

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020525\
 Data File : VU063165.D
 Acq On : 05 Feb 2025 17:31
 Operator : MD/SY
 Sample : Q1226-18MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 06 07:31:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 06 07:25:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	83244	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	79805	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	38618	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	20004	4.201	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.000%
7) Chloroethane-d5	1.901	69	20878	4.724	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.554	65	9858	4.638	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.800%
20) 2-Butanone-d5	4.605	46	83228	53.095	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.200%
24) Chloroform-d	5.049	84	53077	5.042	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.689	65	27758	5.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.714	84	99380	4.774	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.676	67	33413	4.869	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.888	98	89612	4.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
43) trans-1,3-Dichloroprop...	8.171	79	12349	4.802	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.618	63	67465	52.128	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.260%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	30537	5.041	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	31451	4.877	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	37450	5.193	ug/L	99
3) Chloromethane	1.515	50	39315	4.976	ug/L	99
5) Vinyl chloride	1.599	62	41582	5.199	ug/L	99
6) Bromomethane	1.843	94	13439	3.342	ug/L	96
8) Chloroethane	1.920	64	26213	5.441	ug/L	100
9) Trichlorofluoromethane	2.126	101	49065	5.462	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	29502	5.343	ug/L	99
12) 1,1-Dichloroethene	2.567	96	28609	5.287	ug/L	97
13) Acetone	2.612	43	54454	55.165	ug/L	100
14) Carbon disulfide	2.779	76	98936	5.208	ug/L	99
15) Methyl Acetate	2.939	43	13433	4.983	ug/L	97
16) Methylene chloride	3.030	84	33730	5.211	ug/L	99
17) Methyl tert-butyl Ether	3.348	73	76569	5.135	ug/L	99
18) trans-1,2-Dichloroethene	3.338	96	31943	5.521	ug/L	99
19) 1,1-Dichloroethane	3.853	63	61715	5.306	ug/L	98
21) 2-Butanone	4.685	43	89366	54.527	ug/L	98
22) cis-1,2-Dichloroethene	4.650	96	81068	12.560	ug/L	99
23) Bromochloromethane	4.962	128	15678	5.415	ug/L	94
25) Chloroform	5.071	83	62213	5.434	ug/L	99

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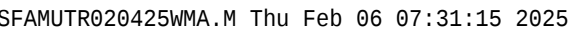
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 ClientSampleId :

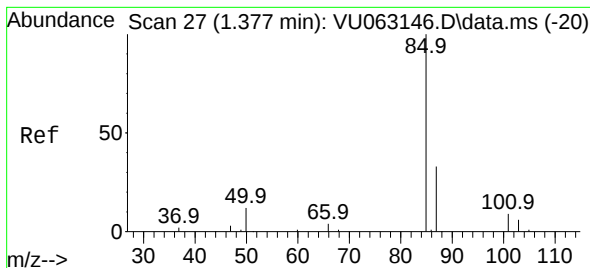
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	39861	5.285	ug/L	100
29) 1,1,1-Trichloroethane	5.300	97	50410	5.337	ug/L	99
30) Cyclohexane	5.373	56	51574	5.158	ug/L	99
31) Carbon tetrachloride	5.512	117	42670	5.353	ug/L	99
33) Benzene	5.759	78	141769	5.398	ug/L	100
34) Trichloroethene	6.528	95	106652	15.990	ug/L	98
35) Methylcyclohexane	6.750	83	50957	5.098	ug/L	99
37) 1,2-Dichloropropane	6.779	63	38066	5.435	ug/L	100
38) Bromodichloromethane	7.094	83	43874	5.216	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	51379	5.144	ug/L	99
40) 4-Methyl-2-pentanone	7.775	43	219270	53.037	ug/L	99
42) Toluene	7.959	91	146556	5.339	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	43297	5.178	ug/L	100
45) 1,1,2-Trichloroethane	8.386	97	26727	5.167	ug/L	99
47) Tetrachloroethene	8.544	164	375735	80.209	ug/L	100
48) 2-Hexanone	8.669	43	159937	54.835	ug/L	99
49) Dibromochloromethane	8.798	129	29025	5.331	ug/L	98
50) 1,2-Dibromoethane	8.914	107	24960	5.261	ug/L	99
51) Chlorobenzene	9.434	112	92409	5.577	ug/L	98
52) Ethylbenzene	9.560	91	151752	5.285	ug/L	98
53) m,p-Xylene	9.682	106	56886	5.493	ug/L	99
54) o-Xylene	10.090	106	60076	5.850	ug/L	97
55) Styrene	10.103	104	90605	5.360	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.772	83	34502	5.196	ug/L	99
59) Bromoform	10.280	173	17220	5.172	ug/L	99
60) Isopropylbenzene	10.473	105	155224	5.660	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	23839	5.115	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	112293	5.191	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	134536	6.468	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	64847	5.219	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	65749	5.263	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	67850	5.844	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	5125	5.497	ug/L	98
69) 1,3,5-Trichlorobenzene	13.209	180	43120	5.079	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	33370	4.996	ug/L	99
71) Naphthalene	14.081	128	55255	5.041	ug/L	98
72) 1,2,3-Trichlorobenzene	14.318	180	30889	5.176	ug/L	98

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

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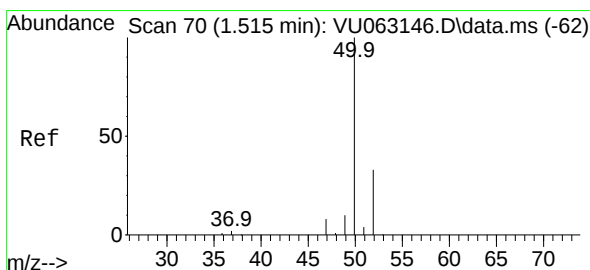
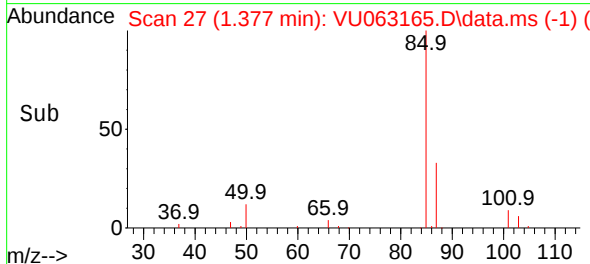
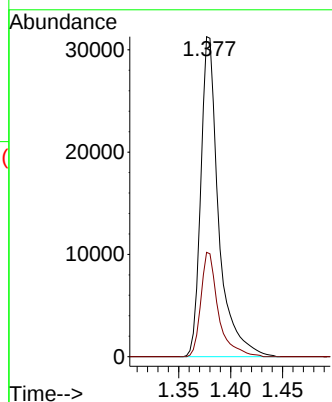
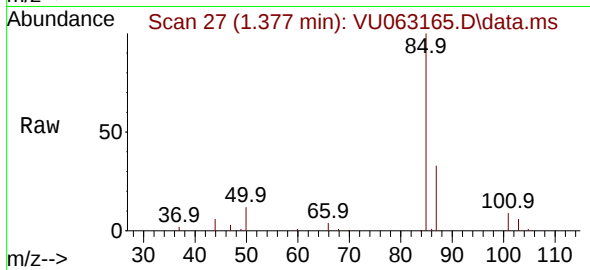




#2
 Dichlorodifluoromethane
 Concen: 5.193 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063165.D
 Acq: 05 Feb 2025 17:31

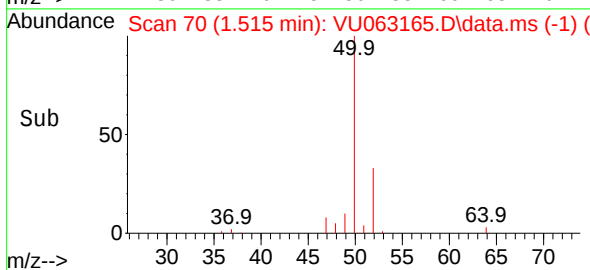
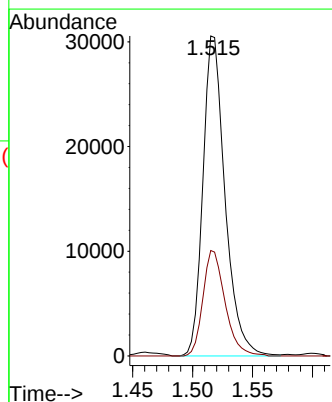
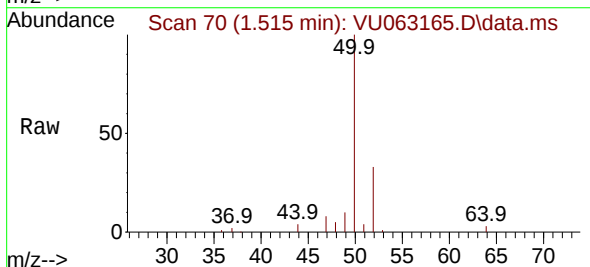
Instrument :
 MSVOA_U
 ClientSampleId :

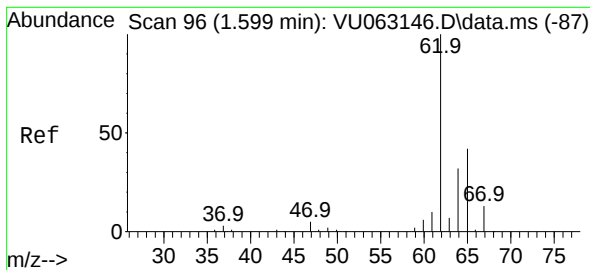
Tgt Ion: 85 Resp: 37450
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9



#3
 Chloromethane
 Concen: 4.976 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063165.D
 Acq: 05 Feb 2025 17:31

Tgt Ion: 50 Resp: 39315
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.4 43.6





#5

Vinyl chloride

Concen: 5.199 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

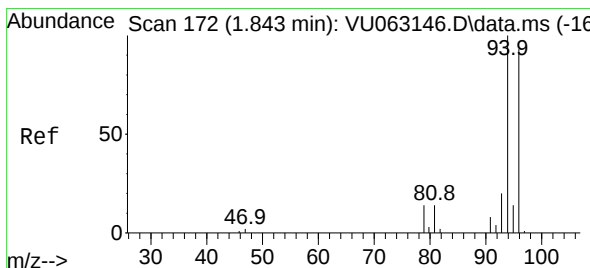
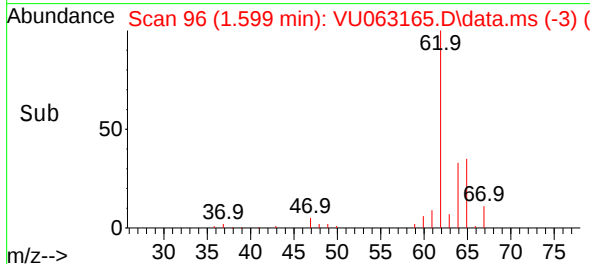
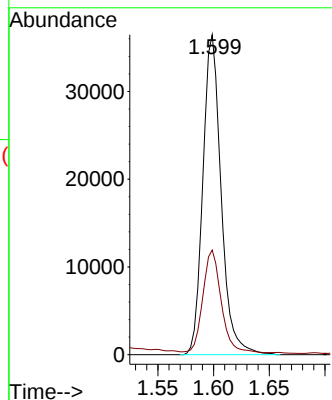
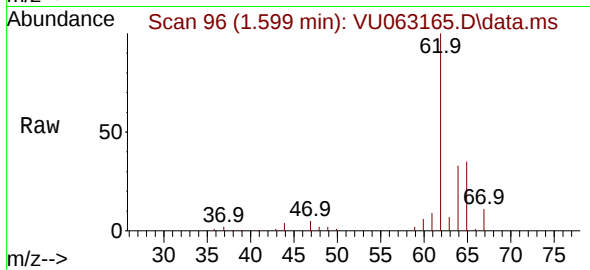
ClientSampleId :

Tgt Ion: 62 Resp: 41582

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.0



#6

Bromomethane

Concen: 3.342 ug/L

RT: 1.843 min Scan# 172

Delta R.T. 0.000 min

Lab File: VU063165.D

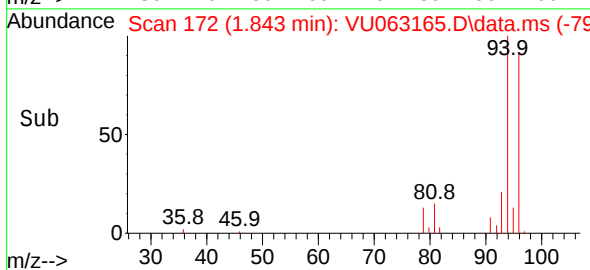
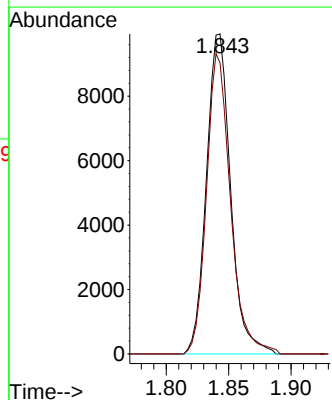
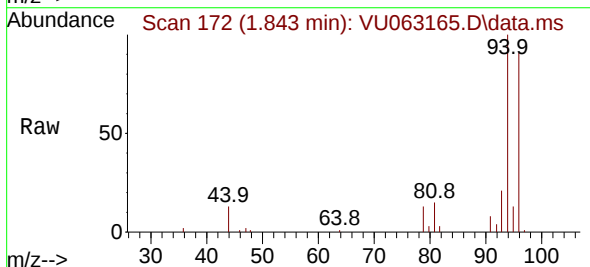
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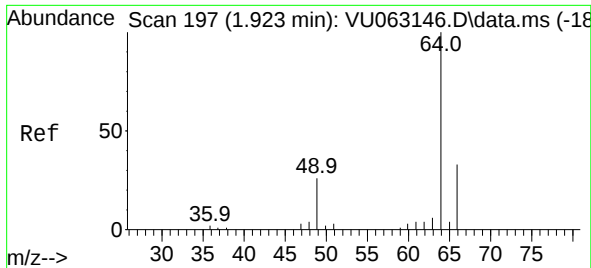
Tgt Ion: 94 Resp: 13439

Ion Ratio Lower Upper

94 100

96 90.9 66.3 123.1

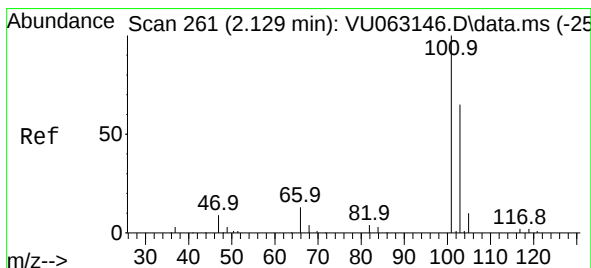
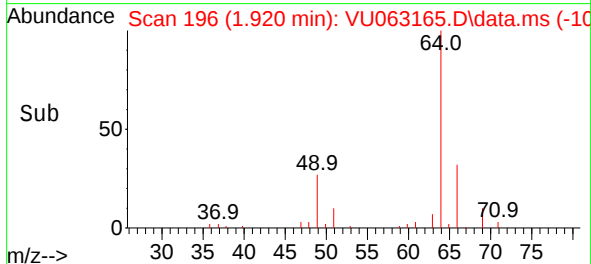
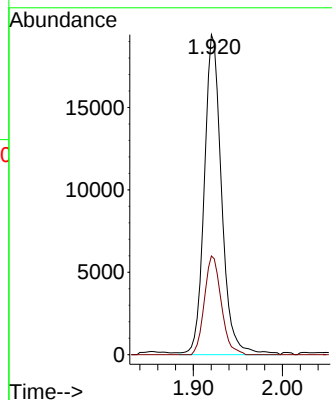
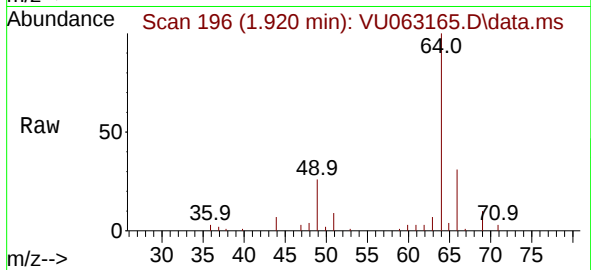




#8
Chloroethane
Concen: 5.441 ug/L
RT: 1.920 min Scan# 197
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

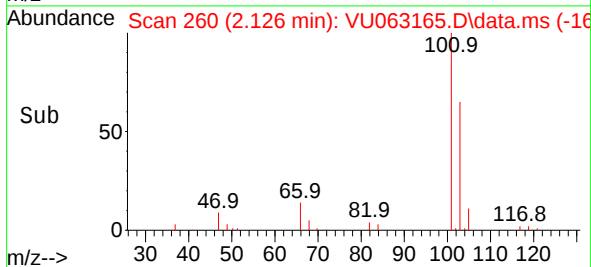
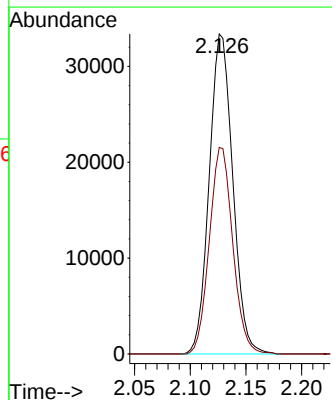
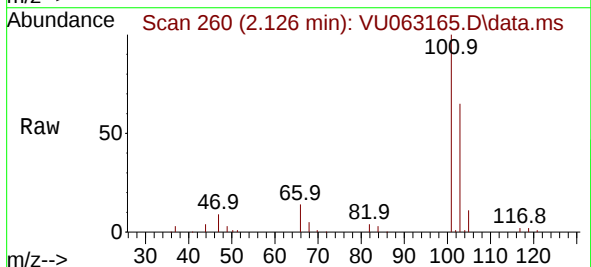
Instrument :
MSVOA_U
ClientSampleId :

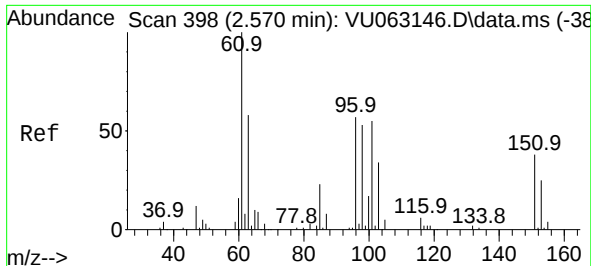
Tgt Ion: 64 Resp: 26213
Ion Ratio Lower Upper
64 100
66 30.9 21.7 40.3



#9
Trichlorofluoromethane
Concen: 5.462 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Tgt Ion:101 Resp: 49065
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.8

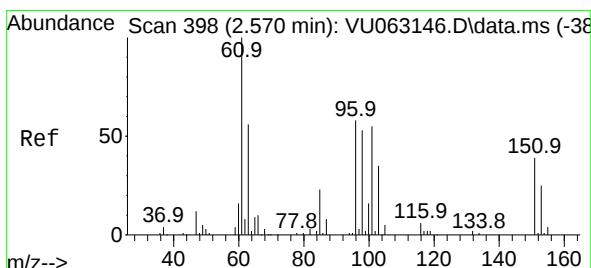
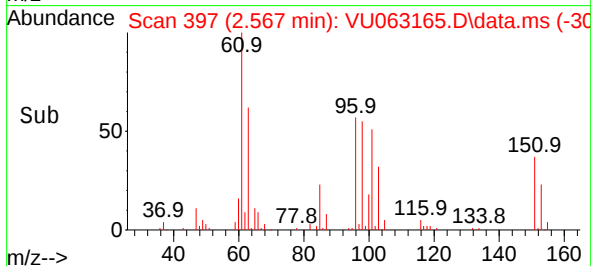
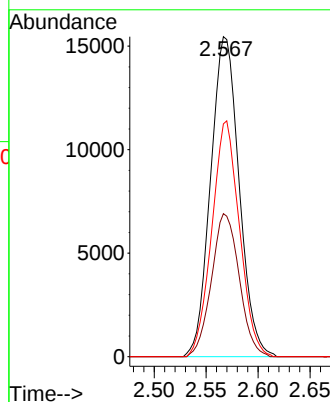
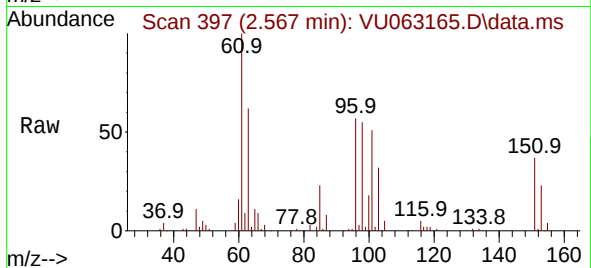




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.343 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

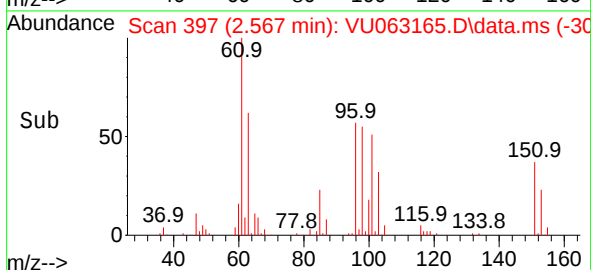
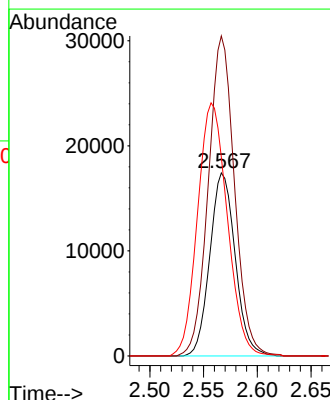
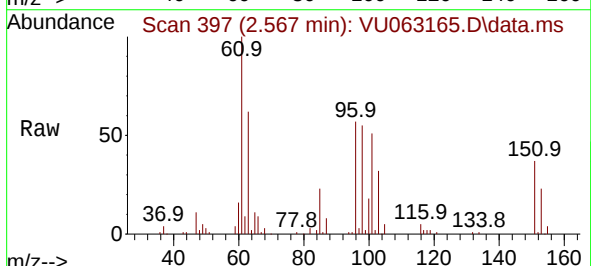
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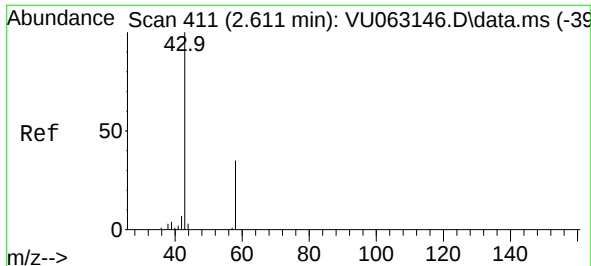
Tgt Ion:101 Resp: 29502
Ion Ratio Lower Upper
101 100
85 43.5 35.0 52.4
151 71.4 56.3 84.5



#12
1,1-Dichloroethene
Concen: 5.287 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Tgt Ion: 96 Resp: 28609
Ion Ratio Lower Upper
96 100
61 174.9 121.9 226.3
63 108.7 80.3 149.1





#13

Acetone

Concen: 55.165 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

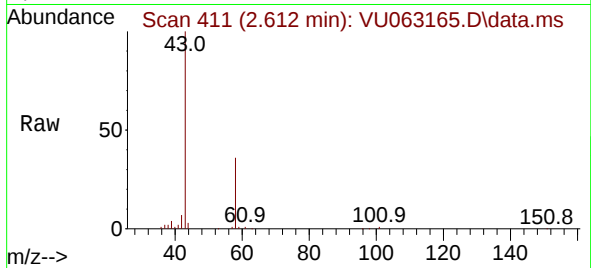
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Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

ClientSampleId :

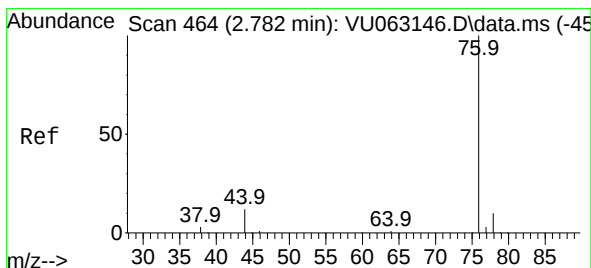
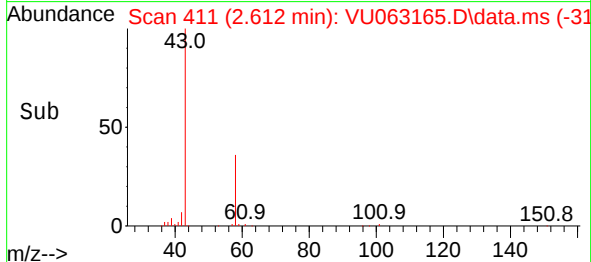
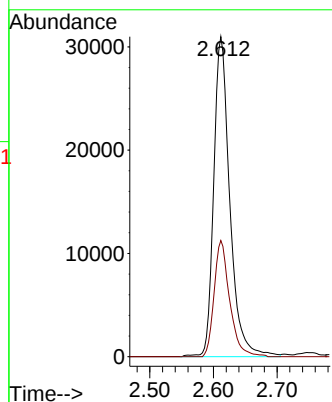


Tgt Ion: 43 Resp: 54454

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.2



#14

Carbon disulfide

Concen: 5.208 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063165.D

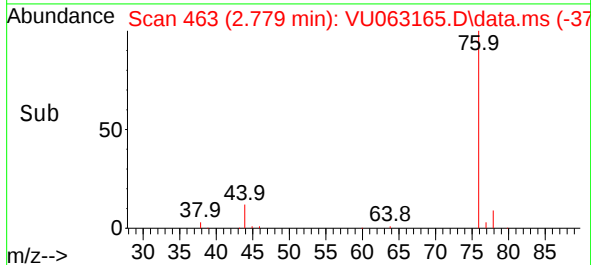
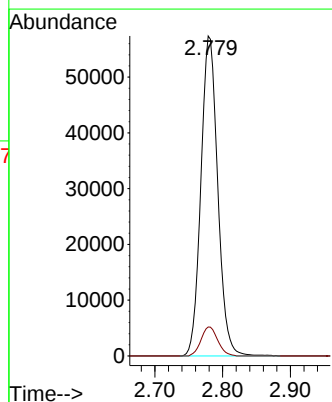
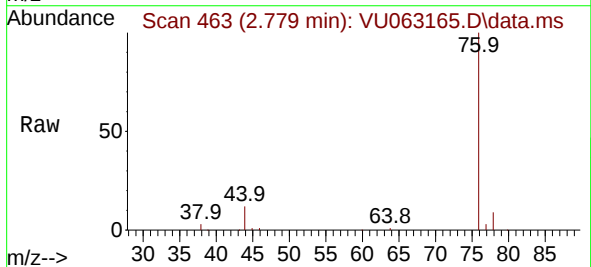
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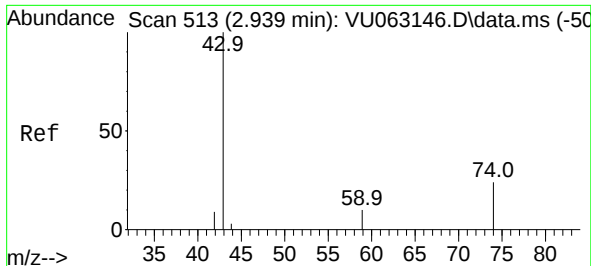
Tgt Ion: 76 Resp: 98936

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 4.983 ug/L

RT: 2.939 min Scan# 513

Delta R.T. 0.000 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

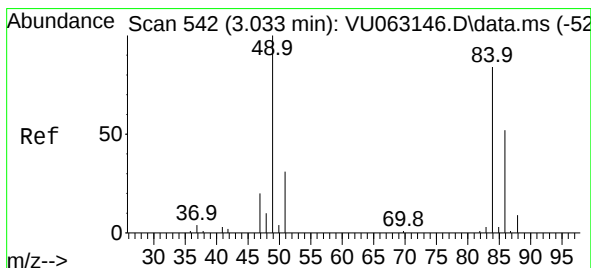
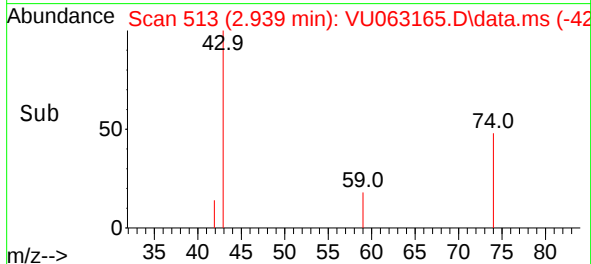
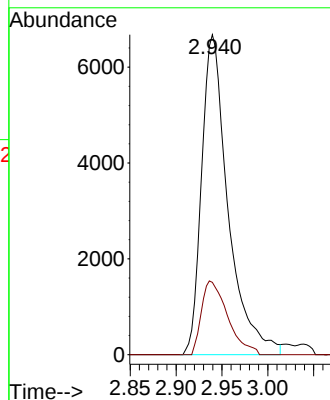
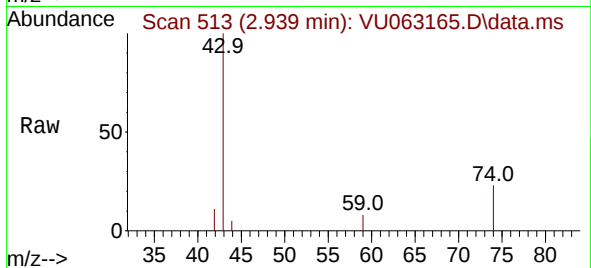
ClientSampleId :

Tgt Ion: 43 Resp: 13433

Ion Ratio Lower Upper

43 100

74 22.7 19.5 29.3



#16

Methylene chloride

Concen: 5.211 ug/L

RT: 3.030 min Scan# 541

Delta R.T. -0.003 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

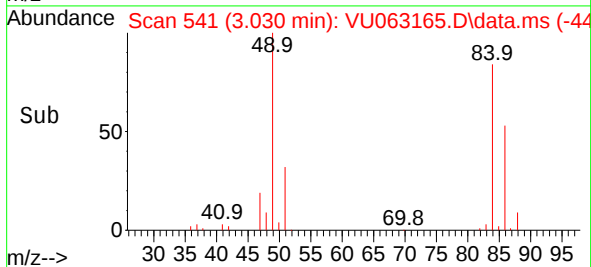
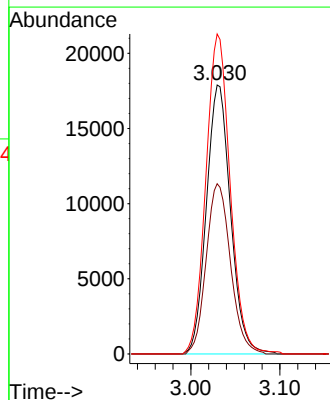
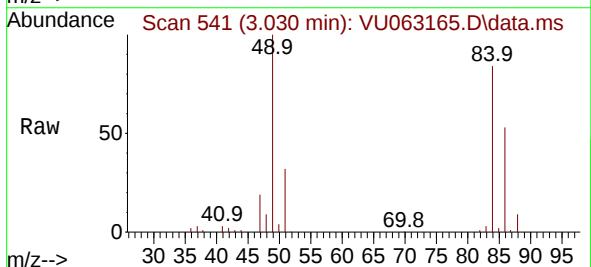
Tgt Ion: 84 Resp: 33730

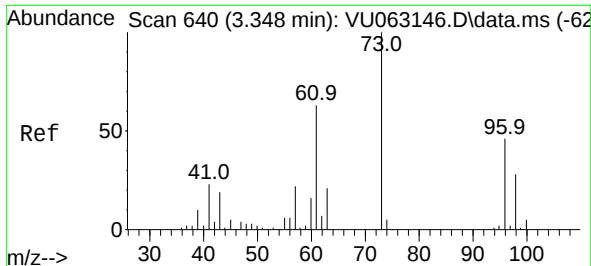
Ion Ratio Lower Upper

84 100

86 63.3 45.0 83.6

49 119.0 82.4 153.0

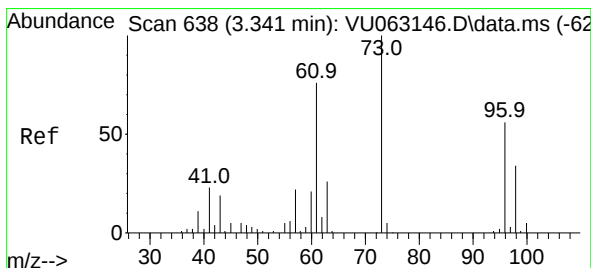
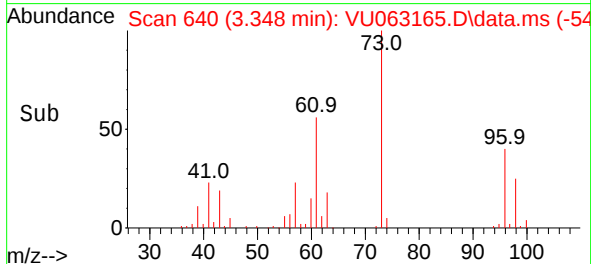
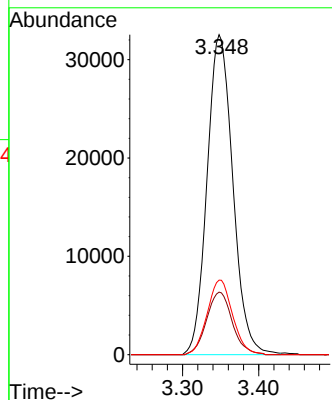
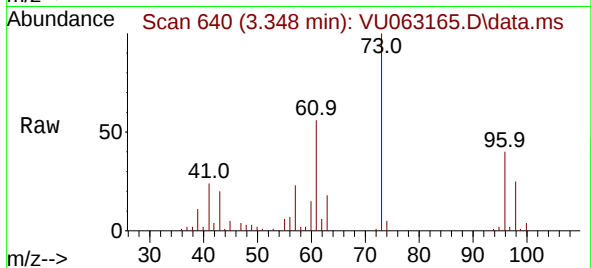




#17
Methyl tert-butyl Ether
Concen: 5.135 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

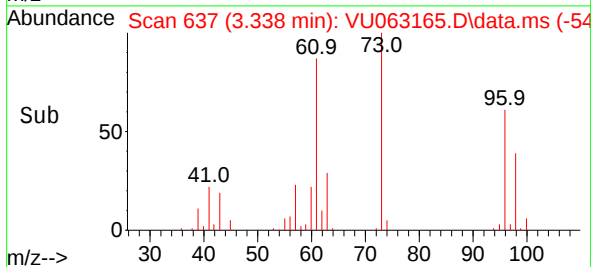
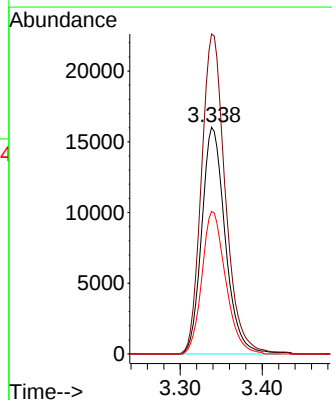
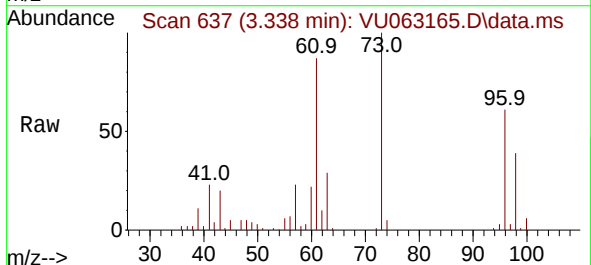
Instrument :
MSVOA_U
ClientSampleId :

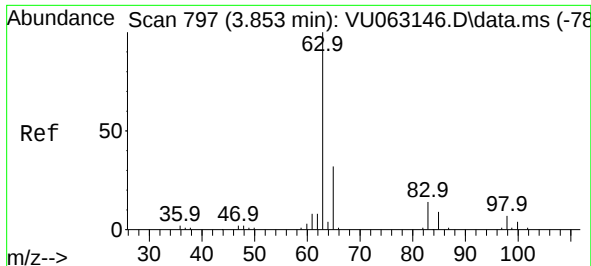
Tgt Ion: 73 Resp: 76569
Ion Ratio Lower Upper
73 100
43 19.5 15.1 22.7
57 23.0 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 5.521 ug/L
RT: 3.338 min Scan# 637
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

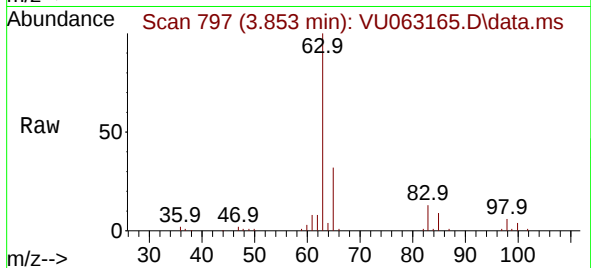
Tgt Ion: 96 Resp: 31943
Ion Ratio Lower Upper
96 100
61 141.2 99.2 184.2
98 62.9 43.2 80.2



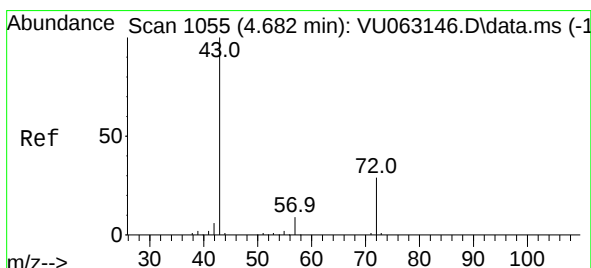
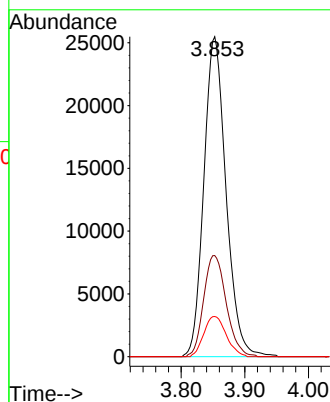
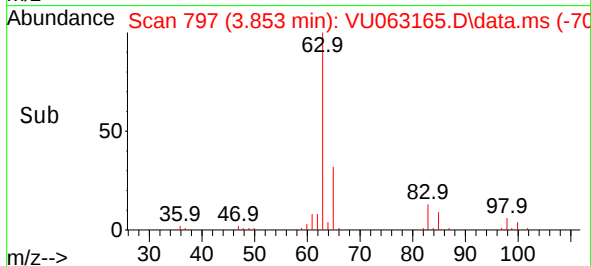


#19
1,1-Dichloroethane
Concen: 5.306 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Instrument :
MSVOA_U
ClientSampleId :

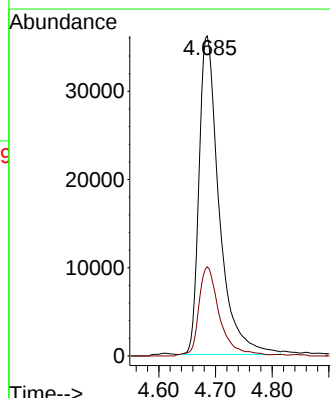
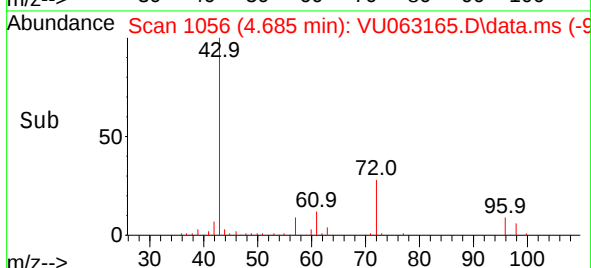
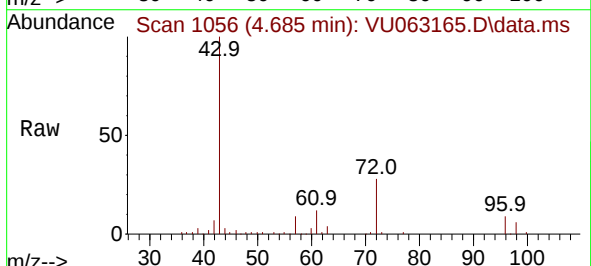


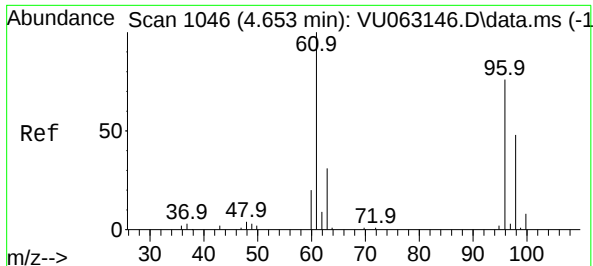
Tgt Ion: 63 Resp: 61715
Ion Ratio Lower Upper
63 100
65 31.6 23.2 43.0
83 12.6 8.7 16.1



#21
2-Butanone
Concen: 54.527 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

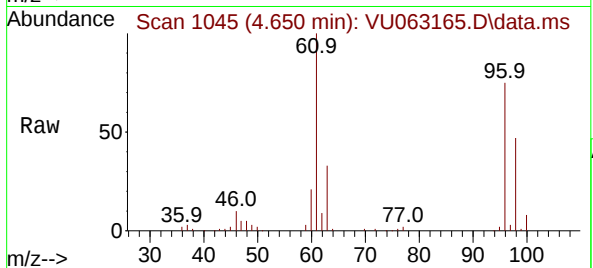
Tgt Ion: 43 Resp: 89366
Ion Ratio Lower Upper
43 100
72 28.9 13.9 41.7



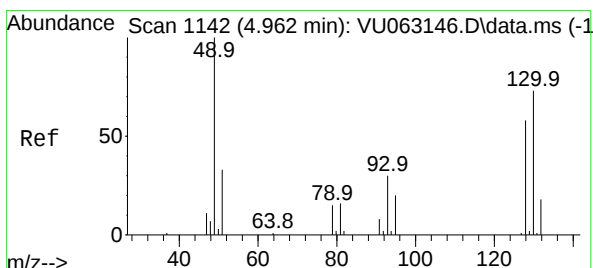
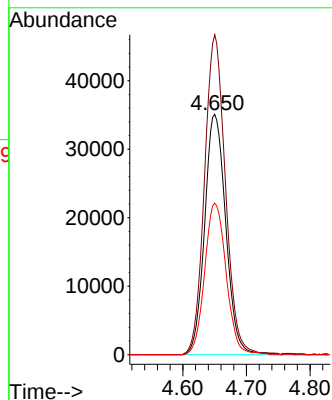
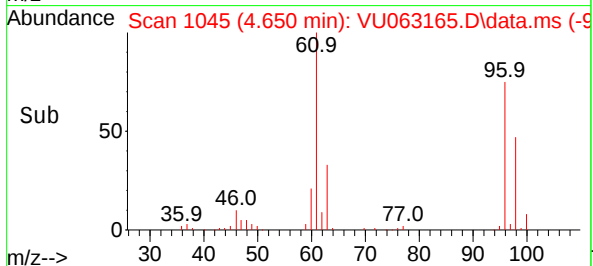


#22
cis-1,2-Dichloroethene
Concen: 12.560 ug/L
RT: 4.650 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Instrument :
MSVOA_U
ClientSampleId :

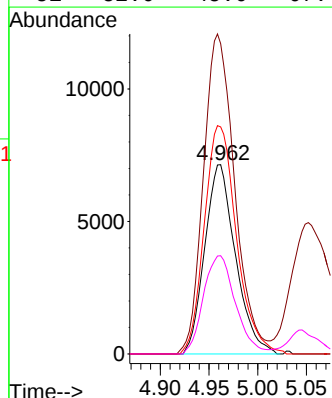
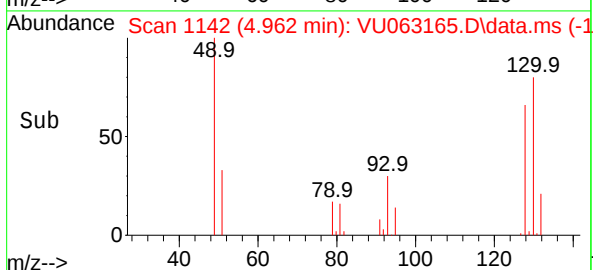
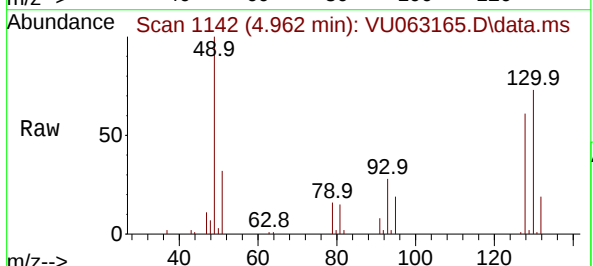


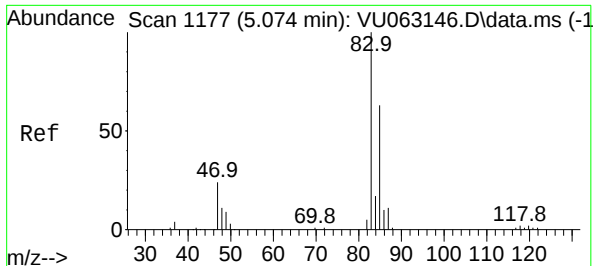
Tgt Ion: 96 Resp: 81068
Ion Ratio Lower Upper
96 100
61 133.2 91.8 170.6
98 63.0 44.4 82.4



#23
Bromochloromethane
Concen: 5.415 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Tgt Ion:128 Resp: 15678
Ion Ratio Lower Upper
128 100
49 163.9 121.2 225.2
130 120.0 89.2 165.6
51 52.0 45.0 67.4





#25

Chloroform

Concen: 5.434 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. -0.003 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

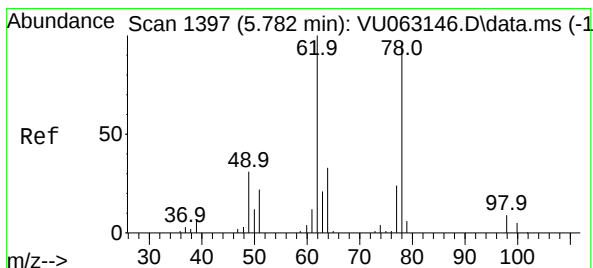
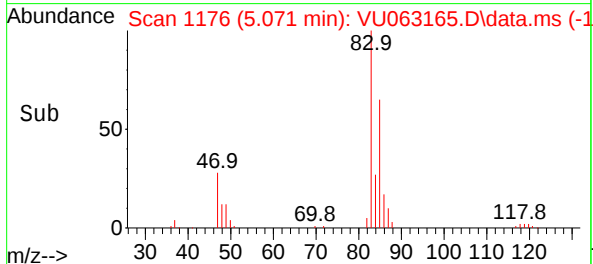
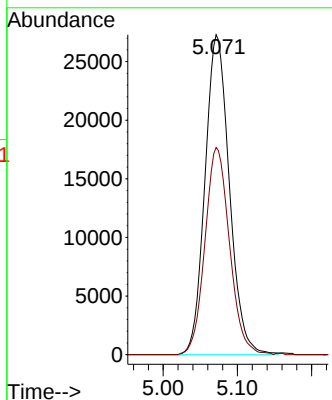
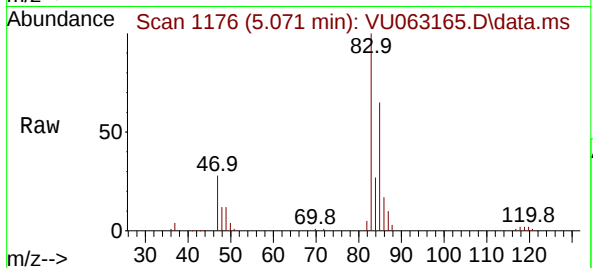
ClientSampleId :

Tgt Ion: 83 Resp: 62213

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.285 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU063165.D

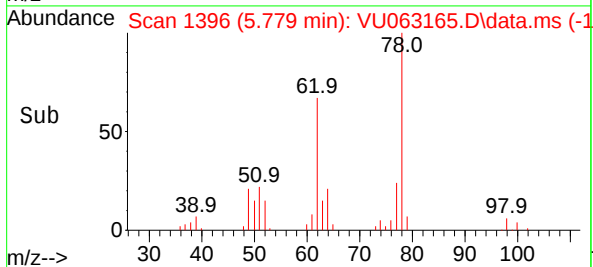
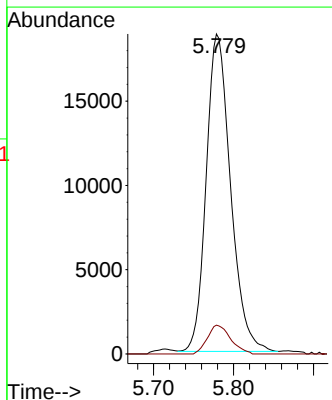
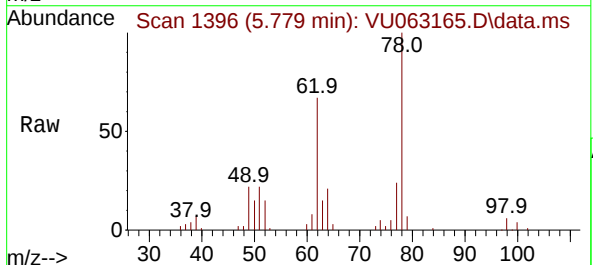
Acq: 05 Feb 2025 17:31

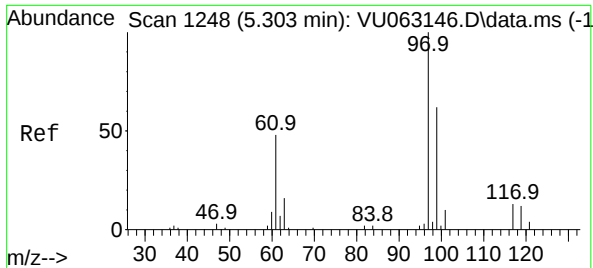
Tgt Ion: 62 Resp: 39861

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8

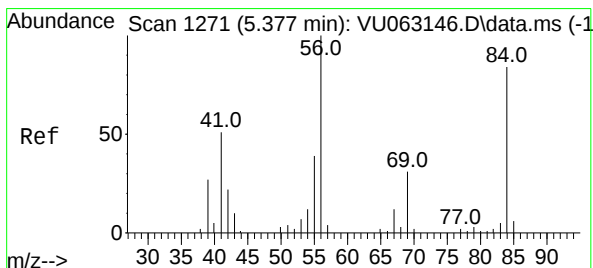
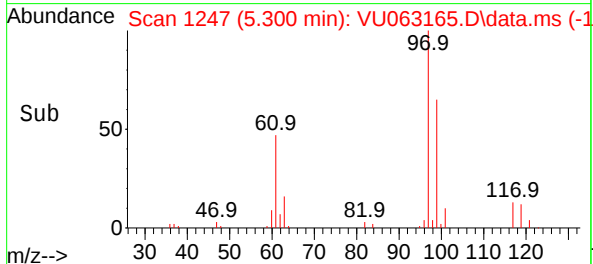
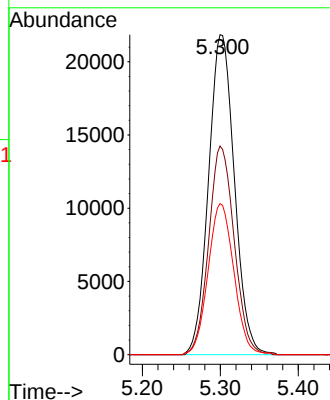
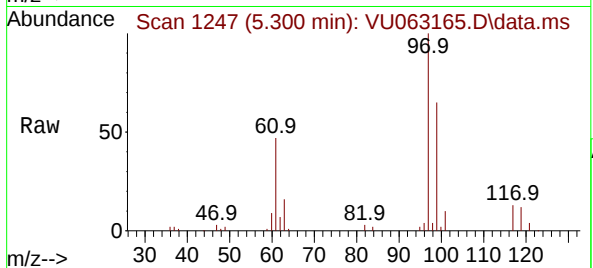




#29
1,1,1-Trichloroethane
Concen: 5.337 ug/L
RT: 5.300 min Scan# 1248
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

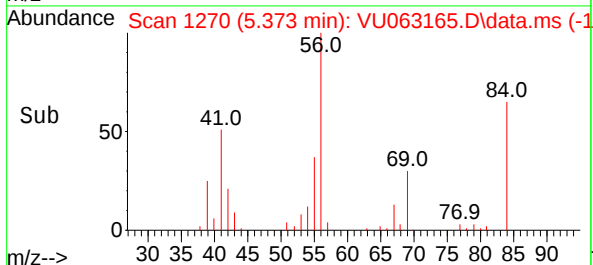
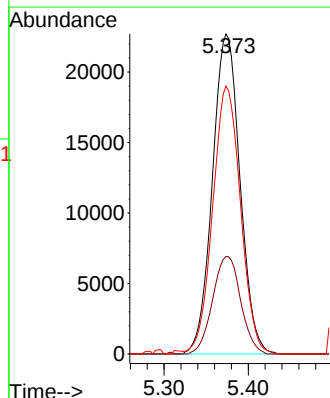
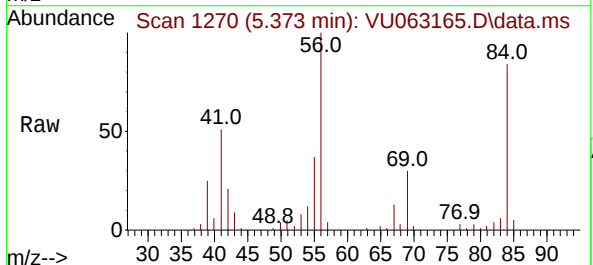
Instrument :
MSVOA_U
ClientSampleId :

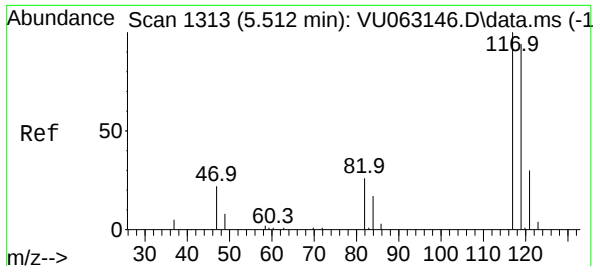
Tgt Ion:	97	Resp:	50410
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	47.1	38.5	57.7



#30
Cyclohexane
Concen: 5.158 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Tgt Ion:	56	Resp:	51574
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.6	37.0
84	84.2	67.9	101.9

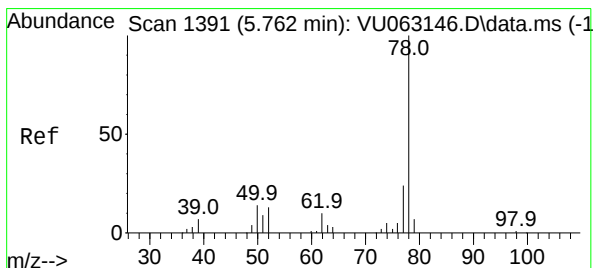
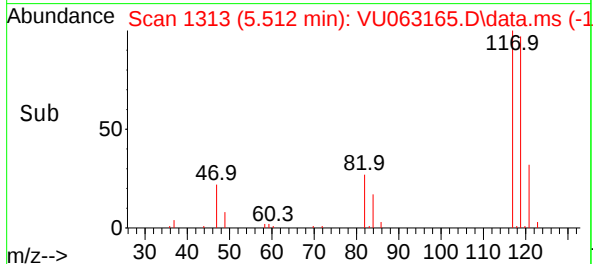
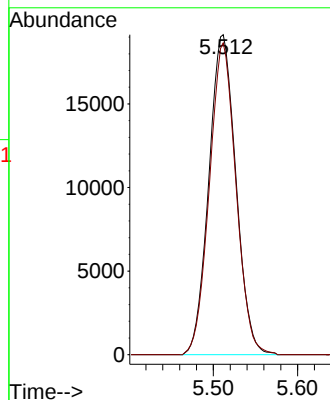
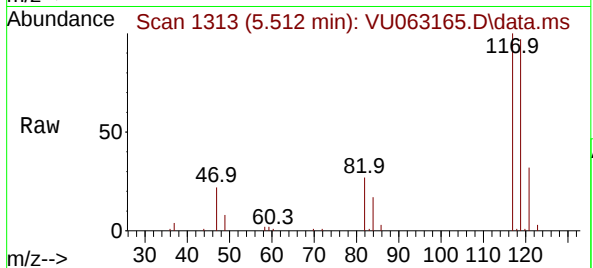




#31
Carbon tetrachloride
Concen: 5.353 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

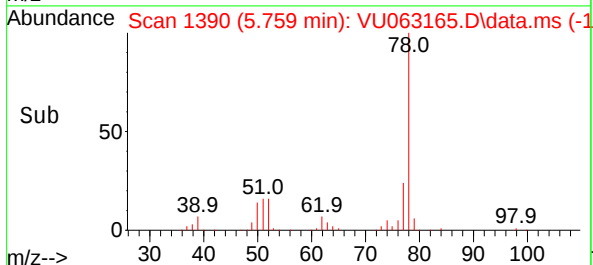
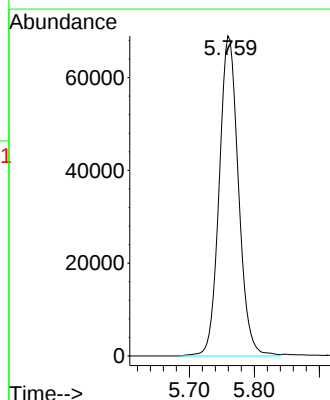
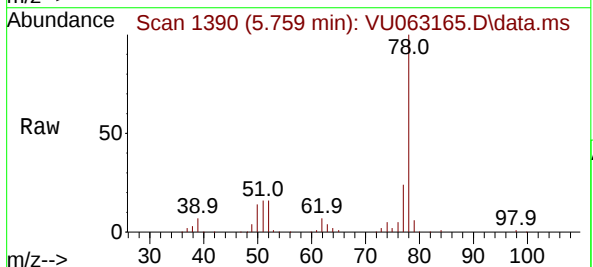
Instrument :
MSVOA_U
ClientSampleId :

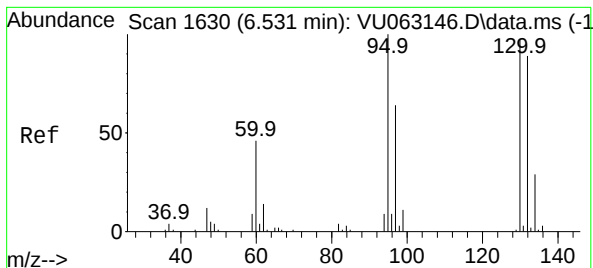
Tgt Ion:117 Resp: 42670
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.4



#33
Benzene
Concen: 5.398 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Tgt Ion: 78 Resp: 141769





#34

Trichloroethene

Concen: 15.990 ug/L

RT: 6.528 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 106652

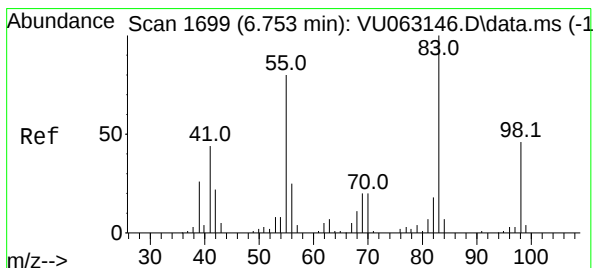
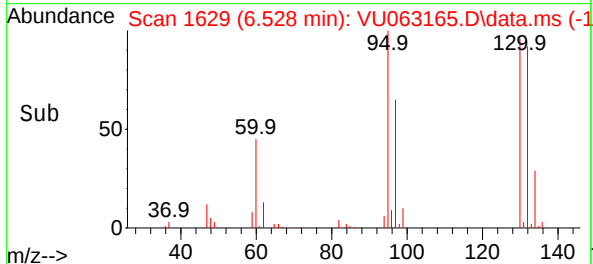
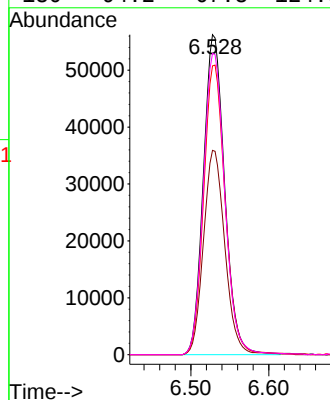
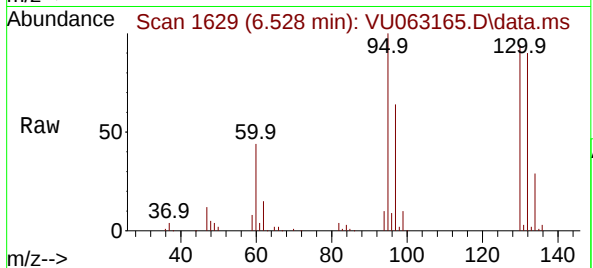
Ion Ratio Lower Upper

95 100

97 63.9 46.7 86.7

132 90.2 62.4 115.8

130 94.2 67.3 124.9



#35

Methylcyclohexane

Concen: 5.098 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

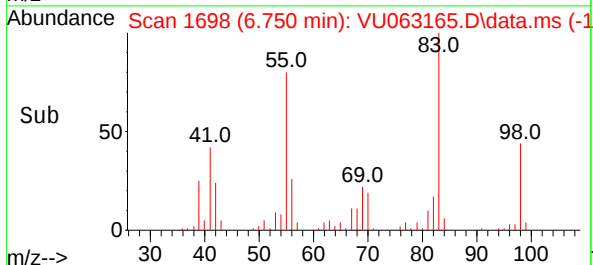
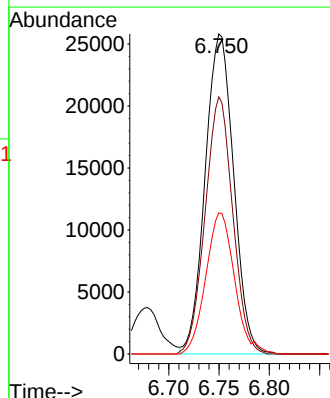
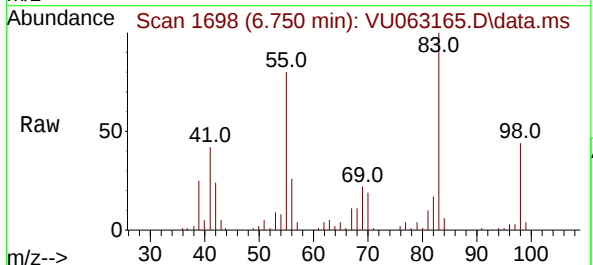
Tgt Ion: 83 Resp: 50957

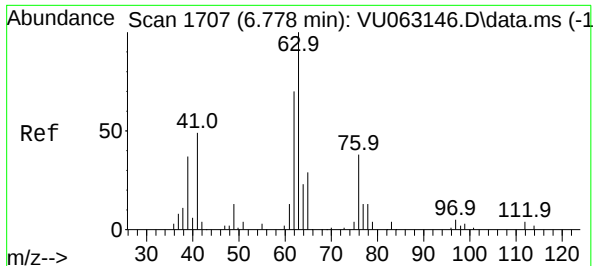
Ion Ratio Lower Upper

83 100

55 77.8 62.8 94.2

98 44.4 36.0 54.0





#37

1,2-Dichloropropane

Concen: 5.435 ug/L

RT: 6.779 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

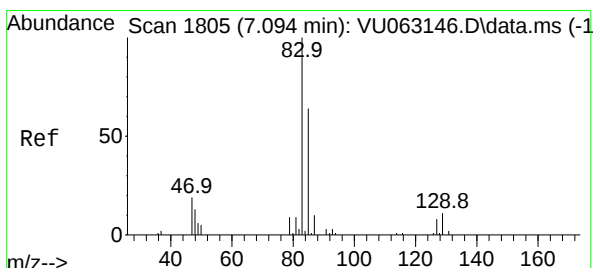
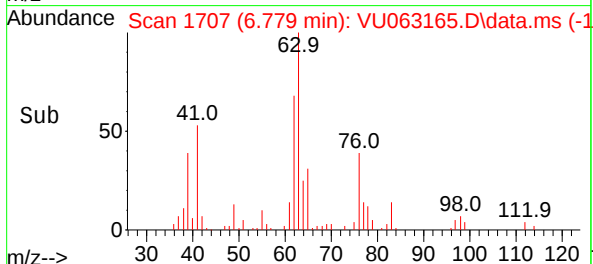
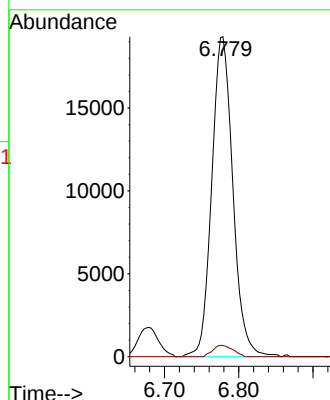
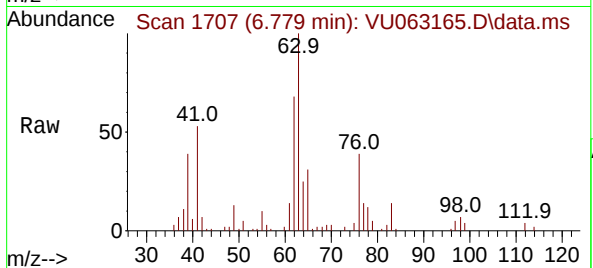
ClientSampleId :

Tgt Ion: 63 Resp: 38066

Ion Ratio Lower Upper

63 100

112 3.4 2.6 4.0



#38

Bromodichloromethane

Concen: 5.216 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

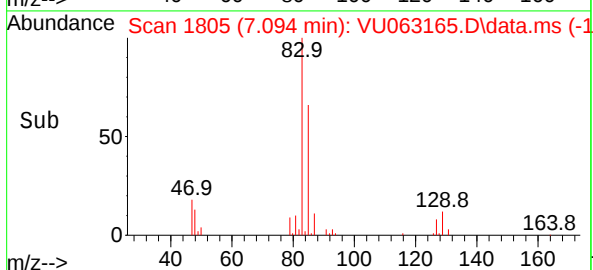
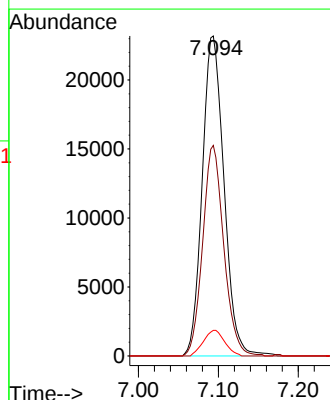
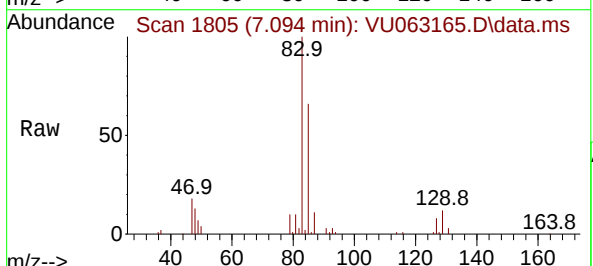
Tgt Ion: 83 Resp: 43874

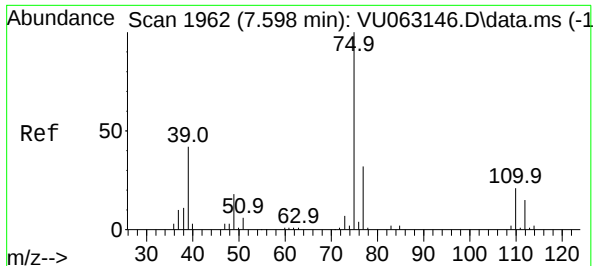
Ion Ratio Lower Upper

83 100

85 65.8 44.0 81.8

127 8.0 6.3 9.5

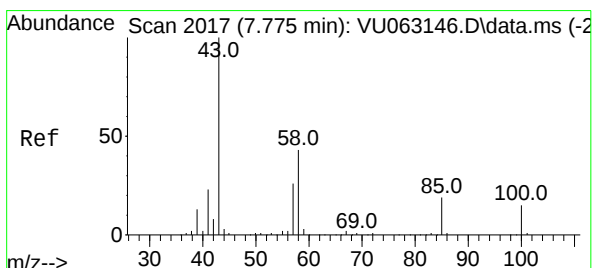
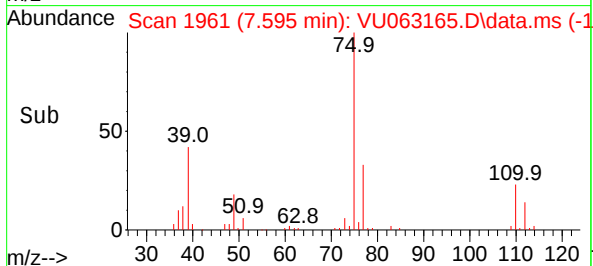
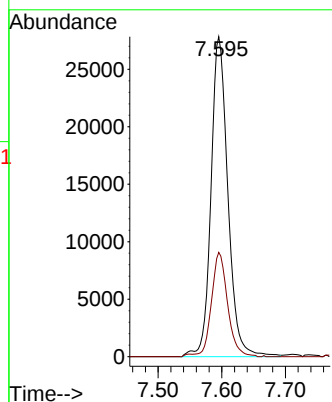
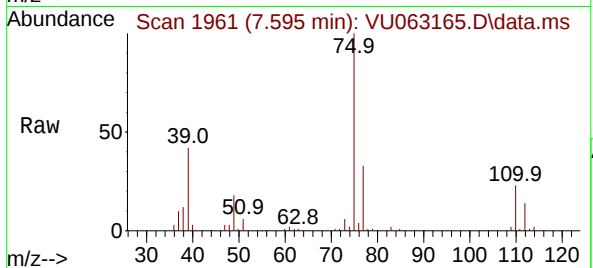




#39
 cis-1,3-Dichloropropene
 Concen: 5.144 ug/L
 RT: 7.595 min Scan# 1962
 Delta R.T. -0.003 min
 Lab File: VU063165.D
 Acq: 05 Feb 2025 17:31

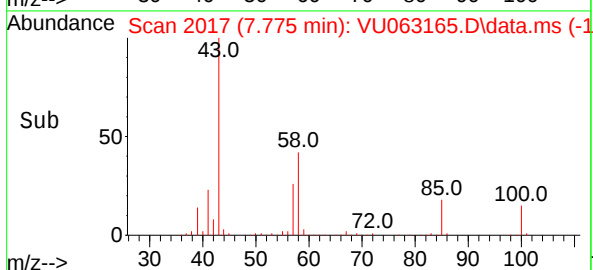
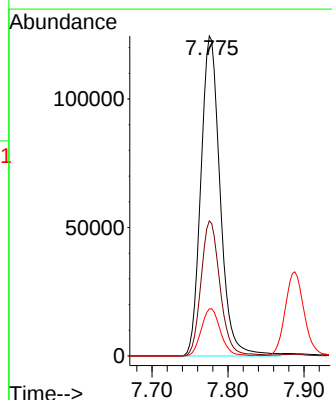
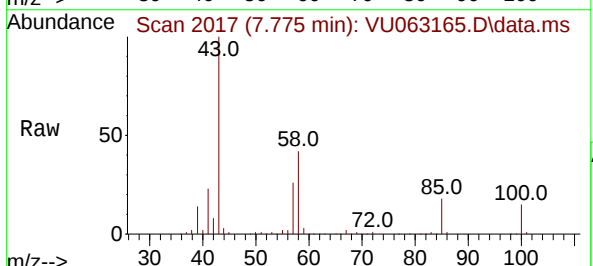
Instrument :
 MSVOA_U
 ClientSampleId :

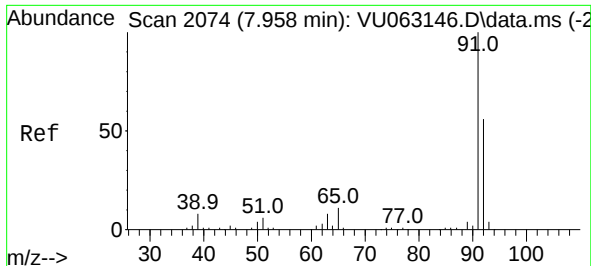
Tgt Ion: 75 Resp: 51379
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 53.037 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VU063165.D
 Acq: 05 Feb 2025 17:31

Tgt Ion: 43 Resp: 219270
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.7 50.5
 100 14.7 12.1 18.1





#42

Toluene

Concen: 5.339 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

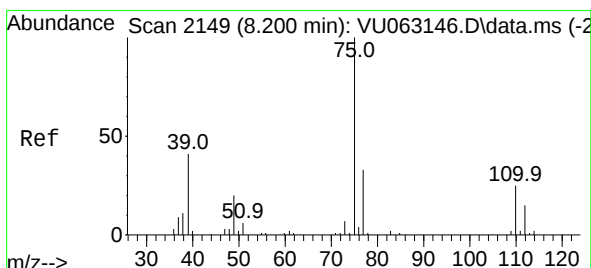
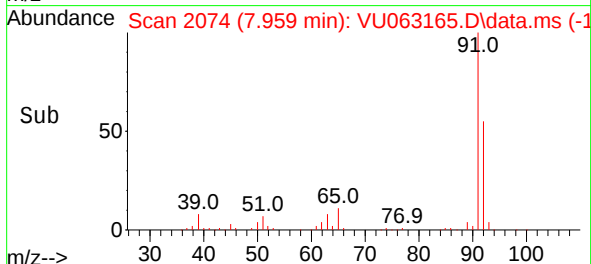
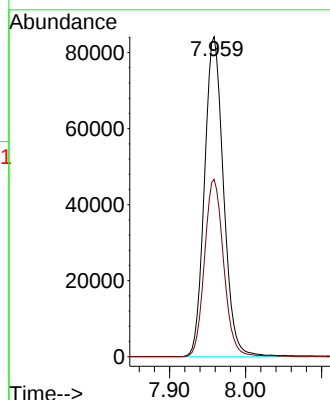
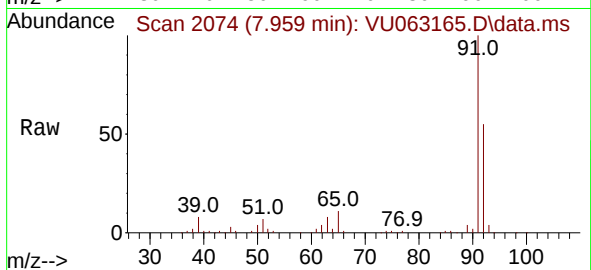
ClientSampleId :

Tgt Ion: 91 Resp: 146556

Ion Ratio Lower Upper

91 100

92 55.4 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.178 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063165.D

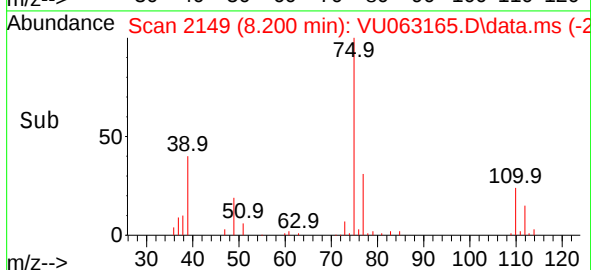
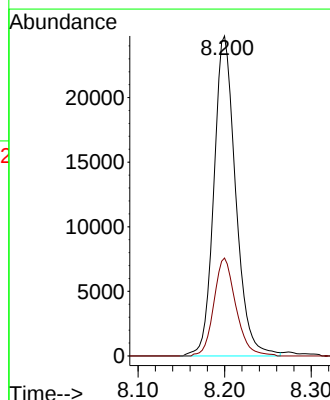
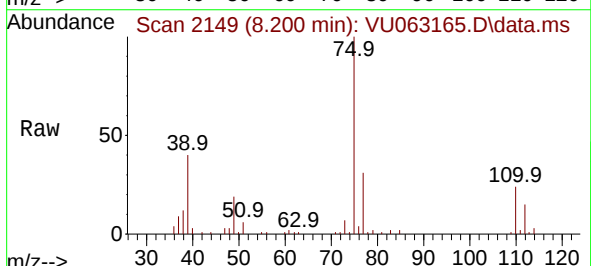
Acq: 05 Feb 2025 17:31

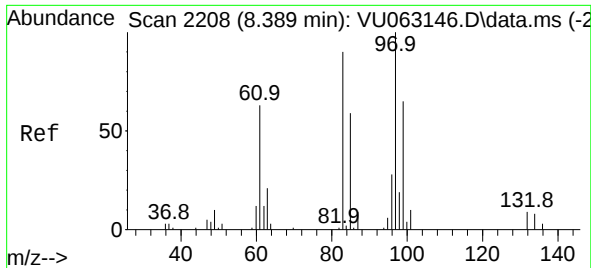
Tgt Ion: 75 Resp: 43297

Ion Ratio Lower Upper

75 100

77 30.6 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 5.167 ug/L

RT: 8.386 min Scan# 2207

Delta R.T. -0.003 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 26727

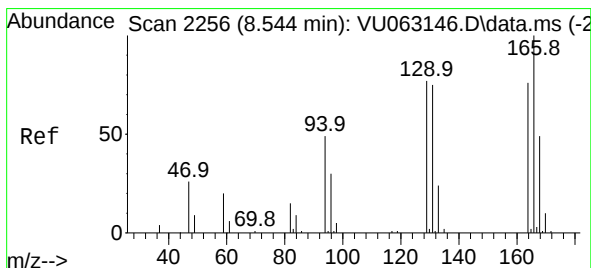
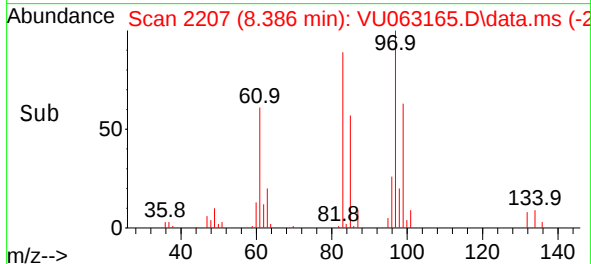
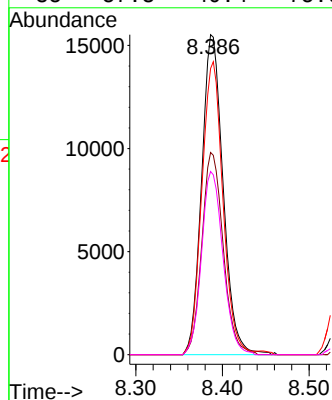
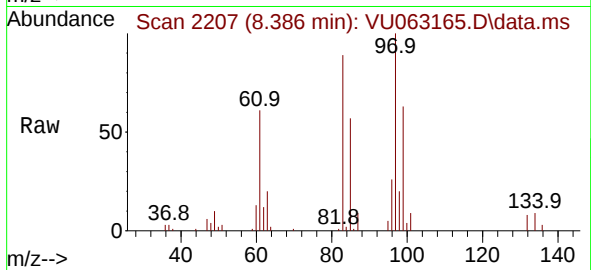
Ion Ratio Lower Upper

97 100

99 63.2 42.2 78.4

83 89.5 62.9 116.9

85 57.3 40.4 75.0



#47

Tetrachloroethene

Concen: 80.209 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Tgt Ion:164 Resp: 375735

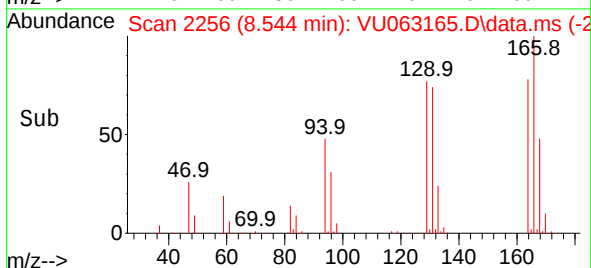
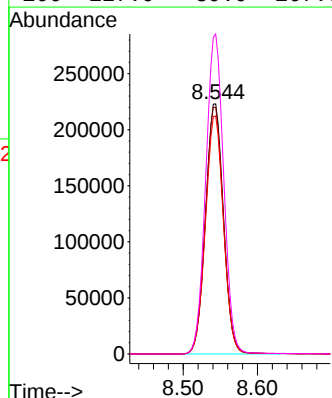
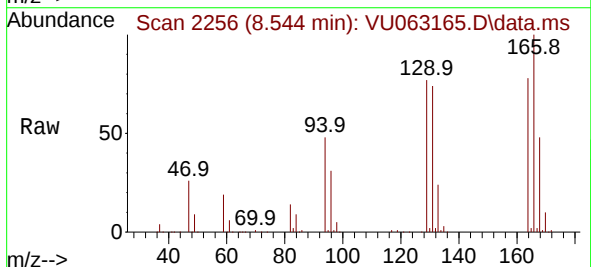
Ion Ratio Lower Upper

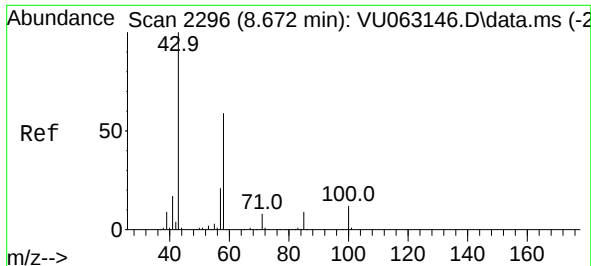
164 100

129 98.5 68.6 127.4

131 95.2 66.5 123.5

166 127.9 89.9 167.0





#48

2-Hexanone

Concen: 54.835 ug/L

RT: 8.669 min Scan# 2295

Delta R.T. -0.003 min

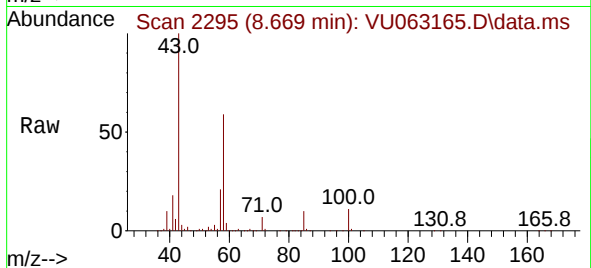
Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 159937

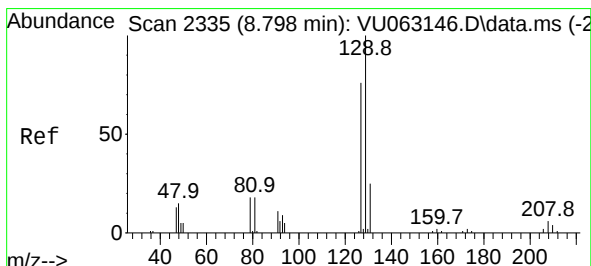
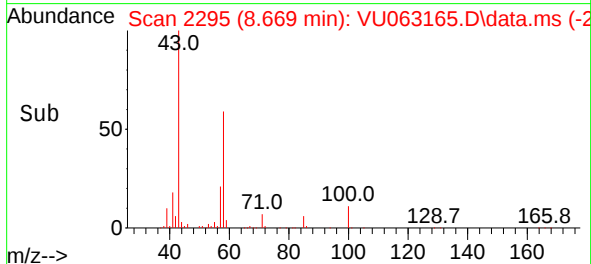
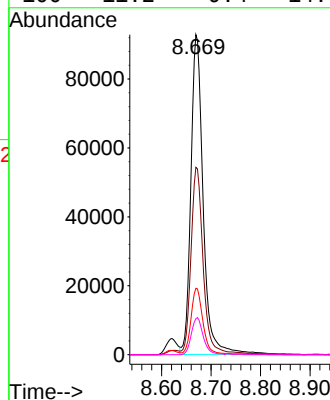
Ion Ratio Lower Upper

43 100

58 58.1 45.8 68.8

57 19.7 15.7 23.5

100 11.2 9.4 14.0



#49

Dibromochloromethane

Concen: 5.331 ug/L

RT: 8.798 min Scan# 2335

Delta R.T. 0.000 min

Lab File: VU063165.D

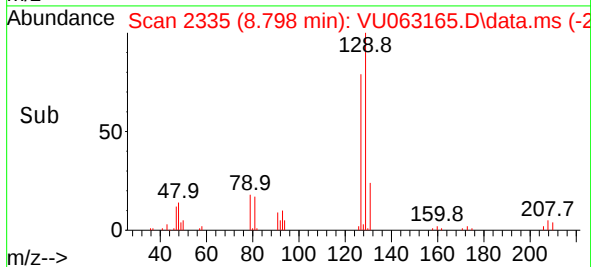
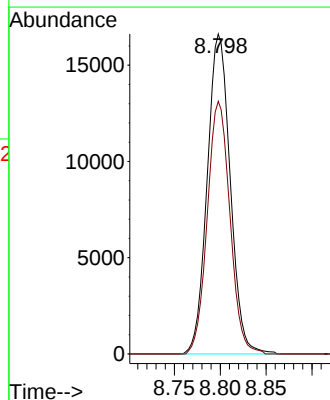
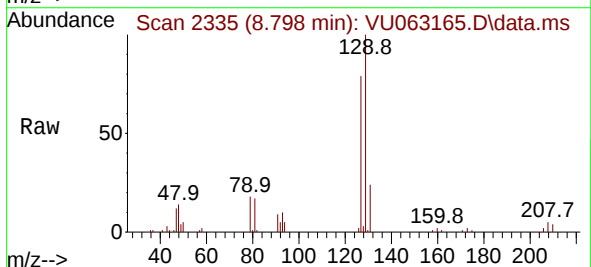
Acq: 05 Feb 2025 17:31

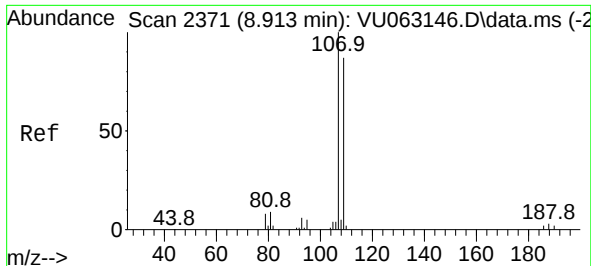
Tgt Ion:129 Resp: 29025

Ion Ratio Lower Upper

129 100

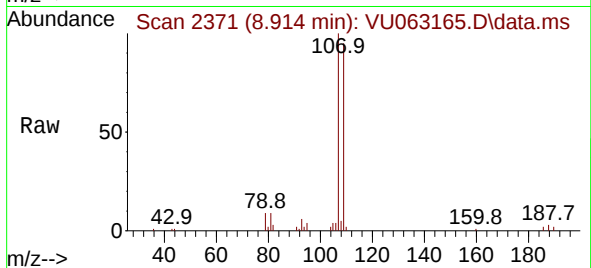
127 78.9 53.8 99.8



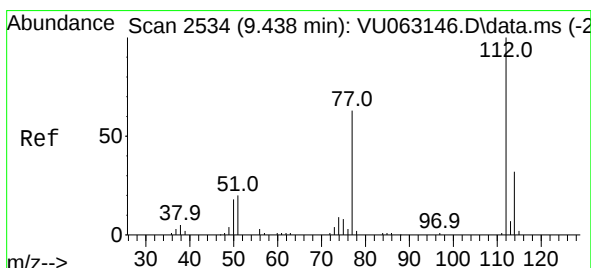
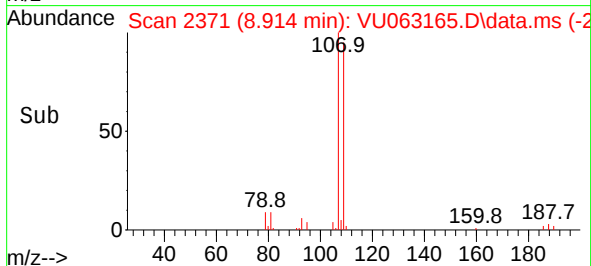
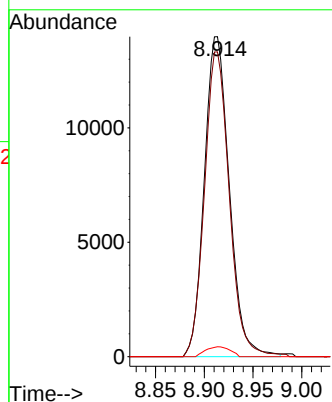


#50
1,2-Dibromoethane
Concen: 5.261 ug/L
RT: 8.914 min Scan# 24
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Instrument :
MSVOA_U
ClientSampleId :

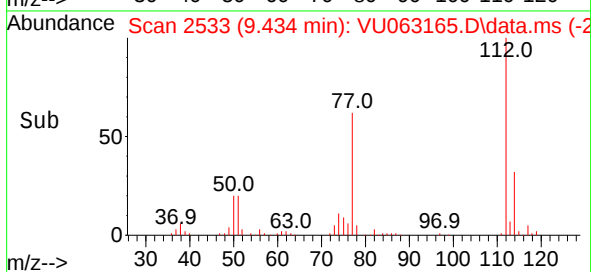
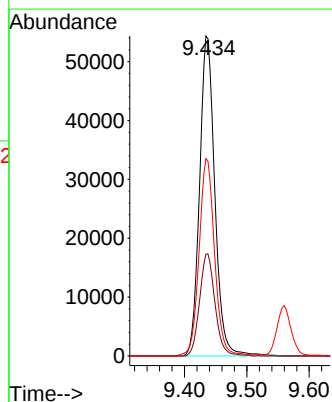
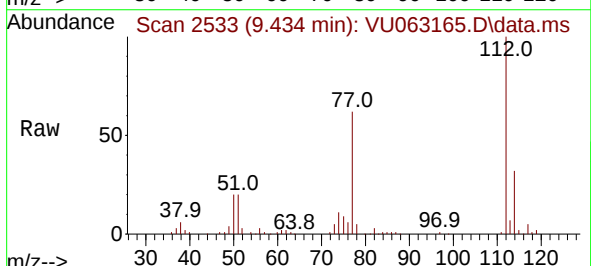


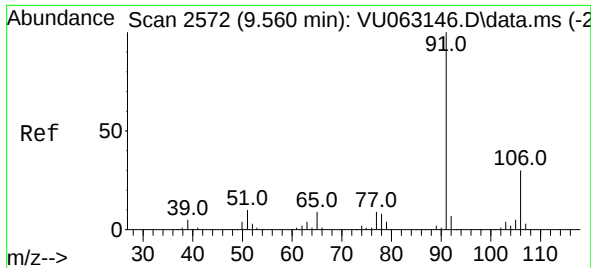
Tgt Ion:107 Resp: 24960
Ion Ratio Lower Upper
107 100
109 95.2 67.6 125.6
188 3.1 2.6 3.8



#51
Chlorobenzene
Concen: 5.577 ug/L
RT: 9.434 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Tgt Ion:112 Resp: 92409
Ion Ratio Lower Upper
112 100
114 31.8 22.6 42.0
77 61.7 50.8 76.2

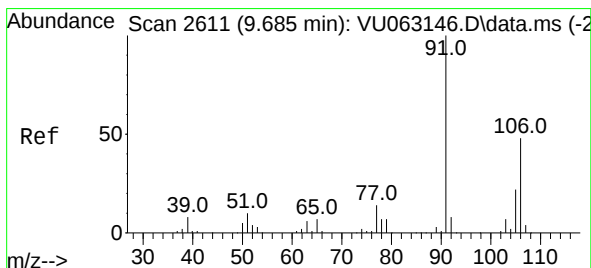
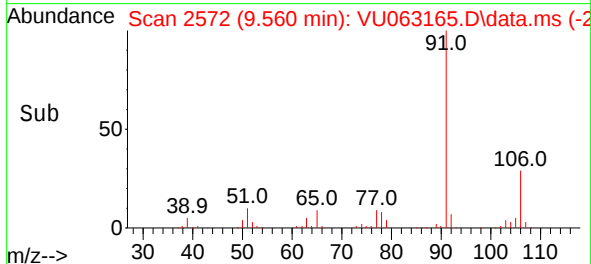
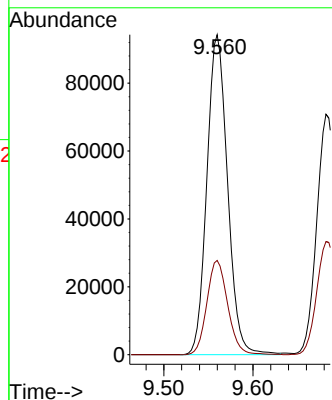
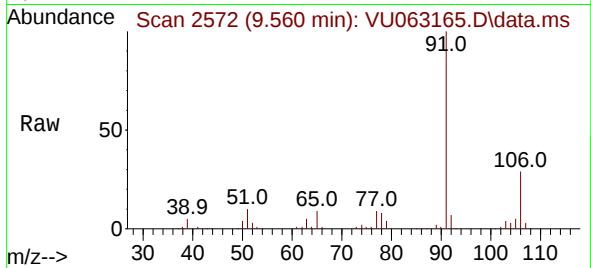




#52
Ethylbenzene
Concen: 5.285 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

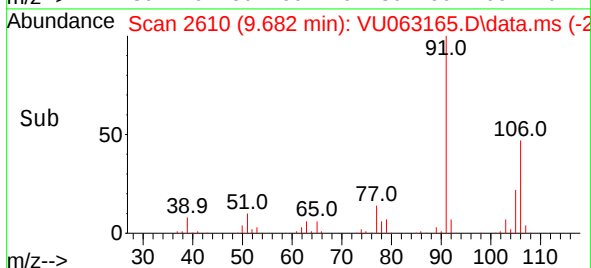
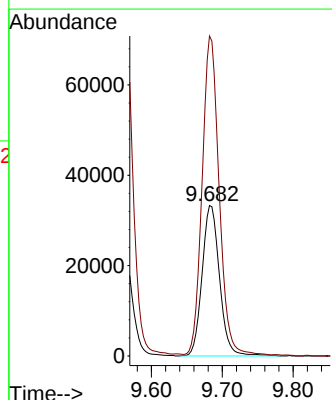
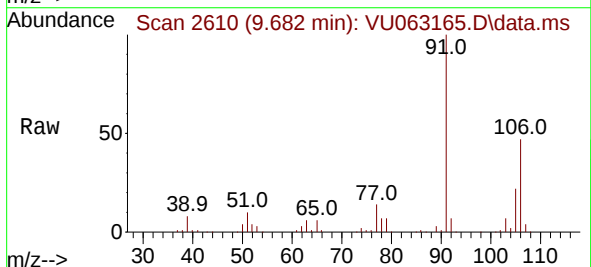
Instrument :
MSVOA_U
ClientSampleId :

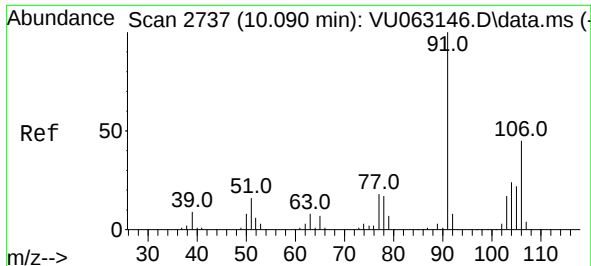
Tgt Ion: 91 Resp: 151752
Ion Ratio Lower Upper
91 100
106 29.5 21.3 39.6



#53
m,p-Xylene
Concen: 5.493 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Tgt Ion:106 Resp: 56886
Ion Ratio Lower Upper
106 100
91 212.7 147.3 273.6

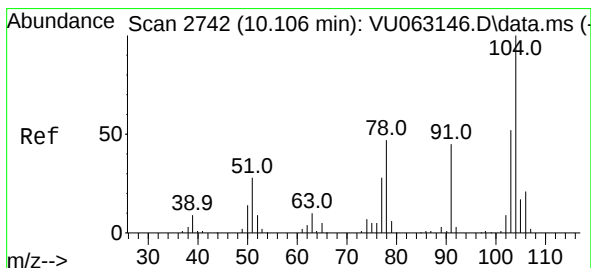
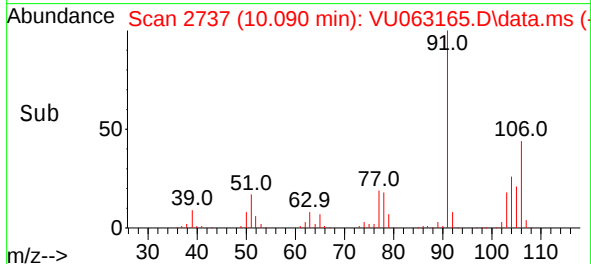
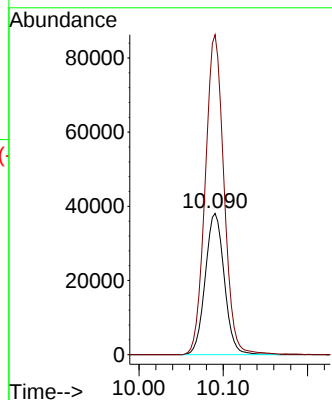
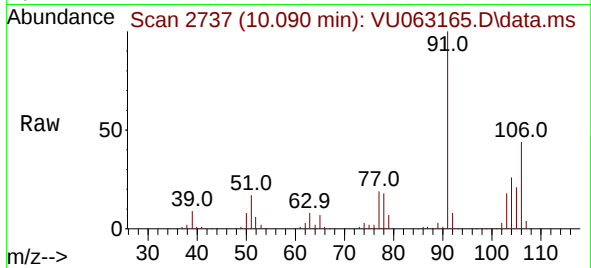




#54
o-Xylene
Concen: 5.850 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

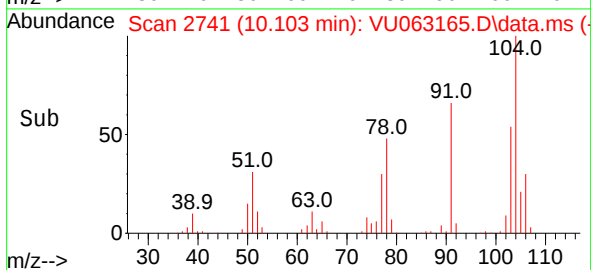
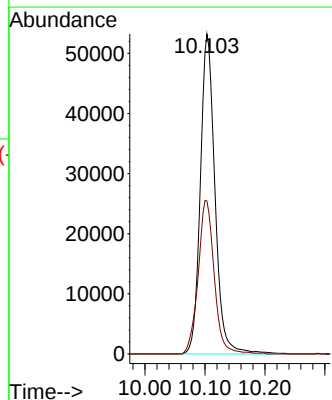
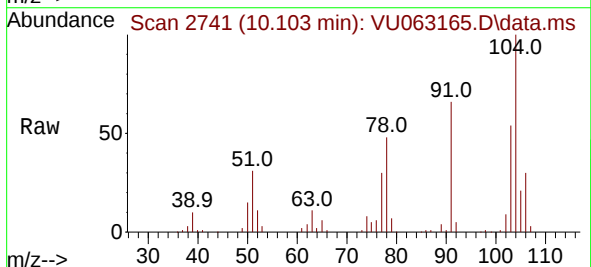
Instrument :
MSVOA_U
ClientSampleId :

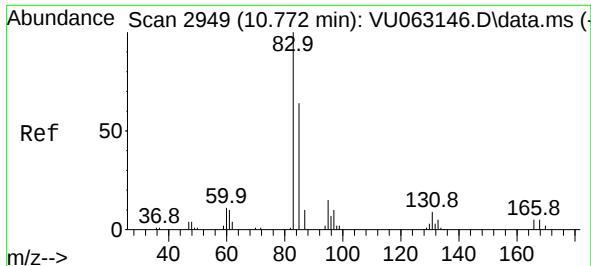
Tgt Ion:106 Resp: 60076
Ion Ratio Lower Upper
106 100
91 226.4 155.4 288.6



#55
Styrene
Concen: 5.360 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Tgt Ion:104 Resp: 90605
Ion Ratio Lower Upper
104 100
78 47.8 31.6 58.6

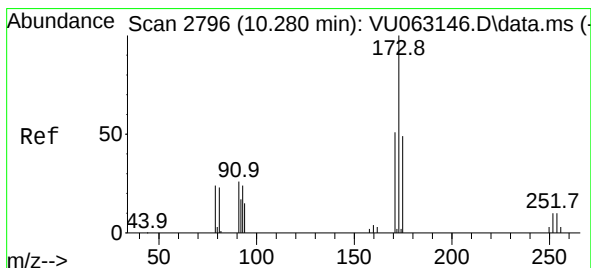
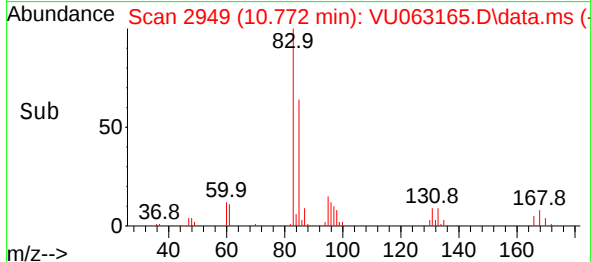
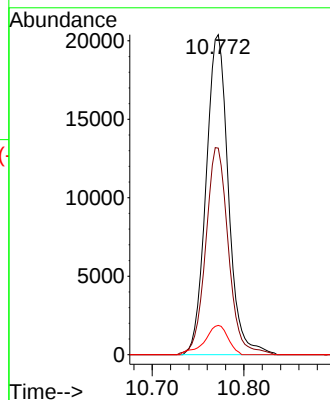
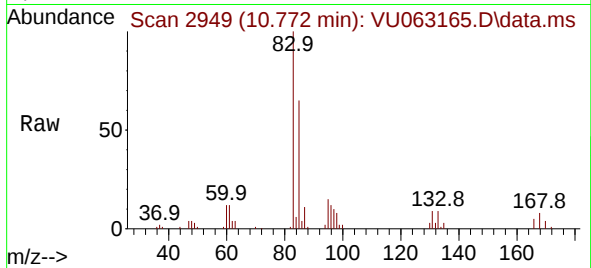




#57
1,1,2,2-Tetrachloroethane
Concen: 5.196 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

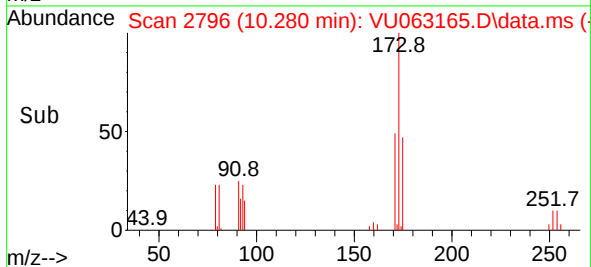
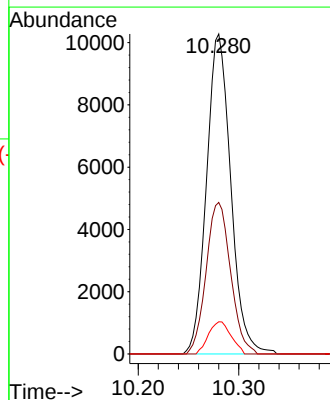
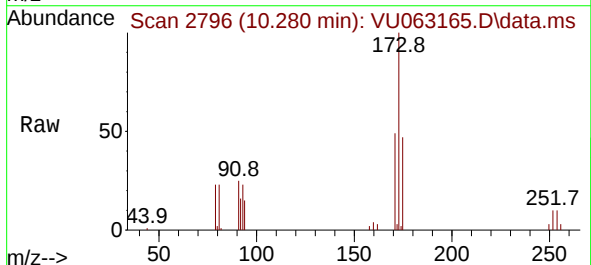
Instrument :
MSVOA_U
ClientSampleId :

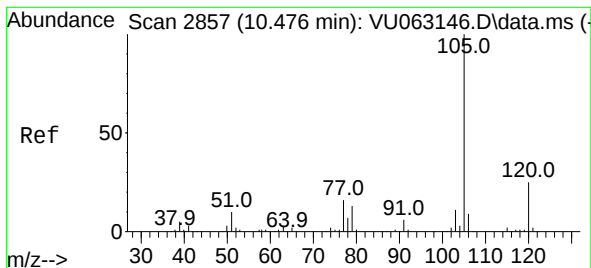
Tgt Ion: 83 Resp: 34502
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.8
131 9.2 7.4 11.0



#59
Bromoform
Concen: 5.172 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

Tgt Ion:173 Resp: 17220
Ion Ratio Lower Upper
173 100
175 47.8 37.7 56.5
254 9.4 7.9 11.9





#60

Isopropylbenzene

Concen: 5.660 ug/L

RT: 10.473 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

ClientSampleId :

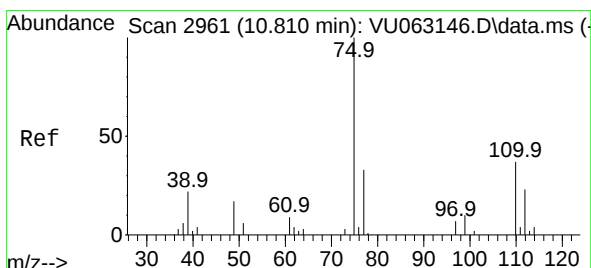
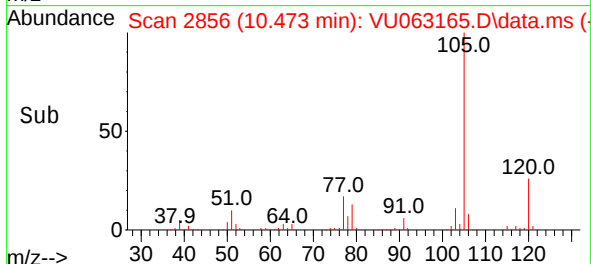
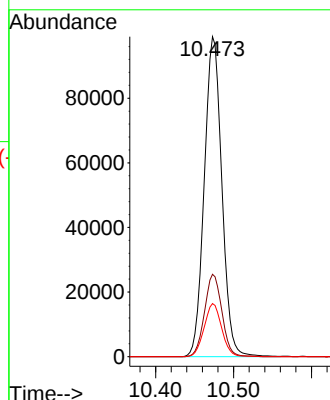
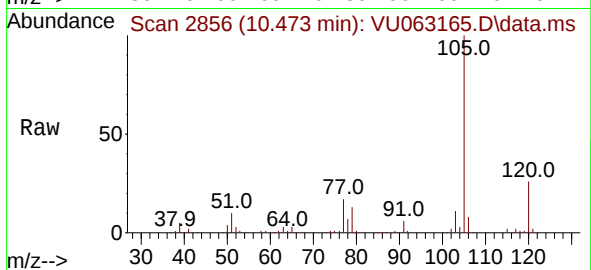
Tgt Ion:105 Resp: 155224

Ion Ratio Lower Upper

105 100

120 25.4 20.8 31.2

77 16.6 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.115 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

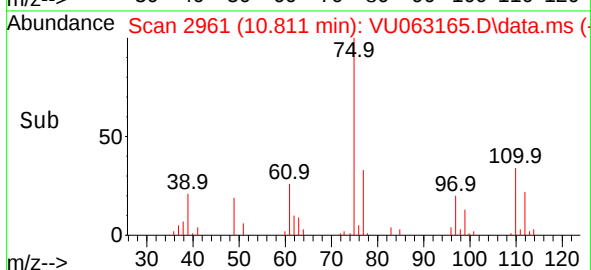
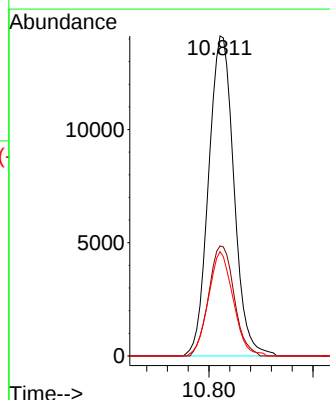
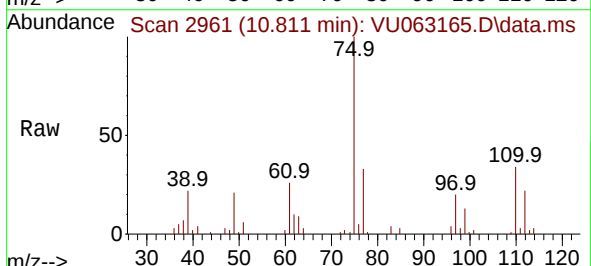
Tgt Ion: 75 Resp: 23839

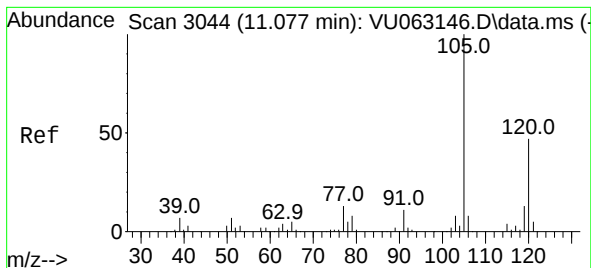
Ion Ratio Lower Upper

75 100

110 34.7 27.4 41.0

77 31.9 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.191 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

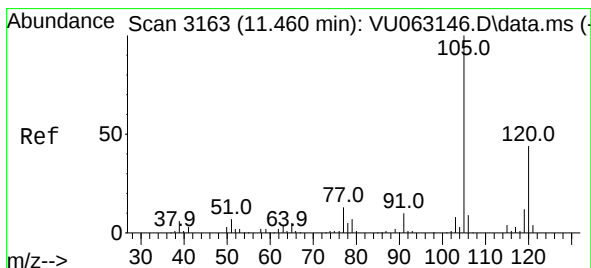
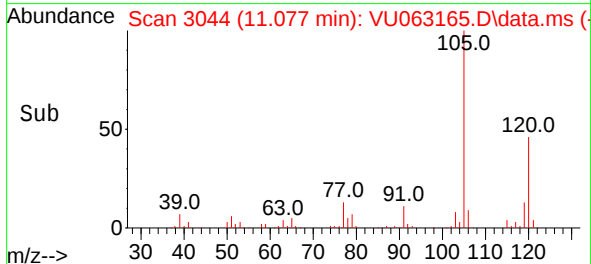
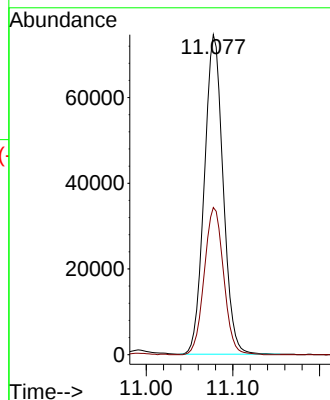
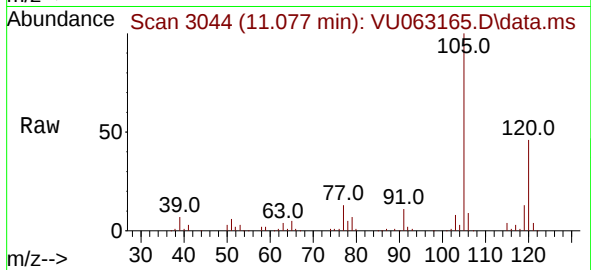
ClientSampleId :

Tgt Ion:105 Resp: 112293

Ion Ratio Lower Upper

105 100

120 47.5 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 6.468 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VU063165.D

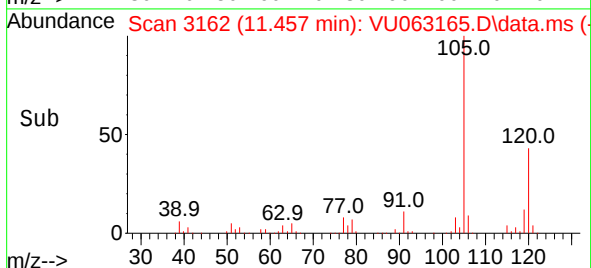
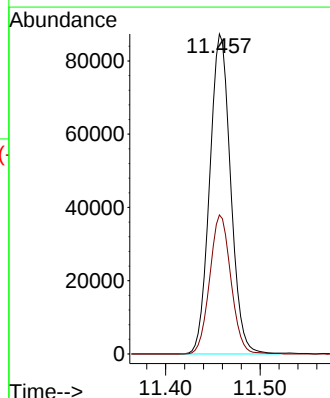
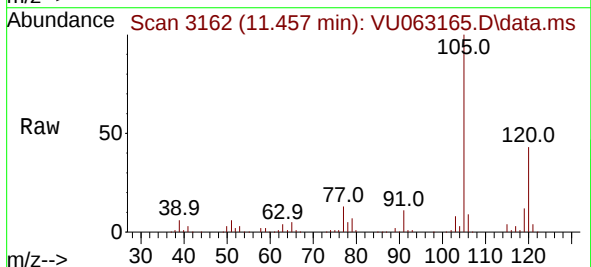
Acq: 05 Feb 2025 17:31

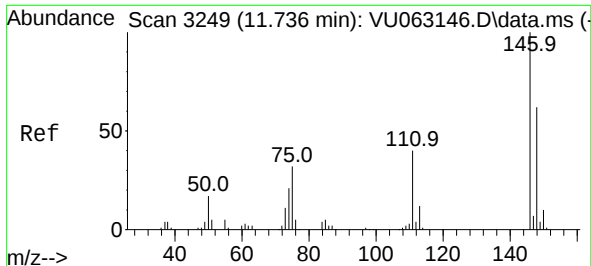
Tgt Ion:105 Resp: 134536

Ion Ratio Lower Upper

105 100

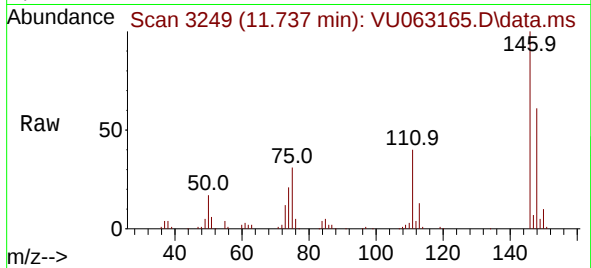
120 43.9 34.7 52.1



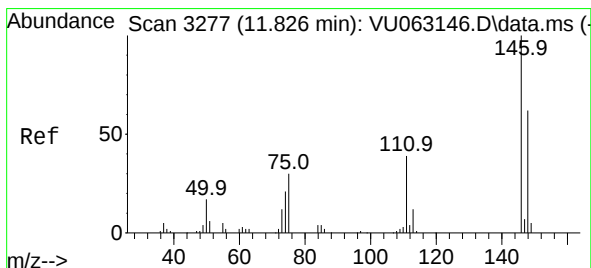
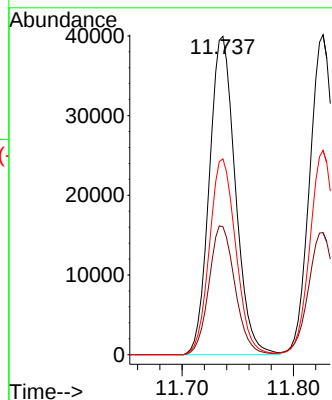
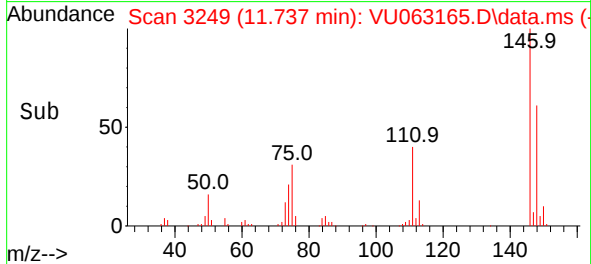


#64
1,3-Dichlorobenzene
Concen: 5.219 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

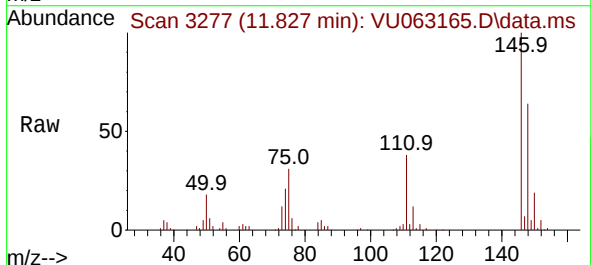
Instrument :
MSVOA_U
ClientSampleId :



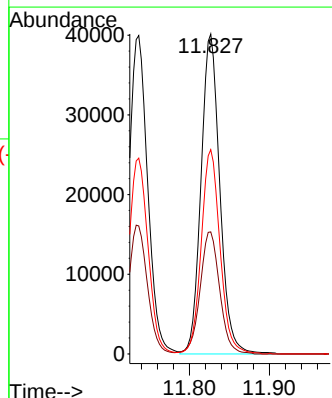
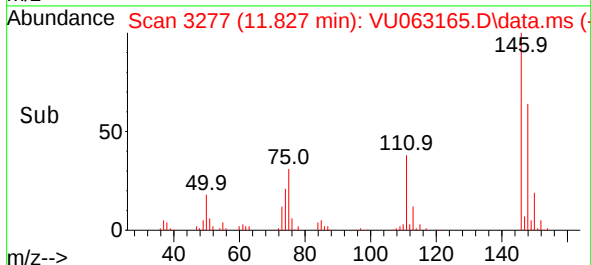
Tgt Ion:146 Resp: 64847
Ion Ratio Lower Upper
146 100
111 40.2 27.9 51.7
148 61.5 44.6 82.8

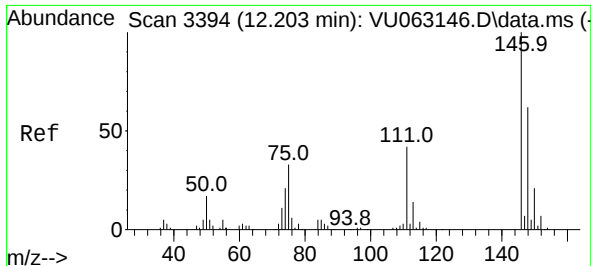


#65
1,4-Dichlorobenzene
Concen: 5.263 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31



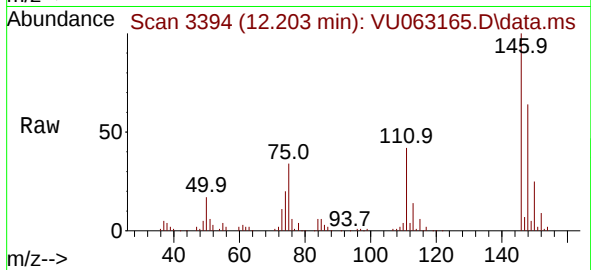
Tgt Ion:146 Resp: 65749
Ion Ratio Lower Upper
146 100
111 38.2 28.5 52.9
148 63.9 45.4 84.2



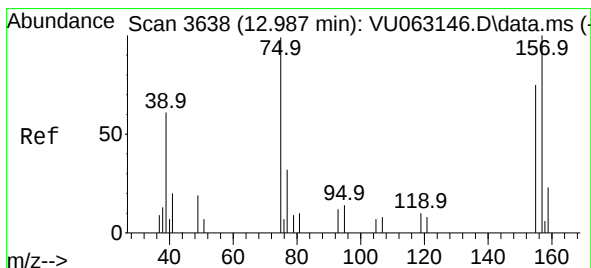
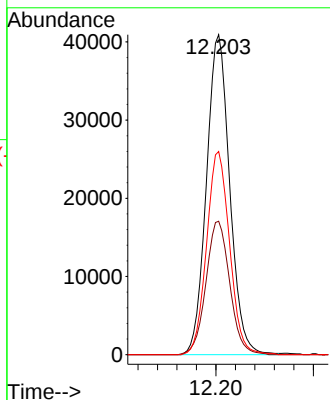
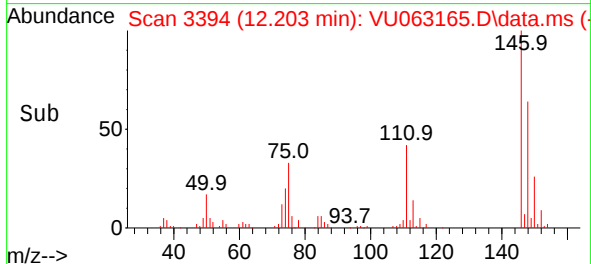


#67
1,2-Dichlorobenzene
Concen: 5.844 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. 0.000 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31

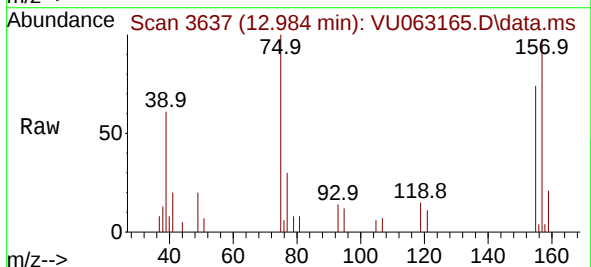
Instrument :
MSVOA_U
ClientSampleId :



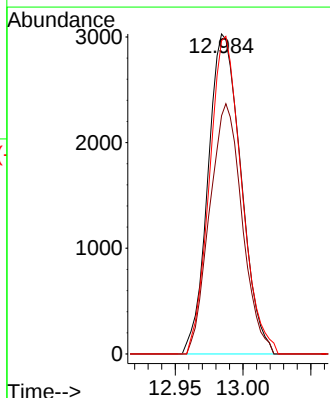
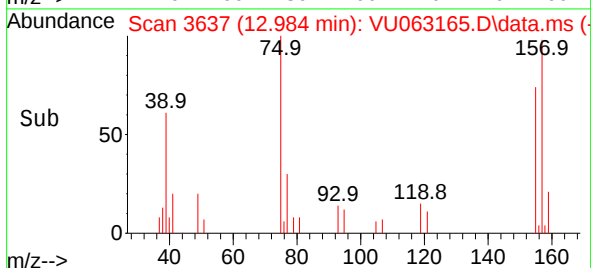
Tgt Ion:146 Resp: 67850
Ion Ratio Lower Upper
146 100
111 41.7 34.1 51.1
148 63.5 52.5 78.7

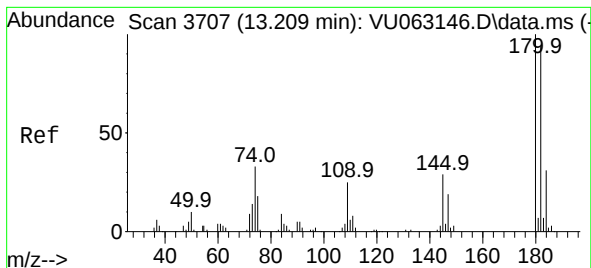


#68
1,2-Dibromo-3-chloropropane
Concen: 5.497 ug/L
RT: 12.984 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VU063165.D
Acq: 05 Feb 2025 17:31



Tgt Ion: 75 Resp: 5125
Ion Ratio Lower Upper
75 100
155 74.5 61.6 92.4
157 97.9 77.4 116.0





#69

1,3,5-Trichlorobenzene

Concen: 5.079 ug/L

RT: 13.209 min Scan# 31

Delta R.T. 0.000 min

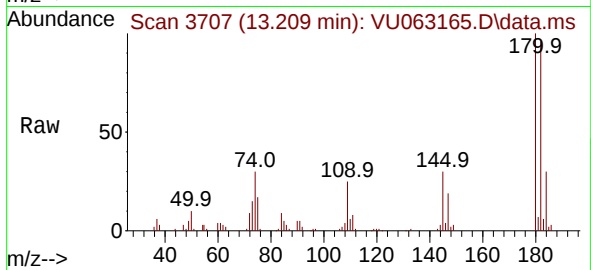
Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 43120

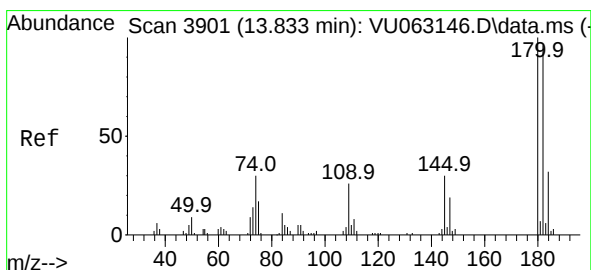
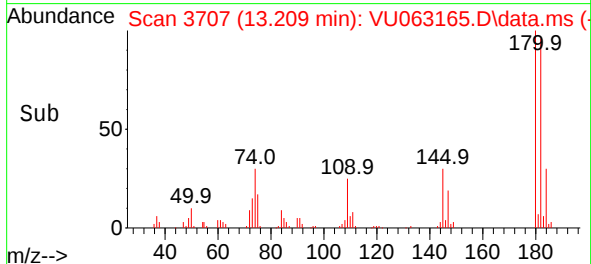
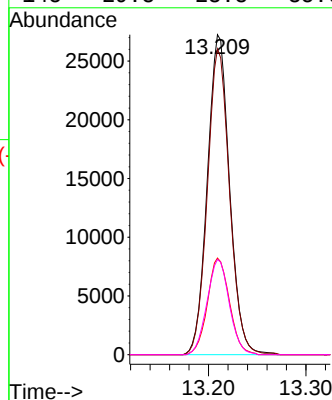
Ion Ratio Lower Upper

180 100

182 95.3 76.7 115.1

184 30.0 23.8 35.8

145 29.8 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 4.996 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU063165.D

Acq: 05 Feb 2025 17:31

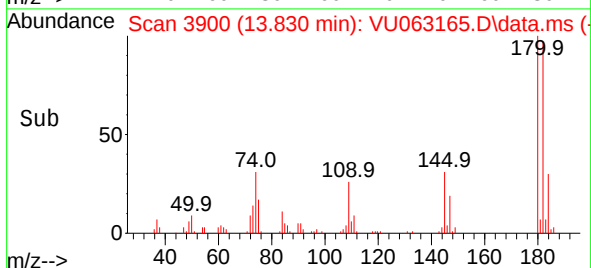
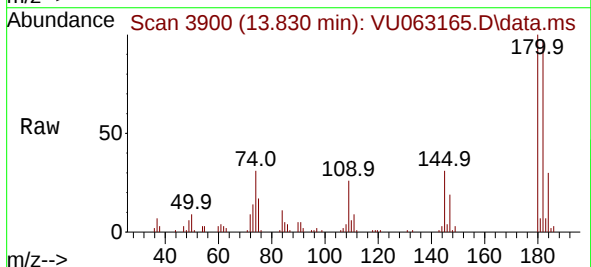
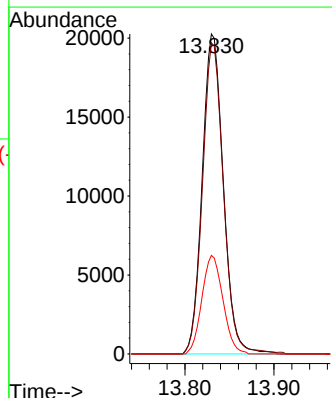
Tgt Ion:180 Resp: 33370

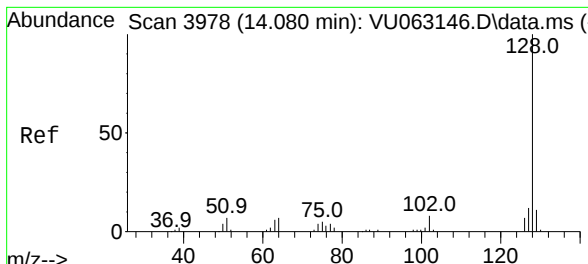
Ion Ratio Lower Upper

180 100

182 96.4 76.1 114.1

145 30.6 24.3 36.5



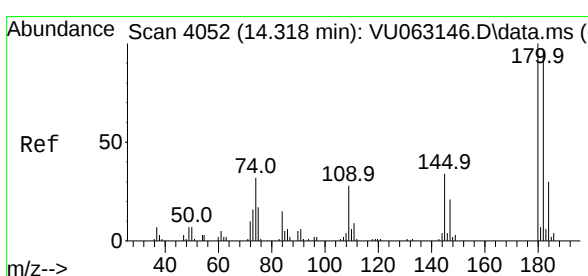
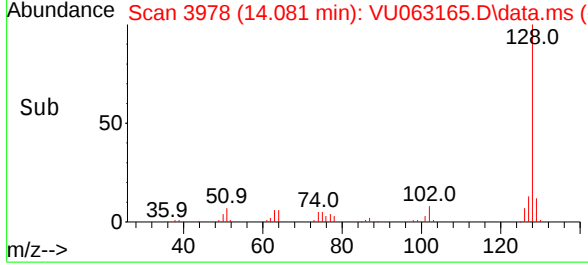
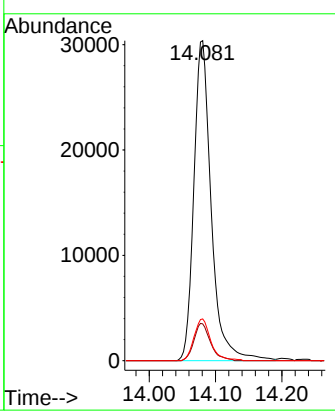
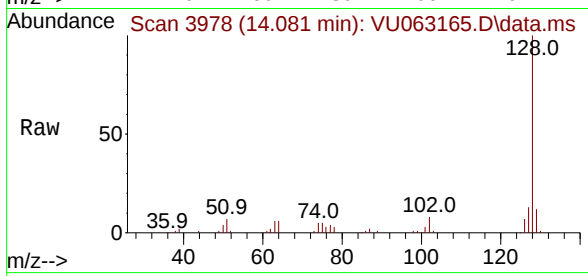


#71
 Naphthalene
 Concen: 5.041 ug/L
 RT: 14.081 min Scan# 3978
 Delta R.T. 0.000 min
 Lab File: VU063165.D
 Acq: 05 Feb 2025 17:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:128 Resp: 55255

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.0	12.0
127	12.6	10.6	15.8



#72
 1,2,3-Trichlorobenzene
 Concen: 5.176 ug/L
 RT: 14.318 min Scan# 4052
 Delta R.T. 0.000 min
 Lab File: VU063165.D
 Acq: 05 Feb 2025 17:31

Tgt Ion:180 Resp: 30889

Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.5	117.7
145	32.5	26.1	39.1

