

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
 Data File : VU063116.D
 Acq On : 04 Feb 2025 12:13
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5080

Quant Time: Feb 05 07:28:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 05 07:27:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	174097	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	163452	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	71278	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	5036	0.436	ug/L	0.00
7) Chloroethane-d5	1.901	69	4583	0.471	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	2235	0.442	ug/L	0.00
20) 2-Butanone-d5	4.634	46	10151	3.607	ug/L	0.03
24) Chloroform-d	5.052	84	10360	0.438	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	5366	0.482	ug/L	0.00
32) Benzene-d6	5.721	84	20678	0.449	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	6843	0.449	ug/L	0.00
41) Toluene-d8	7.891	98	17297	0.419	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	2434	0.429	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	10210	4.082	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	5571	0.443	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	6018	0.481	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	8234	0.707	ug/L	99
3) Chloromethane	1.518	50	8599	0.613	ug/L	99
5) Vinyl chloride	1.599	62	8441	0.577	ug/L	98
6) Bromomethane	1.843	94	4211	0.535	ug/L	97
8) Chloroethane	1.923	64	5389	0.620	ug/L	95
9) Trichlorofluoromethane	2.129	101	9760	0.516	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	6453	0.536	ug/L	96
12) 1,1-Dichloroethene	2.570	96	5771	0.518	ug/L	95
13) Acetone	2.618	43	10762	6.344	ug/L	96
14) Carbon disulfide	2.782	76	21219	0.630	ug/L	99
15) Methyl Acetate	2.946	43	2712	0.605	ug/L #	85
16) Methylene chloride	3.033	84	7308	0.567	ug/L	92
17) Methyl tert-butyl Ether	3.354	73	15186	0.514	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	6207	0.548	ug/L	93
19) 1,1-Dichloroethane	3.853	63	12522	0.548	ug/L	94
21) 2-Butanone	4.708	43	14983	5.376	ug/L	100
22) cis-1,2-Dichloroethene	4.656	96	6302	0.463	ug/L	94
23) Bromochloromethane	4.968	128	2955	0.513	ug/L	91
25) Chloroform	5.078	83	12359	0.524	ug/L	95
27) 1,2-Dichloroethane	5.788	62	7836	0.555	ug/L #	75
29) 1,1,1-Trichloroethane	5.300	97	9949	0.521	ug/L	97
30) Cyclohexane	5.380	56	10058	0.556	ug/L	96
31) Carbon tetrachloride	5.512	117	8450	0.518	ug/L	98
33) Benzene	5.766	78	27768	0.538	ug/L	100
34) Trichloroethene	6.537	95	7267	0.536	ug/L	95
35) Methylcyclohexane	6.753	83	10732	0.553	ug/L	99
37) 1,2-Dichloropropane	6.782	63	7063	0.513	ug/L #	93
38) Bromodichloromethane	7.100	83	8880	0.524	ug/L #	96
39) cis-1,3-Dichloropropene	7.602	75	9689	0.485	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	38323	5.347	ug/L	98
42) Toluene	7.962	91	27418	0.504	ug/L	96
44) trans-1,3-Dichloropropene	8.209	75	7764	0.470	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
 Data File : VU063116.D
 Acq On : 04 Feb 2025 12:13
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5080

Quant Time: Feb 05 07:28:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 05 07:27:04 2025
 Response via : Initial Calibration

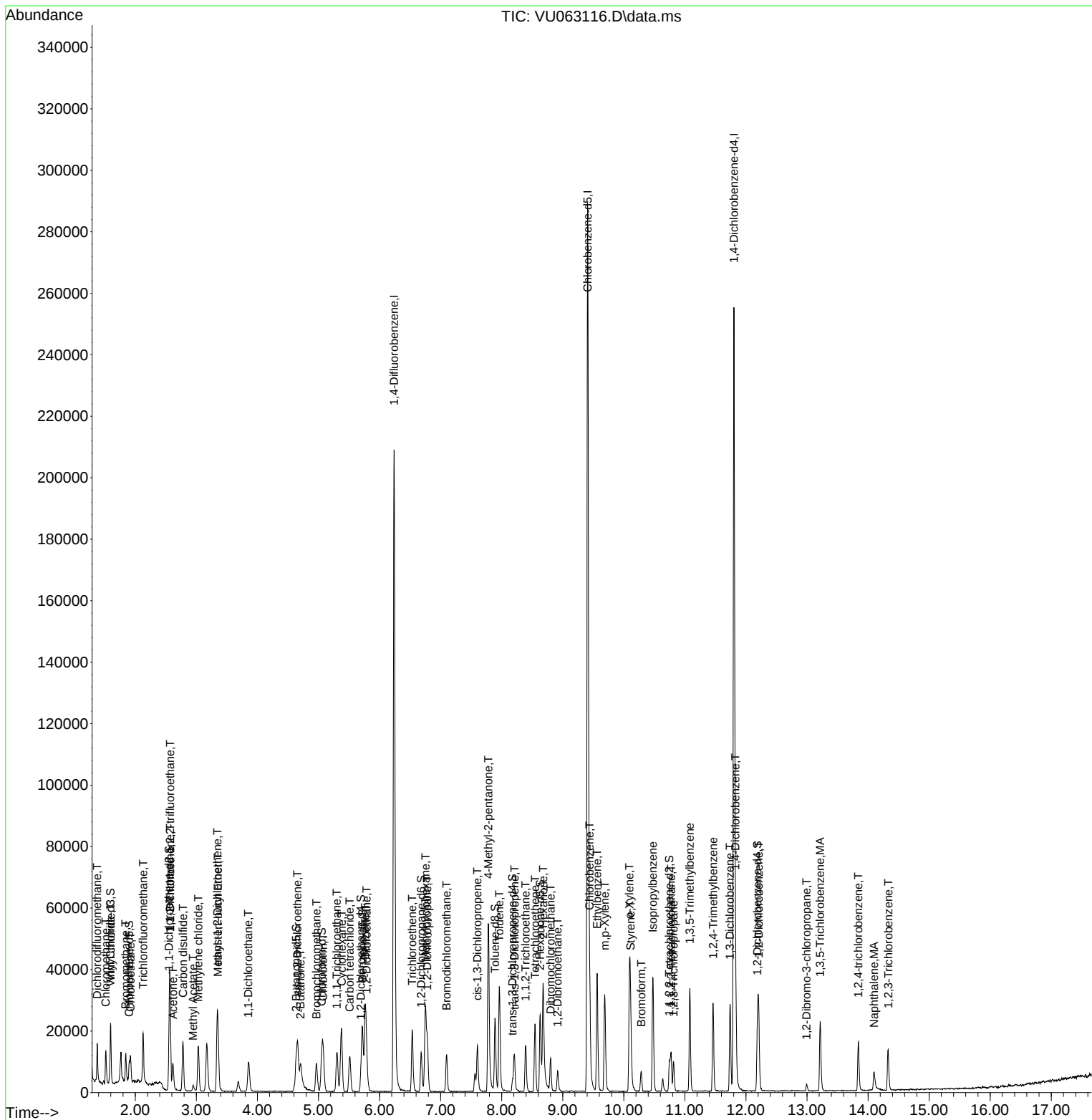
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

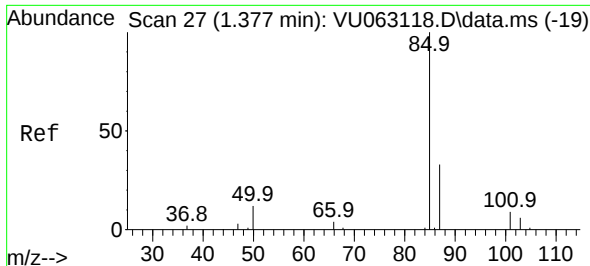
45) 1,1,2-Trichloroethane	8.393	97	5314	0.516	ug/L	90
47) Tetrachloroethene	8.547	164	5002	0.536	ug/L	84
48) 2-Hexanone	8.679	43	25378	5.070	ug/L	94
49) Dibromochloromethane	8.801	129	5309	0.477	ug/L	99
50) 1,2-Dibromoethane	8.917	107	4476	0.474	ug/L #	97
51) Chlorobenzene	9.441	112	17554	0.531	ug/L	99
52) Ethylbenzene	9.563	91	28032	0.487	ug/L	100
53) m,p-Xylene	9.688	106	9744	0.459	ug/L	99
54) o-Xylene	10.094	106	9878	0.476	ug/L	93
55) Styrene	10.113	104	15200	0.437	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	6535	0.501	ug/L #	95
59) Bromoform	10.286	173	3183	0.528	ug/L #	97
60) Isopropylbenzene	10.476	105	25631	0.507	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	4703	0.601	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	19264	0.485	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	17386	0.463	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	12553	0.550	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	12402	0.536	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	10870	0.499	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.991	75	740	0.575	ug/L #	73
69) 1,3,5-Trichlorobenzene	13.216	180	8343	0.550	ug/L	98
70) 1,2,4-trichlorobenzene	13.843	180	5928	0.557	ug/L	97
71) Naphthalene	14.097	128	7439	0.468	ug/L #	97
72) 1,2,3-Trichlorobenzene	14.331	180	5058	0.531	ug/L	99

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

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

Quant Time: Feb 05 07:28:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Feb 05 07:27:04 2025
Response via : Initial Calibration

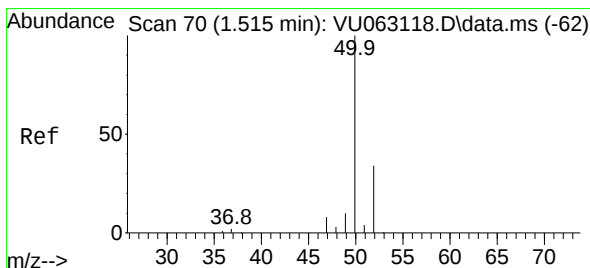
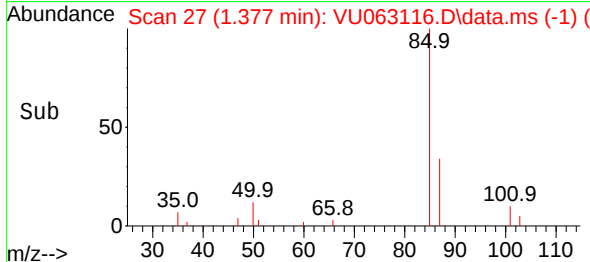
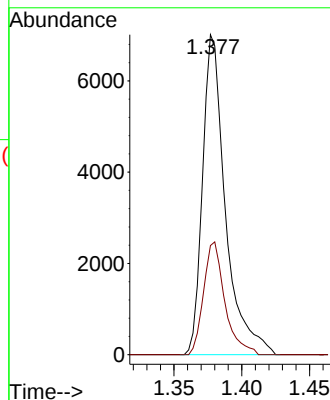
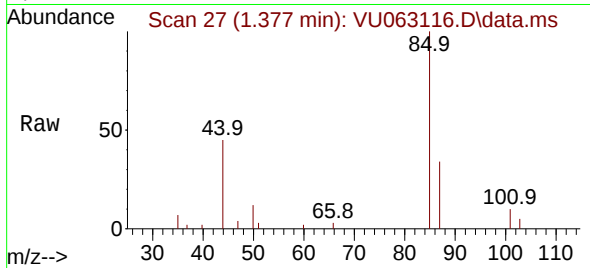




#2
 Dichlorodifluoromethane
 Concen: 0.707 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063116.D
 Acq: 04 Feb 2025 12:13

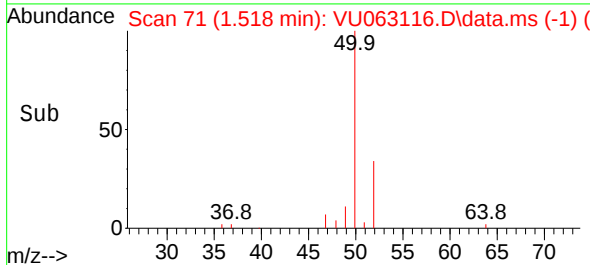
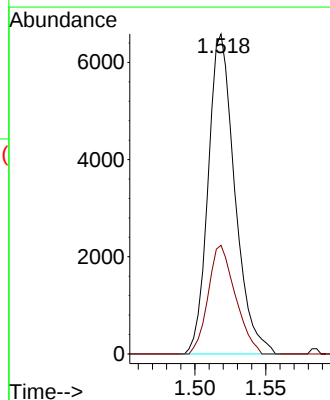
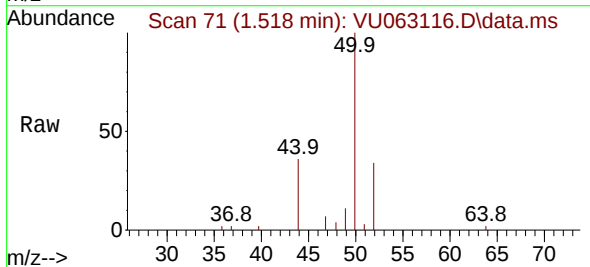
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5080

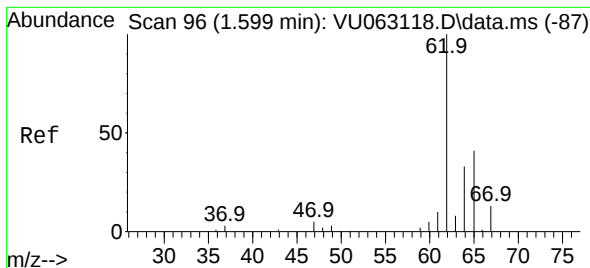
Tgt Ion: 85 Resp: 8234
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.9 38.9



#3
 Chloromethane
 Concen: 0.613 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU063116.D
 Acq: 04 Feb 2025 12:13

Tgt Ion: 50 Resp: 8599
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.4 43.6





#5

Vinyl chloride

Concen: 0.577 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

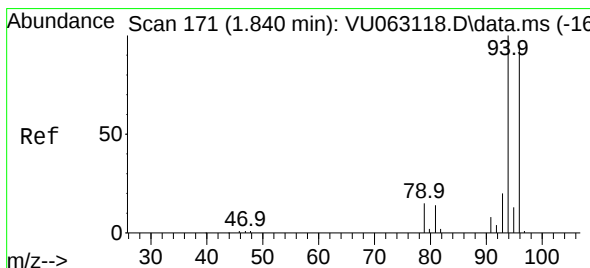
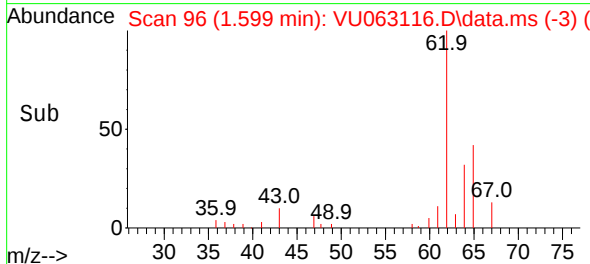
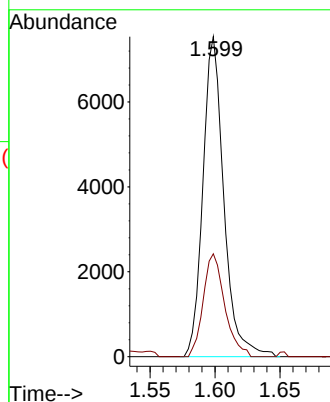
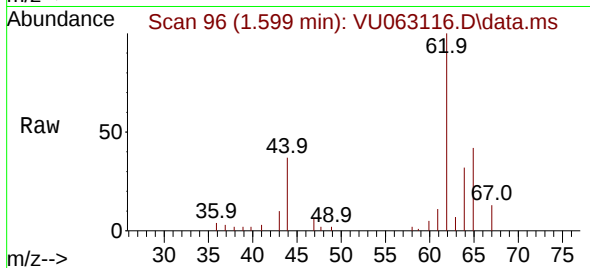
VSTD0.5080

Tgt Ion: 62 Resp: 8441

Ion Ratio Lower Upper

62 100

64 32.2 23.2 43.0



#6

Bromomethane

Concen: 0.535 ug/L

RT: 1.843 min Scan# 172

Delta R.T. 0.003 min

Lab File: VU063116.D

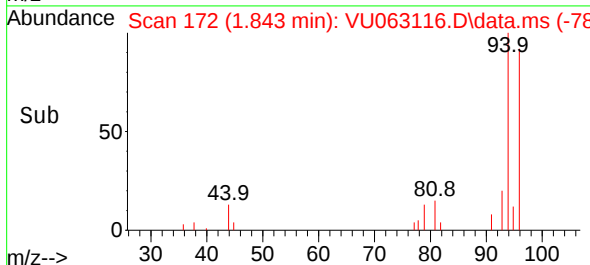
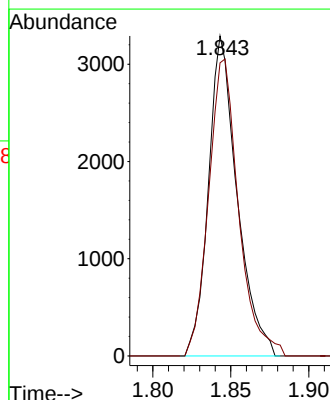
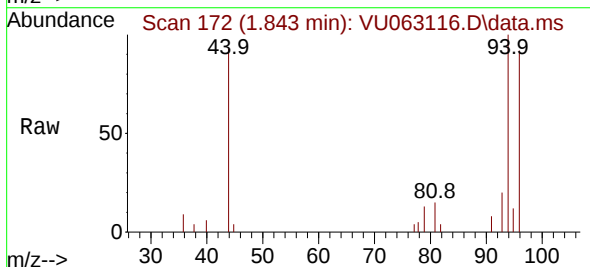
Acq: 04 Feb 2025 12:13

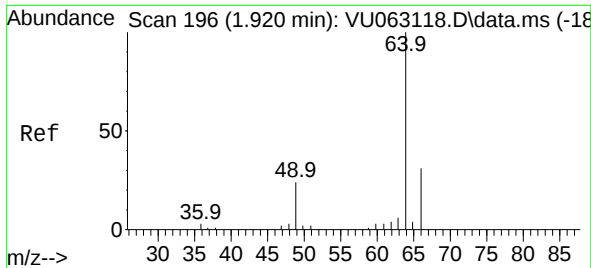
Tgt Ion: 94 Resp: 4211

Ion Ratio Lower Upper

94 100

96 91.6 66.3 123.1

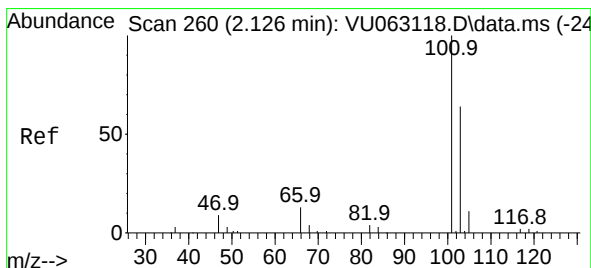
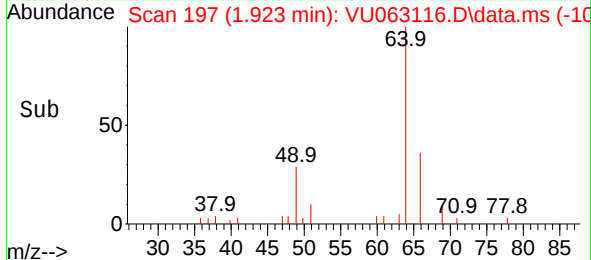
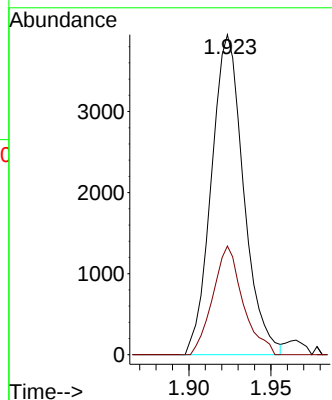
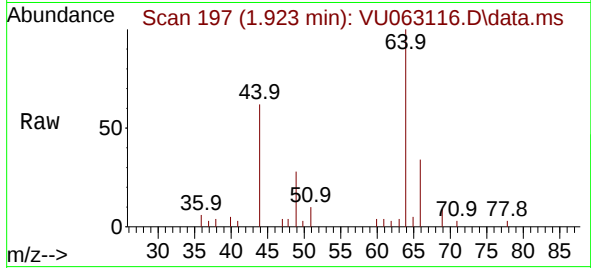




#8
Chloroethane
Concen: 0.620 ug/L
RT: 1.923 min Scan# 196
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

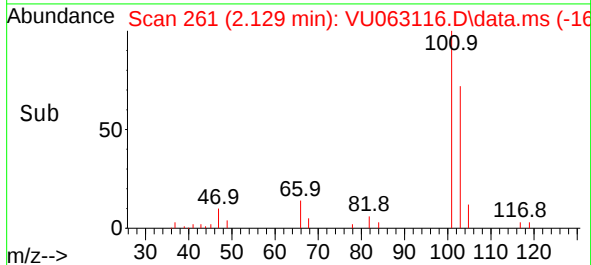
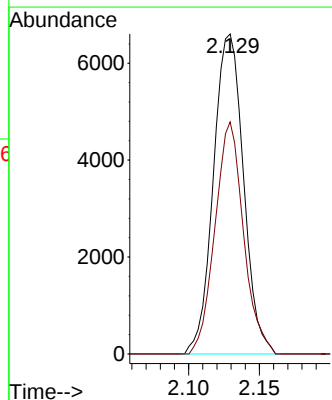
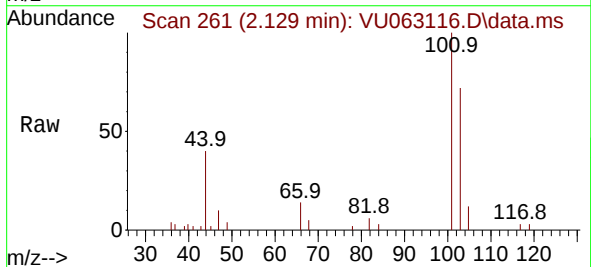
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

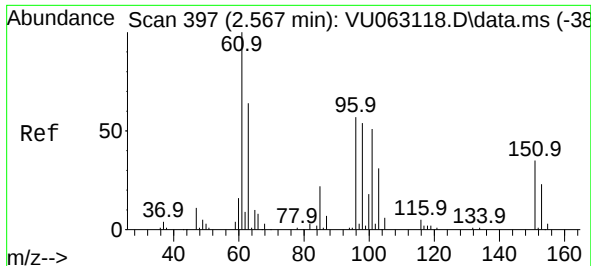
Tgt Ion: 64 Resp: 5389
Ion Ratio Lower Upper
64 100
66 34.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 0.516 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion:101 Resp: 9760
Ion Ratio Lower Upper
101 100
103 68.8 51.8 77.8





#10

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

Concen: 0.536 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5080

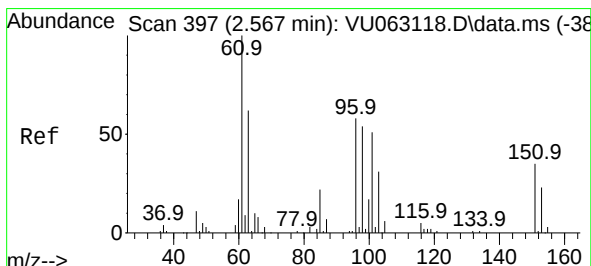
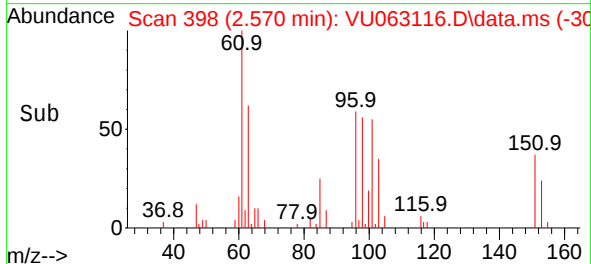
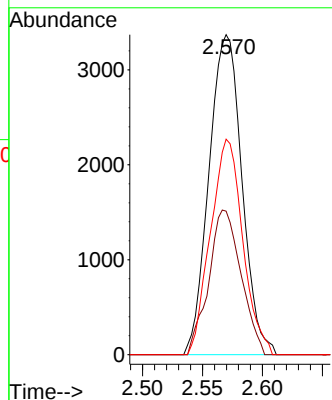
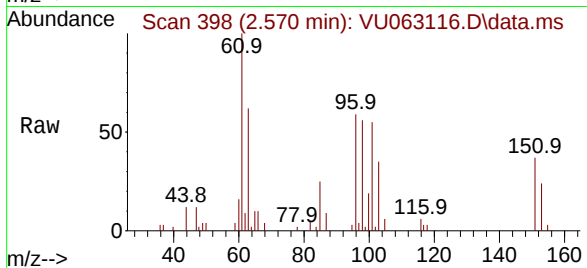
Tgt Ion:101 Resp: 6453

Ion Ratio Lower Upper

101 100

85 44.2 35.0 52.4

151 65.9 56.3 84.5



#12

1,1-Dichloroethene

Concen: 0.518 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

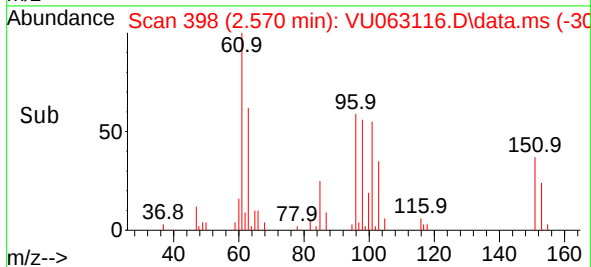
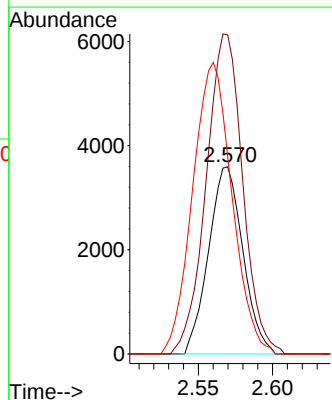
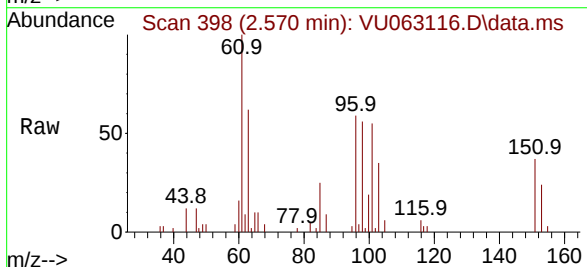
Tgt Ion: 96 Resp: 5771

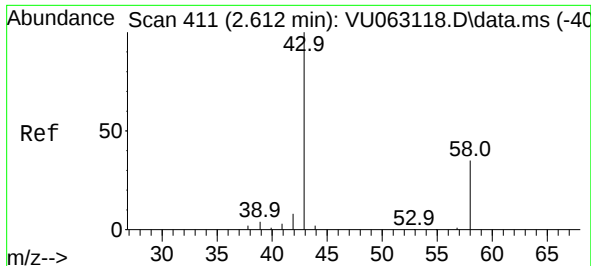
Ion Ratio Lower Upper

96 100

61 170.3 121.9 226.3

63 105.4 80.3 149.1

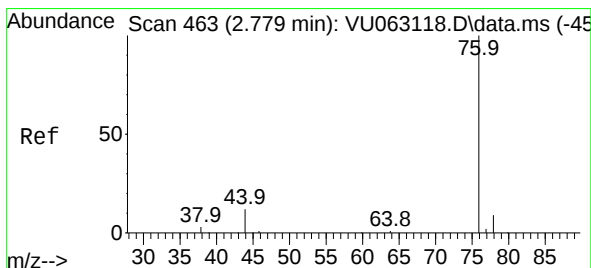
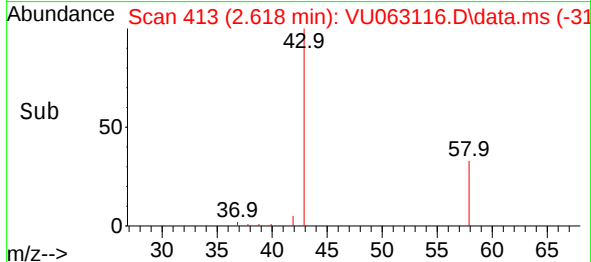
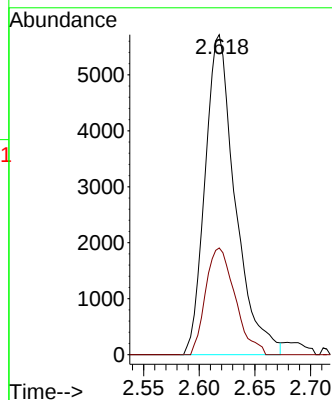
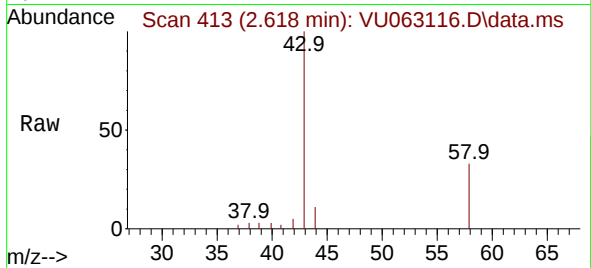




#13
Acetone
Concen: 6.344 ug/L
RT: 2.618 min Scan# 411
Delta R.T. 0.006 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

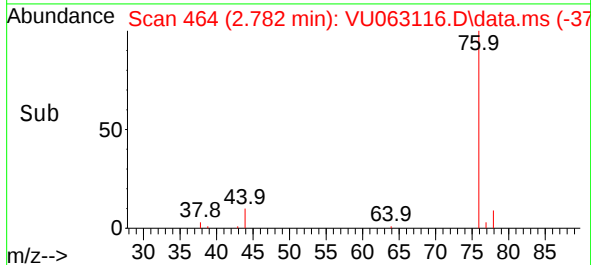
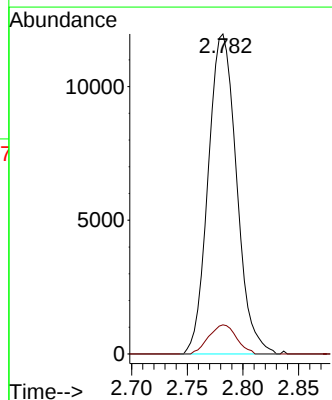
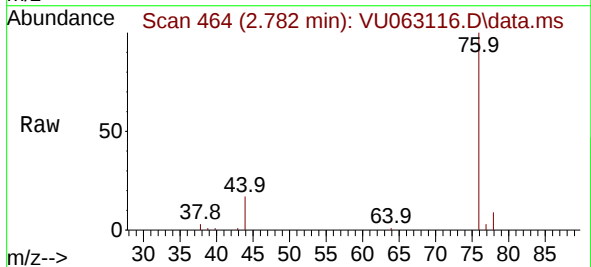
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

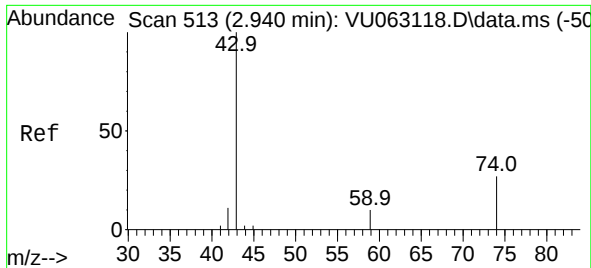
Tgt Ion: 43 Resp: 10762
Ion Ratio Lower Upper
43 100
58 32.6 0.0 70.2



#14
Carbon disulfide
Concen: 0.630 ug/L
RT: 2.782 min Scan# 464
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion: 76 Resp: 21219
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 0.605 ug/L

RT: 2.946 min Scan# 513

Delta R.T. 0.006 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

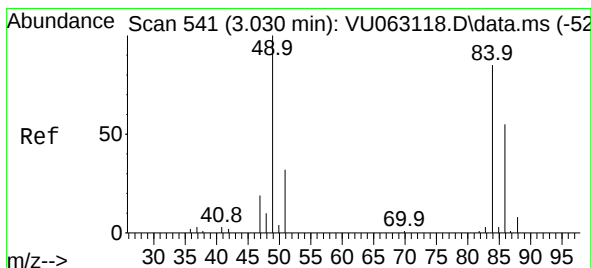
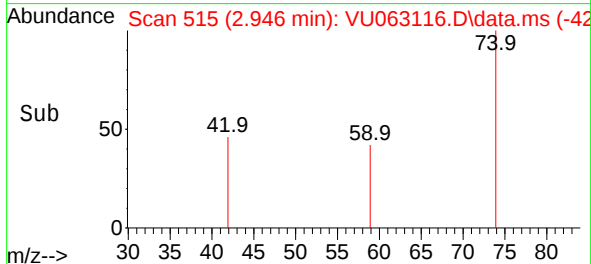
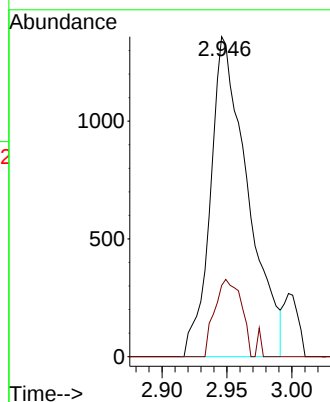
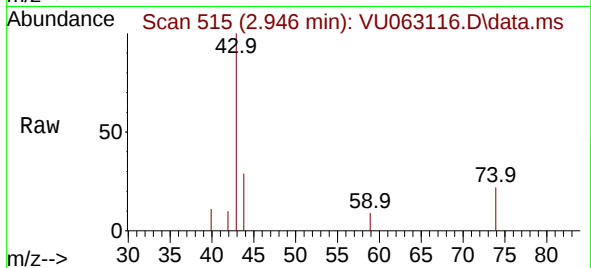
VSTD0.5080

Tgt Ion: 43 Resp: 2712

Ion Ratio Lower Upper

43 100

74 17.1 19.5 29.3#



#16

Methylene chloride

Concen: 0.567 ug/L

RT: 3.033 min Scan# 542

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

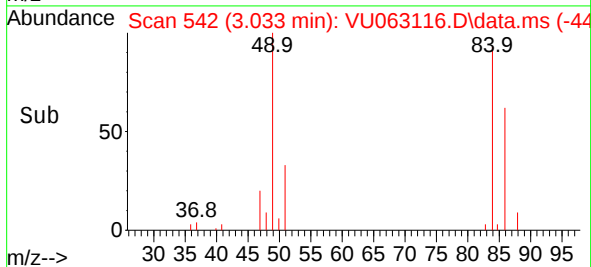
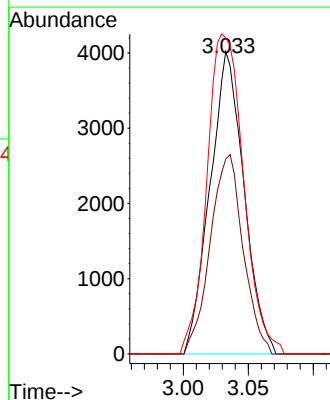
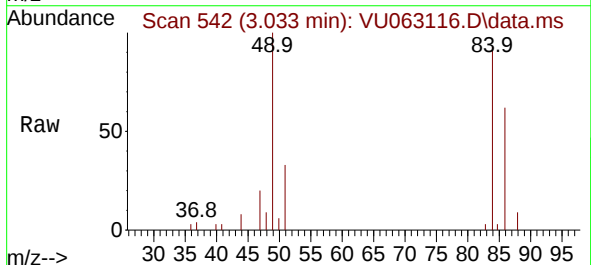
Tgt Ion: 84 Resp: 7308

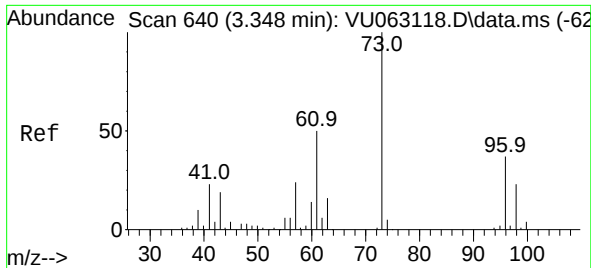
Ion Ratio Lower Upper

84 100

86 64.5 45.0 83.6

49 104.5 82.4 153.0

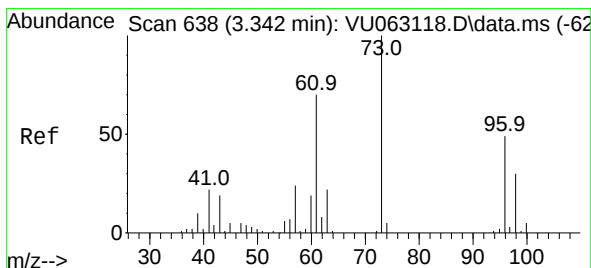
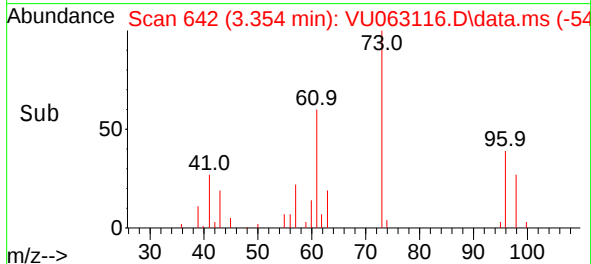
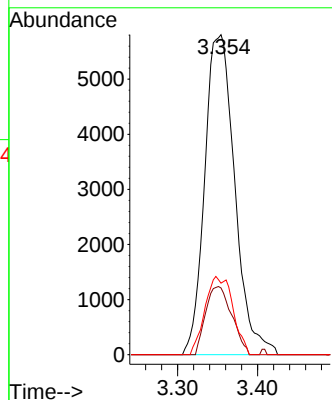
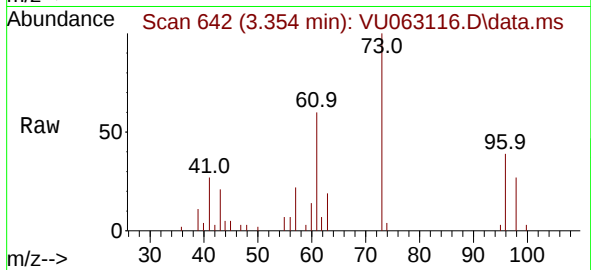




#17
Methyl tert-butyl Ether
Concen: 0.514 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

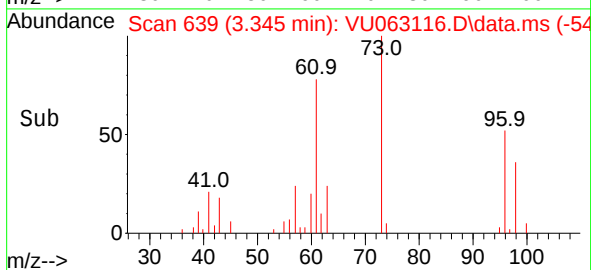
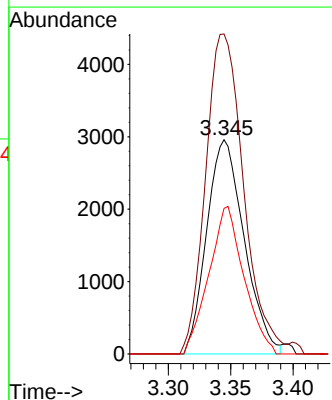
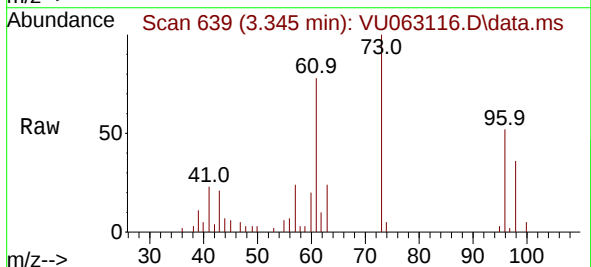
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

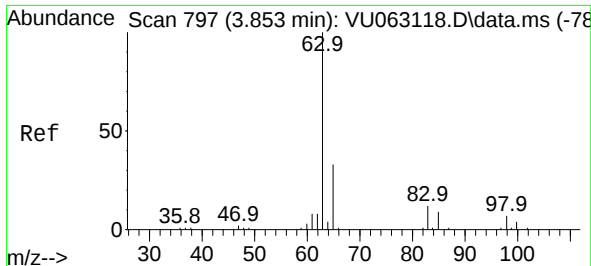
Tgt Ion: 73	Resp: 15186
Ion Ratio	Lower Upper
73	100
43	18.5 15.1 22.7
57	22.6 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 0.548 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion: 96	Resp: 6207
Ion Ratio	Lower Upper
96	100
61	149.4 99.2 184.2
98	68.0 43.2 80.2

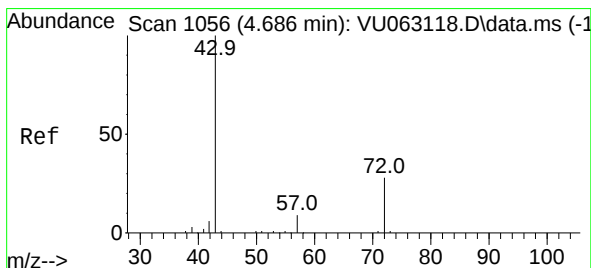
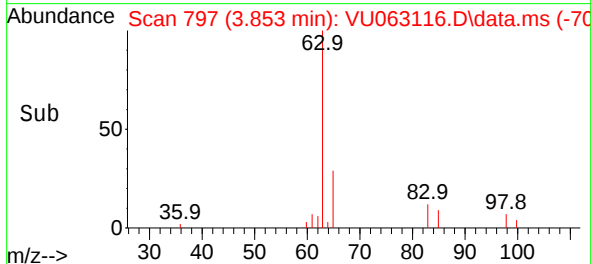
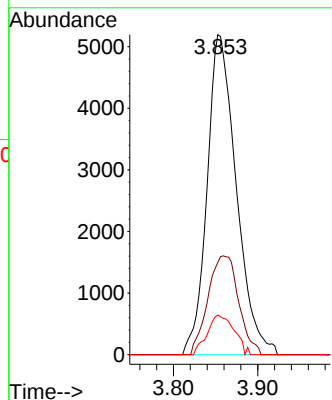
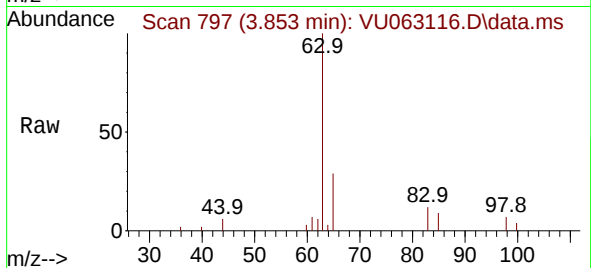




#19
1,1-Dichloroethane
Concen: 0.548 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

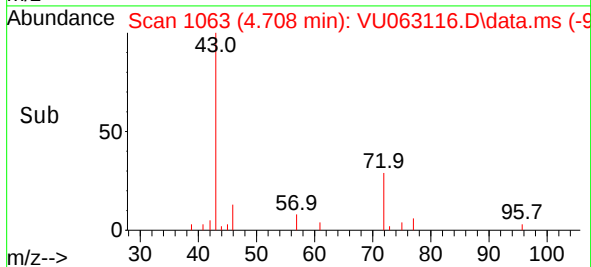
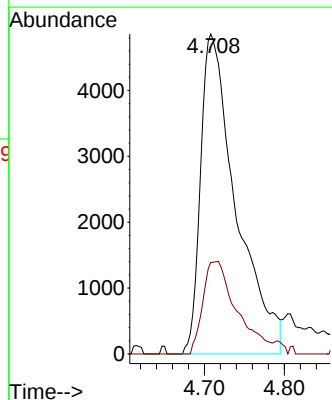
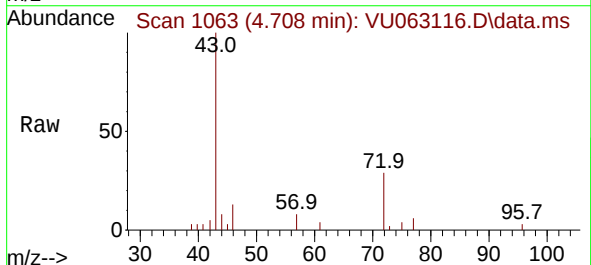
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

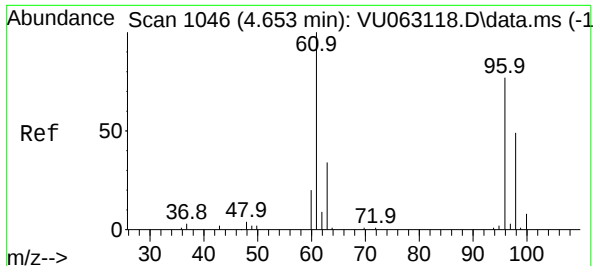
Tgt Ion: 63 Resp: 12522
Ion Ratio Lower Upper
63 100
65 28.8 23.2 43.0
83 12.4 8.7 16.1



#21
2-Butanone
Concen: 5.376 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.022 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion: 43 Resp: 14983
Ion Ratio Lower Upper
43 100
72 27.7 13.9 41.7

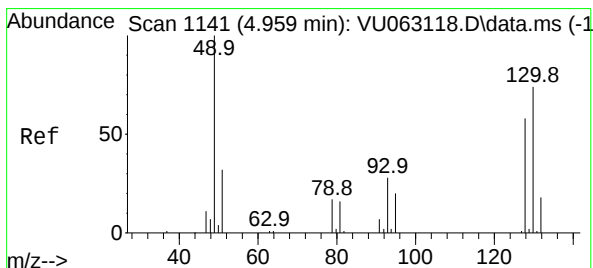
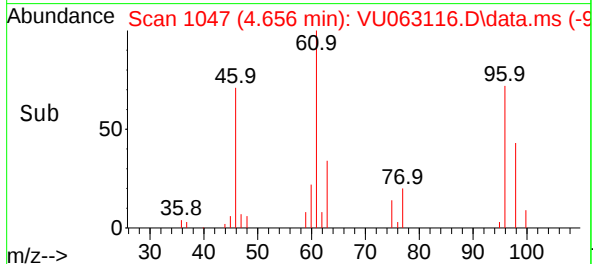
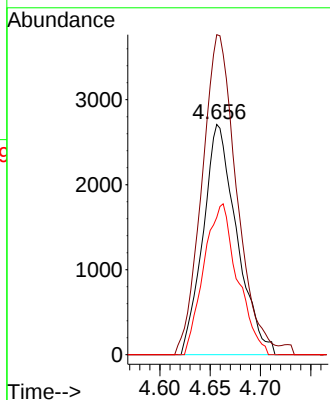
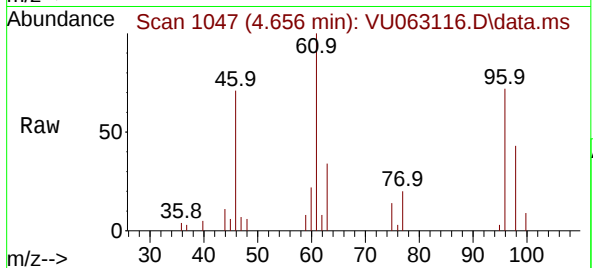




#22
cis-1,2-Dichloroethene
Concen: 0.463 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

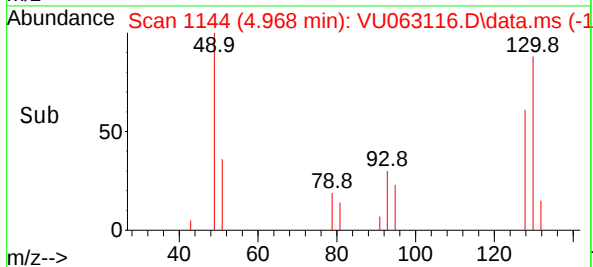
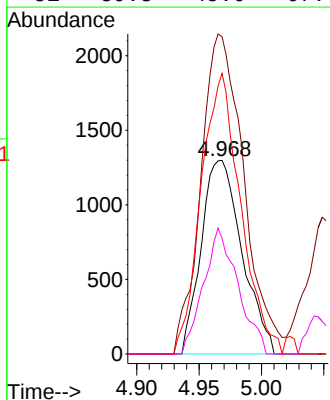
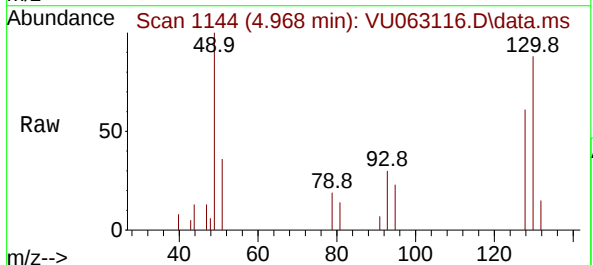
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

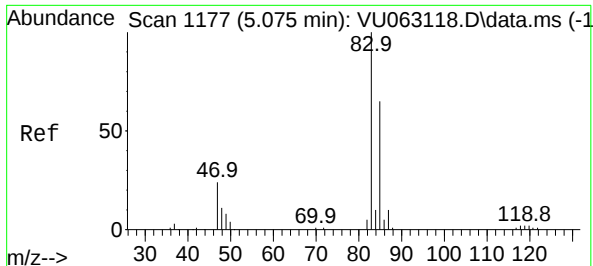
Tgt Ion: 96 Resp: 6302
Ion Ratio Lower Upper
96 100
61 139.0 91.8 170.6
98 59.6 44.4 82.4



#23
Bromochloromethane
Concen: 0.513 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.009 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion: 128 Resp: 2955
Ion Ratio Lower Upper
128 100
49 163.9 121.2 225.2
130 145.0 89.2 165.6
51 59.8 45.0 67.4





#25

Chloroform

Concen: 0.524 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

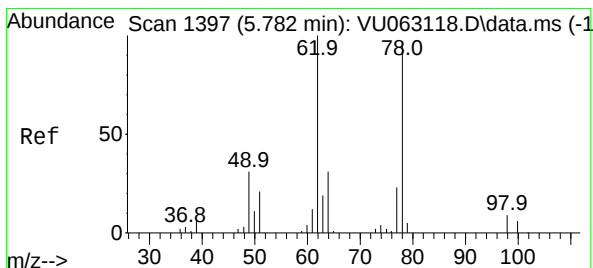
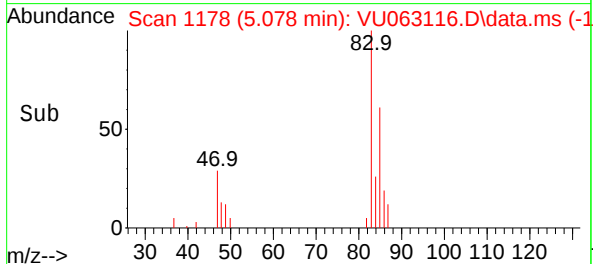
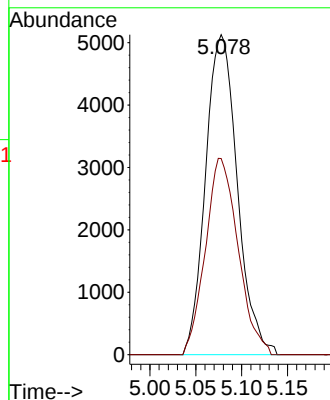
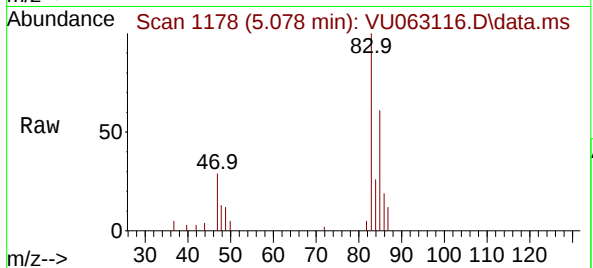
VSTD0.5080

Tgt Ion: 83 Resp: 12359

Ion Ratio Lower Upper

83 100

85 61.3 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.555 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VU063116.D

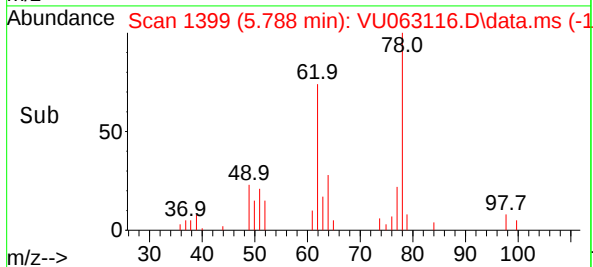
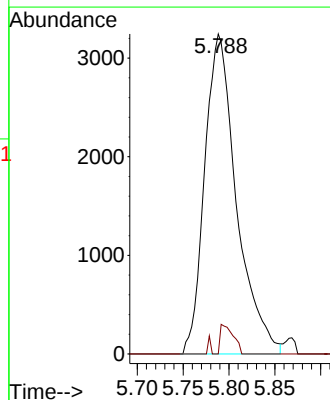
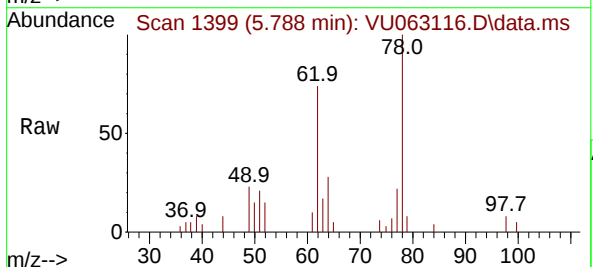
Acq: 04 Feb 2025 12:13

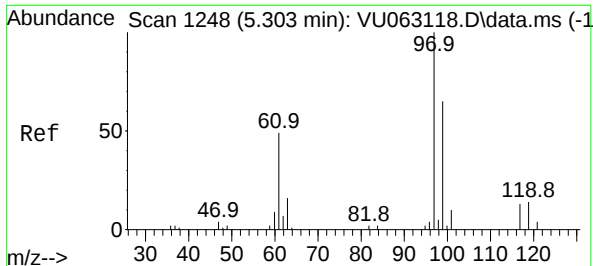
Tgt Ion: 62 Resp: 7836

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#





#29

1,1,1-Trichloroethane

Concen: 0.521 ug/L

RT: 5.300 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5080

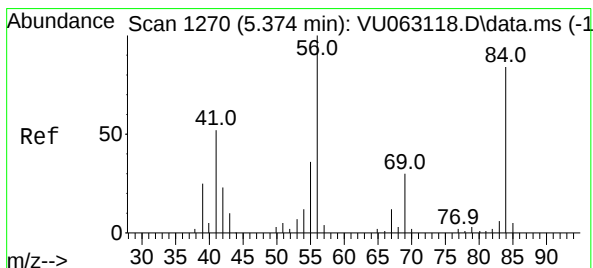
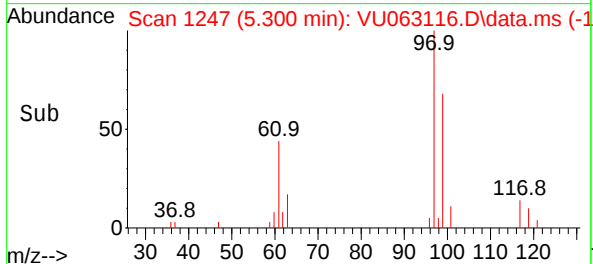
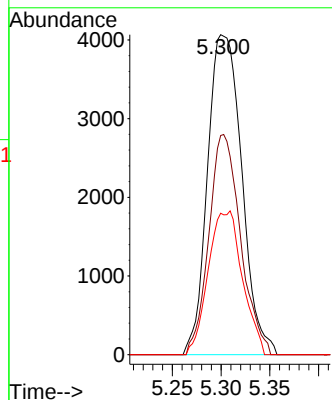
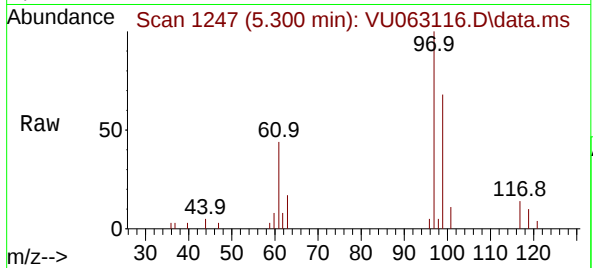
Tgt Ion: 97 Resp: 9949

Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

61 44.7 38.5 57.7



#30

Cyclohexane

Concen: 0.556 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.006 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

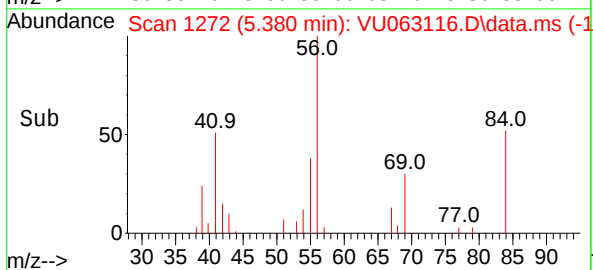
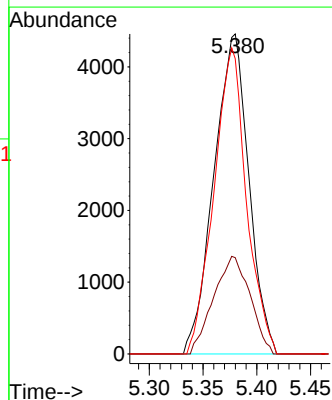
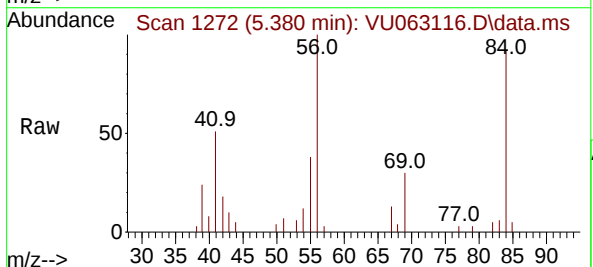
Tgt Ion: 56 Resp: 10058

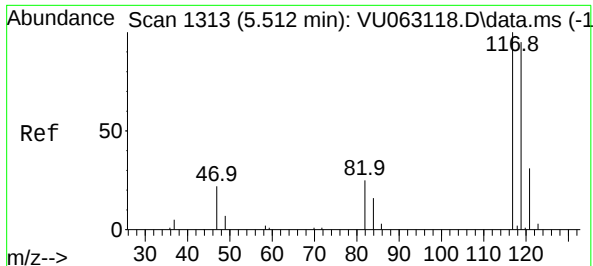
Ion Ratio Lower Upper

56 100

69 31.8 24.6 37.0

84 89.2 67.9 101.9

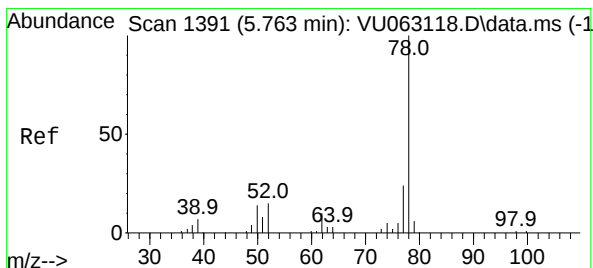
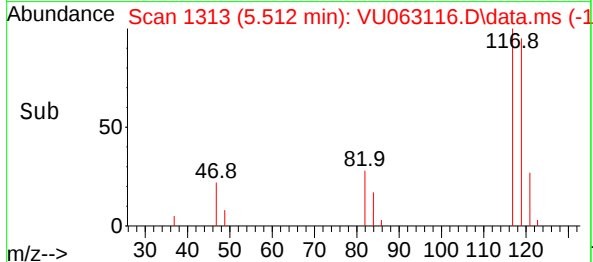
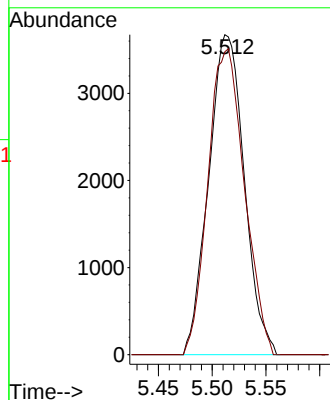
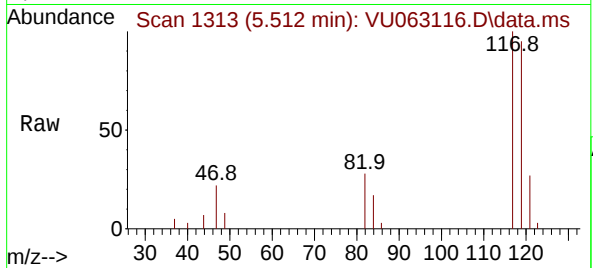




#31
Carbon tetrachloride
Concen: 0.518 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

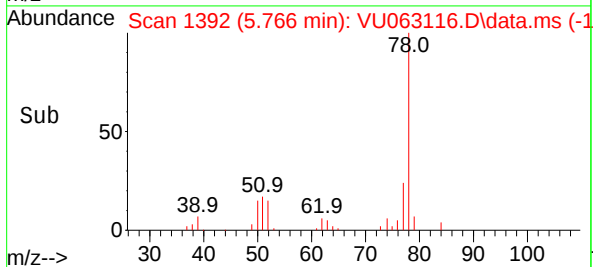
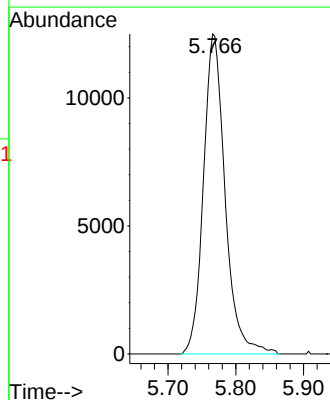
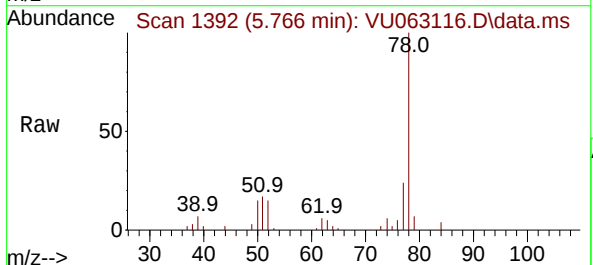
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

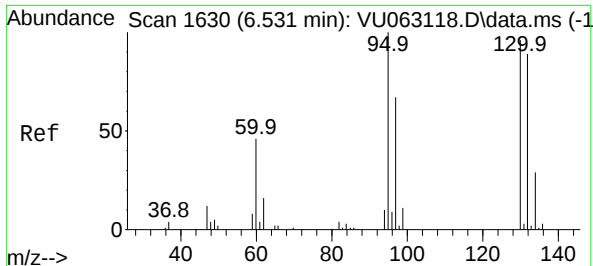
Tgt Ion:117 Resp: 8450
Ion Ratio Lower Upper
117 100
119 98.0 77.0 115.4



#33
Benzene
Concen: 0.538 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion: 78 Resp: 27768





#34

Trichloroethene

Concen: 0.536 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5080

Tgt Ion: 95 Resp: 7267

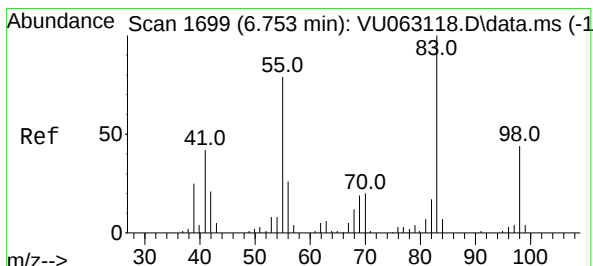
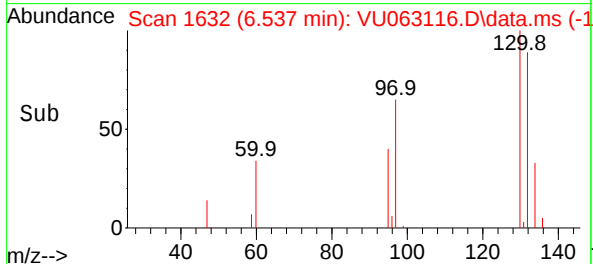
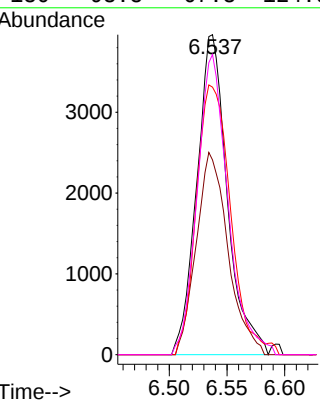
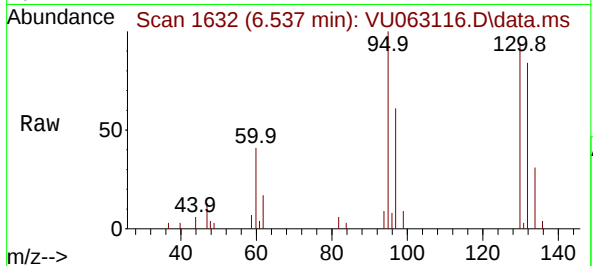
Ion Ratio Lower Upper

95 100

97 60.9 46.7 86.7

132 83.6 62.4 115.8

130 93.8 67.3 124.9



#35

Methylcyclohexane

Concen: 0.553 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

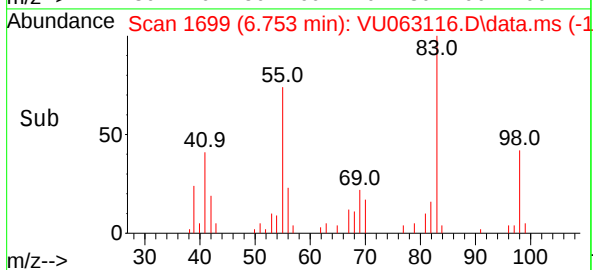
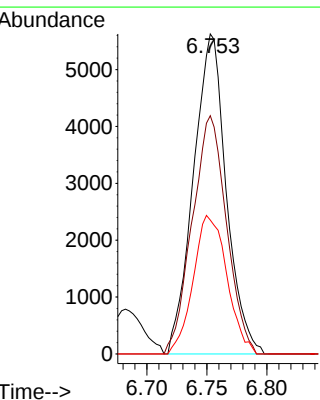
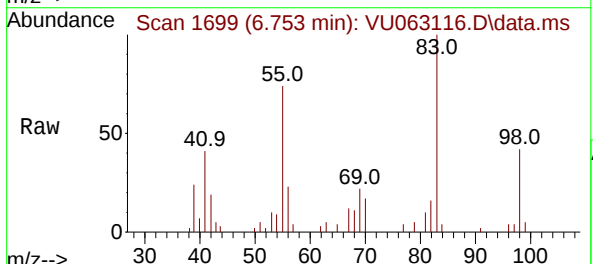
Tgt Ion: 83 Resp: 10732

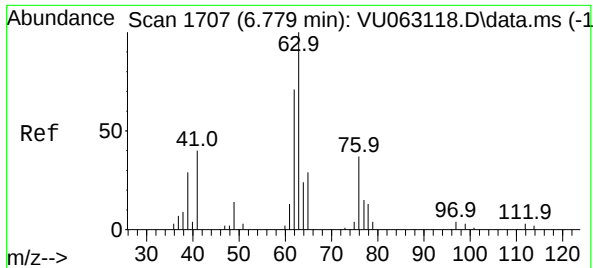
Ion Ratio Lower Upper

83 100

55 77.6 62.8 94.2

98 44.4 36.0 54.0

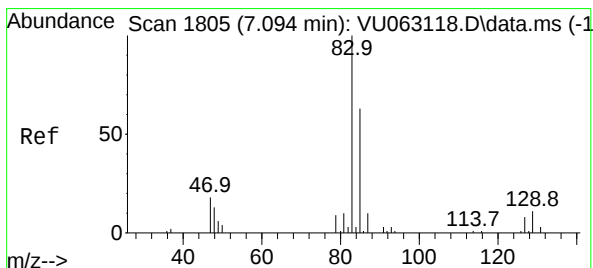
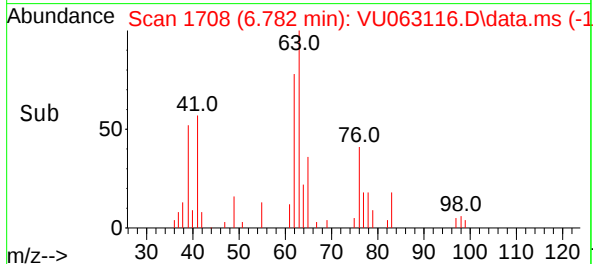
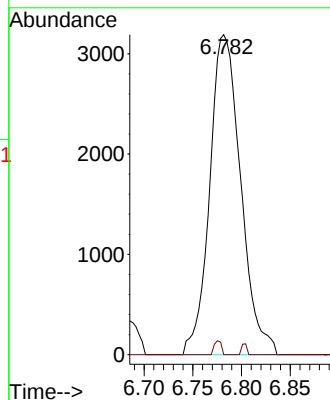
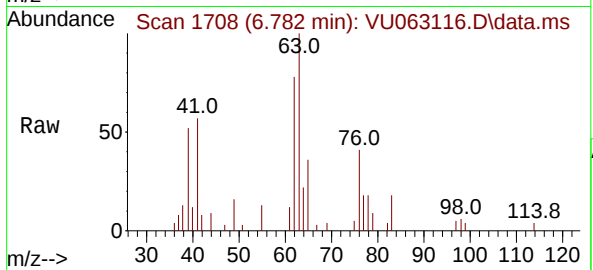




#37
1,2-Dichloropropane
Concen: 0.513 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

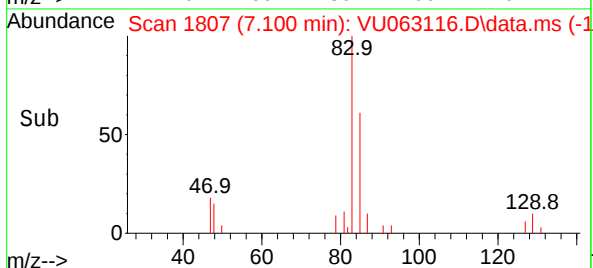
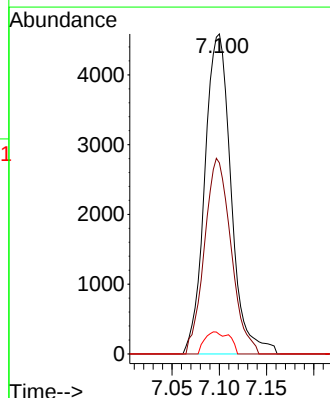
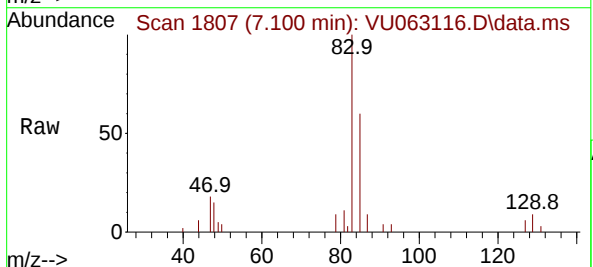
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

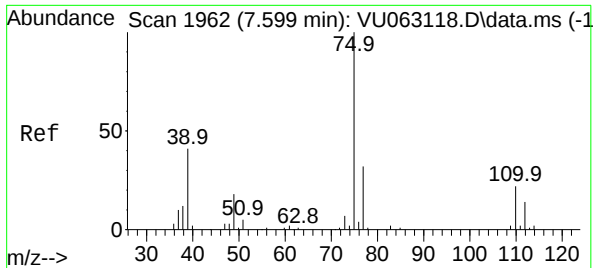
Tgt Ion: 63 Resp: 7063
Ion Ratio Lower Upper
63 100
112 1.0 2.6 4.0#



#38
Bromodichloromethane
Concen: 0.524 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion: 83 Resp: 8880
Ion Ratio Lower Upper
83 100
85 59.7 44.0 81.8
127 6.1 6.3 9.5#

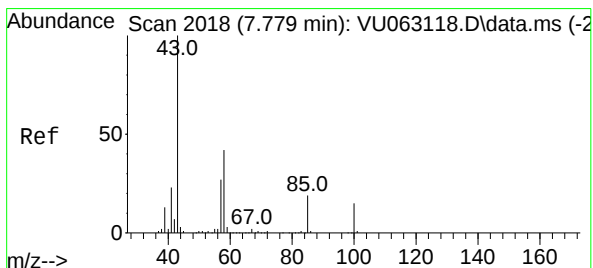
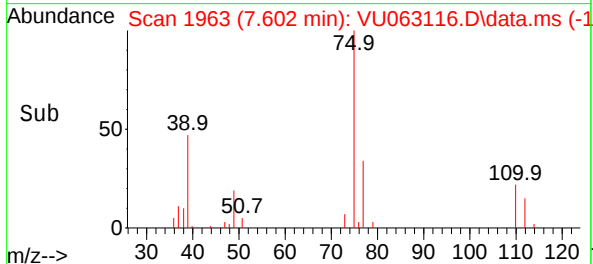
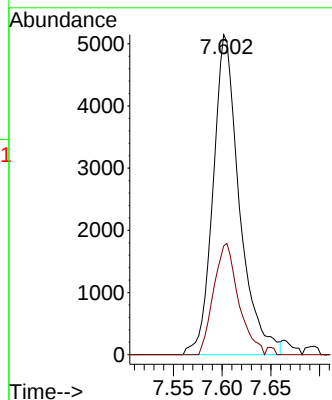
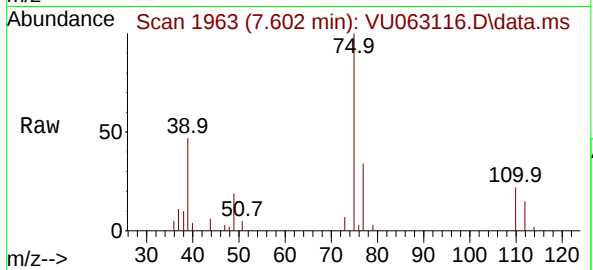




#39
 cis-1,3-Dichloropropene
 Concen: 0.485 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU063116.D
 Acq: 04 Feb 2025 12:13

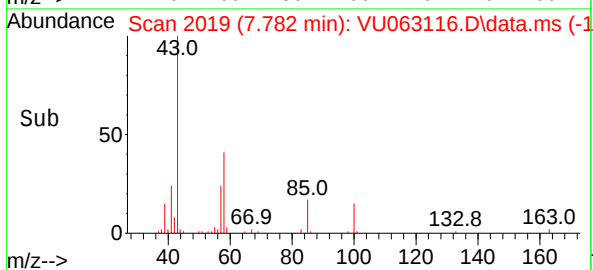
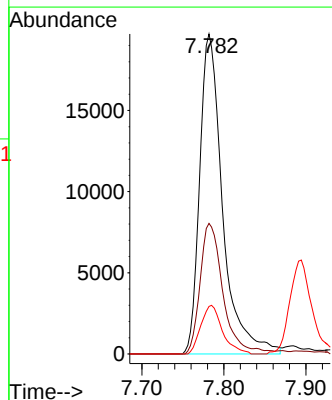
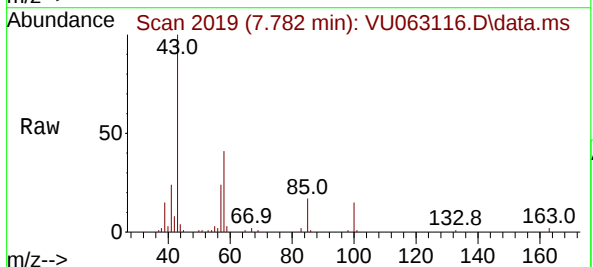
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5080

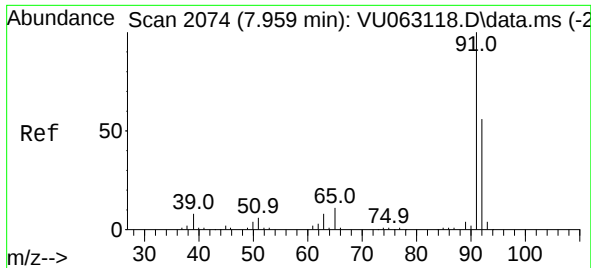
Tgt Ion: 75 Resp: 9689
 Ion Ratio Lower Upper
 75 100
 77 34.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 5.347 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.003 min
 Lab File: VU063116.D
 Acq: 04 Feb 2025 12:13

Tgt Ion: 43 Resp: 38323
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.7 50.5
 100 14.3 12.1 18.1





#42

Toluene

Concen: 0.504 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

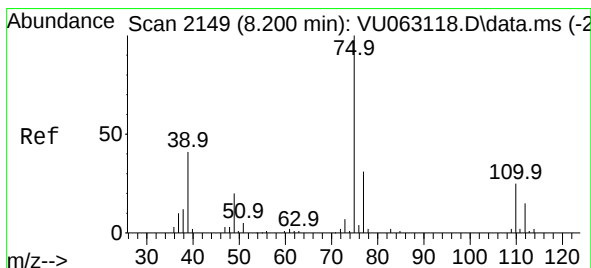
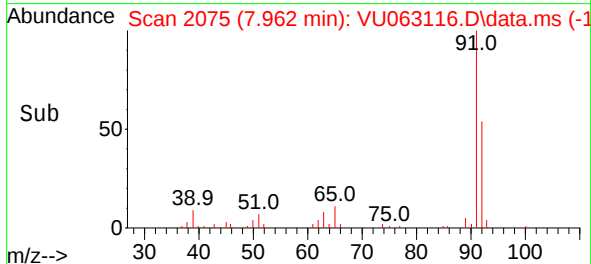
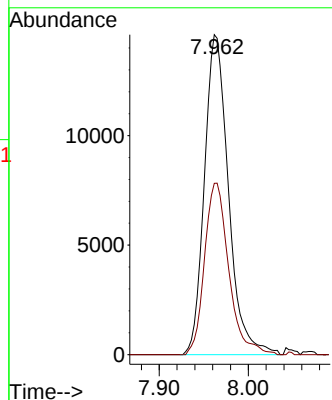
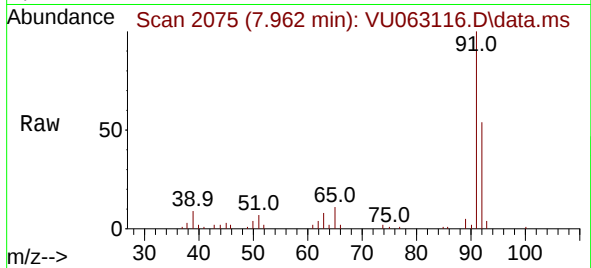
VSTD0.5080

Tgt Ion: 91 Resp: 27418

Ion Ratio Lower Upper

91 100

92 53.6 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 0.470 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.009 min

Lab File: VU063116.D

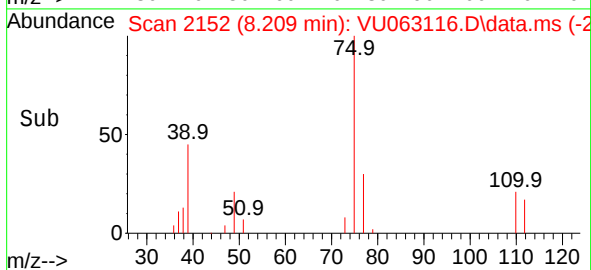
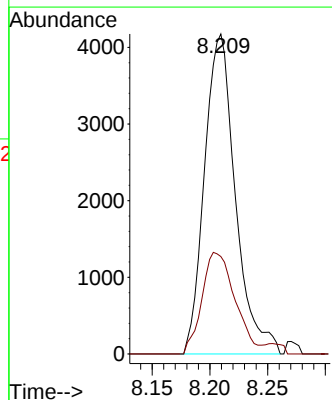
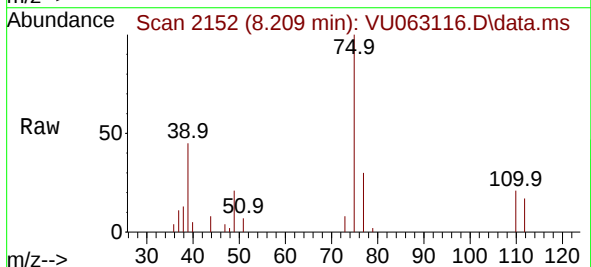
Acq: 04 Feb 2025 12:13

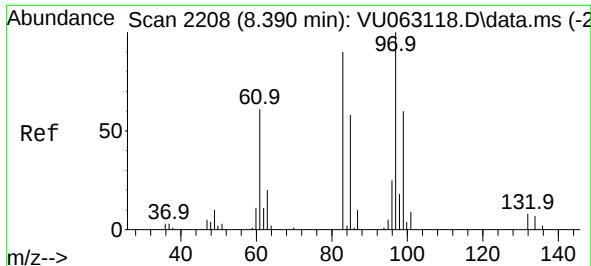
Tgt Ion: 75 Resp: 7764

Ion Ratio Lower Upper

75 100

77 30.4 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 0.516 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5080

Tgt Ion: 97 Resp: 5314

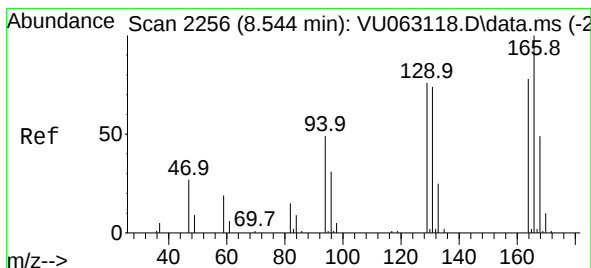
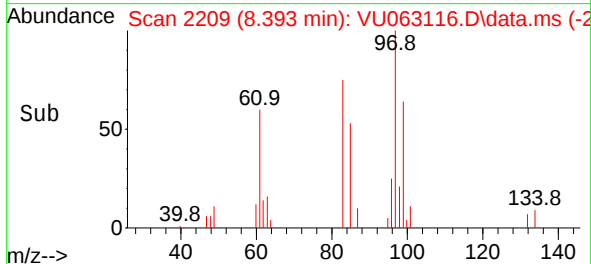
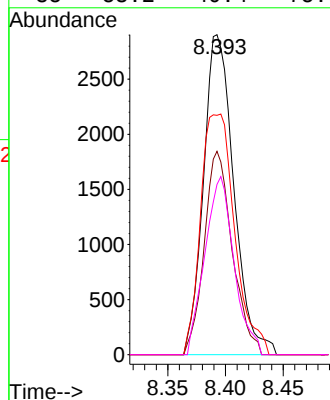
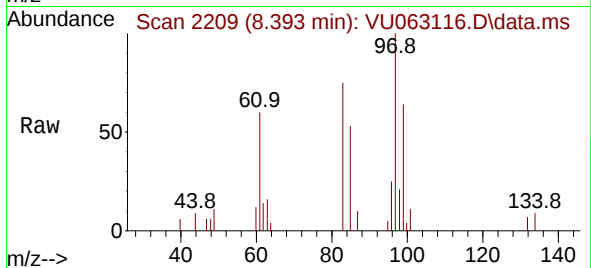
Ion Ratio Lower Upper

97 100

99 63.6 42.2 78.4

83 74.8 62.9 116.9

85 53.2 40.4 75.0



#47

Tetrachloroethene

Concen: 0.536 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Tgt Ion:164 Resp: 5002

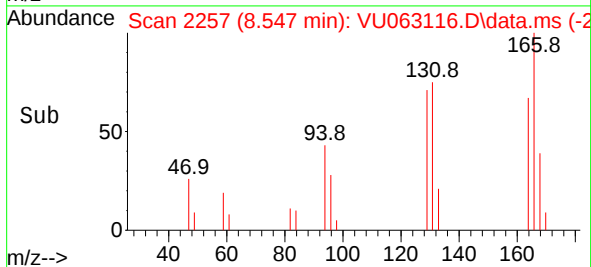
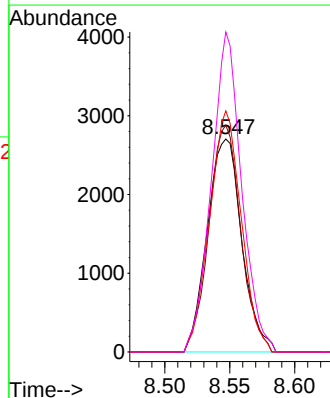
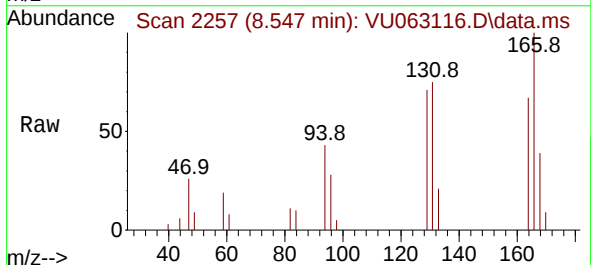
Ion Ratio Lower Upper

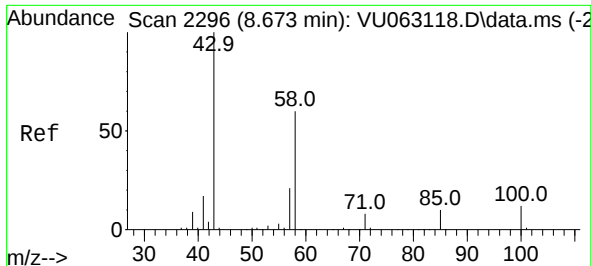
164 100

129 106.5 68.6 127.4

131 113.2 66.5 123.5

166 150.3 89.9 167.0





#48

2-Hexanone

Concen: 5.070 ug/L

RT: 8.679 min Scan# 2296

Delta R.T. 0.006 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5080

Tgt Ion: 43 Resp: 25378

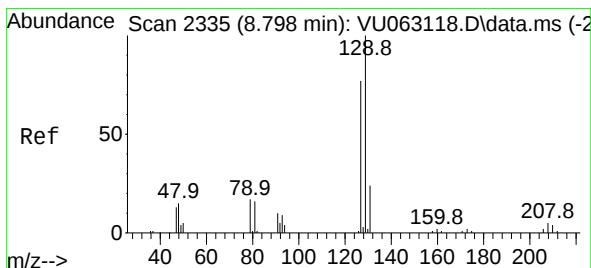
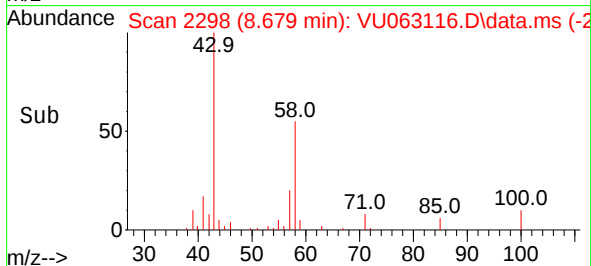
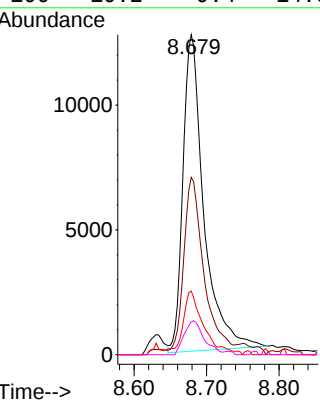
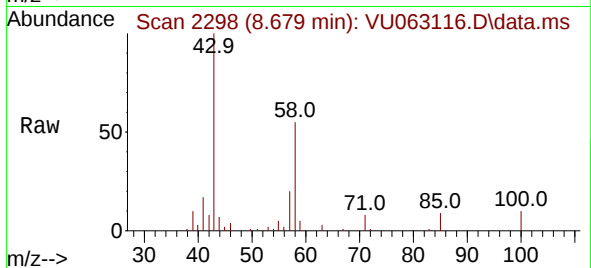
Ion Ratio Lower Upper

43 100

58 51.7 45.8 68.8

57 20.0 15.7 23.5

100 10.2 9.4 14.0



#49

Dibromochloromethane

Concen: 0.477 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.003 min

Lab File: VU063116.D

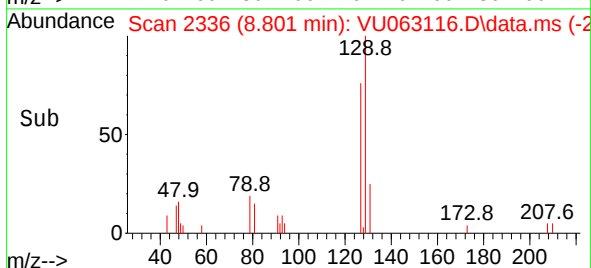
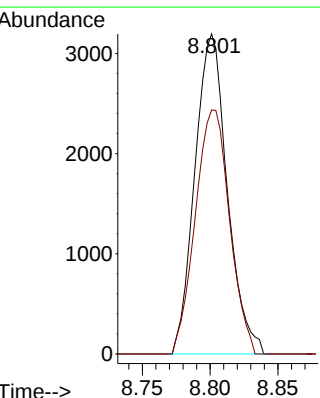
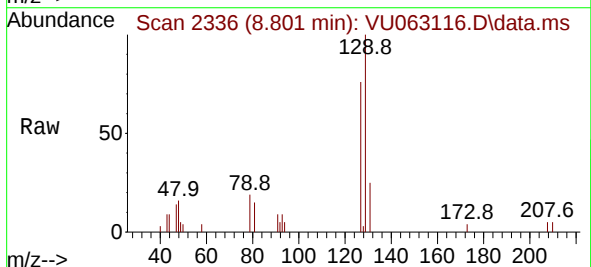
Acq: 04 Feb 2025 12:13

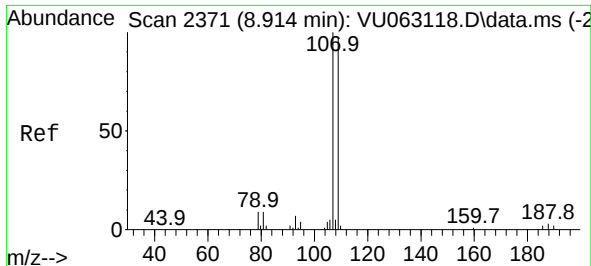
Tgt Ion: 129 Resp: 5309

Ion Ratio Lower Upper

129 100

127 76.3 53.8 99.8





#50

1,2-Dibromoethane

Concen: 0.474 ug/L

RT: 8.917 min Scan# 24

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5080

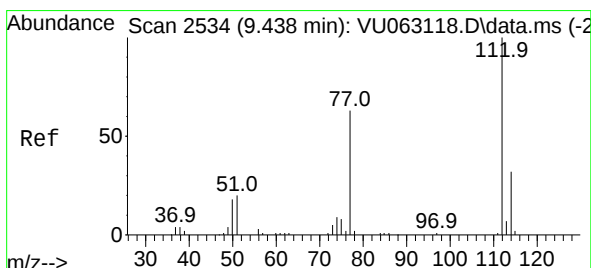
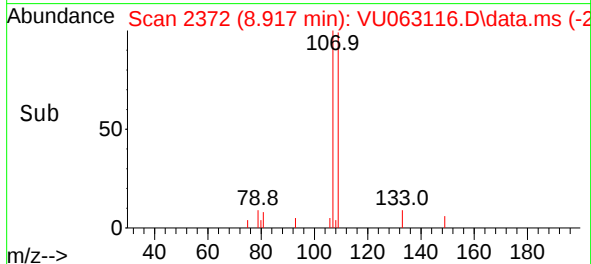
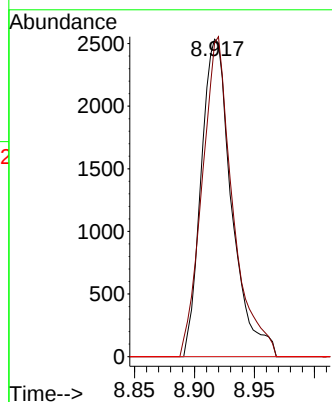
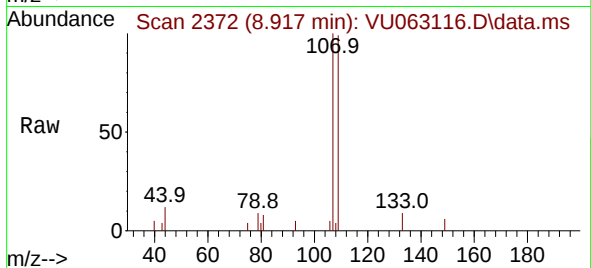
Tgt Ion:107 Resp: 4476

Ion Ratio Lower Upper

107 100

109 98.9 67.6 125.6

188 0.0 2.6 3.8#



#51

Chlorobenzene

Concen: 0.531 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

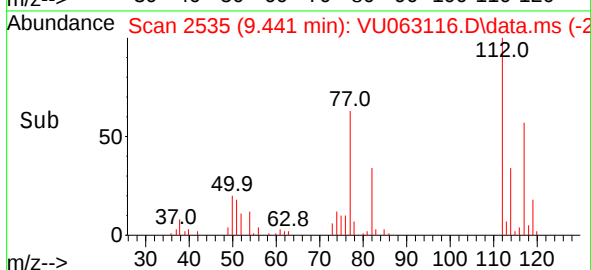
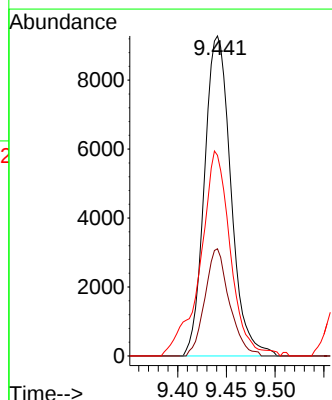
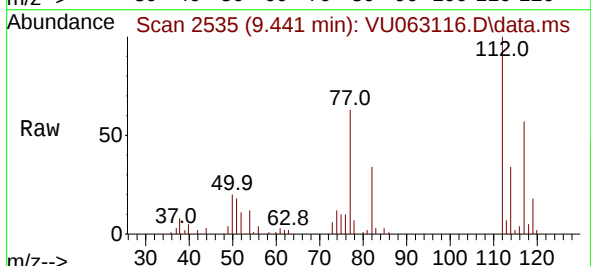
Tgt Ion:112 Resp: 17554

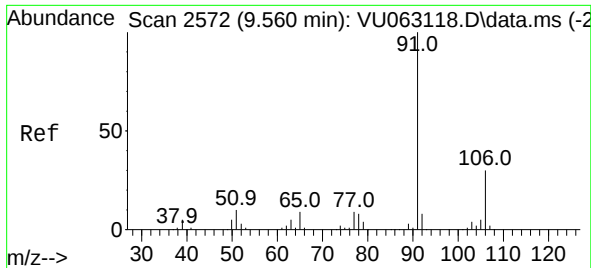
Ion Ratio Lower Upper

112 100

114 33.5 22.6 42.0

77 62.7 50.8 76.2

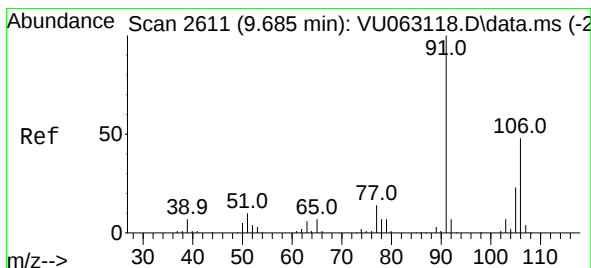
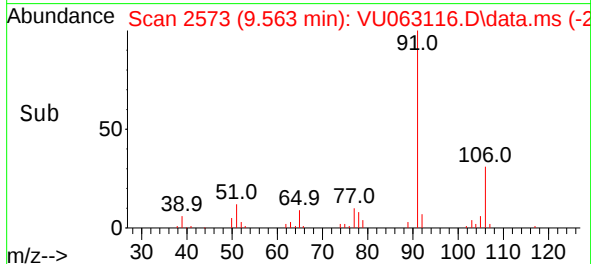
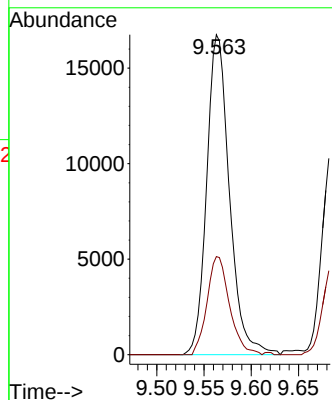
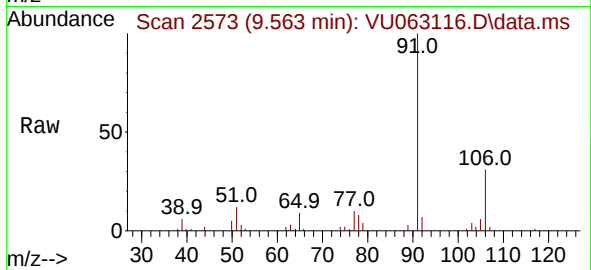




#52
Ethylbenzene
Concen: 0.487 ug/L
RT: 9.563 min Scan# 2572
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

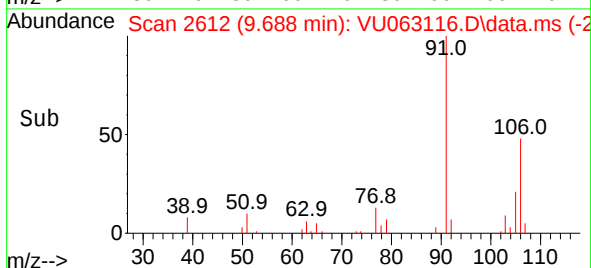
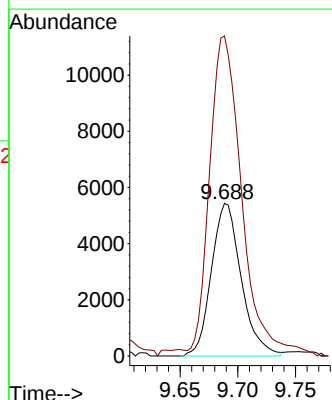
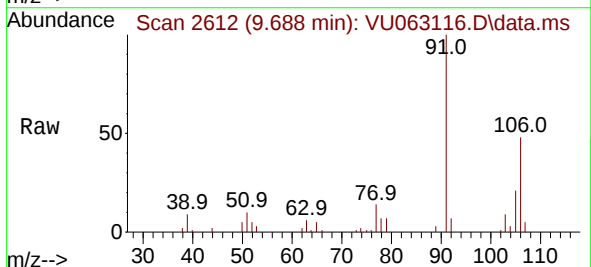
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

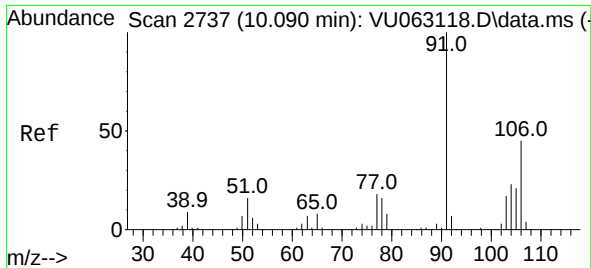
Tgt Ion: 91 Resp: 28032
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.6



#53
m,p-Xylene
Concen: 0.459 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion: 106 Resp: 9744
Ion Ratio Lower Upper
106 100
91 209.7 147.3 273.6

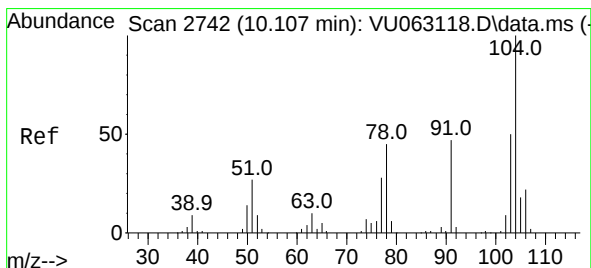
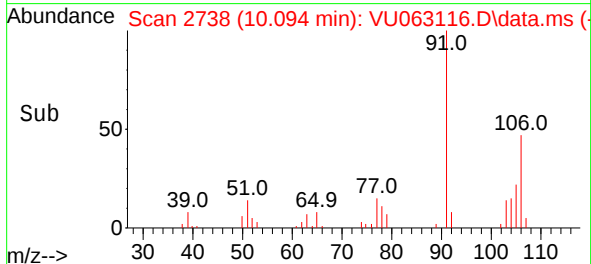
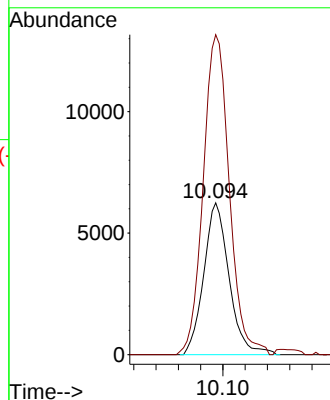
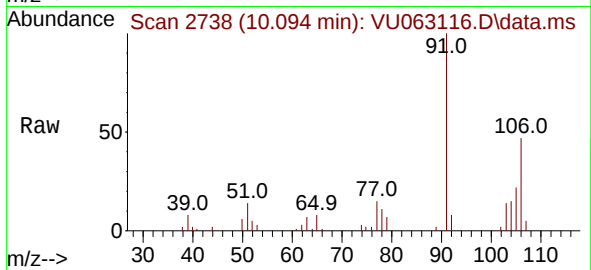




#54
o-Xylene
Concen: 0.476 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

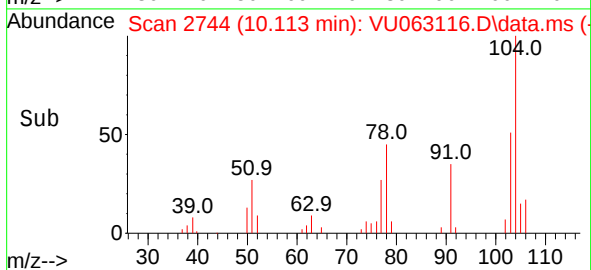
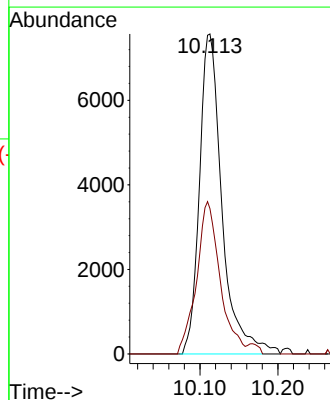
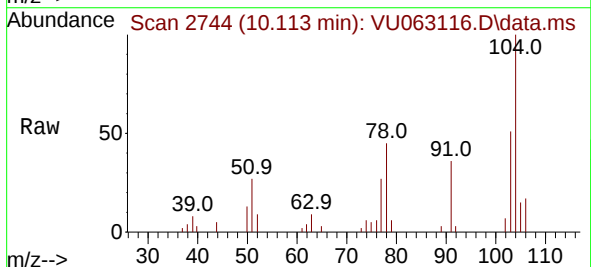
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

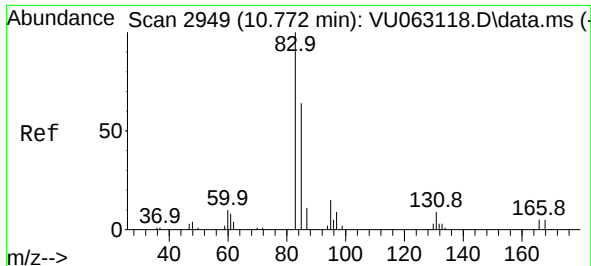
Tgt Ion:106 Resp: 9878
Ion Ratio Lower Upper
106 100
91 210.7 155.4 288.6



#55
Styrene
Concen: 0.437 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion:104 Resp: 15200
Ion Ratio Lower Upper
104 100
78 45.4 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 0.501 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5080

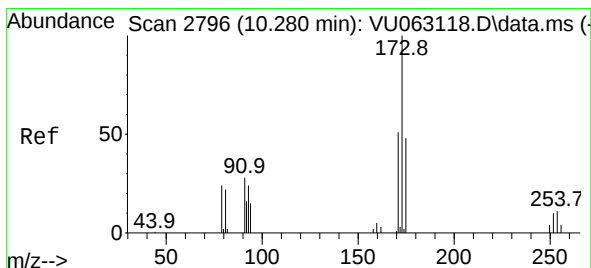
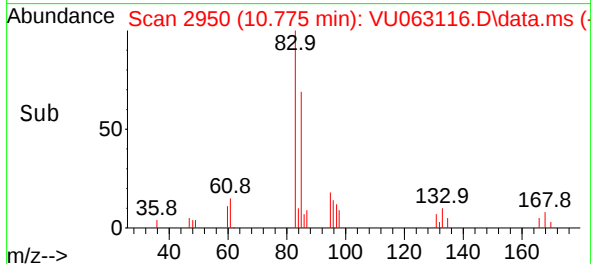
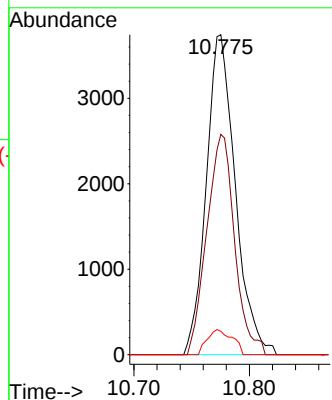
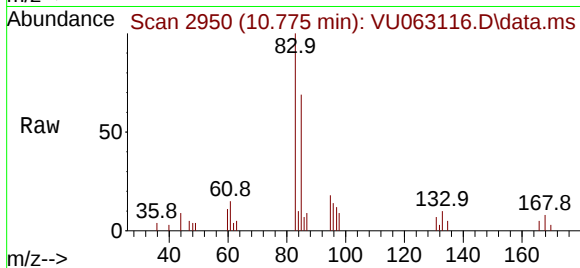
Tgt Ion: 83 Resp: 6535

Ion Ratio Lower Upper

83 100

85 68.8 45.6 84.8

131 7.3 7.4 11.0#



#59

Bromoform

Concen: 0.528 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.006 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

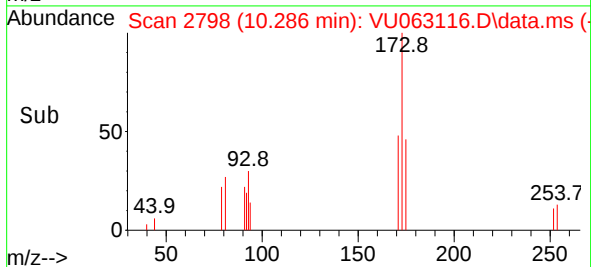
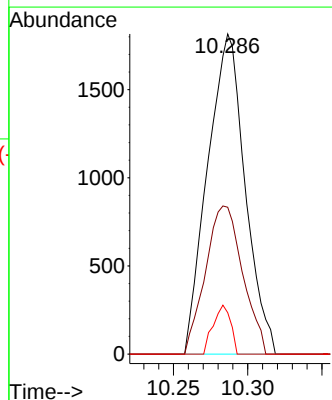
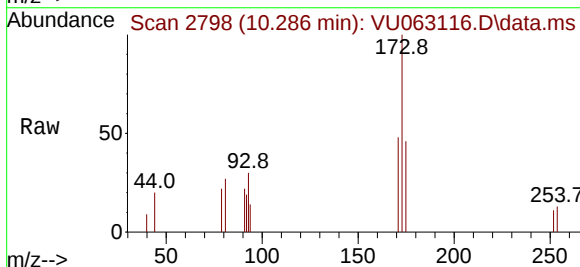
Tgt Ion:173 Resp: 3183

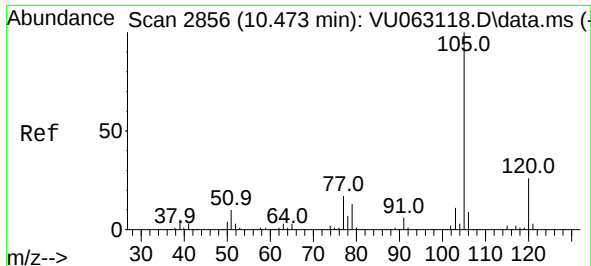
Ion Ratio Lower Upper

173 100

175 45.9 37.7 56.5

254 7.1 7.9 11.9#

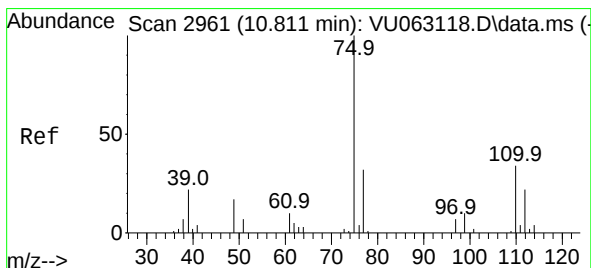
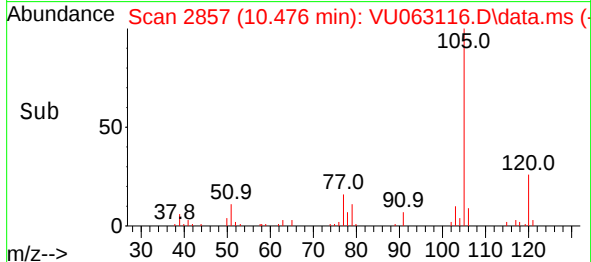
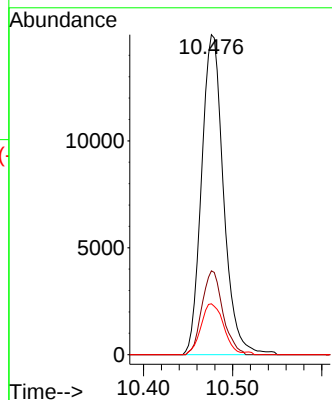
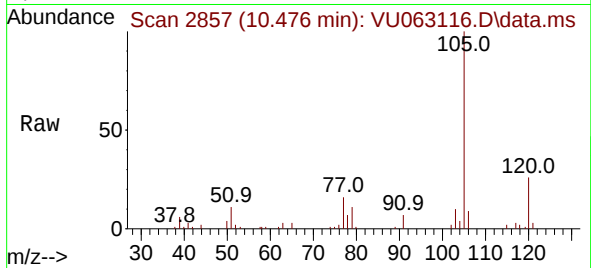




#60
Isopropylbenzene
Concen: 0.507 ug/L
RT: 10.476 min Scan# 2856
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

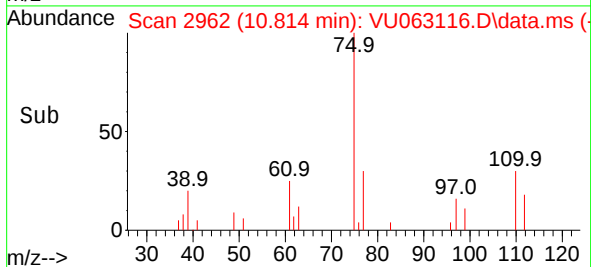
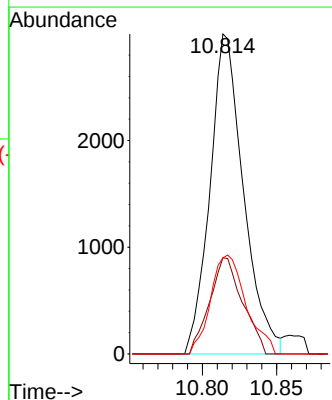
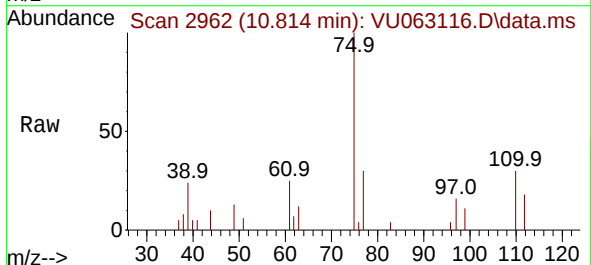
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

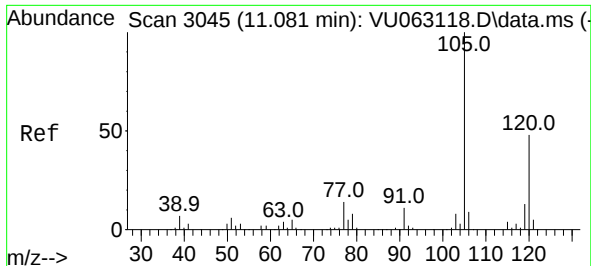
Tgt Ion:105 Resp: 25631
Ion Ratio Lower Upper
105 100
120 25.0 20.8 31.2
77 16.4 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 0.601 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion: 75 Resp: 4703
Ion Ratio Lower Upper
75 100
110 29.6 27.4 41.0
77 32.6 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.485 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

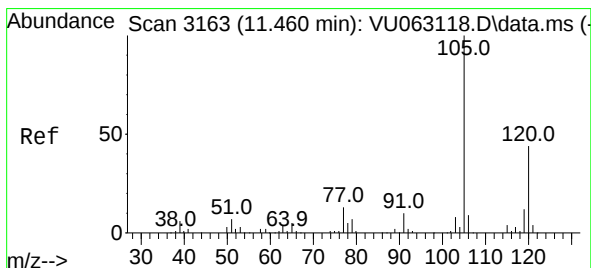
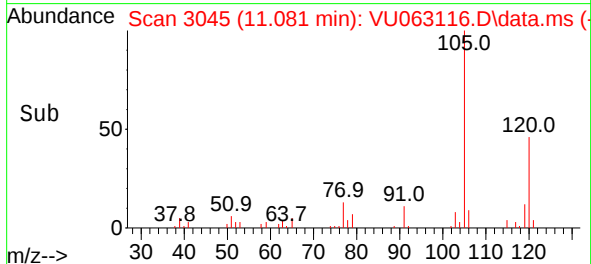
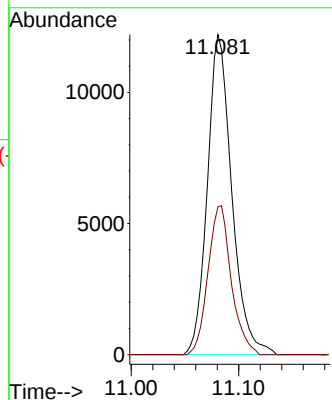
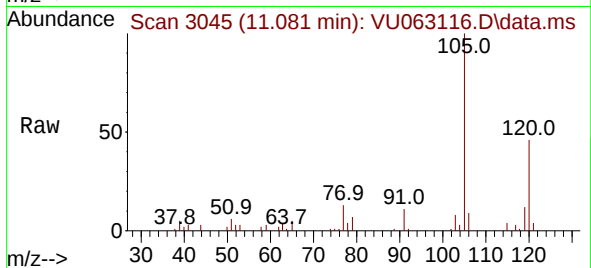
VSTD0.5080

Tgt Ion:105 Resp: 19264

Ion Ratio Lower Upper

105 100

120 44.3 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 0.463 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU063116.D

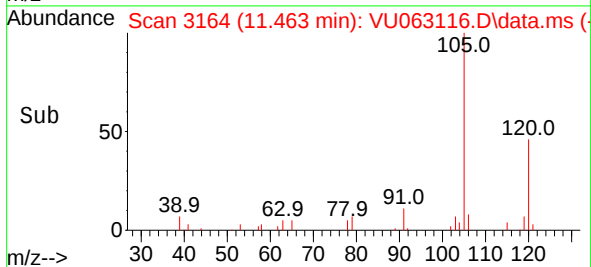
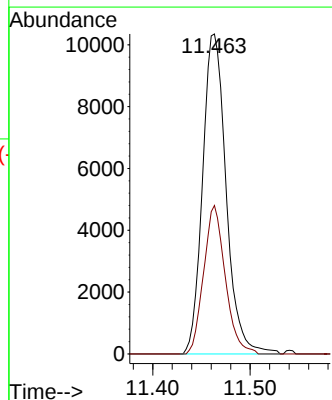
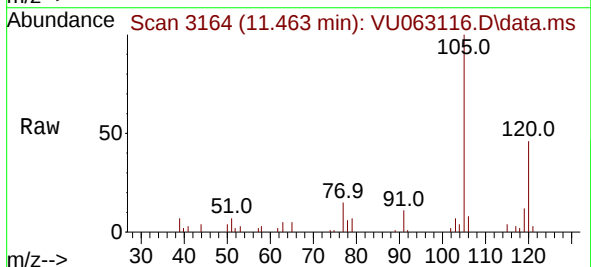
Acq: 04 Feb 2025 12:13

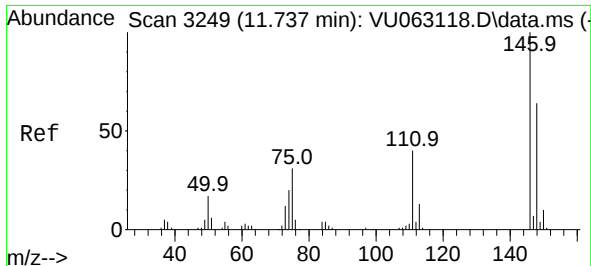
Tgt Ion:105 Resp: 17386

Ion Ratio Lower Upper

105 100

120 42.6 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 0.550 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5080

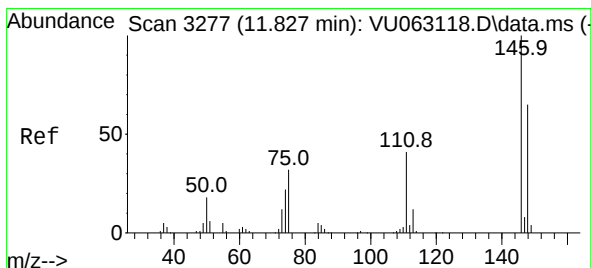
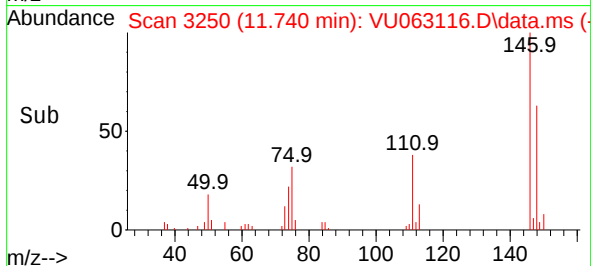
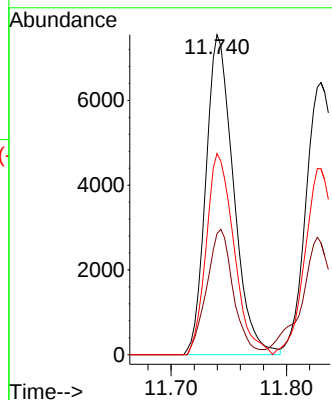
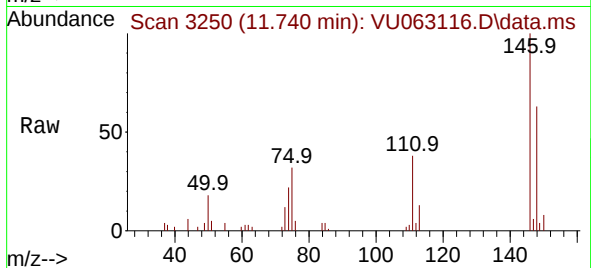
Tgt Ion:146 Resp: 12553

Ion Ratio Lower Upper

146 100

111 37.8 27.9 51.7

148 62.9 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 0.536 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

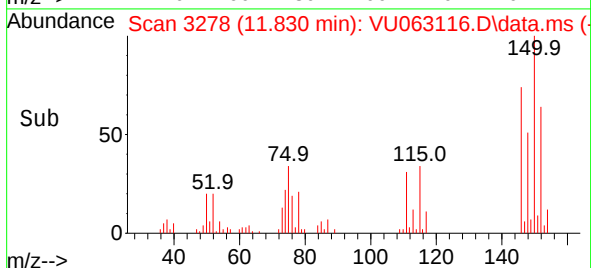
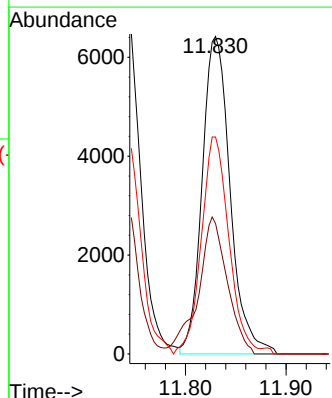
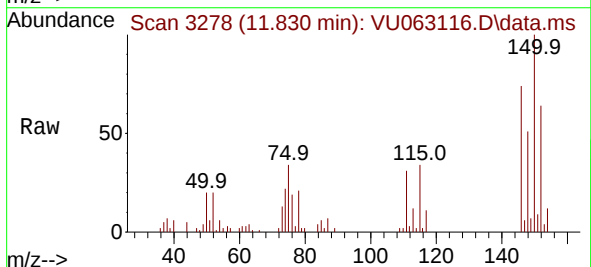
Tgt Ion:146 Resp: 12402

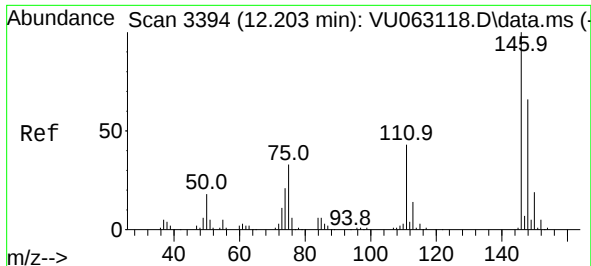
Ion Ratio Lower Upper

146 100

111 41.1 28.5 52.9

148 68.3 45.4 84.2

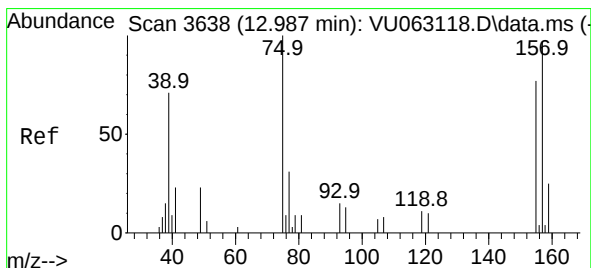
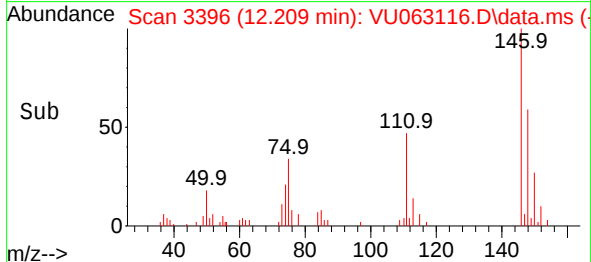
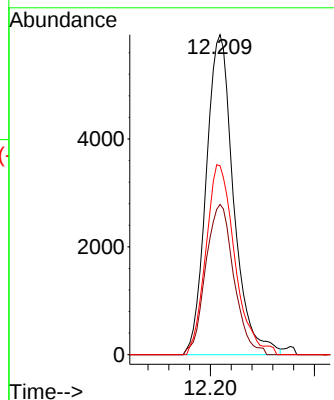
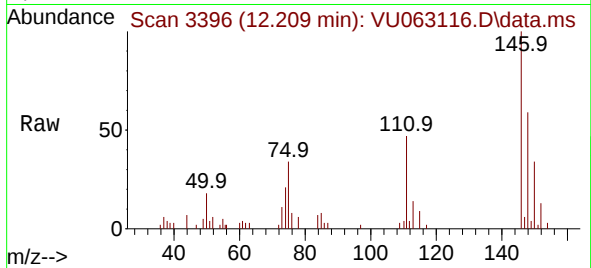




#67
1,2-Dichlorobenzene
Concen: 0.499 ug/L
RT: 12.209 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

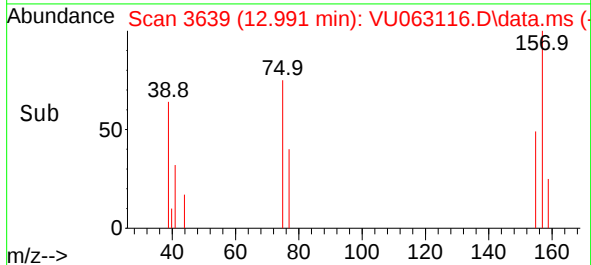
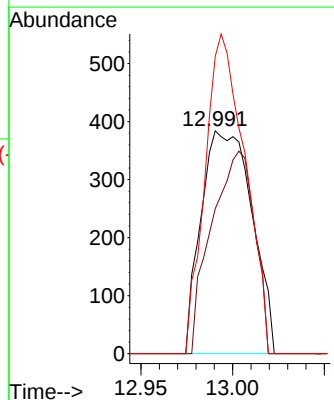
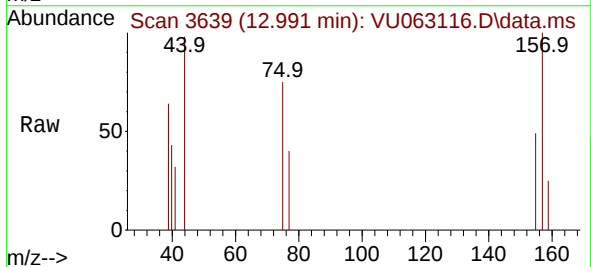
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

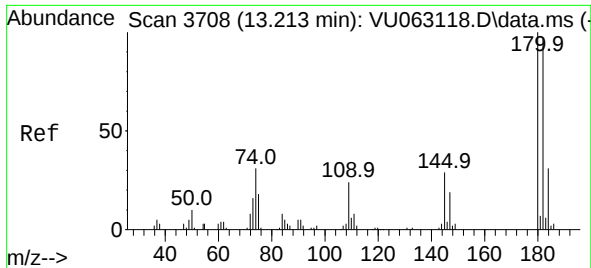
Tgt Ion:146 Resp: 10870
Ion Ratio Lower Upper
146 100
111 47.0 34.1 51.1
148 59.0 52.5 78.7



#68
1,2-Dibromo-3-chloropropane
Concen: 0.575 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion: 75 Resp: 740
Ion Ratio Lower Upper
75 100
155 65.1 61.6 92.4
157 133.3 77.4 116.0#





#69

1,3,5-Trichlorobenzene

Concen: 0.550 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5080

Tgt Ion:180 Resp: 8343

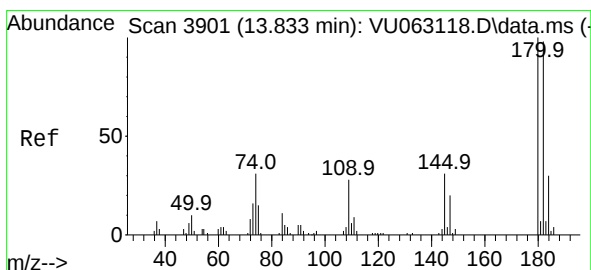
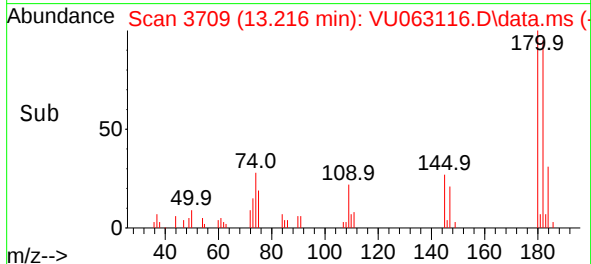
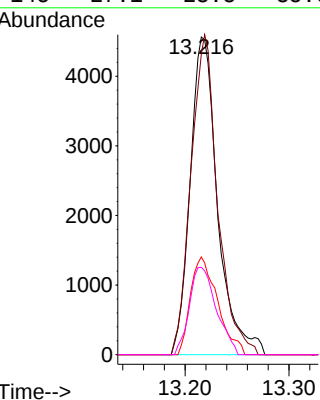
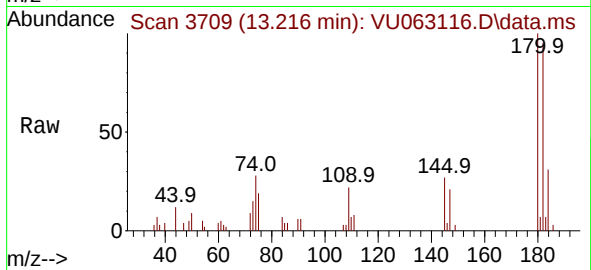
Ion Ratio Lower Upper

180 100

182 98.0 76.7 115.1

184 30.4 23.8 35.8

145 27.1 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 0.557 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU063116.D

Acq: 04 Feb 2025 12:13

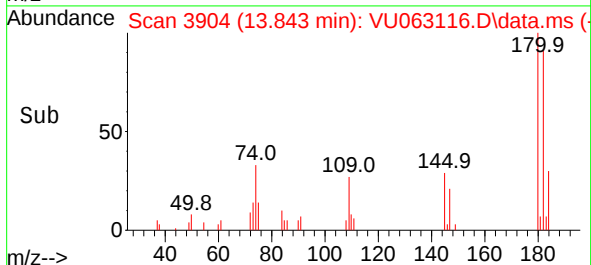
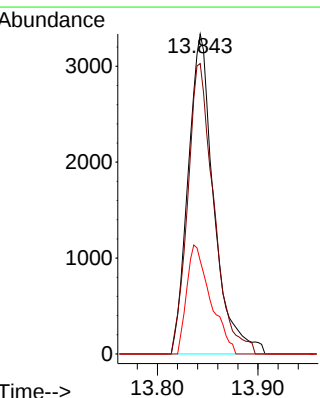
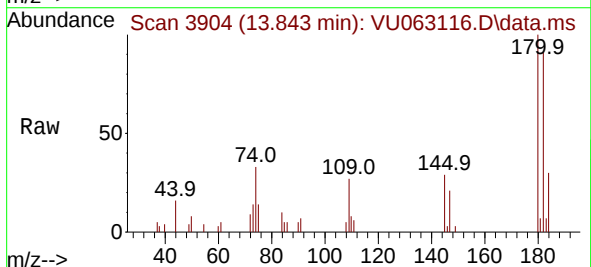
Tgt Ion:180 Resp: 5928

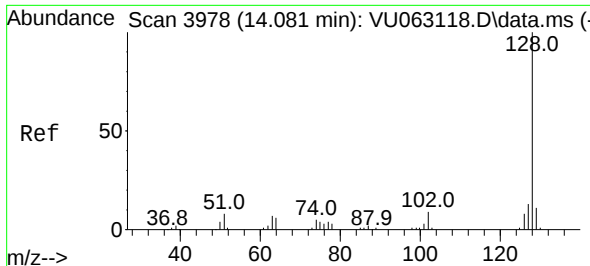
Ion Ratio Lower Upper

180 100

182 91.8 76.1 114.1

145 31.4 24.3 36.5

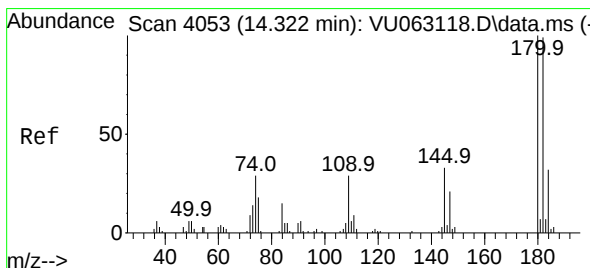
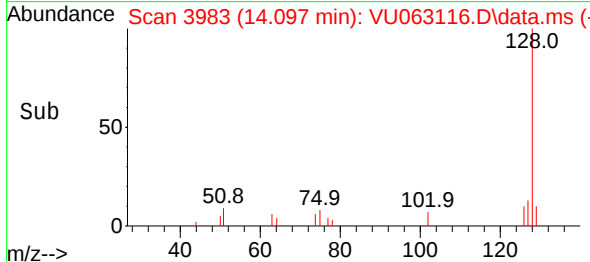
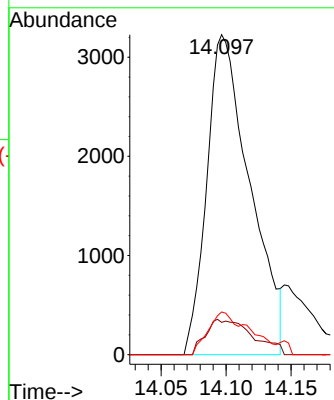
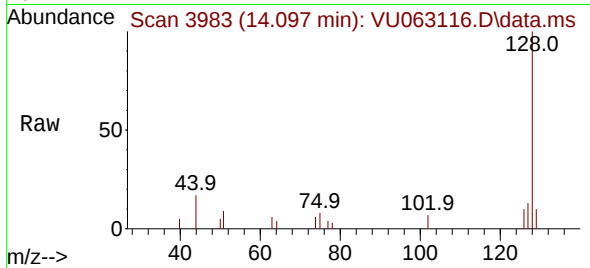




#71
Naphthalene
Concen: 0.468 ug/L
RT: 14.097 min Scan# 3983
Delta R.T. 0.016 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5080

Tgt Ion:128 Resp: 7439
Ion Ratio Lower Upper
128 100
129 12.0 8.0 12.0#
127 13.0 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 0.531 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.009 min
Lab File: VU063116.D
Acq: 04 Feb 2025 12:13

Tgt Ion:180 Resp: 5058
Ion Ratio Lower Upper
180 100
182 98.9 78.5 117.7
145 33.0 26.1 39.1

