

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
 Data File : VU063004.D
 Acq On : 24 Jan 2025 19:44
 Operator : MD/SY
 Sample : Q1174-16MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 24 20:37:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 24 19:02:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	86229	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	79154	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	43739	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	14802	3.099	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.000%
7) Chloroethane-d5	1.904	69	11795	3.070	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	61.400%#
11) 1,1-Dichloroethene-d2	2.557	65	9534	3.854	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.000%
20) 2-Butanone-d5	4.605	46	44142	45.225	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.440%
24) Chloroform-d	5.049	84	53701	4.570	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.688	65	29325	4.601	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
32) Benzene-d6	5.714	84	81355	4.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	6.676	67	22445	4.184	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.600%
41) Toluene-d8	7.885	98	83667	4.438	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	8.171	79	11707	4.378	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.618	63	36450	43.339	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.680%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	20933	4.659	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	12.180	152	32796	4.507	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	33750	4.109	ug/L	99
3) Chloromethane	1.518	50	18573	3.369	ug/L	97
5) Vinyl chloride	1.599	62	20967	3.378	ug/L	88
6) Bromomethane	1.843	94	8368	1.853	ug/L	85
8) Chloroethane	1.923	64	12582	3.374	ug/L	98
9) Trichlorofluoromethane	2.129	101	52308	4.177	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	25509	4.216	ug/L	94
12) 1,1-Dichloroethene	2.570	96	22949	4.287	ug/L	91
13) Acetone	2.611	43	34168	44.190	ug/L	98
14) Carbon disulfide	2.782	76	65591	3.836	ug/L	98
15) Methyl Acetate	2.939	43	7254	4.333	ug/L	95
16) Methylene chloride	3.033	84	25609	4.367	ug/L	99
17) Methyl tert-butyl Ether	3.348	73	73031	4.964	ug/L	98
18) trans-1,2-Dichloroethene	3.341	96	25921	4.520	ug/L	97
19) 1,1-Dichloroethane	3.853	63	46586	4.543	ug/L	93
21) 2-Butanone	4.685	43	49974	48.529	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	29817	4.774	ug/L	99
23) Bromochloromethane	4.962	128	14817	5.026	ug/L	93
25) Chloroform	5.071	83	58552	4.640	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
 Data File : VU063004.D
 Acq On : 24 Jan 2025 19:44
 Operator : MD/SY
 Sample : Q1174-16MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 24 20:37:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 24 19:02:27 2025
 Response via : Initial Calibration

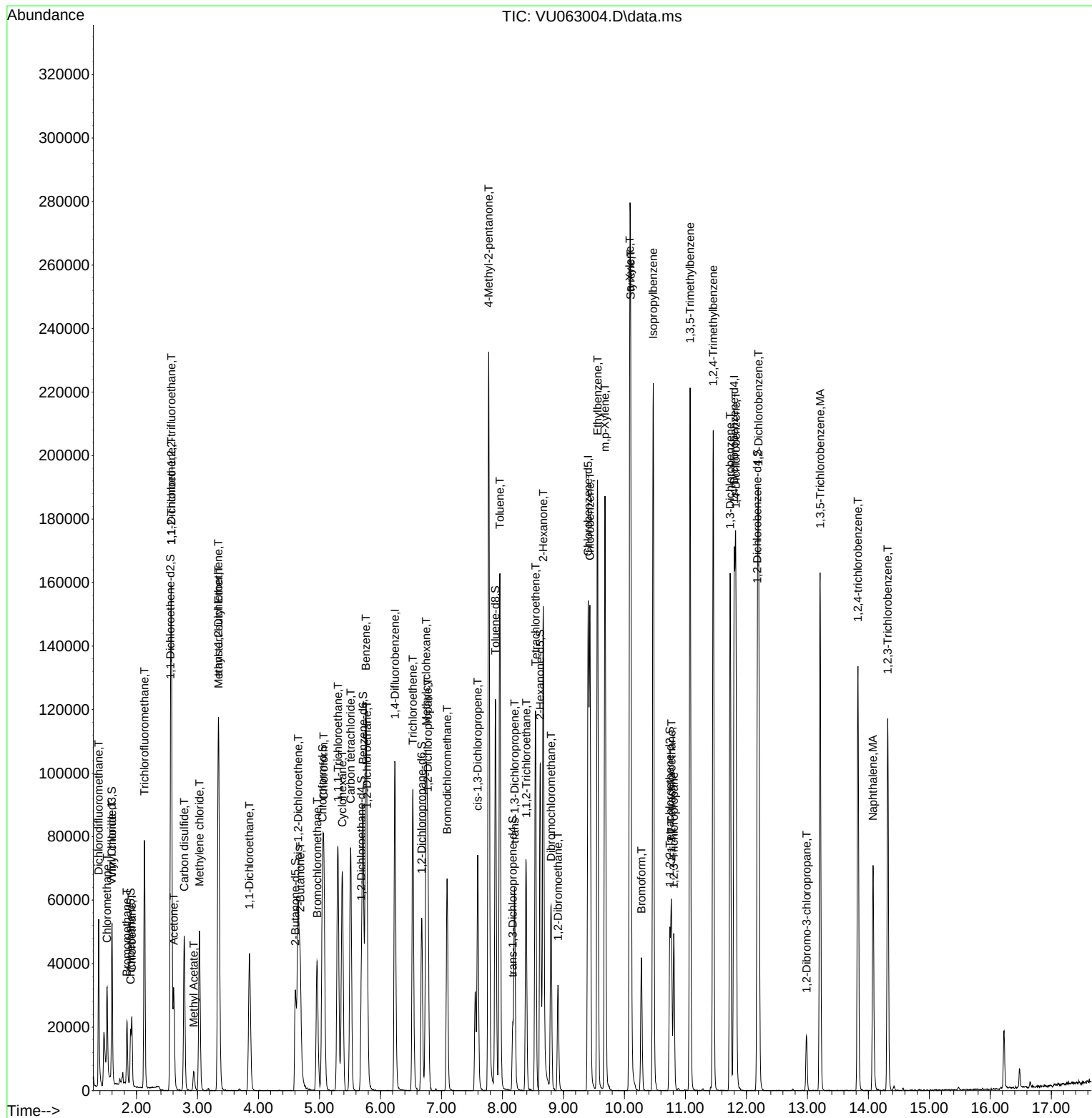
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	41469	5.026	ug/L #	96
29) 1,1,1-Trichloroethane	5.303	97	60225	5.016	ug/L	99
30) Cyclohexane	5.373	56	31292	3.991	ug/L	88
31) Carbon tetrachloride	5.512	117	54776	4.964	ug/L	99
33) Benzene	5.759	78	104503	4.595	ug/L	100
34) Trichloroethene	6.531	95	31957	4.114	ug/L	97
35) Methylcyclohexane	6.750	83	40395	4.226	ug/L	94
37) 1,2-Dichloropropane	6.778	63	24128	4.497	ug/L	97
38) Bromodichloromethane	7.094	83	43602	5.054	ug/L	95
39) cis-1,3-Dichloropropene	7.595	75	41636	4.558	ug/L	97
40) 4-Methyl-2-pentanone	7.775	43	124746	49.778	ug/L	97
42) Toluene	7.958	91	118356	4.750	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	37498	4.762	ug/L	97
45) 1,1,2-Trichloroethane	8.389	97	22347	5.129	ug/L	94
47) Tetrachloroethene	8.544	164	26459	4.945	ug/L	92
48) 2-Hexanone	8.669	43	80434	44.645	ug/L	97
49) Dibromochloromethane	8.798	129	31058	5.309	ug/L	100
50) 1,2-Dibromoethane	8.910	107	21781	5.225	ug/L #	99
51) Chlorobenzene	9.434	112	80134	4.917	ug/L	98
52) Ethylbenzene	9.560	91	136019	4.810	ug/L	98
53) m,p-Xylene	9.682	106	52183	4.934	ug/L	96
54) o-Xylene	10.090	106	51243	5.058	ug/L	99
55) Styrene	10.103	104	82544	4.871	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	25036	5.122	ug/L #	90
59) Bromoform	10.280	173	19164	5.023	ug/L	98
60) Isopropylbenzene	10.473	105	143867	4.773	ug/L	99
61) 1,2,3-Trichloropropane	10.810	75	19383	4.996	ug/L	98
62) 1,3,5-Trimethylbenzene	11.077	105	121559	4.745	ug/L	98
63) 1,2,4-Trimethylbenzene	11.457	105	117854	4.756	ug/L	99
64) 1,3-Dichlorobenzene	11.733	146	68022	4.868	ug/L	97
65) 1,4-Dichlorobenzene	11.826	146	66472	4.717	ug/L	98
67) 1,2-Dichlorobenzene	12.199	146	64118	4.896	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	4892	4.868	ug/L	88
69) 1,3,5-Trichlorobenzene	13.209	180	51352	4.880	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	41861	4.939	ug/L	98
71) Naphthalene	14.077	128	61427	4.953	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	36352	4.920	ug/L	98

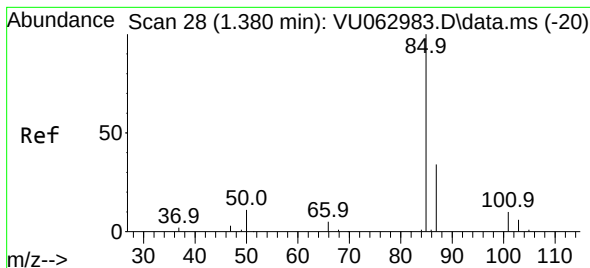
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
Data File : VU063004.D
Acq On : 24 Jan 2025 19:44
Operator : MD/SY
Sample : Q1174-16MSD
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 24 20:37:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 24 19:02:27 2025
Response via : Initial Calibration

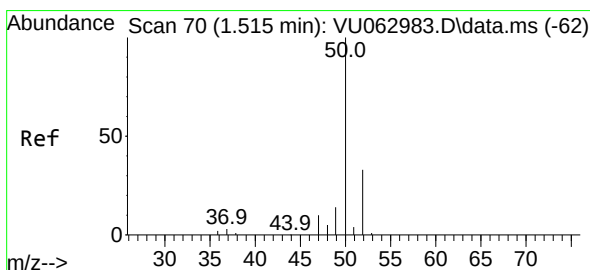
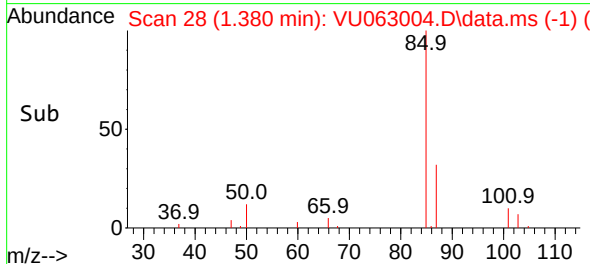
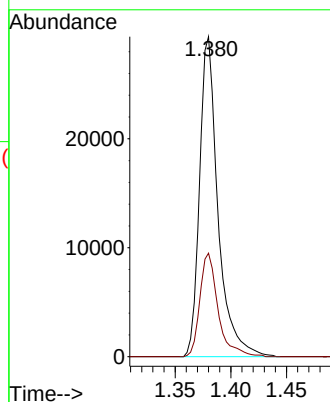
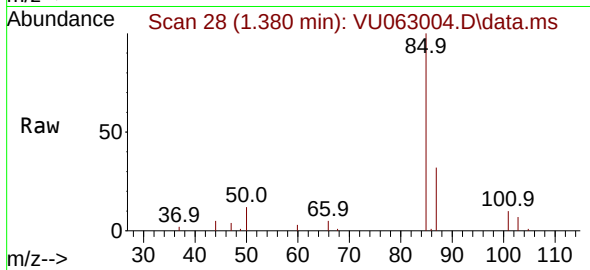




#2
 Dichlorodifluoromethane
 Concen: 4.109 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU063004.D
 Acq: 24 Jan 2025 19:44

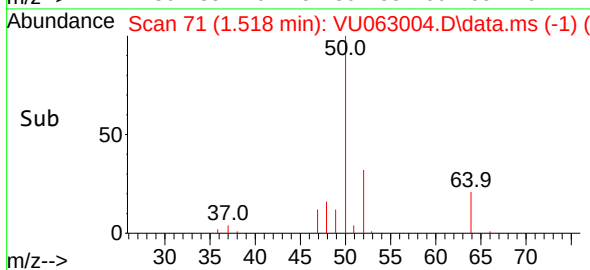
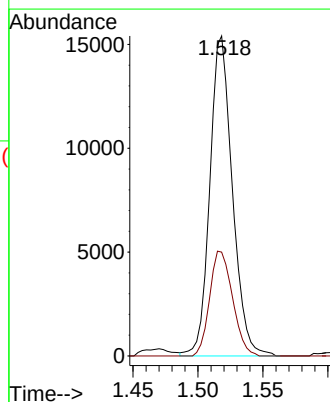
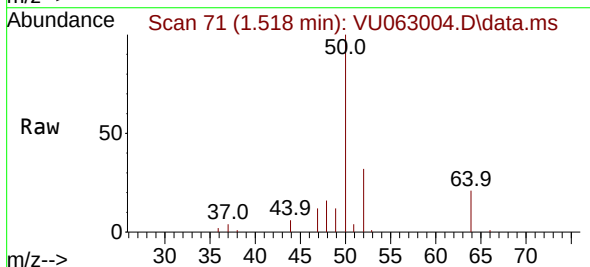
Instrument :
 MSVOA_U
 ClientSampleId :

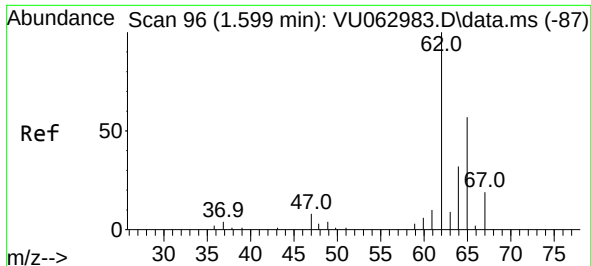
Tgt Ion: 85 Resp: 33750
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.1 39.1



#3
 Chloromethane
 Concen: 3.369 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU063004.D
 Acq: 24 Jan 2025 19:44

Tgt Ion: 50 Resp: 18573
 Ion Ratio Lower Upper
 50 100
 52 32.4 24.1 44.7

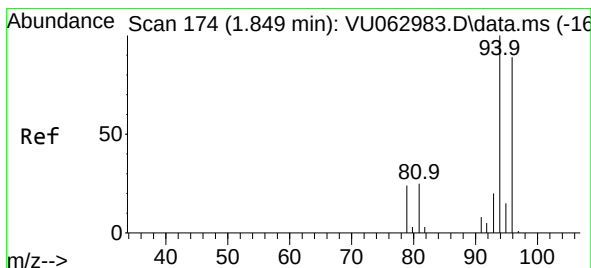
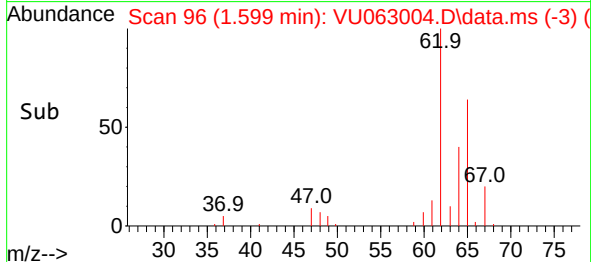
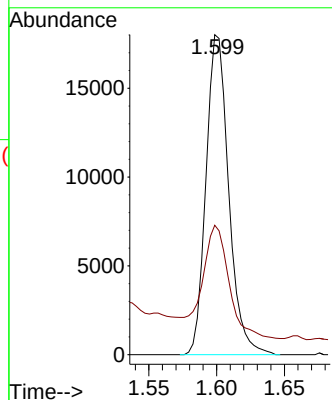
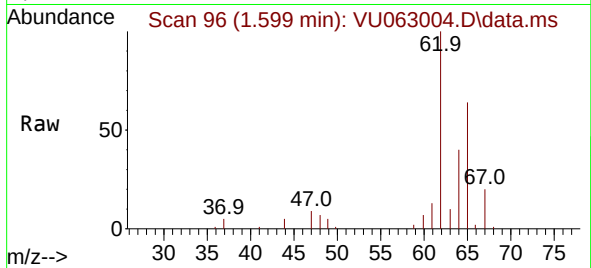




#5
 Vinyl chloride
 Concen: 3.378 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VU063004.D
 Acq: 24 Jan 2025 19:44

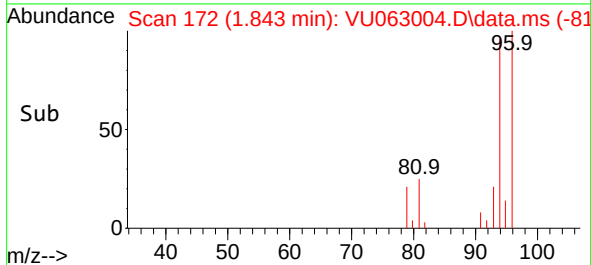
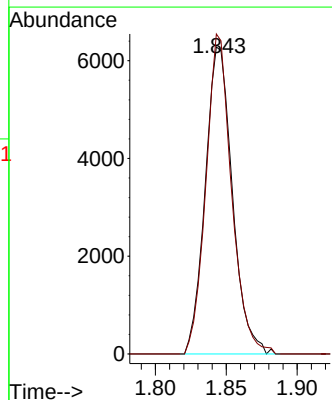
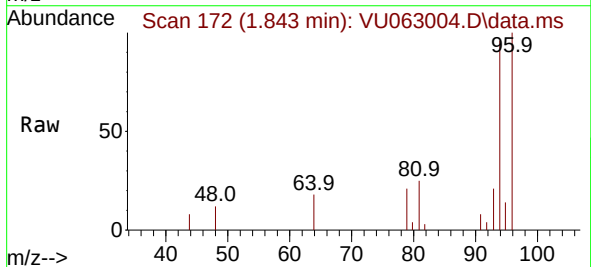
Instrument :
 MSVOA_U
 ClientSampleId :

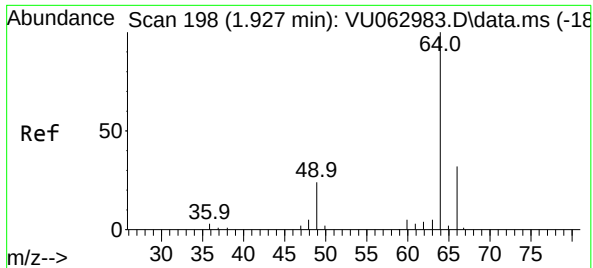
Tgt Ion: 62 Resp: 20967
 Ion Ratio Lower Upper
 62 100
 64 40.5 23.4 43.4



#6
 Bromomethane
 Concen: 1.853 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. -0.006 min
 Lab File: VU063004.D
 Acq: 24 Jan 2025 19:44

Tgt Ion: 94 Resp: 8368
 Ion Ratio Lower Upper
 94 100
 96 104.2 62.9 116.7

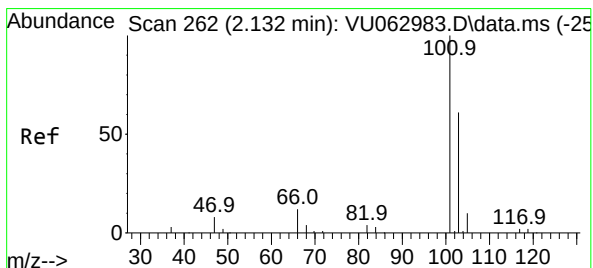
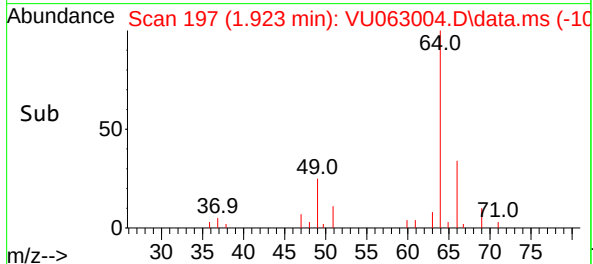
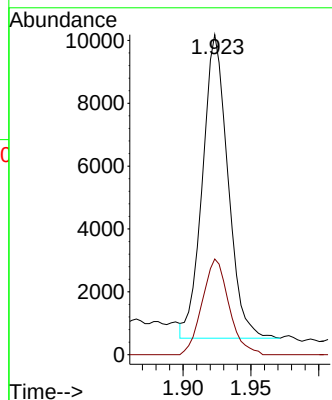
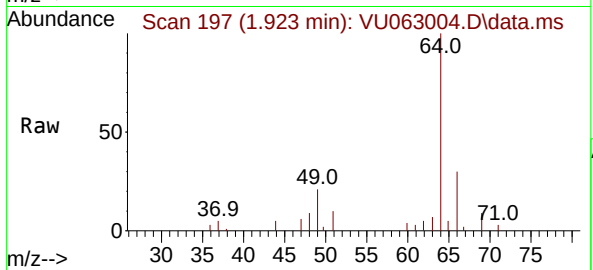




#8
Chloroethane
Concen: 3.374 ug/L
RT: 1.923 min Scan# 198
Delta R.T. -0.003 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

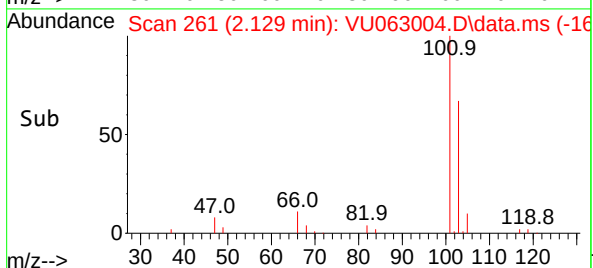
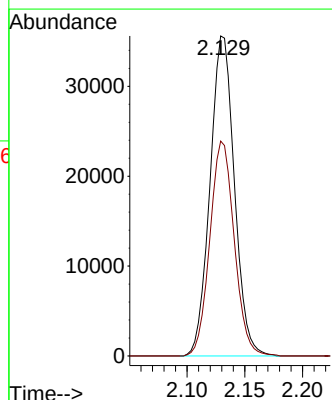
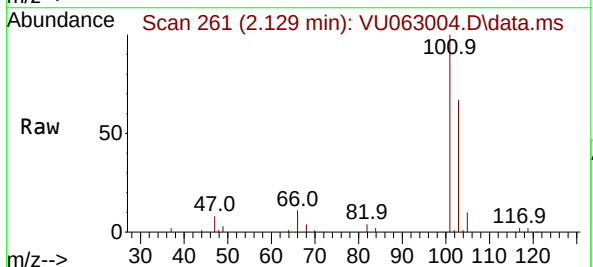
Instrument :
MSVOA_U
ClientSampleId :

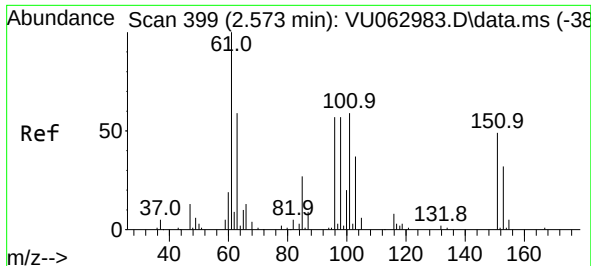
Tgt Ion: 64 Resp: 12582
Ion Ratio Lower Upper
64 100
66 29.9 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.177 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion:101 Resp: 52308
Ion Ratio Lower Upper
101 100
103 67.2 51.4 77.0





#10

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

Concen: 4.216 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

ClientSampleId :

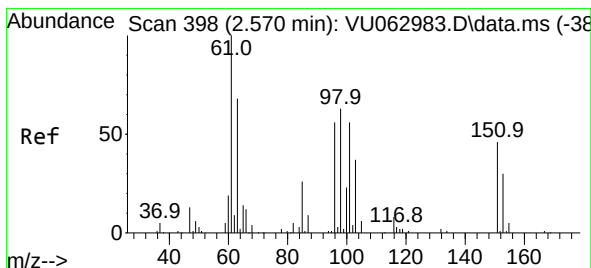
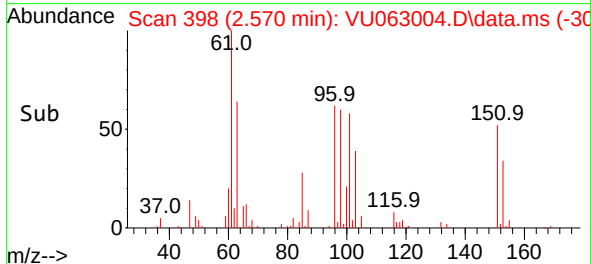
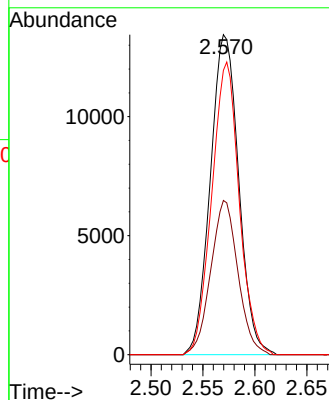
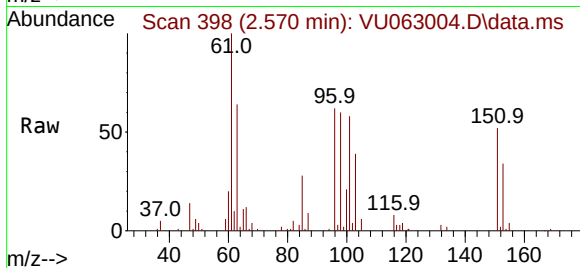
Tgt Ion:101 Resp: 25509

Ion Ratio Lower Upper

101 100

85 46.2 37.0 55.6

151 88.7 64.4 96.6



#12

1,1-Dichloroethene

Concen: 4.287 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

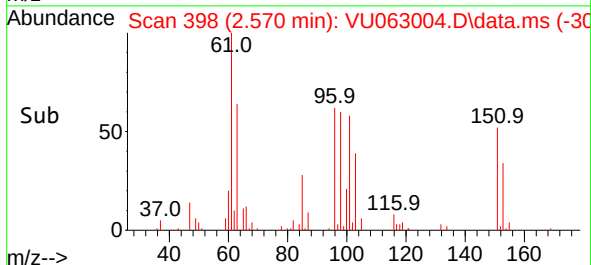
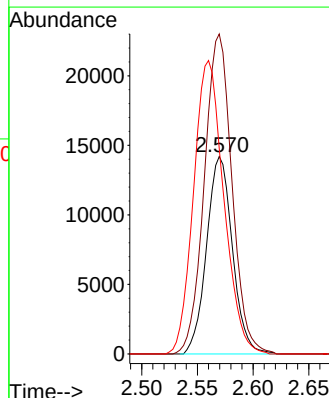
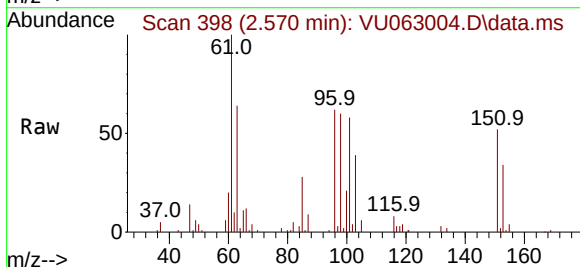
Tgt Ion: 96 Resp: 22949

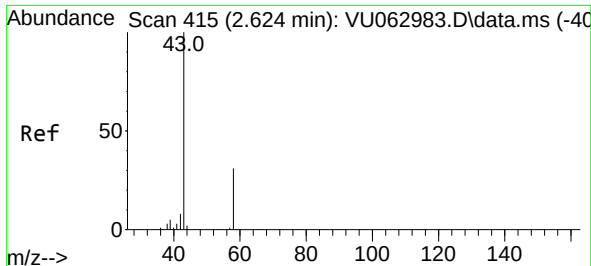
Ion Ratio Lower Upper

96 100

61 162.0 120.4 223.6

63 104.0 82.3 152.9





#13

Acetone

Concen: 44.190 ug/L

RT: 2.611 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

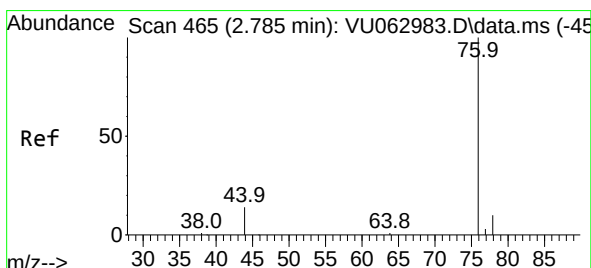
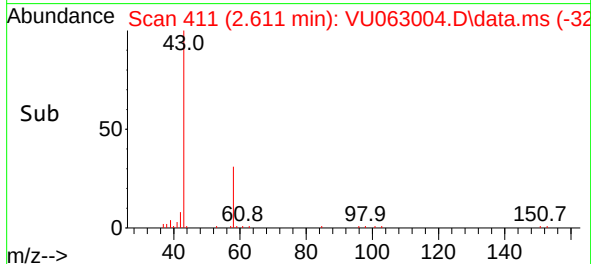
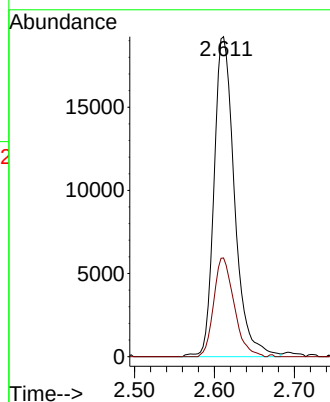
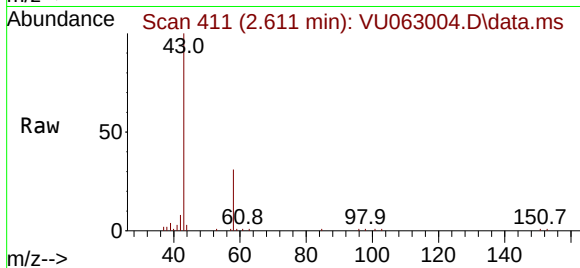
ClientSampleId :

Tgt Ion: 43 Resp: 34168

Ion Ratio Lower Upper

43 100

58 30.8 0.0 64.4



#14

Carbon disulfide

Concen: 3.836 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.003 min

Lab File: VU063004.D

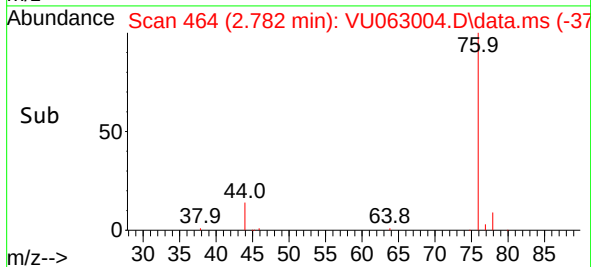
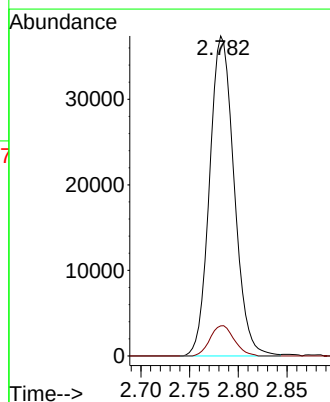
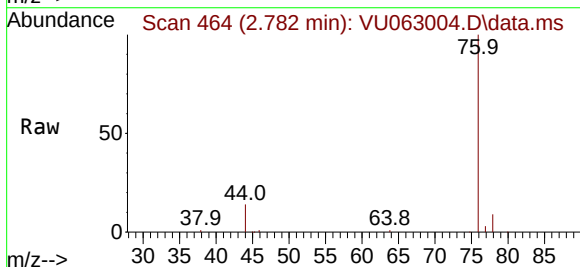
Acq: 24 Jan 2025 19:44

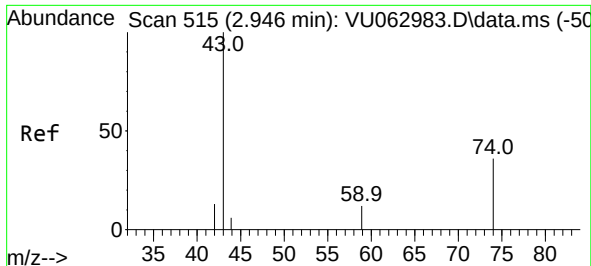
Tgt Ion: 76 Resp: 65591

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

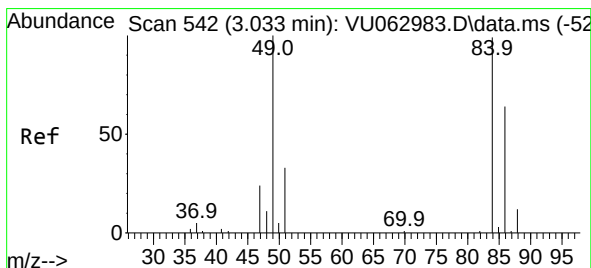
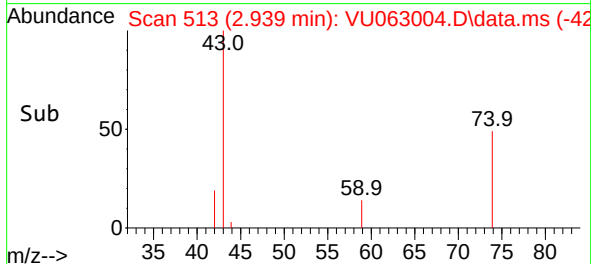
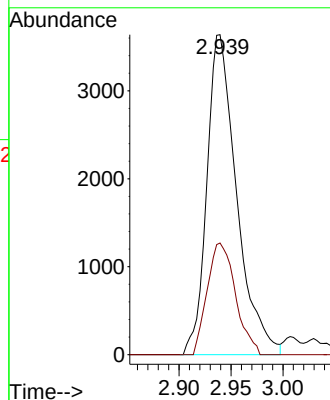
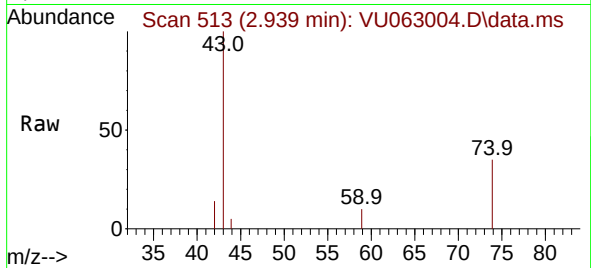




#15
Methyl Acetate
Concen: 4.333 ug/L
RT: 2.939 min Scan# 515
Delta R.T. -0.006 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

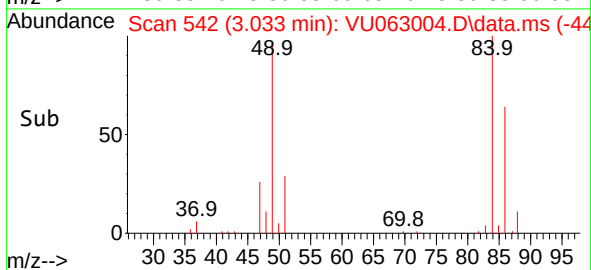
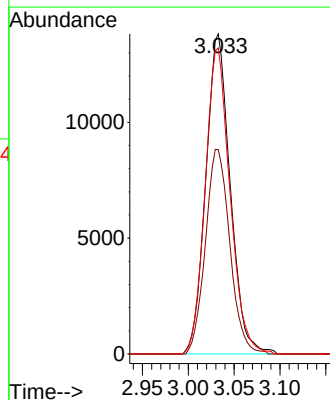
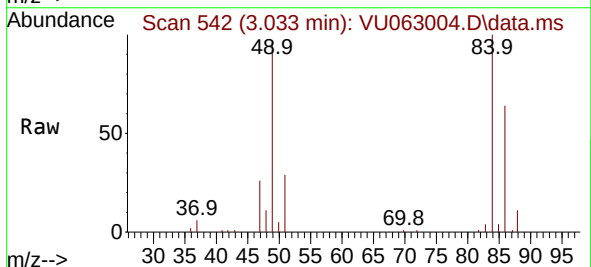
Instrument :
MSVOA_U
ClientSampleId :

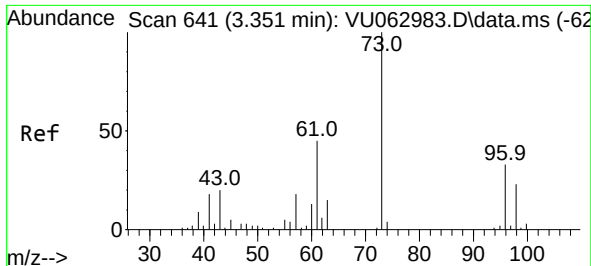
Tgt Ion: 43 Resp: 7254
Ion Ratio Lower Upper
43 100
74 33.1 24.4 36.6



#16
Methylene chloride
Concen: 4.367 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

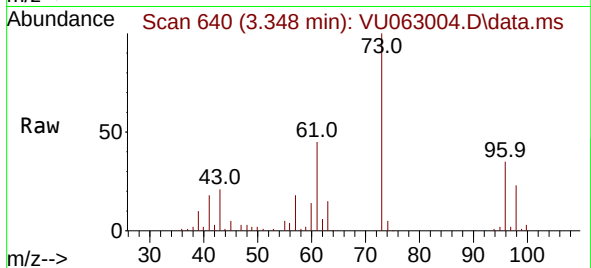
Tgt Ion: 84 Resp: 25609
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 95.7 68.3 126.9



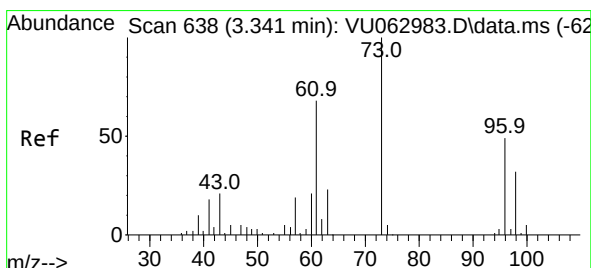
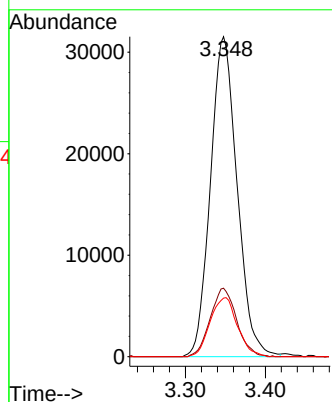
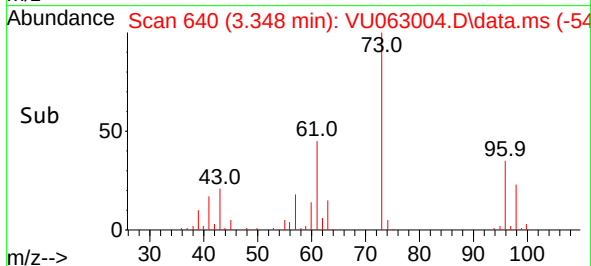


#17
Methyl tert-butyl Ether
Concen: 4.964 ug/L
RT: 3.348 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Instrument :
MSVOA_U
ClientSampleId :

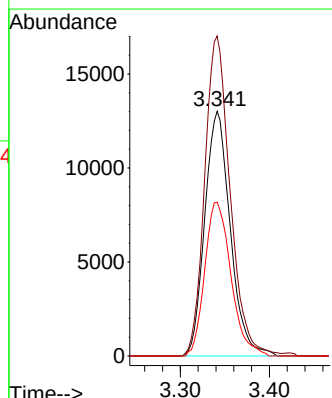
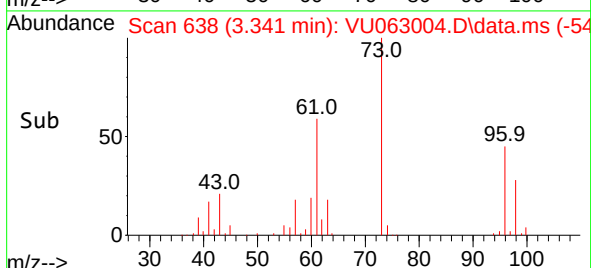
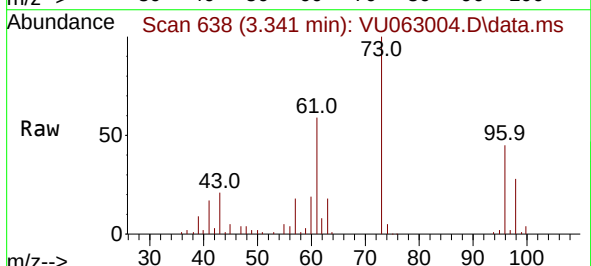


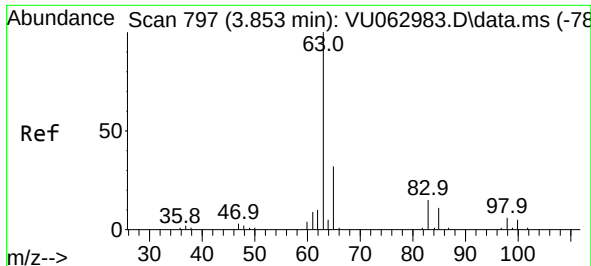
Tgt Ion: 73 Resp: 73031
Ion Ratio Lower Upper
73 100
43 21.2 16.2 24.4
57 18.9 14.6 22.0



#18
trans-1,2-Dichloroethene
Concen: 4.520 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

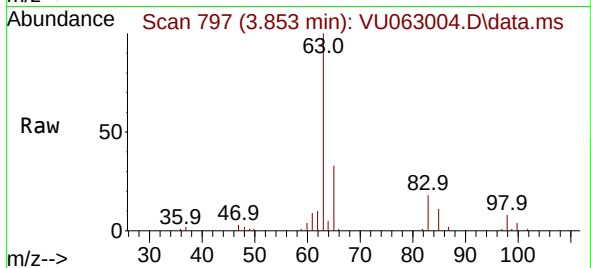
Tgt Ion: 96 Resp: 25921
Ion Ratio Lower Upper
96 100
61 130.8 94.4 175.2
98 62.9 42.8 79.4



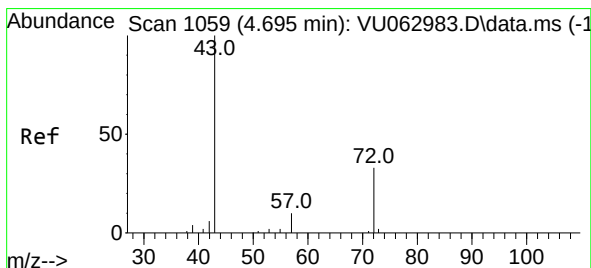
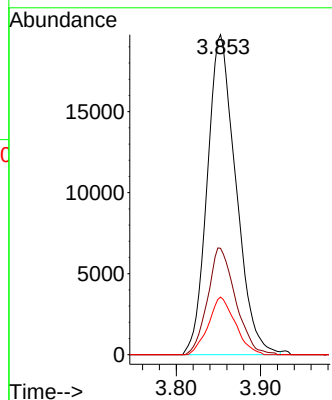
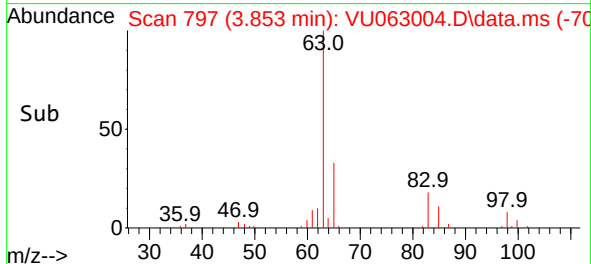


#19
1,1-Dichloroethane
Concen: 4.543 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Instrument :
MSVOA_U
ClientSampleId :

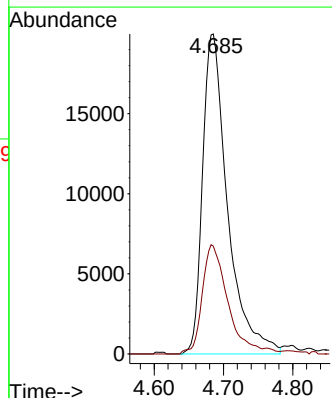
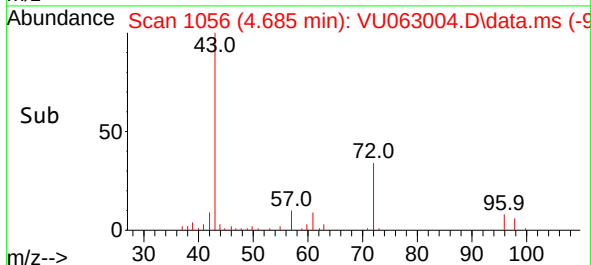
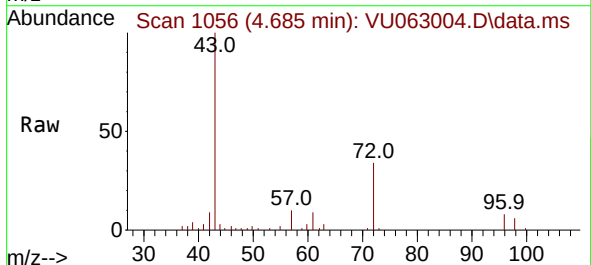


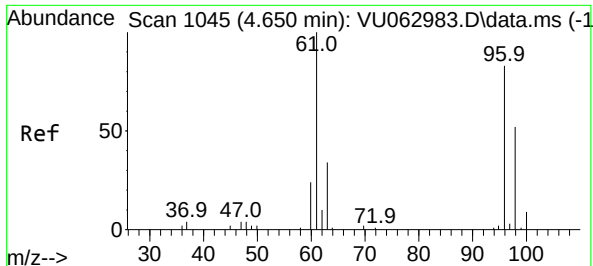
Tgt Ion: 63 Resp: 46586
Ion Ratio Lower Upper
63 100
65 33.3 20.7 38.5
83 18.0 10.5 19.5



#21
2-Butanone
Concen: 48.529 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. -0.010 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion: 43 Resp: 49974
Ion Ratio Lower Upper
43 100
72 34.4 17.1 51.2





#22

cis-1,2-Dichloroethene

Concen: 4.774 ug/L

RT: 4.653 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

ClientSampleId :

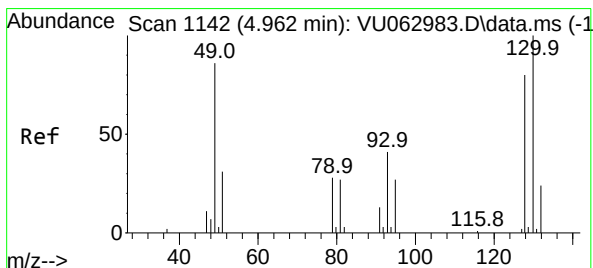
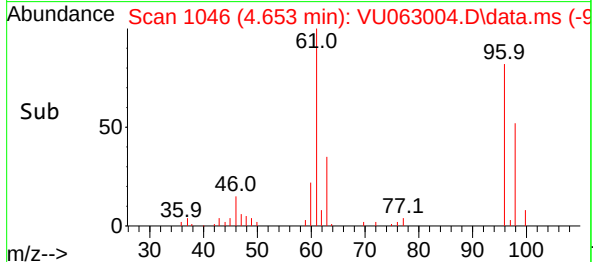
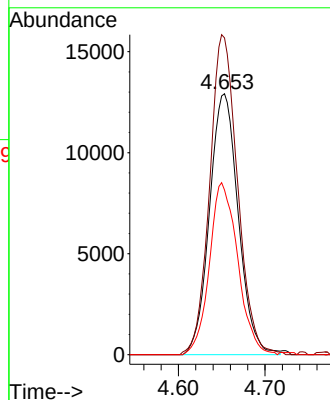
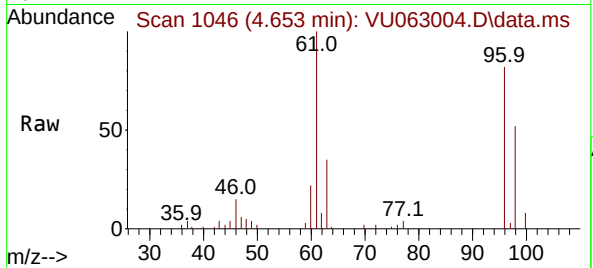
Tgt Ion: 96 Resp: 29817

Ion Ratio Lower Upper

96 100

61 121.4 84.8 157.6

98 63.1 43.1 80.1



#23

Bromochloromethane

Concen: 5.026 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Tgt Ion:128 Resp: 14817

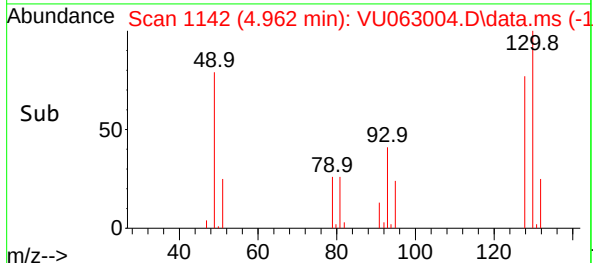
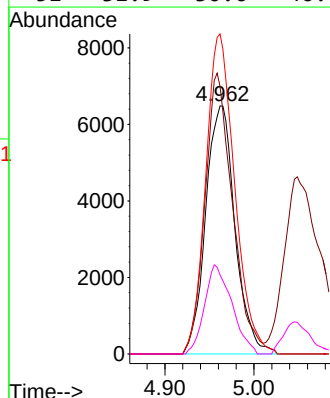
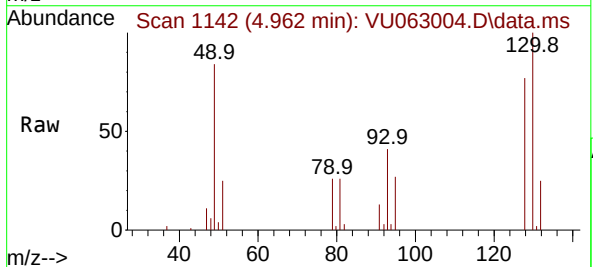
Ion Ratio Lower Upper

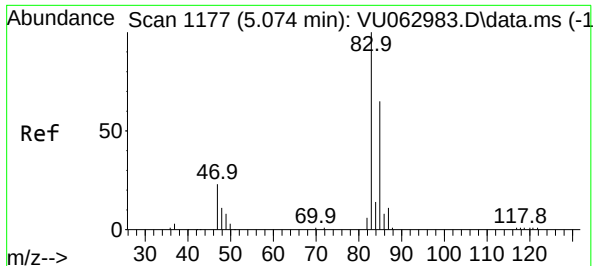
128 100

49 107.9 81.1 150.7

130 129.1 94.9 176.3

51 31.9 30.6 46.0





#25

Chloroform

Concen: 4.640 ug/L

RT: 5.071 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

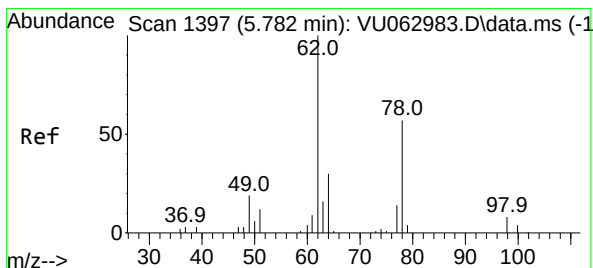
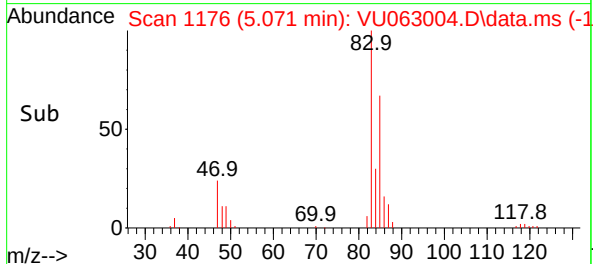
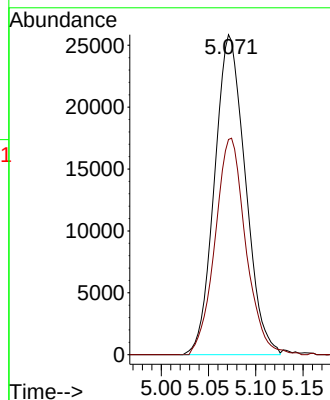
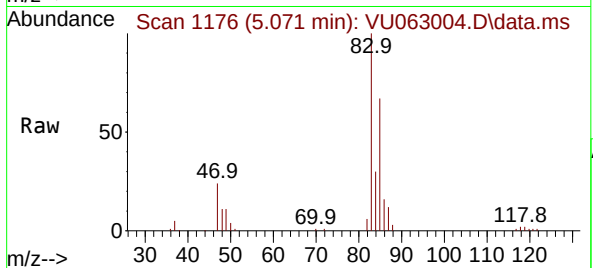
ClientSampleId :

Tgt Ion: 83 Resp: 58552

Ion Ratio Lower Upper

83 100

85 67.3 45.8 85.2



#27

1,2-Dichloroethane

Concen: 5.026 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VU063004.D

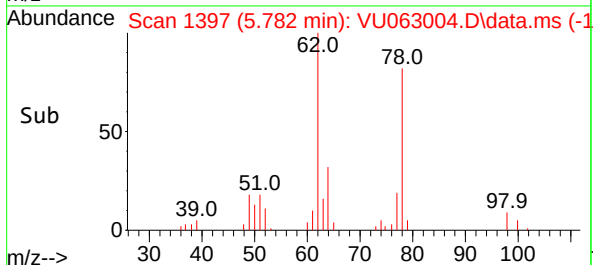
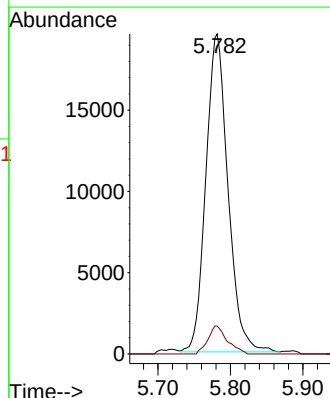
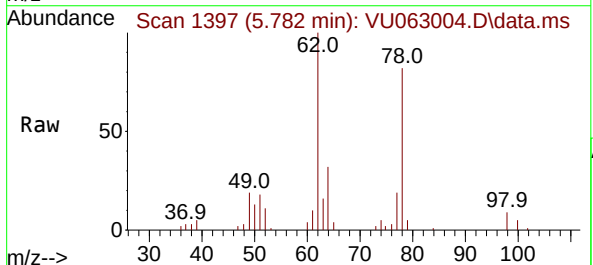
Acq: 24 Jan 2025 19:44

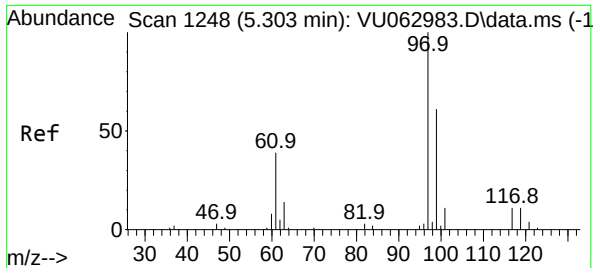
Tgt Ion: 62 Resp: 41469

Ion Ratio Lower Upper

62 100

98 8.7 5.8 8.6#





#29

1,1,1-Trichloroethane

Concen: 5.016 ug/L

RT: 5.303 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

ClientSampleId :

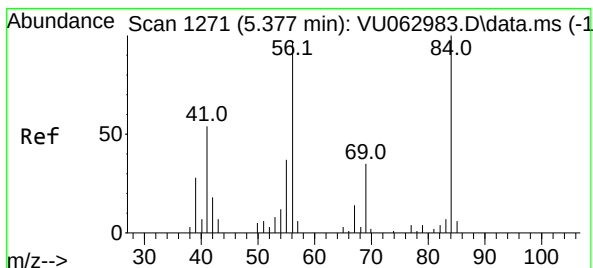
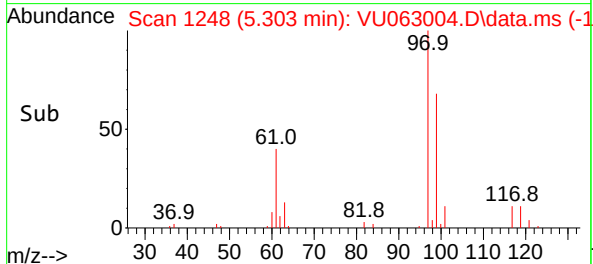
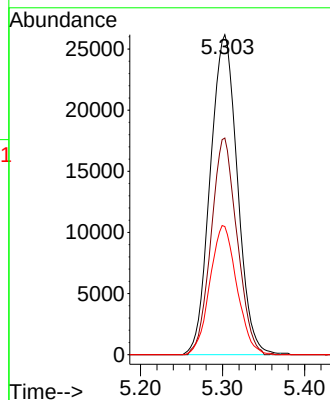
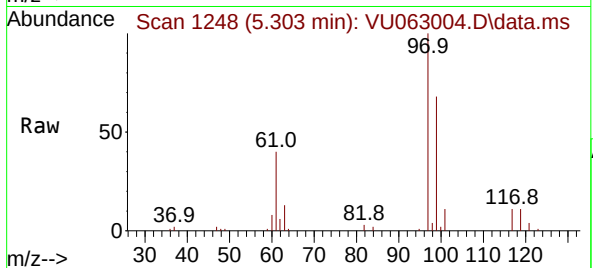
Tgt Ion: 97 Resp: 60225

Ion Ratio Lower Upper

97 100

99 64.8 52.4 78.6

61 40.1 32.2 48.4



#30

Cyclohexane

Concen: 3.991 ug/L

RT: 5.373 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

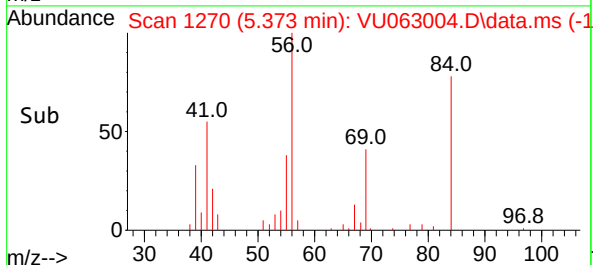
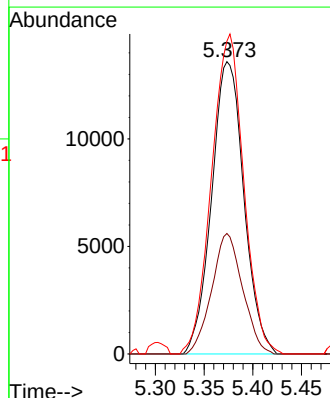
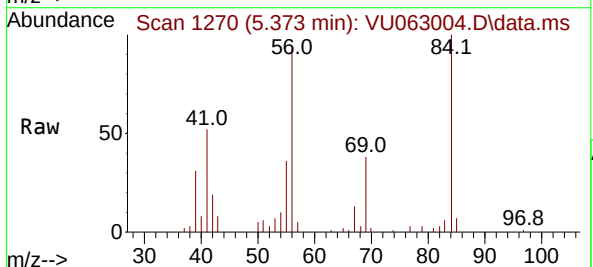
Tgt Ion: 56 Resp: 31292

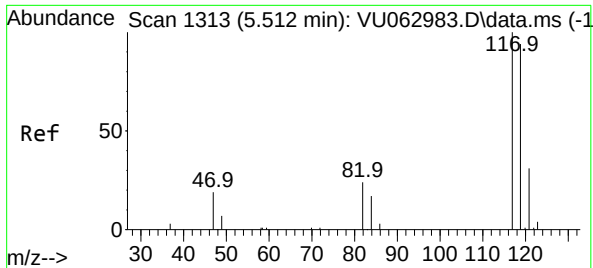
Ion Ratio Lower Upper

56 100

69 39.4 28.3 42.5

84 109.3 76.5 114.7

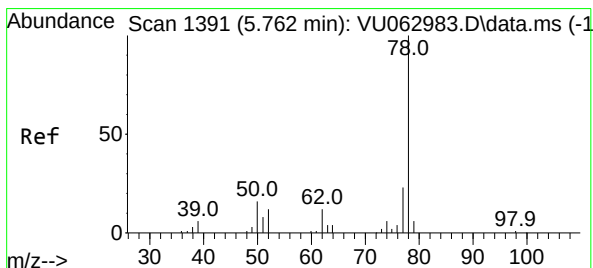
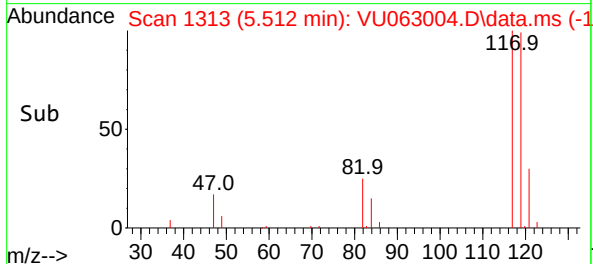
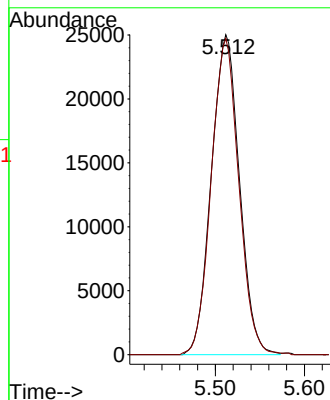
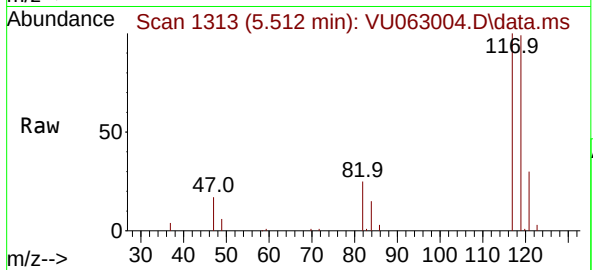




#31
Carbon tetrachloride
Concen: 4.964 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

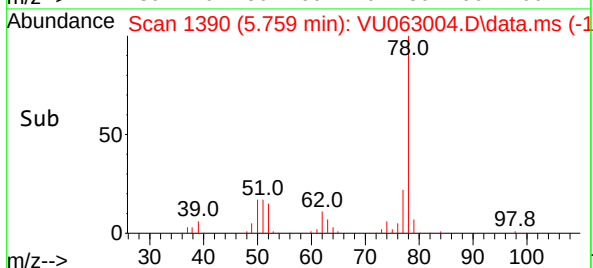
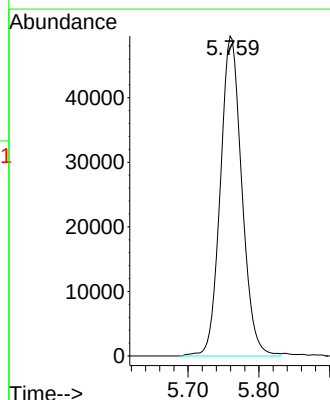
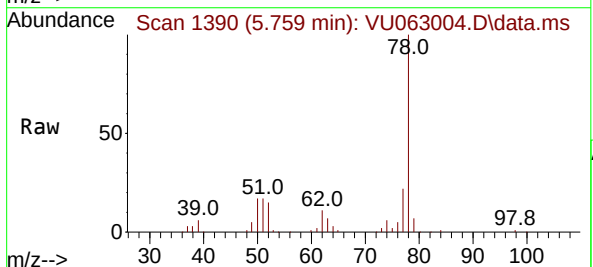
Instrument :
MSVOA_U
ClientSampleId :

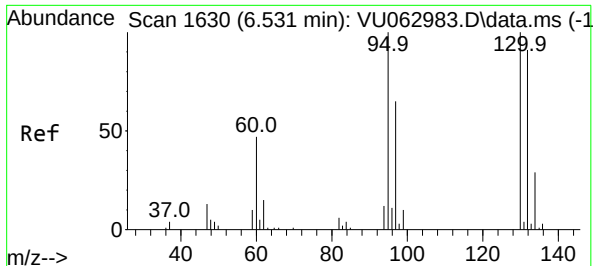
Tgt Ion:117 Resp: 54776
Ion Ratio Lower Upper
117 100
119 97.1 78.6 118.0



#33
Benzene
Concen: 4.595 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion: 78 Resp: 104503





#34

Trichloroethene

Concen: 4.114 ug/L

RT: 6.531 min Scan# 1630

Delta R.T. -0.000 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 31957

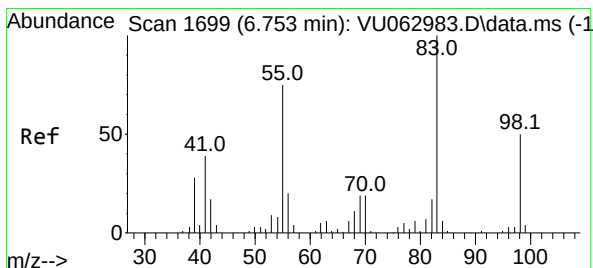
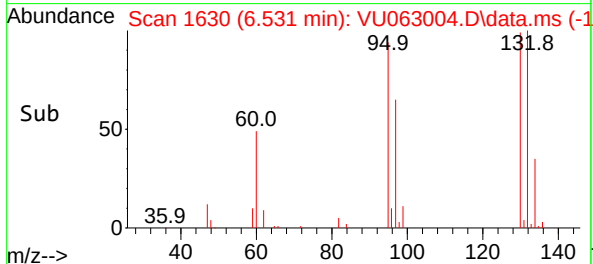
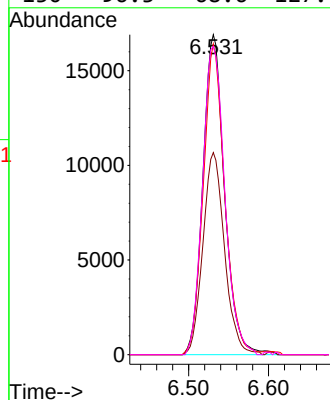
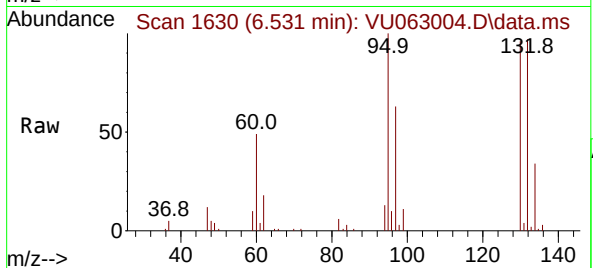
Ion Ratio Lower Upper

95 100

97 63.2 47.5 88.3

132 97.1 66.9 124.3

130 96.3 68.6 127.4



#35

Methylcyclohexane

Concen: 4.226 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

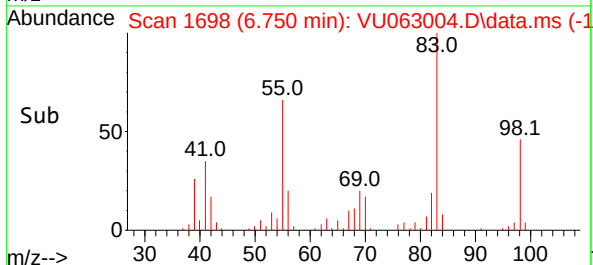
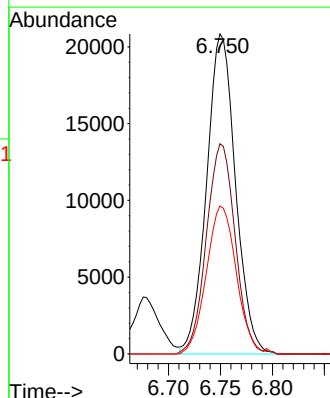
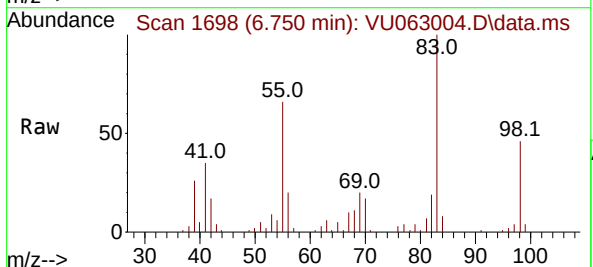
Tgt Ion: 83 Resp: 40395

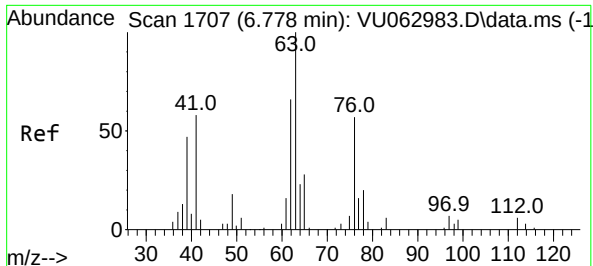
Ion Ratio Lower Upper

83 100

55 65.2 57.2 85.8

98 47.7 36.6 55.0

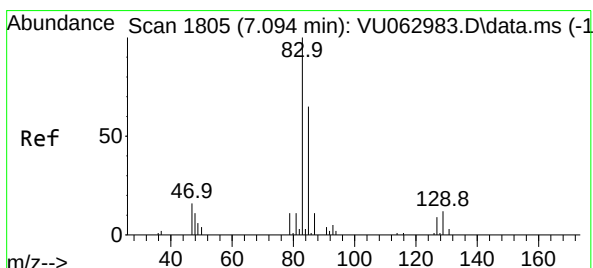
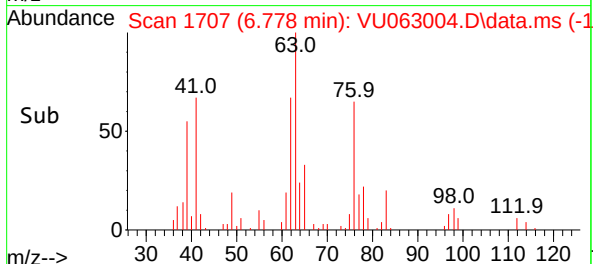
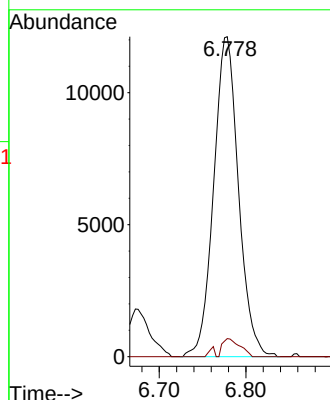
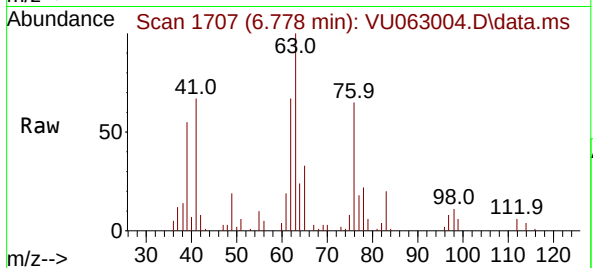




#37
1,2-Dichloropropane
Concen: 4.497 ug/L
RT: 6.778 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

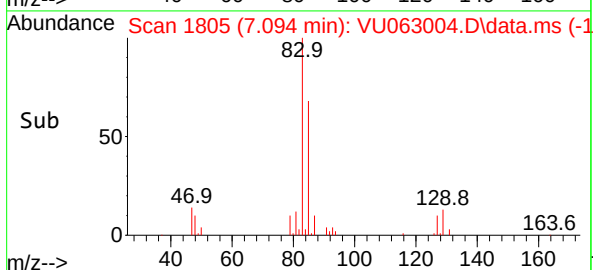
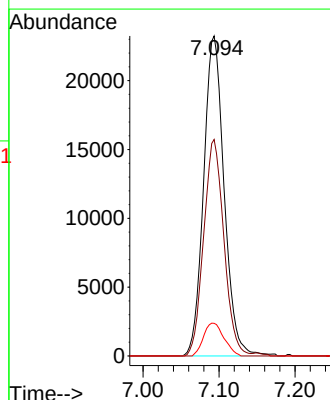
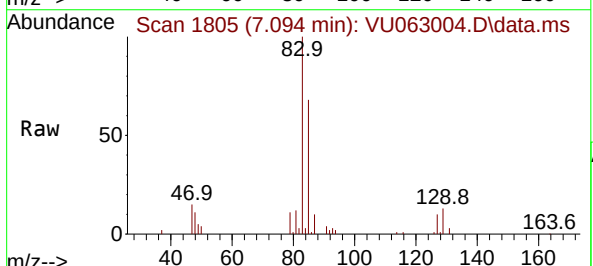
Instrument :
MSVOA_U
ClientSampleId :

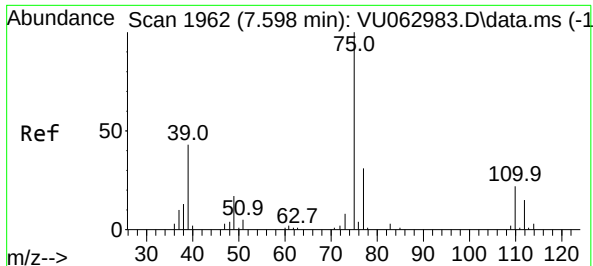
Tgt Ion: 63 Resp: 24128
Ion Ratio Lower Upper
63 100
112 4.0 3.8 5.8



#38
Bromodichloromethane
Concen: 5.054 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion: 83 Resp: 43602
Ion Ratio Lower Upper
83 100
85 67.7 44.2 82.0
127 10.2 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 4.558 ug/L

RT: 7.595 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

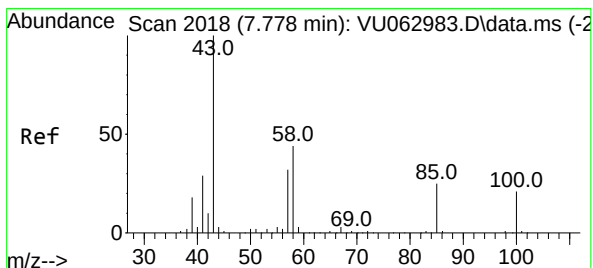
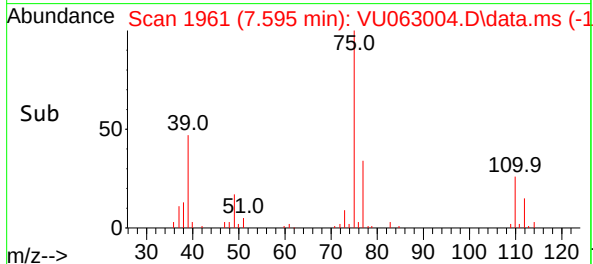
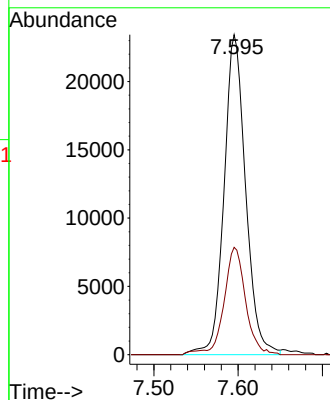
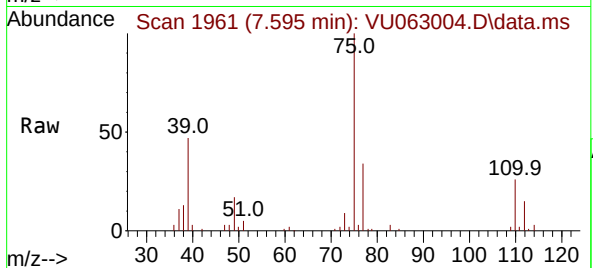
ClientSampleId :

Tgt Ion: 75 Resp: 41636

Ion Ratio Lower Upper

75 100

77 33.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 49.778 ug/L

RT: 7.775 min Scan# 2017

Delta R.T. -0.003 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

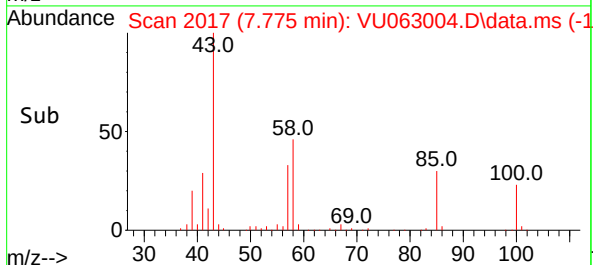
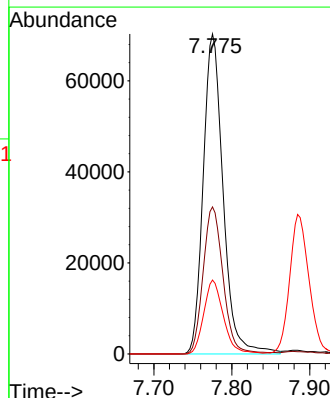
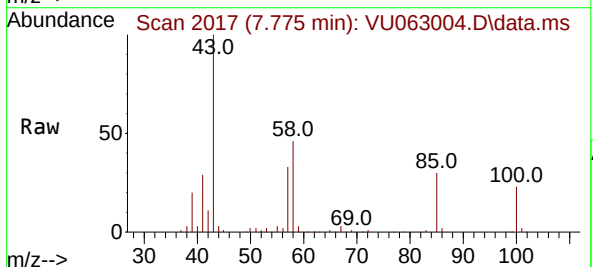
Tgt Ion: 43 Resp: 124746

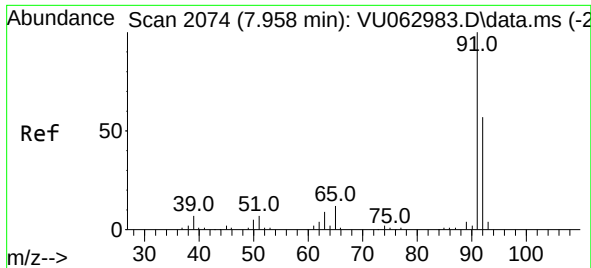
Ion Ratio Lower Upper

43 100

58 46.2 35.8 53.8

100 22.8 16.8 25.2





#42

Toluene

Concen: 4.750 ug/L

RT: 7.958 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

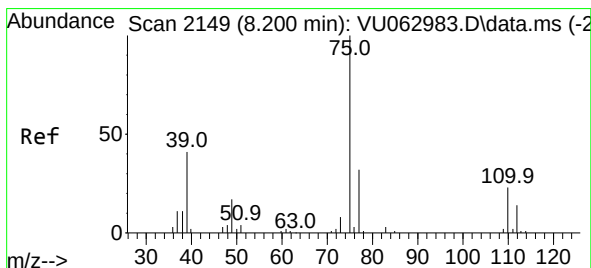
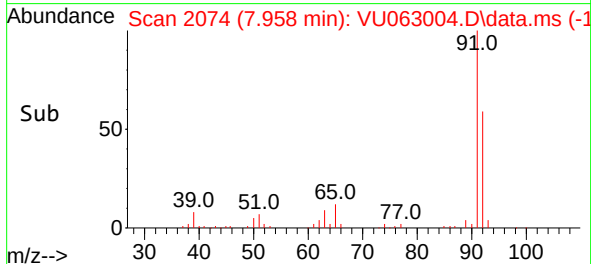
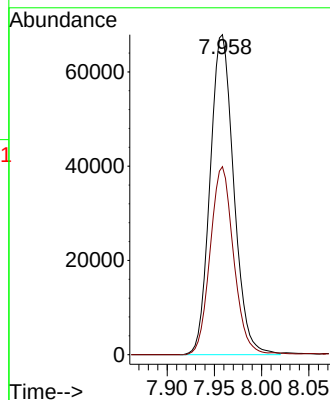
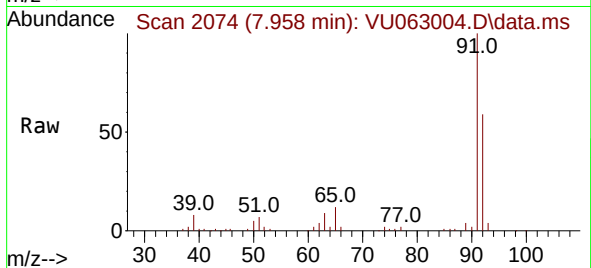
ClientSampleId :

Tgt Ion: 91 Resp: 118356

Ion Ratio Lower Upper

91 100

92 58.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.762 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU063004.D

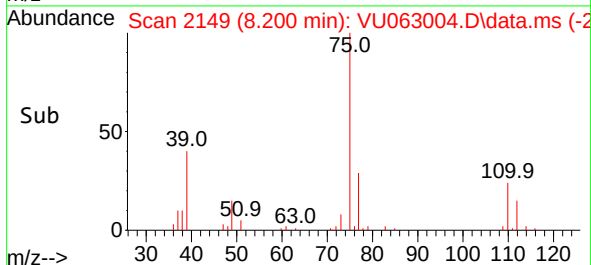
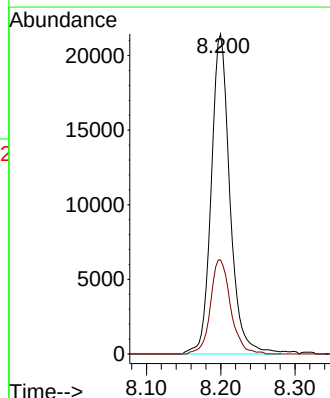
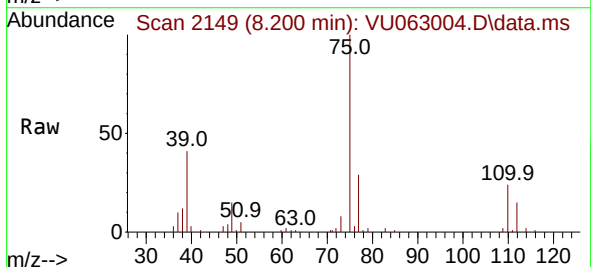
Acq: 24 Jan 2025 19:44

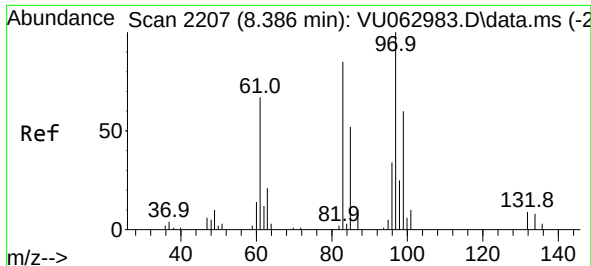
Tgt Ion: 75 Resp: 37498

Ion Ratio Lower Upper

75 100

77 29.4 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 5.129 ug/L

RT: 8.389 min Scan# 2207

Delta R.T. 0.003 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

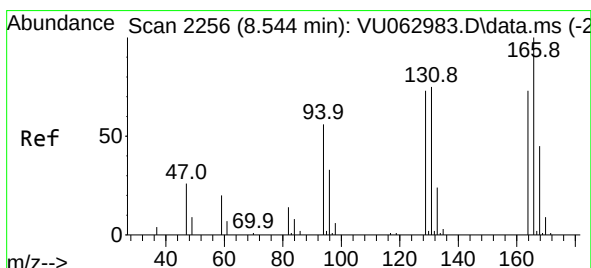
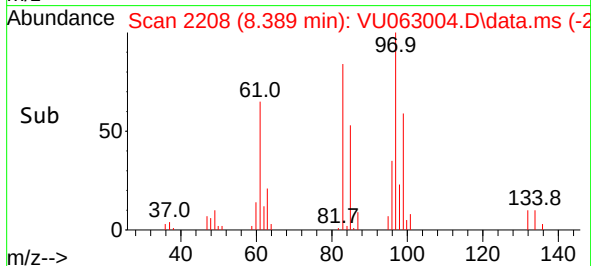
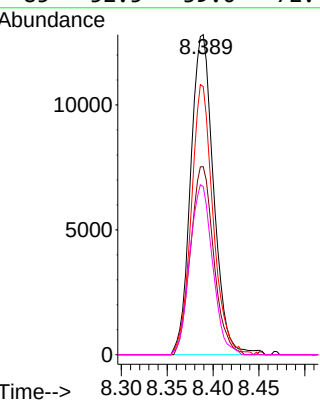
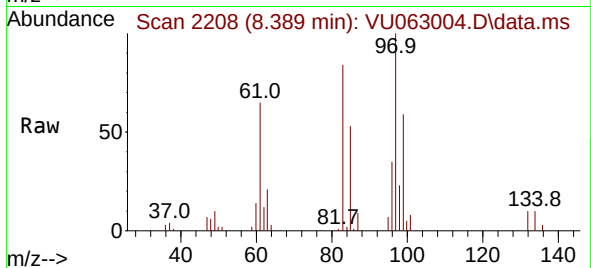
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 22347

Ion	Ratio	Lower	Upper
97	100		
99	58.7	45.6	84.6
83	83.8	63.0	117.0
85	52.5	39.0	72.4



#47

Tetrachloroethene

Concen: 4.945 ug/L

RT: 8.544 min Scan# 2256

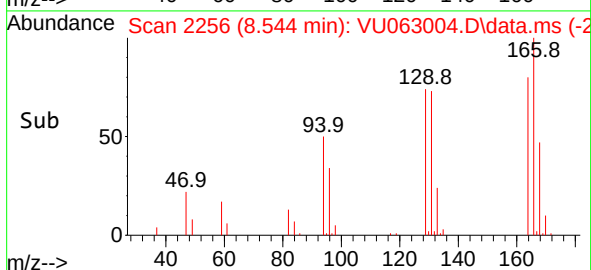
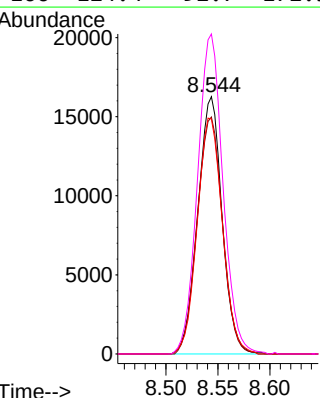
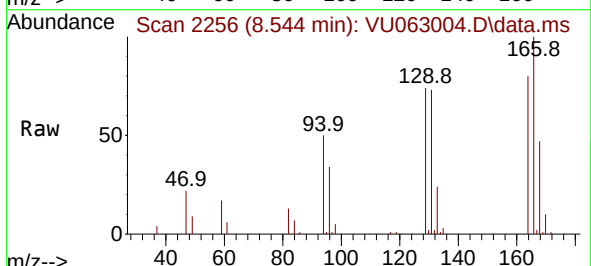
Delta R.T. -0.000 min

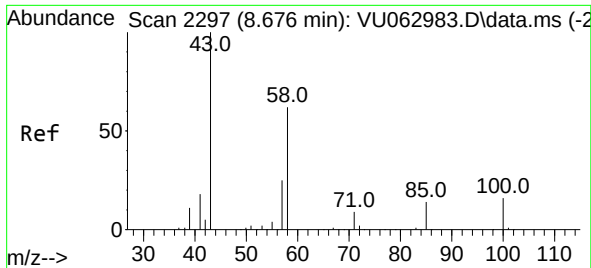
Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Tgt Ion:164 Resp: 26459

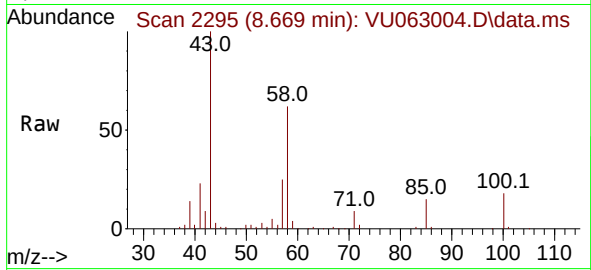
Ion	Ratio	Lower	Upper
164	100		
129	92.1	71.0	131.9
131	91.4	69.4	129.0
166	124.4	92.7	172.3



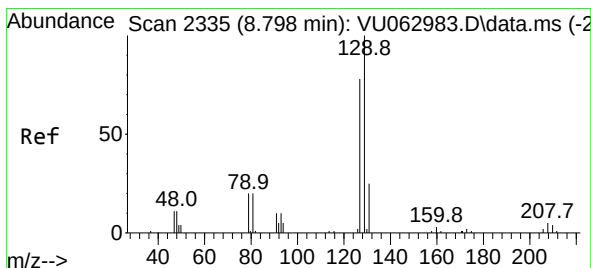
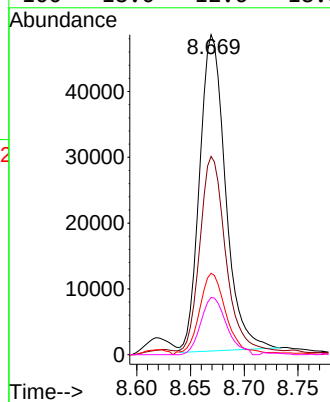
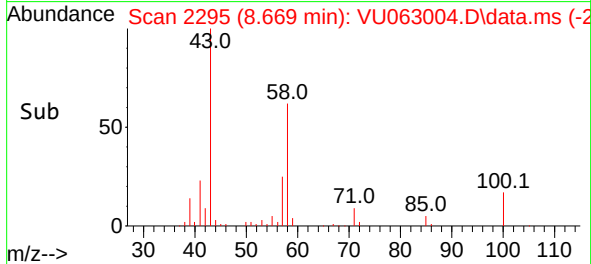


#48
2-Hexanone
Concen: 44.645 ug/L
RT: 8.669 min Scan# 2295
Delta R.T. -0.006 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Instrument :
MSVOA_U
ClientSampleId :

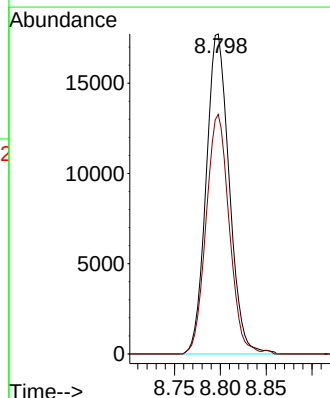
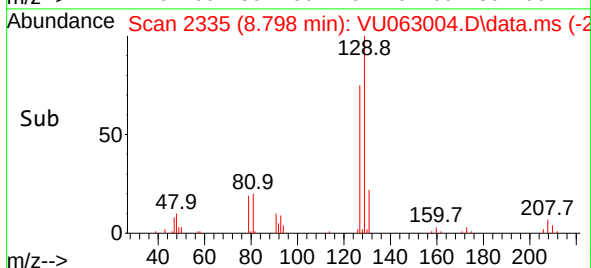
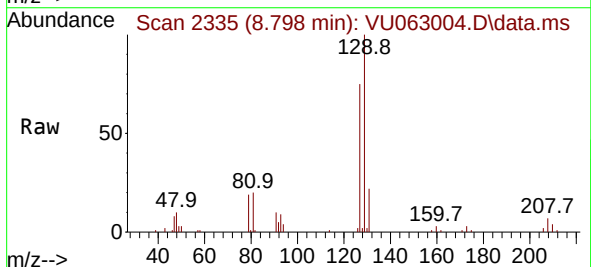


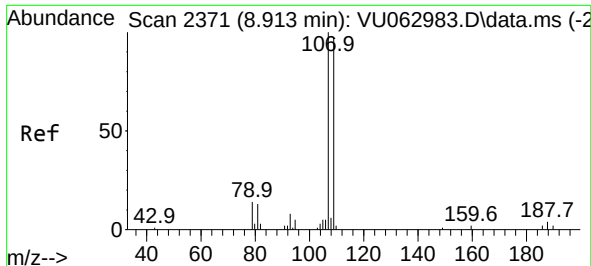
Tgt Ion: 43	Resp: 80434
Ion Ratio	Lower Upper
43 100	
58 62.0	50.2 75.4
57 27.5	19.9 29.9
100 18.0	12.6 18.8



#49
Dibromochloromethane
Concen: 5.309 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion:129	Resp: 31058		
Ion Ratio	Lower	Upper	
129 100			
127 74.9	52.1	96.9	

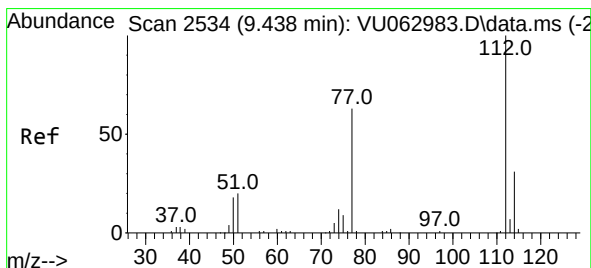
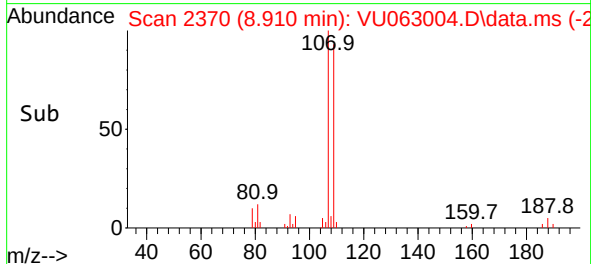
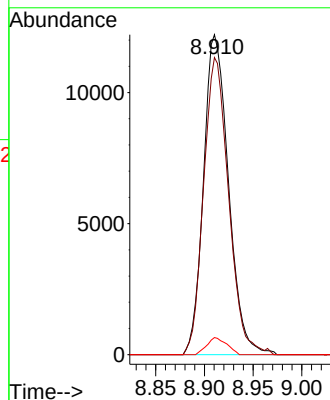
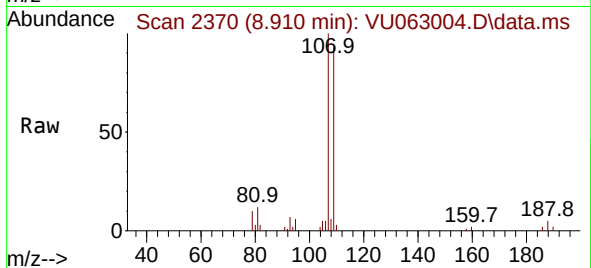




#50
1,2-Dibromoethane
Concen: 5.225 ug/L
RT: 8.910 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

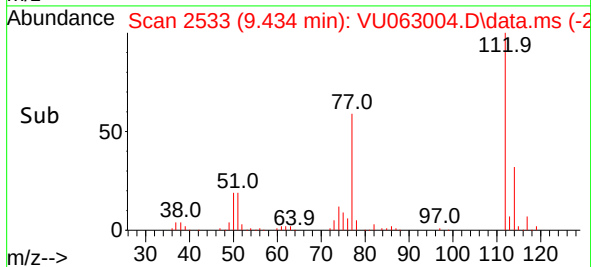
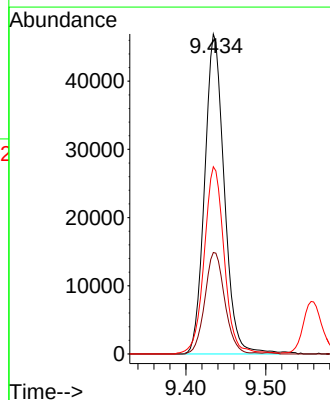
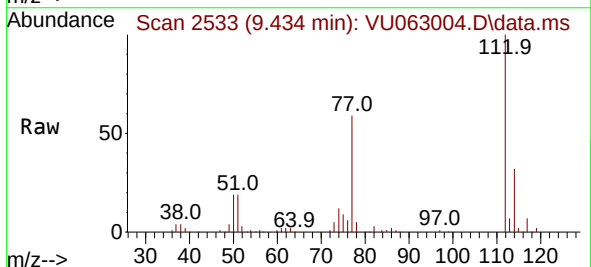
Instrument :
MSVOA_U
ClientSampleId :

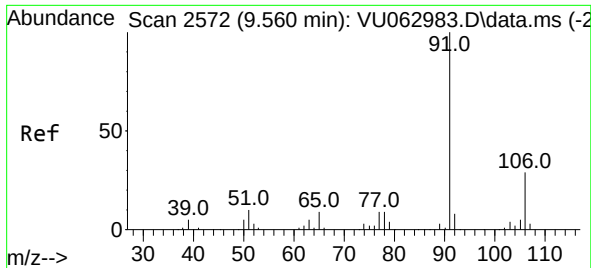
Tgt Ion:107 Resp: 21781
Ion Ratio Lower Upper
107 100
109 92.9 65.7 121.9
188 5.4 3.4 5.2#



#51
Chlorobenzene
Concen: 4.917 ug/L
RT: 9.434 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion:112 Resp: 80134
Ion Ratio Lower Upper
112 100
114 31.7 21.7 40.3
77 58.5 48.6 73.0

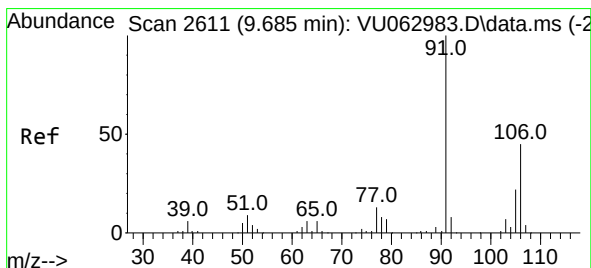
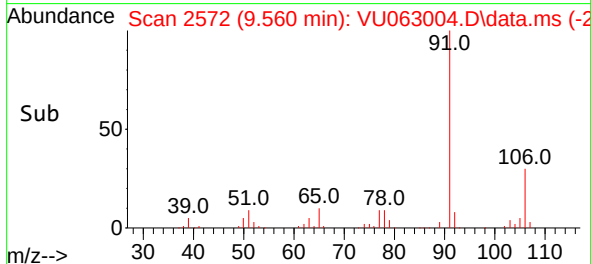
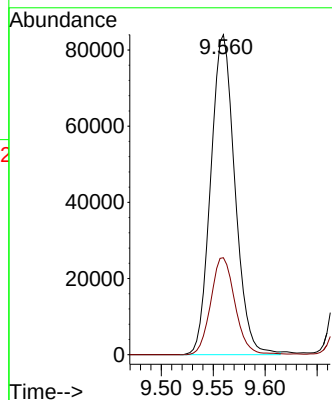
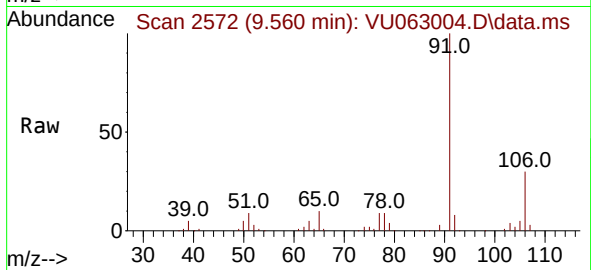




#52
Ethylbenzene
Concen: 4.810 ug/L
RT: 9.560 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

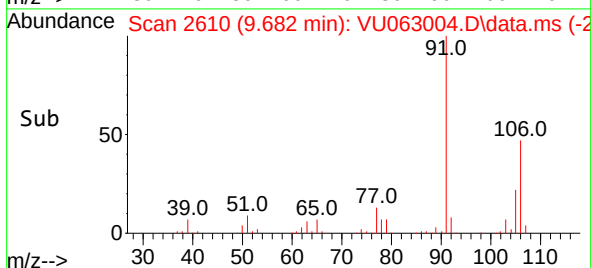
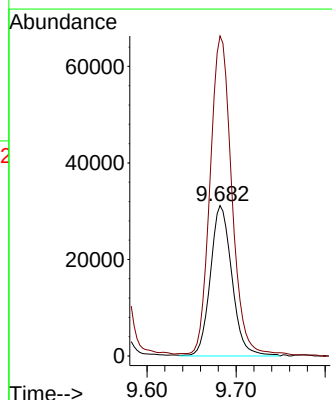
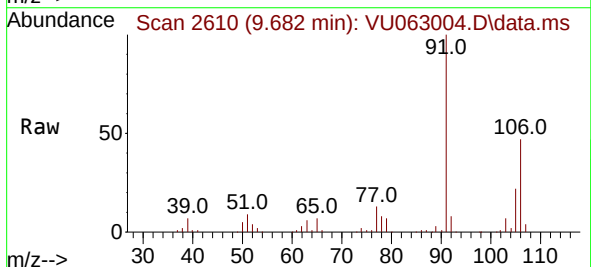
Instrument :
MSVOA_U
ClientSampleId :

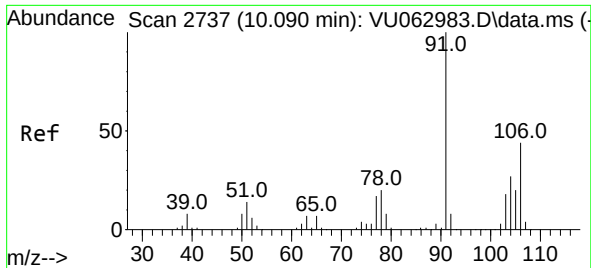
Tgt Ion: 91 Resp: 136019
Ion Ratio Lower Upper
91 100
106 30.3 21.9 40.7



#53
m,p-Xylene
Concen: 4.934 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion:106 Resp: 52183
Ion Ratio Lower Upper
106 100
91 212.7 153.1 284.3

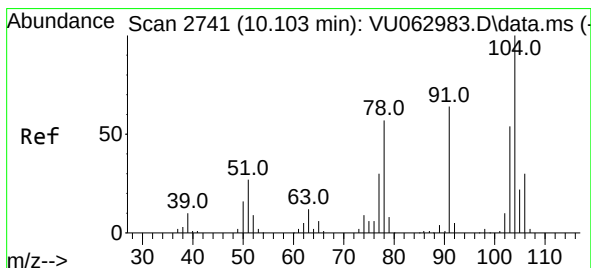
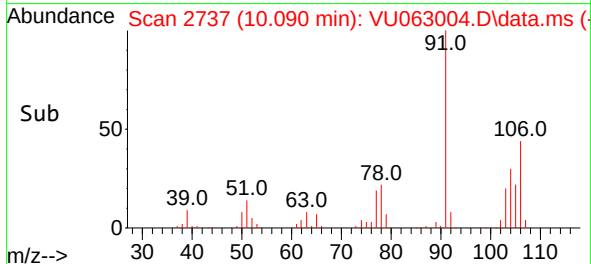
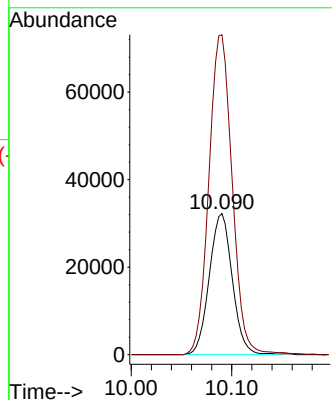
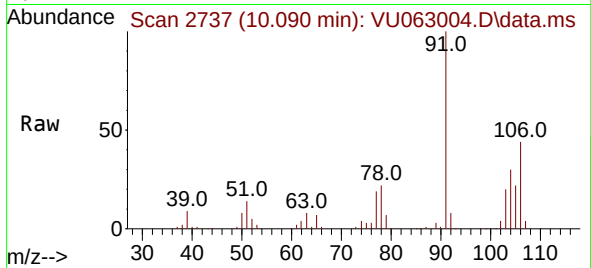




#54
o-Xylene
Concen: 5.058 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

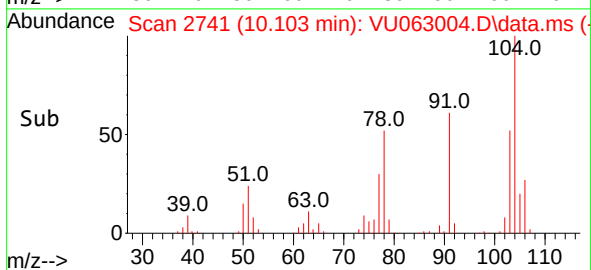
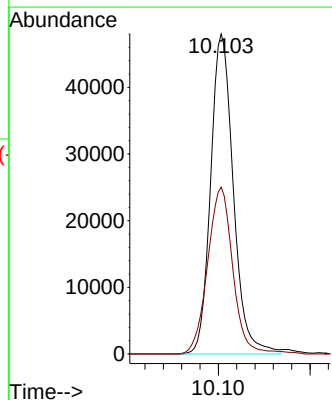
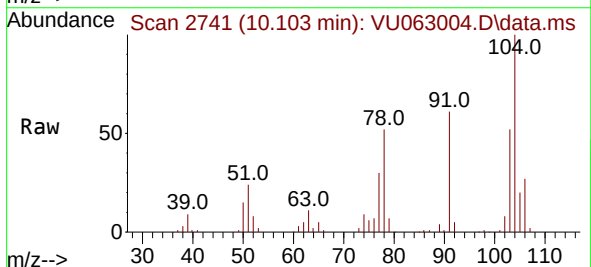
Instrument :
MSVOA_U
ClientSampleId :

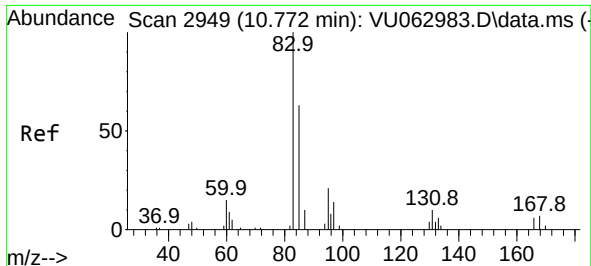
Tgt Ion:106 Resp: 51243
Ion Ratio Lower Upper
106 100
91 226.6 160.4 297.8



#55
Styrene
Concen: 4.871 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion:104 Resp: 82544
Ion Ratio Lower Upper
104 100
78 52.1 35.5 65.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.122 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

ClientSampleId :

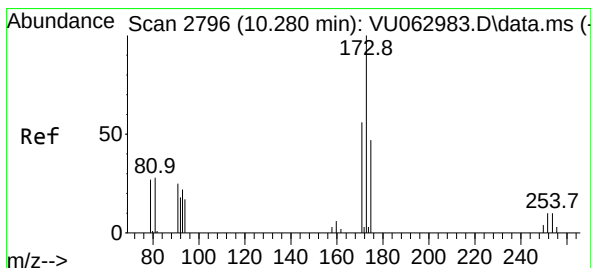
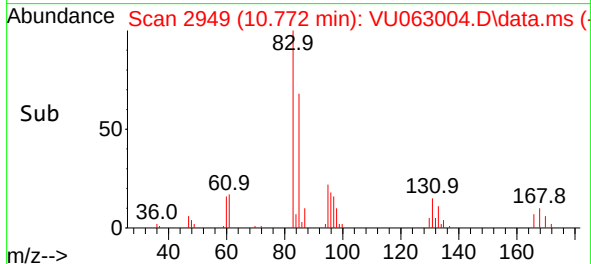
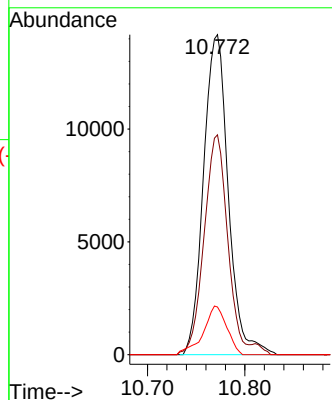
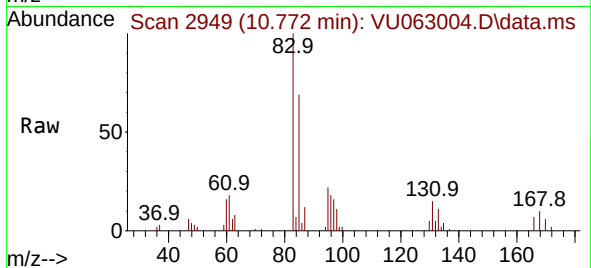
Tgt Ion: 83 Resp: 25036

Ion Ratio Lower Upper

83 100

85 68.7 43.0 79.8

131 14.9 7.4 11.0#



#59

Bromoform

Concen: 5.023 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.000 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

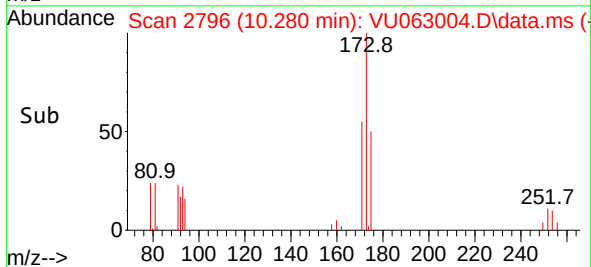
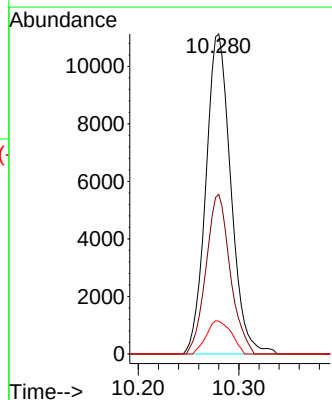
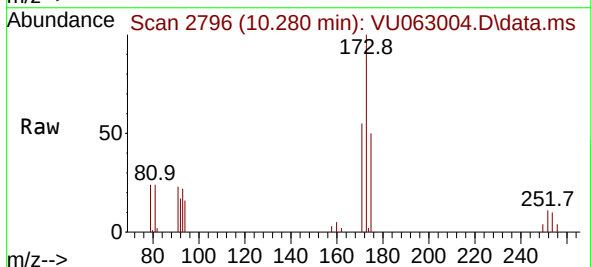
Tgt Ion:173 Resp: 19164

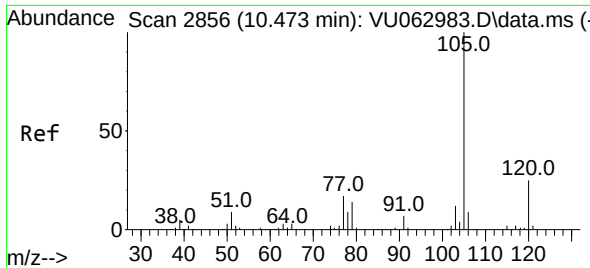
Ion Ratio Lower Upper

173 100

175 48.3 39.8 59.8

254 10.3 8.6 12.8

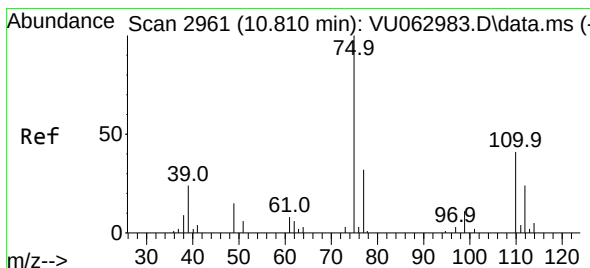
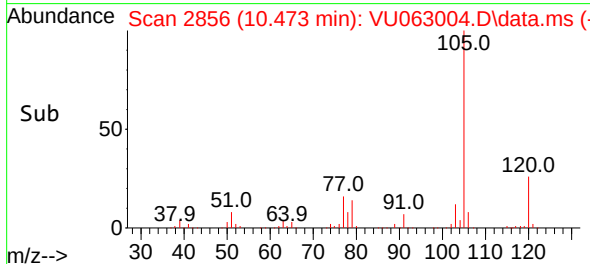
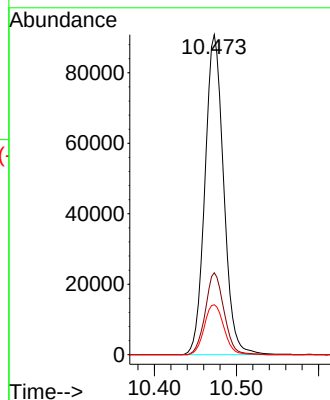
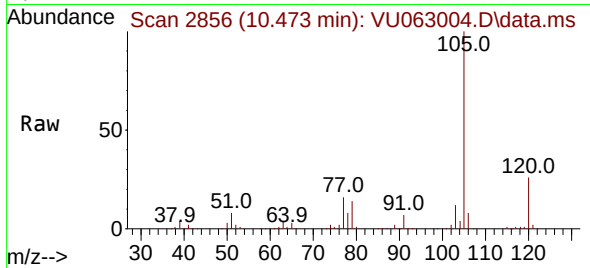




#60
Isopropylbenzene
Concen: 4.773 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

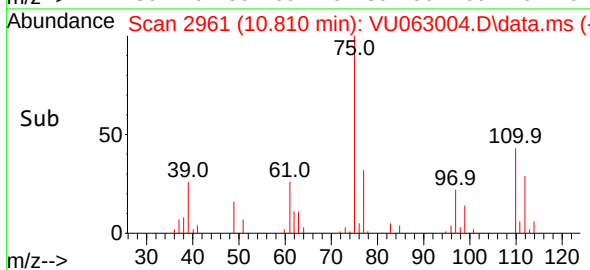
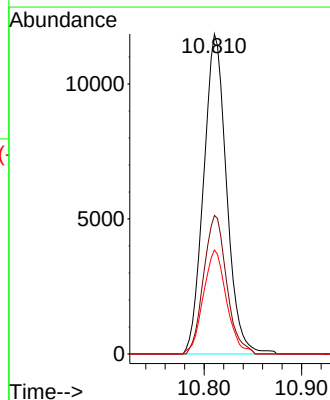
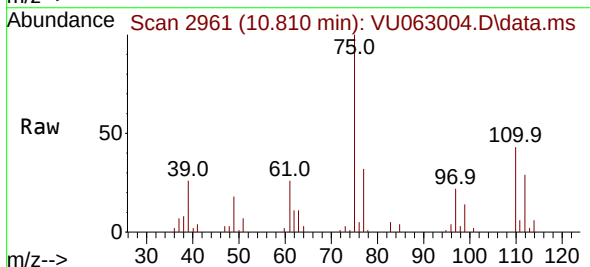
Instrument :
MSVOA_U
ClientSampleId :

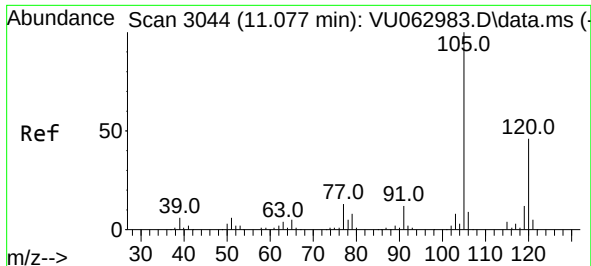
Tgt Ion:105 Resp: 143867
Ion Ratio Lower Upper
105 100
120 25.6 20.2 30.2
77 16.3 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 4.996 ug/L
RT: 10.810 min Scan# 2961
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion: 75 Resp: 19383
Ion Ratio Lower Upper
75 100
110 43.3 33.2 49.8
77 32.7 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 4.745 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. -0.000 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

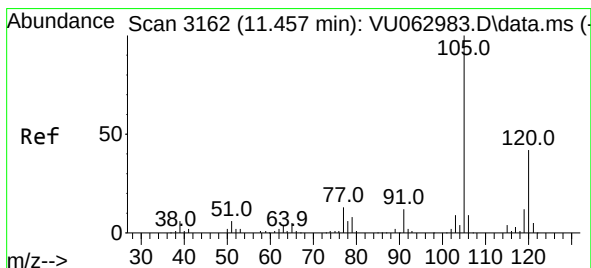
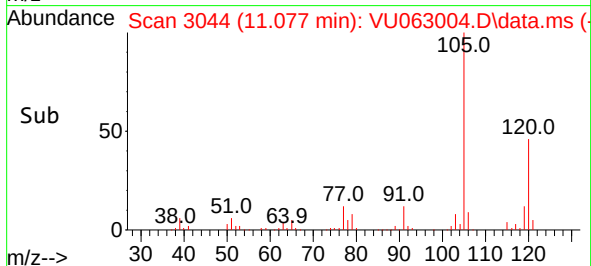
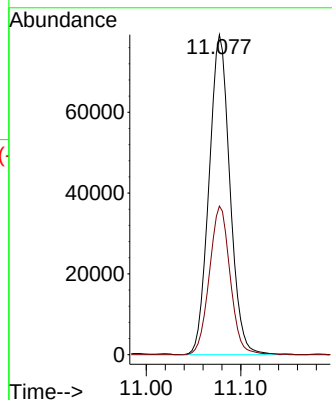
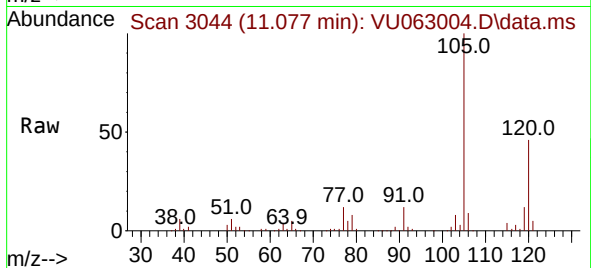
ClientSampleId :

Tgt Ion:105 Resp: 121559

Ion Ratio Lower Upper

105 100

120 46.2 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 4.756 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VU063004.D

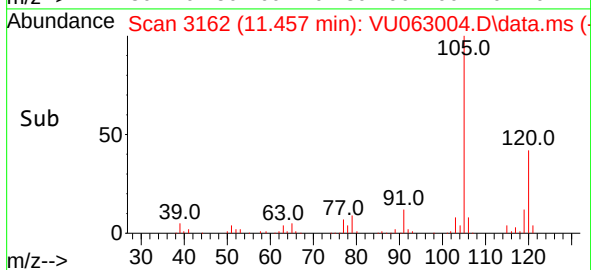
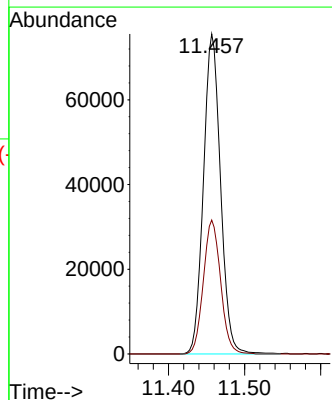
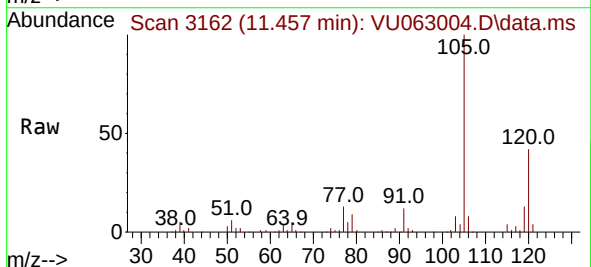
Acq: 24 Jan 2025 19:44

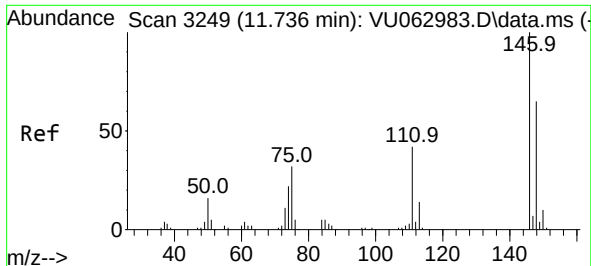
Tgt Ion:105 Resp: 117854

Ion Ratio Lower Upper

105 100

120 42.2 34.2 51.2

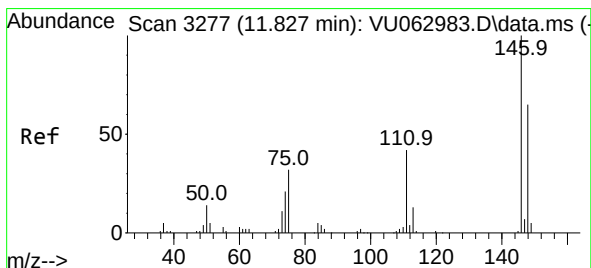
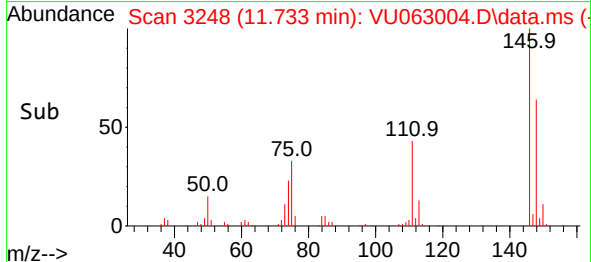
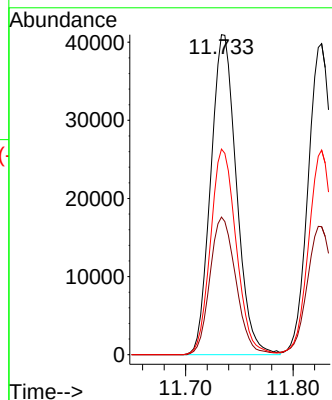
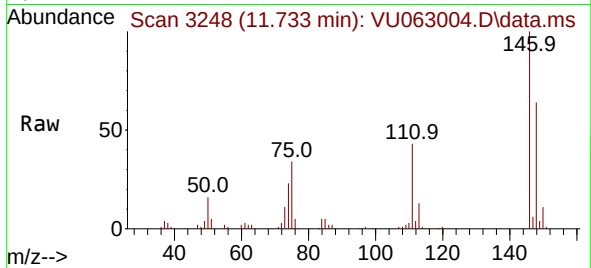




#64
1,3-Dichlorobenzene
Concen: 4.868 ug/L
RT: 11.733 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

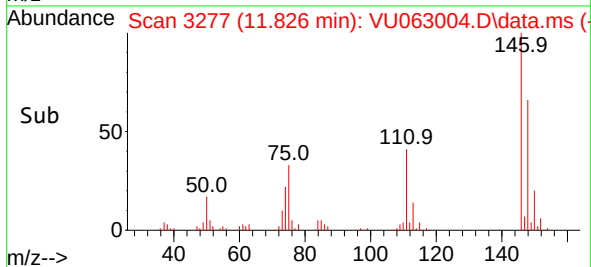
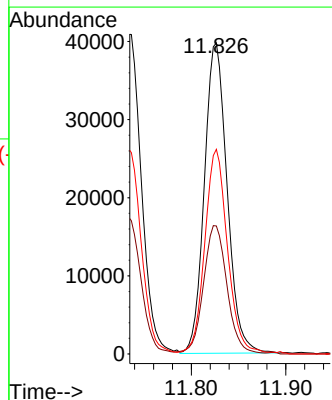
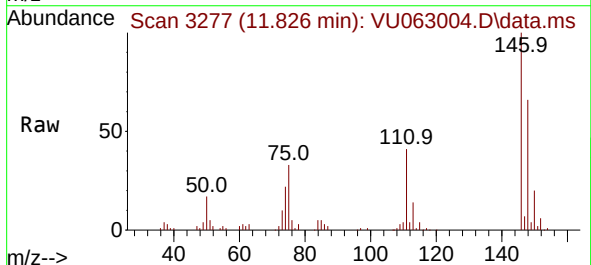
Instrument :
MSVOA_U
ClientSampleId :

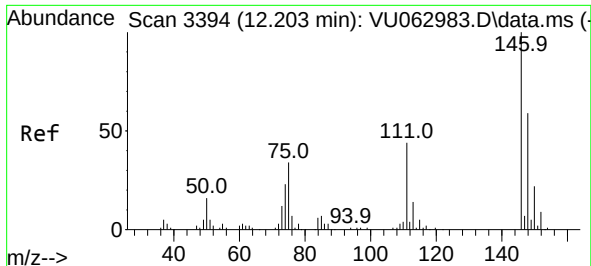
Tgt Ion:146 Resp: 68022
Ion Ratio Lower Upper
146 100
111 43.0 28.6 53.0
148 64.3 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 4.717 ug/L
RT: 11.826 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion:146 Resp: 66472
Ion Ratio Lower Upper
146 100
111 41.2 29.5 54.9
148 65.8 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 4.896 ug/L

RT: 12.199 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

Instrument :

MSVOA_U

ClientSampleId :

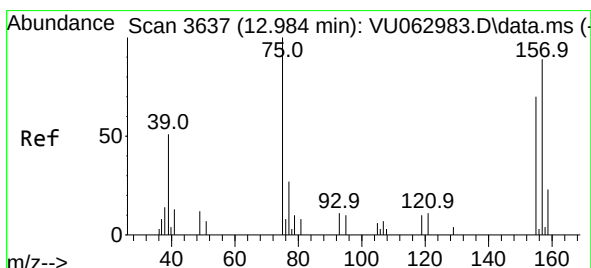
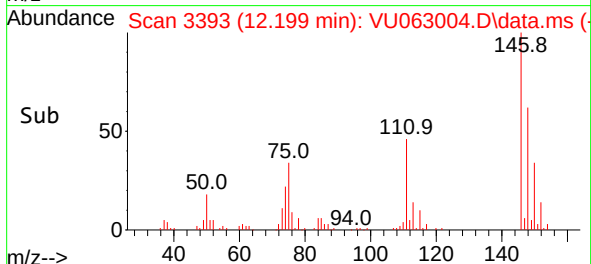
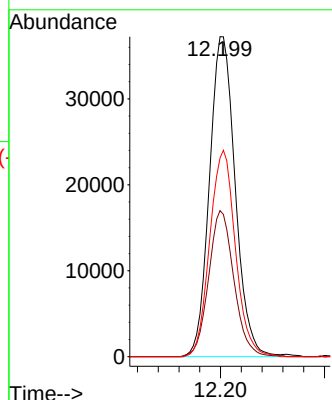
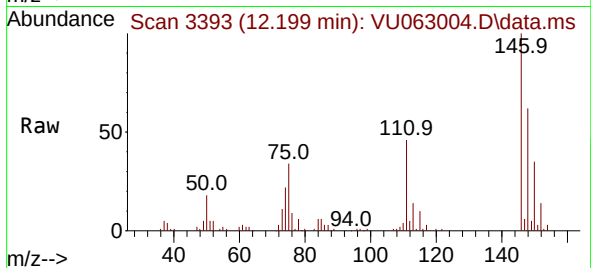
Tgt Ion:146 Resp: 64118

Ion Ratio Lower Upper

146 100

111 45.6 36.3 54.5

148 62.1 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.868 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.003 min

Lab File: VU063004.D

Acq: 24 Jan 2025 19:44

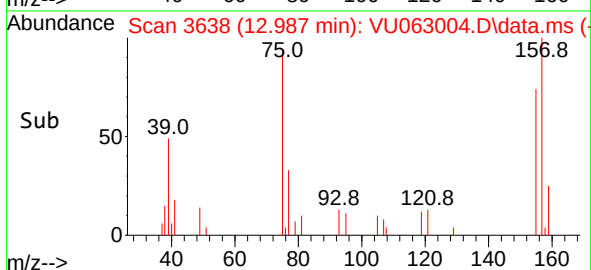
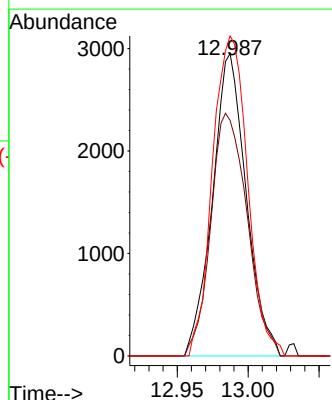
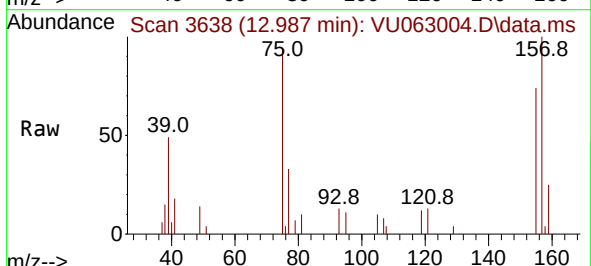
Tgt Ion: 75 Resp: 4892

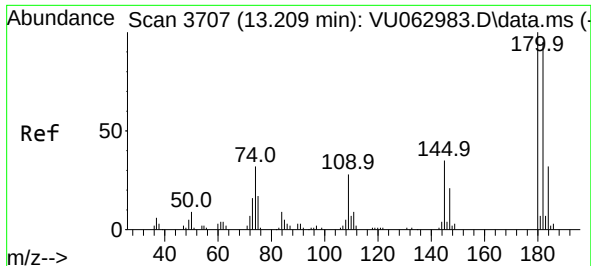
Ion Ratio Lower Upper

75 100

155 77.9 59.6 89.4

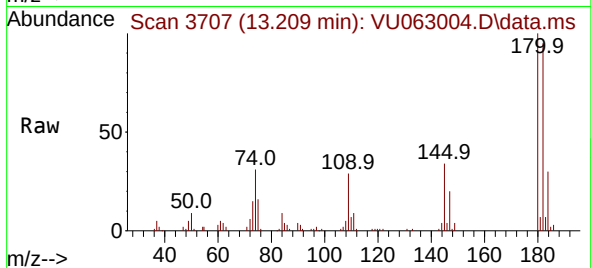
157 105.8 70.8 106.2



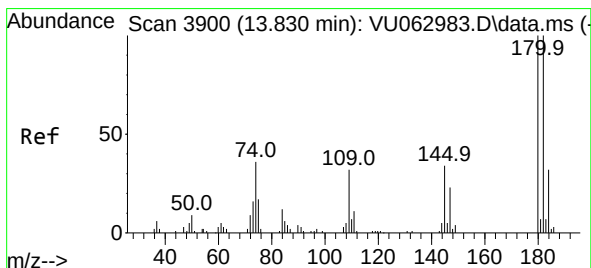
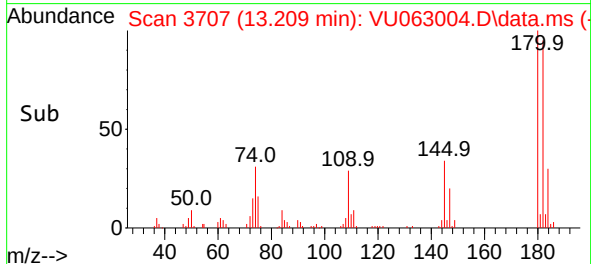
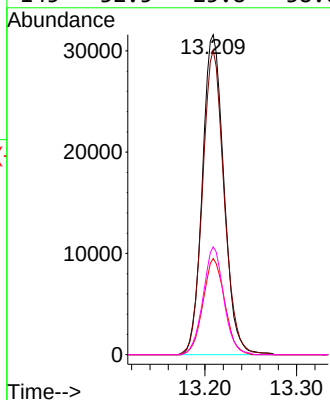


#69
 1,3,5-Trichlorobenzene
 Concen: 4.880 ug/L
 RT: 13.209 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063004.D
 Acq: 24 Jan 2025 19:44

Instrument :
 MSVOA_U
 ClientSampleId :

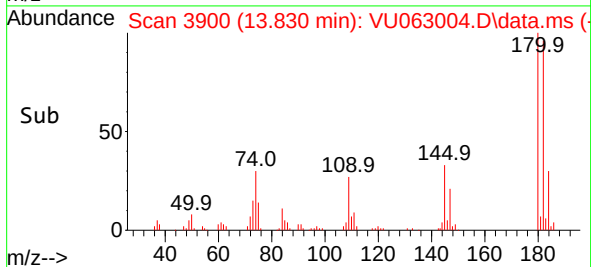
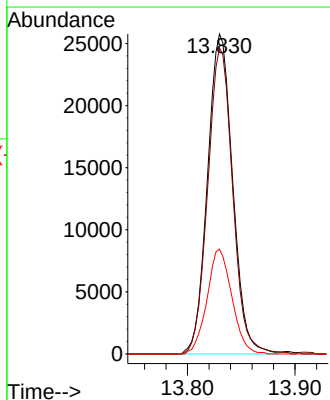
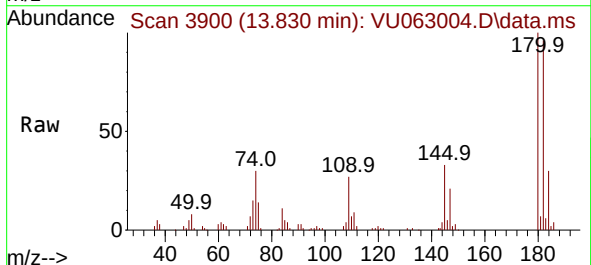


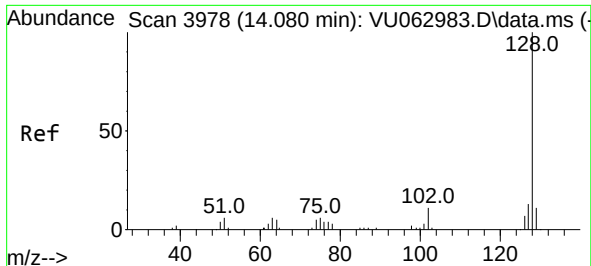
Tgt Ion:180 Resp: 51352
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.8 113.8
 184 30.3 24.7 37.1
 145 32.5 25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 4.939 ug/L
 RT: 13.830 min Scan# 3900
 Delta R.T. -0.000 min
 Lab File: VU063004.D
 Acq: 24 Jan 2025 19:44

Tgt Ion:180 Resp: 41861
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.1 115.7
 145 32.2 26.9 40.3

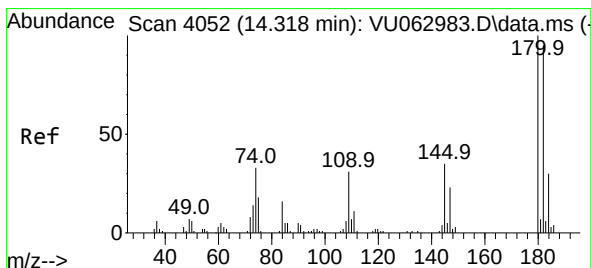
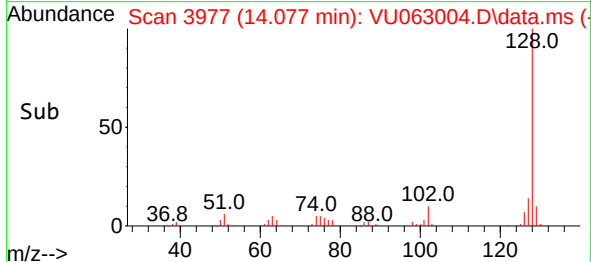
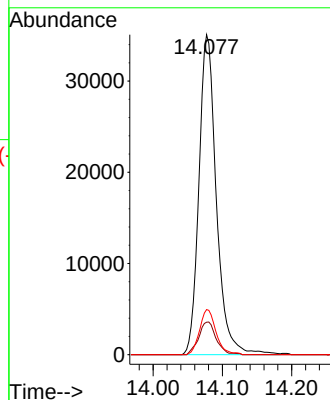
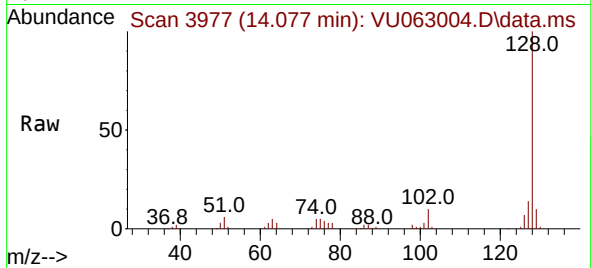




#71
Naphthalene
Concen: 4.953 ug/L
RT: 14.077 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 61427
Ion Ratio Lower Upper
128 100
129 10.3 8.5 12.7
127 13.3 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.920 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. -0.000 min
Lab File: VU063004.D
Acq: 24 Jan 2025 19:44

Tgt Ion:180 Resp: 36352
Ion Ratio Lower Upper
180 100
182 98.5 79.8 119.6
145 33.7 29.2 43.8

