

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012825\
 Data File : VU063064.D
 Acq On : 28 Jan 2025 13:53
 Operator : MD/SY
 Sample : Q1195-13DL 5X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 08:39:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	116614	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	109745	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	65212	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	14077	3.358	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.200%
7) Chloroethane-d5	1.901	69	13823	4.343	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.550	65	10074	4.018	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.400%
20) 2-Butanone-d5	4.631	46	62164	51.093	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.180%
24) Chloroform-d	5.049	84	75144	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.692	65	43342	4.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	5.714	84	119472	4.764	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.676	67	28836	4.516	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.888	98	113060	4.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.171	79	19061	4.822	ug/L	0.00
46) 2-Hexanone-d5	8.624	63	55206	55.970	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.940%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	32697	5.393	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.183	152	52317	4.482	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.476	50	2137	0.425	ug/L #	40
8) Chloroethane	1.927	64	743	0.262	ug/L #	55
13) Acetone	2.653	43	4648	5.908	ug/L	93
14) Carbon disulfide	2.782	76	2881	0.186	ug/L	99
16) Methylene chloride	3.033	84	1279	0.200	ug/L	75
35) Methylcyclohexane	6.676	83	8933	0.785	ug/L #	21
37) 1,2-Dichloropropane	6.679	63	4396	0.735	ug/L #	85
39) cis-1,3-Dichloropropene	7.550	75	1765	0.157	ug/L	98
40) 4-Methyl-2-pentanone	7.791	43	4299	1.490	ug/L #	74
42) Toluene	7.958	91	36053	1.141	ug/L	93
47) Tetrachloroethene	8.544	164	56955	7.248	ug/L	95
49) Dibromochloromethane	8.540	129	52440	5.971	ug/L #	12
52) Ethylbenzene	9.563	91	13607	0.369	ug/L	97
53) m,p-Xylene	9.682	106	14589	1.026	ug/L	99
54) o-Xylene	10.093	106	8752	0.672	ug/L	92
55) Styrene	10.113	104	2065	0.094	ug/L #	58
62) 1,3,5-Trimethylbenzene	11.081	105	4113	0.114	ug/L	95
63) 1,2,4-Trimethylbenzene	11.460	105	11396	0.333	ug/L	98
67) 1,2-Dichlorobenzene	12.199	146	2521	0.128	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.836	180	3134	0.187	ug/L	93

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 08:16:38 2025
Response via : Initial Calibration

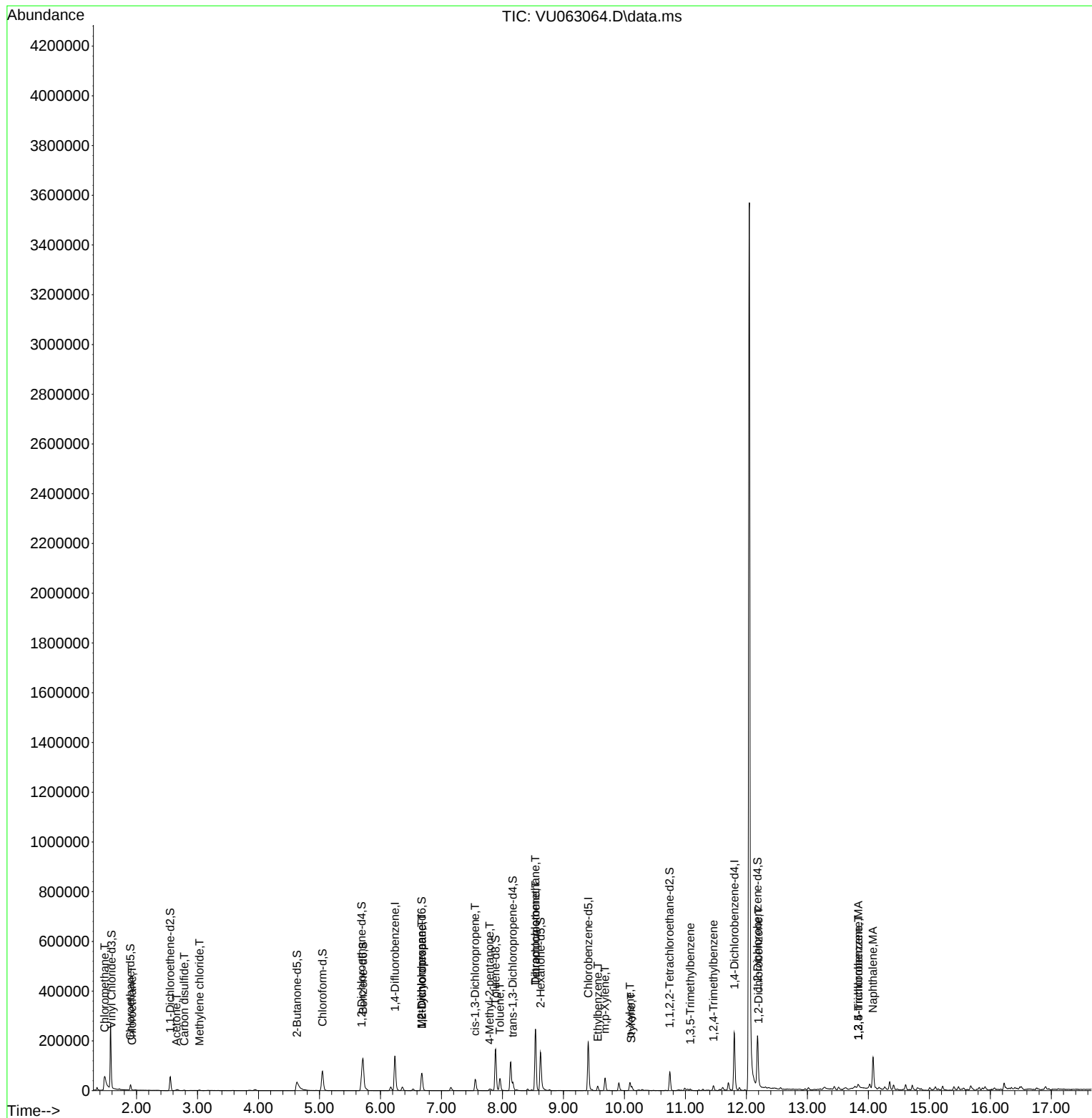
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.836	180	3134	0.239	ug/L	95
71) Naphthalene	14.077	128	107135	6.365	ug/L	99

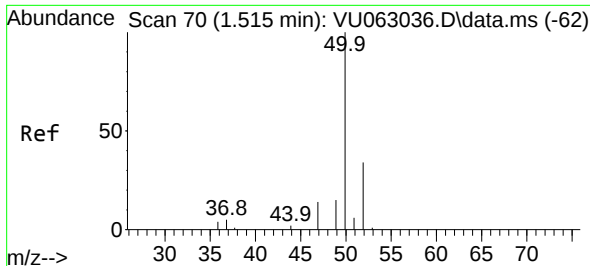
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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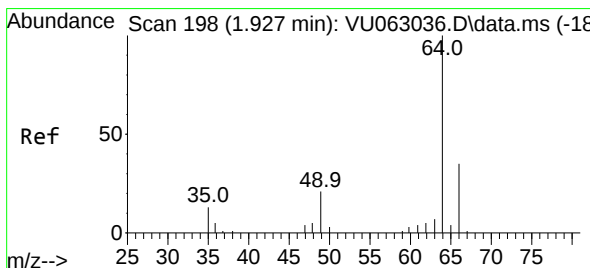
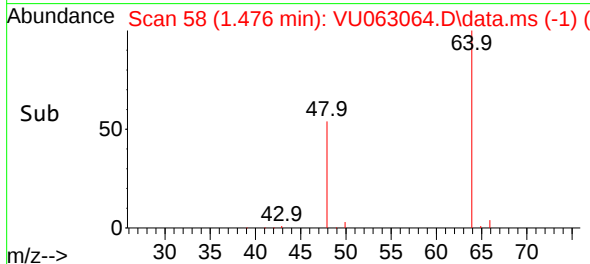
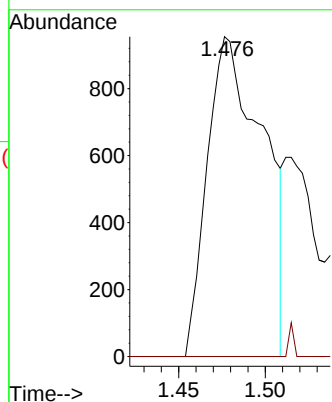
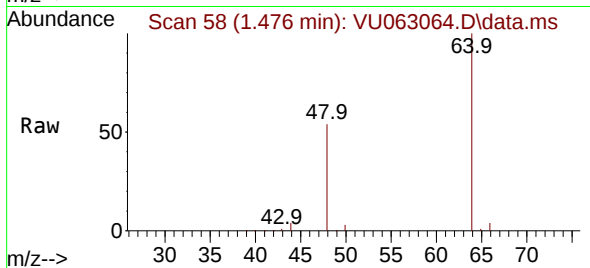




#3
Chloromethane
Concen: 0.425 ug/L
RT: 1.476 min Scan# 50
Delta R.T. -0.039 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

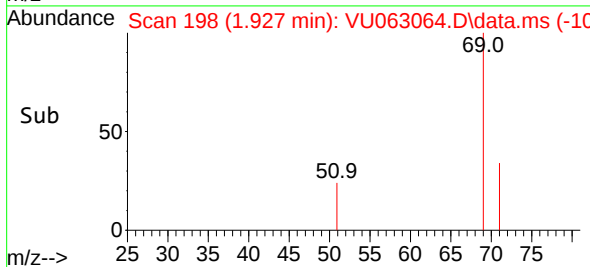
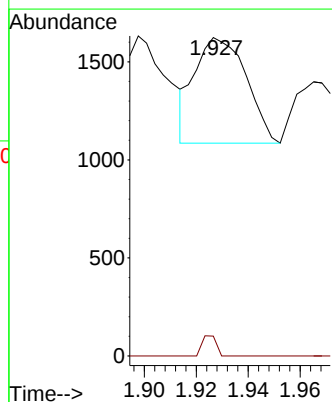
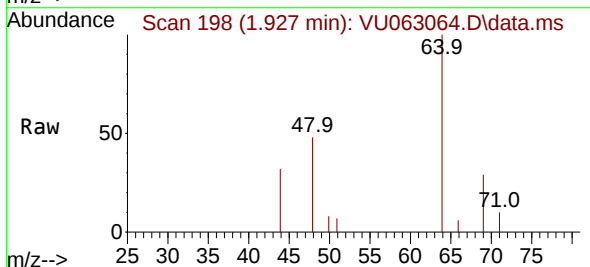
Instrument :
MSVOA_U
ClientSampleId :

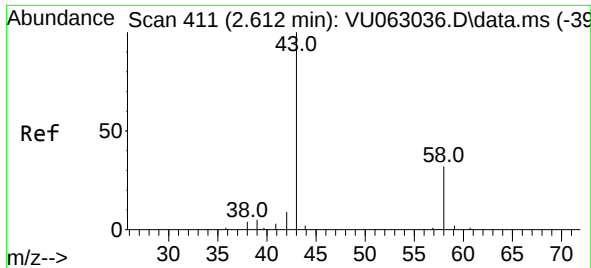
Tgt Ion: 50 Resp: 2137
Ion Ratio Lower Upper
50 100
52 0.0 24.1 44.7#



#8
Chloroethane
Concen: 0.262 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

Tgt Ion: 64 Resp: 743
Ion Ratio Lower Upper
64 100
66 6.2 21.6 40.2#





#13

Acetone

Concen: 5.908 ug/L

RT: 2.653 min Scan# 411

Delta R.T. 0.042 min

Lab File: VU063064.D

Acq: 28 Jan 2025 13:53

Instrument :

MSVOA_U

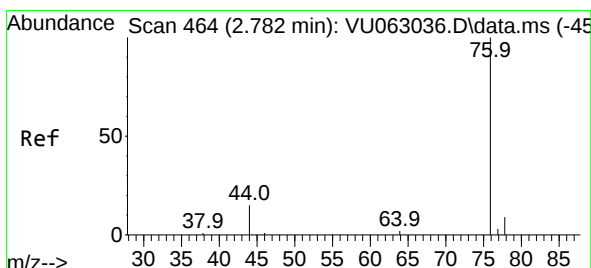
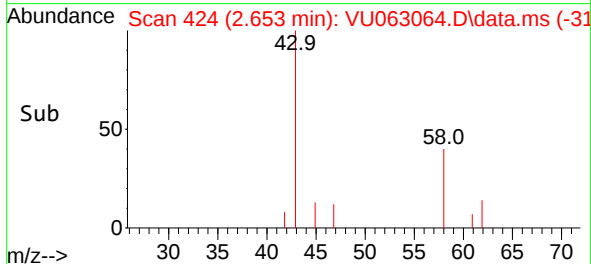
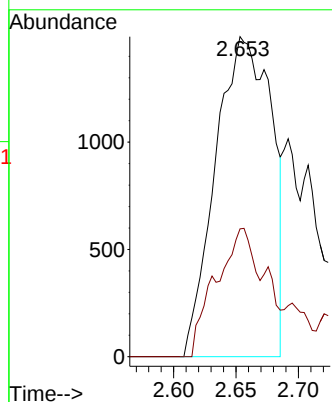
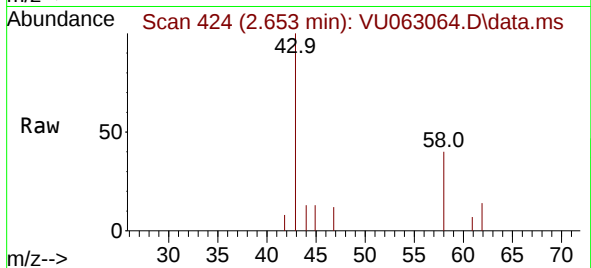
ClientSampleId :

Tgt Ion: 43 Resp: 4648

Ion Ratio Lower Upper

43 100

58 28.2 0.0 64.4



#14

Carbon disulfide

Concen: 0.186 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU063064.D

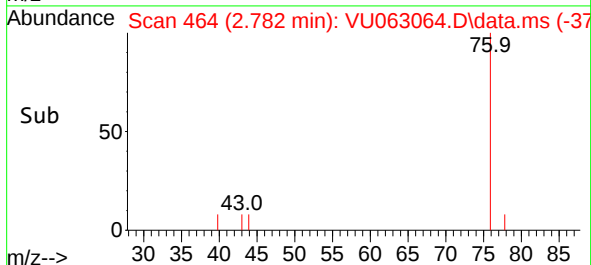
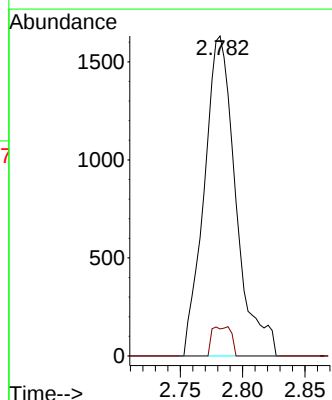
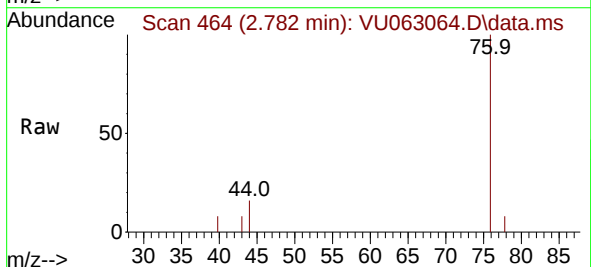
Acq: 28 Jan 2025 13:53

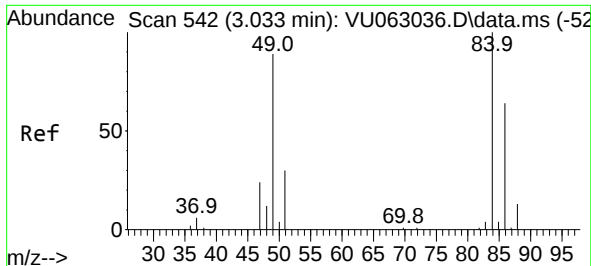
Tgt Ion: 76 Resp: 2881

Ion Ratio Lower Upper

76 100

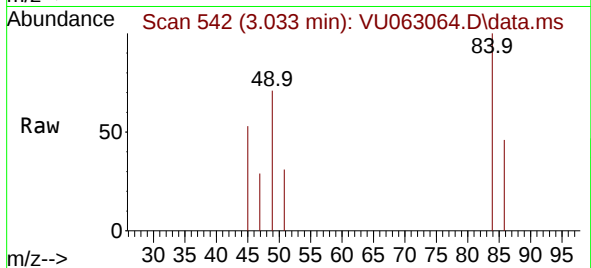
78 8.5 7.0 10.6



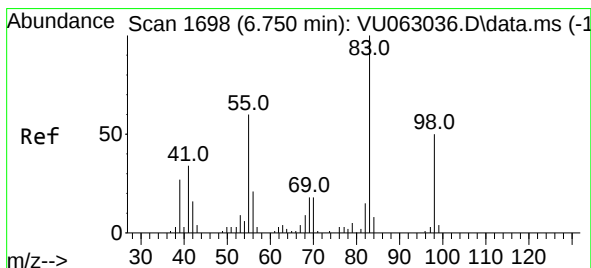
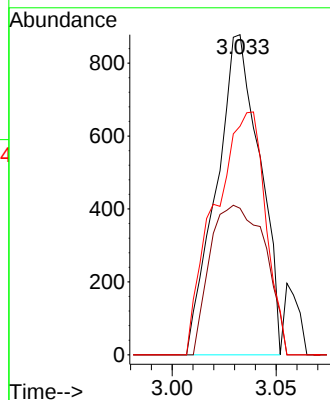
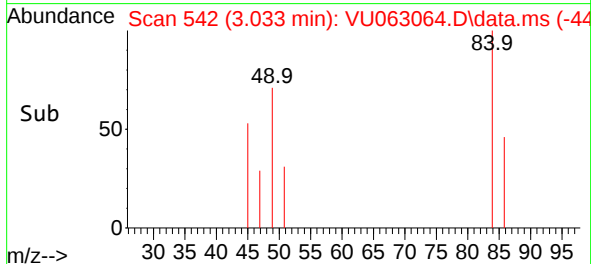


#16
Methylene chloride
Concen: 0.200 ug/L
RT: 3.033 min Scan# 54
Delta R.T. -0.000 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

Instrument :
MSVOA_U
ClientSampleId :

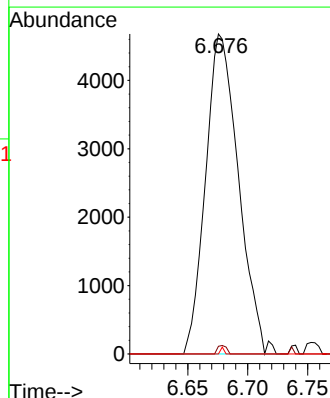
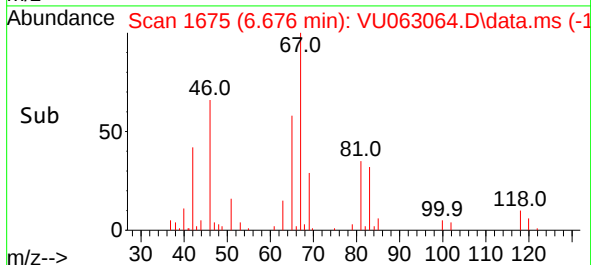
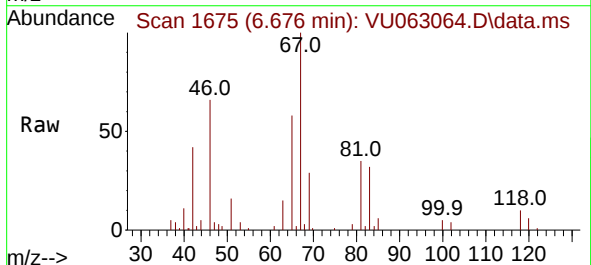


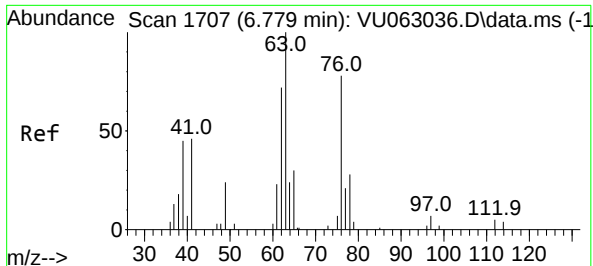
Tgt Ion: 84 Resp: 1279
Ion Ratio Lower Upper
84 100
86 45.8 44.7 83.1
49 71.4 68.3 126.9



#35
Methylcyclohexane
Concen: 0.785 ug/L
RT: 6.676 min Scan# 1675
Delta R.T. -0.077 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

Tgt Ion: 83 Resp: 8933
Ion Ratio Lower Upper
83 100
55 0.7 57.2 85.8#
98 0.2 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.735 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU063064.D

Acq: 28 Jan 2025 13:53

Instrument :

MSVOA_U

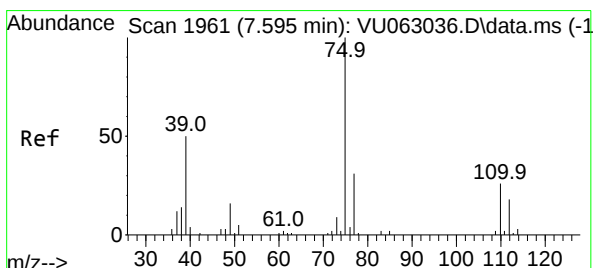
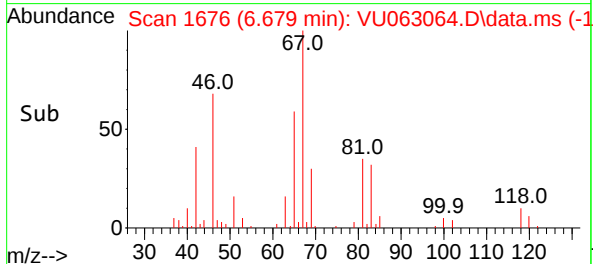
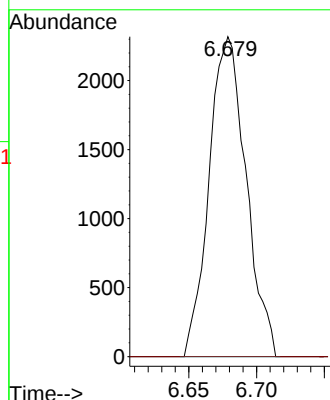
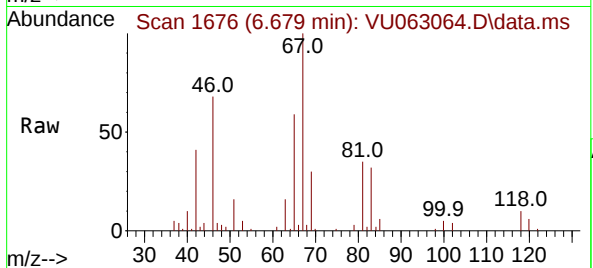
ClientSampleId :

Tgt Ion: 63 Resp: 4396

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.157 ug/L

RT: 7.550 min Scan# 1947

Delta R.T. -0.045 min

Lab File: VU063064.D

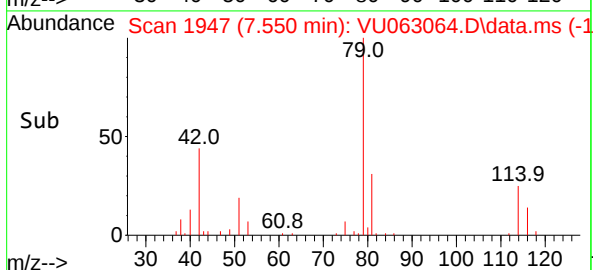
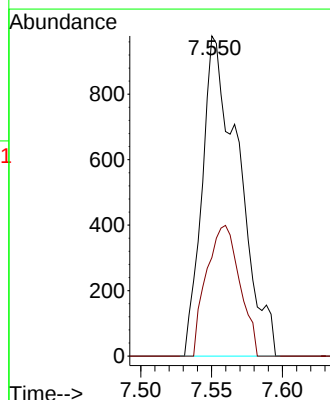
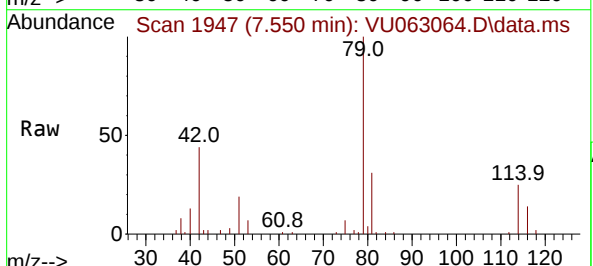
Acq: 28 Jan 2025 13:53

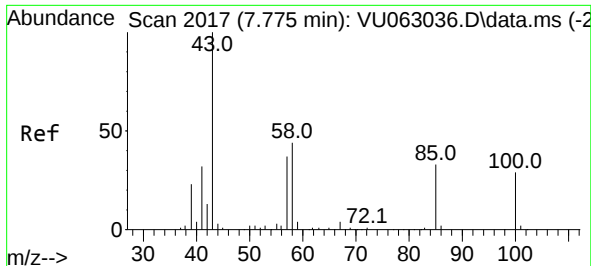
Tgt Ion: 75 Resp: 1765

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.3





#40

4-Methyl-2-pentanone

Concen: 1.490 ug/L

RT: 7.791 min Scan# 2017

Delta R.T. 0.016 min

Lab File: VU063064.D

Acq: 28 Jan 2025 13:53

Instrument :

MSVOA_U

ClientSampleId :

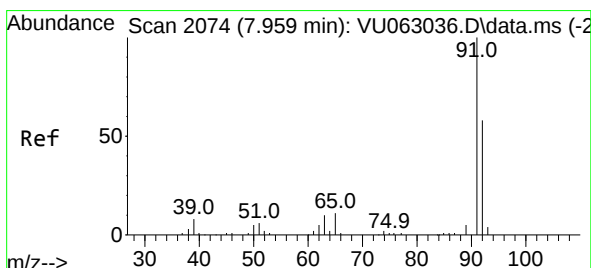
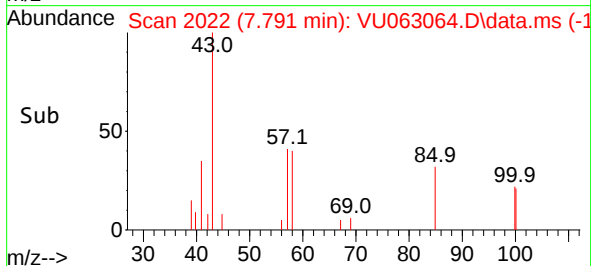
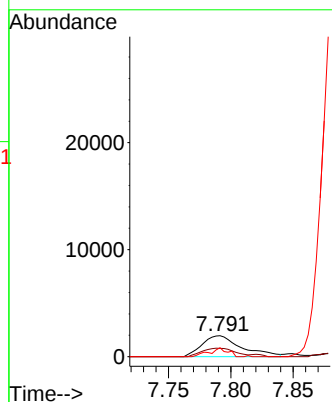
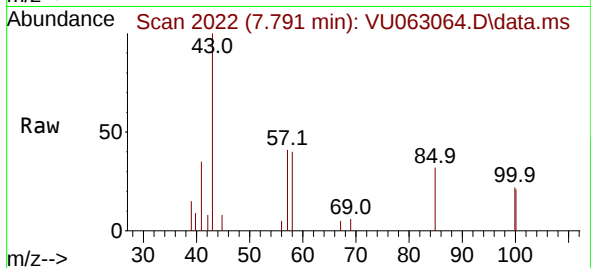
Tgt Ion: 43 Resp: 4299

Ion Ratio Lower Upper

43 100

58 33.5 35.8 53.8#

100 0.0 16.8 25.2#



#42

Toluene

Concen: 1.141 ug/L

RT: 7.958 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063064.D

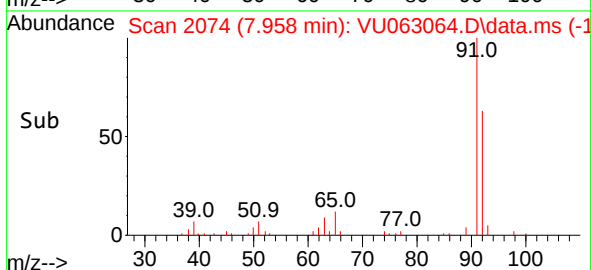
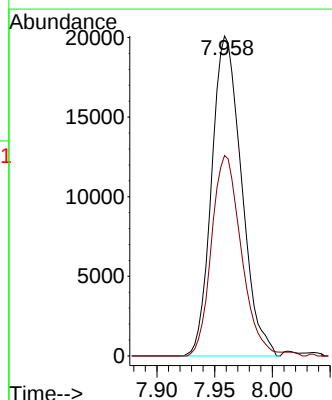
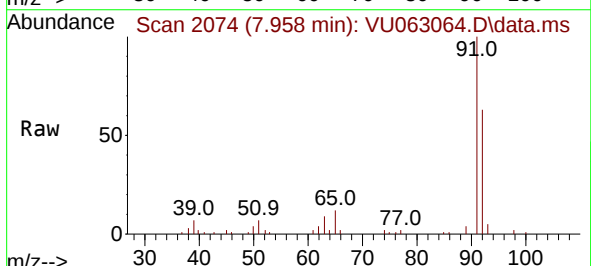
Acq: 28 Jan 2025 13:53

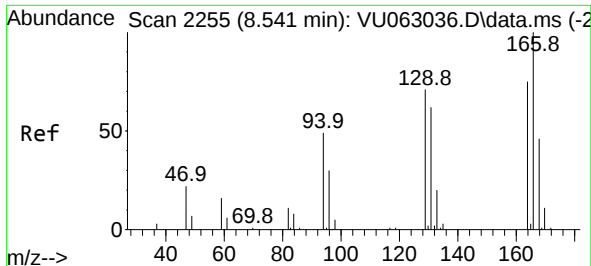
Tgt Ion: 91 Resp: 36053

Ion Ratio Lower Upper

91 100

92 62.6 40.4 75.0





#47

Tetrachloroethene

Concen: 7.248 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063064.D

Acq: 28 Jan 2025 13:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 56955

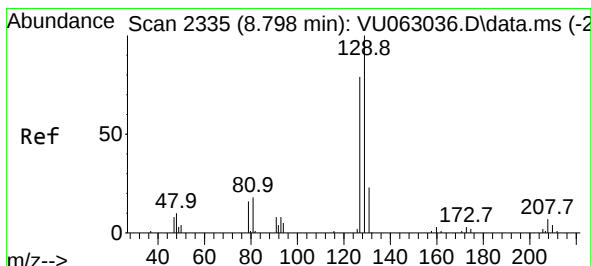
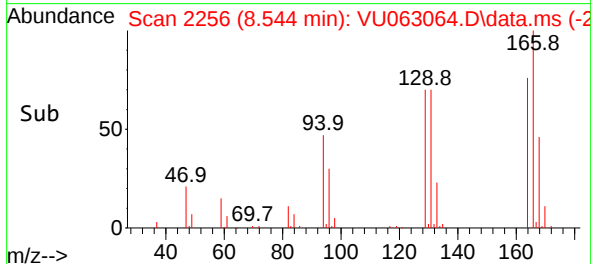
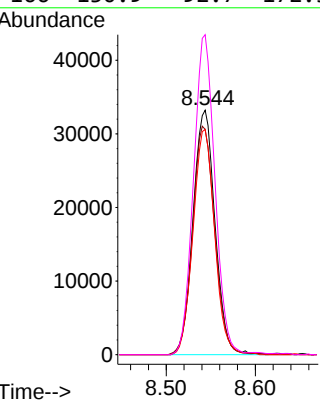
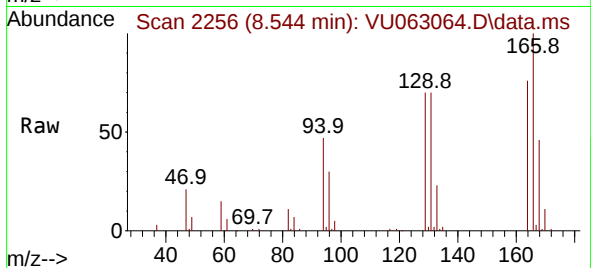
Ion Ratio Lower Upper

164 100

129 92.2 71.0 131.9

131 92.2 69.4 129.0

166 130.9 92.7 172.3



#49

Dibromochloromethane

Concen: 5.971 ug/L

RT: 8.540 min Scan# 2255

Delta R.T. -0.258 min

Lab File: VU063064.D

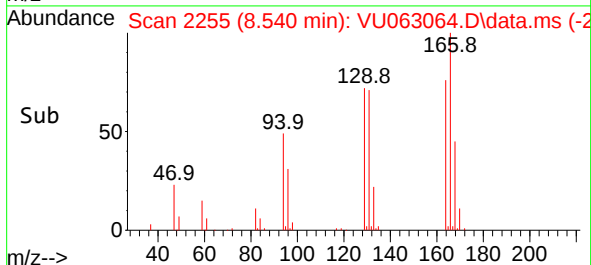
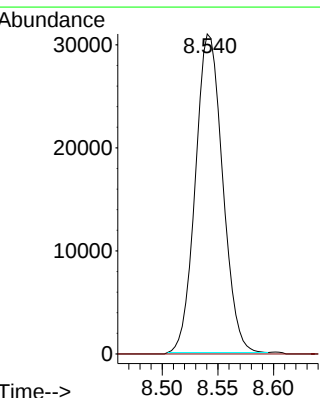
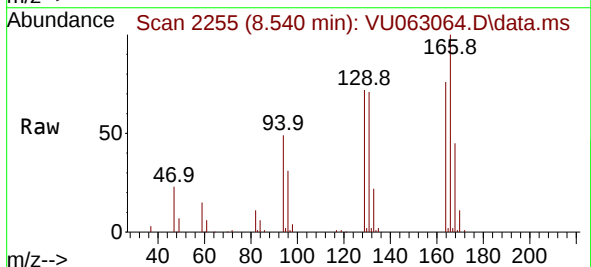
Acq: 28 Jan 2025 13:53

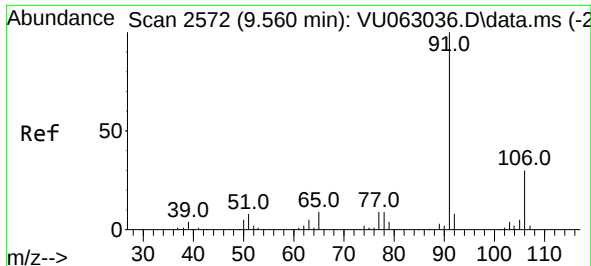
Tgt Ion:129 Resp: 52440

Ion Ratio Lower Upper

129 100

127 0.0 52.1 96.9#

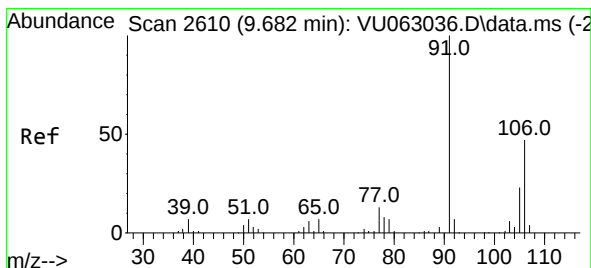
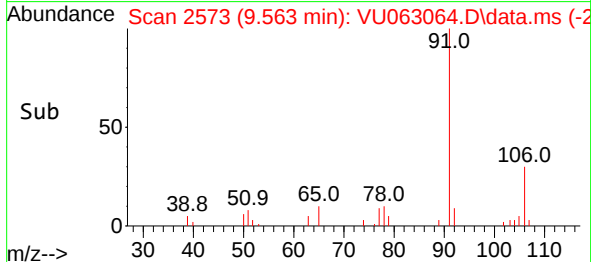
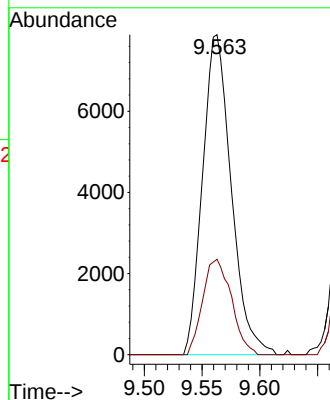
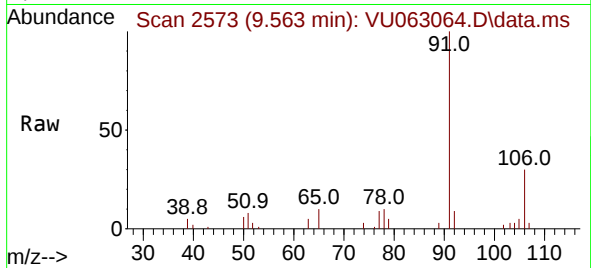




#52
Ethylbenzene
Concen: 0.369 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

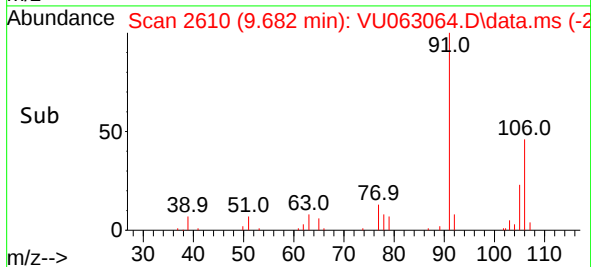
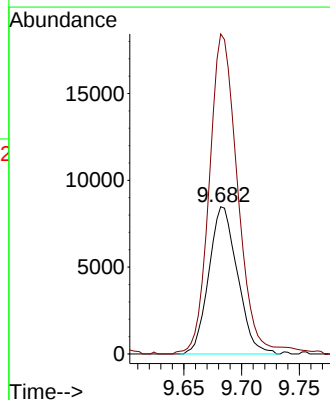
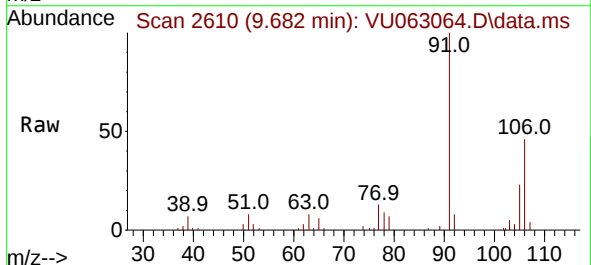
Instrument :
MSVOA_U
ClientSampleId :

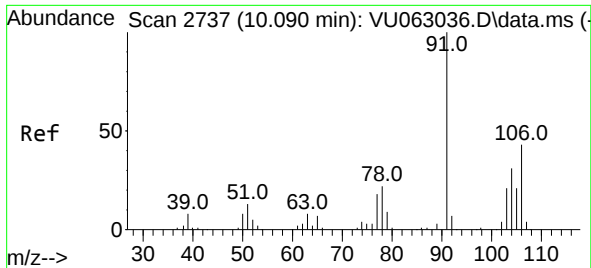
Tgt Ion: 91 Resp: 13607
Ion Ratio Lower Upper
91 100
106 29.8 21.9 40.7



#53
m,p-Xylene
Concen: 1.026 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

Tgt Ion:106 Resp: 14589
Ion Ratio Lower Upper
106 100
91 217.3 153.1 284.3

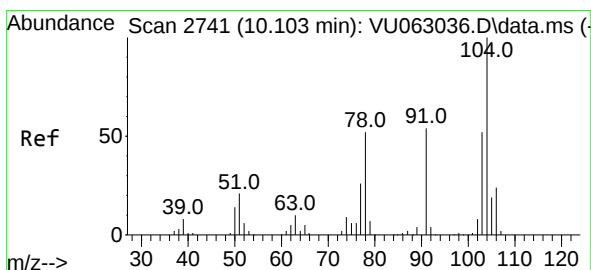
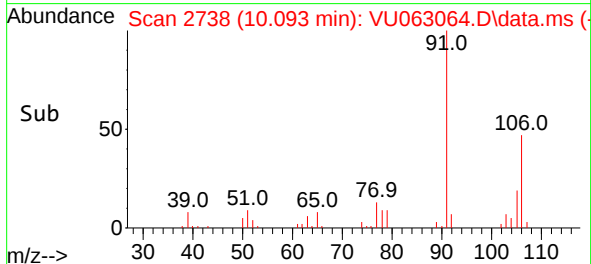
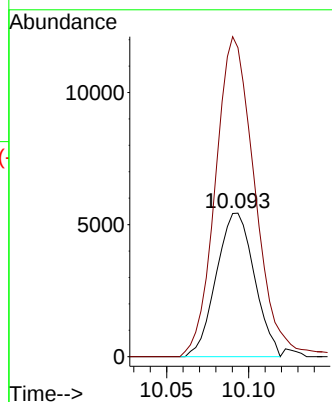
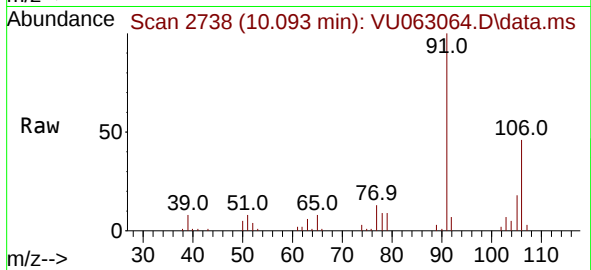




#54
o-Xylene
Concen: 0.672 ug/L
RT: 10.093 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

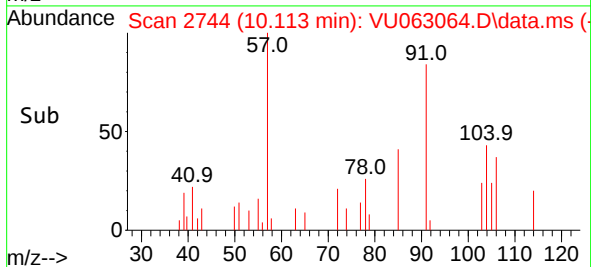
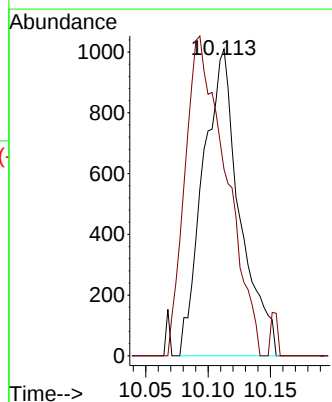
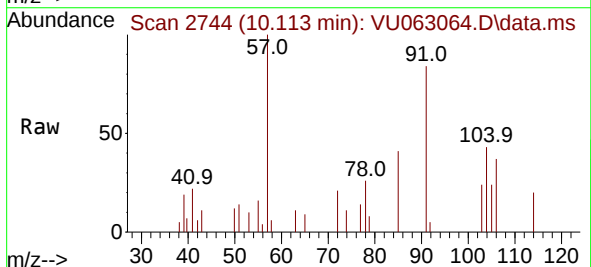
Instrument :
MSVOA_U
ClientSampleId :

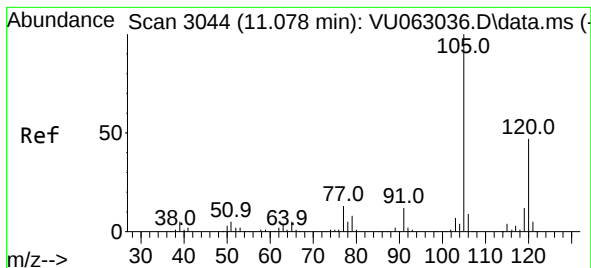
Tgt Ion:106 Resp: 8752
Ion Ratio Lower Upper
106 100
91 215.2 160.4 297.8



#55
Styrene
Concen: 0.094 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

Tgt Ion:104 Resp: 2065
Ion Ratio Lower Upper
104 100
78 79.5 35.5 65.9#





#62

1,3,5-Trimethylbenzene

Concen: 0.114 ug/L

RT: 11.081 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063064.D

Acq: 28 Jan 2025 13:53

Instrument :

MSVOA_U

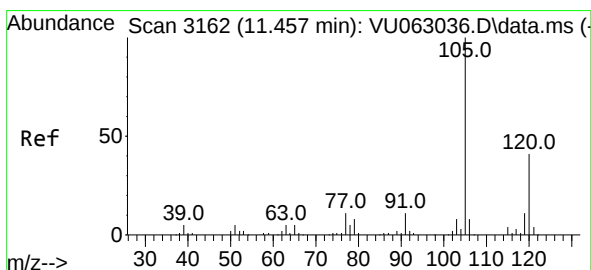
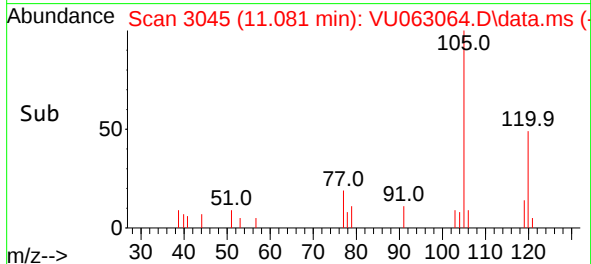
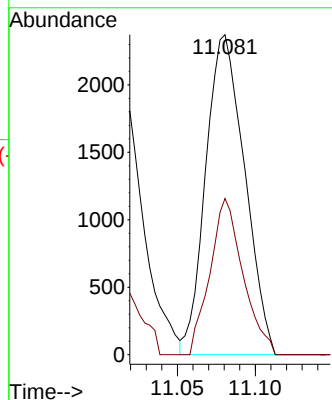
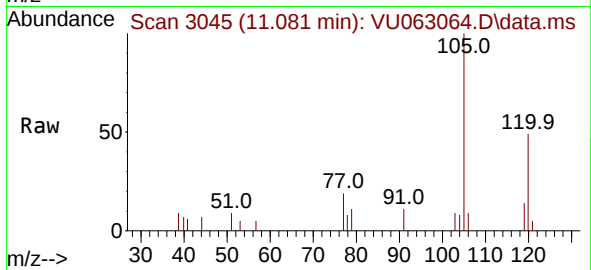
ClientSampleId :

Tgt Ion:105 Resp: 4113

Ion Ratio Lower Upper

105 100

120 41.4 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 0.333 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063064.D

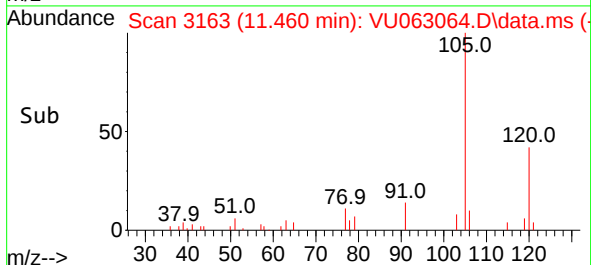
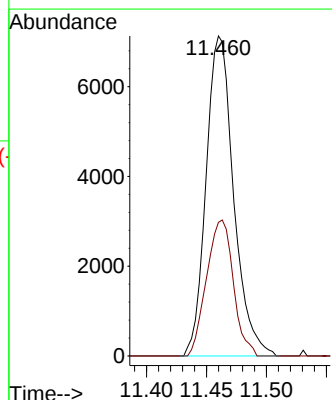
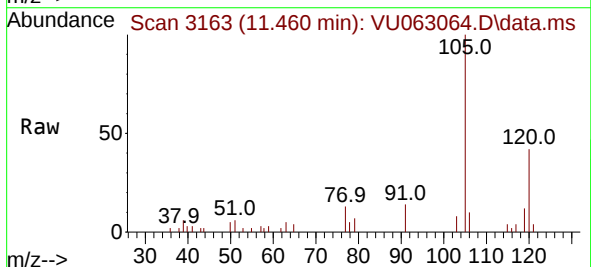
Acq: 28 Jan 2025 13:53

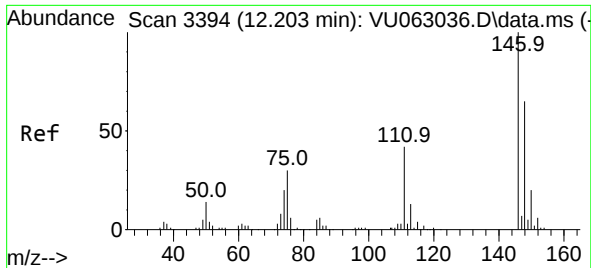
Tgt Ion:105 Resp: 11396

Ion Ratio Lower Upper

105 100

120 41.2 34.2 51.2

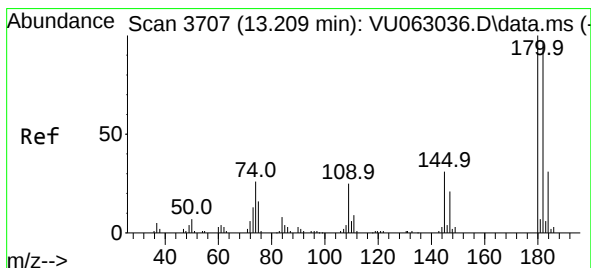
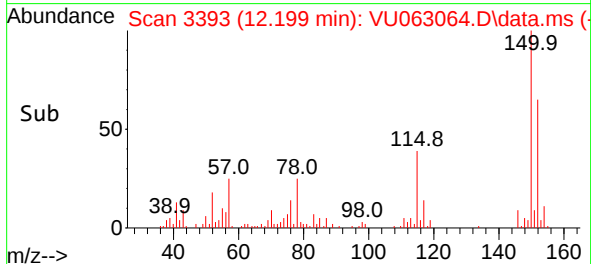
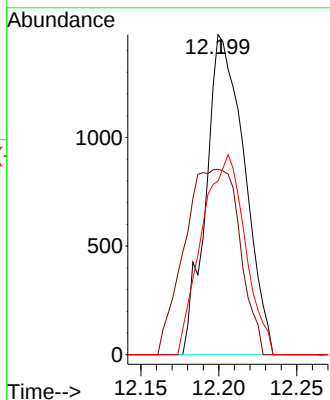
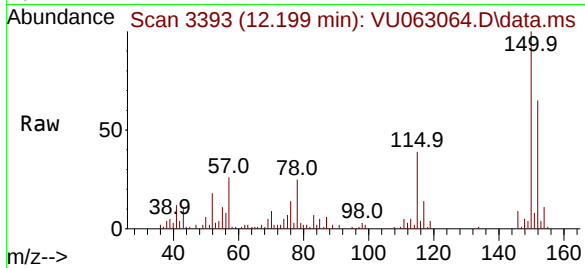




#67
1,2-Dichlorobenzene
Concen: 0.128 ug/L
RT: 12.199 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

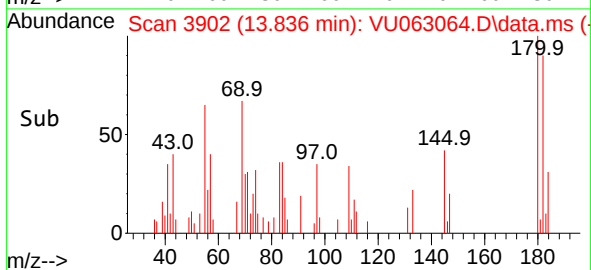
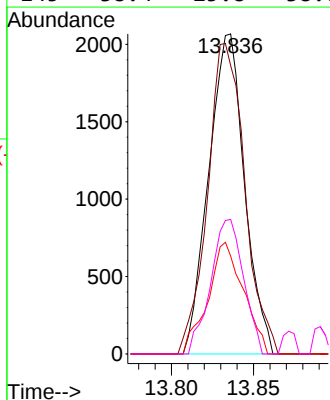
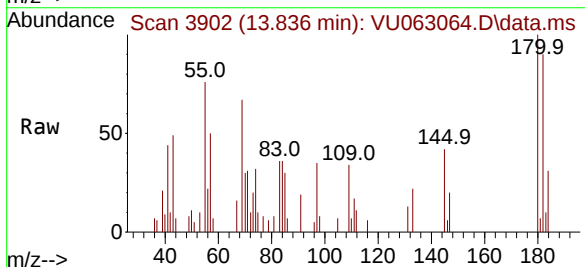
Instrument :
MSVOA_U
ClientSampleId :

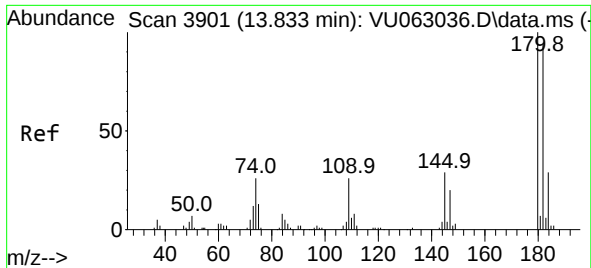
Tgt Ion:146 Resp: 2521
Ion Ratio Lower Upper
146 100
111 58.0 36.3 54.5#
148 54.2 52.0 78.0



#69
1,3,5-Trichlorobenzene
Concen: 0.187 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.627 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

Tgt Ion:180 Resp: 3134
Ion Ratio Lower Upper
180 100
182 100.5 75.8 113.8
184 34.6 24.7 37.1
145 38.4 25.8 38.6

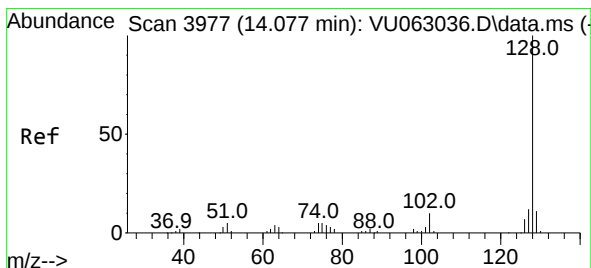
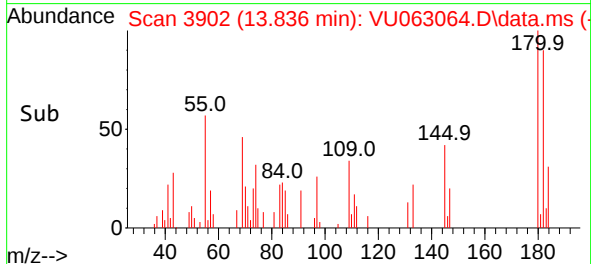
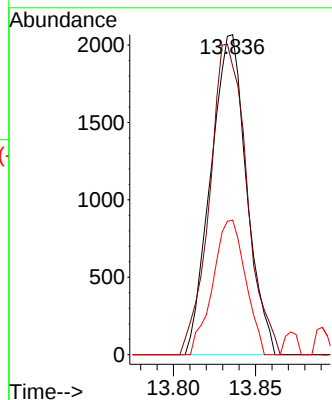
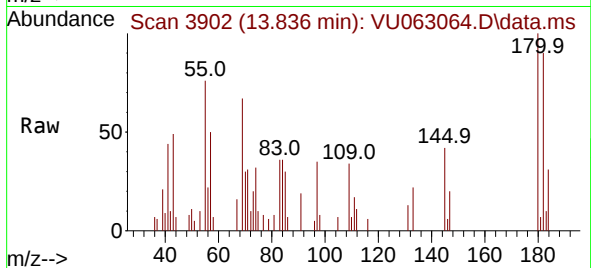




#70
1,2,4-trichlorobenzene
Concen: 0.239 ug/L
RT: 13.836 min Scan# 3901
Delta R.T. 0.003 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 3134
Ion Ratio Lower Upper
180 100
182 100.5 77.1 115.7
145 38.4 26.9 40.3



#71
Naphthalene
Concen: 6.365 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.003 min
Lab File: VU063064.D
Acq: 28 Jan 2025 13:53

Tgt Ion:128 Resp: 107135
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.5 10.2 15.2

