

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120823\
 Data File : VU056694.D
 Acq On : 08 Dec 2023 11:50
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 20:53:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 07 04:51:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	284360	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	276687	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	132902	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	121164	5.697	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.000%
7) Chloroethane-d5	1.907	69	80393	4.930	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.563	65	50949	5.428	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.600%
20) 2-Butanone-d5	4.621	46	210554	49.646	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.300%
24) Chloroform-d	5.055	84	214296	5.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
26) 1,2-Dichloroethane-d4	5.695	65	97596	5.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.721	84	423078	5.132	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	6.685	67	124193	4.999	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.894	98	379354	5.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
43) trans-1,3-Dichloroprop...	8.177	79	49983	5.245	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.000%
46) 2-Hexanone-d5	8.630	63	178671	47.714	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.420%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	88730	4.998	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	119158	4.853	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	78739	3.495	ug/L	98
3) Chloromethane	1.518	50	78947	3.429	ug/L	97
5) Vinyl chloride	1.602	62	86092	3.881	ug/L	95
6) Bromomethane	1.853	94	45264	4.031	ug/L	97
8) Chloroethane	1.930	64	53338	3.936	ug/L	95
9) Trichlorofluoromethane	2.136	101	148235	4.637	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	97129	5.118	ug/L	100
12) 1,1-Dichloroethene	2.576	96	79844	4.587	ug/L	92
13) Acetone	2.627	43	147200	40.751	ug/L	100
14) Carbon disulfide	2.791	76	170638	3.012	ug/L	97
15) Methyl Acetate	2.949	43	32646	5.079	ug/L	99
16) Methylene chloride	3.042	84	100960	4.383	ug/L	95
17) Methyl tert-butyl Ether	3.354	73	225745	5.338	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	82419	4.602	ug/L	99
19) 1,1-Dichloroethane	3.862	63	187440	5.283	ug/L	98
21) 2-Butanone	4.698	43	216096	46.104	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	102044	5.024	ug/L	99
23) Bromochloromethane	4.968	128	43198	5.167	ug/L	92
25) Chloroform	5.084	83	200860	5.226	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120823\
 Data File : VU056694.D
 Acq On : 08 Dec 2023 11:50
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

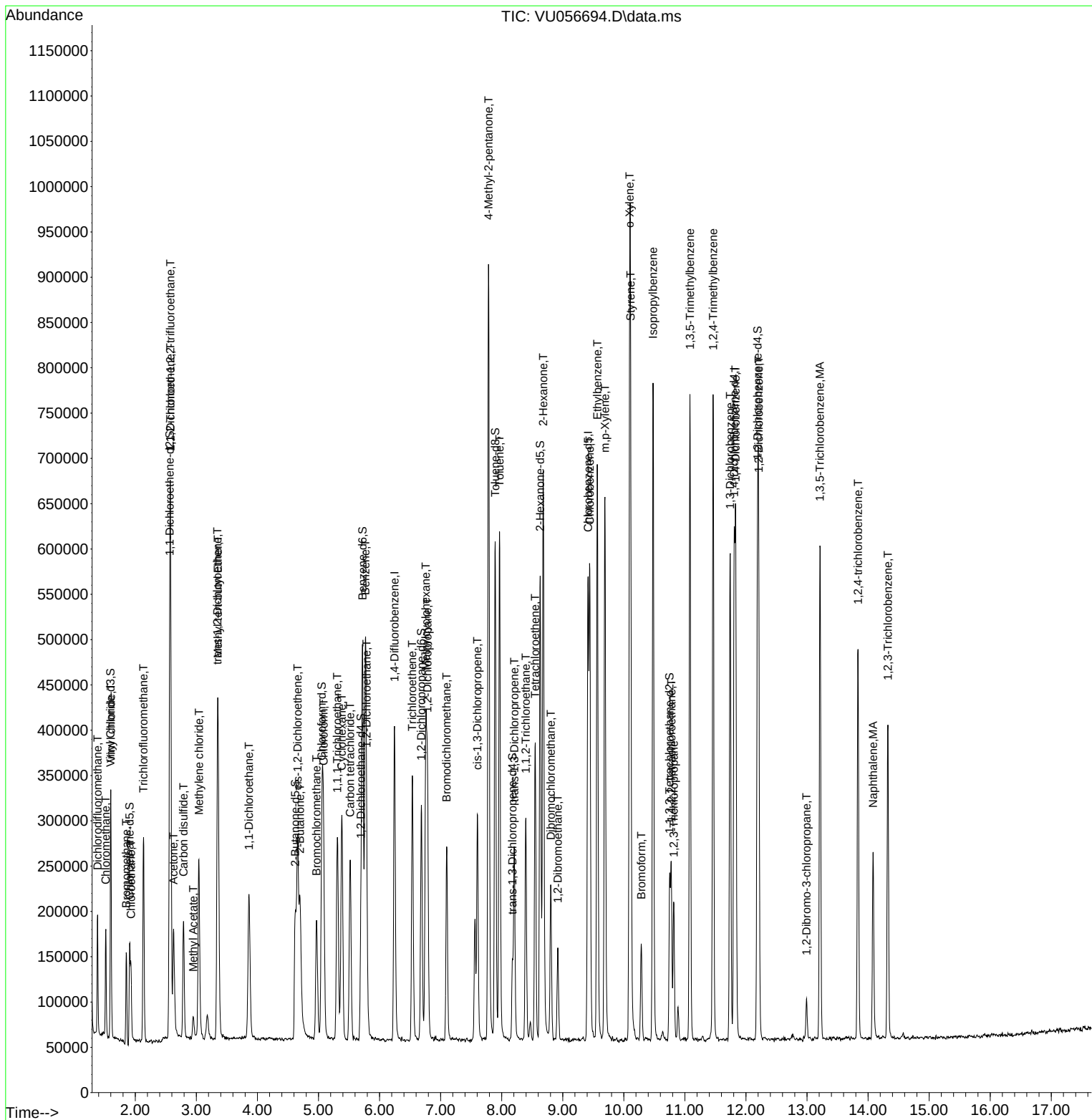
Instrument :
 MSVOA_U
 ClientSampleId :

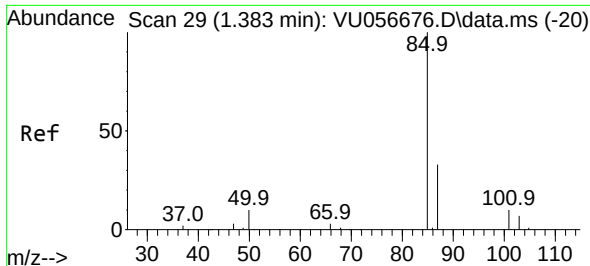
Quant Time: Dec 08 20:53:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 07 04:51:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	114222	5.234	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	168411	5.303	ug/L	99
30) Cyclohexane	5.383	56	123421	4.094	ug/L	99
31) Carbon tetrachloride	5.518	117	139441	5.112	ug/L	98
33) Benzene	5.769	78	394271	4.994	ug/L	100
34) Trichloroethene	6.537	95	106602	4.956	ug/L	99
35) Methylcyclohexane	6.759	83	133995	4.315	ug/L	99
37) 1,2-Dichloropropane	6.785	63	109080	5.298	ug/L	100
38) Bromodichloromethane	7.100	83	142336	5.355	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	154715	5.114	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	542095	53.117	ug/L	99
42) Toluene	7.965	91	417915	5.113	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	127167	5.273	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	75386	5.498	ug/L	96
47) Tetrachloroethene	8.550	164	69875	4.817	ug/L	96
48) 2-Hexanone	8.682	43	403594	50.762	ug/L	98
49) Dibromochloromethane	8.804	129	87377	5.604	ug/L	99
50) 1,2-Dibromoethane	8.920	107	66223	5.116	ug/L	97
51) Chlorobenzene	9.444	112	276246	5.260	ug/L	99
52) Ethylbenzene	9.566	91	470700	5.186	ug/L	100
53) m,p-Xylene	9.691	106	173257	5.193	ug/L	100
54) o-Xylene	10.097	106	172097	5.310	ug/L	97
55) Styrene	10.113	104	296037	5.491	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	95740	5.719	ug/L	94
59) Bromoform	10.286	173	48120	5.813	ug/L	100
60) Isopropylbenzene	10.479	105	481266	5.615	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	64138	5.625	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	390109	5.543	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	393590	5.666	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	220414	5.653	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	212881	5.443	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	199773	5.585	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	12563	5.158	ug/L	88
69) 1,3,5-Trichlorobenzene	13.212	180	166024	5.656	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	126786	5.303	ug/L	100
71) Naphthalene	14.084	128	168938	4.677	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	106003	5.382	ug/L	95

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

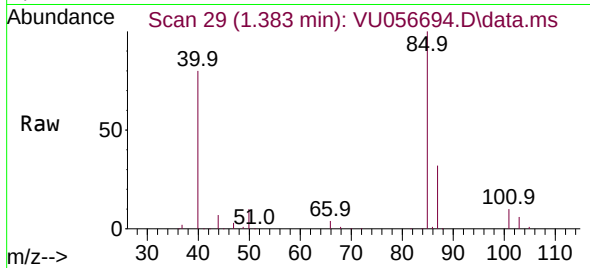
Quant Time: Dec 08 20:53:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 07 04:51:32 2023
Response via : Initial Calibration



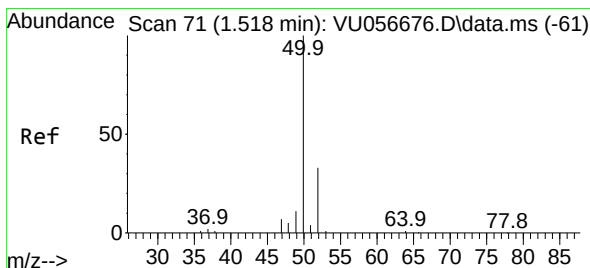
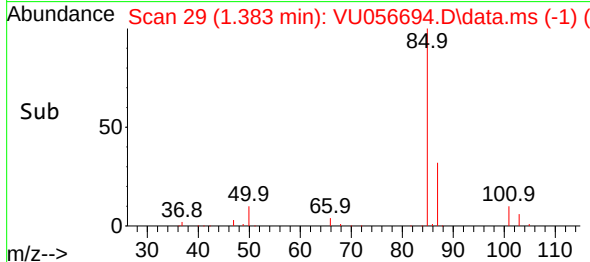
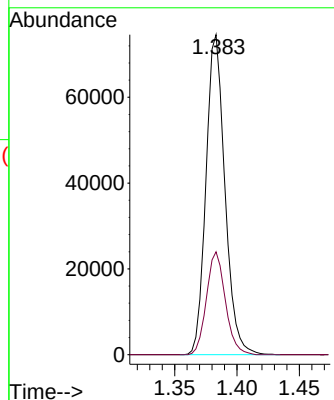


#2
 Dichlorodifluoromethane
 Concen: 3.495 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056694.D
 Acq: 08 Dec 2023 11:50

Instrument :
 MSVOA_U
 ClientSampleId :

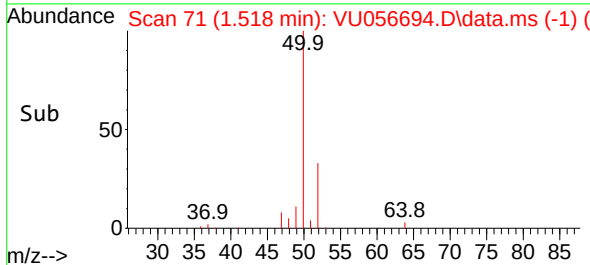
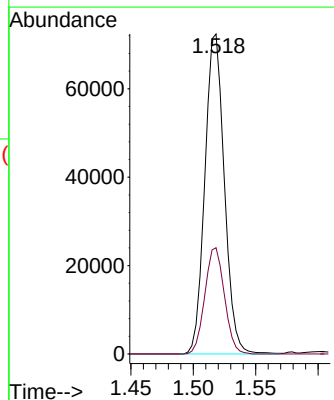
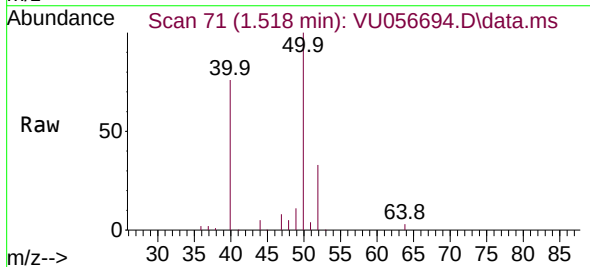


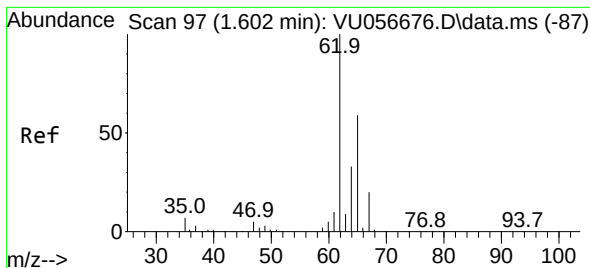
Tgt Ion: 85 Resp: 78739
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.0 37.4



#3
 Chloromethane
 Concen: 3.429 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU056694.D
 Acq: 08 Dec 2023 11:50

Tgt Ion: 50 Resp: 78947
 Ion Ratio Lower Upper
 50 100
 52 33.2 24.3 45.1





#5

Vinyl chloride

Concen: 3.881 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

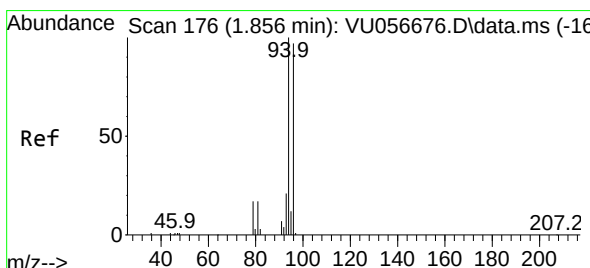
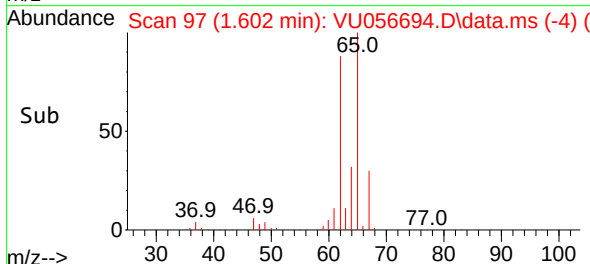
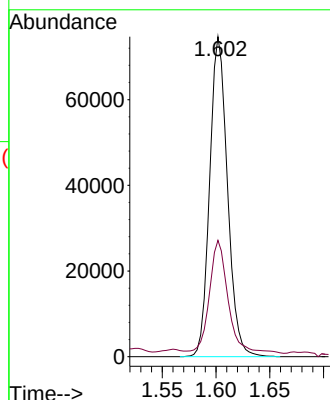
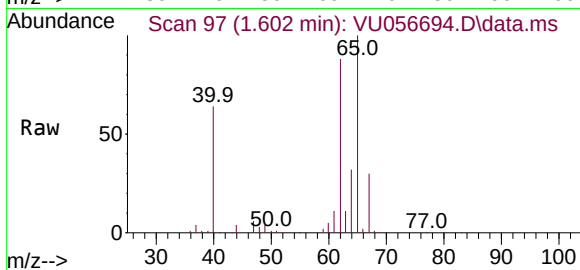
ClientSampleId :

Tgt Ion: 62 Resp: 86092

Ion Ratio Lower Upper

62 100

64 36.3 23.3 43.3



#6

Bromomethane

Concen: 4.031 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU056694.D

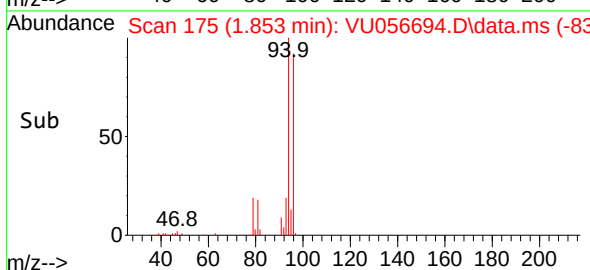
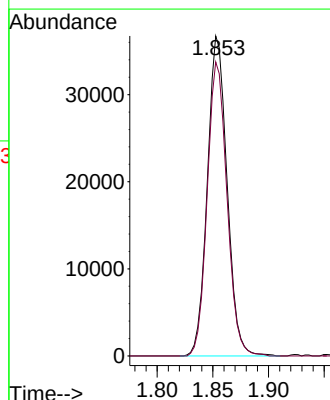
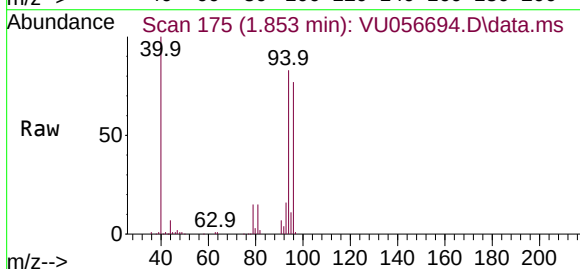
Acq: 08 Dec 2023 11:50

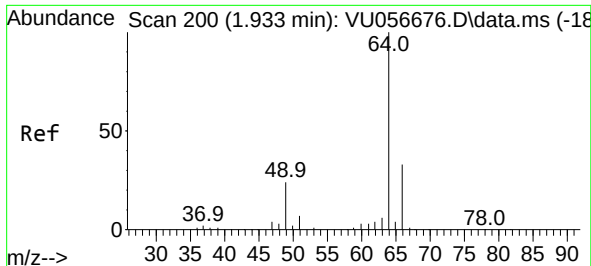
Tgt Ion: 94 Resp: 45264

Ion Ratio Lower Upper

94 100

96 91.9 62.6 116.2

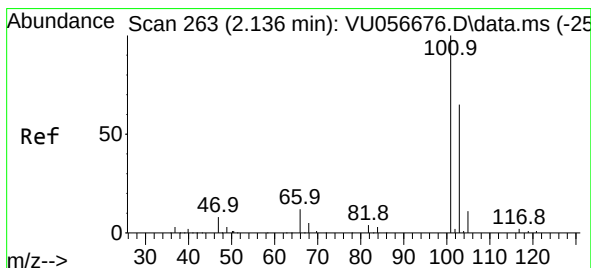
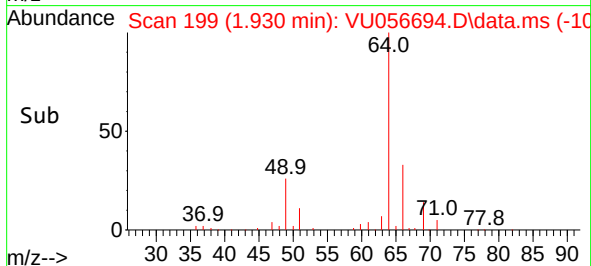
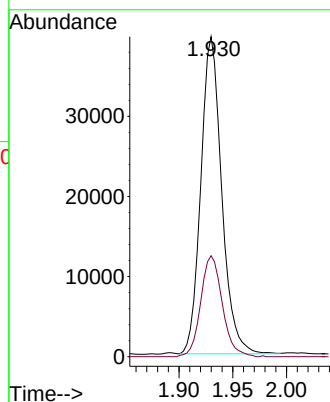
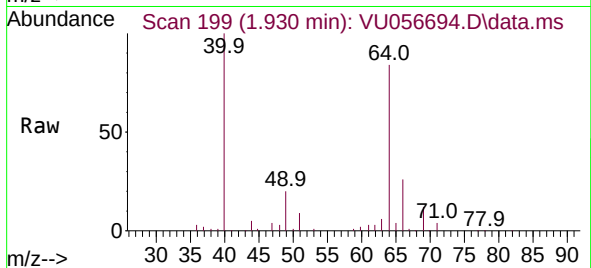




#8
Chloroethane
Concen: 3.936 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

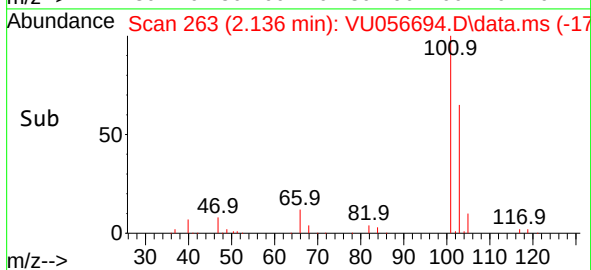
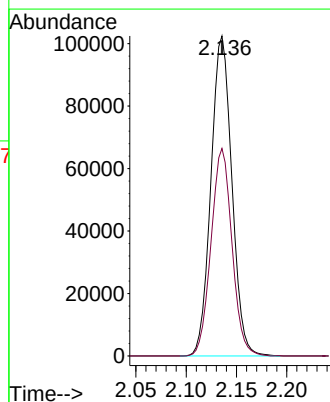
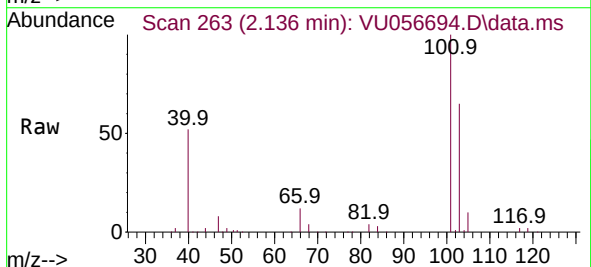
Instrument :
MSVOA_U
ClientSampleId :

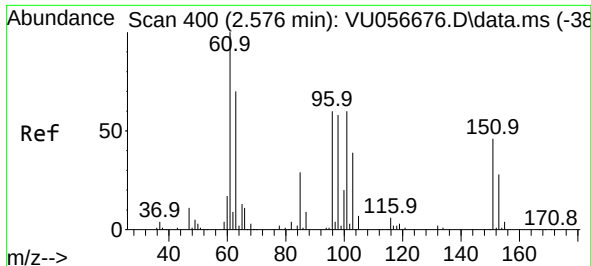
Tgt Ion: 64 Resp: 53338
Ion Ratio Lower Upper
64 100
66 31.5 23.9 44.5



#9
Trichlorofluoromethane
Concen: 4.637 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion:101 Resp: 148235
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0

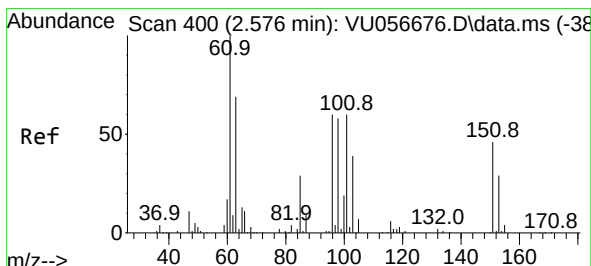
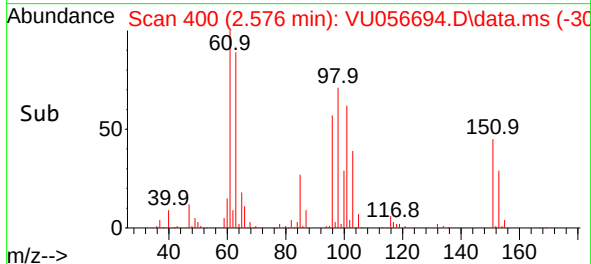
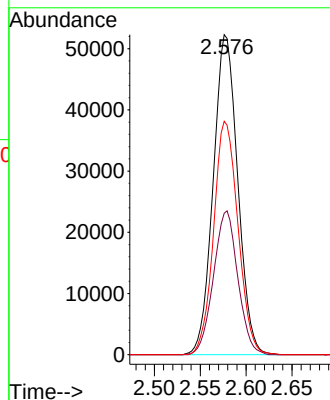
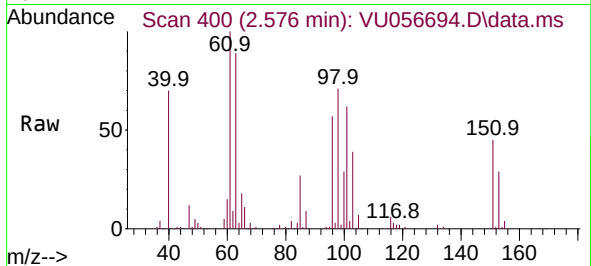




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.118 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056694.D
 Acq: 08 Dec 2023 11:50

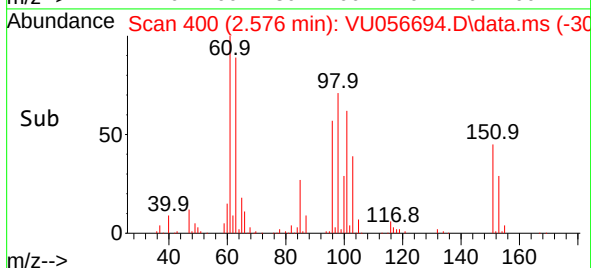
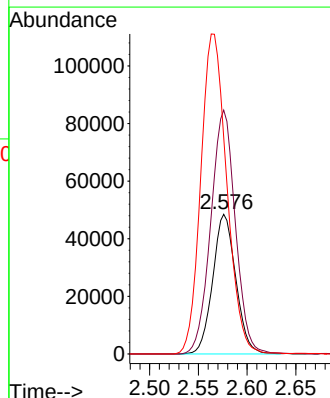
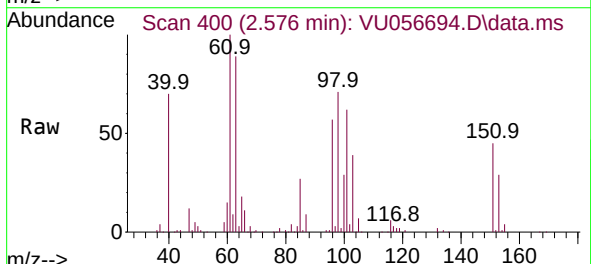
Instrument :
 MSVOA_U
 ClientSampleId :

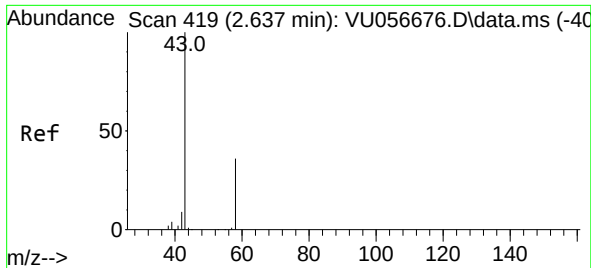
Tgt Ion:101 Resp: 97129
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.4 53.0
 151 72.6 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 4.587 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056694.D
 Acq: 08 Dec 2023 11:50

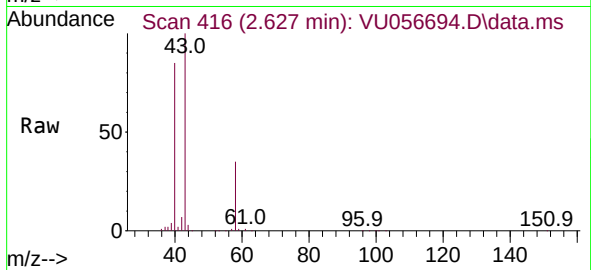
Tgt Ion: 96 Resp: 79844
 Ion Ratio Lower Upper
 96 100
 61 174.5 123.1 228.7
 63 154.9 93.3 173.3



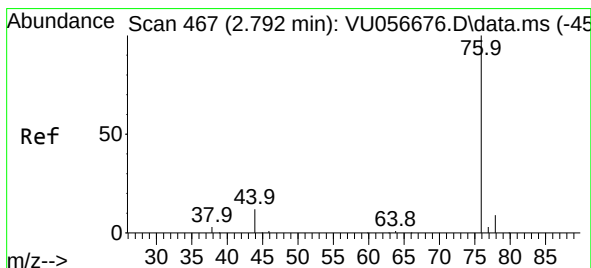
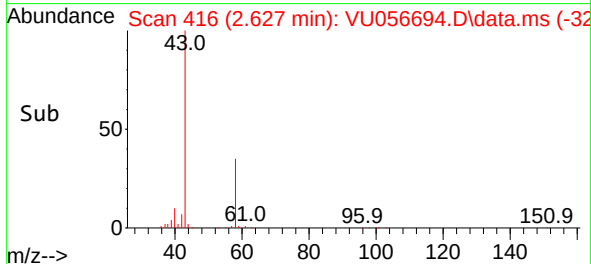
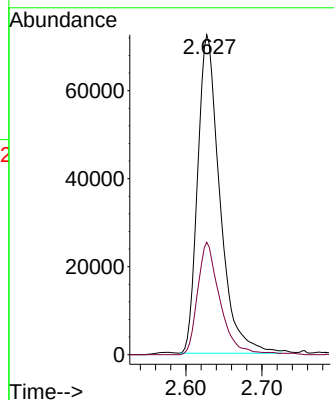


#13
Acetone
Concen: 40.751 ug/L
RT: 2.627 min Scan# 41
Delta R.T. -0.007 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Instrument :
MSVOA_U
ClientSampleId :

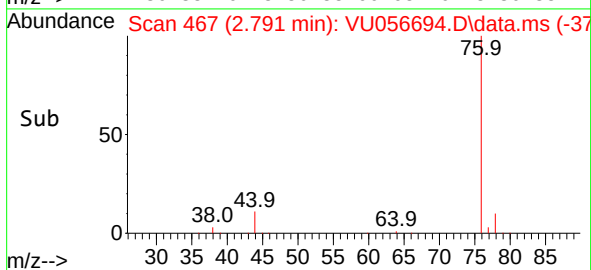
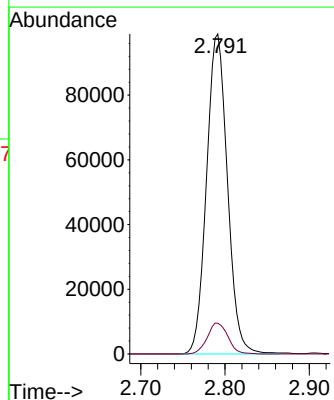
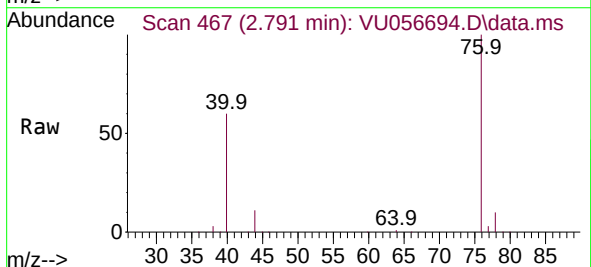


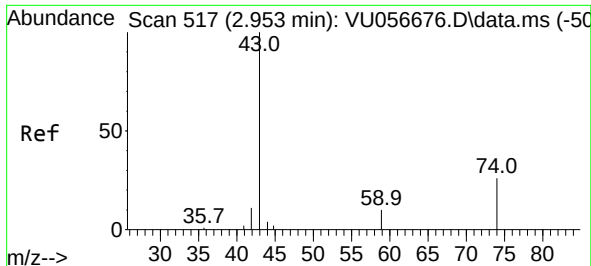
Tgt Ion: 43 Resp: 147200
Ion Ratio Lower Upper
43 100
58 35.2 0.0 70.0



#14
Carbon disulfide
Concen: 3.012 ug/L
RT: 2.791 min Scan# 467
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion: 76 Resp: 170638
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2

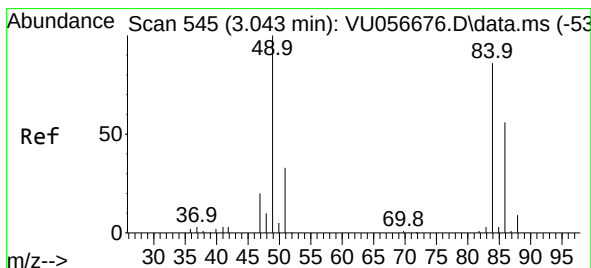
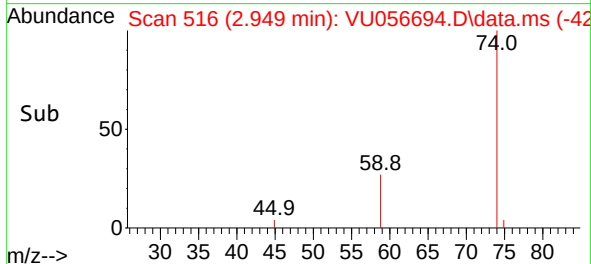
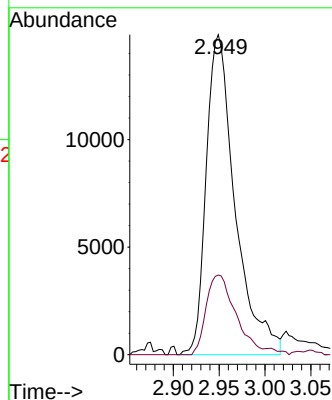
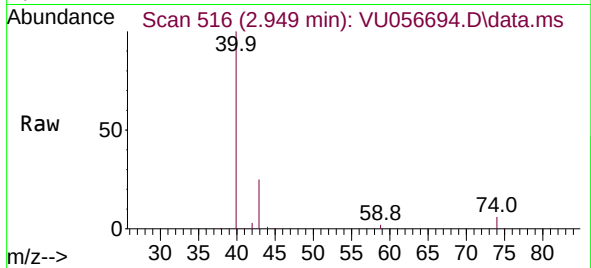




#15
Methyl Acetate
Concen: 5.079 ug/L
RT: 2.949 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

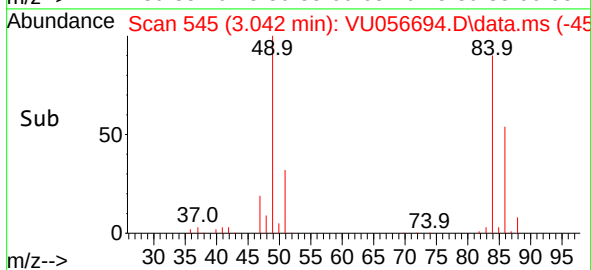
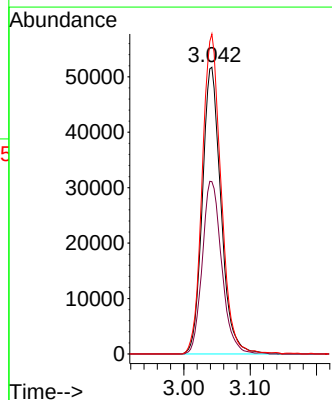
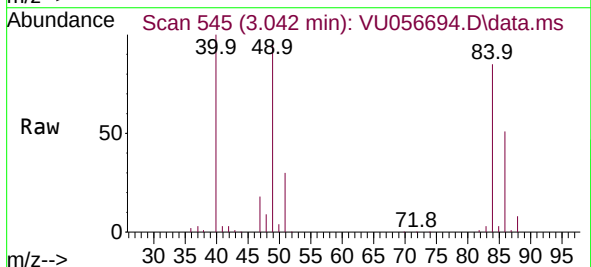
Instrument :
MSVOA_U
ClientSampleId :

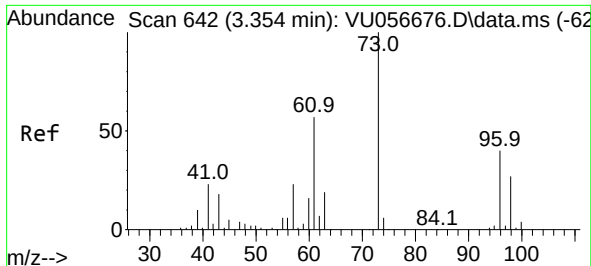
Tgt Ion: 43 Resp: 32646
Ion Ratio Lower Upper
43 100
74 25.3 20.6 31.0



#16
Methylene chloride
Concen: 4.383 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion: 84 Resp: 100960
Ion Ratio Lower Upper
84 100
86 60.1 44.7 83.1
49 111.6 81.8 152.0





#17

Methyl tert-butyl Ether

Concen: 5.338 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

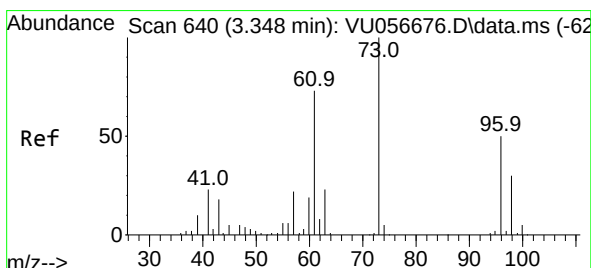
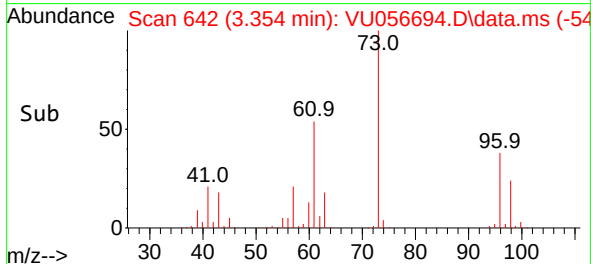
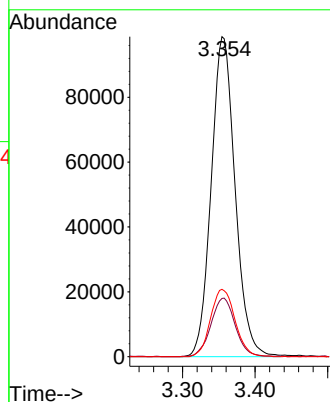
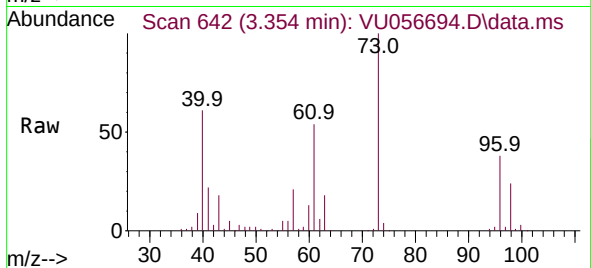
Tgt Ion: 73 Resp: 225745

Ion Ratio Lower Upper

73 100

43 18.8 15.1 22.7

57 21.6 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 4.602 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

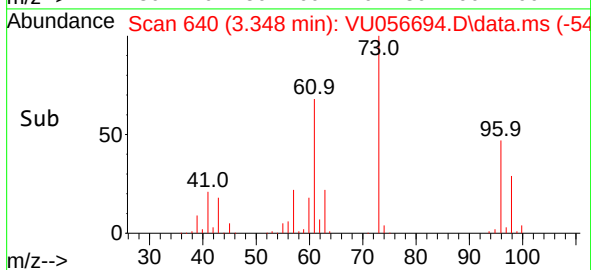
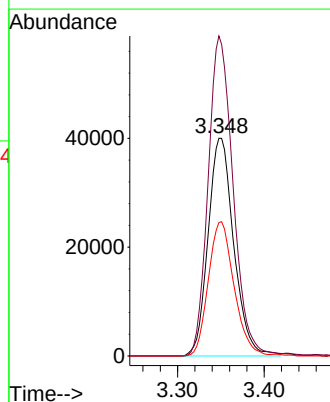
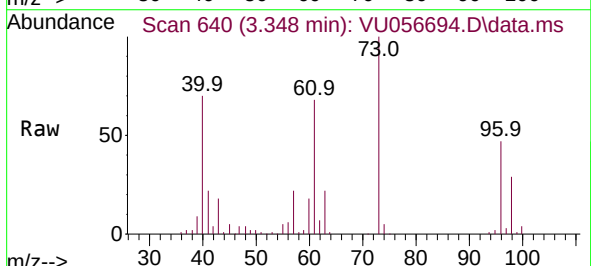
Tgt Ion: 96 Resp: 82419

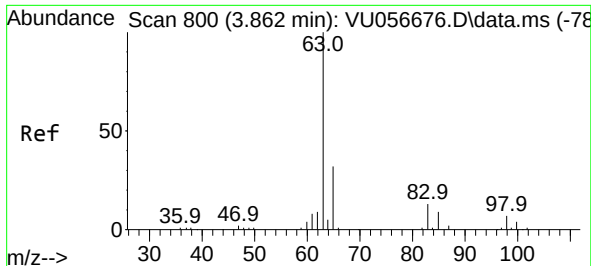
Ion Ratio Lower Upper

96 100

61 147.0 101.7 188.9

98 61.3 43.0 80.0





#19

1,1-Dichloroethane

Concen: 5.283 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

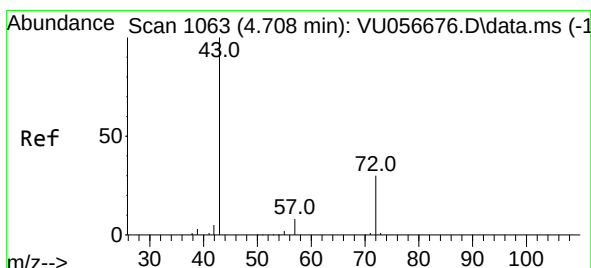
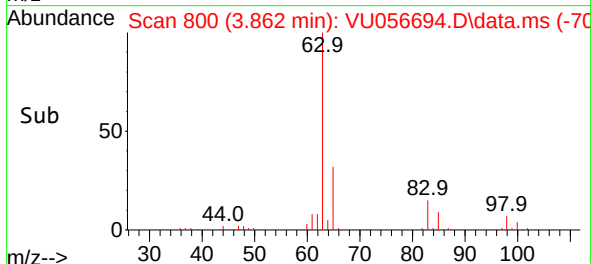
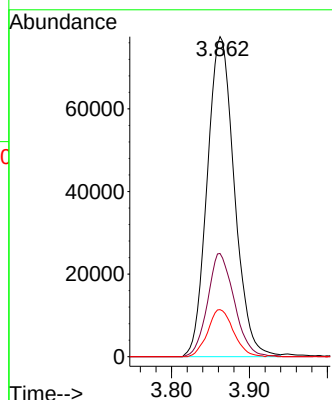
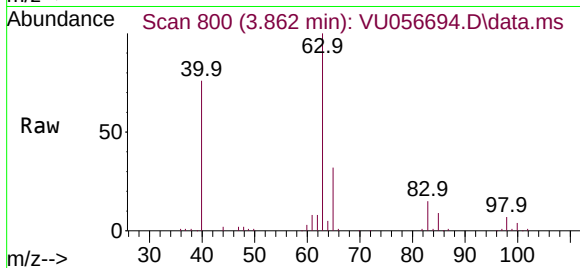
Tgt Ion: 63 Resp: 187440

Ion Ratio Lower Upper

63 100

65 32.2 21.8 40.6

83 14.7 9.7 17.9



#21

2-Butanone

Concen: 46.104 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. -0.003 min

Lab File: VU056694.D

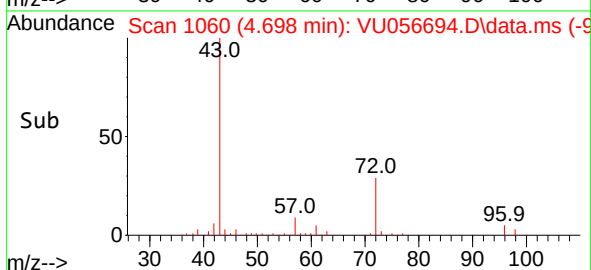
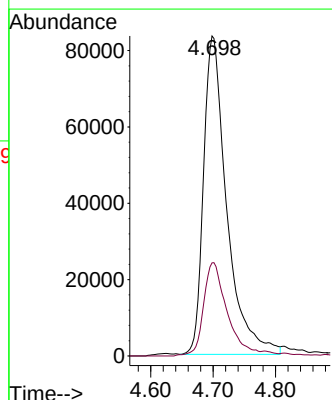
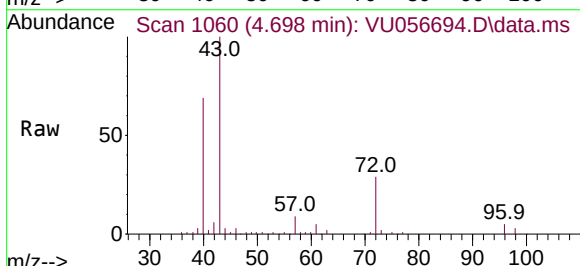
Acq: 08 Dec 2023 11:50

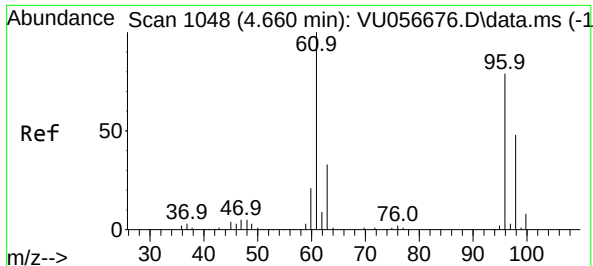
Tgt Ion: 43 Resp: 216096

Ion Ratio Lower Upper

43 100

72 29.6 14.2 42.6

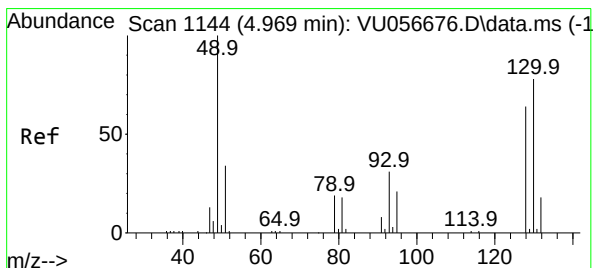
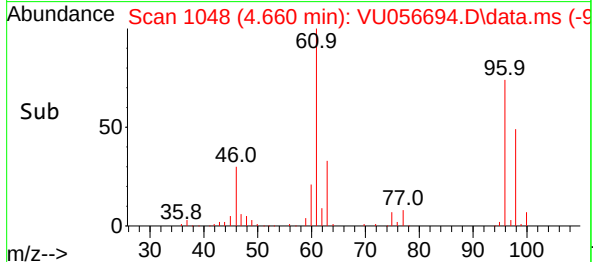
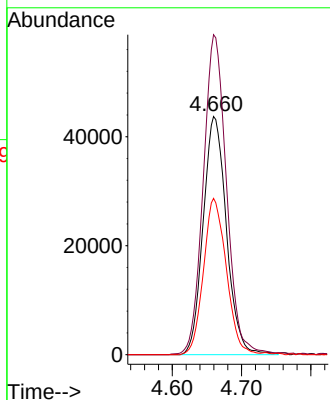
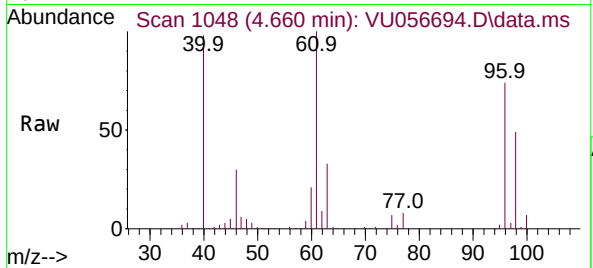




#22
 cis-1,2-Dichloroethene
 Concen: 5.024 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU056694.D
 Acq: 08 Dec 2023 11:50

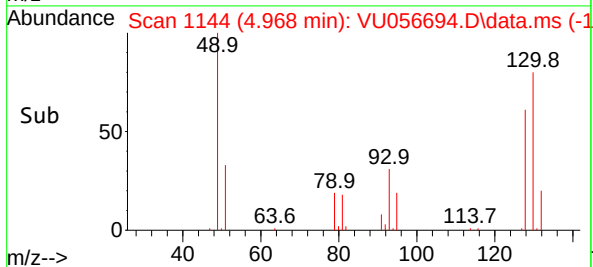
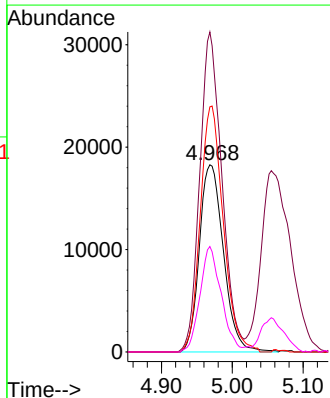
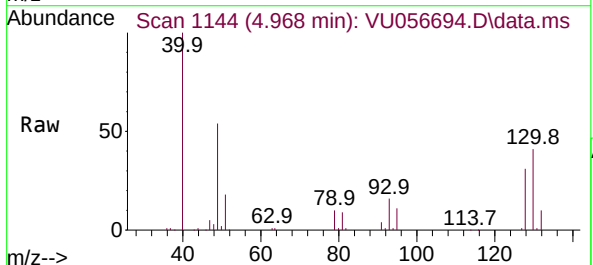
Instrument :
 MSVOA_U
 ClientSampleId :

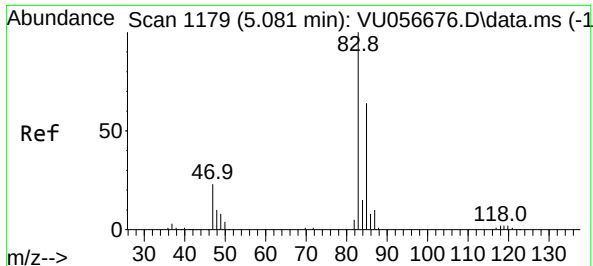
Tgt Ion: 96 Resp: 102044
 Ion Ratio Lower Upper
 96 100
 61 134.3 93.2 173.2
 98 65.6 44.8 83.2



#23
 Bromochloromethane
 Concen: 5.167 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056694.D
 Acq: 08 Dec 2023 11:50

Tgt Ion: 128 Resp: 43198
 Ion Ratio Lower Upper
 128 100
 49 170.9 113.4 210.6
 130 130.9 84.8 157.6
 51 56.3 39.8 59.6

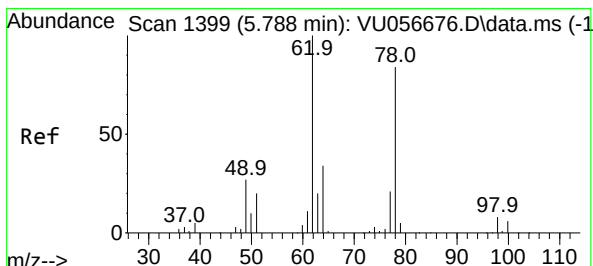
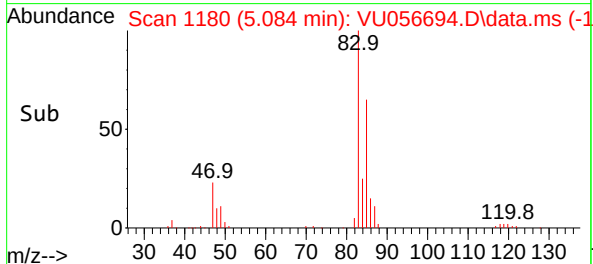
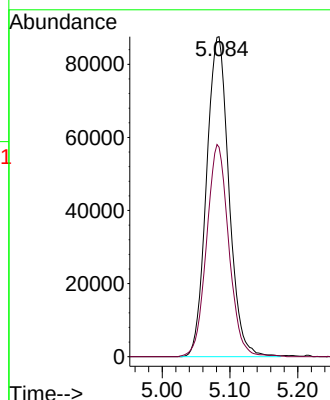
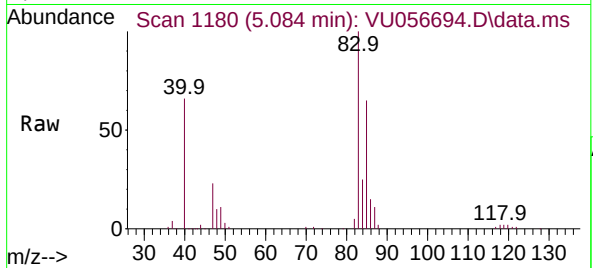




#25
Chloroform
Concen: 5.226 ug/L
RT: 5.084 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

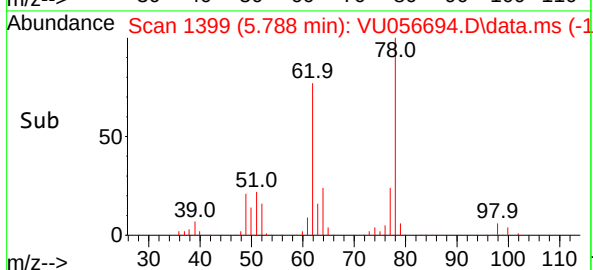
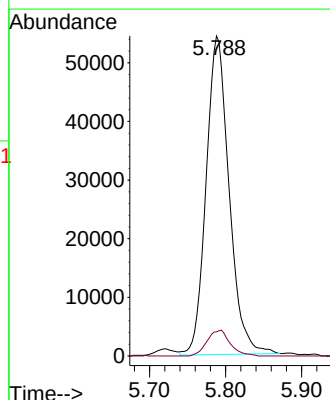
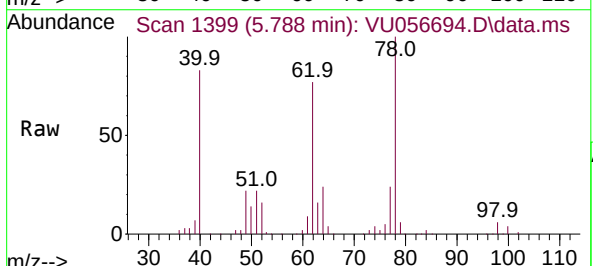
Instrument :
MSVOA_U
ClientSampleId :

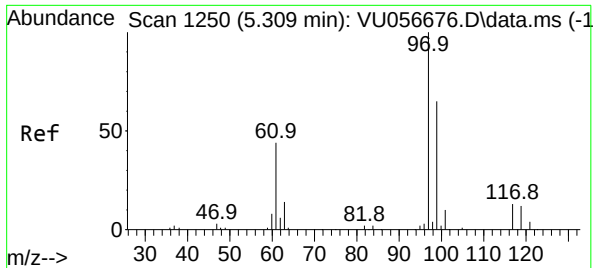
Tgt Ion: 83 Resp: 200860
Ion Ratio Lower Upper
83 100
85 65.4 47.0 87.2



#27
1,2-Dichloroethane
Concen: 5.234 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion: 62 Resp: 114222
Ion Ratio Lower Upper
62 100
98 7.6 6.6 10.0

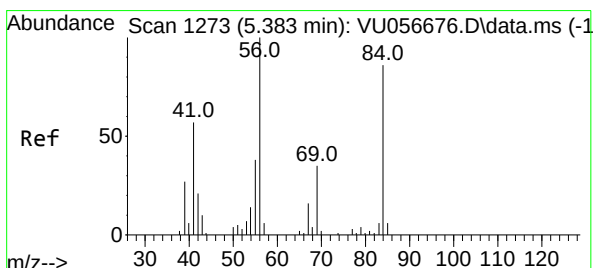
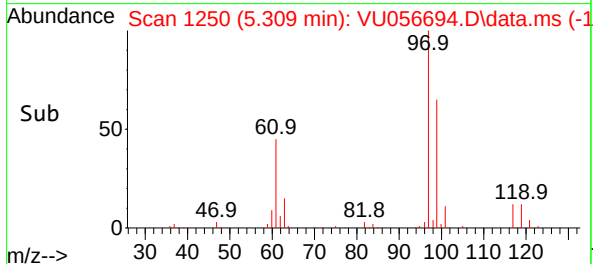
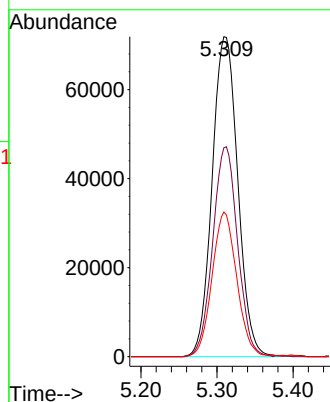
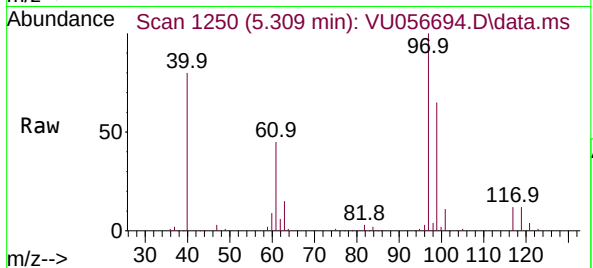




#29
1,1,1-Trichloroethane
Concen: 5.303 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

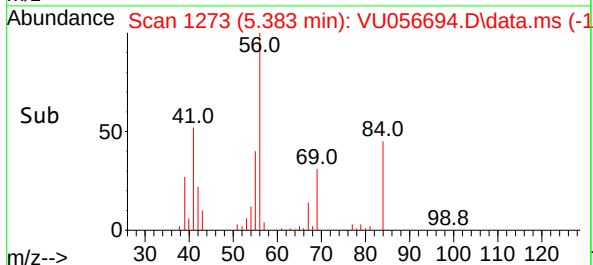
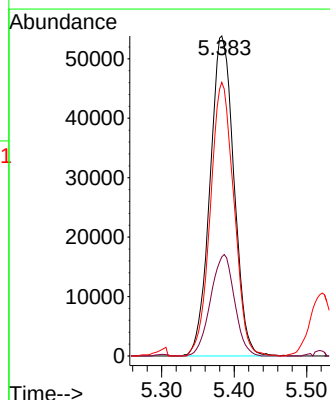
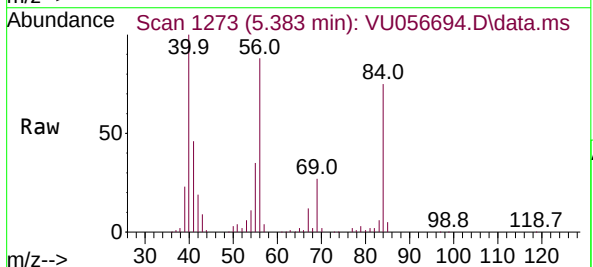
Instrument :
MSVOA_U
ClientSampleId :

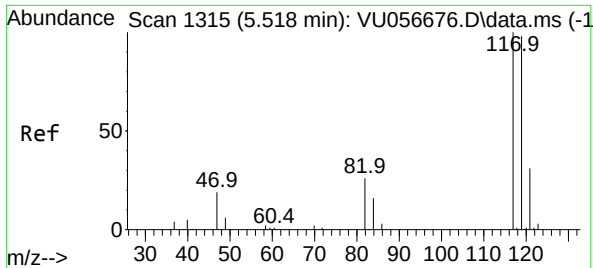
Tgt Ion: 97 Resp: 168411
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 43.6 34.3 51.5



#30
Cyclohexane
Concen: 4.094 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion: 56 Resp: 123421
Ion Ratio Lower Upper
56 100
69 31.7 25.4 38.2
84 84.2 68.6 103.0

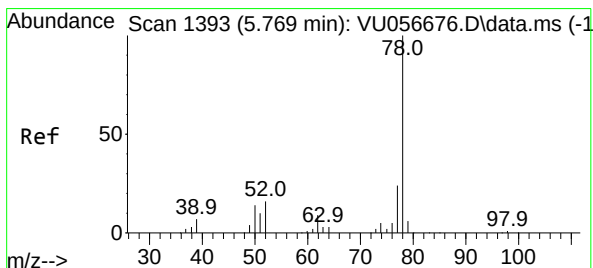
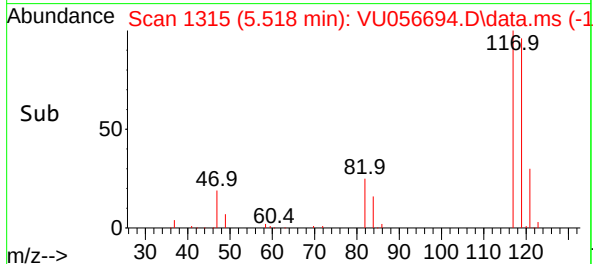
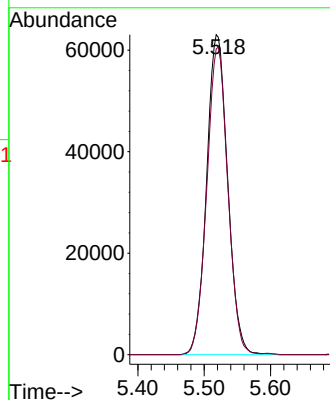
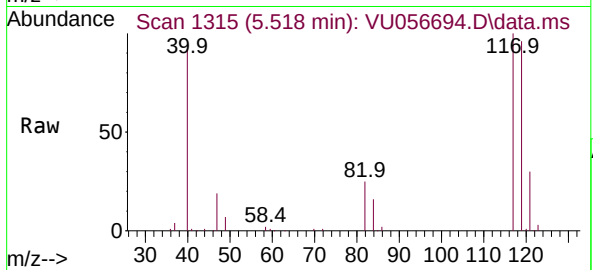




#31
Carbon tetrachloride
Concen: 5.112 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

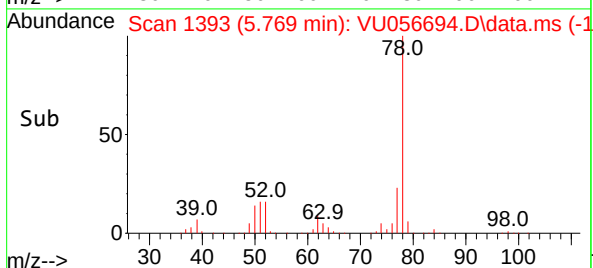
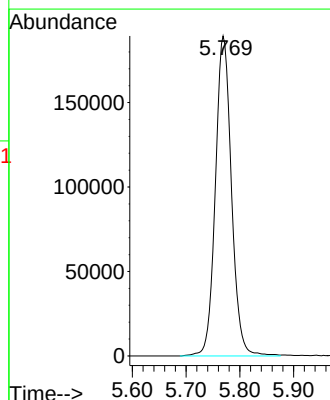
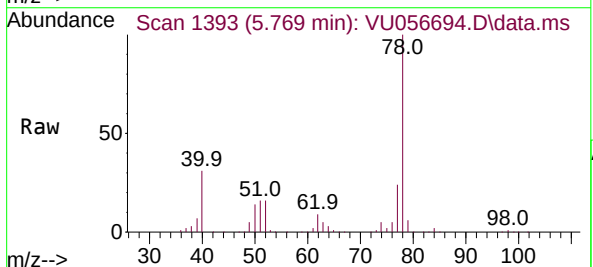
Instrument :
MSVOA_U
ClientSampleId :

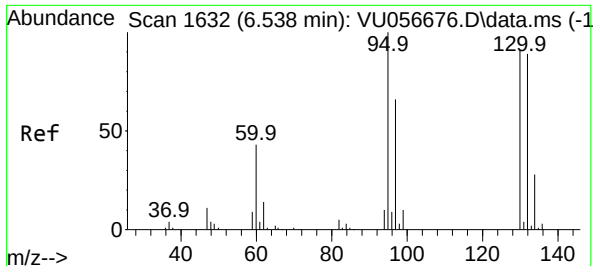
Tgt Ion:117 Resp: 139441
Ion Ratio Lower Upper
117 100
119 95.8 78.1 117.1



#33
Benzene
Concen: 4.994 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion: 78 Resp: 394271





#34

Trichloroethene

Concen: 4.956 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 106602

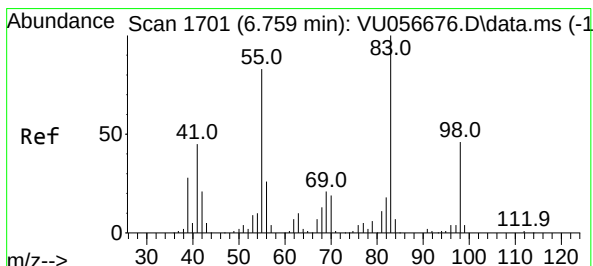
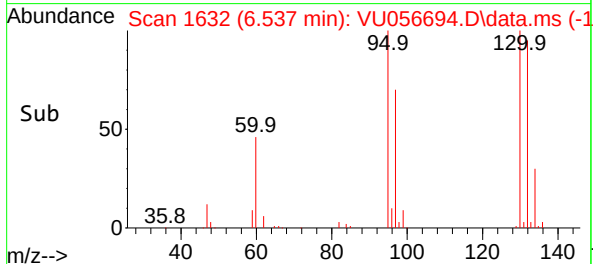
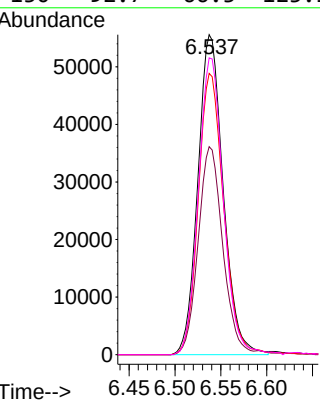
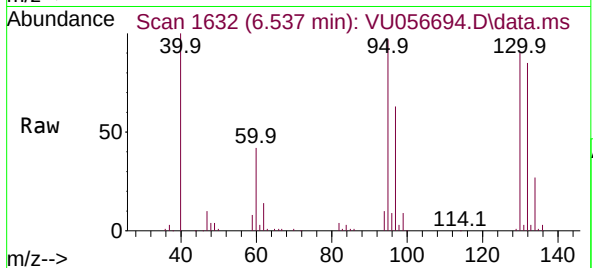
Ion Ratio Lower Upper

95 100

97 65.0 46.5 86.3

132 87.9 62.0 115.2

130 92.7 66.3 123.1



#35

Methylcyclohexane

Concen: 4.315 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

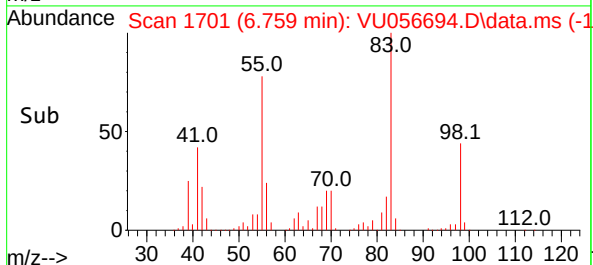
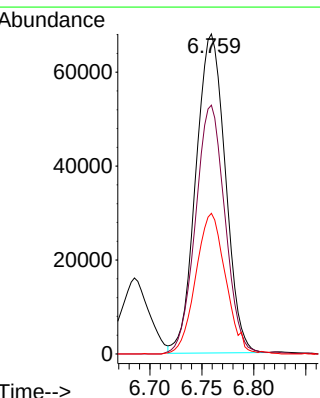
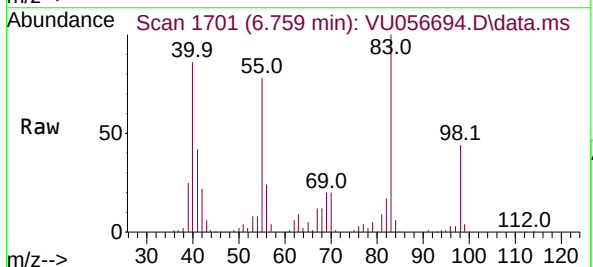
Tgt Ion: 83 Resp: 133995

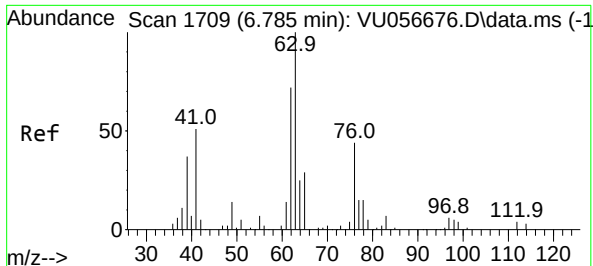
Ion Ratio Lower Upper

83 100

55 78.1 62.9 94.3

98 44.6 35.3 52.9

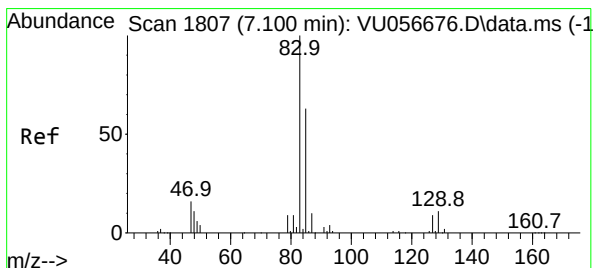
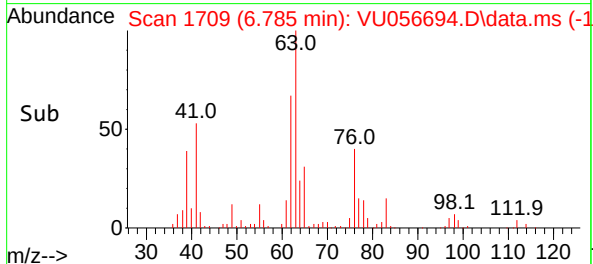
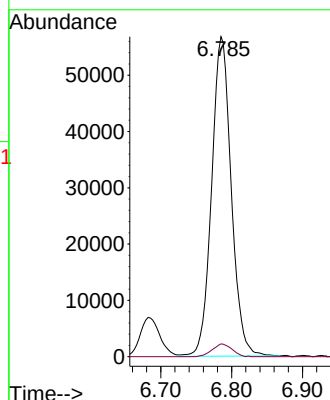
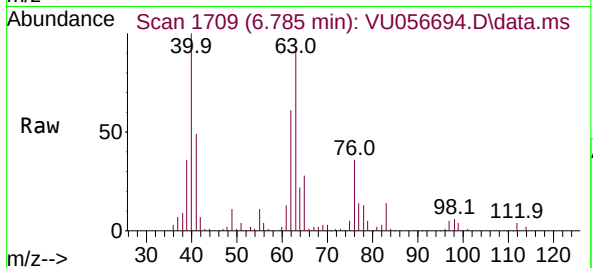




#37
1,2-Dichloropropane
Concen: 5.298 ug/L
RT: 6.785 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

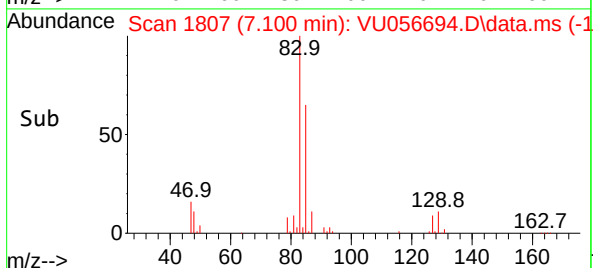
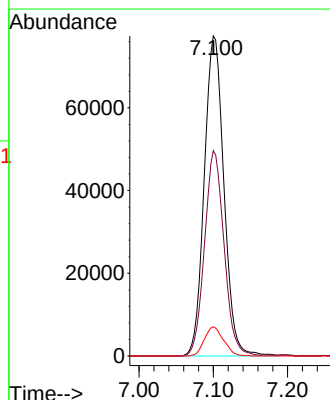
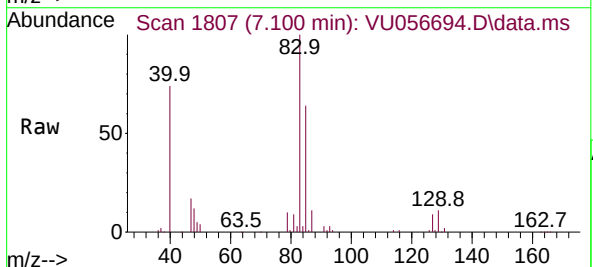
Instrument :
MSVOA_U
ClientSampleId :

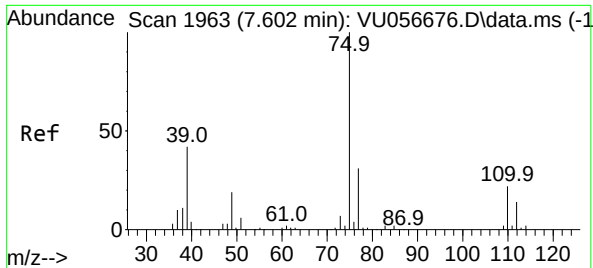
Tgt Ion: 63 Resp: 109080
Ion Ratio Lower Upper
63 100
112 4.0 3.2 4.8



#38
Bromodichloromethane
Concen: 5.355 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion: 83 Resp: 142336
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5
127 9.1 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.114 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

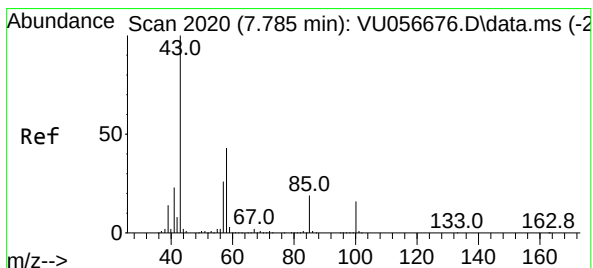
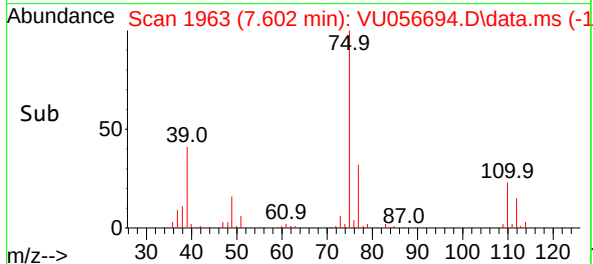
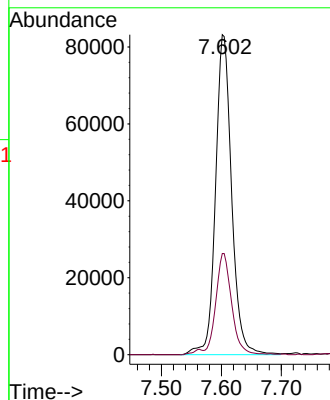
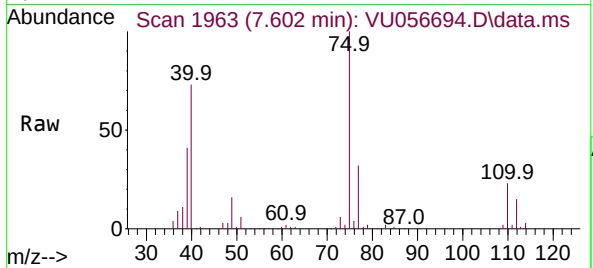
ClientSampleId :

Tgt Ion: 75 Resp: 154715

Ion Ratio Lower Upper

75 100

77 31.6 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 53.117 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

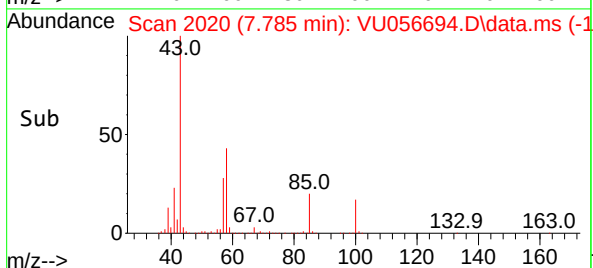
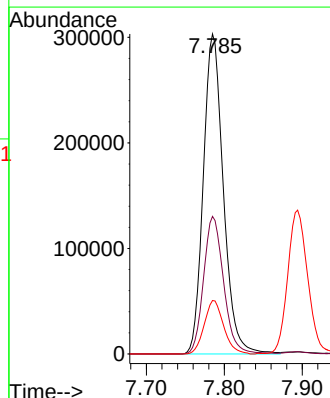
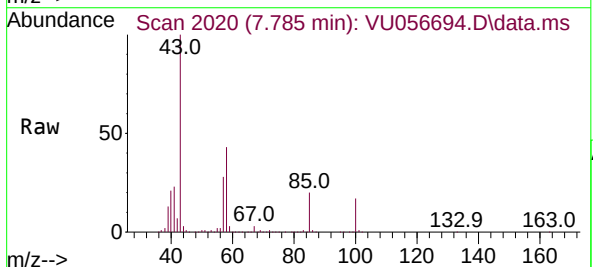
Tgt Ion: 43 Resp: 542095

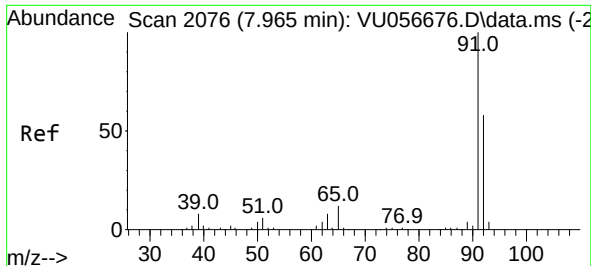
Ion Ratio Lower Upper

43 100

58 43.0 33.8 50.8

100 16.2 13.0 19.4





#42

Toluene

Concen: 5.113 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

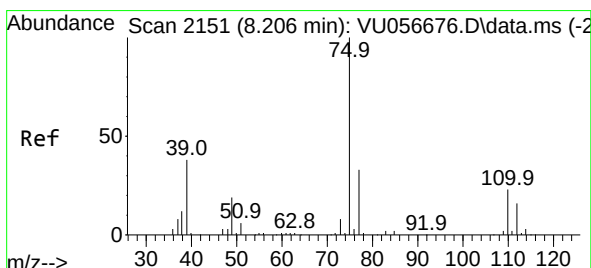
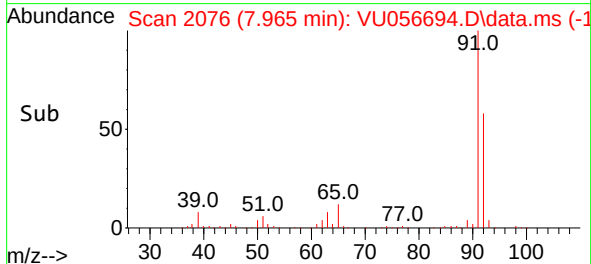
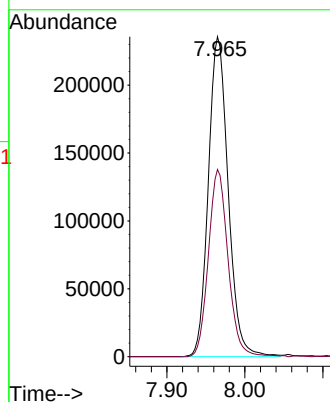
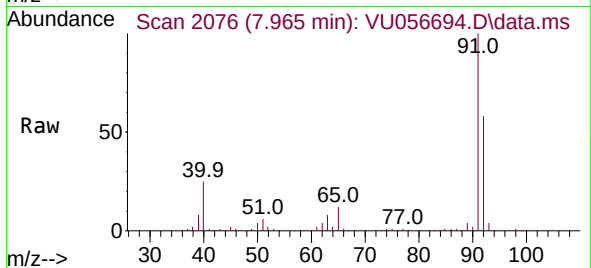
ClientSampleId :

Tgt Ion: 91 Resp: 417915

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.273 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056694.D

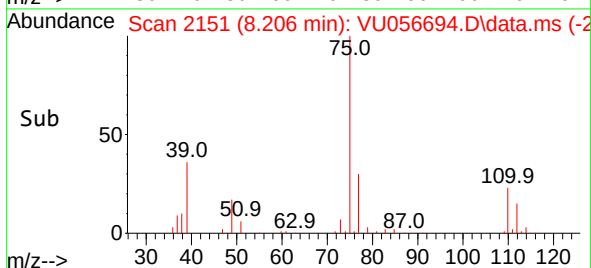
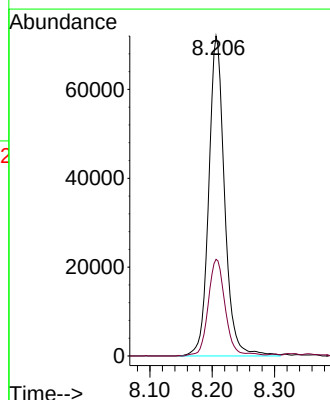
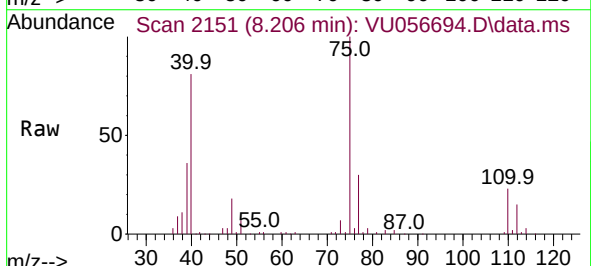
Acq: 08 Dec 2023 11:50

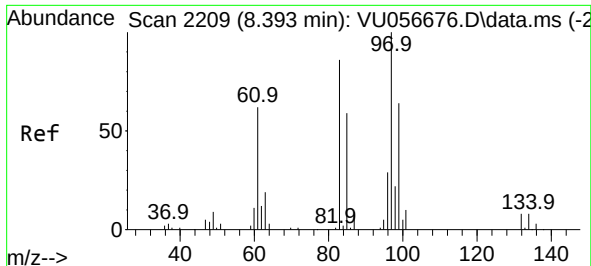
Tgt Ion: 75 Resp: 127167

Ion Ratio Lower Upper

75 100

77 30.2 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 5.498 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 75386

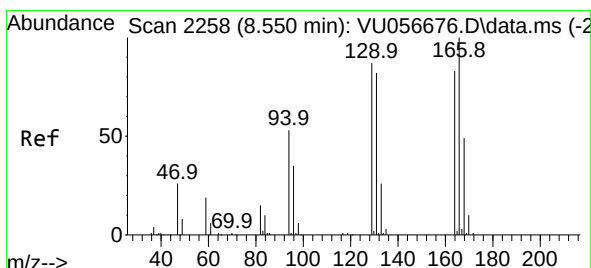
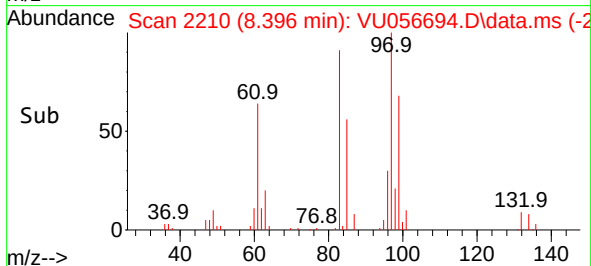
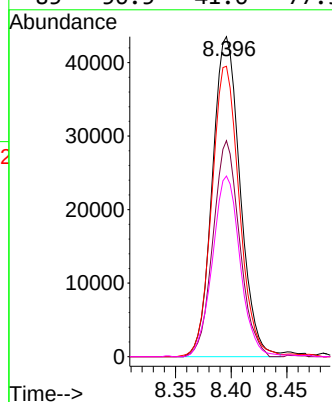
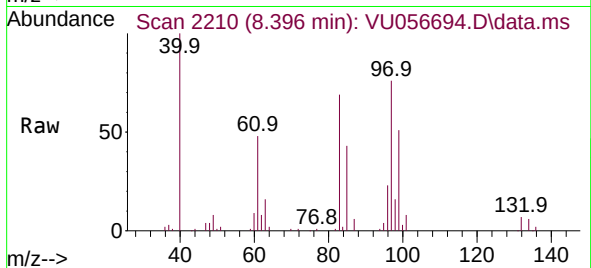
Ion Ratio Lower Upper

97 100

99 67.5 44.3 82.3

83 90.8 65.4 121.4

85 56.5 41.6 77.3



#47

Tetrachloroethene

Concen: 4.817 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Tgt Ion:164 Resp: 69875

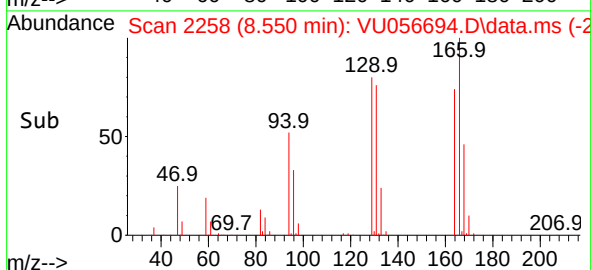
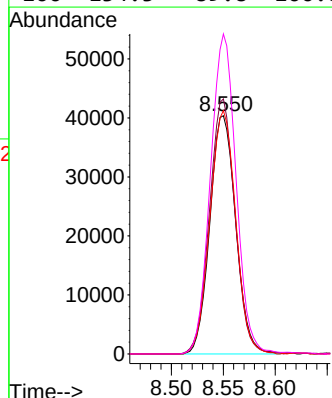
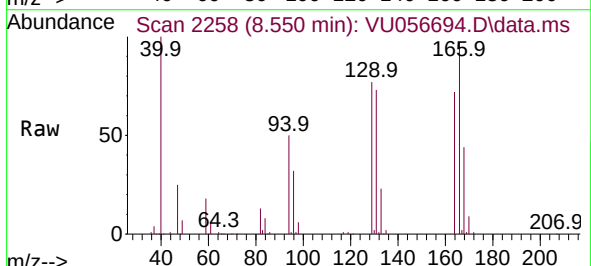
Ion Ratio Lower Upper

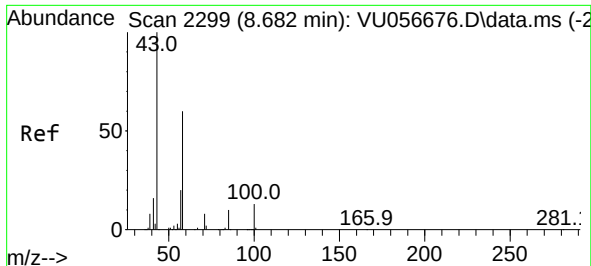
164 100

129 107.1 71.0 131.9

131 102.2 70.3 130.7

166 134.3 89.8 166.8

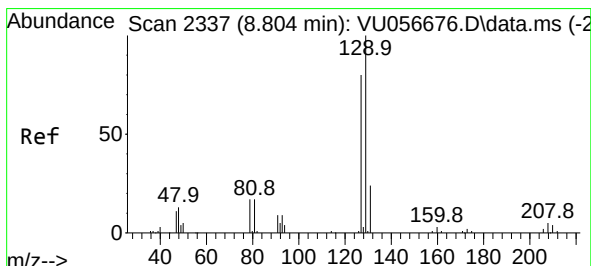
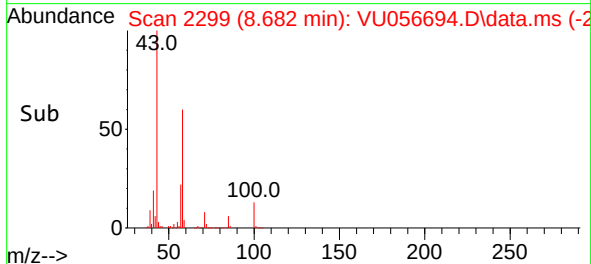
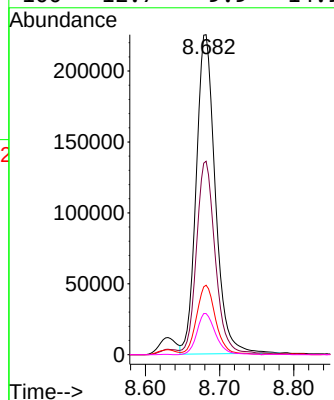
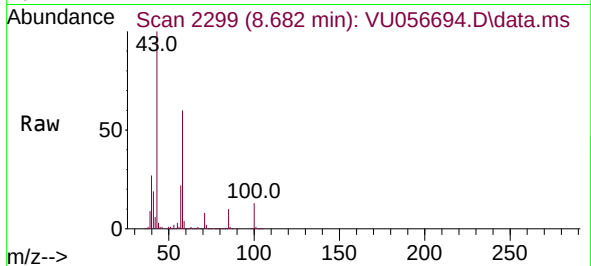




#48
2-Hexanone
Concen: 50.762 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

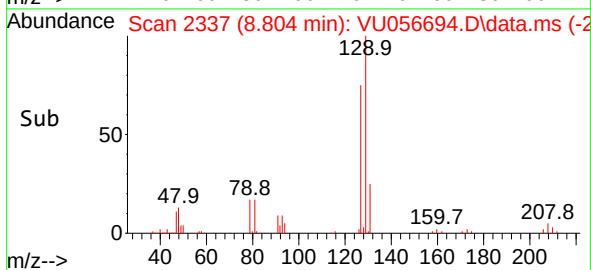
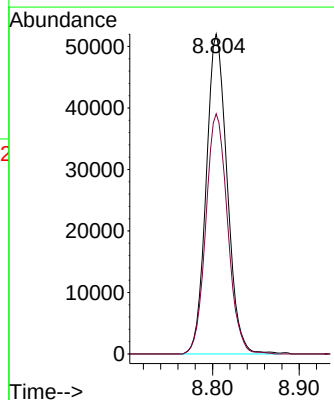
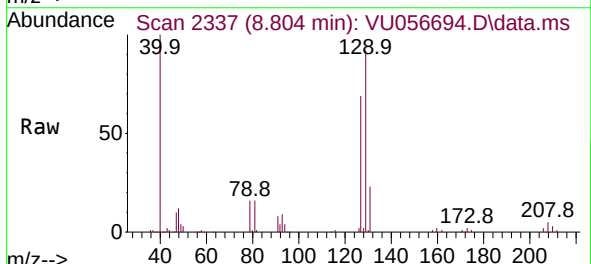
Instrument :
MSVOA_U
ClientSampleId :

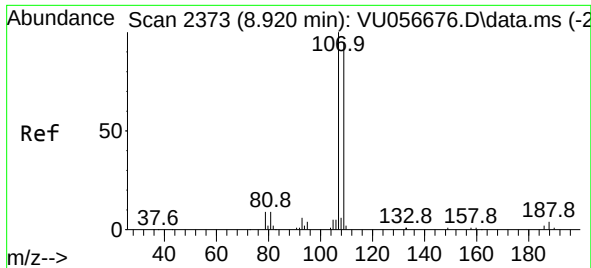
Tgt Ion: 43 Resp: 403594
Ion Ratio Lower Upper
43 100
58 58.9 48.7 73.1
57 21.9 16.8 25.2
100 12.7 9.9 14.9



#49
Dibromochloromethane
Concen: 5.604 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion: 129 Resp: 87377
Ion Ratio Lower Upper
129 100
127 75.0 52.9 98.3

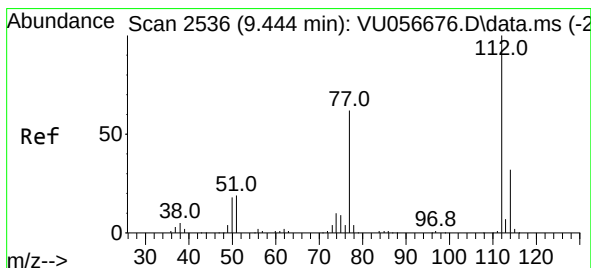
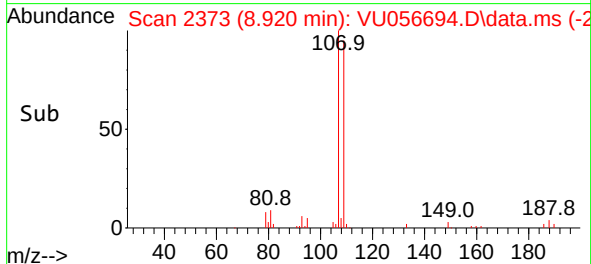
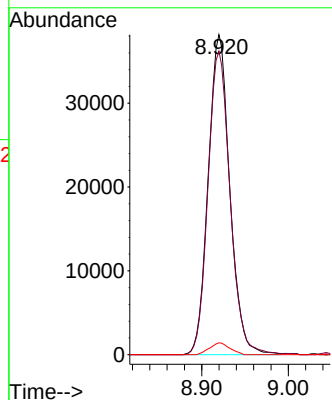
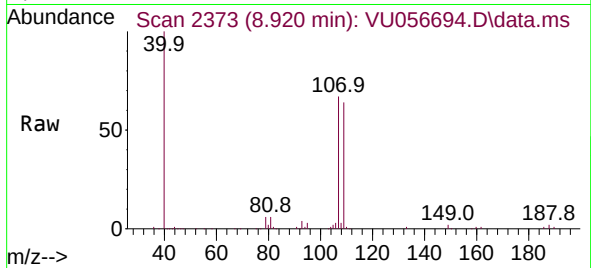




#50
1,2-Dibromoethane
Concen: 5.116 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

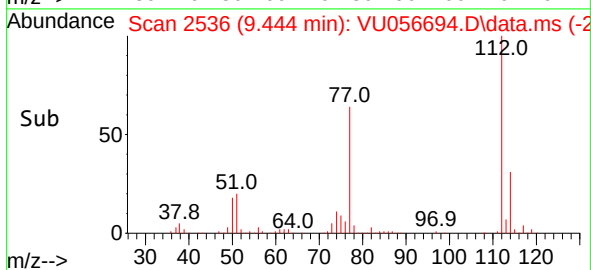
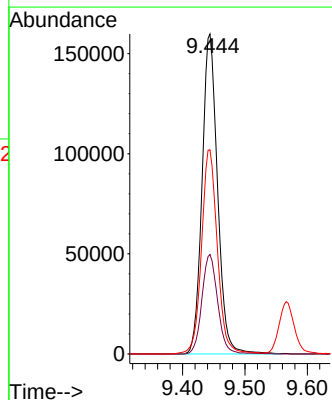
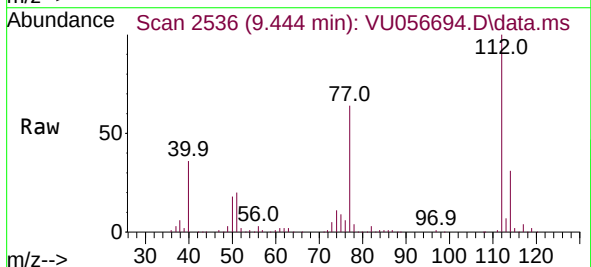
Instrument :
MSVOA_U
ClientSampleId :

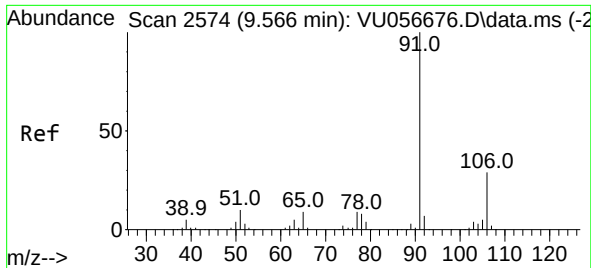
Tgt Ion:107 Resp: 66223
Ion Ratio Lower Upper
107 100
109 94.9 64.2 119.2
188 3.7 2.6 4.0



#51
Chlorobenzene
Concen: 5.260 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion:112 Resp: 276246
Ion Ratio Lower Upper
112 100
114 31.1 22.5 41.7
77 63.8 51.7 77.5

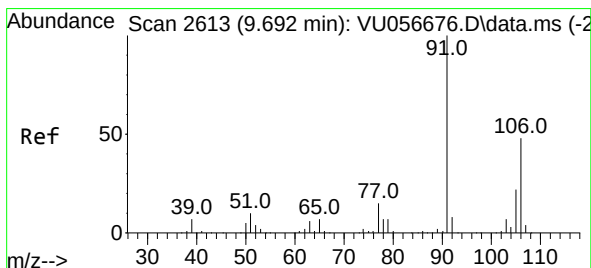
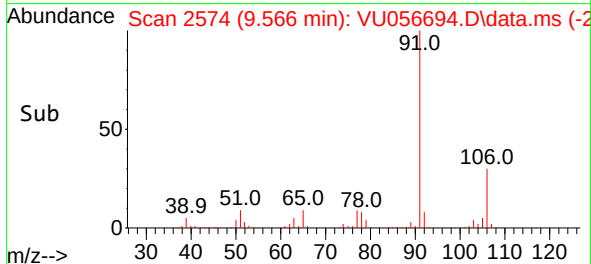
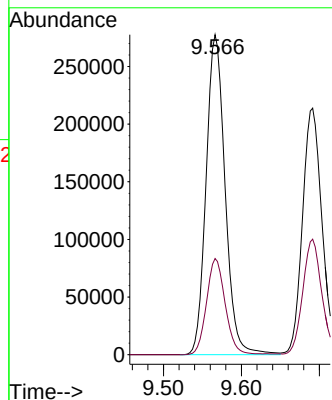
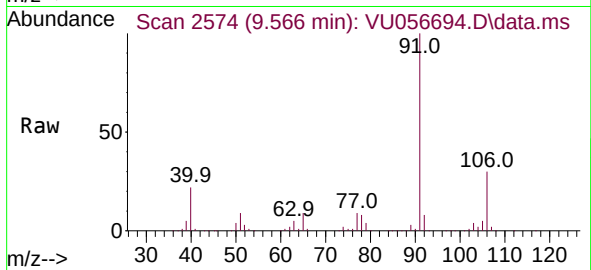




#52
Ethylbenzene
Concen: 5.186 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

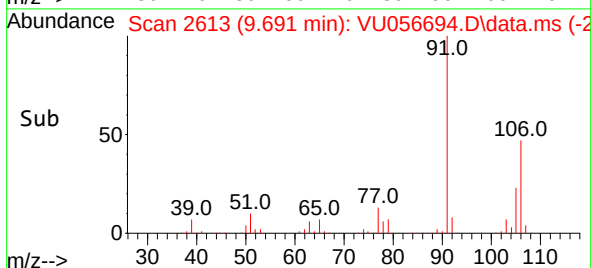
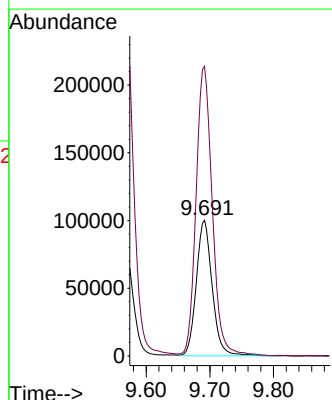
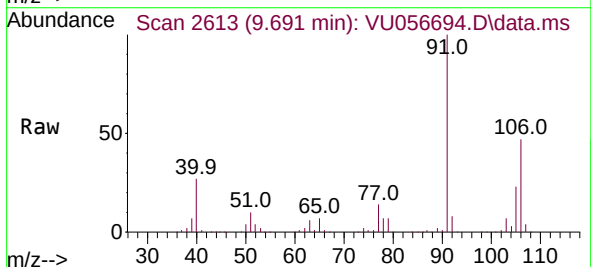
Instrument :
MSVOA_U
ClientSampleId :

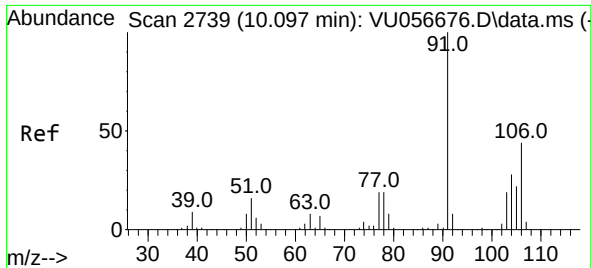
Tgt Ion: 91 Resp: 470700
Ion Ratio Lower Upper
91 100
106 30.0 21.1 39.1



#53
m,p-Xylene
Concen: 5.193 ug/L
RT: 9.691 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion: 106 Resp: 173257
Ion Ratio Lower Upper
106 100
91 213.5 149.6 277.8

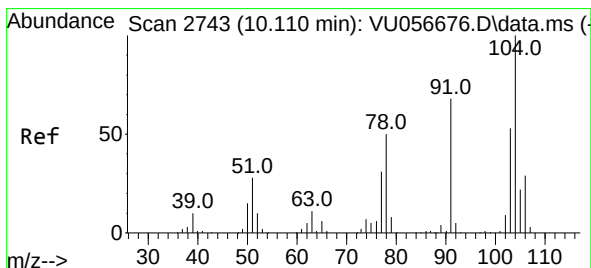
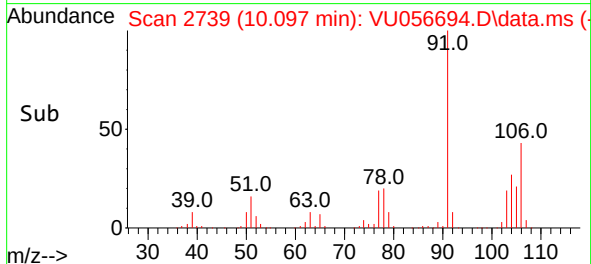
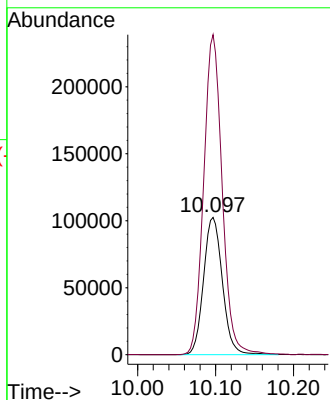
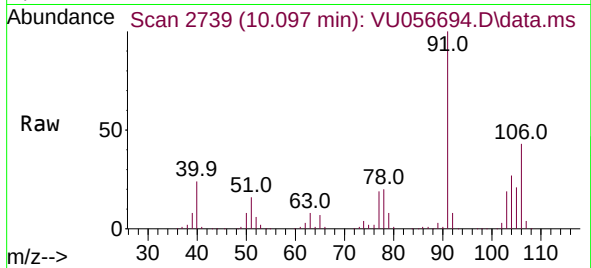




#54
o-Xylene
Concen: 5.310 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

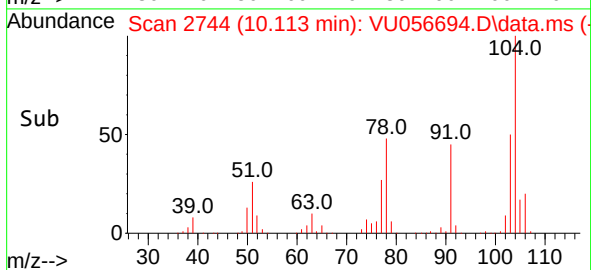
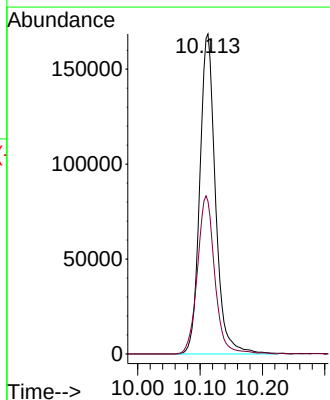
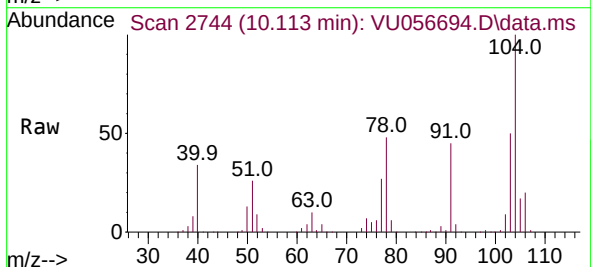
Instrument :
MSVOA_U
ClientSampleId :

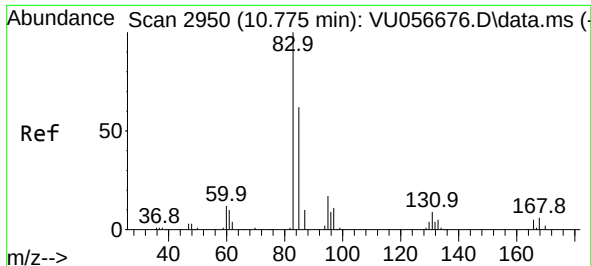
Tgt Ion:106 Resp: 172097
Ion Ratio Lower Upper
106 100
91 233.0 159.3 295.9



#55
Styrene
Concen: 5.491 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion:104 Resp: 296037
Ion Ratio Lower Upper
104 100
78 47.7 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.719 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

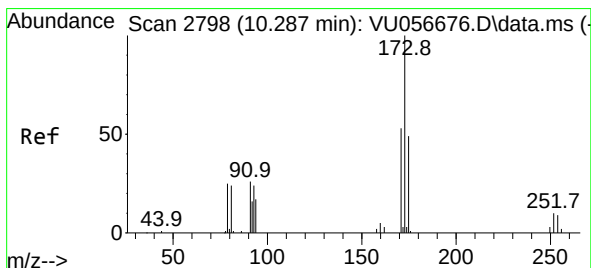
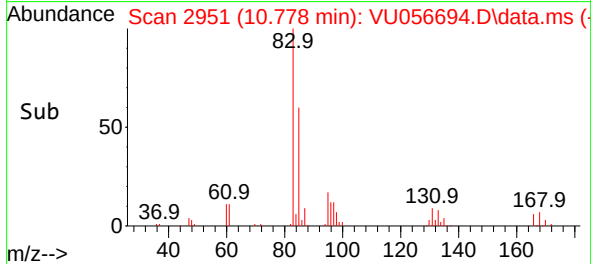
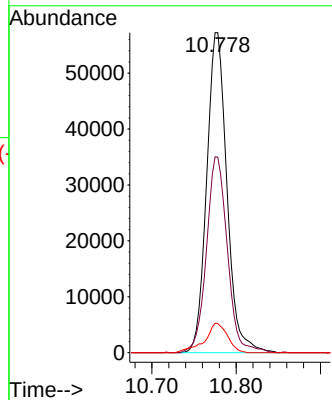
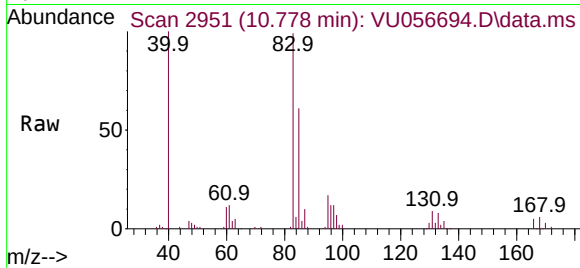
Tgt Ion: 83 Resp: 95740

Ion Ratio Lower Upper

83 100

85 61.1 46.3 86.1

131 9.1 6.7 10.1



#59

Bromoform

Concen: 5.813 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

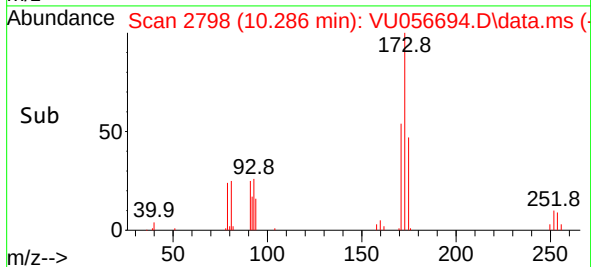
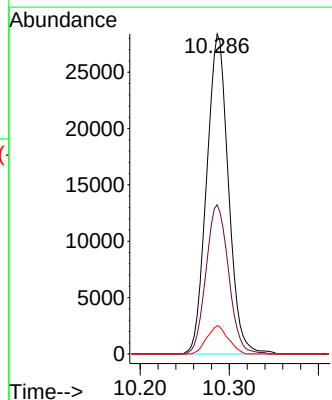
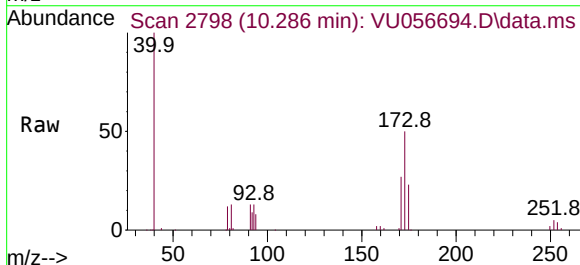
Tgt Ion:173 Resp: 48120

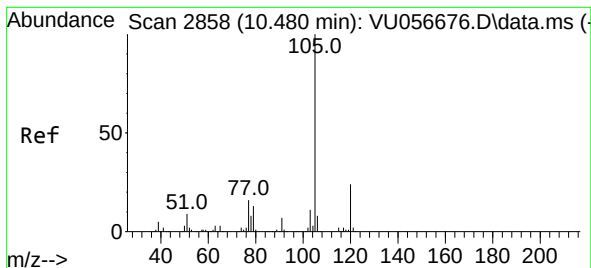
Ion Ratio Lower Upper

173 100

175 48.3 38.9 58.3

254 8.6 6.7 10.1





#60

Isopropylbenzene

Concen: 5.615 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

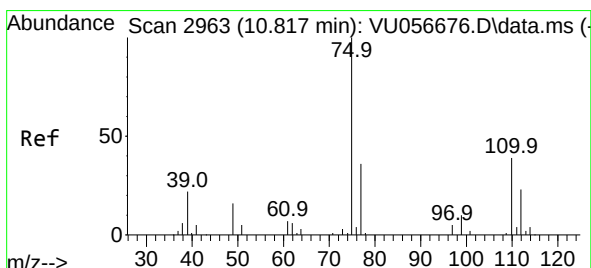
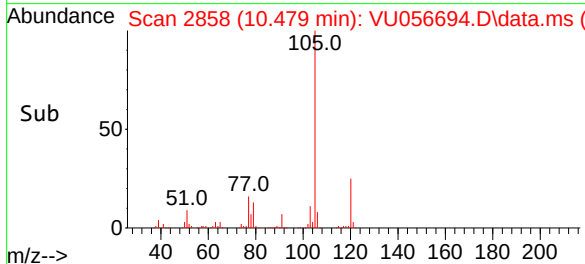
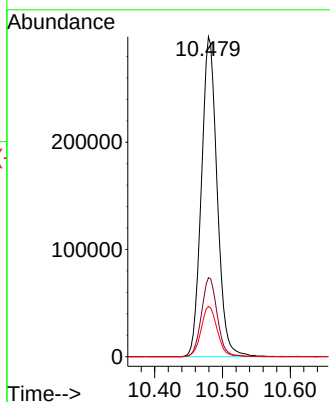
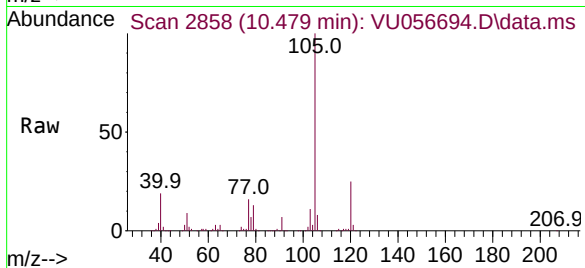
Tgt Ion:105 Resp: 481266

Ion Ratio Lower Upper

105 100

120 24.8 20.4 30.6

77 16.1 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.625 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

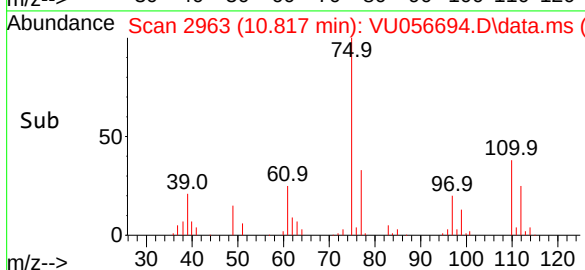
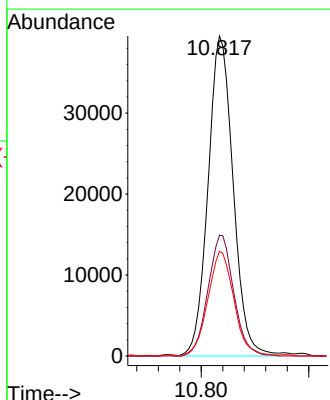
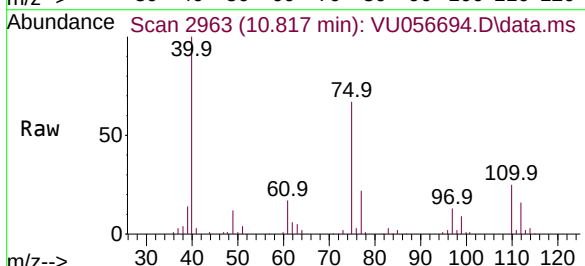
Tgt Ion: 75 Resp: 64138

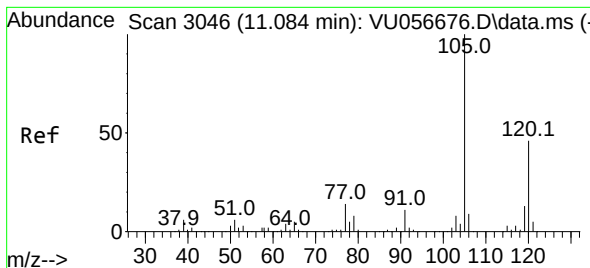
Ion Ratio Lower Upper

75 100

110 38.6 30.4 45.6

77 34.0 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 5.543 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

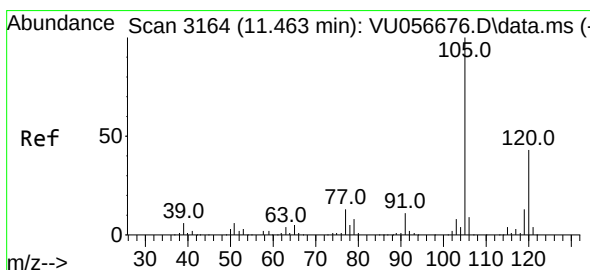
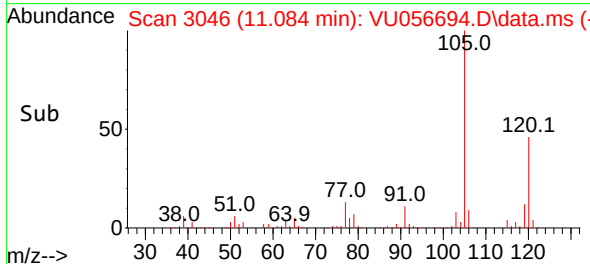
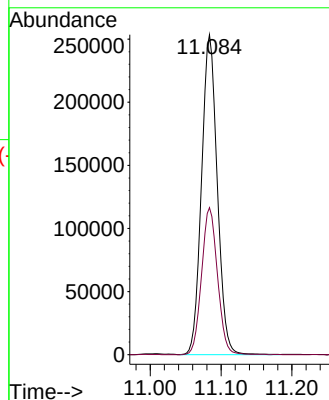
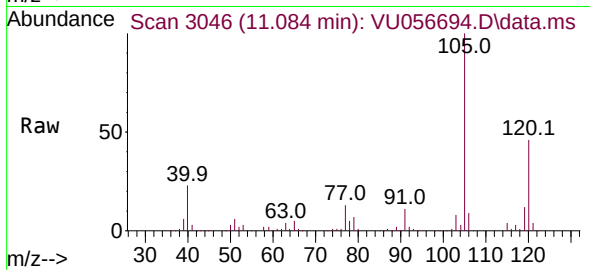
ClientSampleId :

Tgt Ion:105 Resp: 390109

Ion Ratio Lower Upper

105 100

120 46.4 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.666 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU056694.D

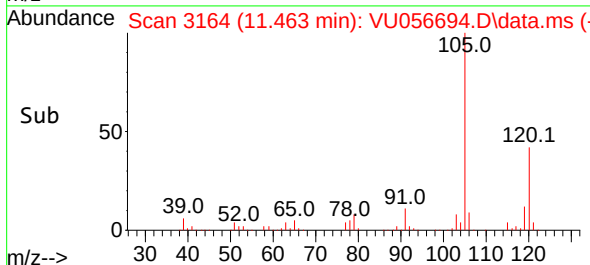
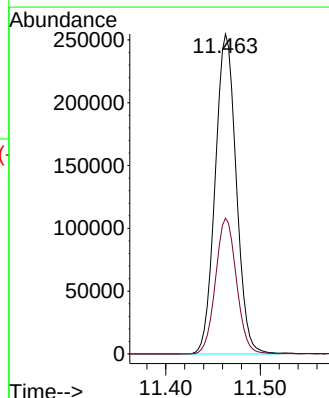
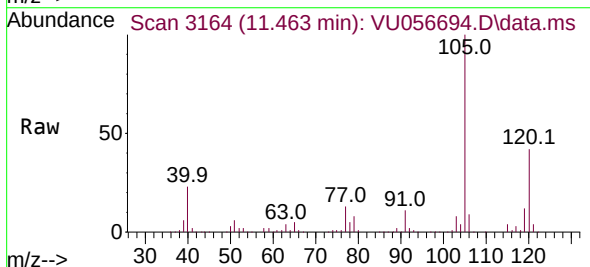
Acq: 08 Dec 2023 11:50

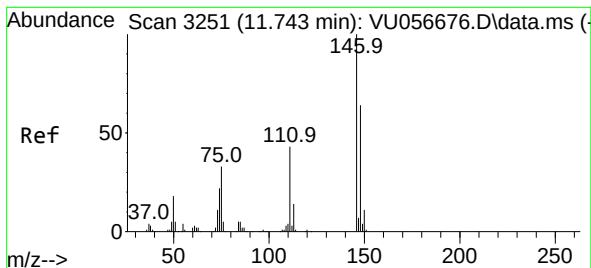
Tgt Ion:105 Resp: 393590

Ion Ratio Lower Upper

105 100

120 42.3 34.0 51.0





#64

1,3-Dichlorobenzene

Concen: 5.653 ug/L

RT: 11.743 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

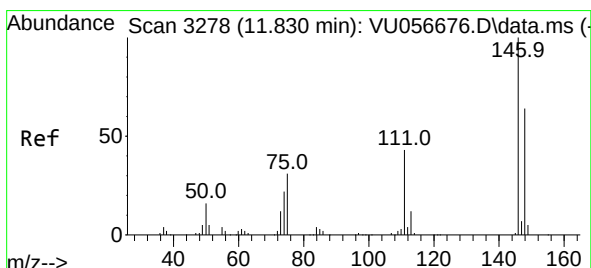
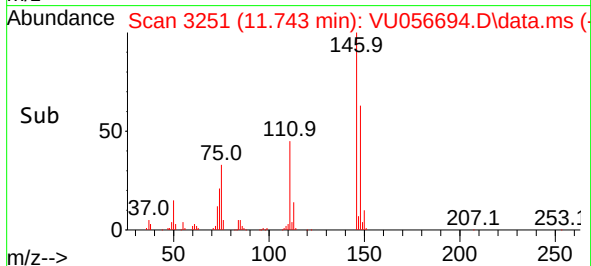
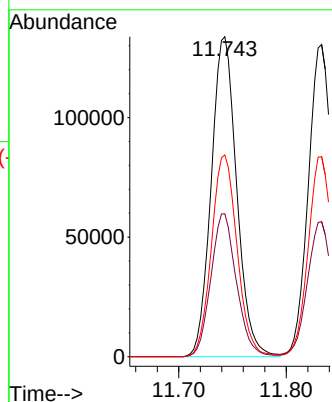
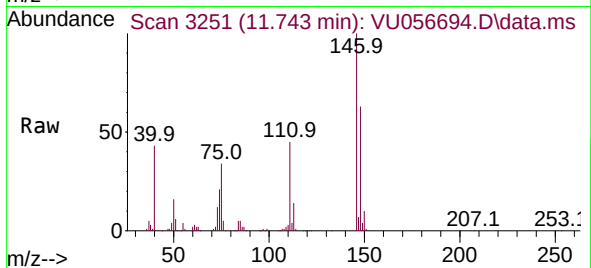
Tgt Ion:146 Resp: 220414

Ion Ratio Lower Upper

146 100

111 44.7 31.1 57.7

148 63.0 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 5.443 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

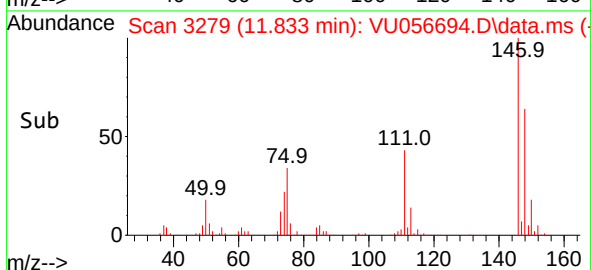
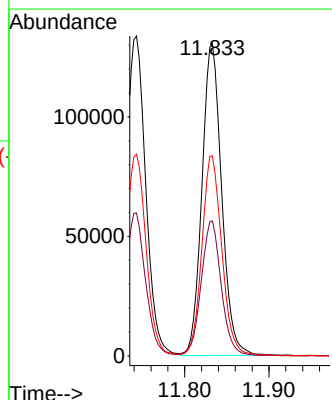
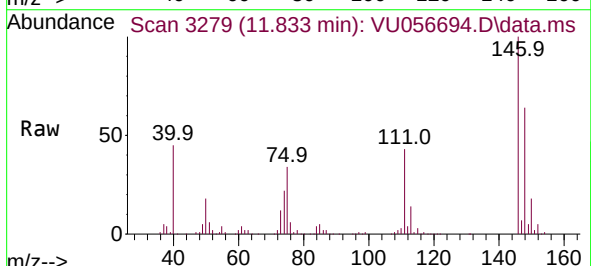
Tgt Ion:146 Resp: 212881

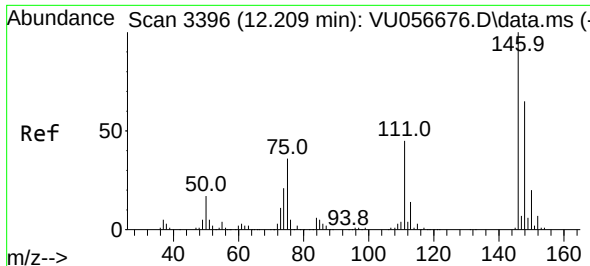
Ion Ratio Lower Upper

146 100

111 43.2 30.5 56.7

148 64.1 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.585 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

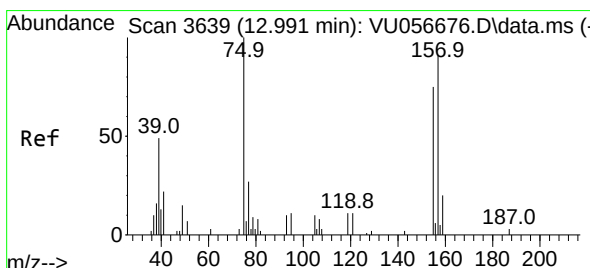
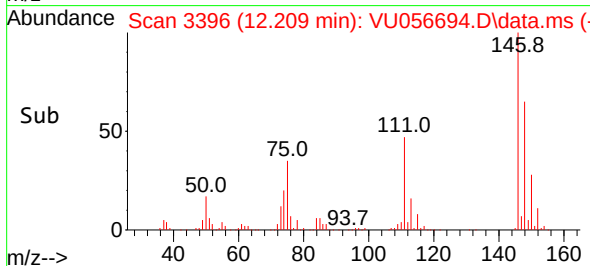
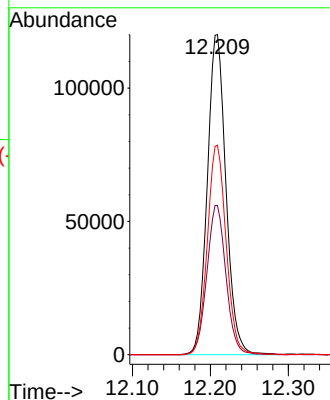
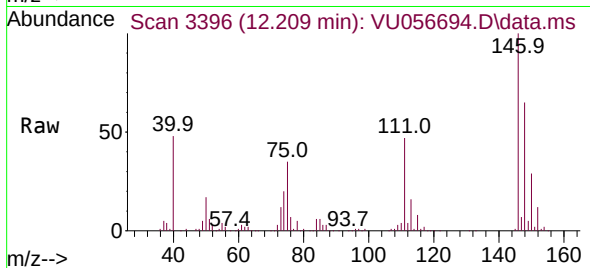
Tgt Ion:146 Resp: 199773

Ion Ratio Lower Upper

146 100

111 46.6 38.3 57.5

148 65.4 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.158 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

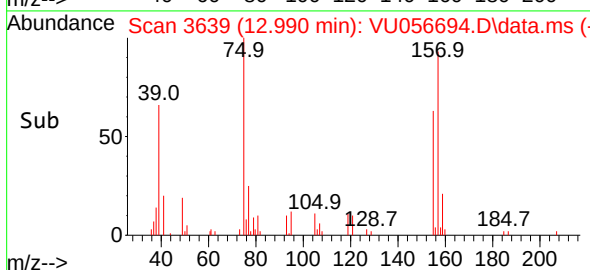
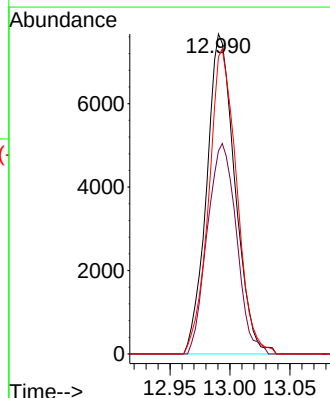
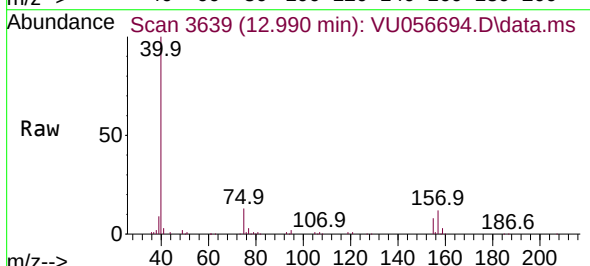
Tgt Ion: 75 Resp: 12563

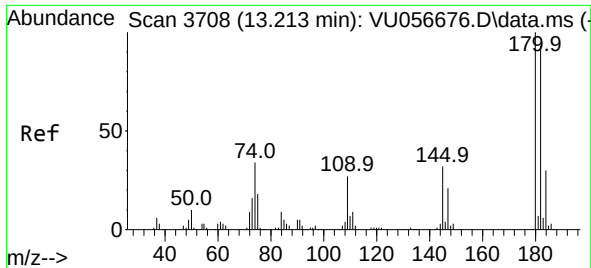
Ion Ratio Lower Upper

75 100

155 63.4 62.4 93.6

157 92.8 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 5.656 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 166024

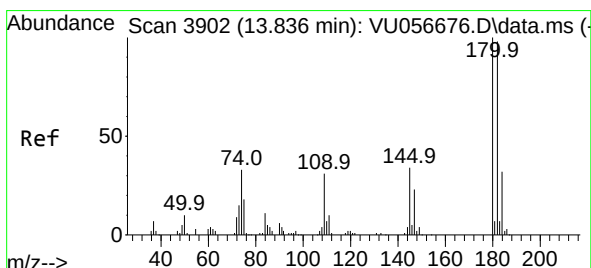
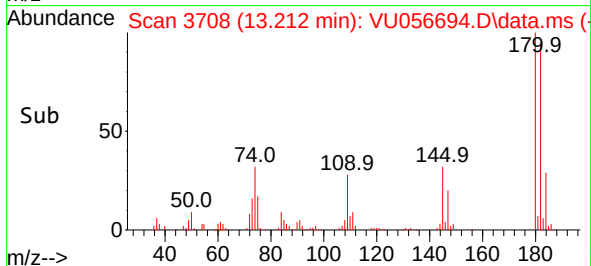
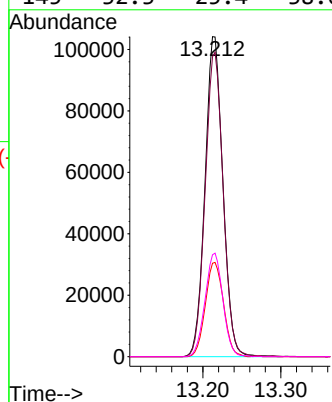
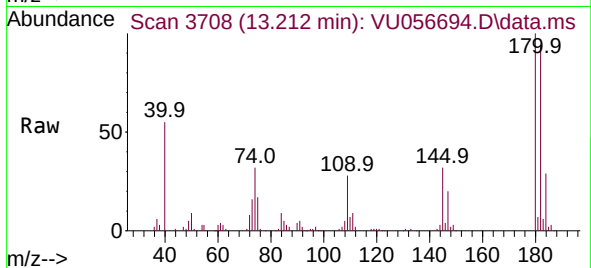
Ion Ratio Lower Upper

180 100

182 95.4 75.1 112.7

184 29.9 23.5 35.3

145 32.3 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.303 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU056694.D

Acq: 08 Dec 2023 11:50

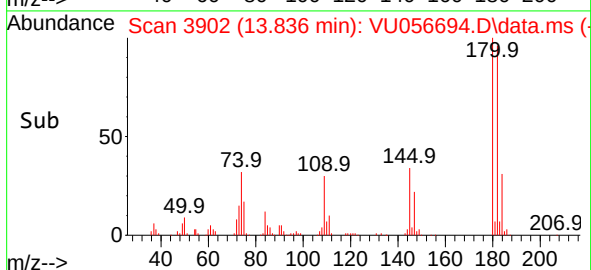
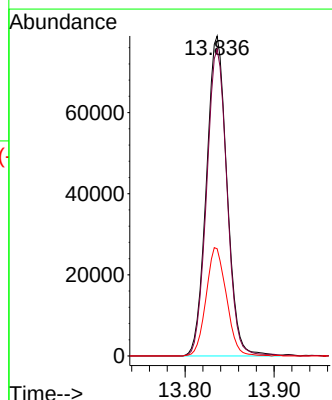
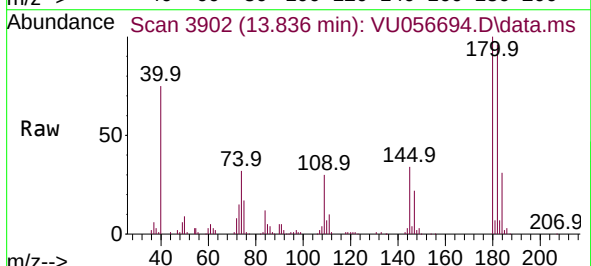
Tgt Ion:180 Resp: 126786

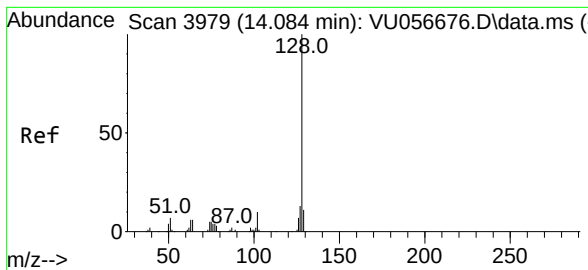
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

145 33.4 26.8 40.2

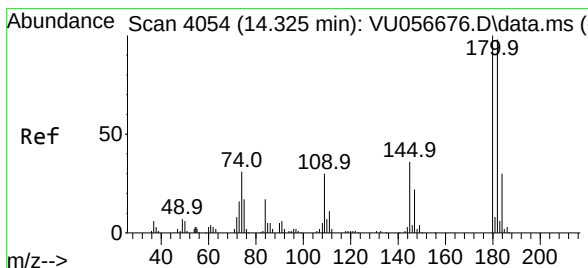
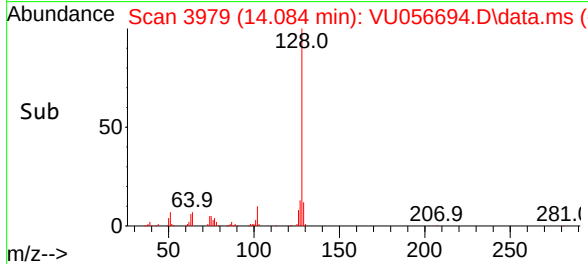
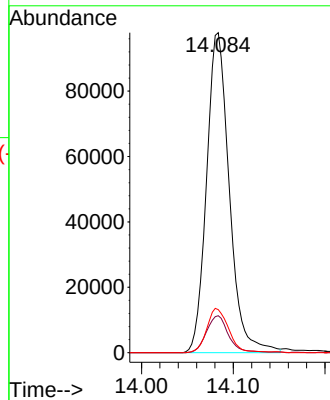
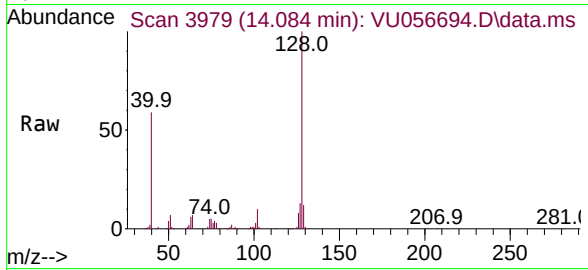




#71
Naphthalene
Concen: 4.677 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 168938
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 13.3 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.382 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU056694.D
Acq: 08 Dec 2023 11:50

Tgt Ion:180 Resp: 106003
Ion Ratio Lower Upper
180 100
182 92.3 78.6 117.8
145 34.5 29.0 43.6

