

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
 Data File : VU063142.D
 Acq On : 05 Feb 2025 00:44
 Operator : MD/SY
 Sample : Q1227-04MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E2975MS

Quant Time: Feb 05 08:07:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 05 07:57:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	89861	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	86328	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	40981	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	23048	4.484	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.600%
7) Chloroethane-d5	1.901	69	23232	4.870	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.554	65	10359	4.514	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	4.605	46	85906	50.768	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.540%
24) Chloroform-d	5.046	84	55193	4.857	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.689	65	28537	4.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.714	84	105441	4.683	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.679	67	35245	4.748	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.885	98	94395	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	8.171	79	12509	4.497	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.618	63	69167	49.405	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.800%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	31838	4.859	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	33335	4.871	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	39233	5.039	ug/L	100
3) Chloromethane	1.515	50	39753	4.661	ug/L	100
5) Vinyl chloride	1.599	62	42445	4.916	ug/L	96
6) Bromomethane	1.840	94	12671	2.919	ug/L	96
8) Chloroethane	1.920	64	26603	5.116	ug/L	99
9) Trichlorofluoromethane	2.126	101	50404	5.198	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	30917	5.187	ug/L	99
12) 1,1-Dichloroethene	2.567	96	29411	5.035	ug/L	97
13) Acetone	2.612	43	54554	51.197	ug/L	99
14) Carbon disulfide	2.779	76	104101	5.076	ug/L	99
15) Methyl Acetate	2.940	43	11958	4.109	ug/L	99
16) Methylene chloride	3.030	84	34622	4.955	ug/L	98
17) Methyl tert-butyl Ether	3.348	73	78810	4.896	ug/L	99
18) trans-1,2-Dichloroethene	3.338	96	32140	5.146	ug/L	97
19) 1,1-Dichloroethane	3.853	63	63356	5.046	ug/L	98
21) 2-Butanone	4.686	43	91445	51.687	ug/L	97
22) cis-1,2-Dichloroethene	4.650	96	35665	5.119	ug/L	99
23) Bromochloromethane	4.959	128	15751	5.040	ug/L	99
25) Chloroform	5.071	83	63027	5.100	ug/L	99

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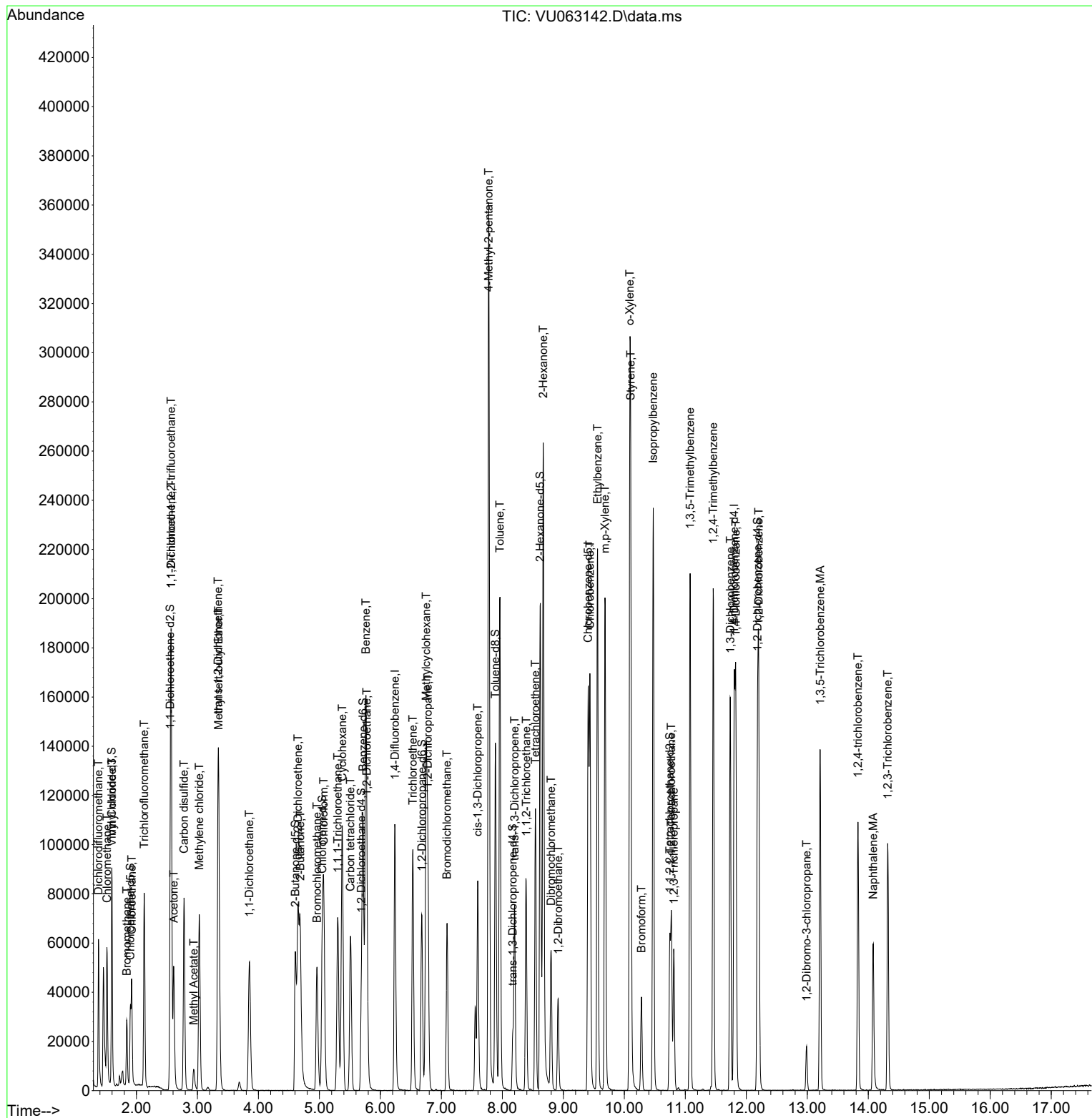
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	41331	5.076	ug/L	99
29) 1,1,1-Trichloroethane	5.300	97	51864	5.076	ug/L	98
30) Cyclohexane	5.374	56	54132	5.005	ug/L	99
31) Carbon tetrachloride	5.509	117	43066	4.995	ug/L	99
33) Benzene	5.759	78	142327	5.010	ug/L	100
34) Trichloroethene	6.531	95	35690	4.947	ug/L	98
35) Methylcyclohexane	6.750	83	52800	4.884	ug/L	99
37) 1,2-Dichloropropane	6.779	63	38258	5.049	ug/L	100
38) Bromodichloromethane	7.091	83	44841	4.929	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	51640	4.779	ug/L	98
40) 4-Methyl-2-pentanone	7.775	43	228133	51.011	ug/L	100
42) Toluene	7.959	91	149803	5.045	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	43032	4.757	ug/L	99
45) 1,1,2-Trichloroethane	8.390	97	27202	4.861	ug/L	98
47) Tetrachloroethene	8.541	164	25034	4.940	ug/L	98
48) 2-Hexanone	8.669	43	161857	51.300	ug/L	98
49) Dibromochloromethane	8.798	129	29270	4.969	ug/L	99
50) 1,2-Dibromoethane	8.914	107	25863	5.039	ug/L	99
51) Chlorobenzene	9.435	112	88928	4.961	ug/L	97
52) Ethylbenzene	9.560	91	153951	4.957	ug/L	100
53) m,p-Xylene	9.682	106	57276	5.112	ug/L	98
54) o-Xylene	10.090	106	55913	5.033	ug/L	99
55) Styrene	10.103	104	92145	5.039	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.769	83	36180	5.037	ug/L	98
59) Bromoform	10.280	173	17481	4.948	ug/L	99
60) Isopropylbenzene	10.473	105	148708	5.110	ug/L	100
61) 1,2,3-Trichloropropane	10.811	75	24294	4.912	ug/L	99
62) 1,3,5-Trimethylbenzene	11.078	105	114185	4.974	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	113051	5.121	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	65413	4.961	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	64413	4.859	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	62578	5.079	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	5173	5.228	ug/L	94
69) 1,3,5-Trichlorobenzene	13.209	180	44587	4.949	ug/L	98
70) 1,2,4-trichlorobenzene	13.830	180	33927	4.787	ug/L	99
71) Naphthalene	14.081	128	53408	4.591	ug/L	100
72) 1,2,3-Trichlorobenzene	14.319	180	31551	4.982	ug/L	99

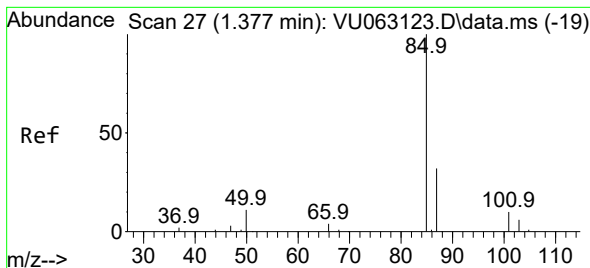
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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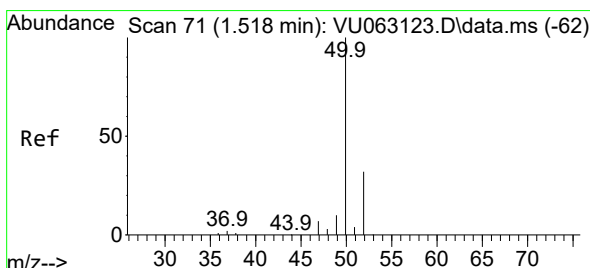
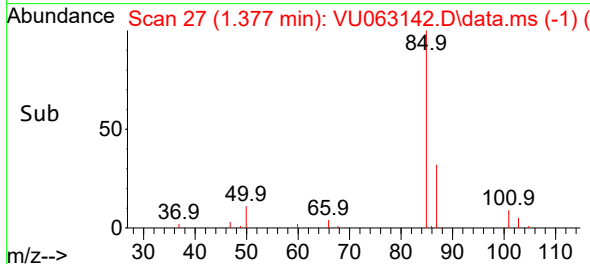
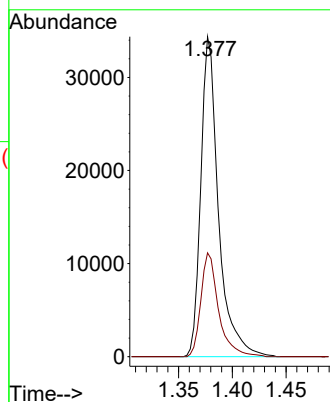
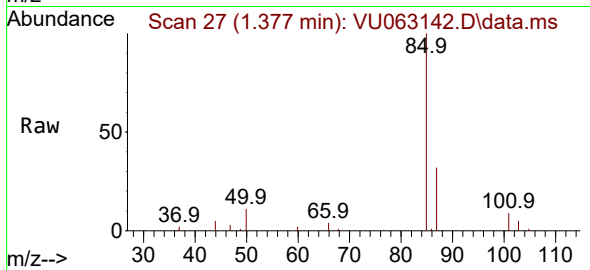




#2
 Dichlorodifluoromethane
 Concen: 5.039 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063142.D
 Acq: 05 Feb 2025 00:44

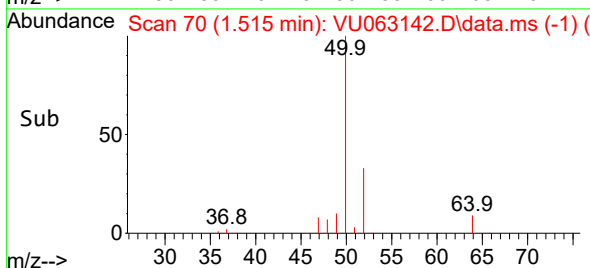
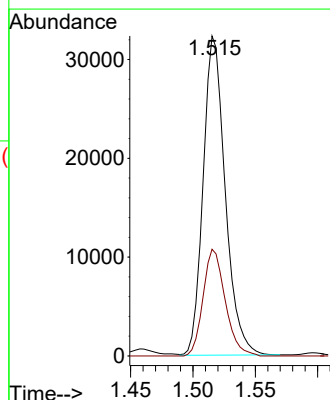
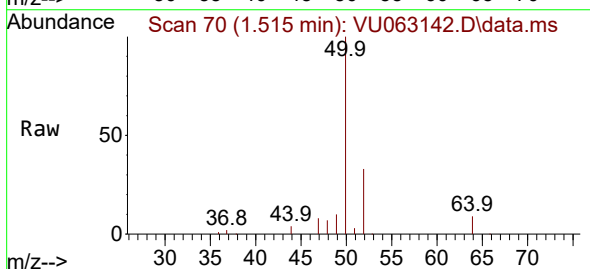
Instrument :
 MSVOA_U
 ClientSampleId :
 E2975MS

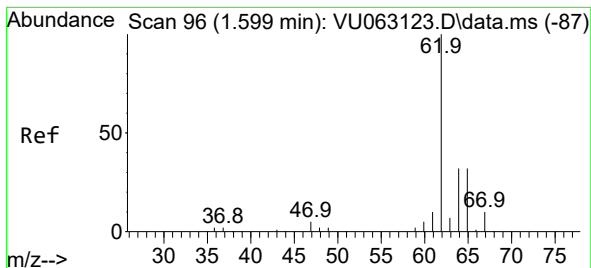
Tgt Ion: 85 Resp: 39233
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.9 38.9



#3
 Chloromethane
 Concen: 4.661 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU063142.D
 Acq: 05 Feb 2025 00:44

Tgt Ion: 50 Resp: 39753
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.4 43.6





#5

Vinyl chloride

Concen: 4.916 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

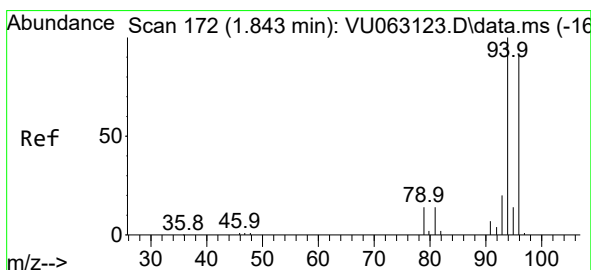
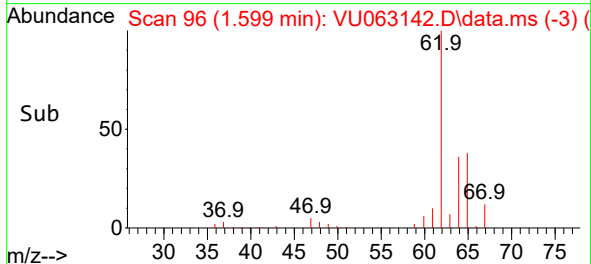
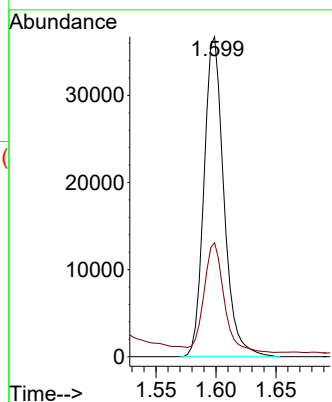
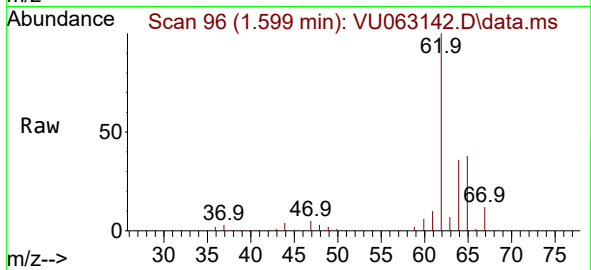
E2975MS

Tgt Ion: 62 Resp: 42445

Ion Ratio Lower Upper

62 100

64 35.6 23.2 43.0



#6

Bromomethane

Concen: 2.919 ug/L

RT: 1.840 min Scan# 171

Delta R.T. -0.003 min

Lab File: VU063142.D

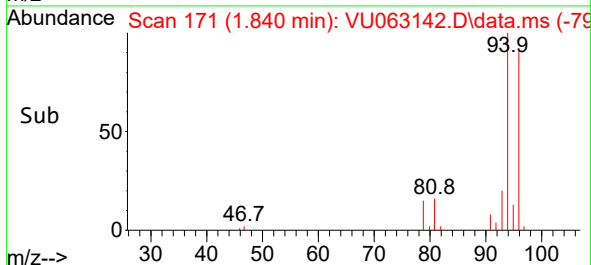
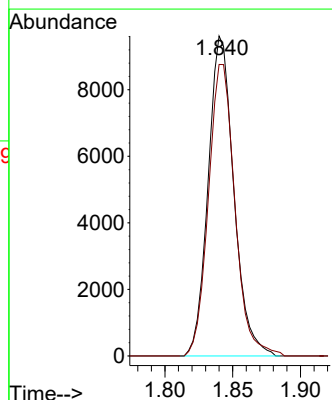
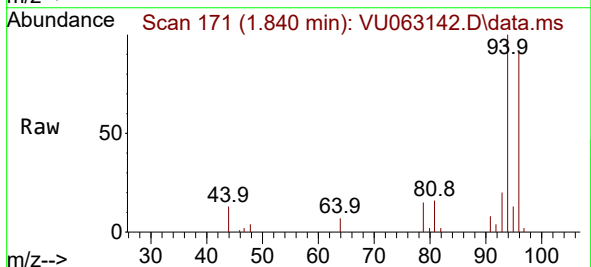
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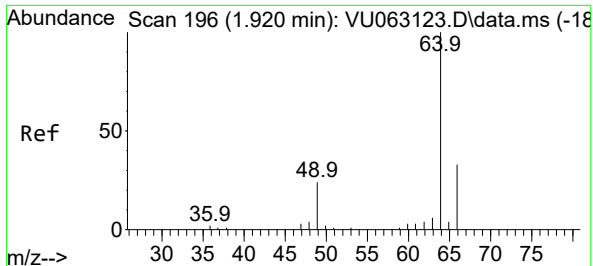
Tgt Ion: 94 Resp: 12671

Ion Ratio Lower Upper

94 100

96 91.1 66.3 123.1

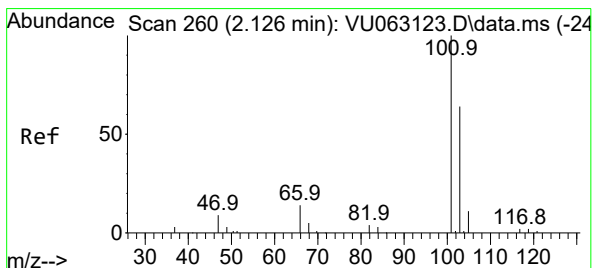
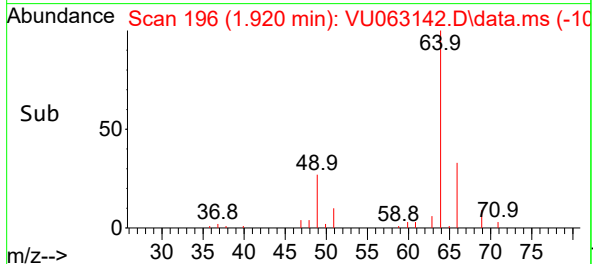
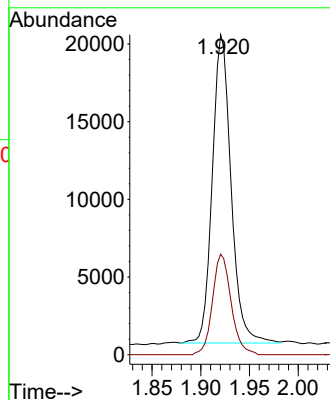
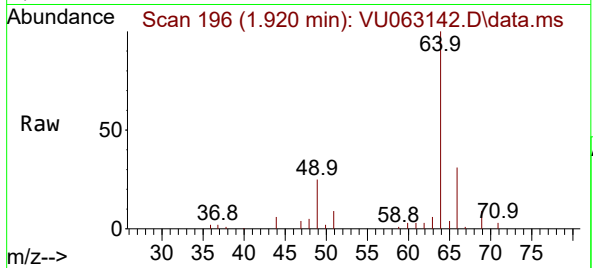




#8
Chloroethane
Concen: 5.116 ug/L
RT: 1.920 min Scan# 196
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

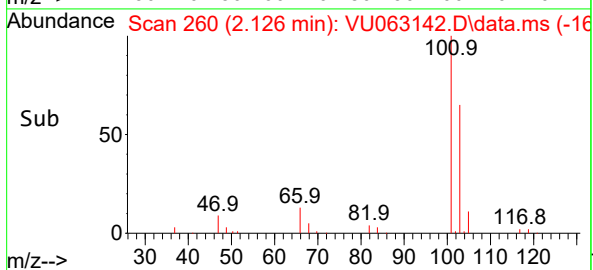
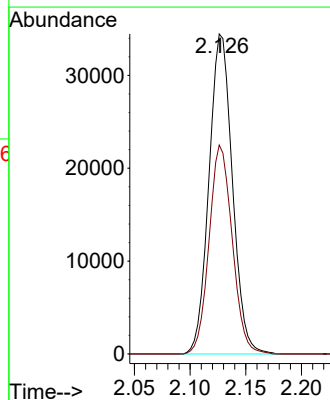
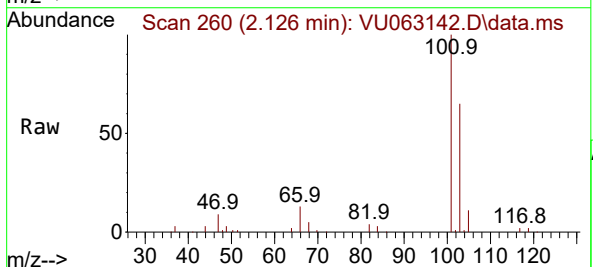
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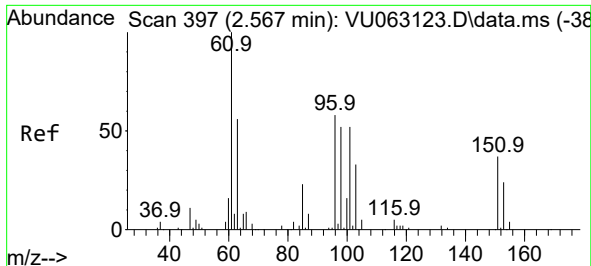
Tgt Ion: 64 Resp: 26603
Ion Ratio Lower Upper
64 100
66 31.4 21.7 40.3



#9
Trichlorofluoromethane
Concen: 5.198 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion: 101 Resp: 50404
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8

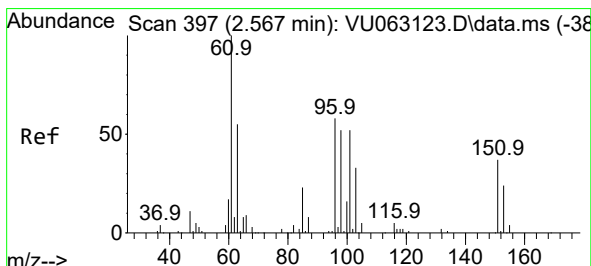
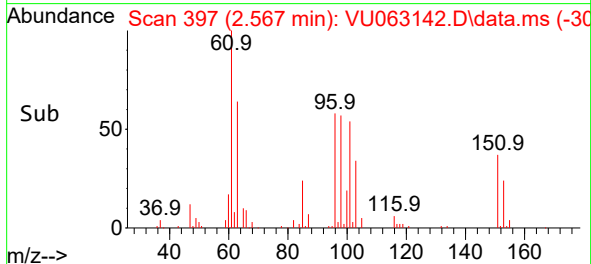
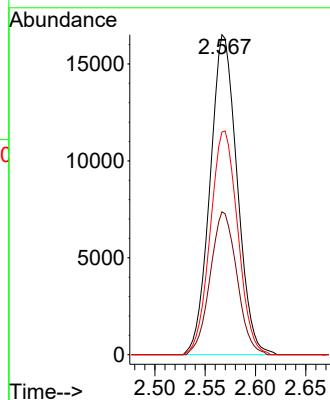
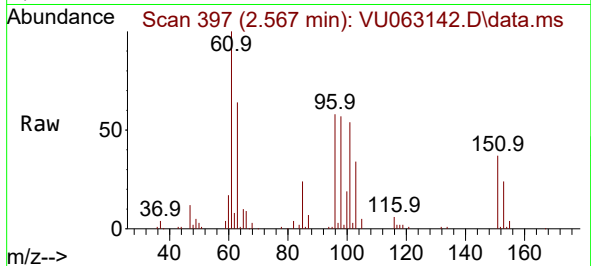




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.187 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063142.D
 Acq: 05 Feb 2025 00:44

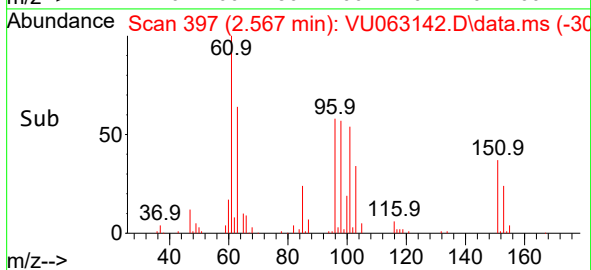
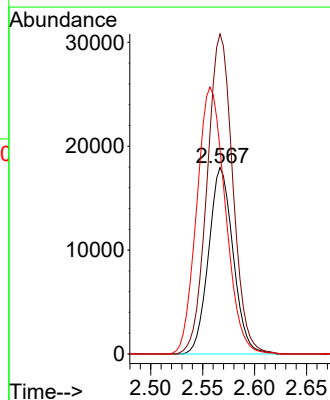
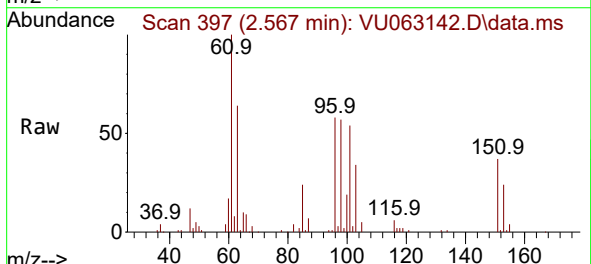
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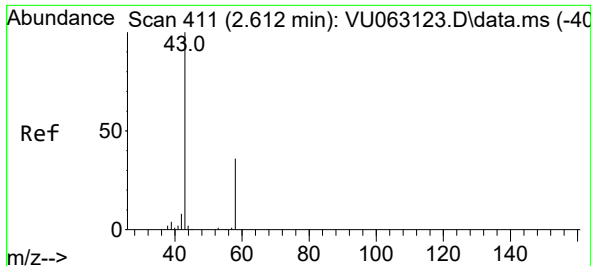
Tgt Ion:101 Resp: 30917
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.0 52.4
 151 71.1 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 5.035 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063142.D
 Acq: 05 Feb 2025 00:44

Tgt Ion: 96 Resp: 29411
 Ion Ratio Lower Upper
 96 100
 61 171.7 121.9 226.3
 63 109.9 80.3 149.1





#13

Acetone

Concen: 51.197 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

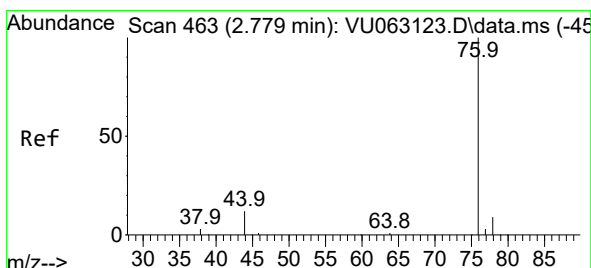
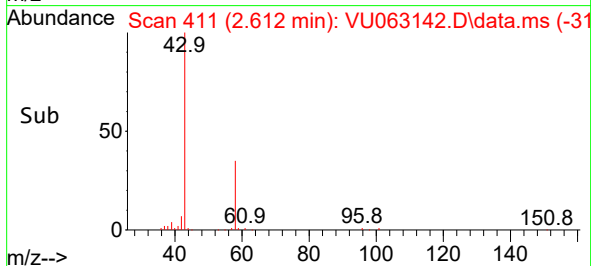
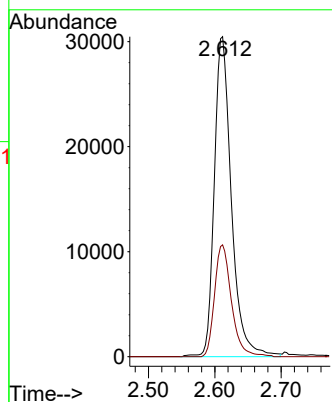
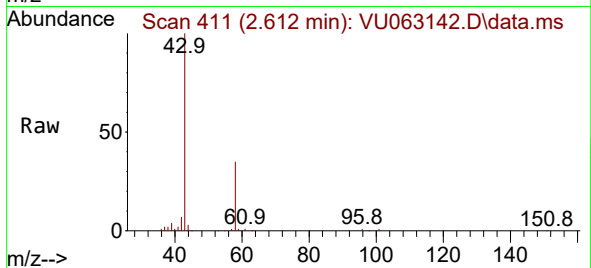
E2975MS

Tgt Ion: 43 Resp: 54554

Ion Ratio Lower Upper

43 100

58 34.6 0.0 70.2



#14

Carbon disulfide

Concen: 5.076 ug/L

RT: 2.779 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU063142.D

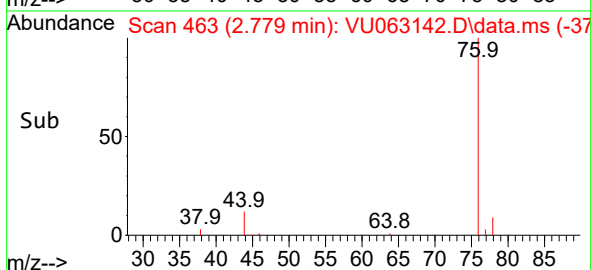
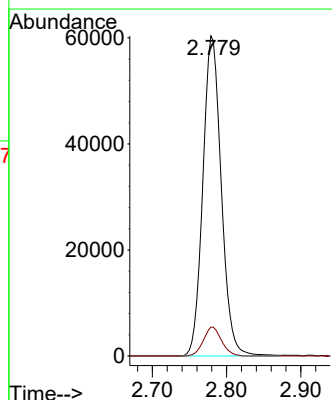
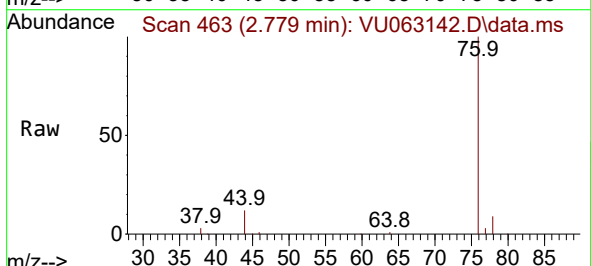
Acq: 05 Feb 2025 00:44

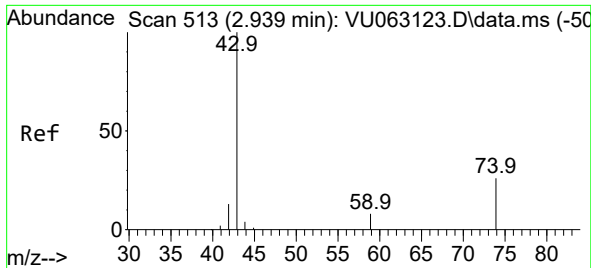
Tgt Ion: 76 Resp: 104101

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

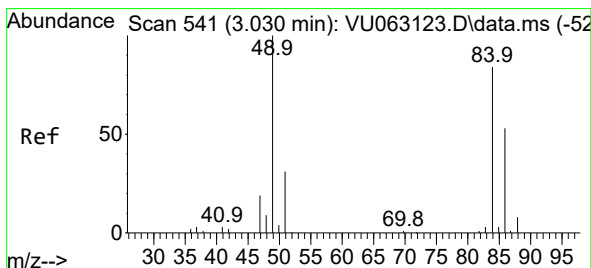
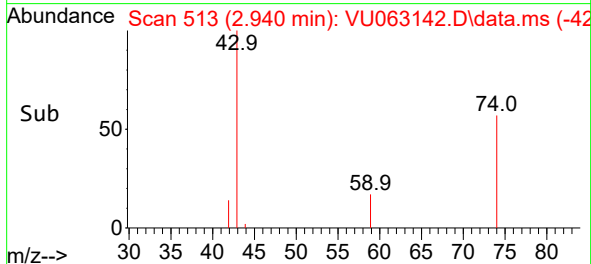
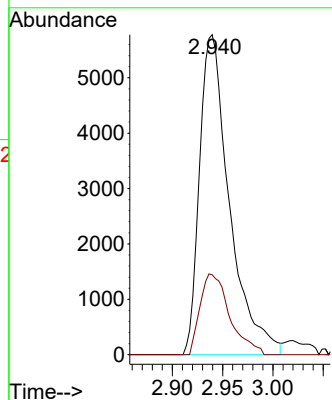
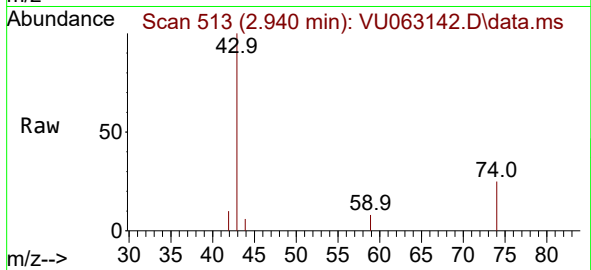




#15
Methyl Acetate
Concen: 4.109 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

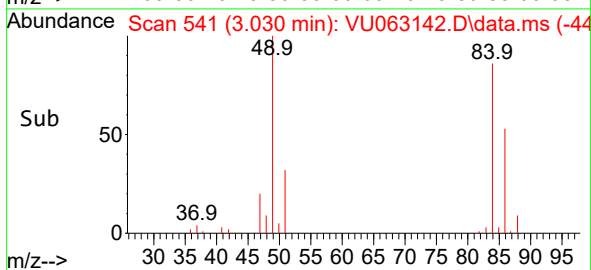
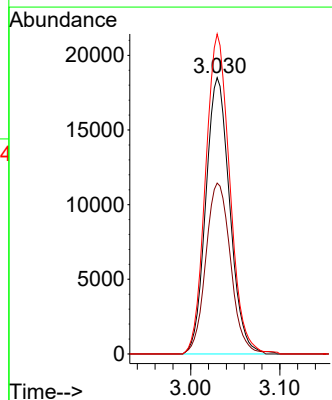
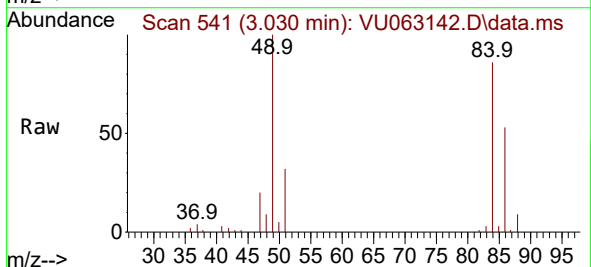
Instrument :
MSVOA_U
ClientSampleId :
E2975MS

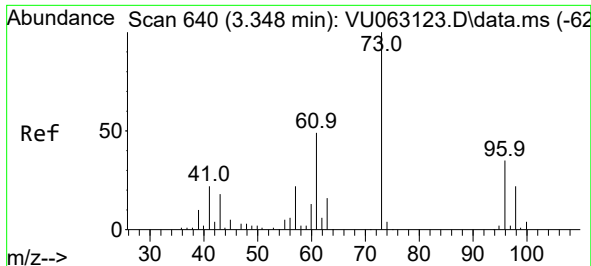
Tgt Ion: 43 Resp: 11958
Ion Ratio Lower Upper
43 100
74 25.0 19.5 29.3



#16
Methylene chloride
Concen: 4.955 ug/L
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion: 84 Resp: 34622
Ion Ratio Lower Upper
84 100
86 61.9 45.0 83.6
49 115.8 82.4 153.0

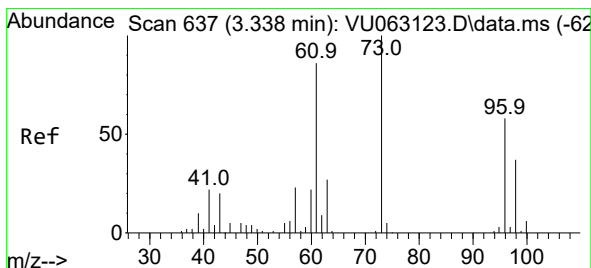
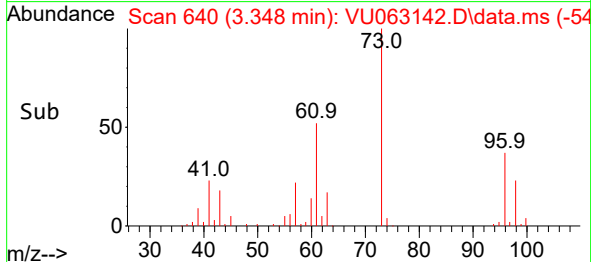
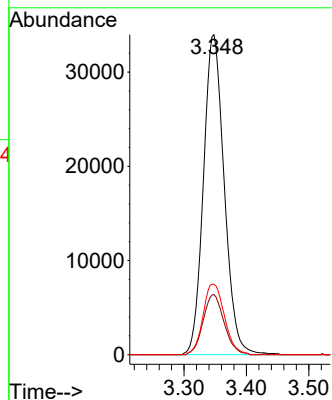
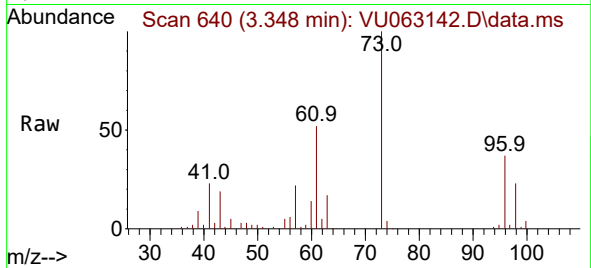




#17
Methyl tert-butyl Ether
Concen: 4.896 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

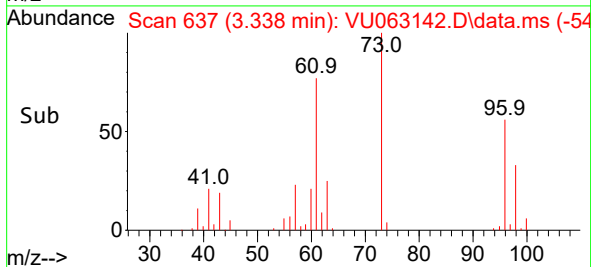
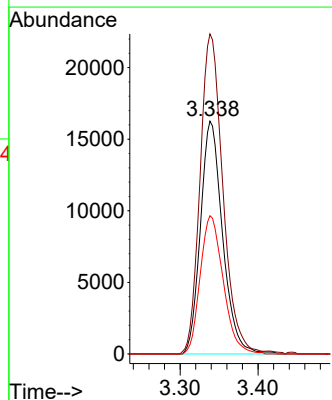
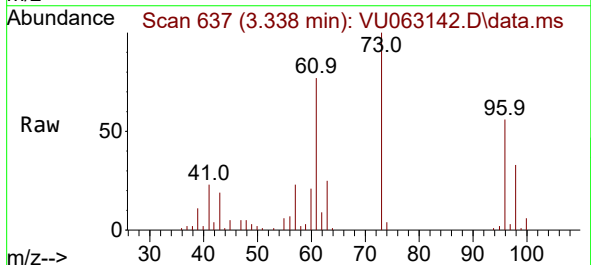
Instrument :
MSVOA_U
ClientSampleId :
E2975MS

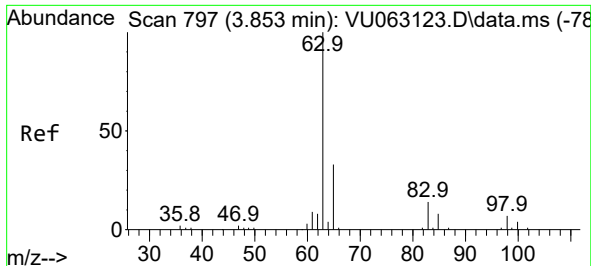
Tgt Ion: 73 Resp: 78810
Ion Ratio Lower Upper
73 100
43 19.0 15.1 22.7
57 22.7 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 5.146 ug/L
RT: 3.338 min Scan# 637
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion: 96 Resp: 32140
Ion Ratio Lower Upper
96 100
61 137.4 99.2 184.2
98 59.3 43.2 80.2

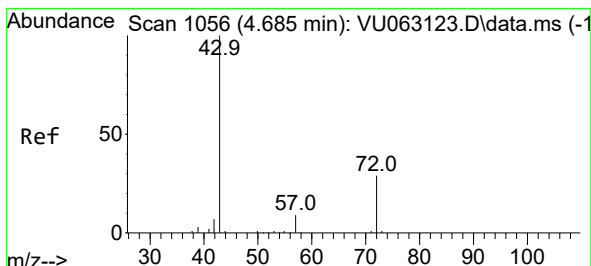
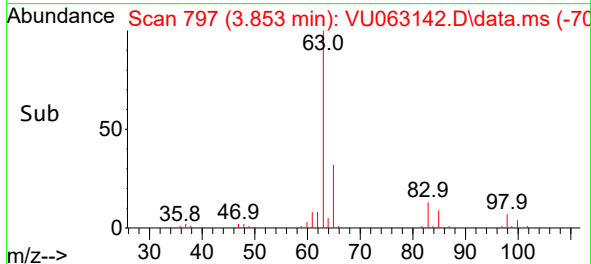
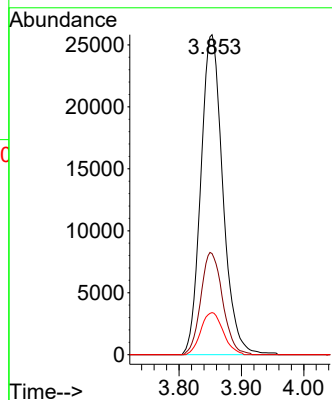
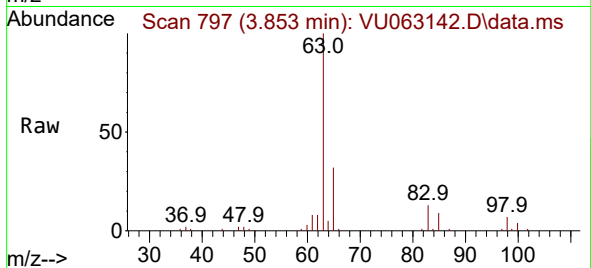




#19
1,1-Dichloroethane
Concen: 5.046 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

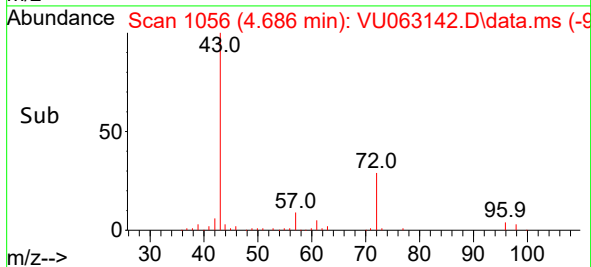
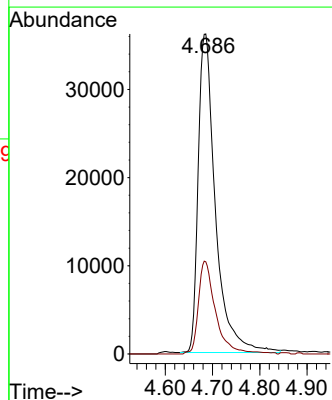
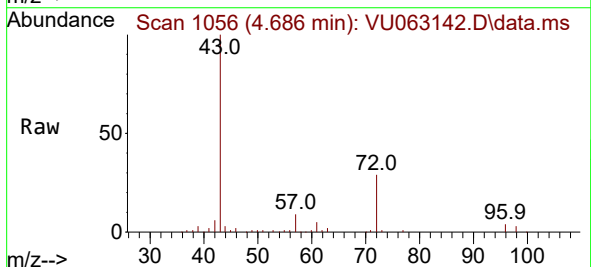
Instrument :
MSVOA_U
ClientSampleId :
E2975MS

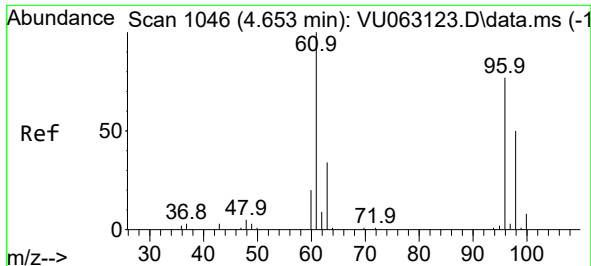
Tgt Ion: 63 Resp: 63356
Ion Ratio Lower Upper
63 100
65 31.6 23.2 43.0
83 13.1 8.7 16.1



#21
2-Butanone
Concen: 51.687 ug/L
RT: 4.686 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion: 43 Resp: 91445
Ion Ratio Lower Upper
43 100
72 29.2 13.9 41.7





#22

cis-1,2-Dichloroethene

Concen: 5.119 ug/L

RT: 4.650 min Scan# 1046

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

E2975MS

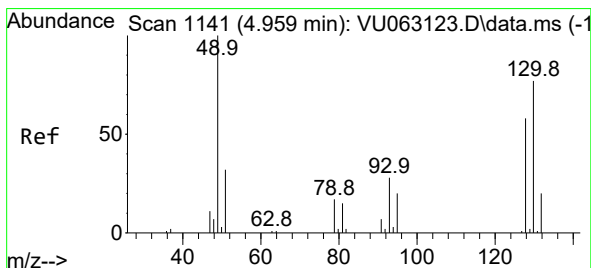
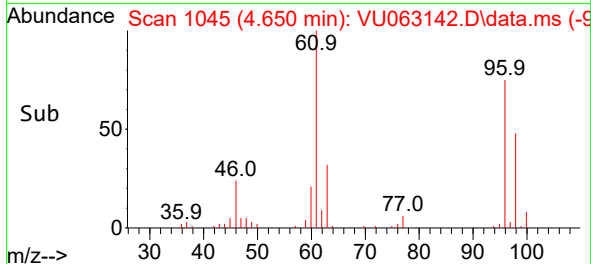
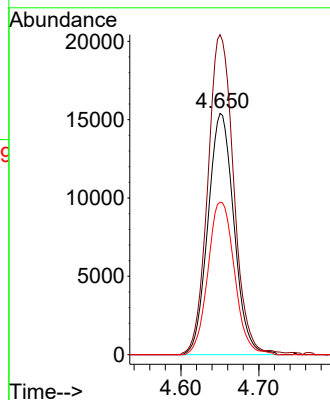
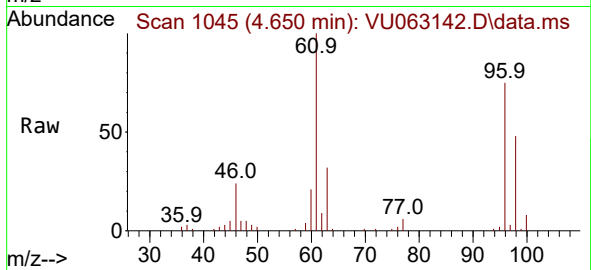
Tgt Ion: 96 Resp: 35665

Ion Ratio Lower Upper

96 100

61 132.6 91.8 170.6

98 63.2 44.4 82.4



#23

Bromochloromethane

Concen: 5.040 ug/L

RT: 4.959 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Tgt Ion: 128 Resp: 15751

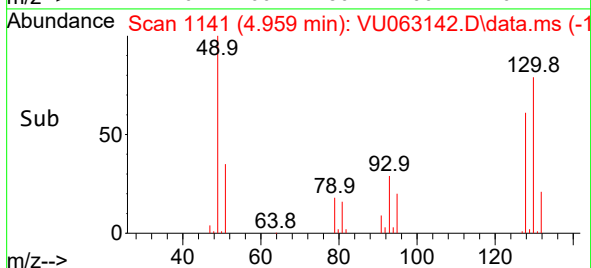
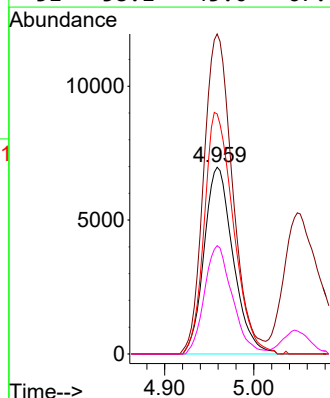
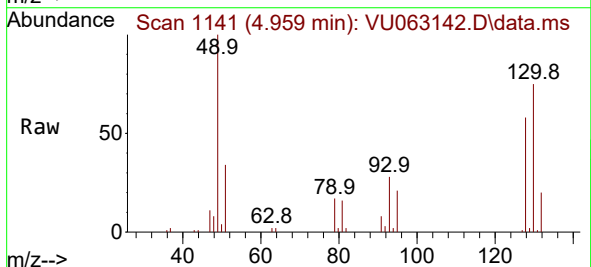
Ion Ratio Lower Upper

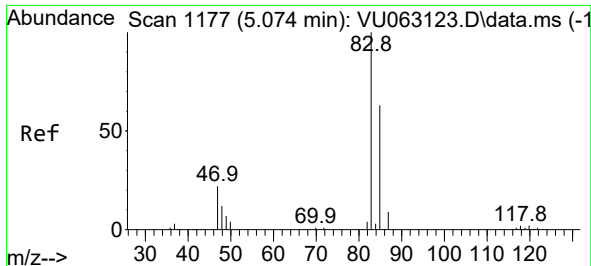
128 100

49 171.4 121.2 225.2

130 128.6 89.2 165.6

51 58.1 45.0 67.4

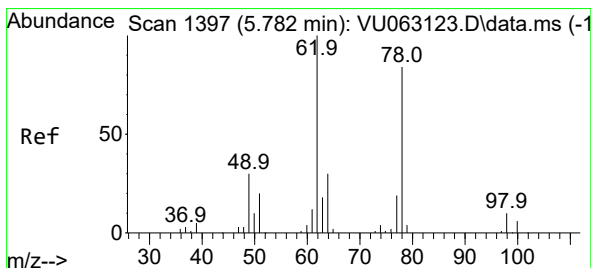
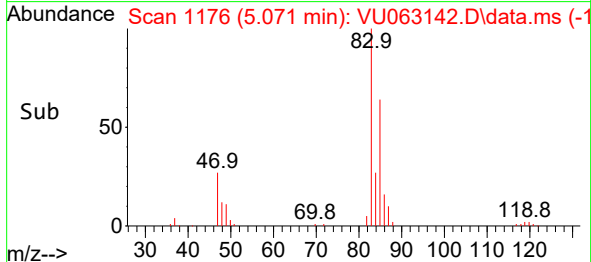
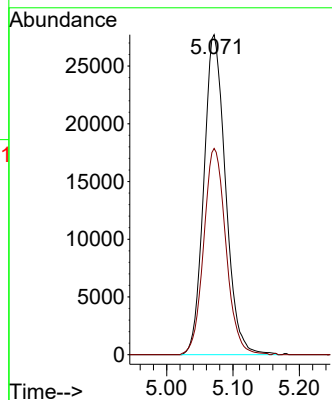
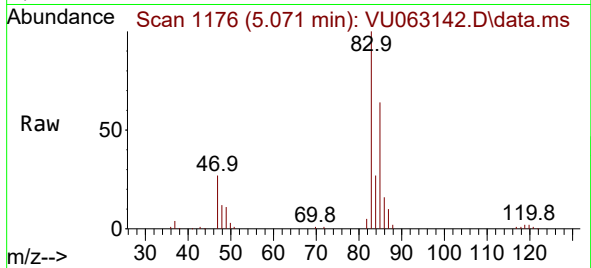




#25
Chloroform
Concen: 5.100 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

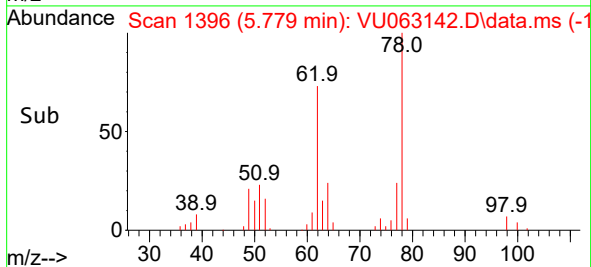
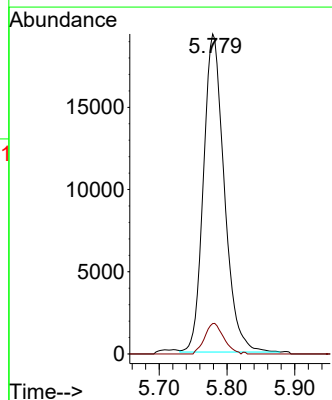
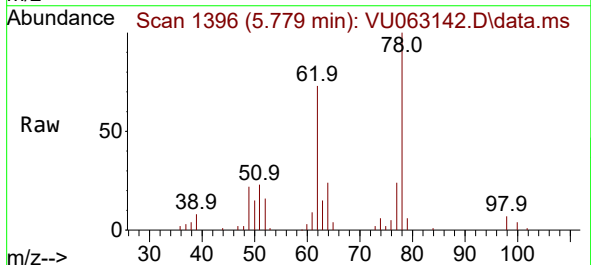
Instrument :
MSVOA_U
ClientSampleId :
E2975MS

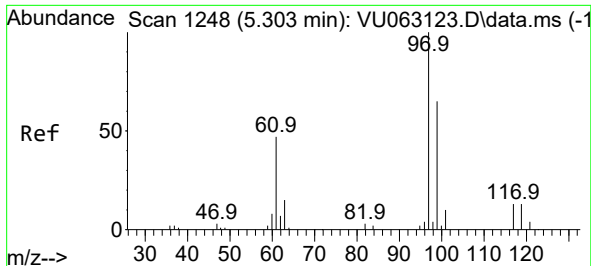
Tgt Ion: 83 Resp: 63027
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.076 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion: 62 Resp: 41331
Ion Ratio Lower Upper
62 100
98 9.5 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 5.076 ug/L

RT: 5.300 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

E2975MS

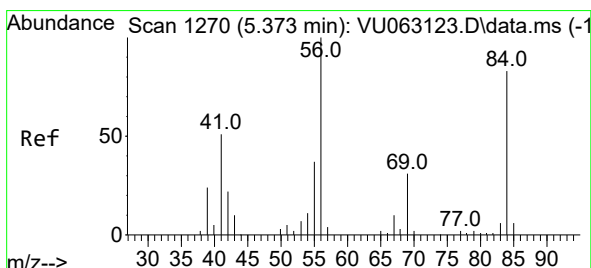
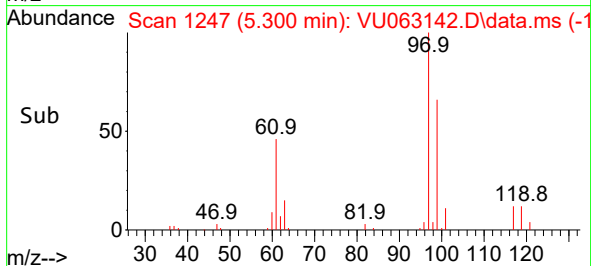
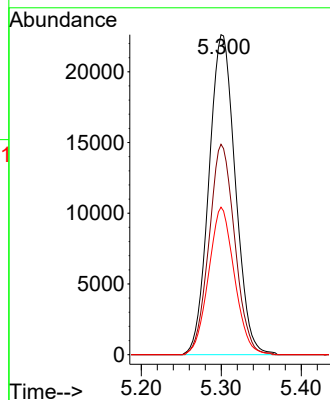
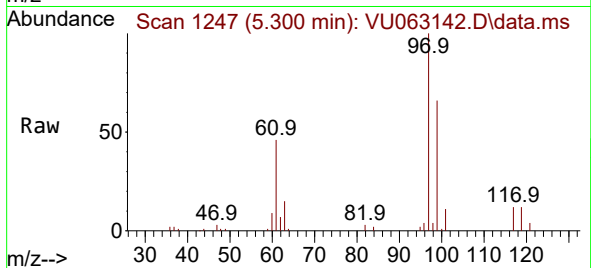
Tgt Ion: 97 Resp: 51864

Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 45.2 38.5 57.7



#30

Cyclohexane

Concen: 5.005 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

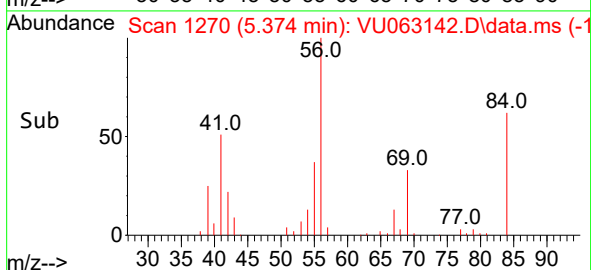
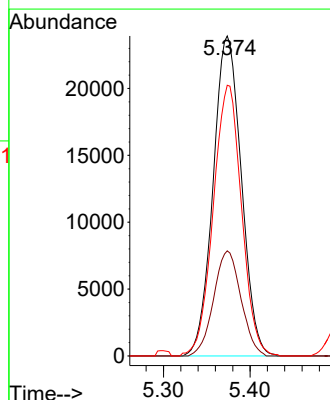
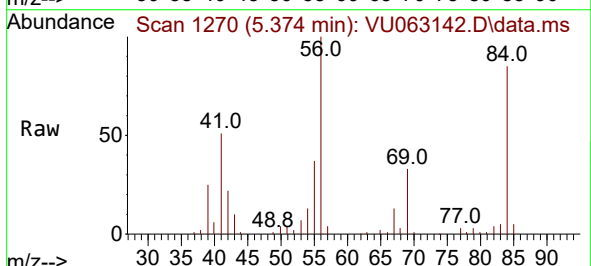
Tgt Ion: 56 Resp: 54132

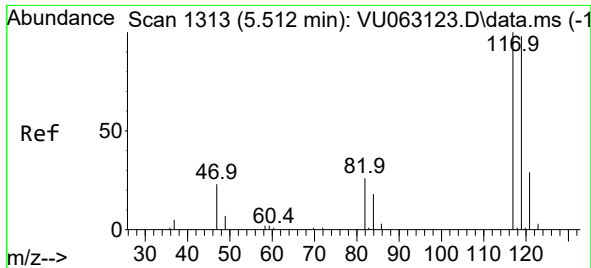
Ion Ratio Lower Upper

56 100

69 31.8 24.6 37.0

84 84.8 67.9 101.9

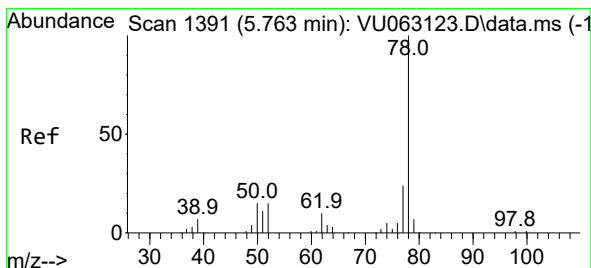
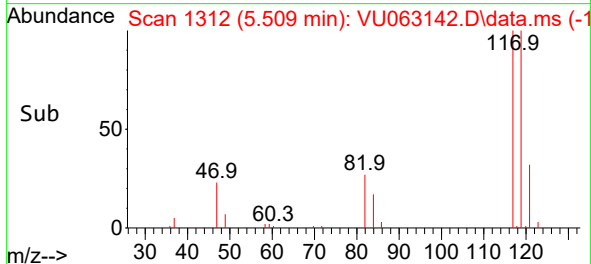
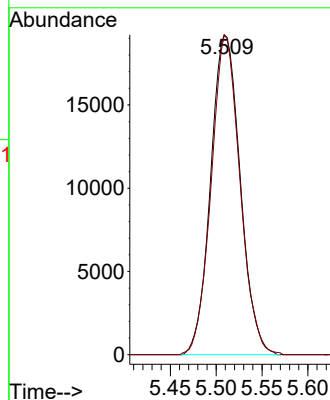
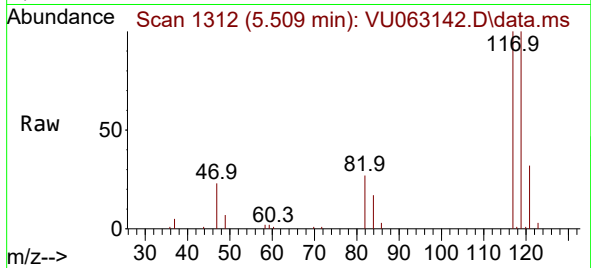




#31
Carbon tetrachloride
Concen: 4.995 ug/L
RT: 5.509 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

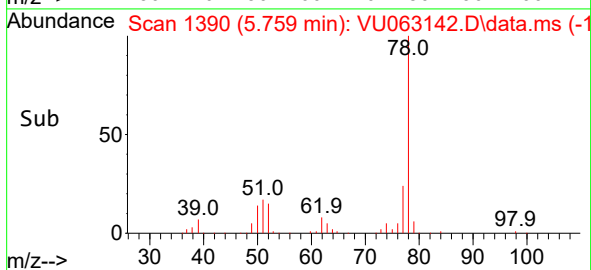
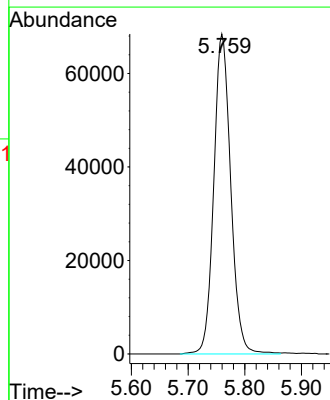
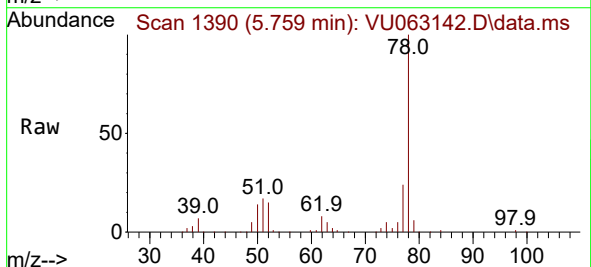
Instrument :
MSVOA_U
ClientSampleId :
E2975MS

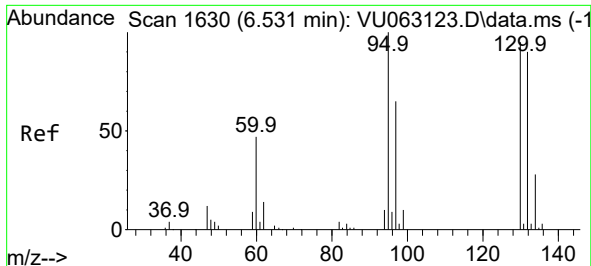
Tgt Ion:117 Resp: 43066
Ion Ratio Lower Upper
117 100
119 97.0 77.0 115.4



#33
Benzene
Concen: 5.010 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion: 78 Resp: 142327

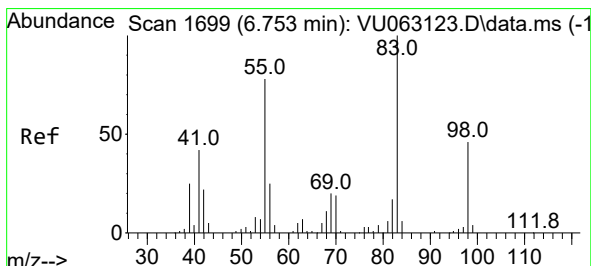
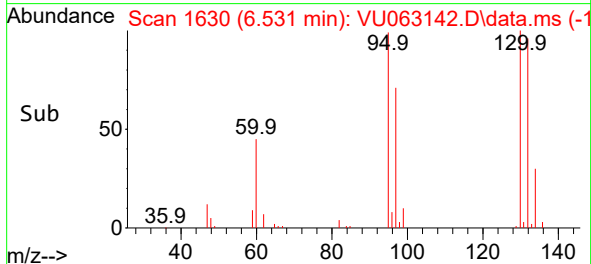
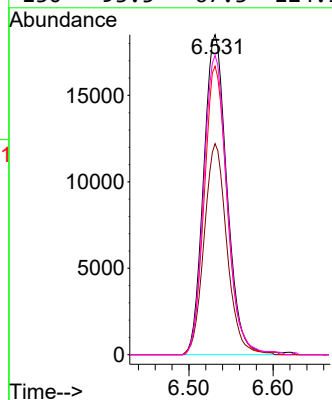
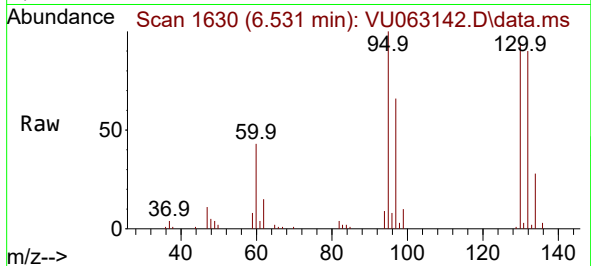




#34
Trichloroethene
Concen: 4.947 ug/L
RT: 6.531 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

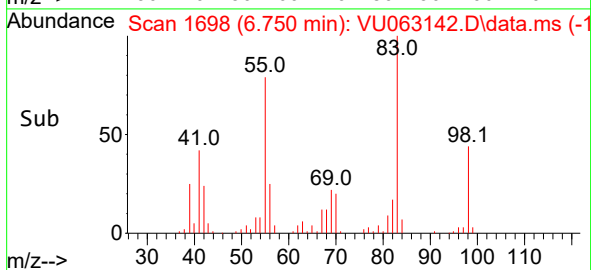
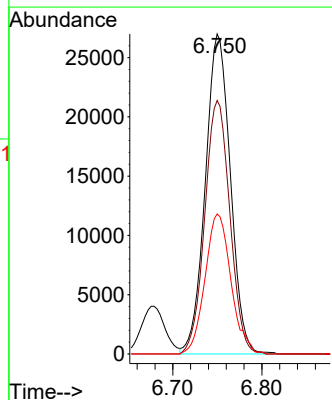
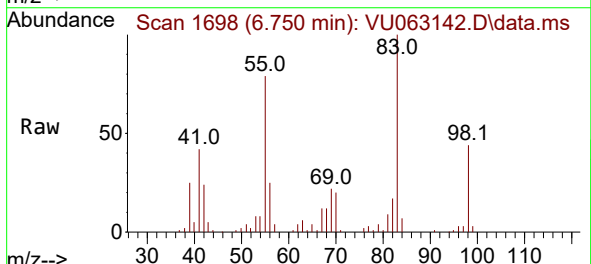
Instrument :
MSVOA_U
ClientSampleId :
E2975MS

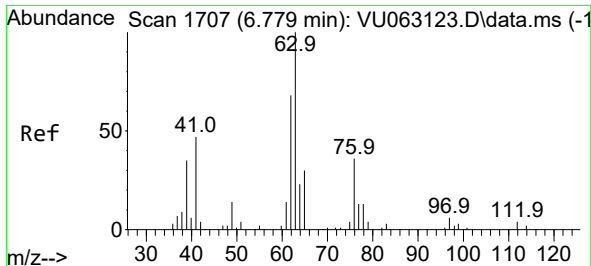
Tgt Ion: 95 Resp: 35690
Ion Ratio Lower Upper
95 100
97 65.9 46.7 86.7
132 90.1 62.4 115.8
130 93.5 67.3 124.9



#35
Methylcyclohexane
Concen: 4.884 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion: 83 Resp: 52800
Ion Ratio Lower Upper
83 100
55 79.2 62.8 94.2
98 45.2 36.0 54.0

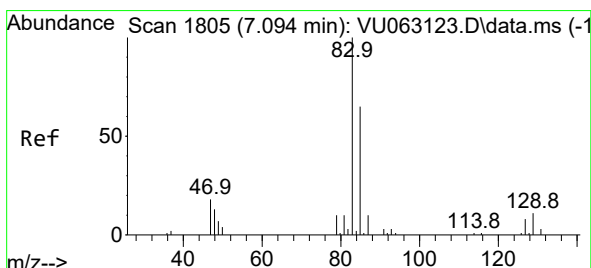
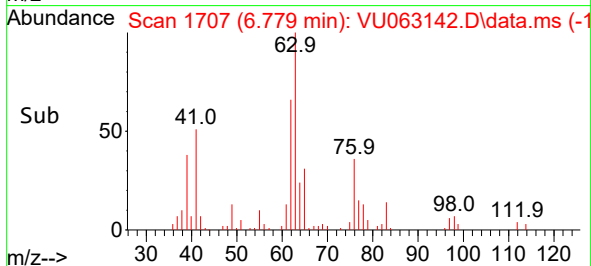
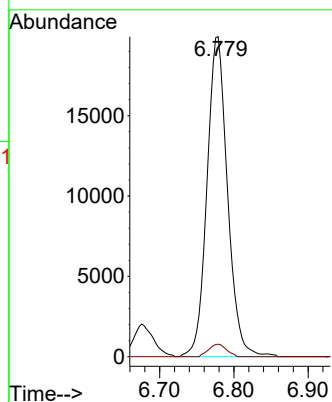
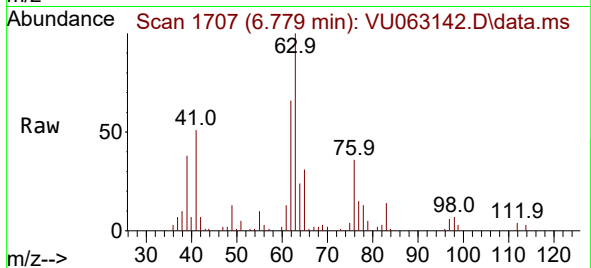




#37
1,2-Dichloropropane
Concen: 5.049 ug/L
RT: 6.779 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

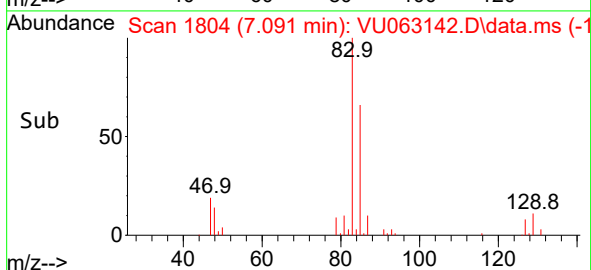
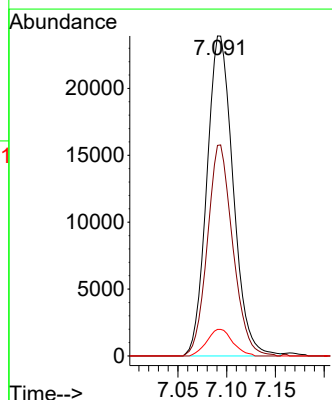
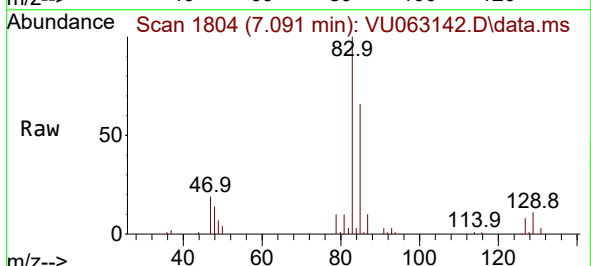
Instrument :
MSVOA_U
ClientSampleId :
E2975MS

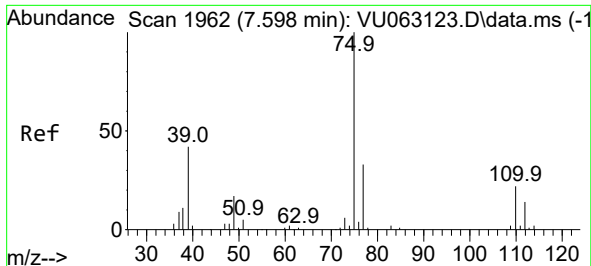
Tgt Ion: 63 Resp: 38258
Ion Ratio Lower Upper
63 100
112 3.4 2.6 4.0



#38
Bromodichloromethane
Concen: 4.929 ug/L
RT: 7.091 min Scan# 1804
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion: 83 Resp: 44841
Ion Ratio Lower Upper
83 100
85 65.8 44.0 81.8
127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.779 ug/L

RT: 7.595 min Scan# 1961

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

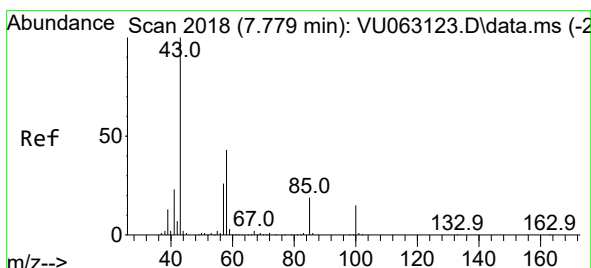
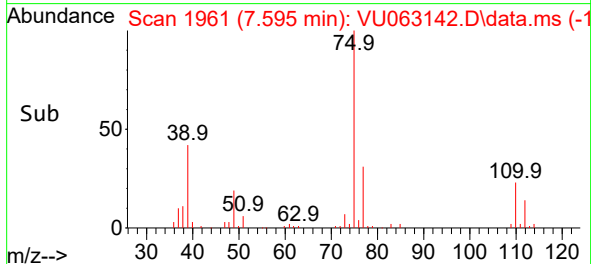
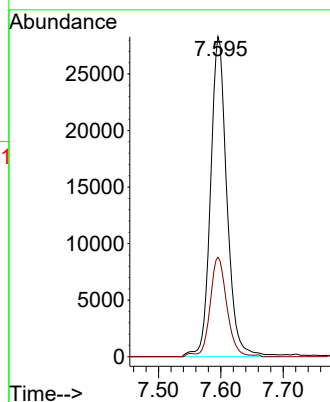
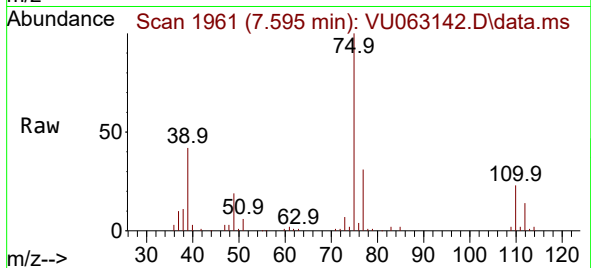
E2975MS

Tgt Ion: 75 Resp: 51640

Ion Ratio Lower Upper

75 100

77 31.1 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 51.011 ug/L

RT: 7.775 min Scan# 2017

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

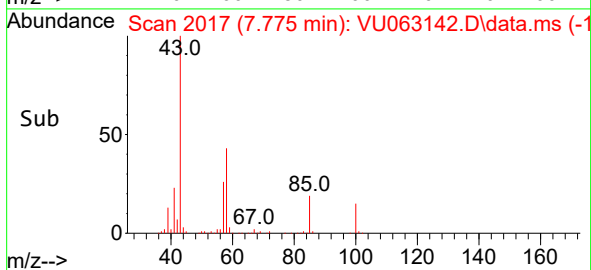
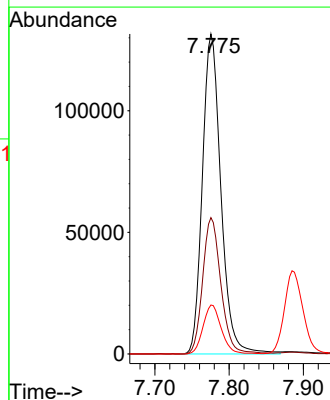
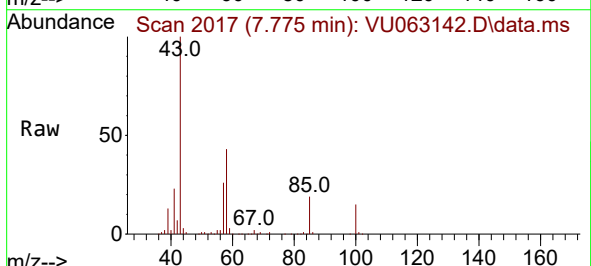
Tgt Ion: 43 Resp: 228133

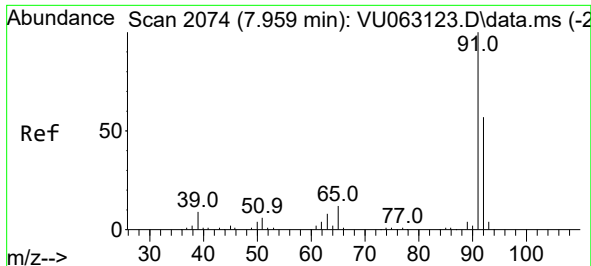
Ion Ratio Lower Upper

43 100

58 42.0 33.7 50.5

100 15.1 12.1 18.1





#42

Toluene

Concen: 5.045 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

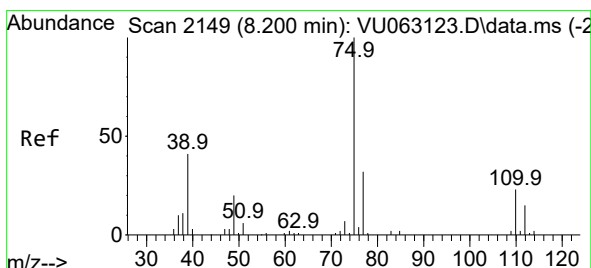
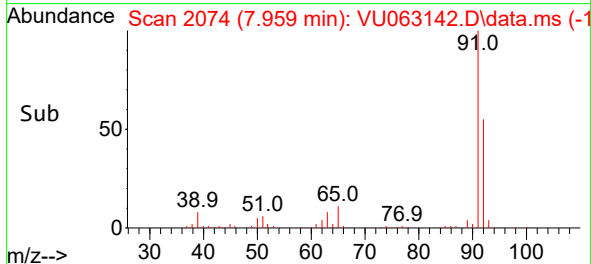
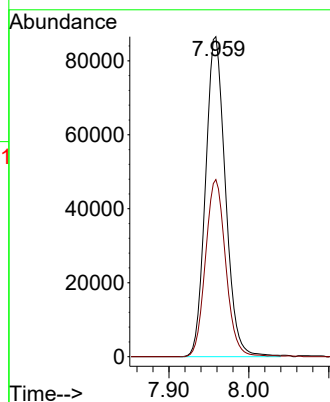
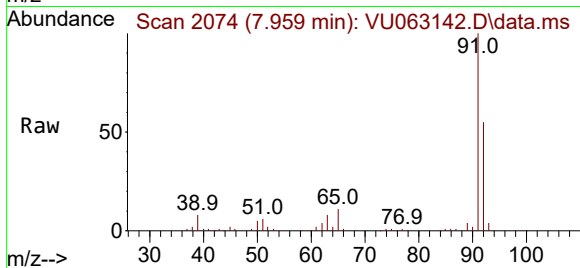
E2975MS

Tgt Ion: 91 Resp: 149803

Ion Ratio Lower Upper

91 100

92 55.4 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.757 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063142.D

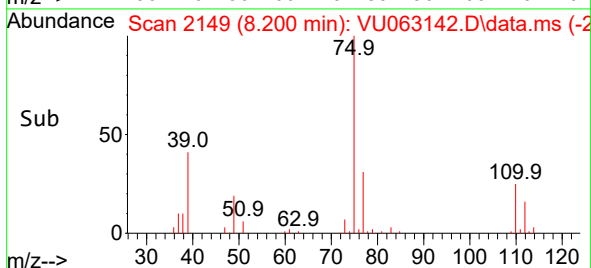
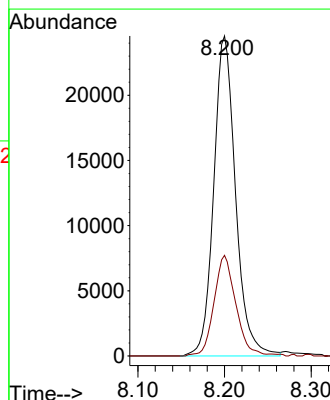
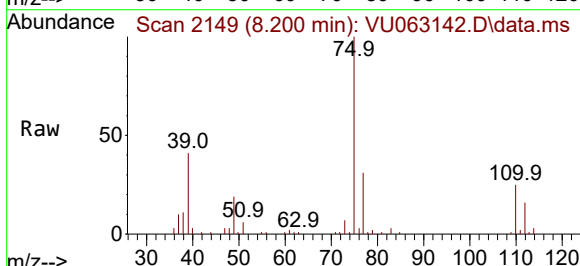
Acq: 05 Feb 2025 00:44

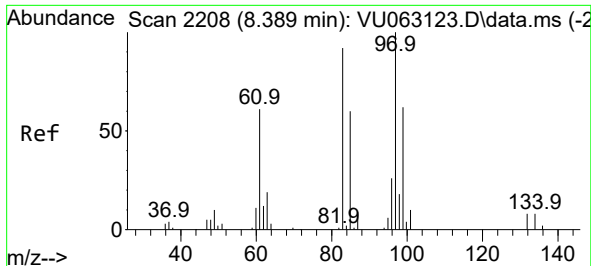
Tgt Ion: 75 Resp: 43032

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 4.861 ug/L

RT: 8.390 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

E2975MS

Tgt Ion: 97 Resp: 27202

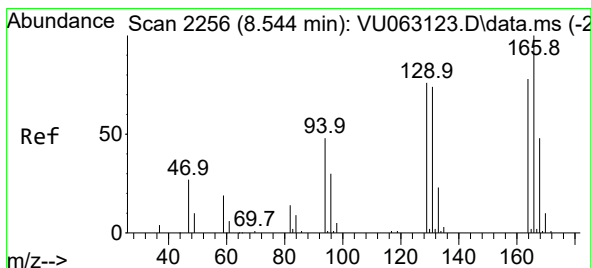
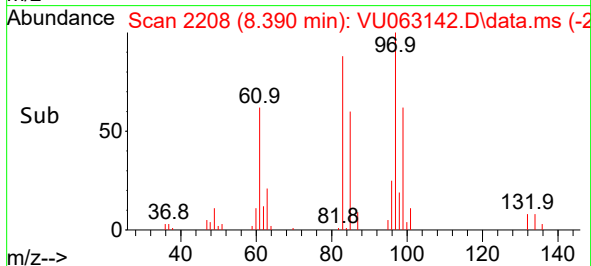
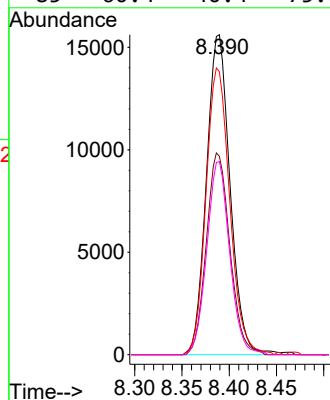
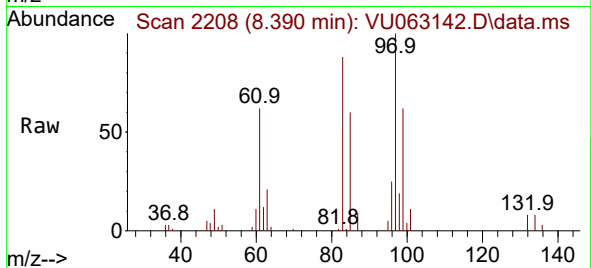
Ion Ratio Lower Upper

97 100

99 62.0 42.2 78.4

83 88.4 62.9 116.9

85 60.4 40.4 75.0



#47

Tetrachloroethene

Concen: 4.940 ug/L

RT: 8.541 min Scan# 2255

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Tgt Ion:164 Resp: 25034

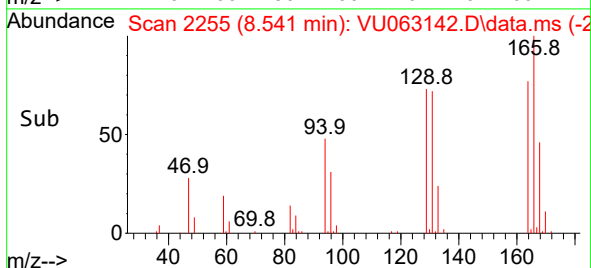
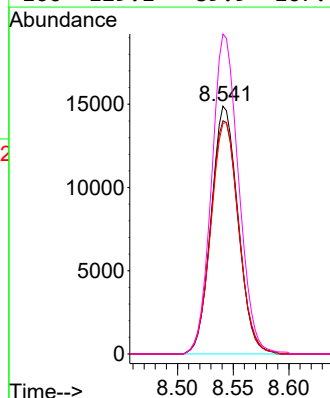
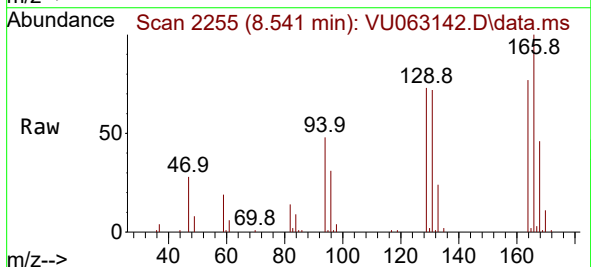
Ion Ratio Lower Upper

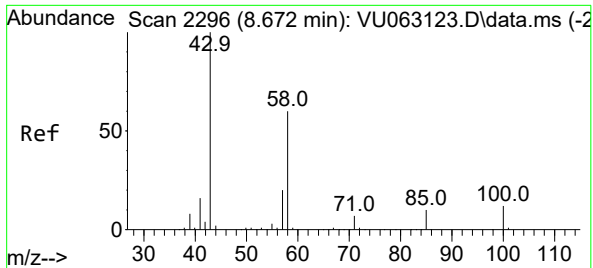
164 100

129 94.1 68.6 127.4

131 93.1 66.5 123.5

166 129.1 89.9 167.0



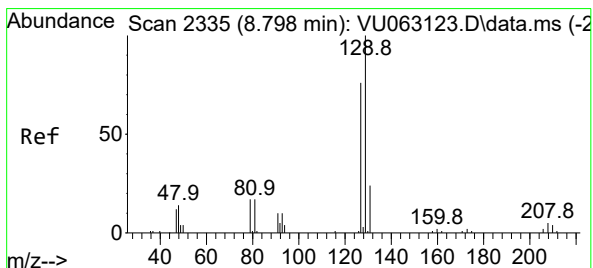
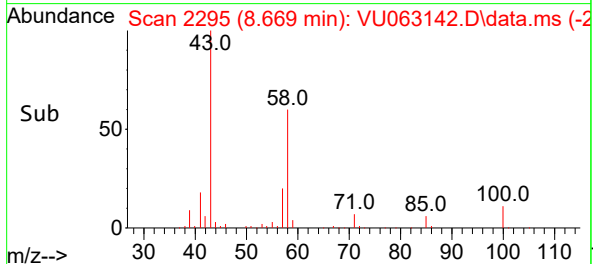
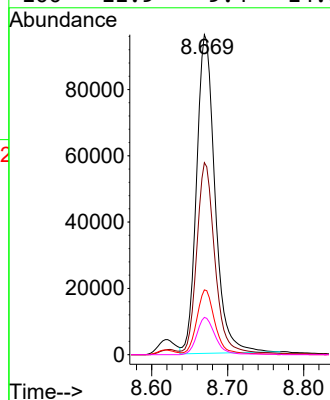
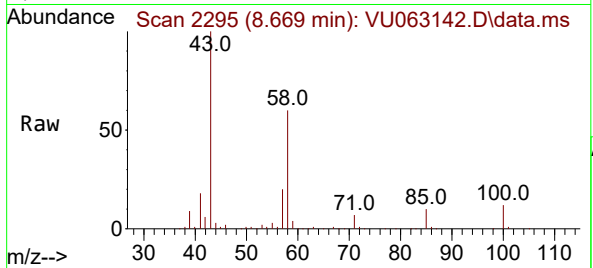


#48
2-Hexanone
Concen: 51.300 ug/L
RT: 8.669 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Instrument :
MSVOA_U
ClientSampleId :
E2975MS

Tgt Ion: 43 Resp: 161857

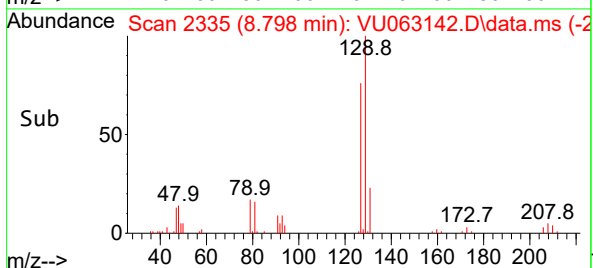
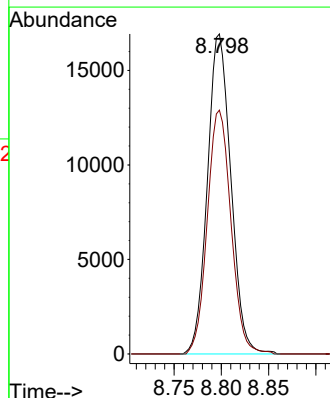
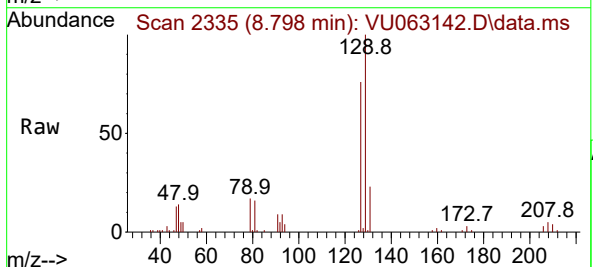
Ion	Ratio	Lower	Upper
43	100		
58	59.5	45.8	68.8
57	19.9	15.7	23.5
100	11.9	9.4	14.0

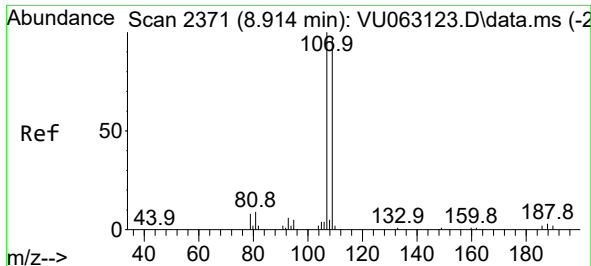


#49
Dibromochloromethane
Concen: 4.969 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion: 129 Resp: 29270

Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.8	99.8





#50

1,2-Dibromoethane

Concen: 5.039 ug/L

RT: 8.914 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

E2975MS

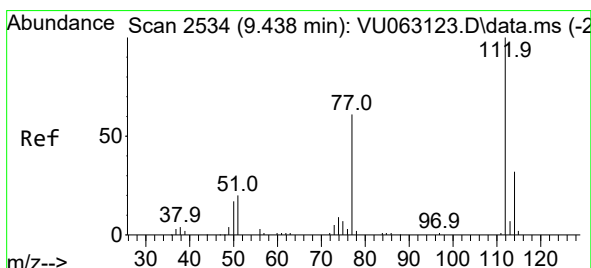
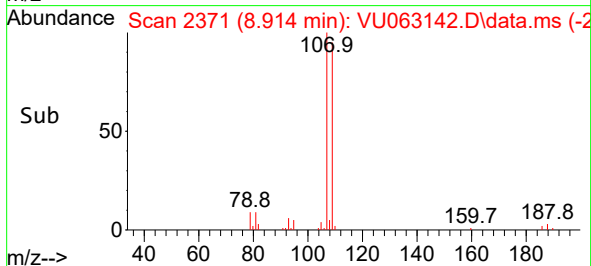
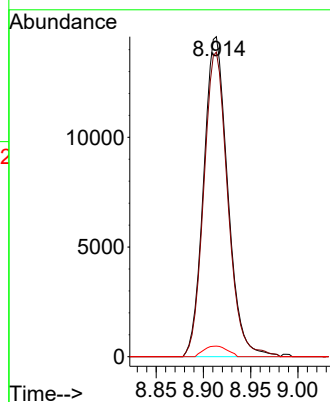
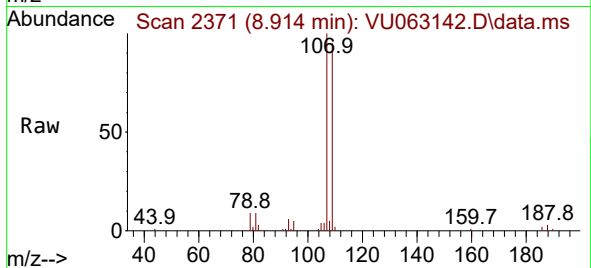
Tgt Ion:107 Resp: 25863

Ion Ratio Lower Upper

107 100

109 95.2 67.6 125.6

188 3.3 2.6 3.8



#51

Chlorobenzene

Concen: 4.961 ug/L

RT: 9.435 min Scan# 2533

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

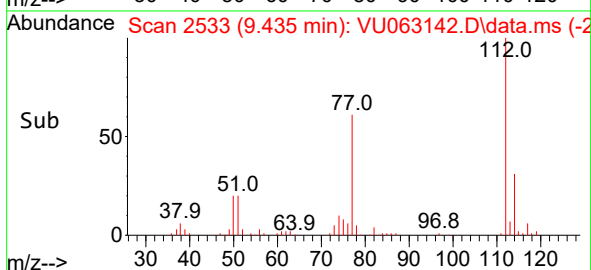
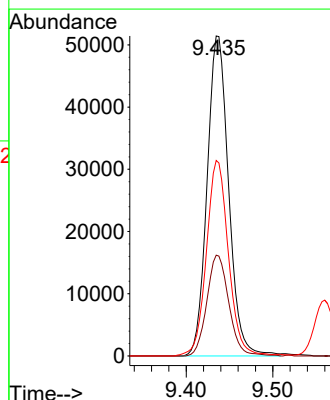
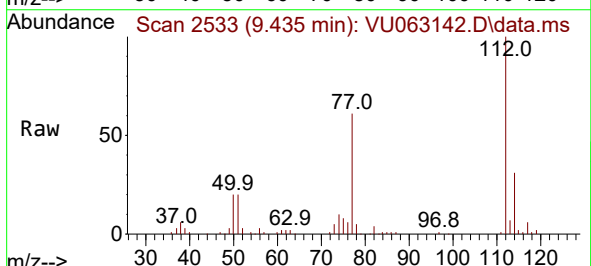
Tgt Ion:112 Resp: 88928

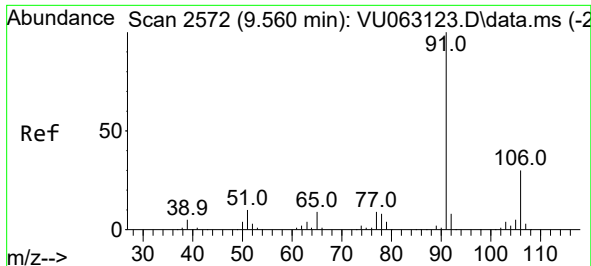
Ion Ratio Lower Upper

112 100

114 31.5 22.6 42.0

77 61.1 50.8 76.2

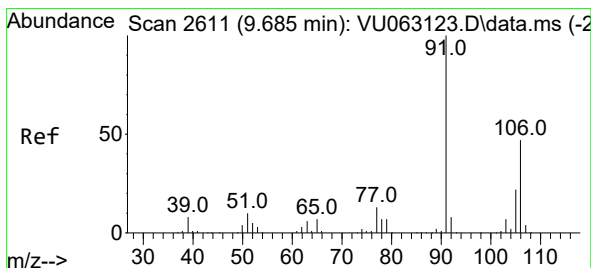
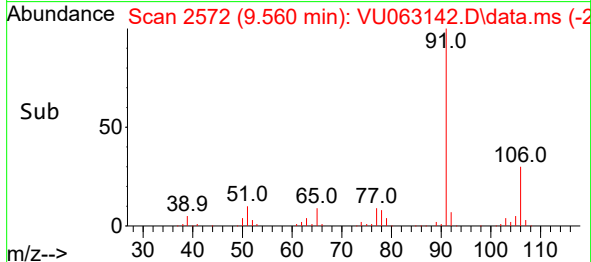
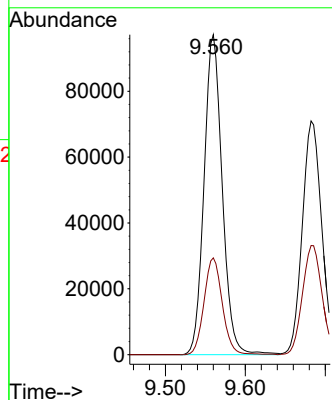
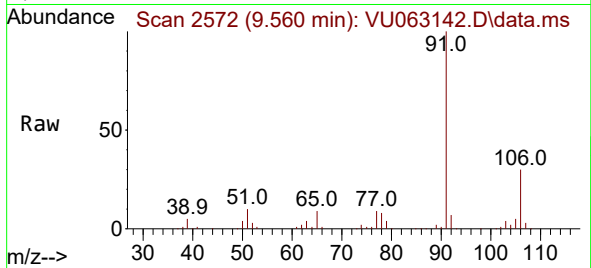




#52
Ethylbenzene
Concen: 4.957 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

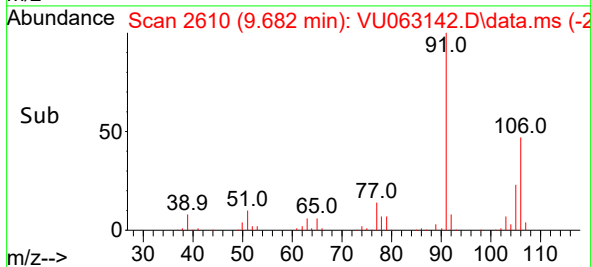
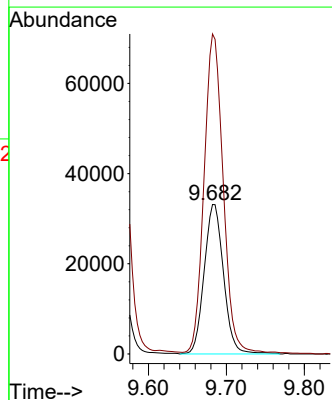
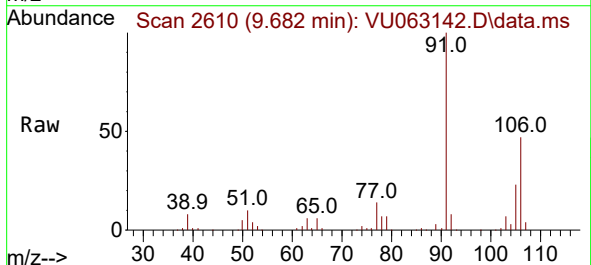
Instrument :
MSVOA_U
ClientSampleId :
E2975MS

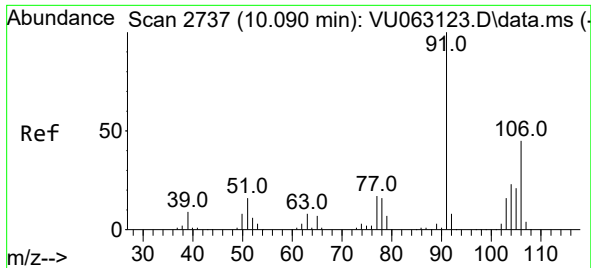
Tgt Ion: 91 Resp: 153951
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.6



#53
m,p-Xylene
Concen: 5.112 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion: 106 Resp: 57276
Ion Ratio Lower Upper
106 100
91 214.1 147.3 273.6

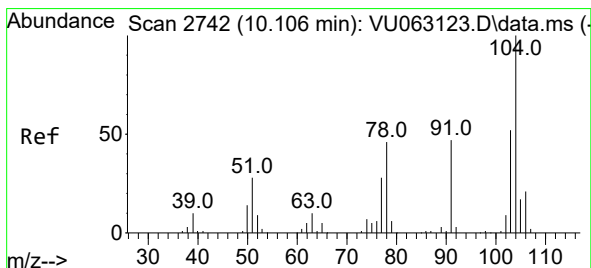
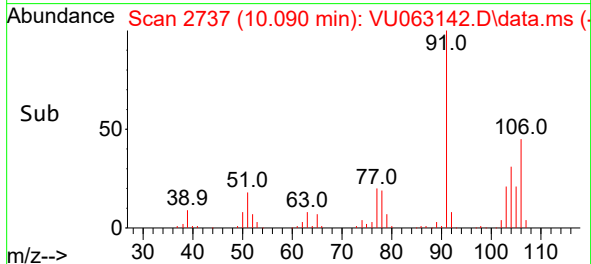
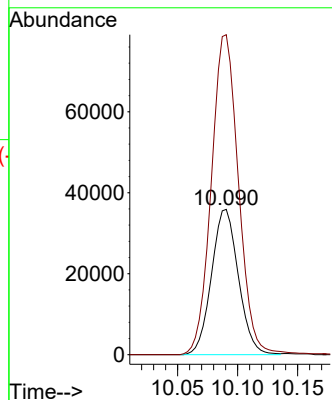
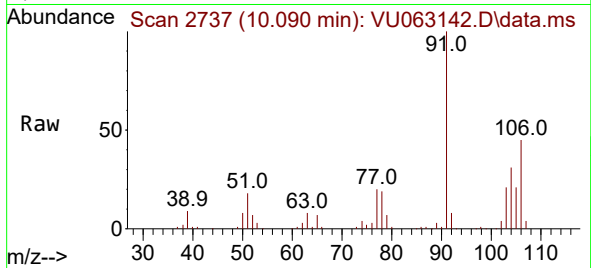




#54
o-Xylene
Concen: 5.033 ug/L
RT: 10.090 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

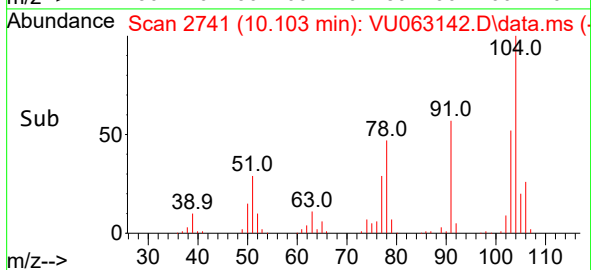
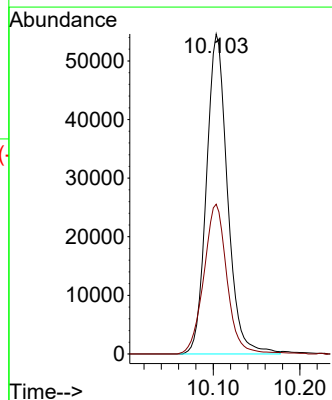
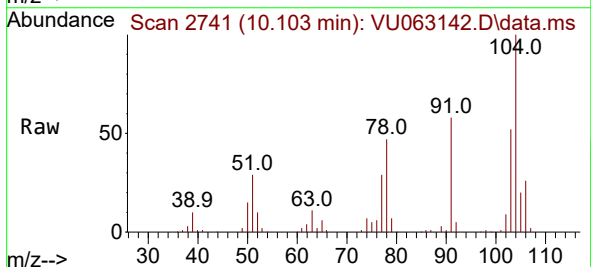
Instrument :
MSVOA_U
ClientSampleId :
E2975MS

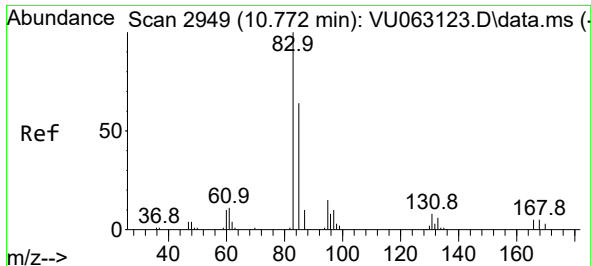
Tgt Ion:106 Resp: 55913
Ion Ratio Lower Upper
106 100
91 220.3 155.4 288.6



#55
Styrene
Concen: 5.039 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion:104 Resp: 92145
Ion Ratio Lower Upper
104 100
78 46.8 31.6 58.6





#57

1,1,2-Tetrachloroethane

Concen: 5.037 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

E2975MS

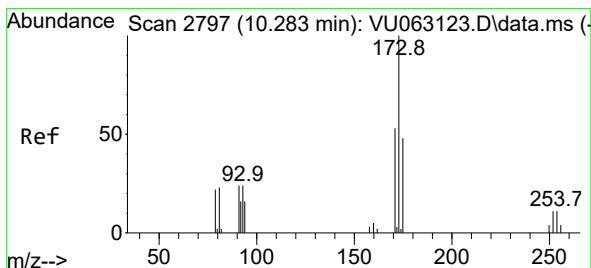
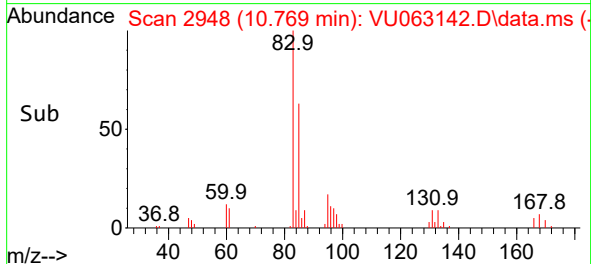
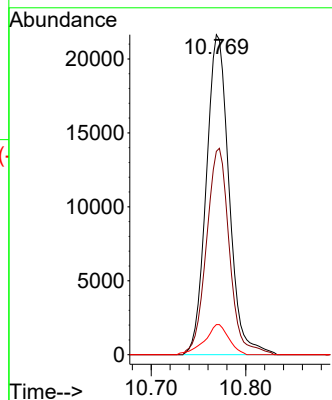
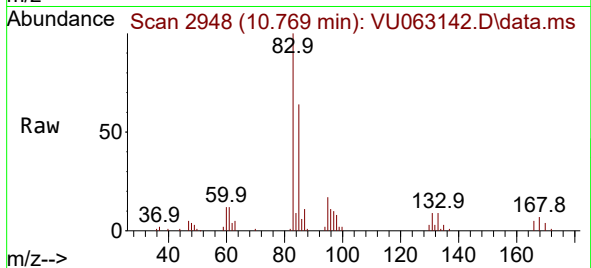
Tgt Ion: 83 Resp: 36180

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.8

131 9.4 7.4 11.0



#59

Bromoform

Concen: 4.948 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

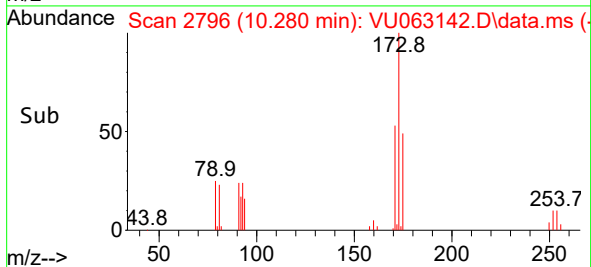
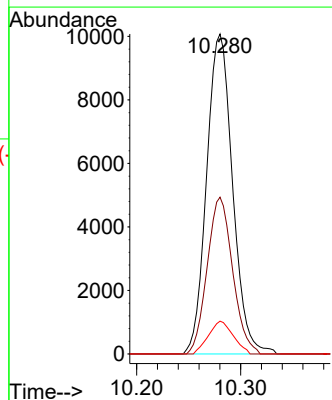
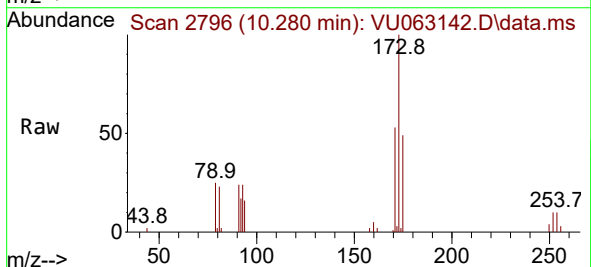
Tgt Ion:173 Resp: 17481

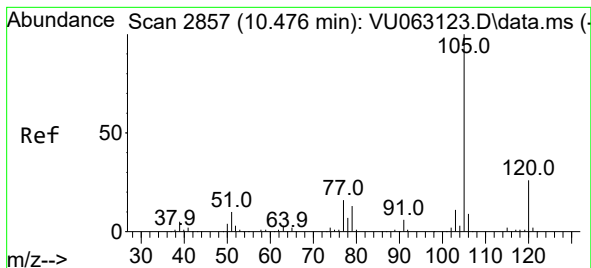
Ion Ratio Lower Upper

173 100

175 47.9 37.7 56.5

254 9.7 7.9 11.9





#60

Isopropylbenzene

Concen: 5.110 ug/L

RT: 10.473 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

E2975MS

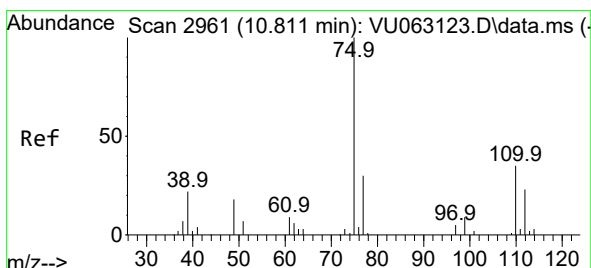
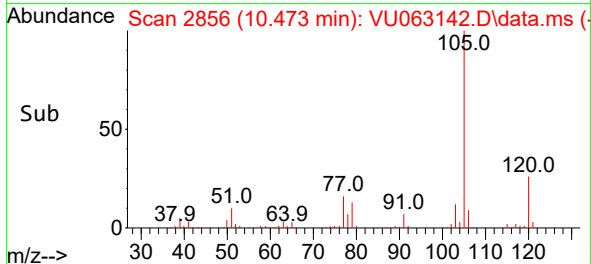
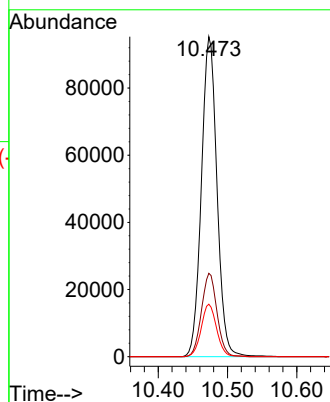
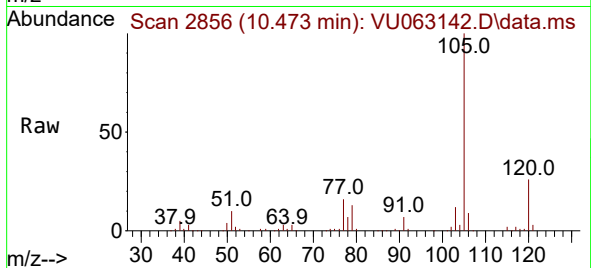
Tgt Ion:105 Resp: 148708

Ion Ratio Lower Upper

105 100

120 25.9 20.8 31.2

77 16.2 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 4.912 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

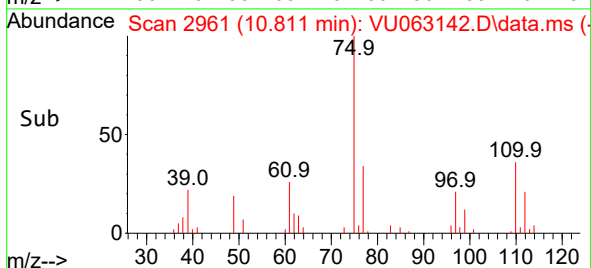
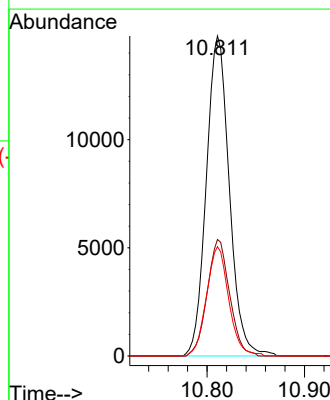
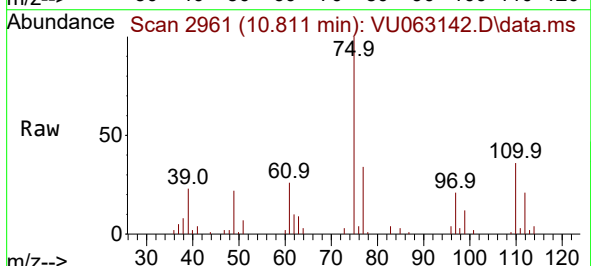
Tgt Ion: 75 Resp: 24294

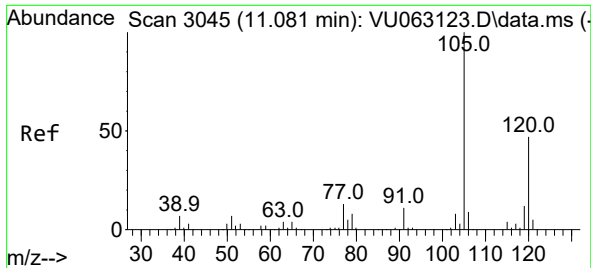
Ion Ratio Lower Upper

75 100

110 35.4 27.4 41.0

77 33.0 26.3 39.5

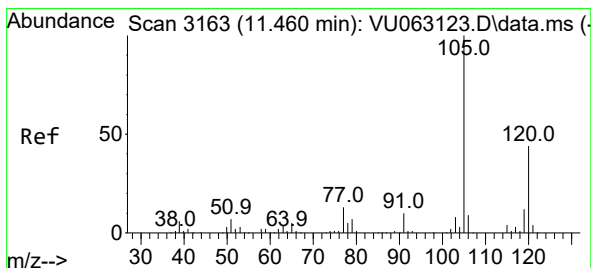
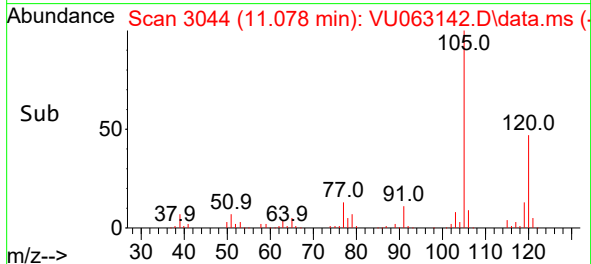
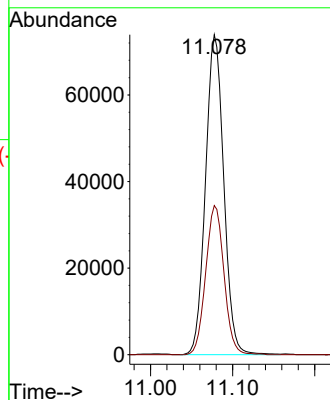
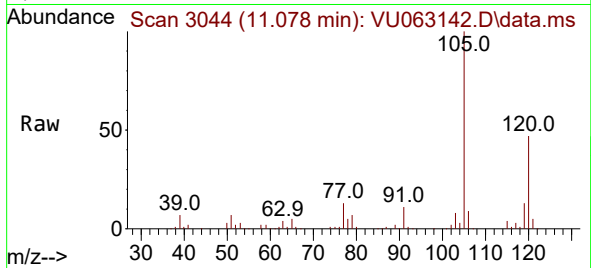




#62
1,3,5-Trimethylbenzene
Concen: 4.974 ug/L
RT: 11.078 min Scan# 3044
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

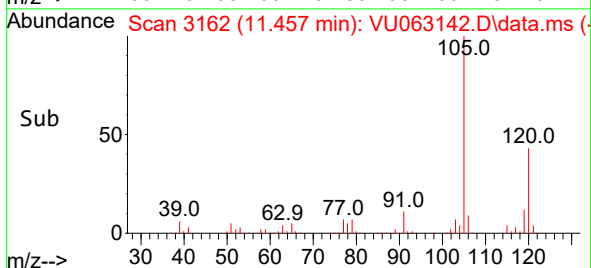
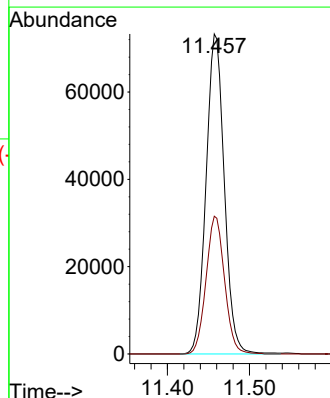
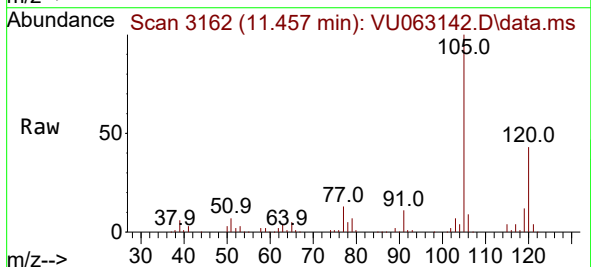
Instrument :
MSVOA_U
ClientSampleId :
E2975MS

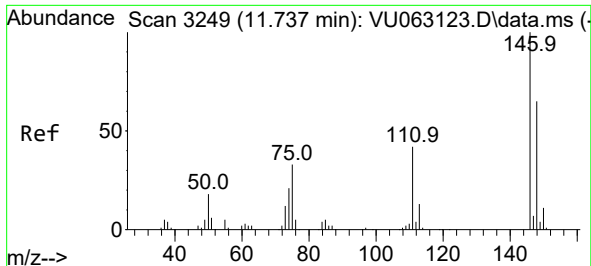
Tgt Ion:105 Resp: 114185
Ion Ratio Lower Upper
105 100
120 46.7 37.8 56.8



#63
1,2,4-Trimethylbenzene
Concen: 5.121 ug/L
RT: 11.457 min Scan# 3162
Delta R.T. -0.003 min
Lab File: VU063142.D
Acq: 05 Feb 2025 00:44

Tgt Ion:105 Resp: 113051
Ion Ratio Lower Upper
105 100
120 43.7 34.7 52.1

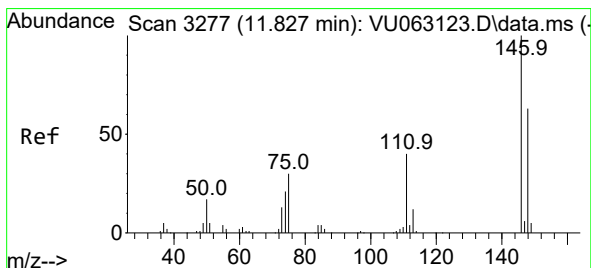
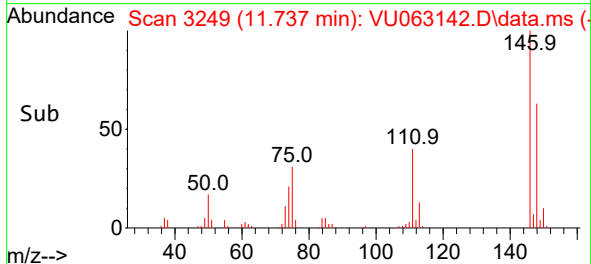
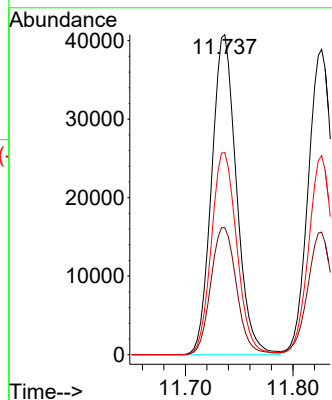
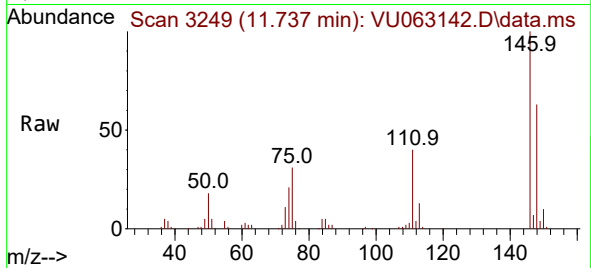




#64
 1,3-Dichlorobenzene
 Concen: 4.961 ug/L
 RT: 11.737 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063142.D
 Acq: 05 Feb 2025 00:44

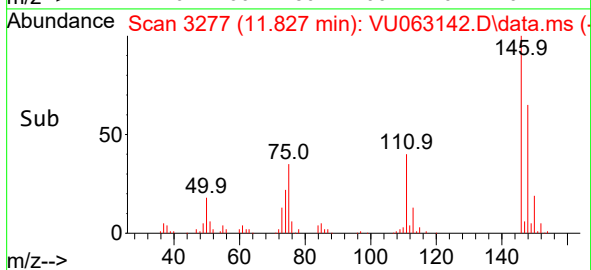
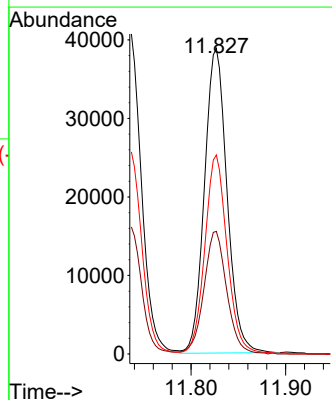
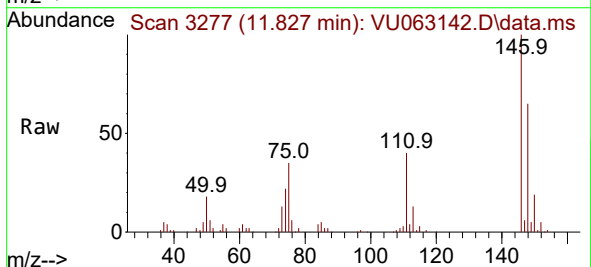
Instrument :
 MSVOA_U
 ClientSampleId :
 E2975MS

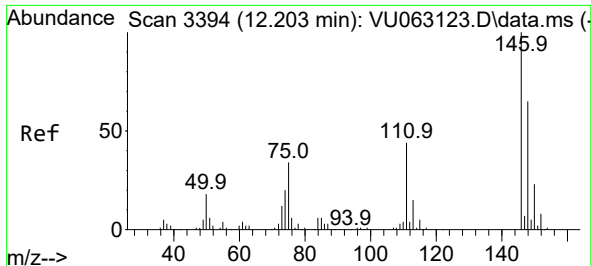
Tgt Ion:146 Resp: 65413
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.9 51.7
 148 63.1 44.6 82.8



#65
 1,4-Dichlorobenzene
 Concen: 4.859 ug/L
 RT: 11.827 min Scan# 3277
 Delta R.T. 0.000 min
 Lab File: VU063142.D
 Acq: 05 Feb 2025 00:44

Tgt Ion:146 Resp: 64413
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.5 52.9
 148 65.2 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 5.079 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

E2975MS

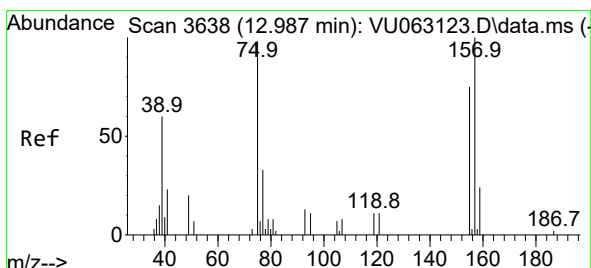
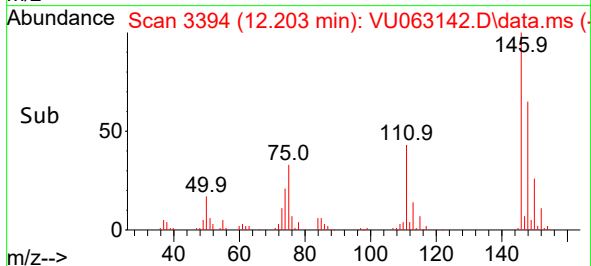
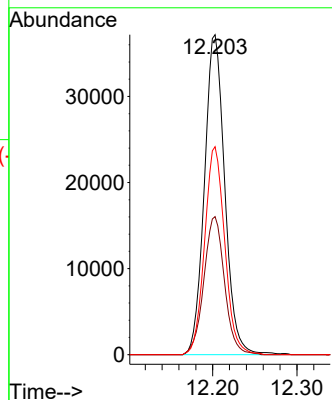
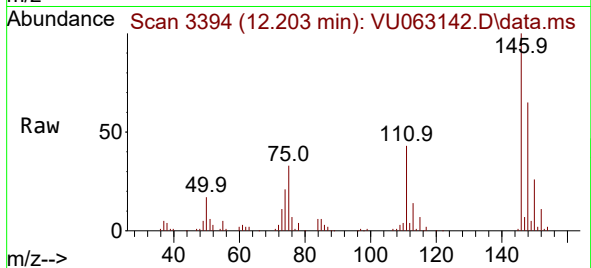
Tgt Ion:146 Resp: 62578

Ion Ratio Lower Upper

146 100

111 43.2 34.1 51.1

148 65.0 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.228 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

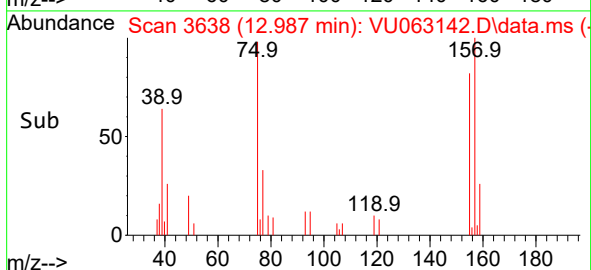
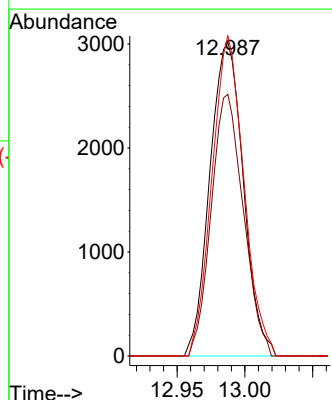
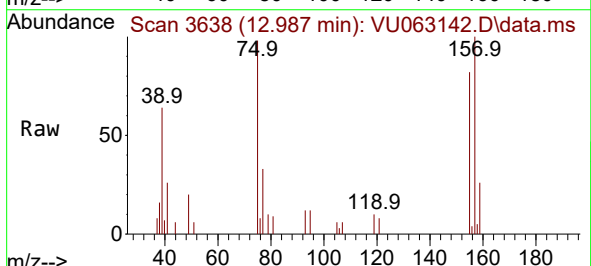
Tgt Ion: 75 Resp: 5173

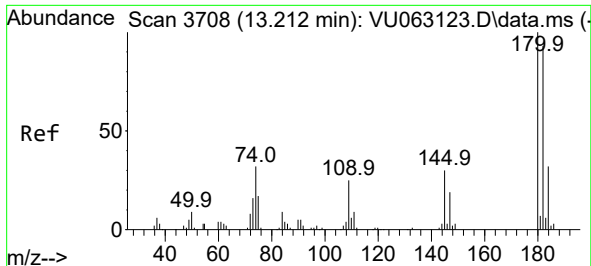
Ion Ratio Lower Upper

75 100

155 83.4 61.6 92.4

157 102.0 77.4 116.0





#69

1,3,5-Trichlorobenzene

Concen: 4.949 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063142.D

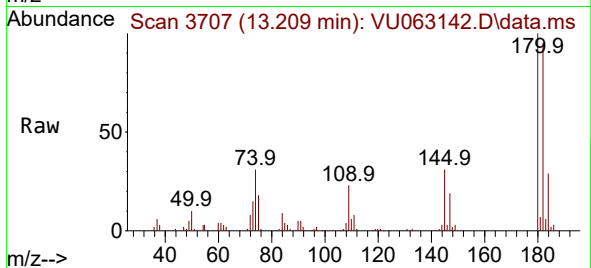
Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

E2975MS



Tgt Ion:180 Resp: 44587

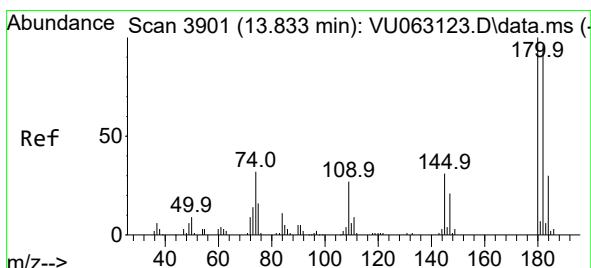
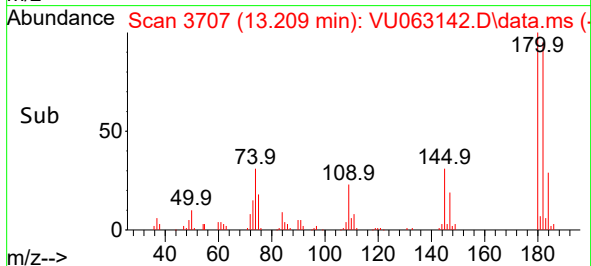
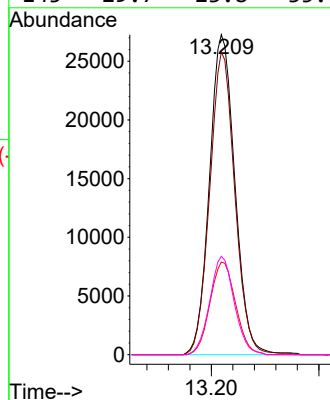
Ion Ratio Lower Upper

180 100

182 93.6 76.7 115.1

184 29.2 23.8 35.8

145 29.7 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 4.787 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

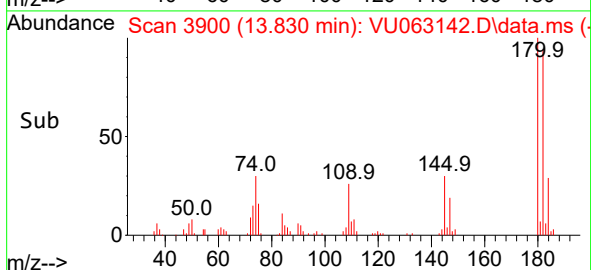
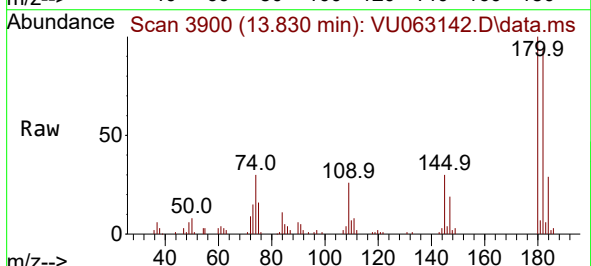
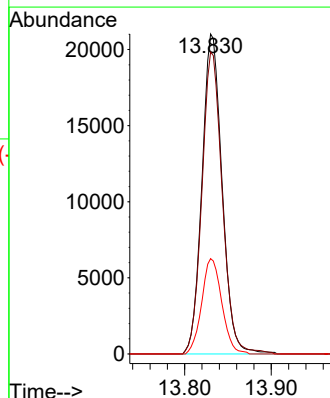
Tgt Ion:180 Resp: 33927

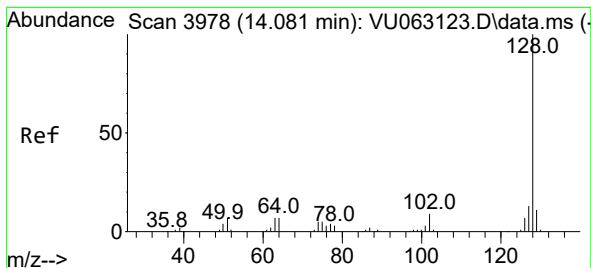
Ion Ratio Lower Upper

180 100

182 95.5 76.1 114.1

145 29.7 24.3 36.5





#71

Naphthalene

Concen: 4.591 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Instrument :

MSVOA_U

ClientSampleId :

E2975MS

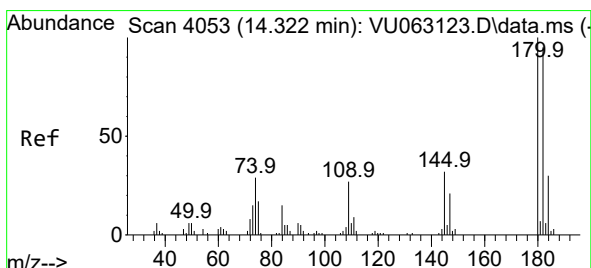
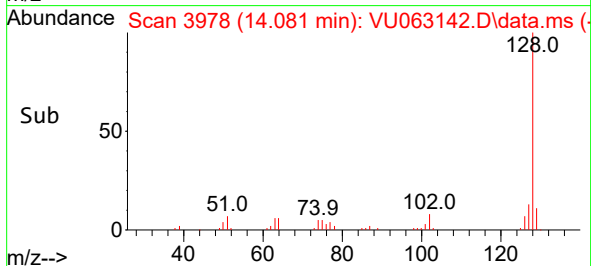
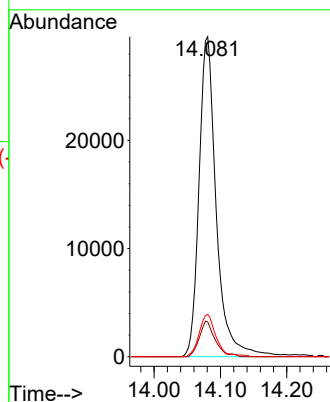
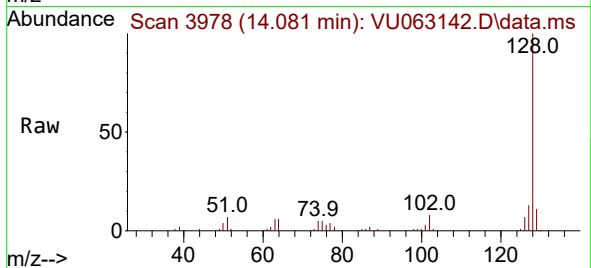
Tgt Ion:128 Resp: 53408

Ion Ratio Lower Upper

128 100

129 10.1 8.0 12.0

127 13.0 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.982 ug/L

RT: 14.319 min Scan# 4052

Delta R.T. -0.003 min

Lab File: VU063142.D

Acq: 05 Feb 2025 00:44

Tgt Ion:180 Resp: 31551

Ion Ratio Lower Upper

180 100

182 97.2 78.5 117.7

145 32.2 26.1 39.1

