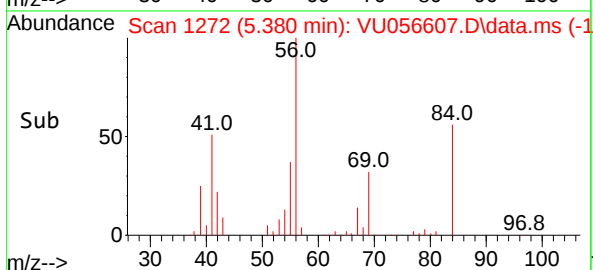
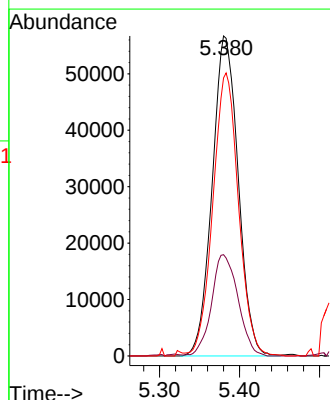
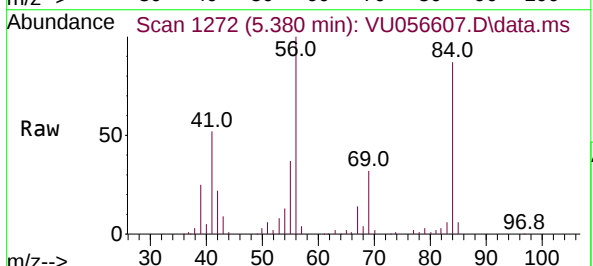
Instrument :
MSVOA_U
ClientSampleId :

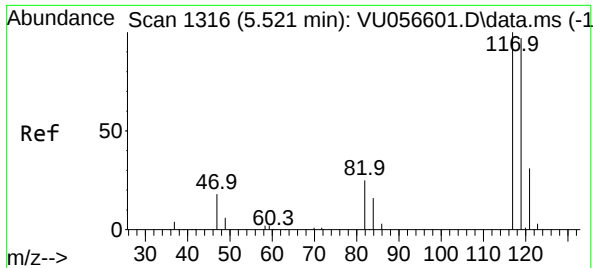
Tgt Ion: 97 Resp: 165250
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 42.9 34.3 51.5



#30
Cyclohexane
Concen: 4.490 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion: 56 Resp: 128020
Ion Ratio Lower Upper
56 100
69 32.2 25.4 38.2
84 87.2 68.6 103.0

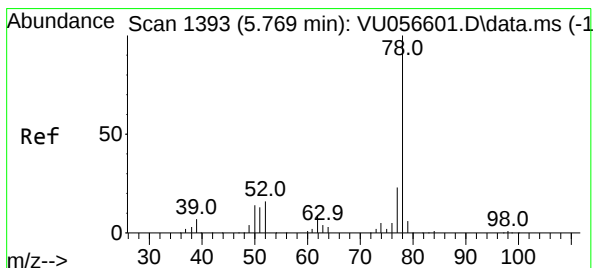
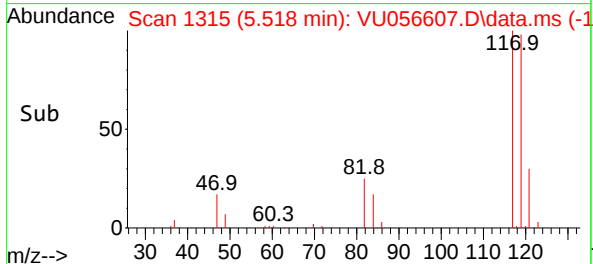
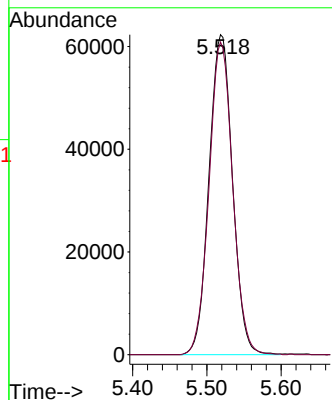
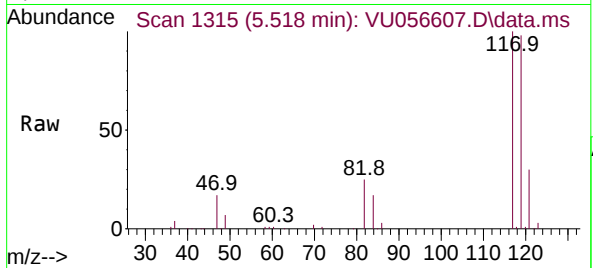




#31
Carbon tetrachloride
Concen: 5.320 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

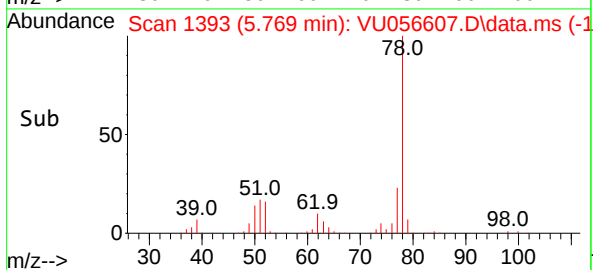
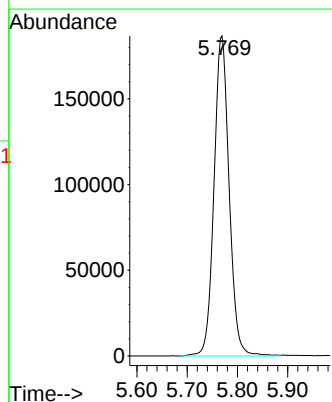
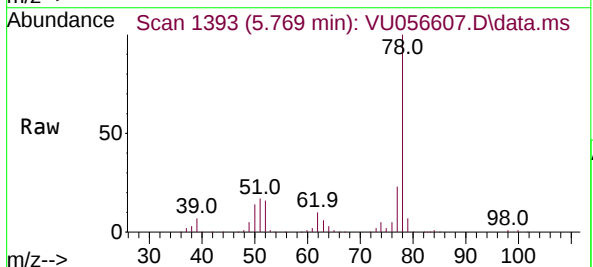
Instrument :
MSVOA_U
ClientSampleId :

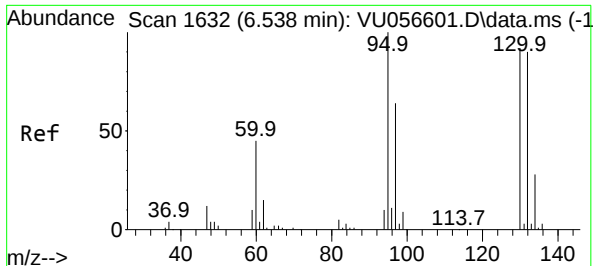
Tgt Ion:117 Resp: 137271
Ion Ratio Lower Upper
117 100
119 98.1 78.1 117.1



#33
Benzene
Concen: 5.230 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion: 78 Resp: 390566

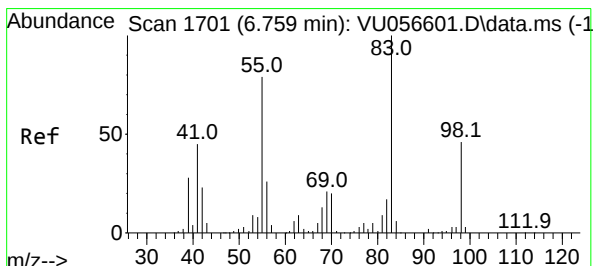
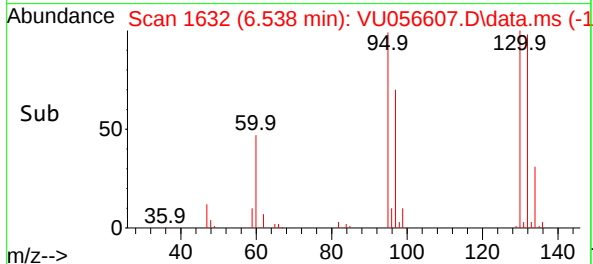
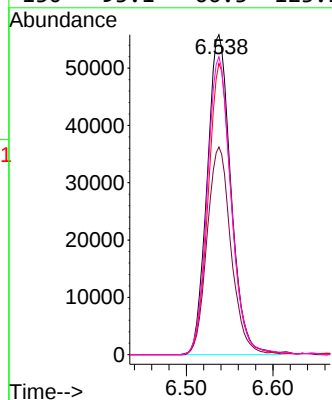
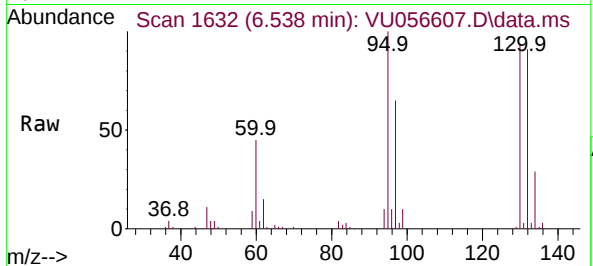




#34
Trichloroethene
Concen: 5.232 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

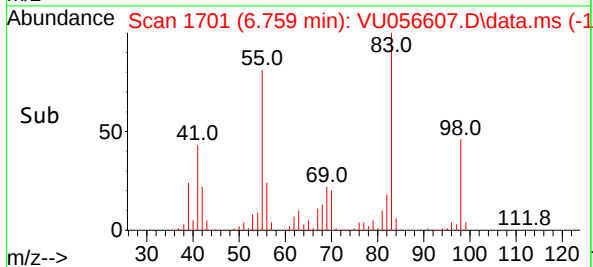
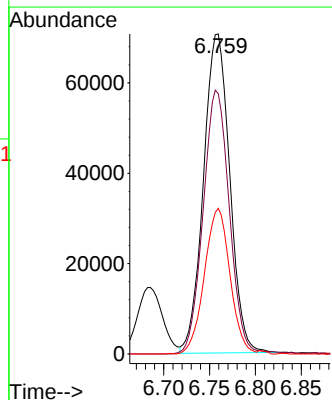
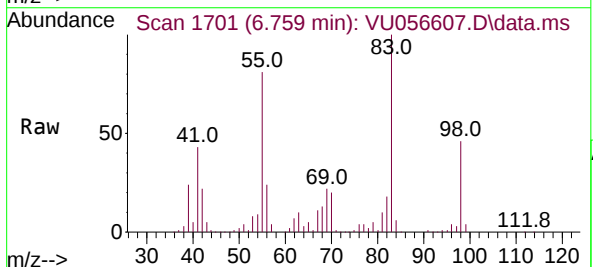
Instrument :
MSVOA_U
ClientSampleId :

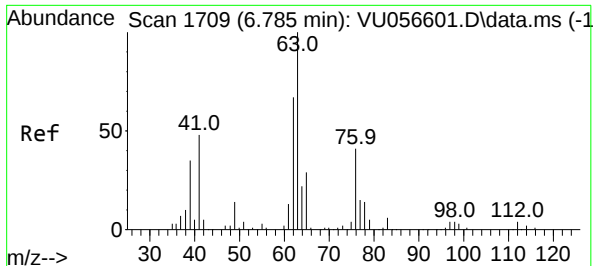
Tgt Ion: 95 Resp: 106454
Ion Ratio Lower Upper
95 100
97 64.9 46.5 86.3
132 91.0 62.0 115.2
130 93.1 66.3 123.1



#35
Methylcyclohexane
Concen: 4.794 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion: 83 Resp: 140823
Ion Ratio Lower Upper
83 100
55 82.6 62.9 94.3
98 44.3 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.492 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

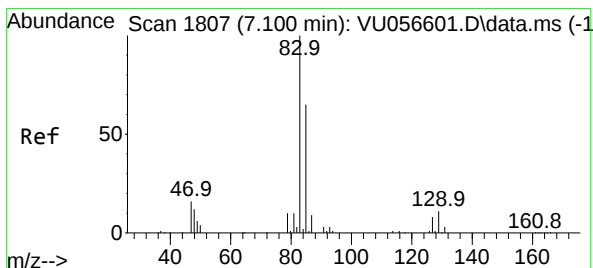
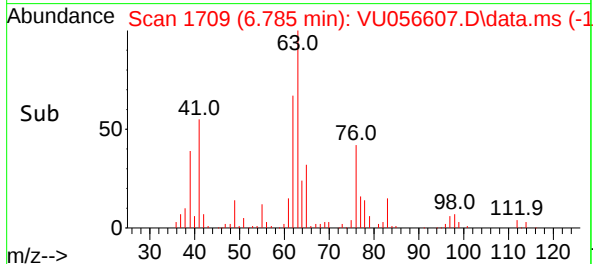
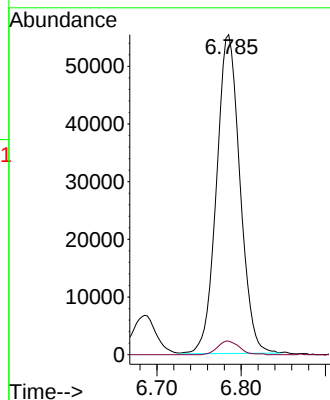
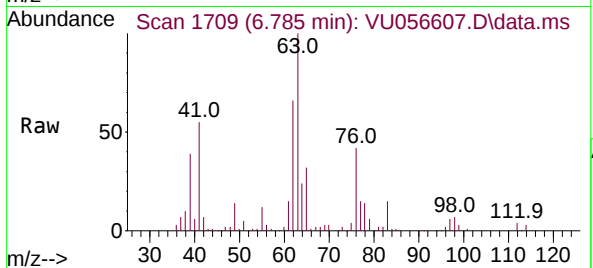
ClientSampleId :

Tgt Ion: 63 Resp: 106948

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 5.467 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

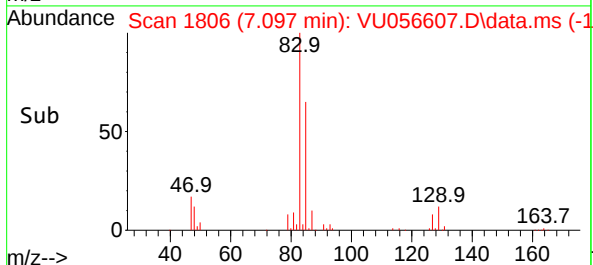
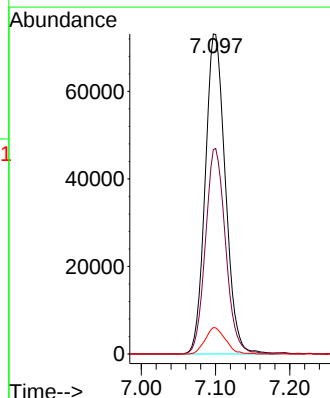
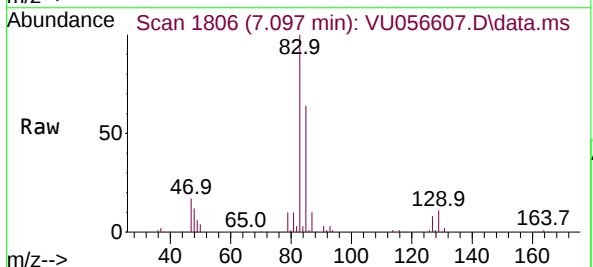
Tgt Ion: 83 Resp: 137446

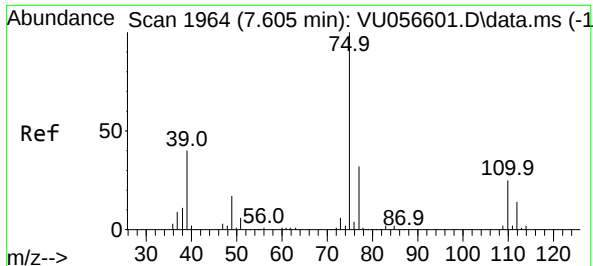
Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.5

127 8.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.376 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

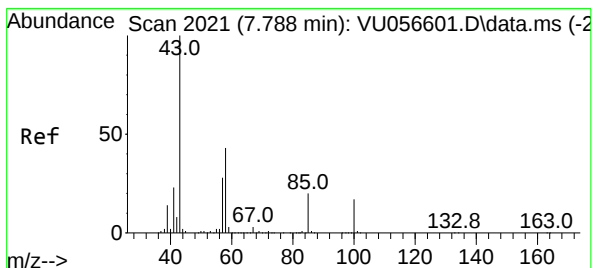
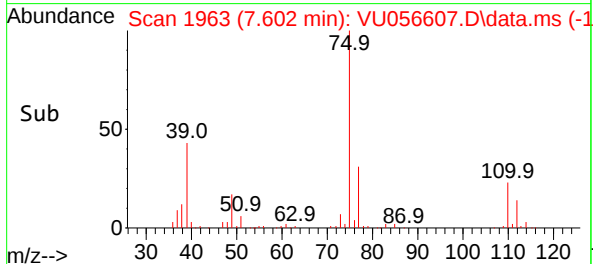
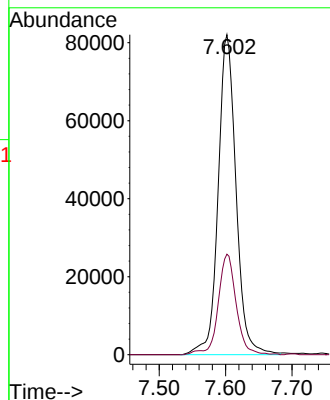
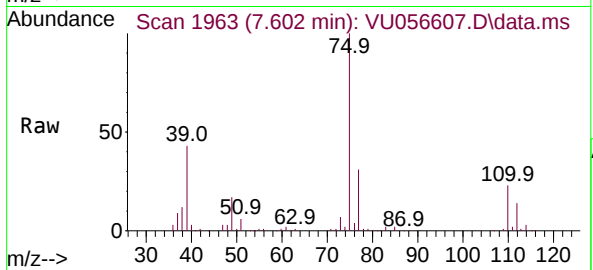
ClientSampleId :

Tgt Ion: 75 Resp: 153826

Ion Ratio Lower Upper

75 100

77 31.4 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 53.611 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

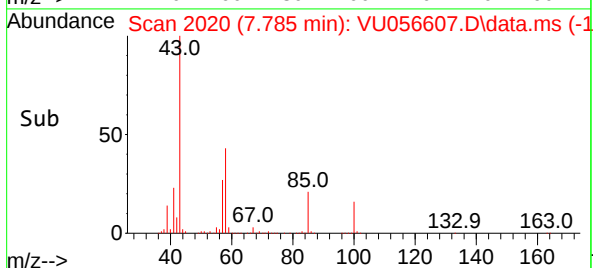
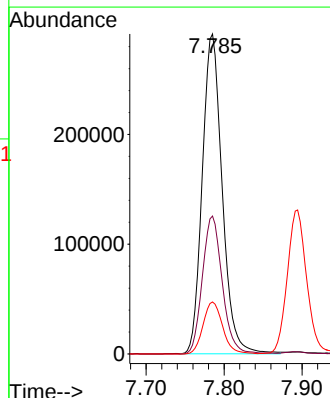
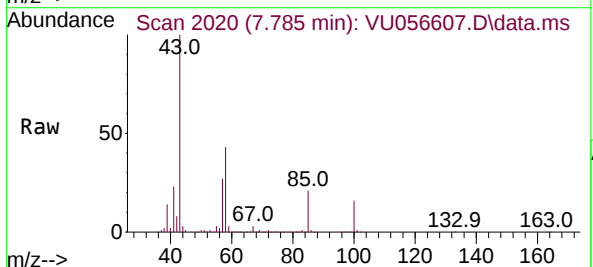
Tgt Ion: 43 Resp: 517524

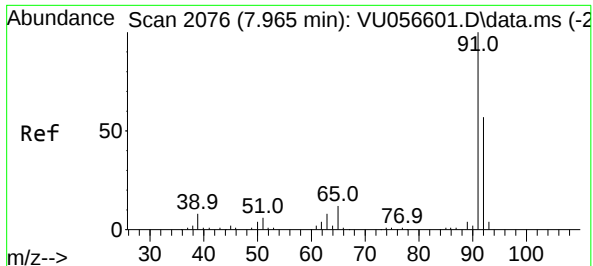
Ion Ratio Lower Upper

43 100

58 43.1 33.8 50.8

100 16.0 13.0 19.4





#42

Toluene

Concen: 5.465 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

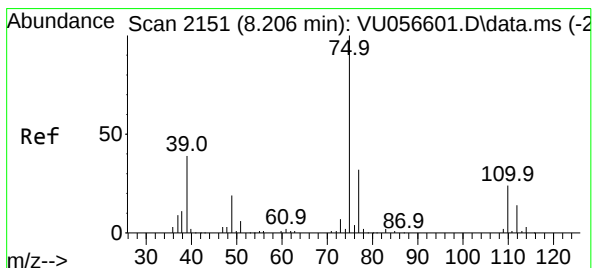
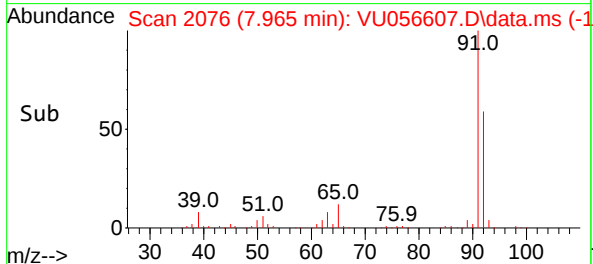
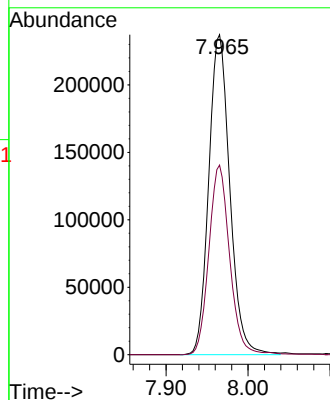
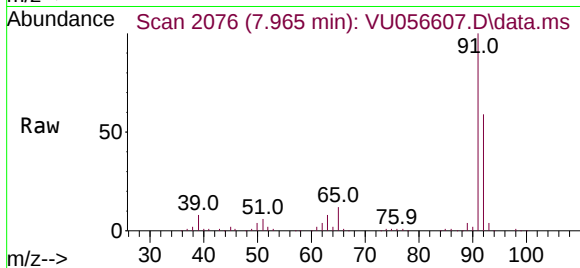
ClientSampleId :

Tgt Ion: 91 Resp: 422521

Ion Ratio Lower Upper

91 100

92 59.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.638 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056607.D

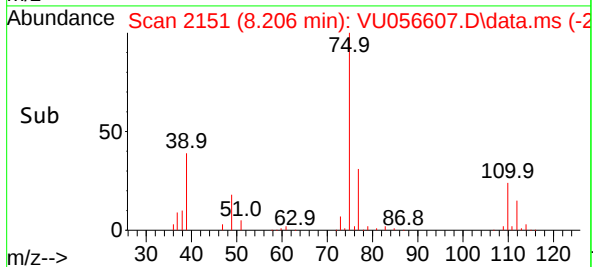
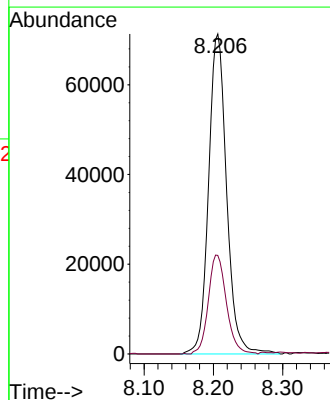
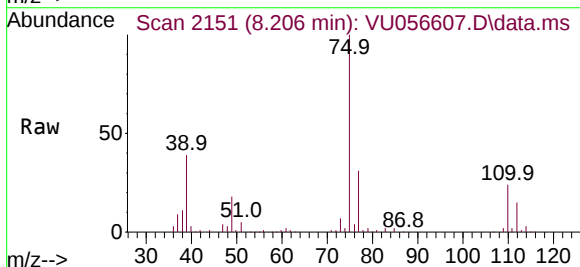
Acq: 24 Nov 2023 12:53

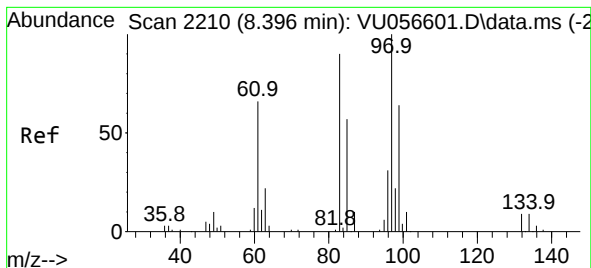
Tgt Ion: 75 Resp: 128619

Ion Ratio Lower Upper

75 100

77 30.8 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 5.701 ug/L

RT: 8.393 min Scan# 2210

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 73943

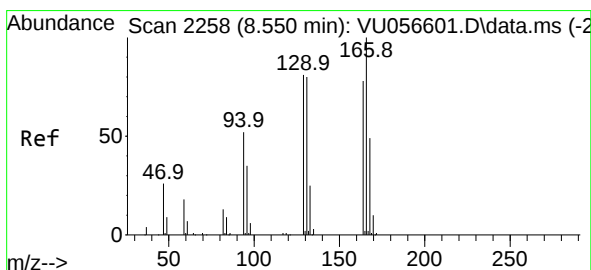
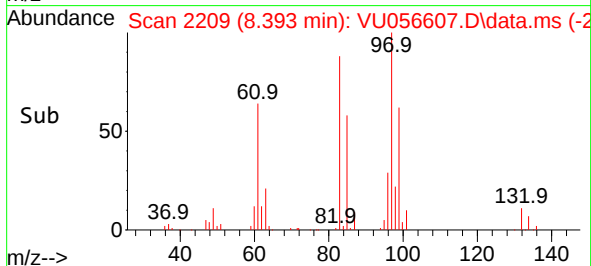
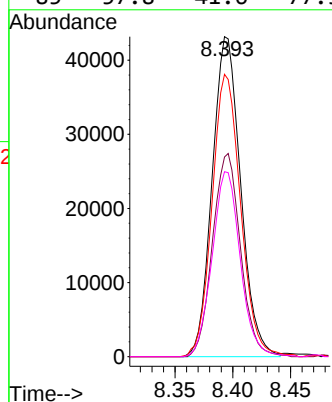
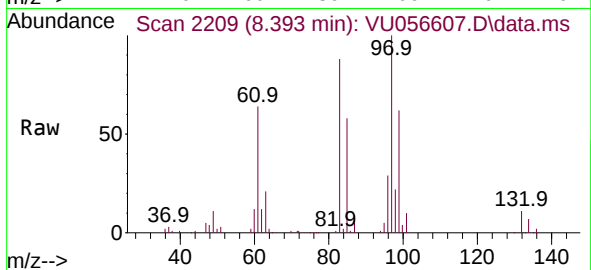
Ion Ratio Lower Upper

97 100

99 62.4 44.3 82.3

83 88.2 65.4 121.4

85 57.8 41.6 77.3



#47

Tetrachloroethene

Concen: 5.301 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Tgt Ion:164 Resp: 72727

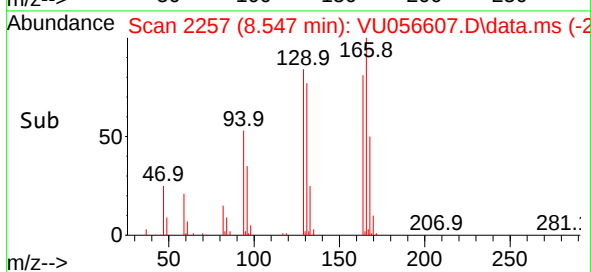
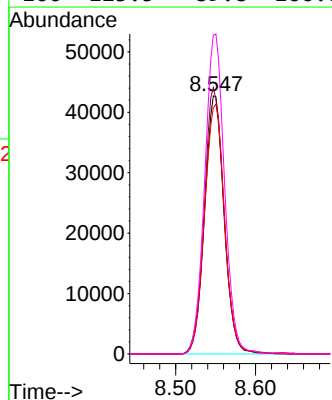
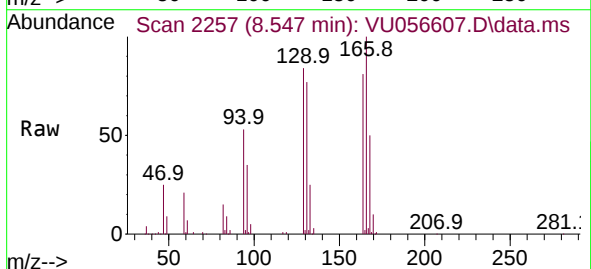
Ion Ratio Lower Upper

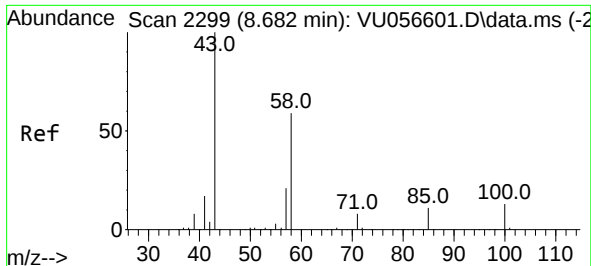
164 100

129 103.2 71.0 131.9

131 95.4 70.3 130.7

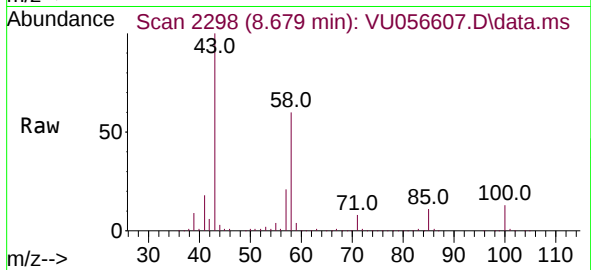
166 123.5 89.8 166.8



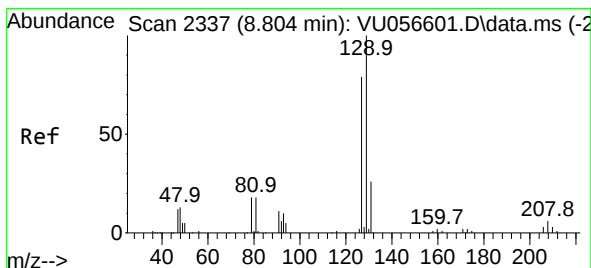
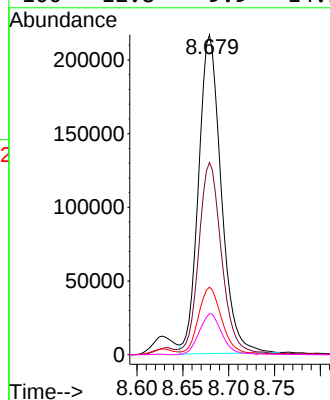
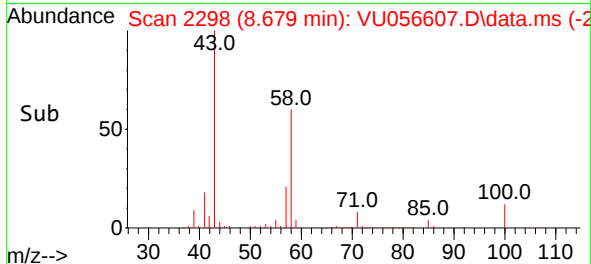


#48
2-Hexanone
Concen: 49.439 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Instrument :
MSVOA_U
ClientSampleId :

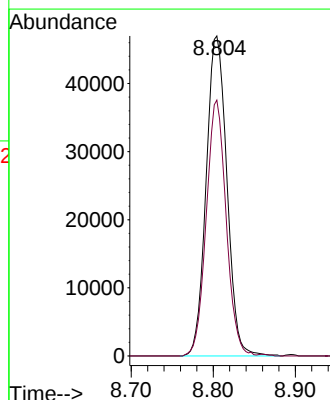
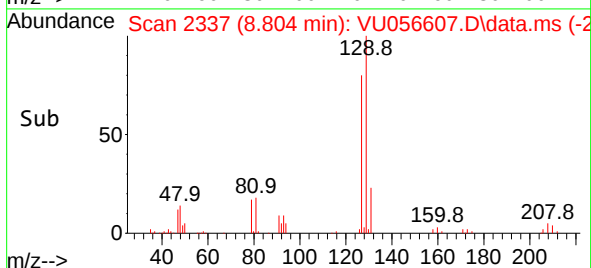
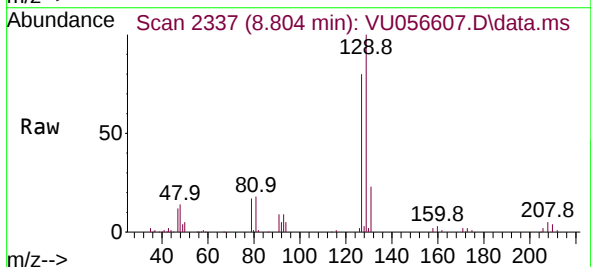


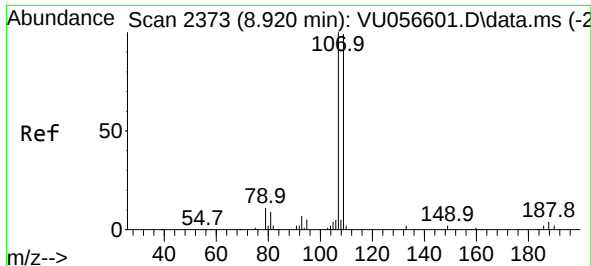
Tgt Ion: 43 Resp: 371800
Ion Ratio Lower Upper
43 100
58 60.3 48.7 73.1
57 22.1 16.8 25.2
100 12.8 9.9 14.9



#49
Dibromochloromethane
Concen: 5.586 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion: 129 Resp: 82386
Ion Ratio Lower Upper
129 100
127 79.9 52.9 98.3





#50

1,2-Dibromoethane

Concen: 5.189 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056607.D

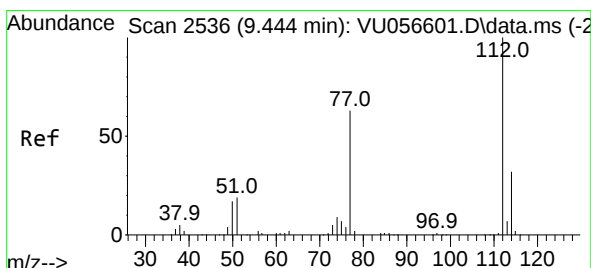
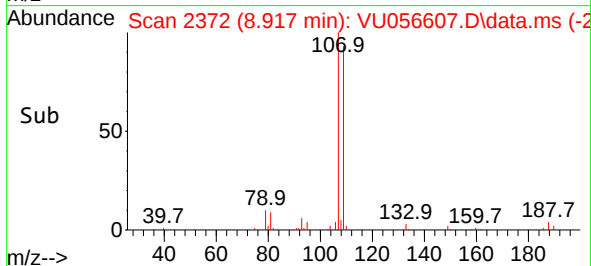
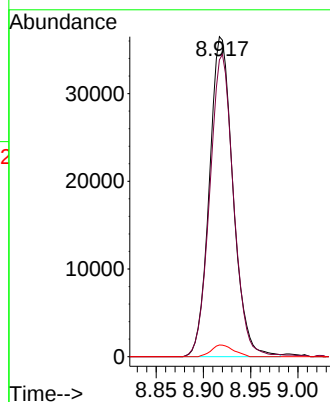
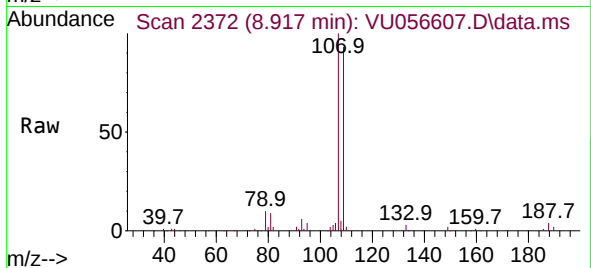
Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	63534
Ion	Ratio	Lower	Upper
107	100		
109	92.8	64.2	119.2
188	3.7	2.6	4.0



#51

Chlorobenzene

Concen: 5.239 ug/L

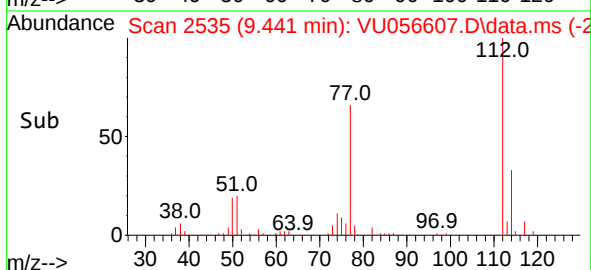
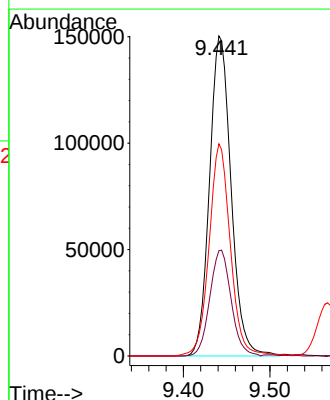
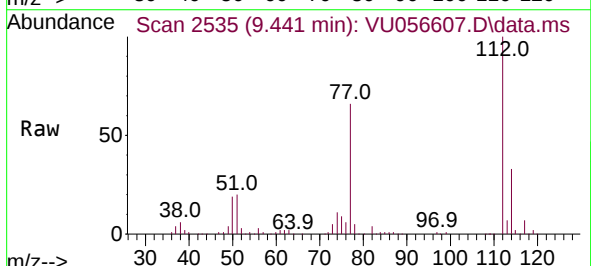
RT: 9.441 min Scan# 2535

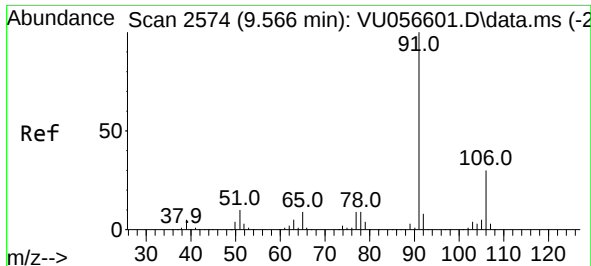
Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Tgt Ion:	112	Resp:	260271
Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.5	41.7
77	66.3	51.7	77.5

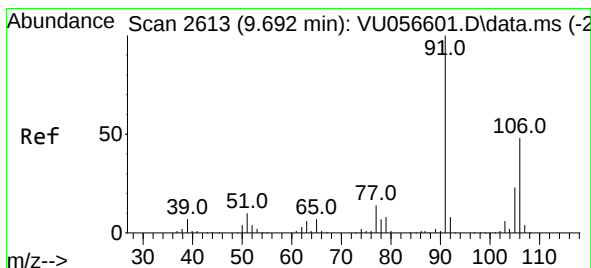
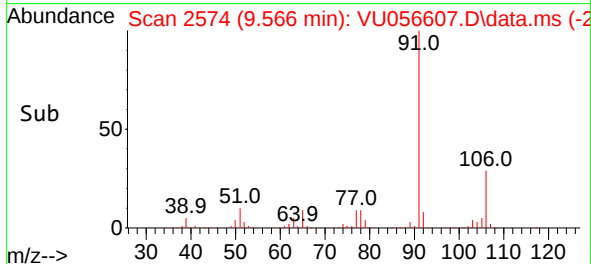
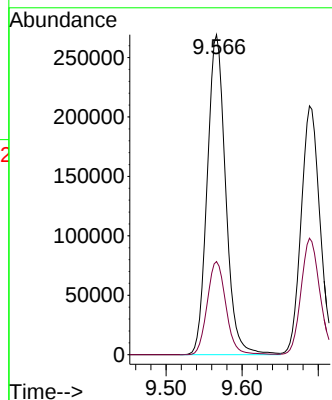
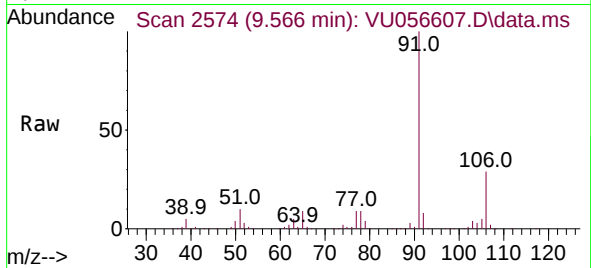




#52
Ethylbenzene
Concen: 5.270 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

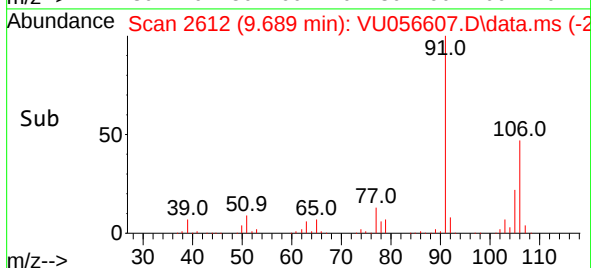
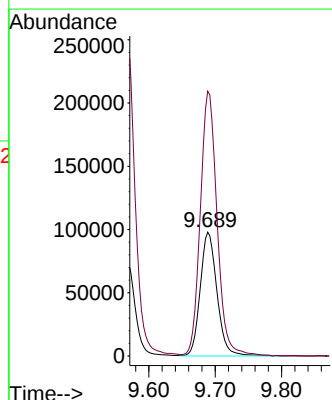
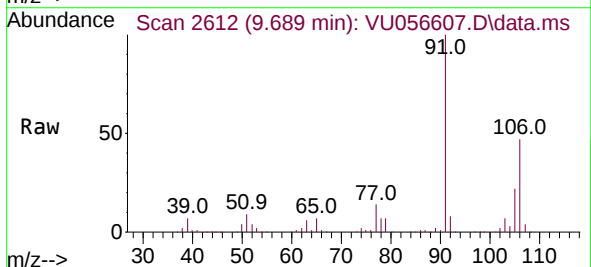
Instrument :
MSVOA_U
ClientSampleId :

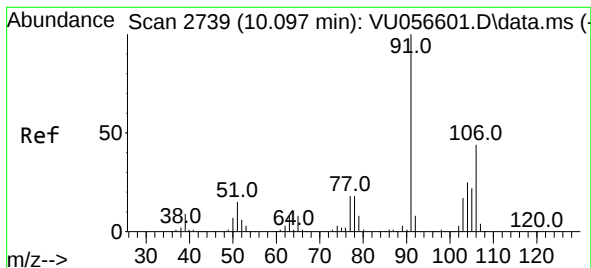
Tgt Ion: 91 Resp: 452436
Ion Ratio Lower Upper
91 100
106 29.1 21.1 39.1



#53
m,p-Xylene
Concen: 5.437 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion: 106 Resp: 171607
Ion Ratio Lower Upper
106 100
91 213.7 149.6 277.8





#54

o-Xylene

Concen: 5.397 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

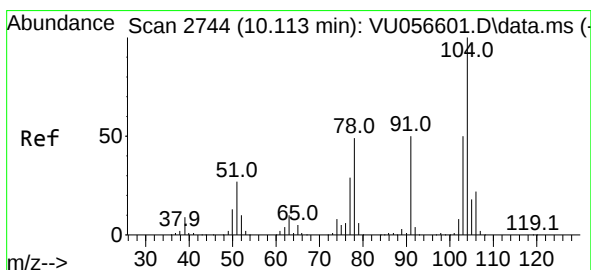
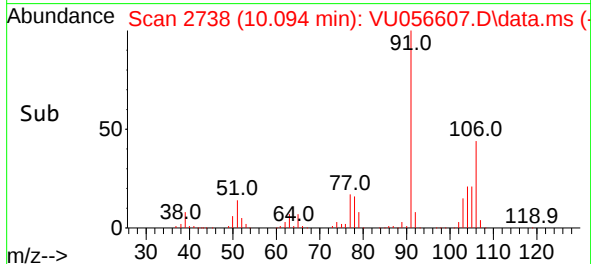
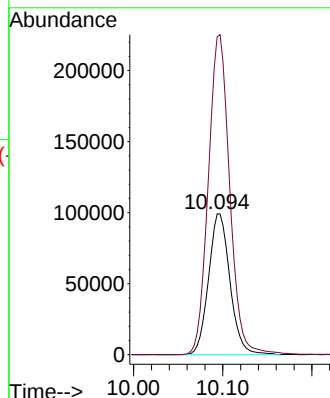
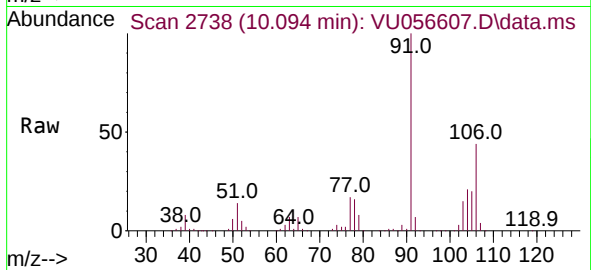
ClientSampleId :

Tgt Ion:106 Resp: 165461

Ion Ratio Lower Upper

106 100

91 225.8 159.3 295.9



#55

Styrene

Concen: 5.570 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.003 min

Lab File: VU056607.D

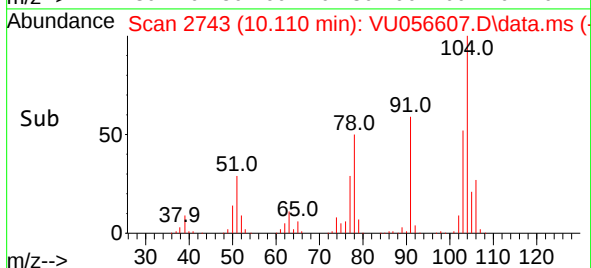
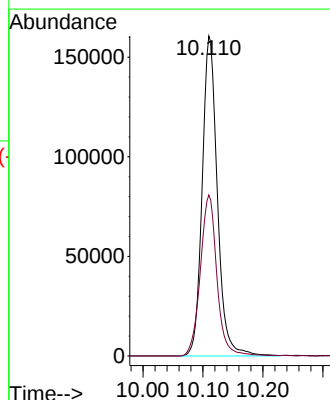
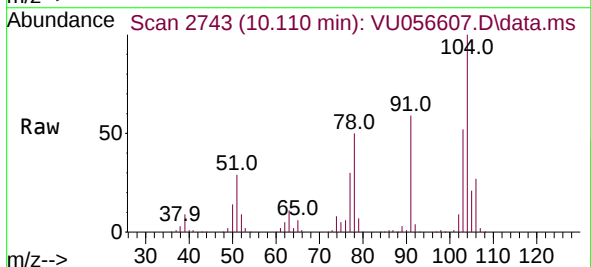
Acq: 24 Nov 2023 12:53

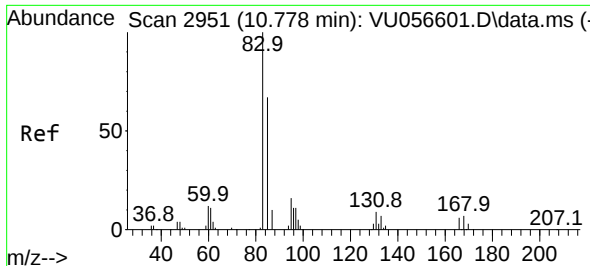
Tgt Ion:104 Resp: 284027

Ion Ratio Lower Upper

104 100

78 50.3 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.589 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

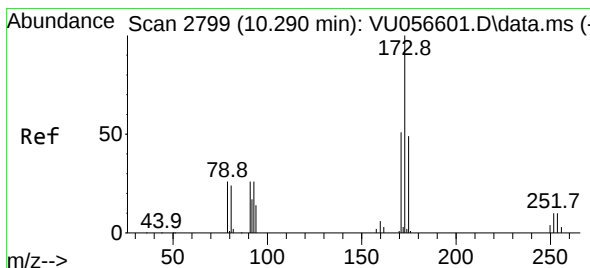
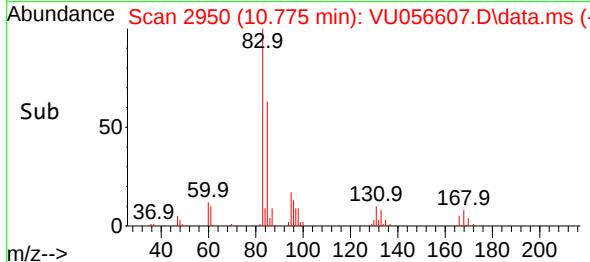
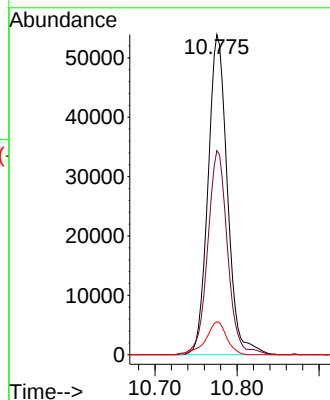
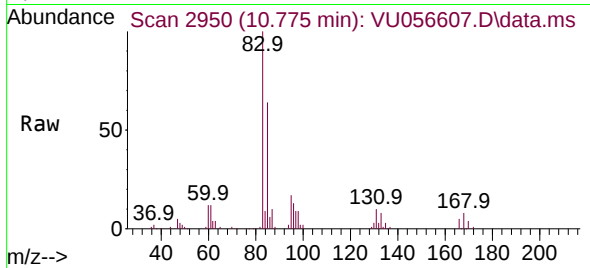
Tgt Ion: 83 Resp: 88501

Ion Ratio Lower Upper

83 100

85 63.7 46.3 86.1

131 10.3 6.7 10.1#



#59

Bromoform

Concen: 5.520 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.006 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

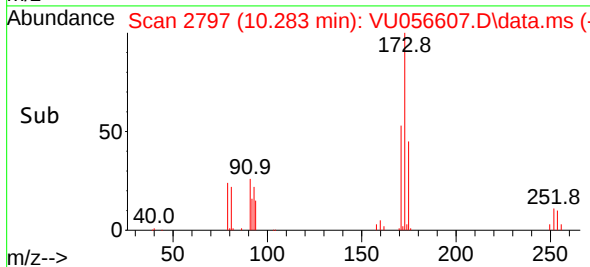
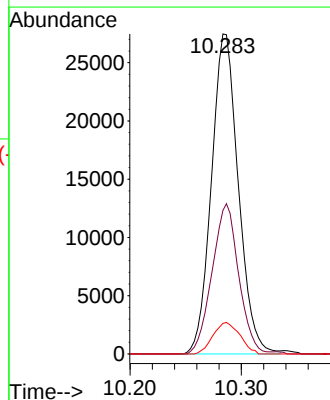
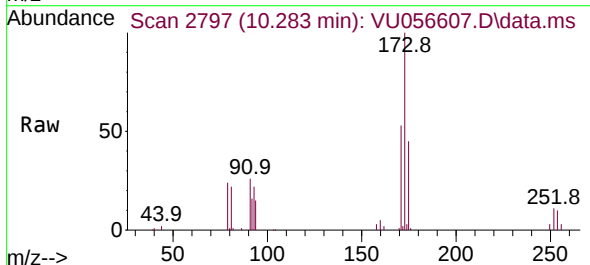
Tgt Ion:173 Resp: 46056

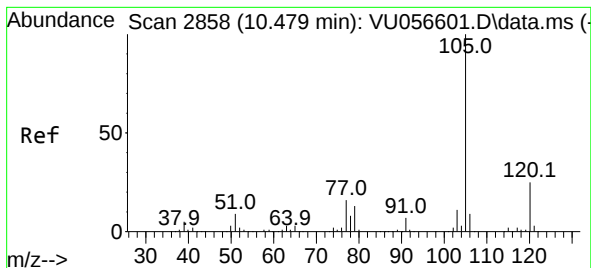
Ion Ratio Lower Upper

173 100

175 46.4 38.9 58.3

254 9.8 6.7 10.1





#60

Isopropylbenzene

Concen: 5.314 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

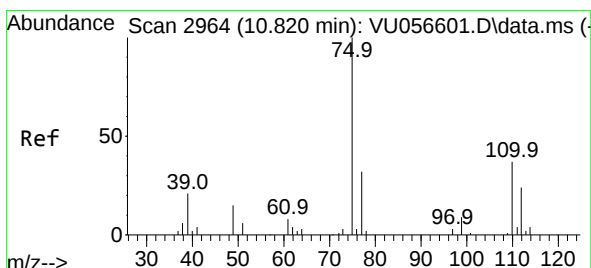
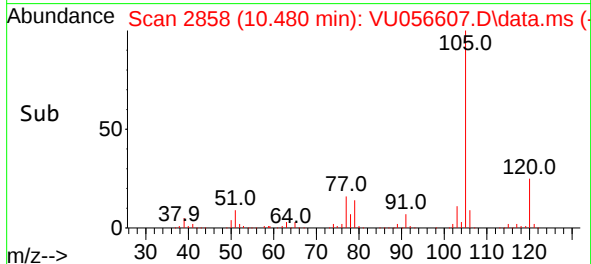
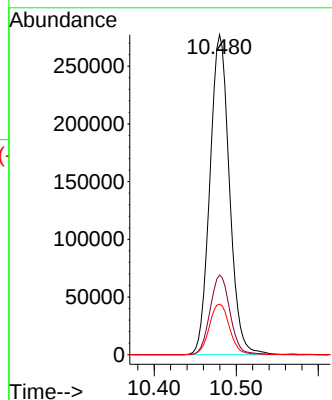
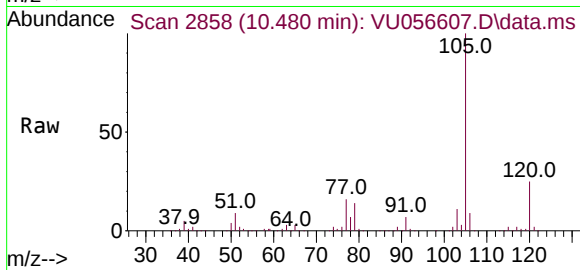
Tgt Ion:105 Resp: 458965

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

77 16.4 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.181 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

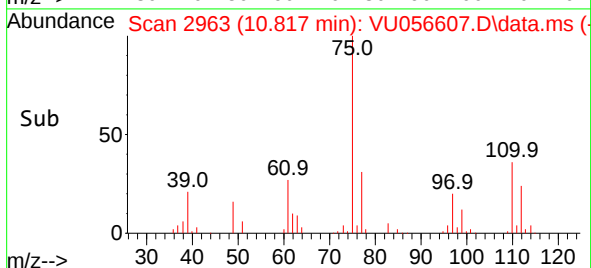
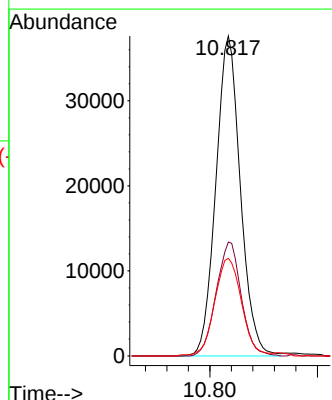
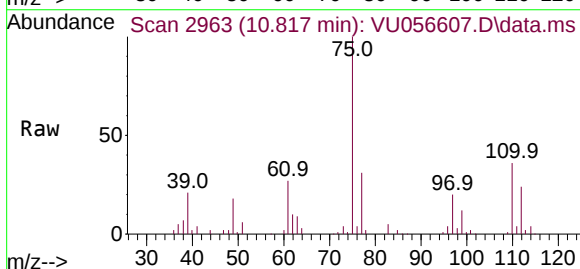
Tgt Ion: 75 Resp: 59542

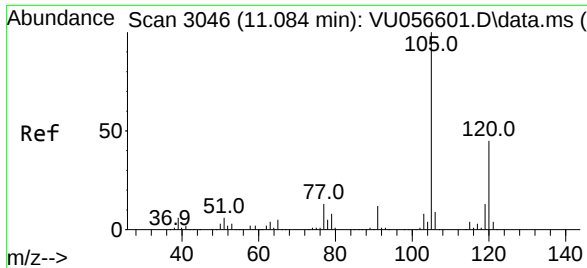
Ion Ratio Lower Upper

75 100

110 36.3 30.4 45.6

77 33.5 27.0 40.6

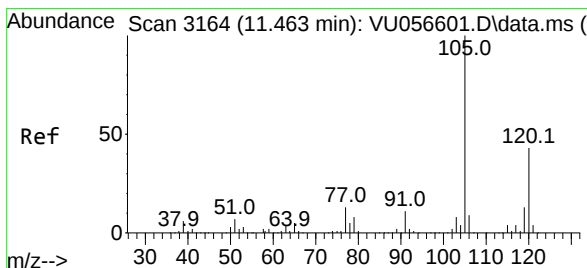
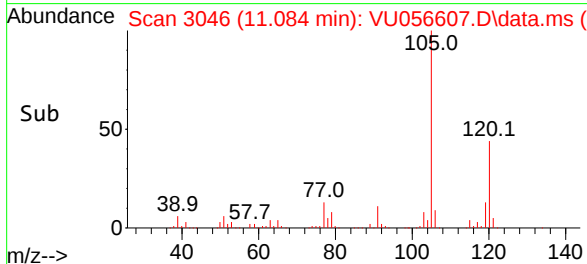
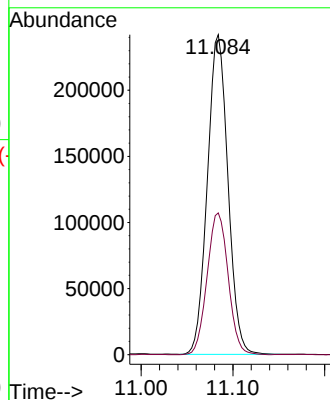
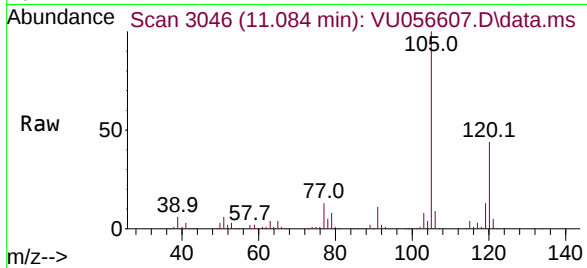




#62
 1,3,5-Trimethylbenzene
 Concen: 5.314 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU056607.D
 Acq: 24 Nov 2023 12:53

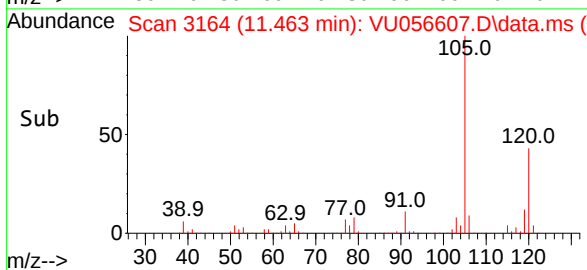
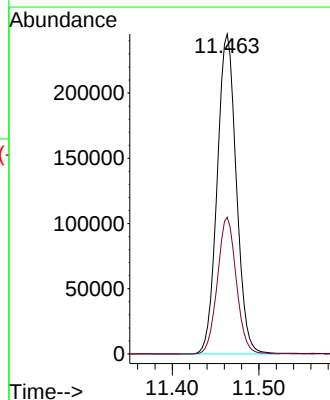
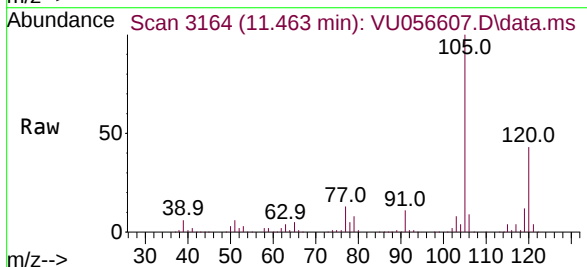
Instrument :
 MSVOA_U
 ClientSampleId :

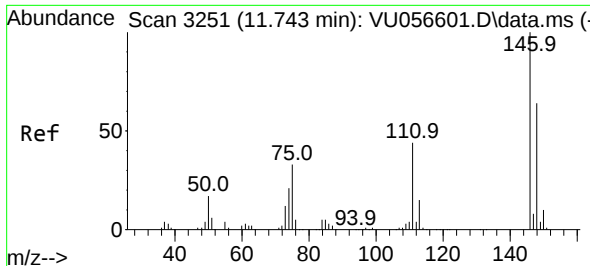
Tgt Ion:105 Resp: 376884
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.2 55.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.380 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU056607.D
 Acq: 24 Nov 2023 12:53

Tgt Ion:105 Resp: 376596
 Ion Ratio Lower Upper
 105 100
 120 42.3 34.0 51.0

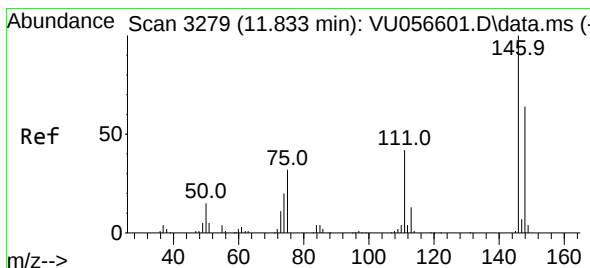
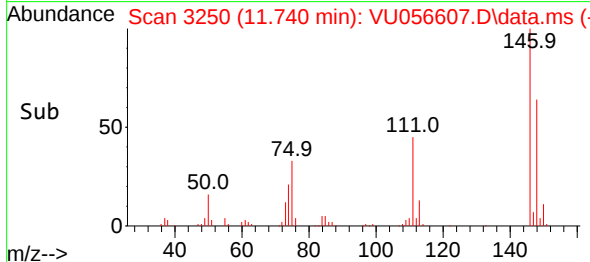
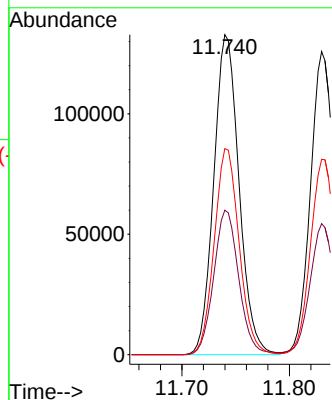
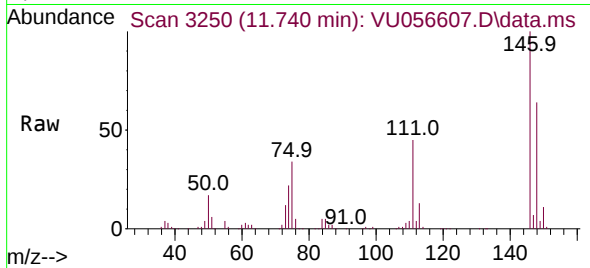




#64
1,3-Dichlorobenzene
Concen: 5.518 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

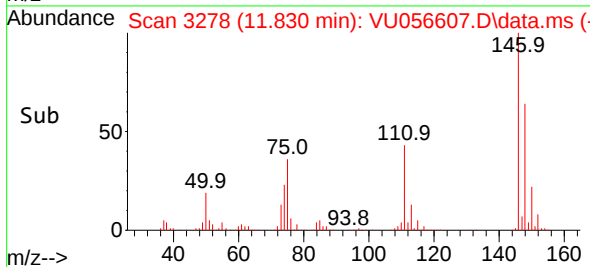
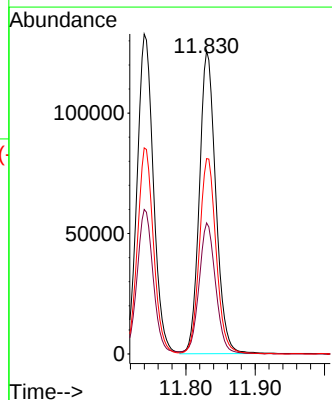
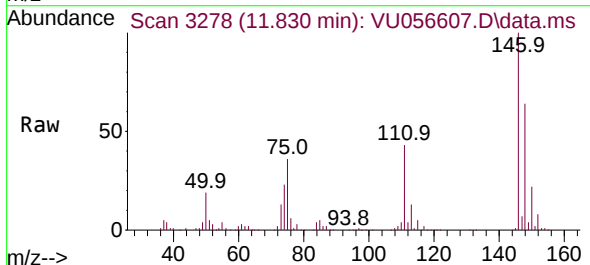
Instrument :
MSVOA_U
ClientSampleId :

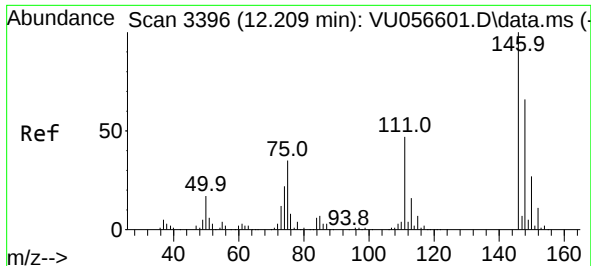
Tgt Ion:146 Resp: 216788
Ion Ratio Lower Upper
146 100
111 45.2 31.1 57.7
148 64.4 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.254 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056607.D
Acq: 24 Nov 2023 12:53

Tgt Ion:146 Resp: 207071
Ion Ratio Lower Upper
146 100
111 43.2 30.5 56.7
148 64.4 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.605 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

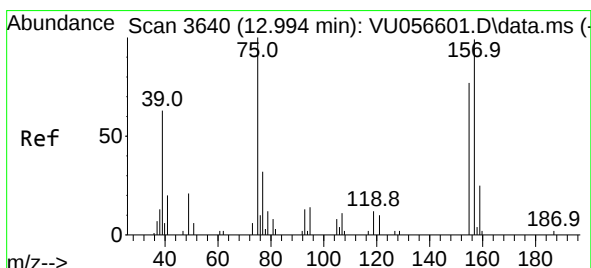
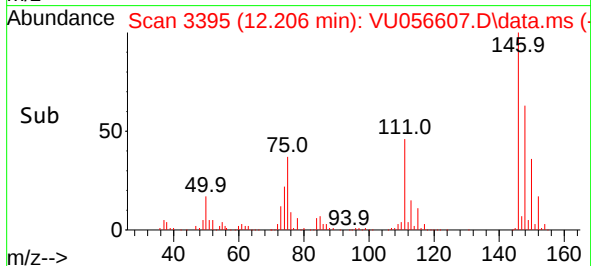
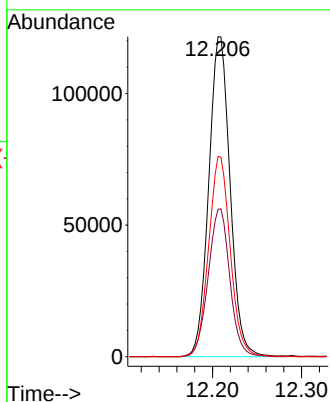
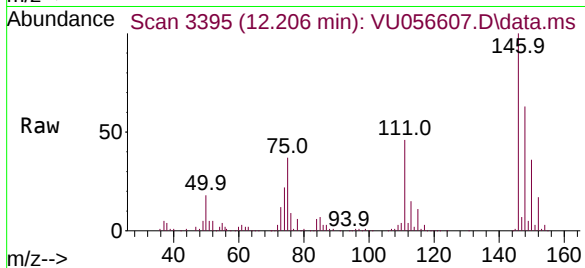
Tgt Ion:146 Resp: 202032

Ion Ratio Lower Upper

146 100

111 46.1 38.3 57.5

148 62.6 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.311 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

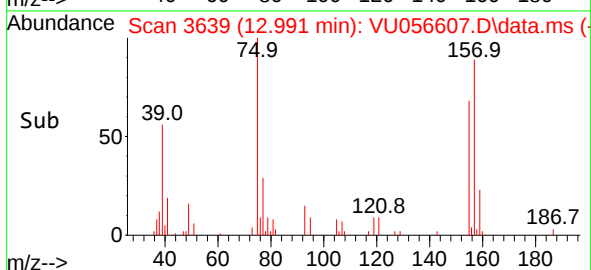
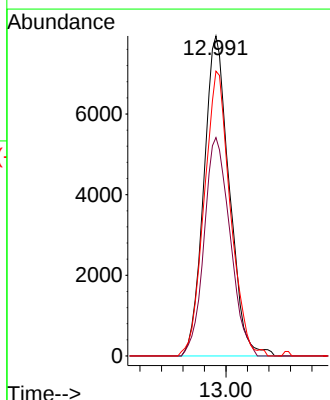
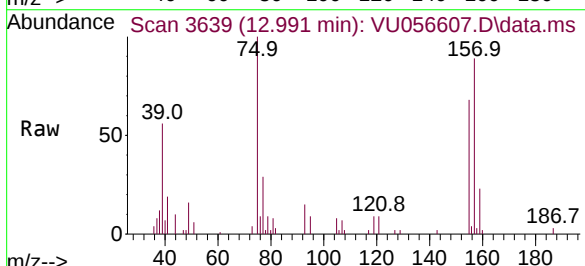
Tgt Ion: 75 Resp: 13037

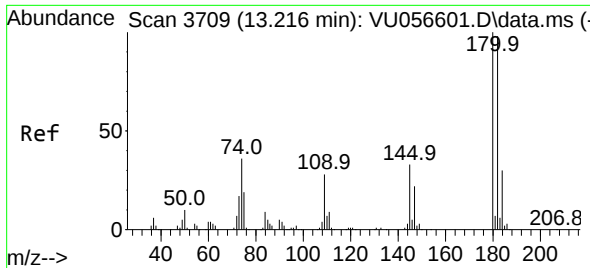
Ion Ratio Lower Upper

75 100

155 68.2 62.4 93.6

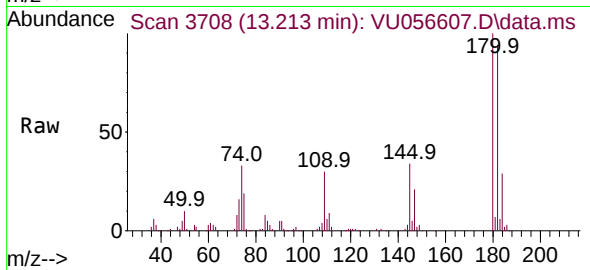
157 89.0 80.2 120.2



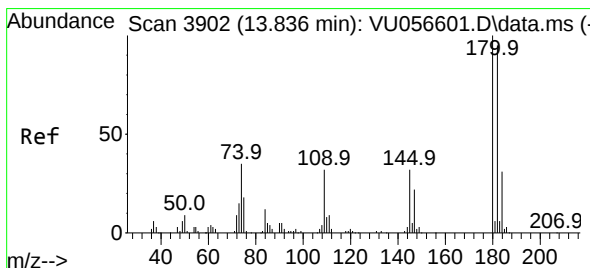
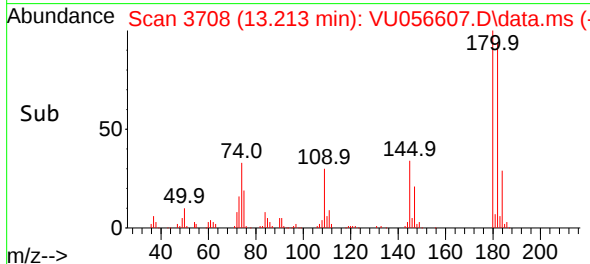
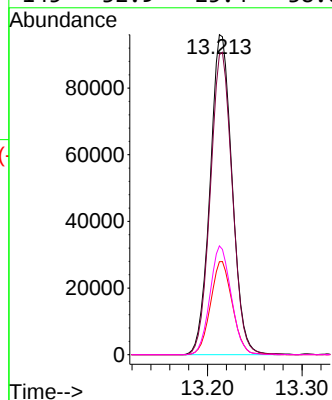


#69
 1,3,5-Trichlorobenzene
 Concen: 5.243 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU056607.D
 Acq: 24 Nov 2023 12:53

Instrument :
 MSVOA_U
 ClientSampleId :

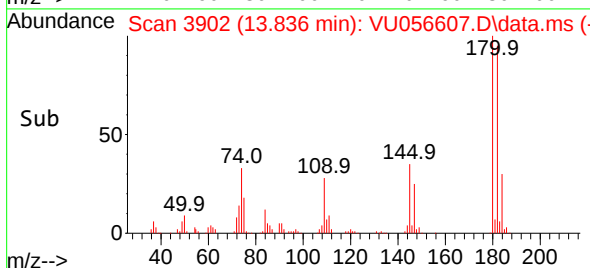
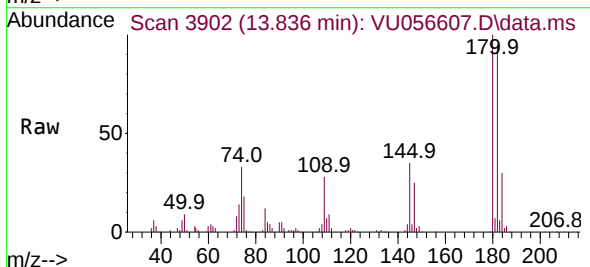
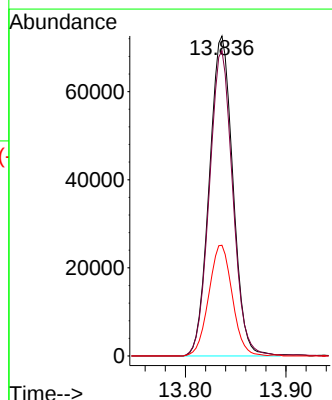


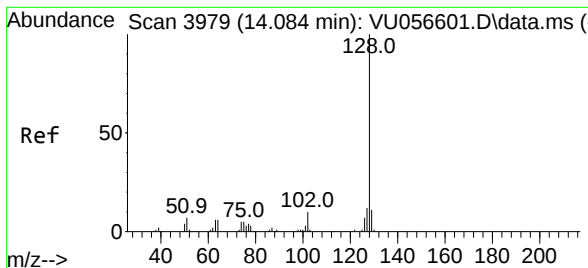
Tgt Ion:180 Resp: 155087
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.1 112.7
 184 28.9 23.5 35.3
 145 32.9 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 4.907 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU056607.D
 Acq: 24 Nov 2023 12:53

Tgt Ion:180 Resp: 118220
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.4 113.2
 145 34.6 26.8 40.2





#71

Naphthalene

Concen: 4.559 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Instrument :

MSVOA_U

ClientSampleId :

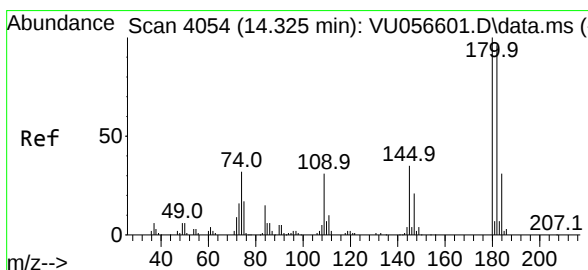
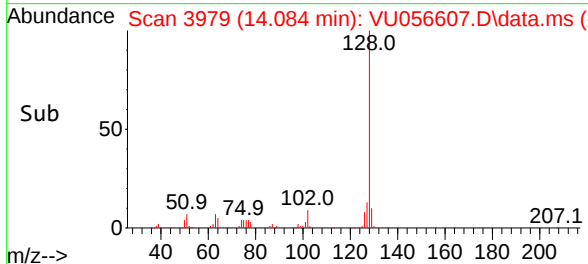
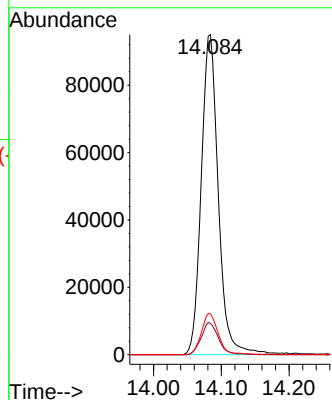
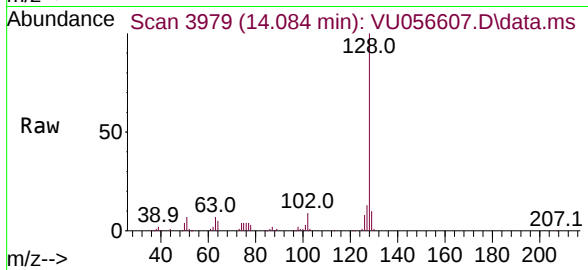
Tgt Ion:128 Resp: 165973

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

127 12.5 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.061 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU056607.D

Acq: 24 Nov 2023 12:53

Tgt Ion:180 Resp: 100451

Ion Ratio Lower Upper

180 100

182 96.3 78.6 117.8

145 35.0 29.0 43.6

