

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020525\
 Data File : VU063166.D
 Acq On : 05 Feb 2025 17:55
 Operator : MD/SY
 Sample : Q1226-19MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 06 07:31:39 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	84706	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	82556	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	39586	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	20503	4.232	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.600%
7) Chloroethane-d5	1.901	69	21231	4.721	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.554	65	9829	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.605	46	84935	53.249	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.500%
24) Chloroform-d	5.049	84	53427	4.987	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.689	65	27367	4.967	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.714	84	102347	4.753	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
36) 1,2-Dichloropropane-d6	6.679	67	33995	4.788	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.888	98	89758	4.718	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.171	79	12260	4.609	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.621	63	68277	50.998	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.000%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	31096	4.963	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	12.183	152	31932	4.831	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	39336	5.360	ug/L	99
3) Chloromethane	1.518	50	39680	4.936	ug/L	99
5) Vinyl chloride	1.599	62	42966	5.280	ug/L	100
6) Bromomethane	1.843	94	15016	3.670	ug/L	100
8) Chloroethane	1.920	64	26640	5.434	ug/L	99
9) Trichlorofluoromethane	2.129	101	50502	5.525	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	30691	5.462	ug/L	97
12) 1,1-Dichloroethene	2.566	96	30618	5.561	ug/L	94
13) Acetone	2.611	43	53697	53.459	ug/L	100
14) Carbon disulfide	2.779	76	102131	5.283	ug/L	99
15) Methyl Acetate	2.939	43	13504	4.923	ug/L	96
16) Methylene chloride	3.029	84	34034	5.167	ug/L	95
17) Methyl tert-butyl Ether	3.348	73	79644	5.249	ug/L	99
18) trans-1,2-Dichloroethene	3.338	96	32651	5.546	ug/L	96
19) 1,1-Dichloroethane	3.853	63	63031	5.325	ug/L	100
21) 2-Butanone	4.685	43	92279	55.333	ug/L	99
22) cis-1,2-Dichloroethene	4.650	96	80701	12.288	ug/L	100
23) Bromochloromethane	4.959	128	16077	5.457	ug/L	98
25) Chloroform	5.071	83	63383	5.441	ug/L	98

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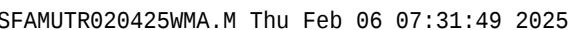
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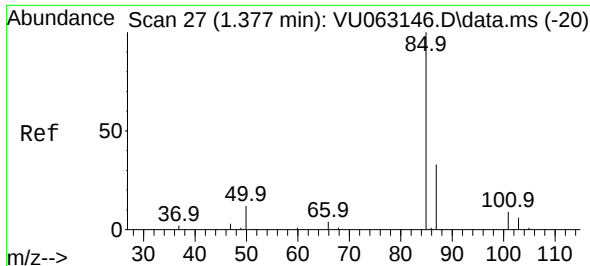
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 06 07:25:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	40253	5.245	ug/L	97
29) 1,1,1-Trichloroethane	5.299	97	50949	5.214	ug/L	99
30) Cyclohexane	5.373	56	53954	5.216	ug/L	98
31) Carbon tetrachloride	5.512	117	43979	5.334	ug/L	98
33) Benzene	5.759	78	145231	5.346	ug/L	100
34) Trichloroethene	6.528	95	107765	15.618	ug/L	98
35) Methylcyclohexane	6.750	83	54610	5.282	ug/L	99
37) 1,2-Dichloropropane	6.775	63	38155	5.266	ug/L	99
38) Bromodichloromethane	7.090	83	44468	5.111	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	52980	5.127	ug/L	99
40) 4-Methyl-2-pentanone	7.775	43	226918	53.058	ug/L	99
42) Toluene	7.959	91	151141	5.323	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	44697	5.167	ug/L	98
45) 1,1,2-Trichloroethane	8.386	97	27108	5.066	ug/L	98
47) Tetrachloroethene	8.544	164	372488	76.866	ug/L	99
48) 2-Hexanone	8.669	43	166631	55.226	ug/L	100
49) Dibromochloromethane	8.798	129	29346	5.210	ug/L	98
50) 1,2-Dibromoethane	8.913	107	26100	5.318	ug/L	98
51) Chlorobenzene	9.438	112	94861	5.534	ug/L	99
52) Ethylbenzene	9.560	91	157666	5.308	ug/L	99
53) m,p-Xylene	9.685	106	58742	5.483	ug/L	100
54) o-Xylene	10.090	106	62494	5.883	ug/L	99
55) Styrene	10.103	104	94293	5.392	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	36088	5.254	ug/L	98
59) Bromoform	10.280	173	17501	5.128	ug/L	99
60) Isopropylbenzene	10.473	105	164367	5.847	ug/L	100
61) 1,2,3-Trichloropropane	10.811	75	24280	5.083	ug/L	98
62) 1,3,5-Trimethylbenzene	11.077	105	121202	5.466	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	145340	6.816	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	67872	5.329	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	68012	5.311	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	70432	5.918	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	5223	5.465	ug/L	96
69) 1,3,5-Trichlorobenzene	13.209	180	46609	5.356	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	37315	5.450	ug/L	98
71) Naphthalene	14.077	128	64058	5.701	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	34556	5.649	ug/L	99

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

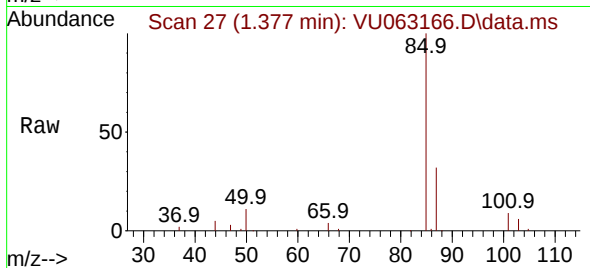
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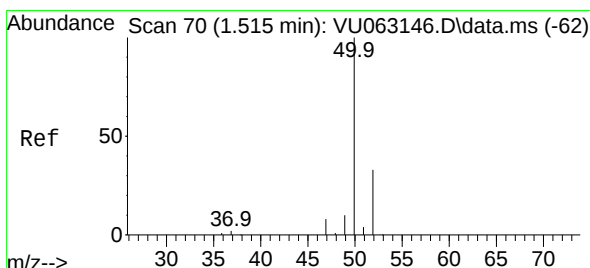
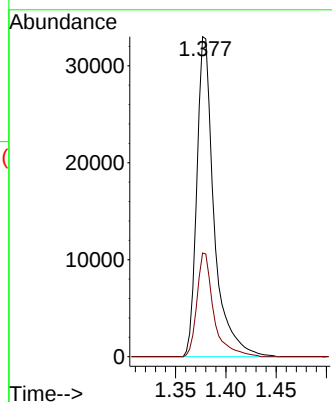
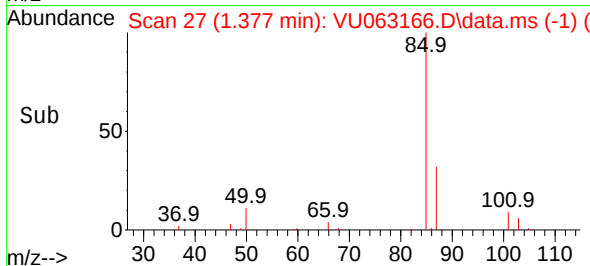


#2
 Dichlorodifluoromethane
 Concen: 5.360 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063166.D
 Acq: 05 Feb 2025 17:55

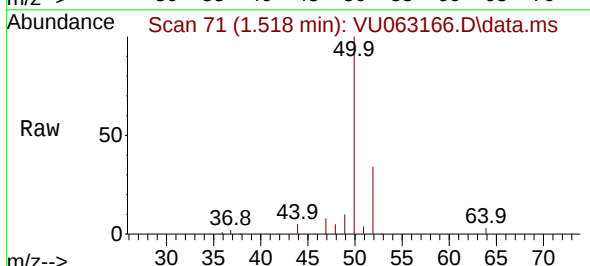
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 MSVOA_U
 ClientSampleId :



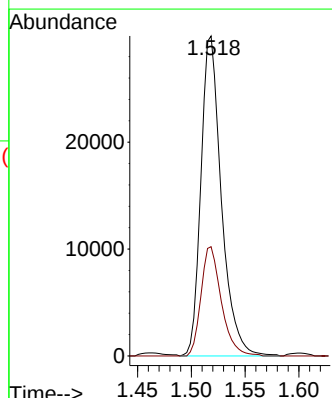
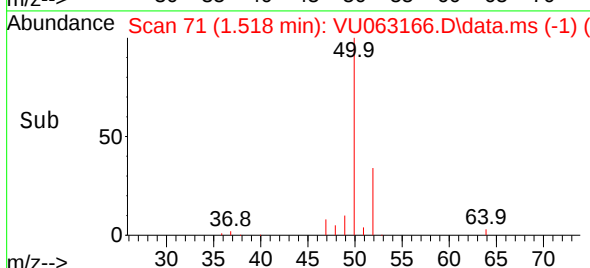
Tgt Ion: 85 Resp: 39336
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.9 38.9

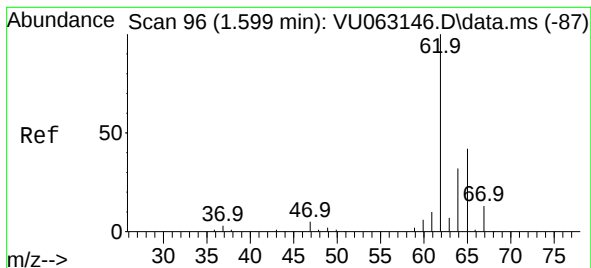


#3
 Chloromethane
 Concen: 4.936 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU063166.D
 Acq: 05 Feb 2025 17:55



Tgt Ion: 50 Resp: 39680
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.4 43.6





#5

Vinyl chloride

Concen: 5.280 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

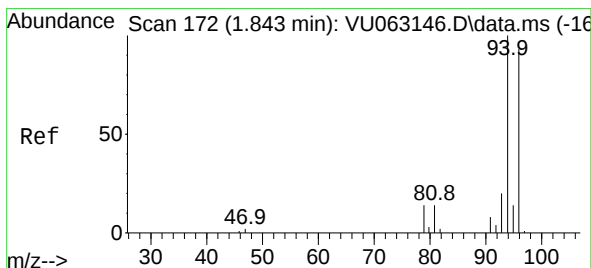
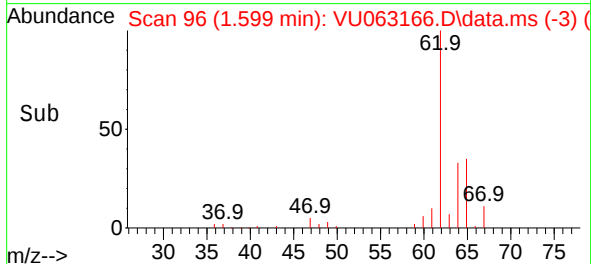
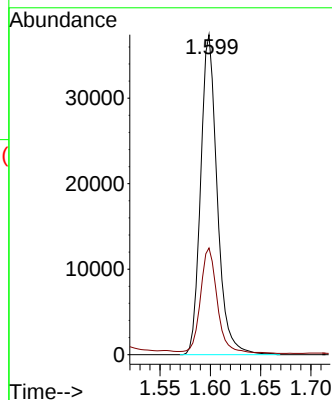
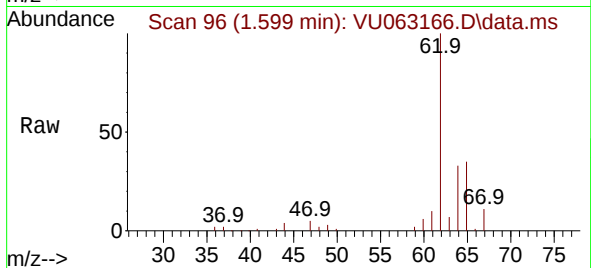
ClientSampleId :

Tgt Ion: 62 Resp: 42966

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.0



#6

Bromomethane

Concen: 3.670 ug/L

RT: 1.843 min Scan# 172

Delta R.T. 0.000 min

Lab File: VU063166.D

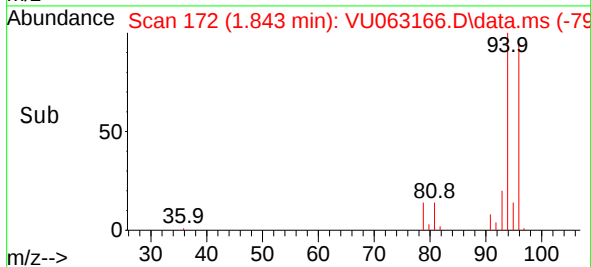
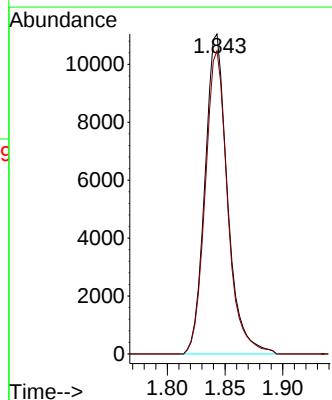
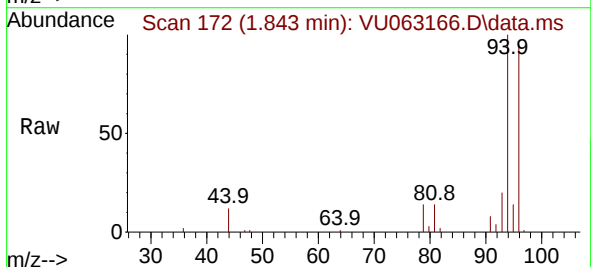
Acq: 05 Feb 2025 17:55

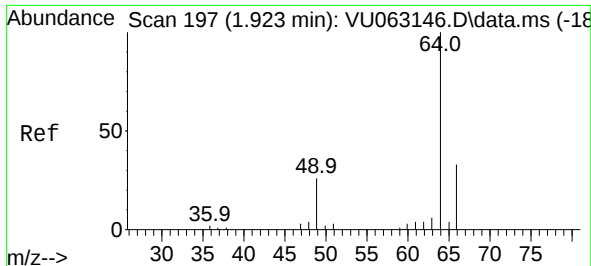
Tgt Ion: 94 Resp: 15016

Ion Ratio Lower Upper

94 100

96 94.7 66.3 123.1

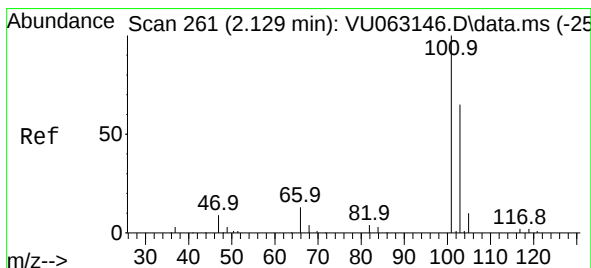
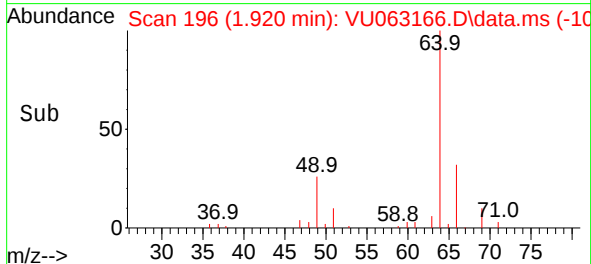
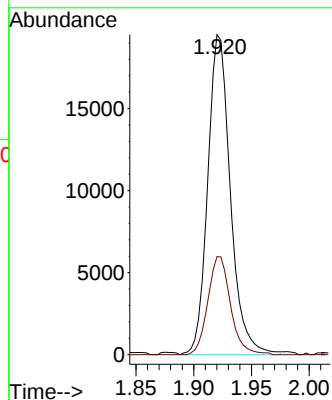
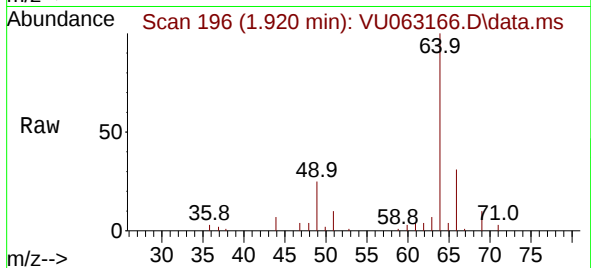




#8
Chloroethane
Concen: 5.434 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

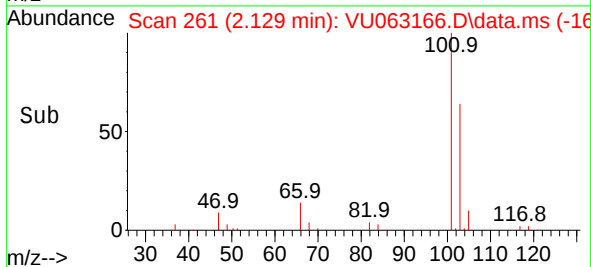
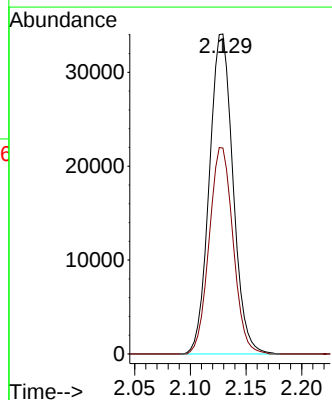
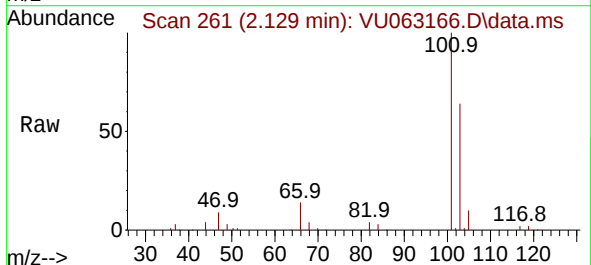
Instrument :
MSVOA_U
ClientSampleId :

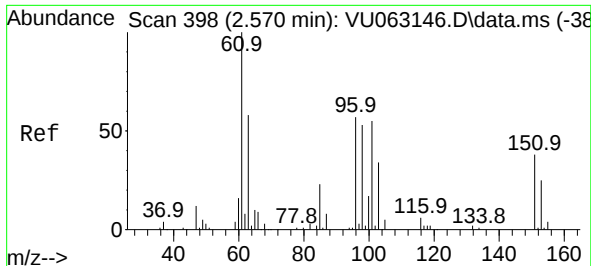
Tgt Ion: 64 Resp: 26640
Ion Ratio Lower Upper
64 100
66 30.7 21.7 40.3



#9
Trichlorofluoromethane
Concen: 5.525 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Tgt Ion:101 Resp: 50502
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.8





#10

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

Concen: 5.462 ug/L

RT: 2.566 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU063166.D

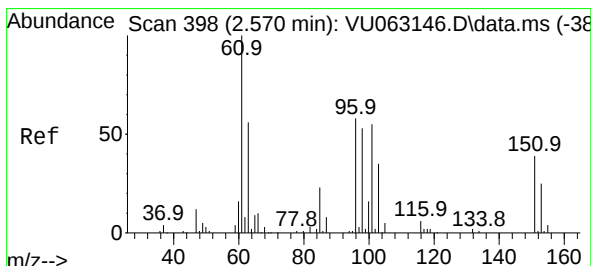
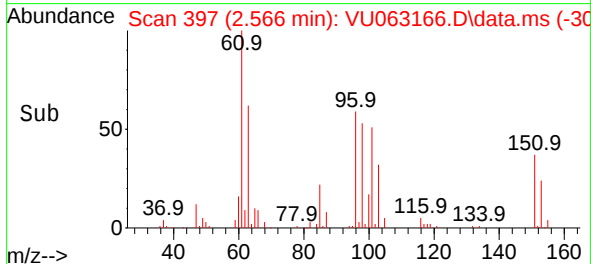
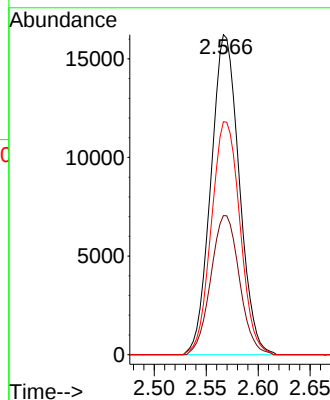
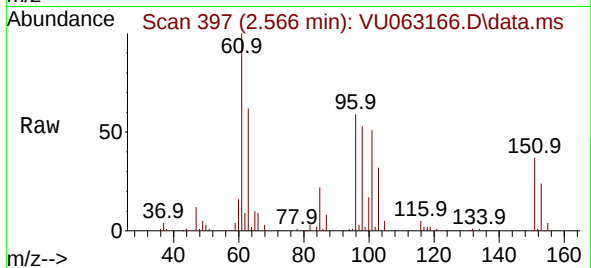
Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:101	Resp:	30691
Ion Ratio	Lower	Upper
101	100	
85	44.0	35.0 52.4
151	73.8	56.3 84.5



#12

1,1-Dichloroethene

Concen: 5.561 ug/L

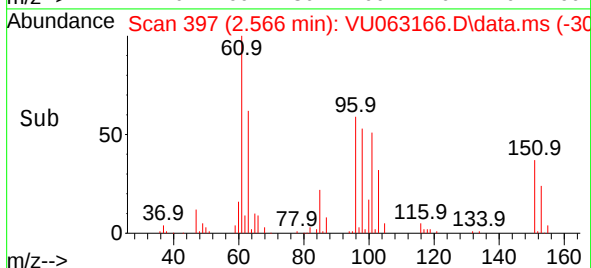
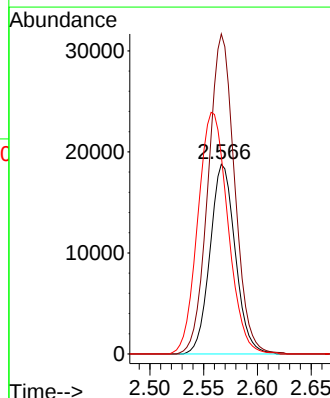
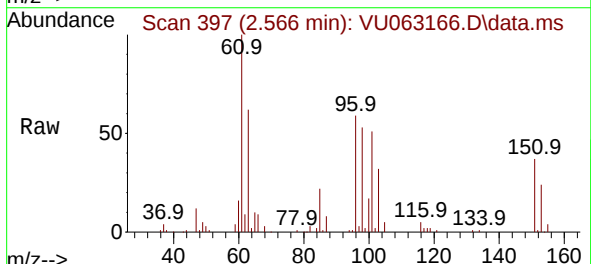
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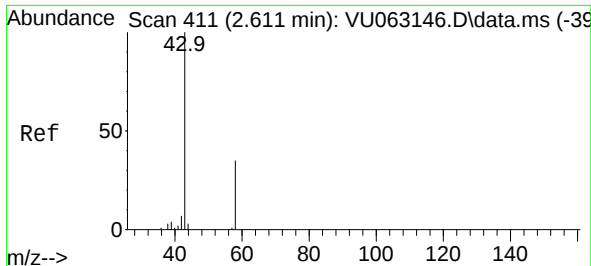
Delta R.T. -0.003 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Tgt Ion: 96	Resp:	30618
Ion Ratio	Lower	Upper
96	100	
61	168.7	121.9 226.3
63	104.3	80.3 149.1





#13

Acetone

Concen: 53.459 ug/L

RT: 2.611 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

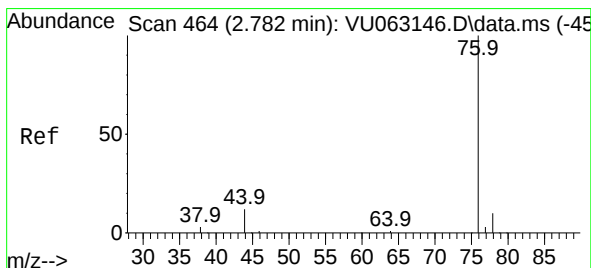
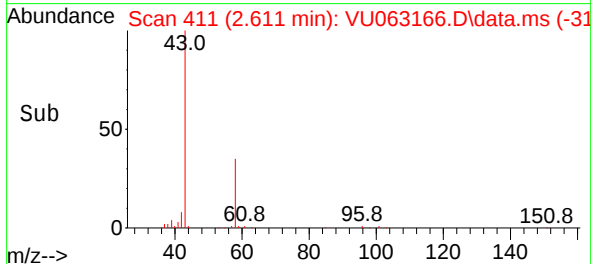
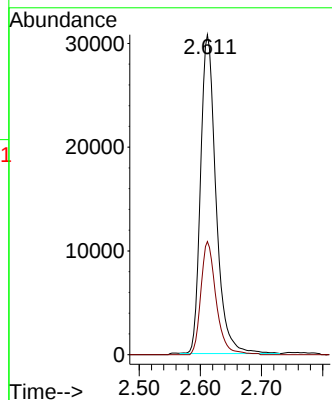
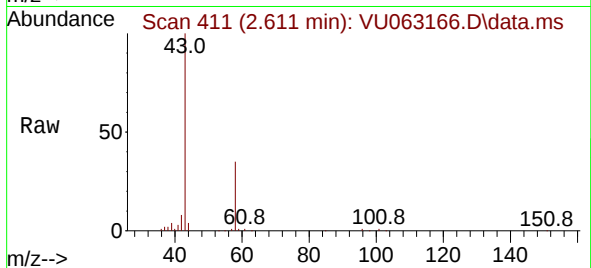
ClientSampleId :

Tgt Ion: 43 Resp: 53697

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.2



#14

Carbon disulfide

Concen: 5.283 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063166.D

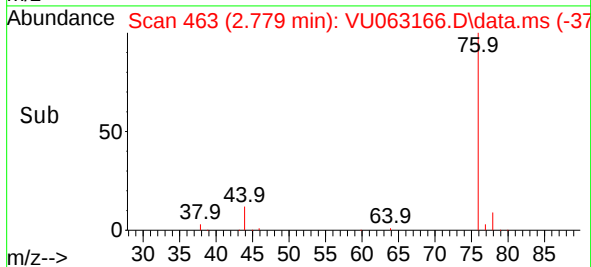
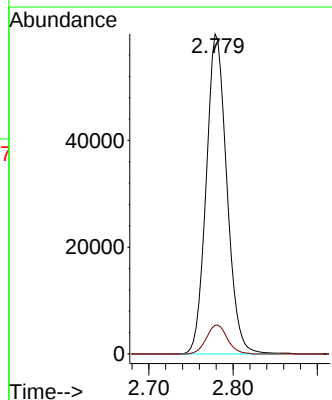
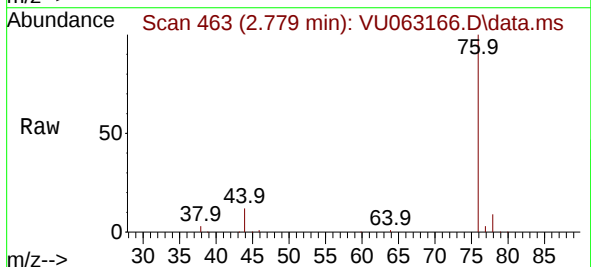
Acq: 05 Feb 2025 17:55

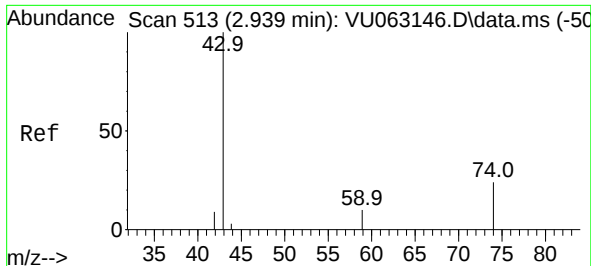
Tgt Ion: 76 Resp: 102131

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 4.923 ug/L

RT: 2.939 min Scan# 513

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

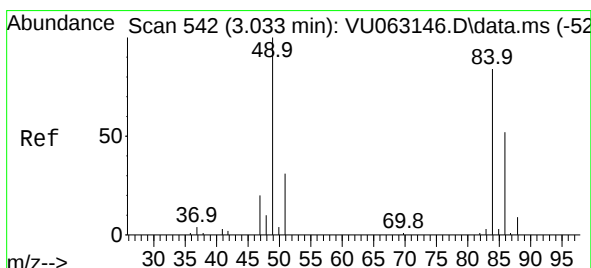
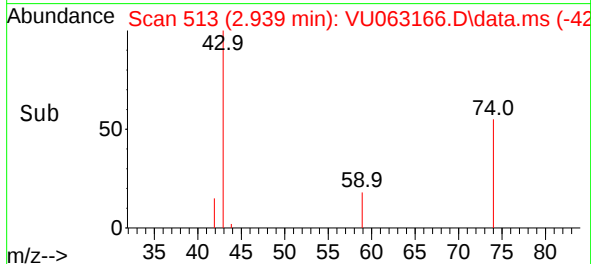
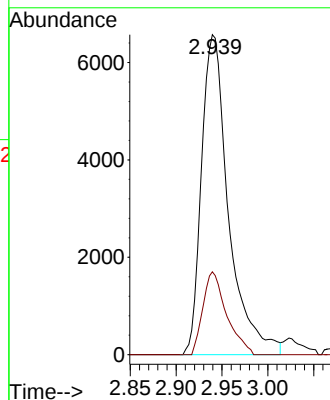
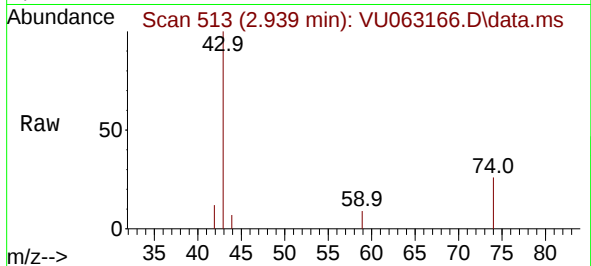
ClientSampleId :

Tgt Ion: 43 Resp: 13504

Ion Ratio Lower Upper

43 100

74 22.6 19.5 29.3



#16

Methylene chloride

Concen: 5.167 ug/L

RT: 3.029 min Scan# 541

Delta R.T. -0.003 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

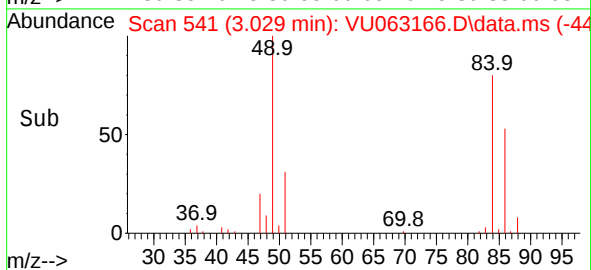
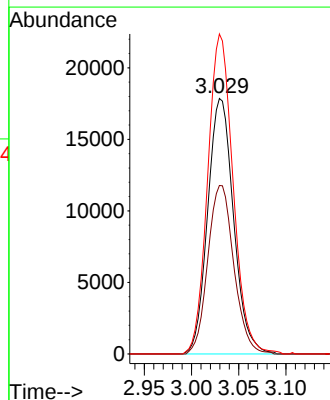
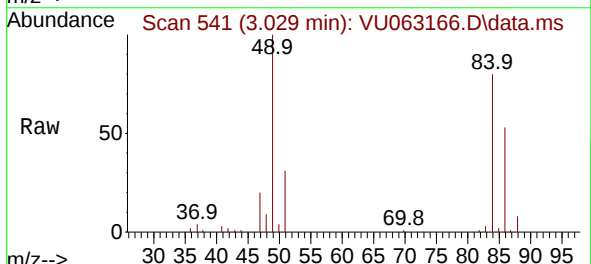
Tgt Ion: 84 Resp: 34034

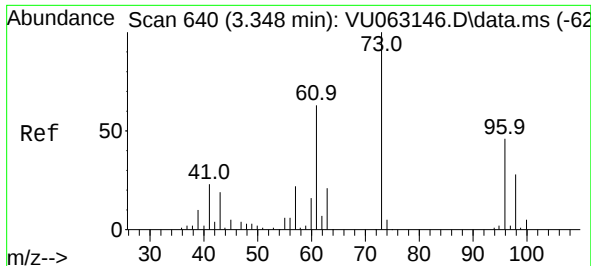
Ion Ratio Lower Upper

84 100

86 65.9 45.0 83.6

49 125.2 82.4 153.0

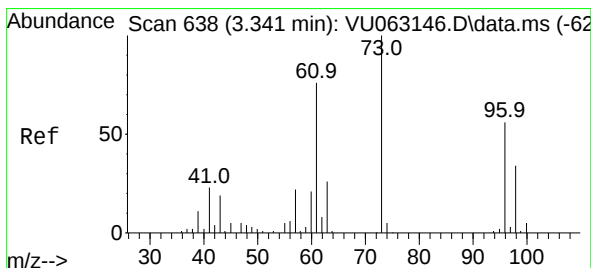
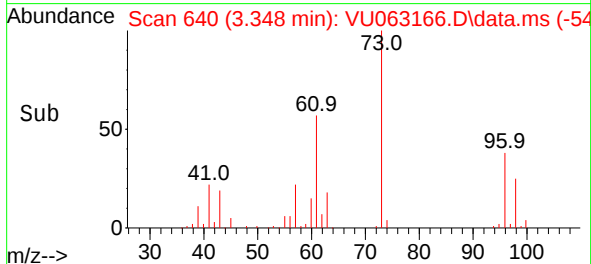
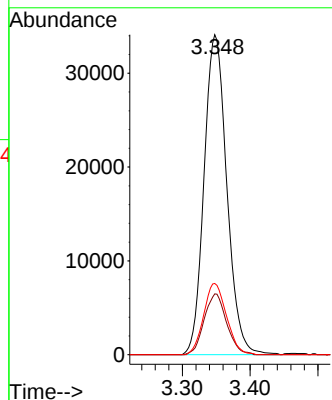
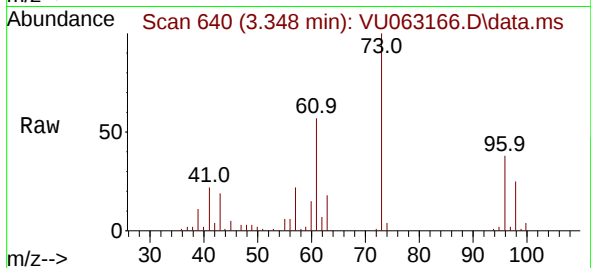




#17
Methyl tert-butyl Ether
Concen: 5.249 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

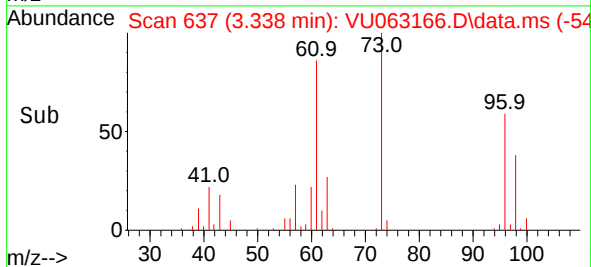
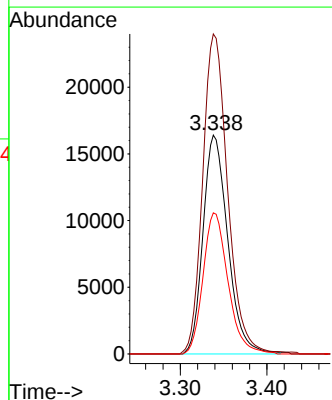
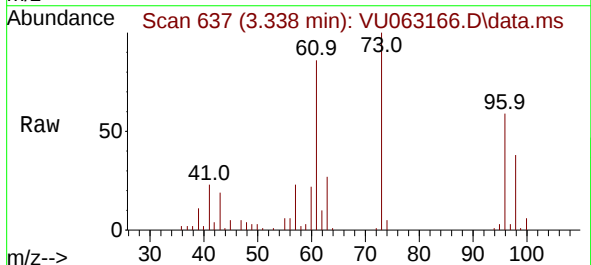
Instrument :
MSVOA_U
ClientSampleId :

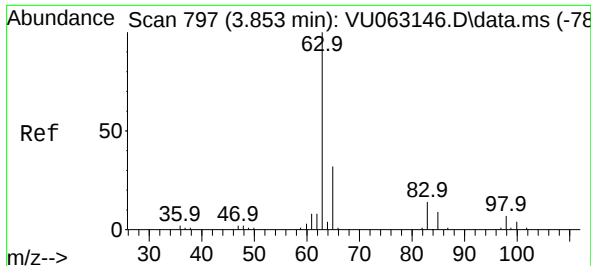
Tgt Ion: 73	Resp:	79644
Ion Ratio	Lower	Upper
73	100	
43	18.8	15.1 22.7
57	22.3	18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 5.546 ug/L
RT: 3.338 min Scan# 637
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Tgt Ion: 96	Resp:	32651
Ion Ratio	Lower	Upper
96	100	
61	146.2	99.2 184.2
98	64.5	43.2 80.2

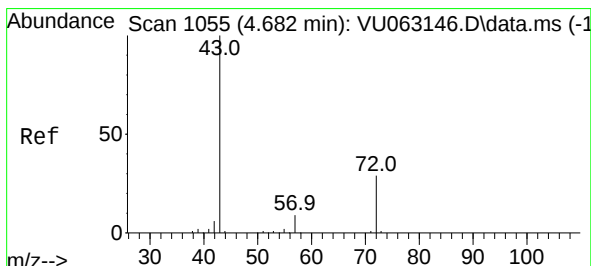
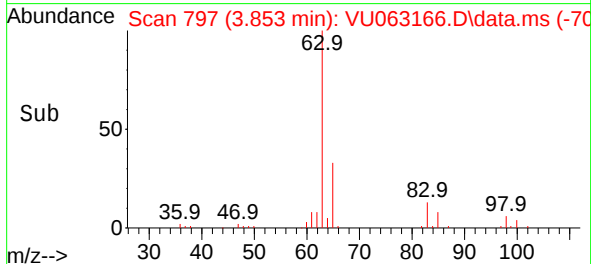
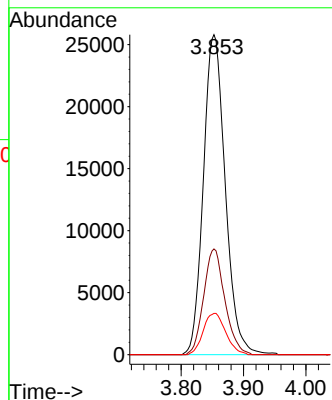
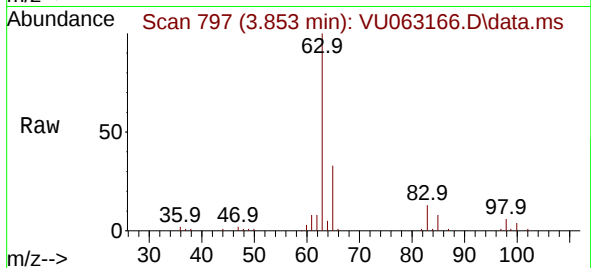




#19
1,1-Dichloroethane
Concen: 5.325 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

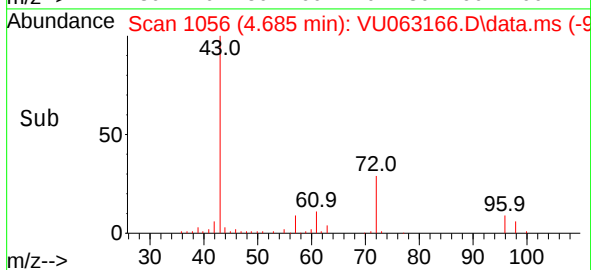
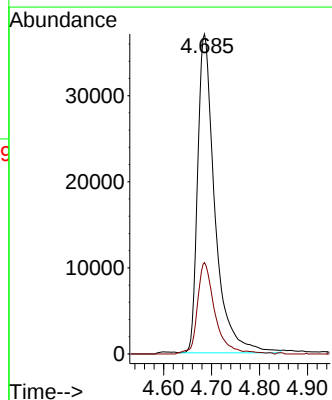
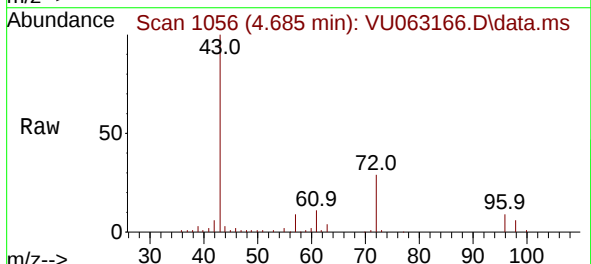
Instrument :
MSVOA_U
ClientSampleId :

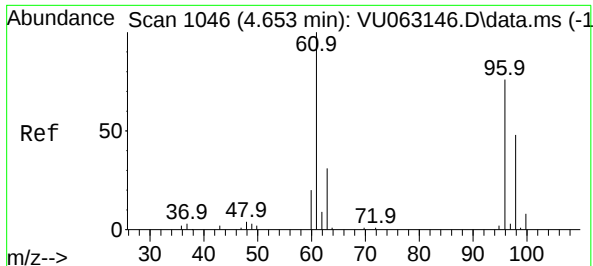
Tgt Ion: 63 Resp: 63031
Ion Ratio Lower Upper
63 100
65 33.0 23.2 43.0
83 12.9 8.7 16.1



#21
2-Butanone
Concen: 55.333 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

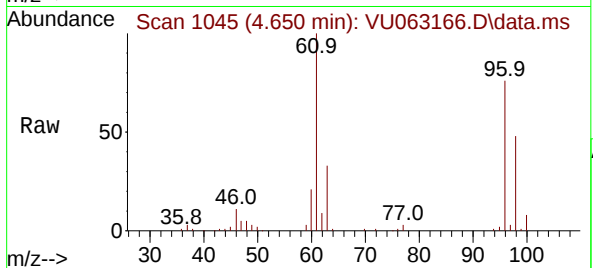
Tgt Ion: 43 Resp: 92279
Ion Ratio Lower Upper
43 100
72 28.6 13.9 41.7



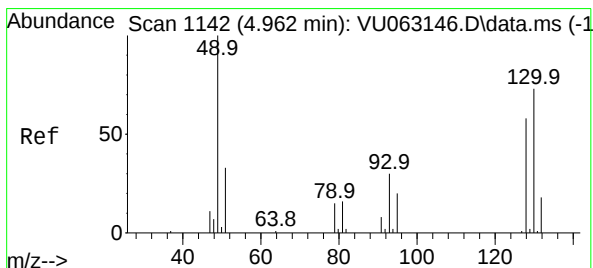
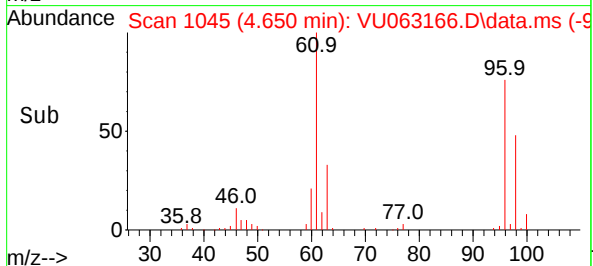
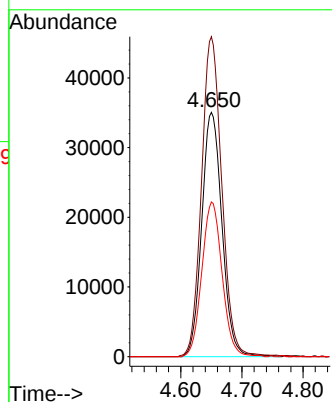


#22
cis-1,2-Dichloroethene
Concen: 12.288 ug/L
RT: 4.650 min Scan# 1140
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Instrument :
MSVOA_U
ClientSampleId :

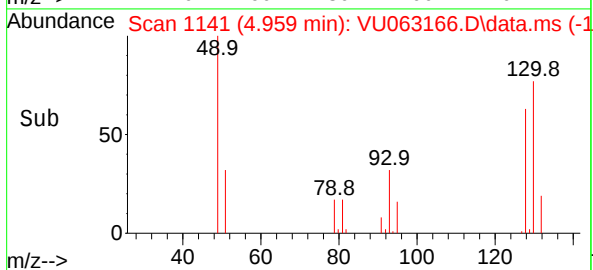
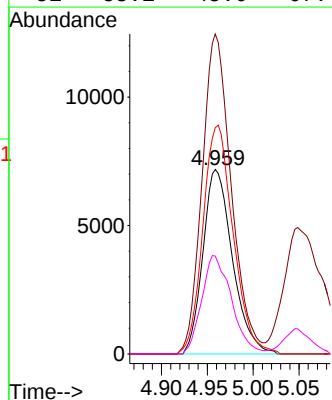
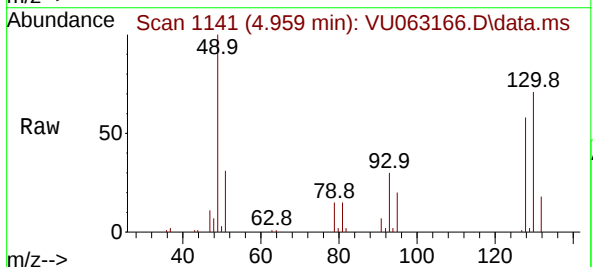


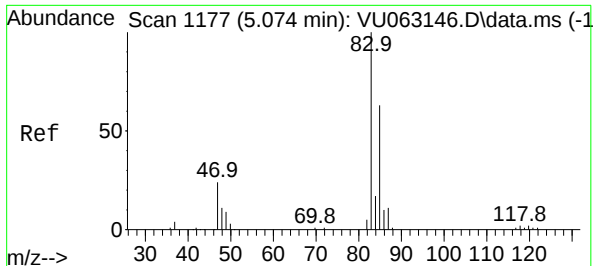
Tgt Ion: 96 Resp: 80701
Ion Ratio Lower Upper
96 100
61 131.0 91.8 170.6
98 63.3 44.4 82.4



#23
Bromochloromethane
Concen: 5.457 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Tgt Ion:128 Resp: 16077
Ion Ratio Lower Upper
128 100
49 173.4 121.2 225.2
130 122.6 89.2 165.6
51 53.1 45.0 67.4





#25

Chloroform

Concen: 5.441 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. -0.003 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

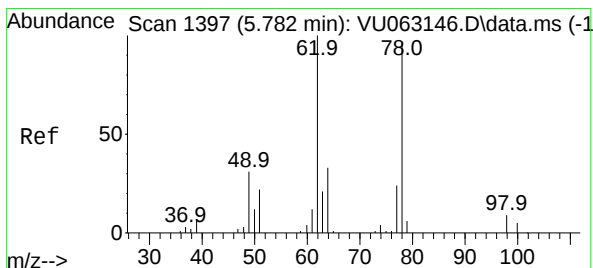
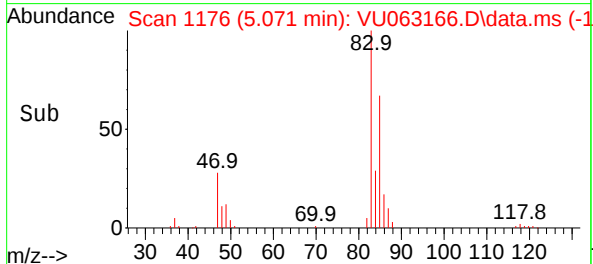
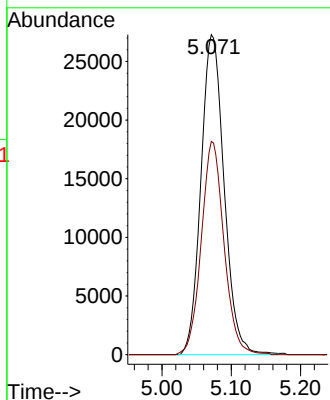
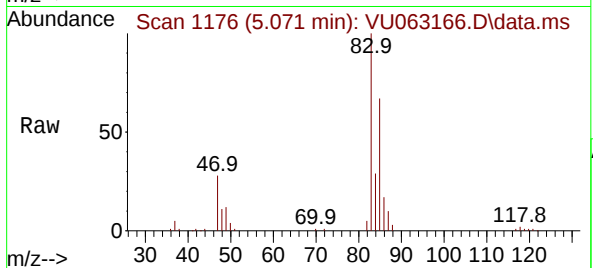
ClientSampleId :

Tgt Ion: 83 Resp: 63383

Ion Ratio Lower Upper

83 100

85 66.6 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.245 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU063166.D

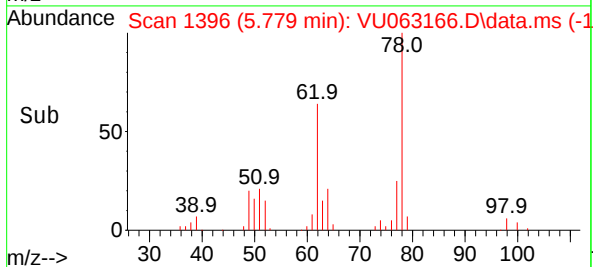
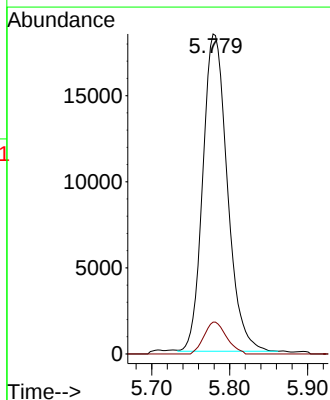
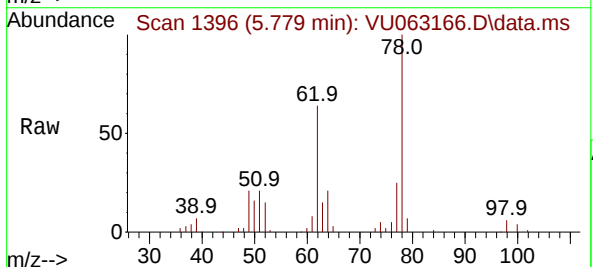
Acq: 05 Feb 2025 17:55

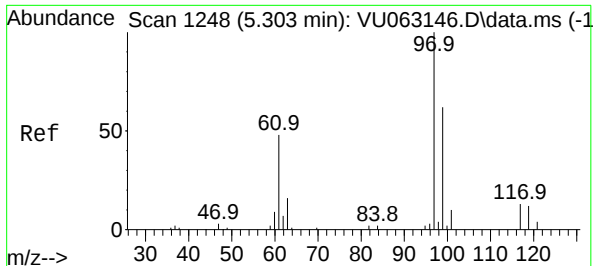
Tgt Ion: 62 Resp: 40253

Ion Ratio Lower Upper

62 100

98 10.0 7.2 10.8

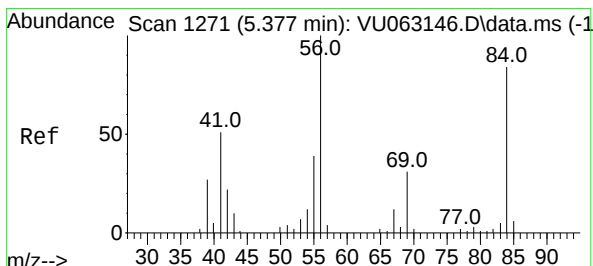
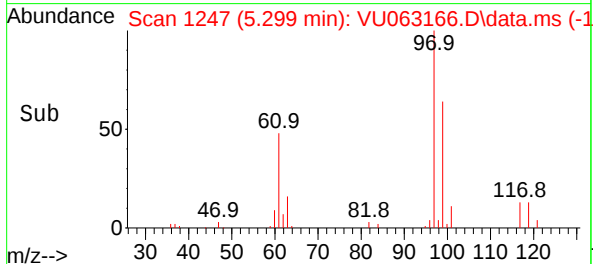
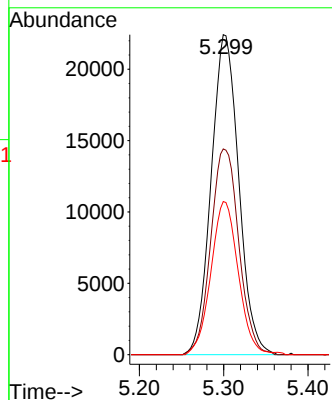
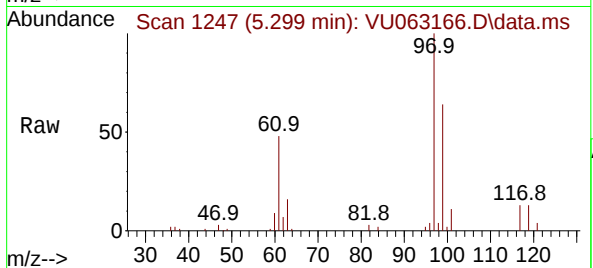




#29
1,1,1-Trichloroethane
Concen: 5.214 ug/L
RT: 5.299 min Scan# 1247
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

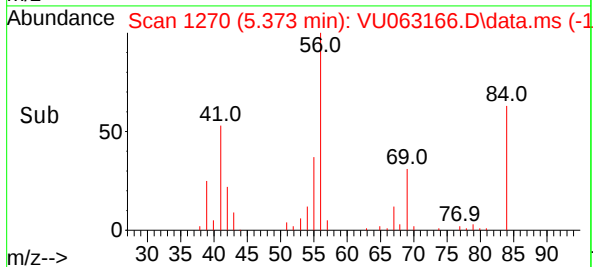
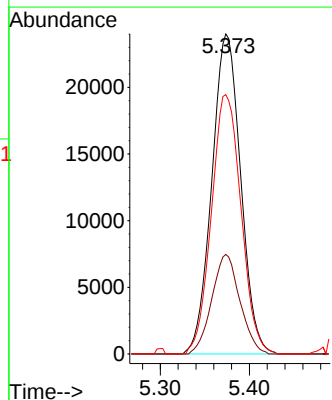
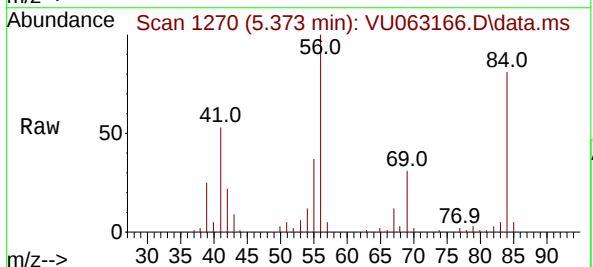
Instrument :
MSVOA_U
ClientSampleId :

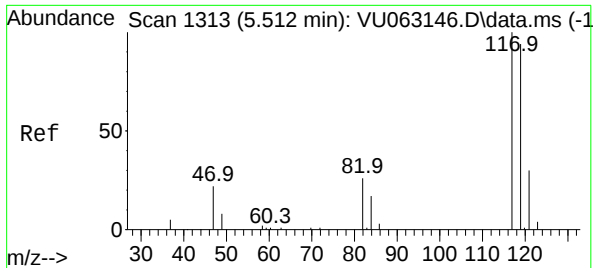
Tgt Ion: 97 Resp: 50949
Ion Ratio Lower Upper
97 100
99 65.5 51.5 77.3
61 47.7 38.5 57.7



#30
Cyclohexane
Concen: 5.216 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Tgt Ion: 56 Resp: 53954
Ion Ratio Lower Upper
56 100
69 30.3 24.6 37.0
84 83.2 67.9 101.9

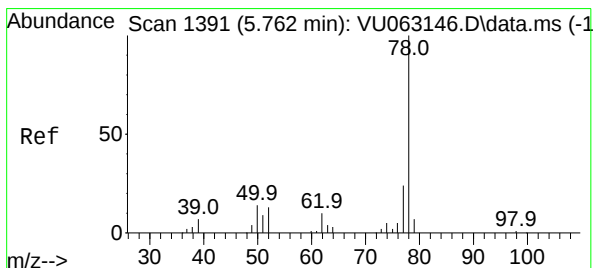
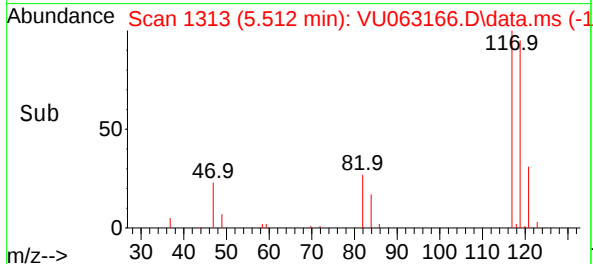
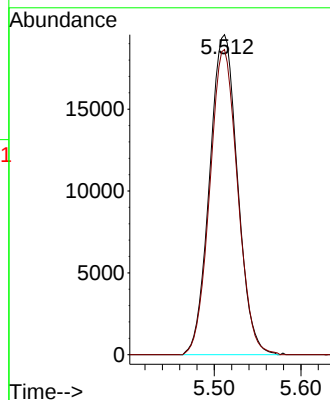
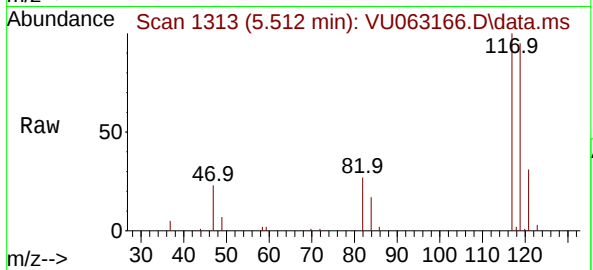




#31
Carbon tetrachloride
Concen: 5.334 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

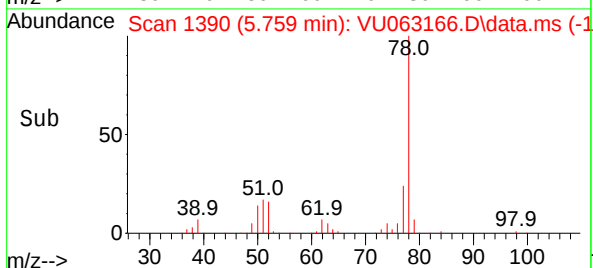
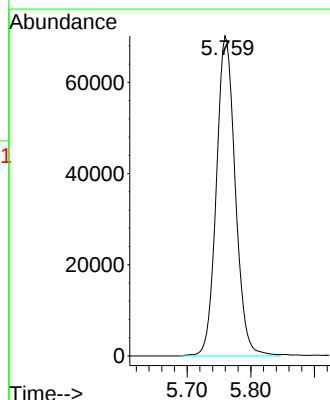
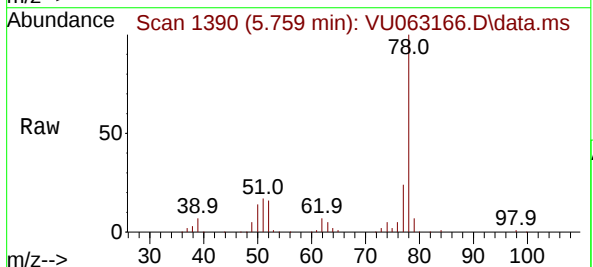
Instrument :
MSVOA_U
ClientSampleId :

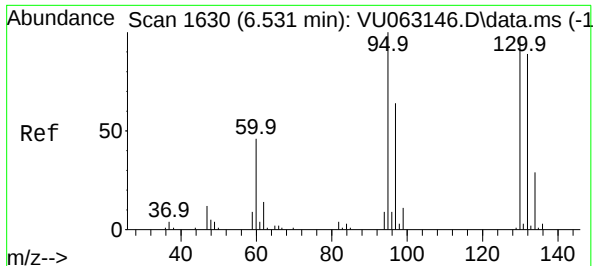
Tgt Ion:117 Resp: 43979
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.4



#33
Benzene
Concen: 5.346 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Tgt Ion: 78 Resp: 145231





#34

Trichloroethene

Concen: 15.618 ug/L

RT: 6.528 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 107765

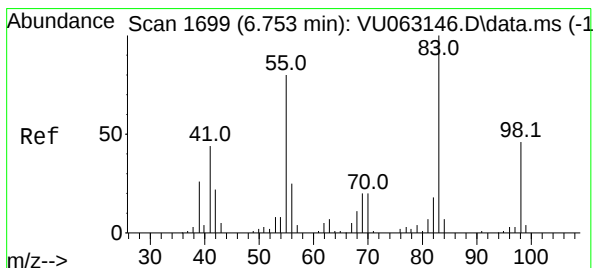
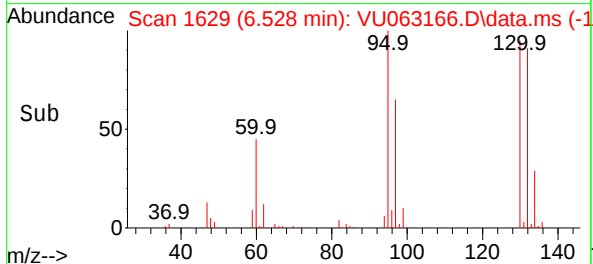
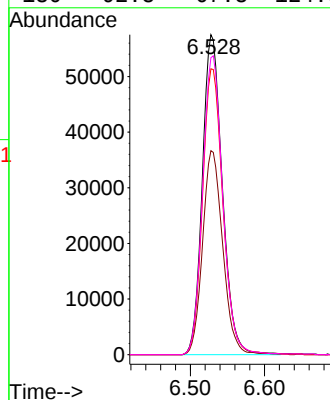
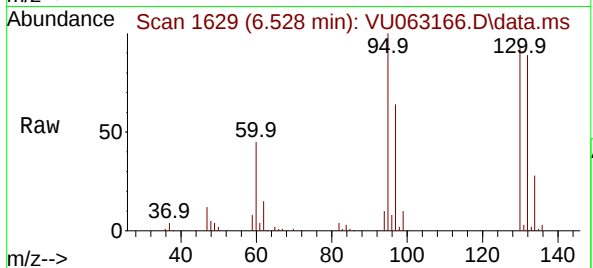
Ion Ratio Lower Upper

95 100

97 63.7 46.7 86.7

132 89.4 62.4 115.8

130 92.8 67.3 124.9



#35

Methylcyclohexane

Concen: 5.282 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

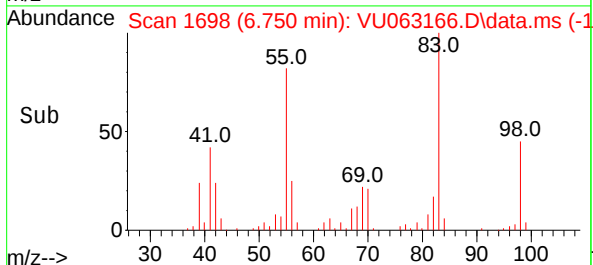
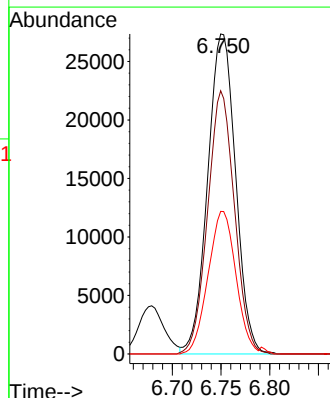
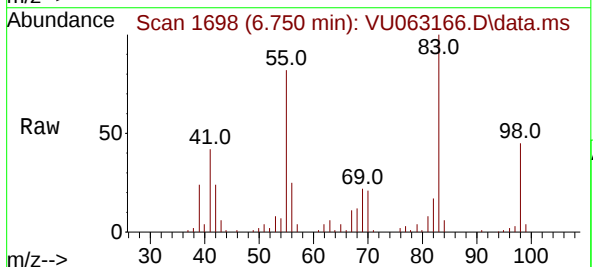
Tgt Ion: 83 Resp: 54610

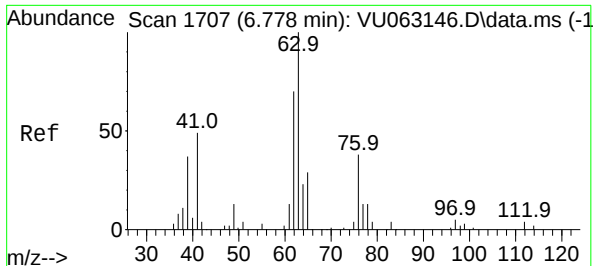
Ion Ratio Lower Upper

83 100

55 78.9 62.8 94.2

98 44.2 36.0 54.0

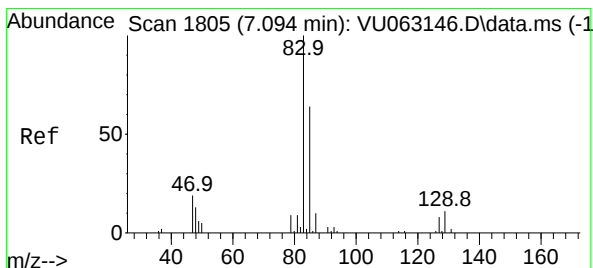
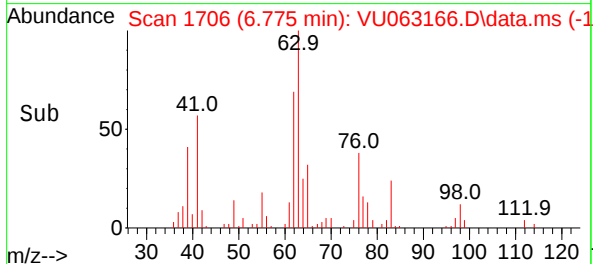
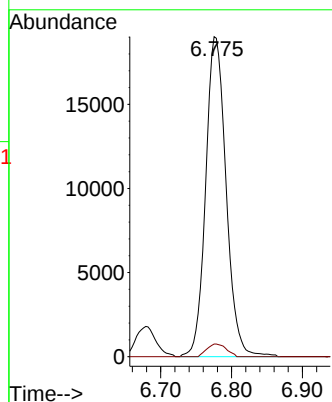
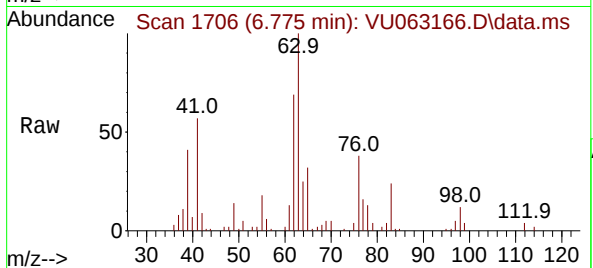




#37
1,2-Dichloropropane
Concen: 5.266 ug/L
RT: 6.775 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

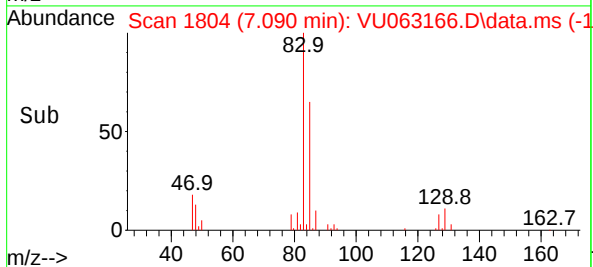
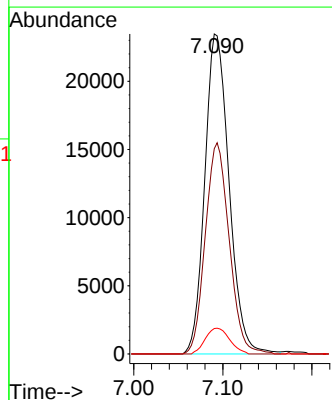
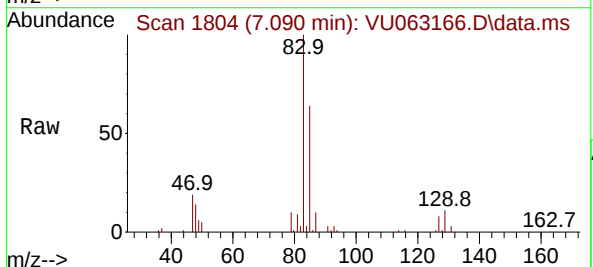
Instrument :
MSVOA_U
ClientSampleId :

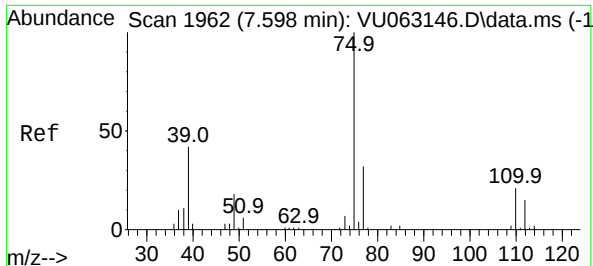
Tgt Ion: 63 Resp: 38155
Ion Ratio Lower Upper
63 100
112 3.8 2.6 4.0



#38
Bromodichloromethane
Concen: 5.111 ug/L
RT: 7.090 min Scan# 1804
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Tgt Ion: 83 Resp: 44468
Ion Ratio Lower Upper
83 100
85 64.2 44.0 81.8
127 7.9 6.3 9.5

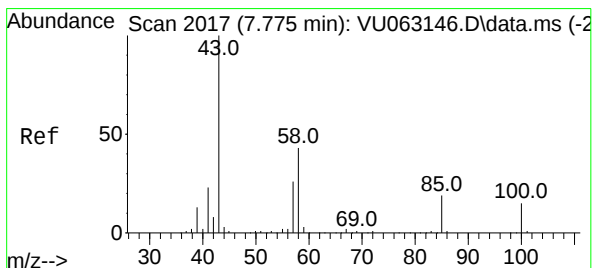
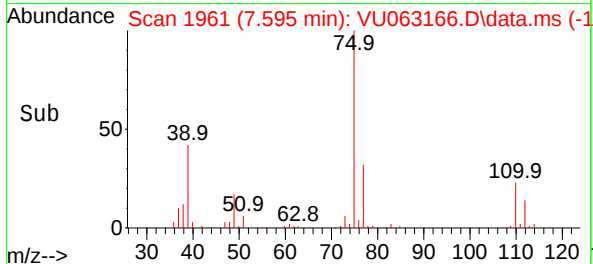
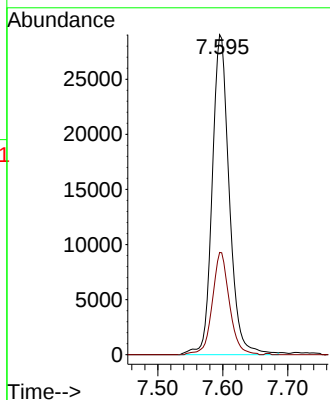
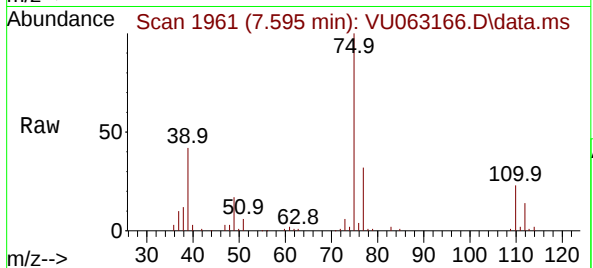




#39
 cis-1,3-Dichloropropene
 Concen: 5.127 ug/L
 RT: 7.595 min Scan# 1962
 Delta R.T. -0.003 min
 Lab File: VU063166.D
 Acq: 05 Feb 2025 17:55

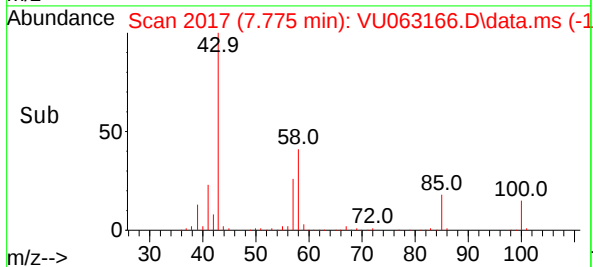
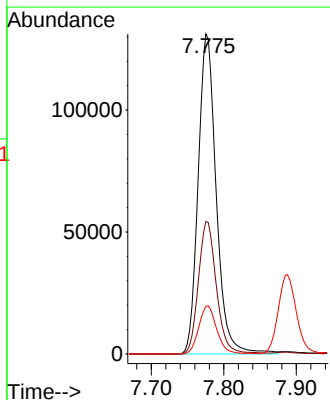
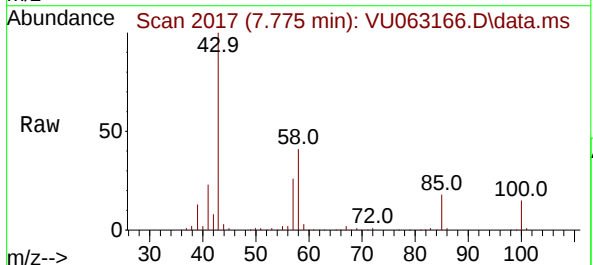
Instrument :
 MSVOA_U
 ClientSampleId :

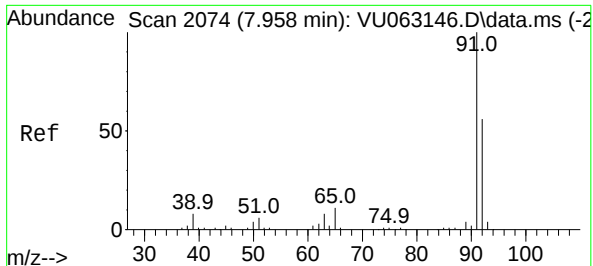
Tgt Ion: 75 Resp: 52980
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 53.058 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VU063166.D
 Acq: 05 Feb 2025 17:55

Tgt Ion: 43 Resp: 226918
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.7 50.5
 100 15.0 12.1 18.1





#42

Toluene

Concen: 5.323 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

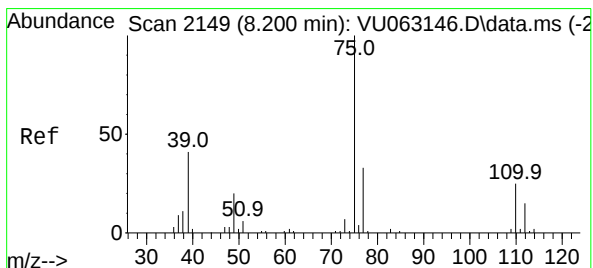
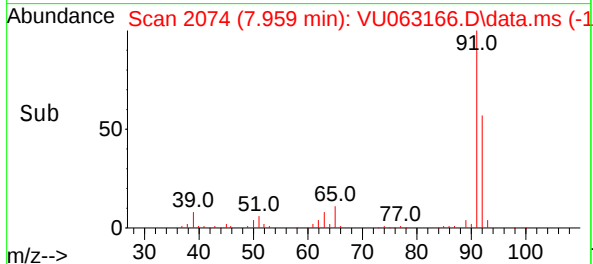
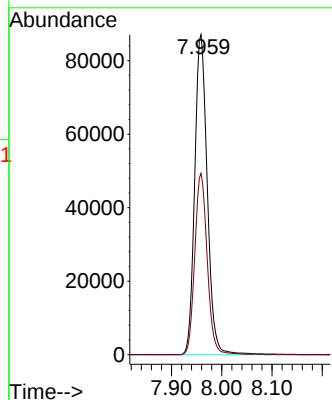
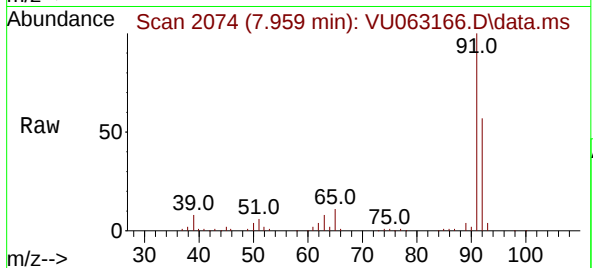
ClientSampleId :

Tgt Ion: 91 Resp: 151141

Ion Ratio Lower Upper

91 100

92 56.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.167 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063166.D

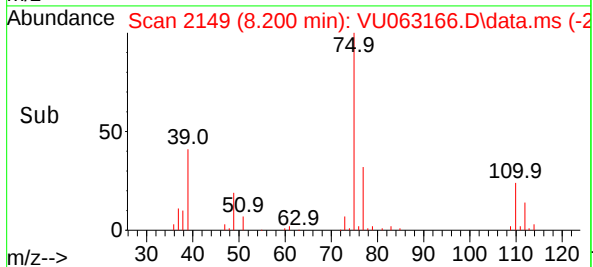
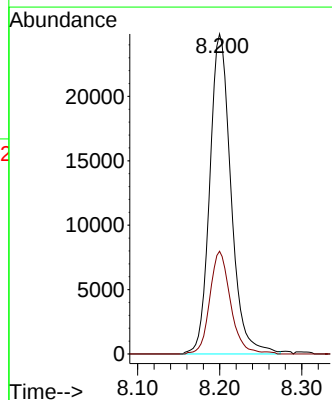
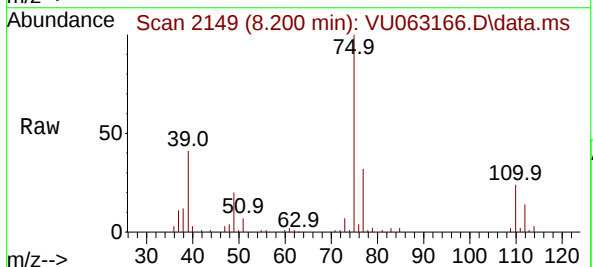
Acq: 05 Feb 2025 17:55

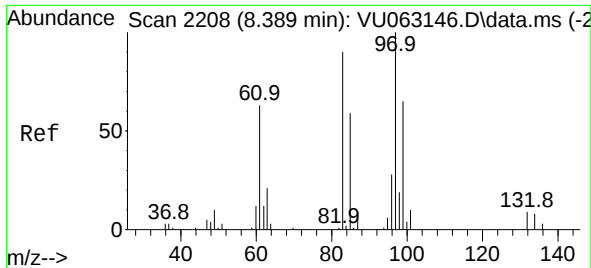
Tgt Ion: 75 Resp: 44697

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.0

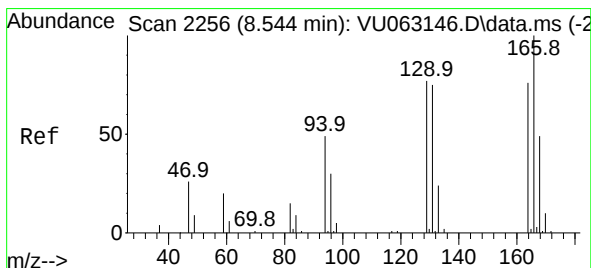
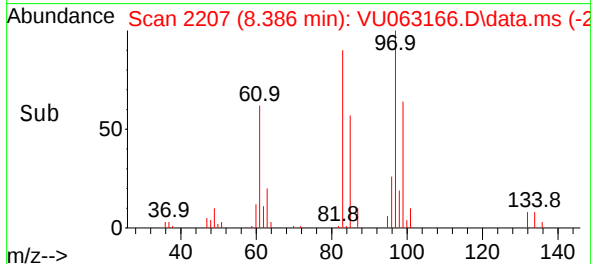
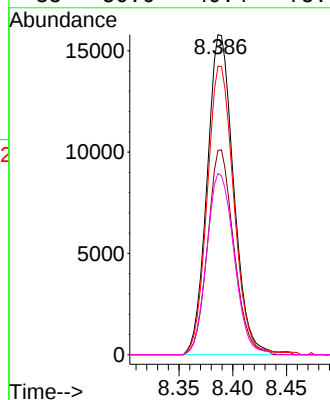
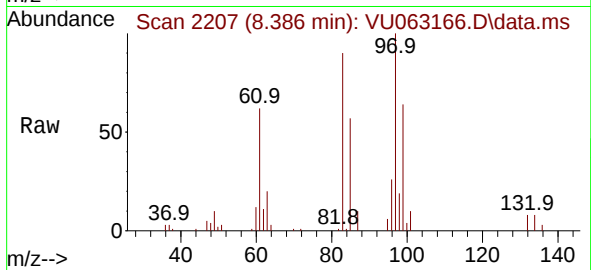




#45
1,1,2-Trichloroethane
Concen: 5.066 ug/L
RT: 8.386 min Scan# 2207
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

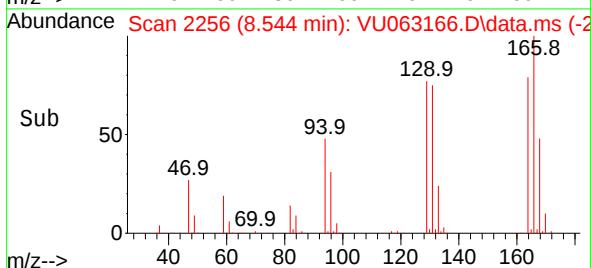
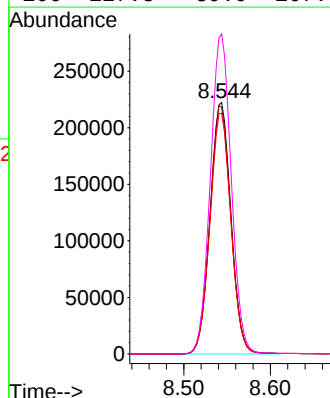
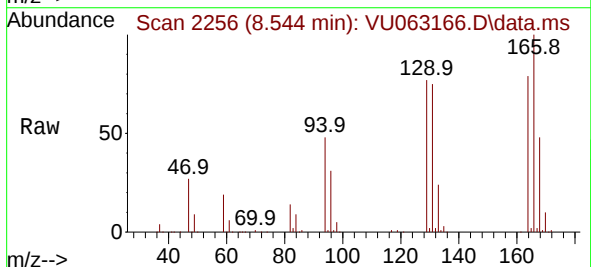
Instrument :
MSVOA_U
ClientSampleId :

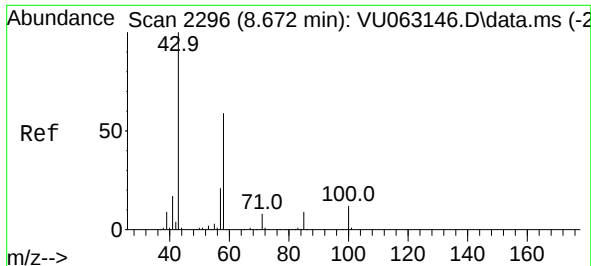
Tgt Ion:	97	Resp:	27108
Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.2	78.4
83	90.2	62.9	116.9
85	56.6	40.4	75.0



#47
Tetrachloroethene
Concen: 76.866 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Tgt Ion:	164	Resp:	372488
Ion	Ratio	Lower	Upper
164	100		
129	98.2	68.6	127.4
131	95.8	66.5	123.5
166	127.3	89.9	167.0





#48

2-Hexanone

Concen: 55.226 ug/L

RT: 8.669 min Scan# 2296

Delta R.T. -0.003 min

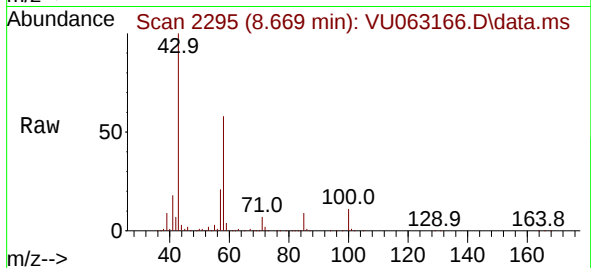
Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 166631

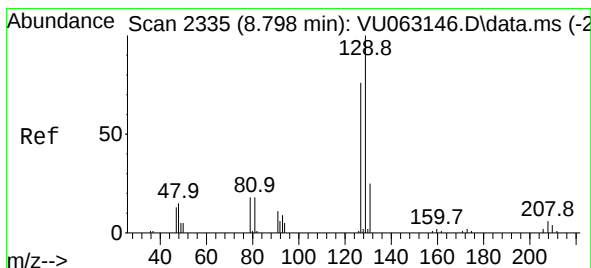
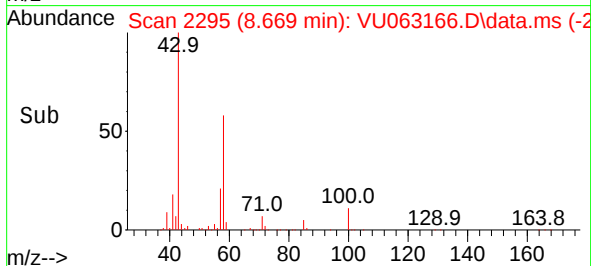
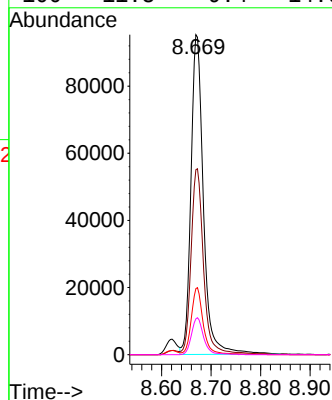
Ion Ratio Lower Upper

43 100

58 57.5 45.8 68.8

57 19.4 15.7 23.5

100 11.3 9.4 14.0



#49

Dibromochloromethane

Concen: 5.210 ug/L

RT: 8.798 min Scan# 2335

Delta R.T. 0.000 min

Lab File: VU063166.D

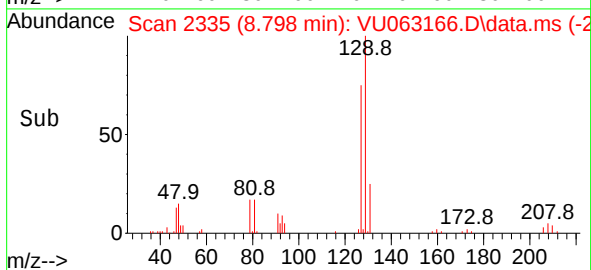
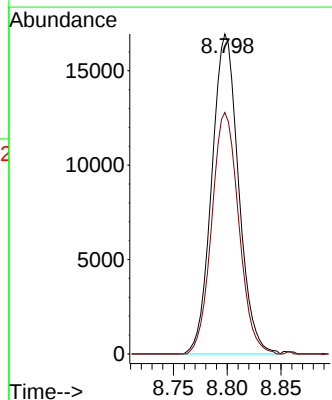
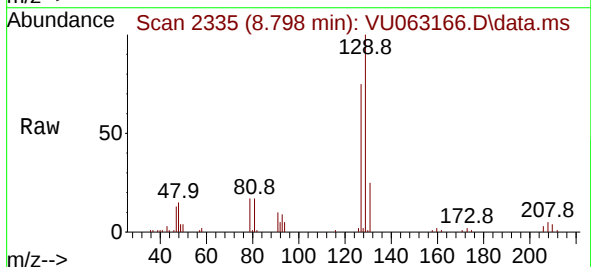
Acq: 05 Feb 2025 17:55

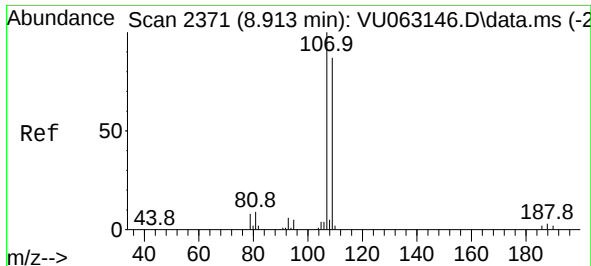
Tgt Ion:129 Resp: 29346

Ion Ratio Lower Upper

129 100

127 75.5 53.8 99.8





#50

1,2-Dibromoethane

Concen: 5.318 ug/L

RT: 8.913 min Scan# 2371

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

ClientSampleId :

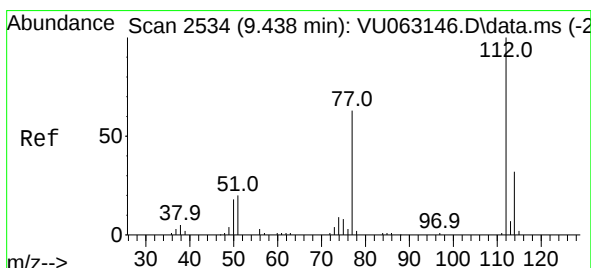
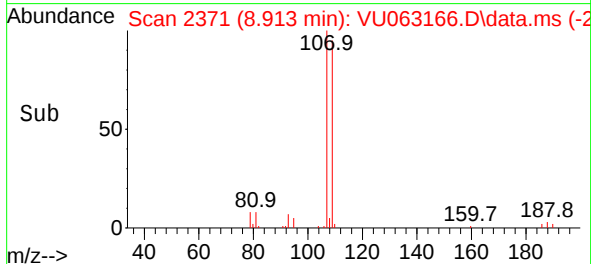
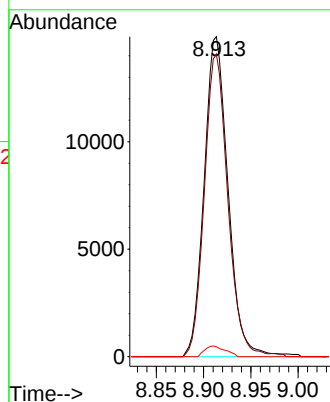
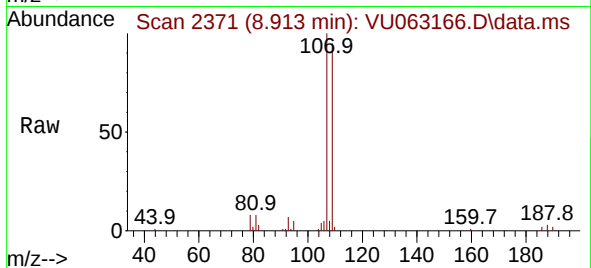
Tgt Ion:107 Resp: 26100

Ion Ratio Lower Upper

107 100

109 94.6 67.6 125.6

188 3.1 2.6 3.8



#51

Chlorobenzene

Concen: 5.534 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

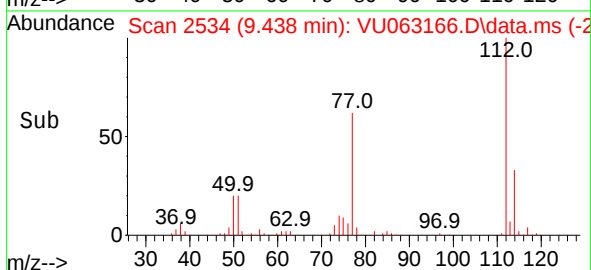
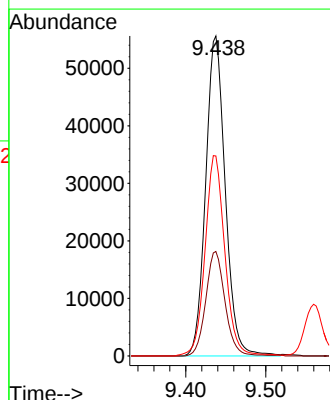
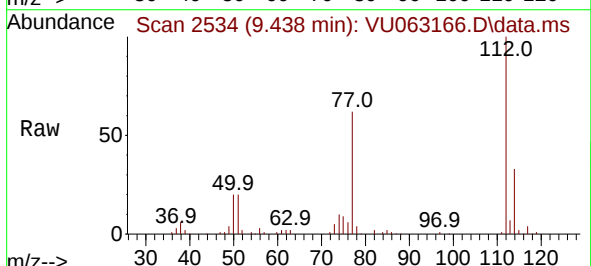
Tgt Ion:112 Resp: 94861

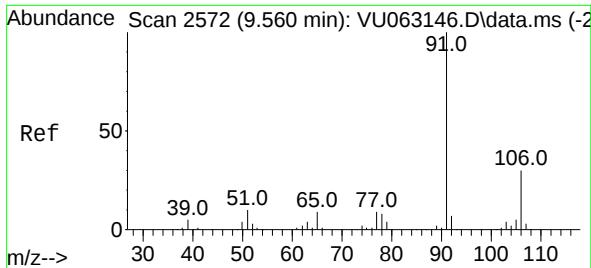
Ion Ratio Lower Upper

112 100

114 32.7 22.6 42.0

77 62.5 50.8 76.2

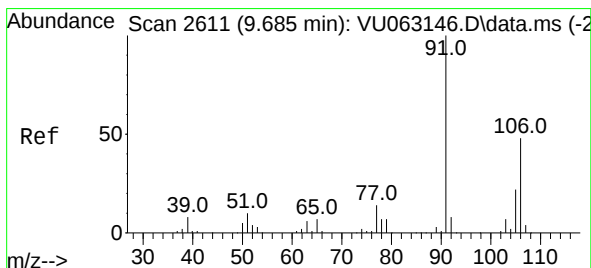
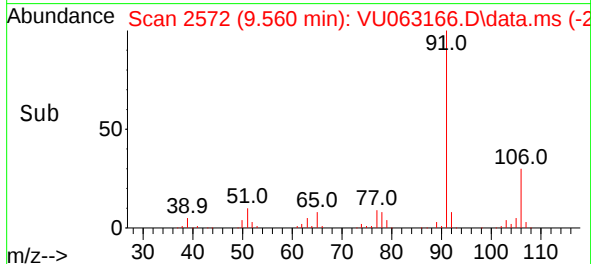
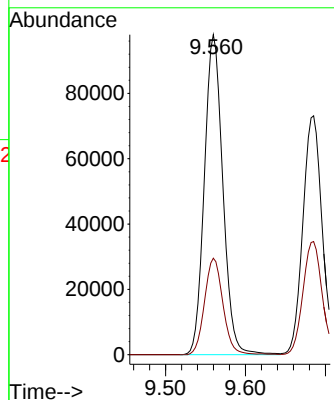
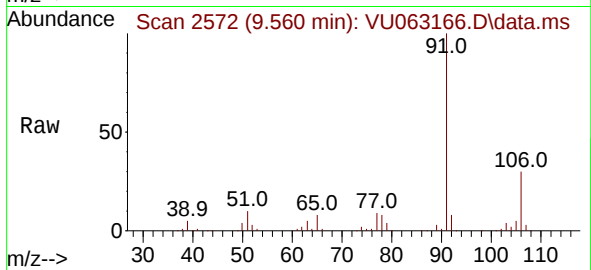




#52
Ethylbenzene
Concen: 5.308 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

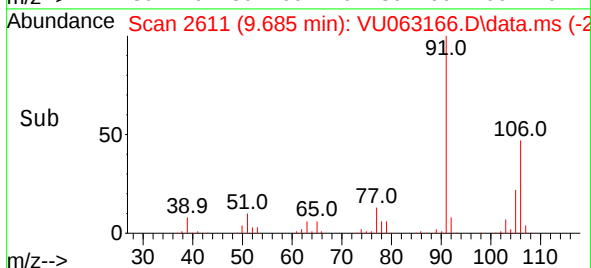
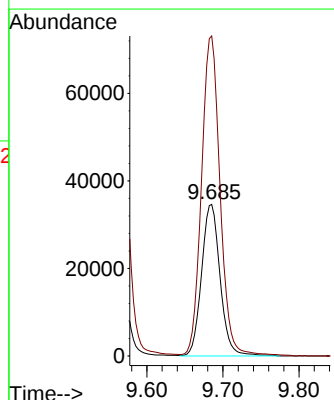
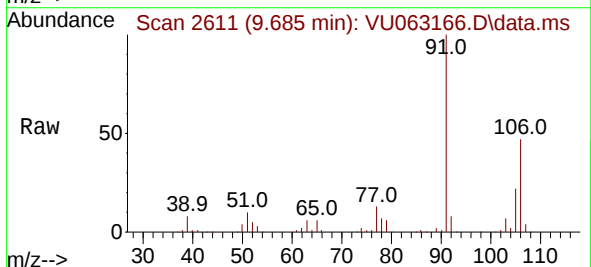
Instrument :
MSVOA_U
ClientSampleId :

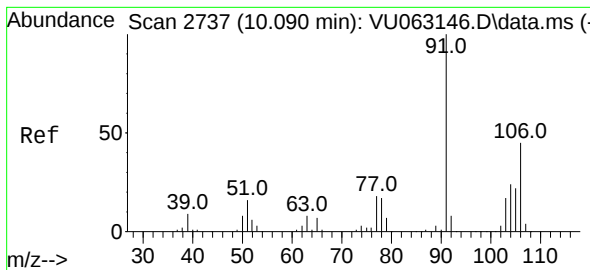
Tgt Ion: 91 Resp: 157666
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.6



#53
m,p-Xylene
Concen: 5.483 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Tgt Ion:106 Resp: 58742
Ion Ratio Lower Upper
106 100
91 211.1 147.3 273.6





#54

o-Xylene

Concen: 5.883 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

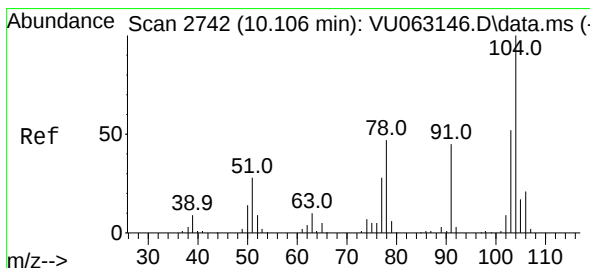
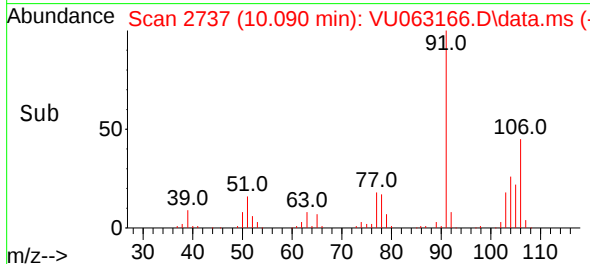
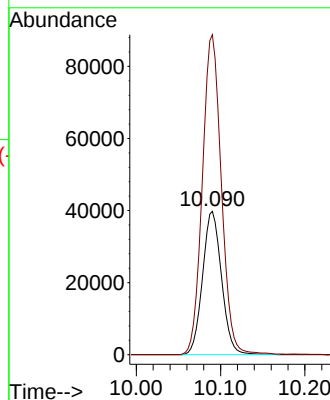
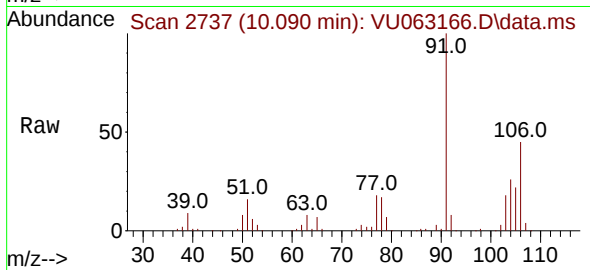
ClientSampleId :

Tgt Ion:106 Resp: 62494

Ion Ratio Lower Upper

106 100

91 223.2 155.4 288.6



#55

Styrene

Concen: 5.392 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. -0.003 min

Lab File: VU063166.D

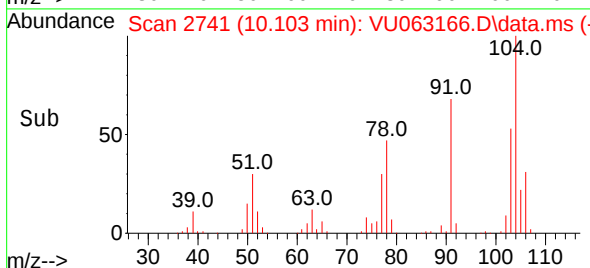
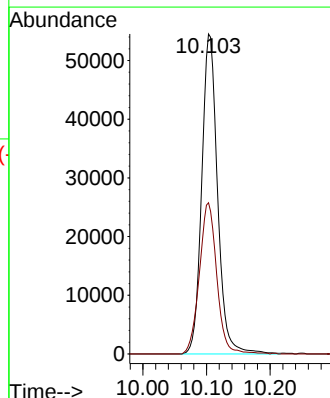
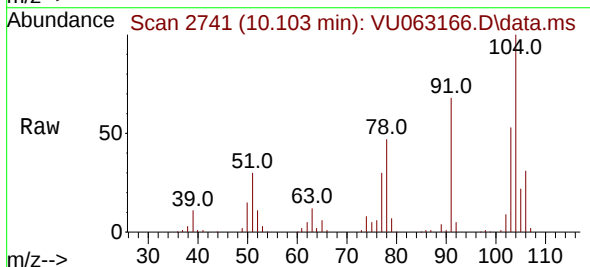
Acq: 05 Feb 2025 17:55

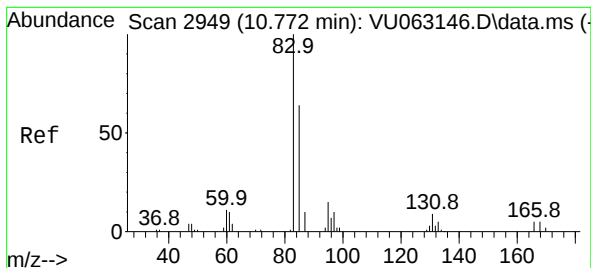
Tgt Ion:104 Resp: 94293

Ion Ratio Lower Upper

104 100

78 47.2 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.254 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

ClientSampleId :

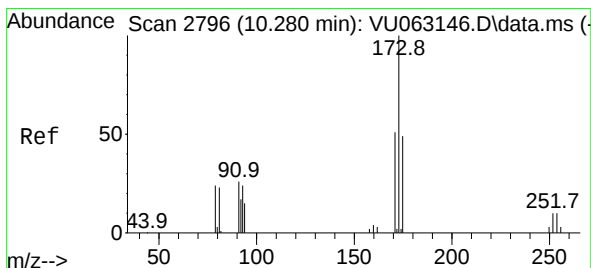
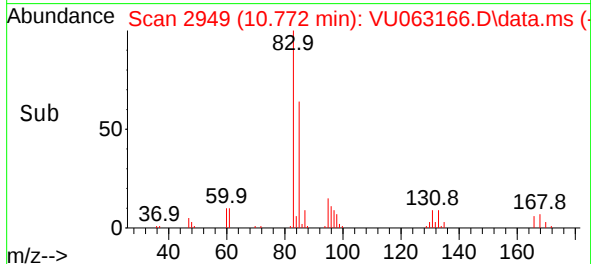
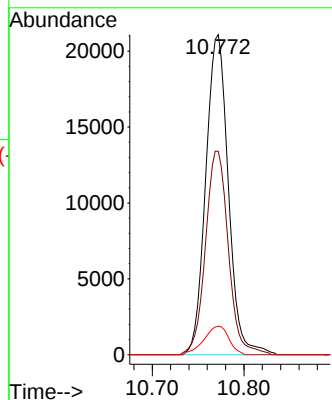
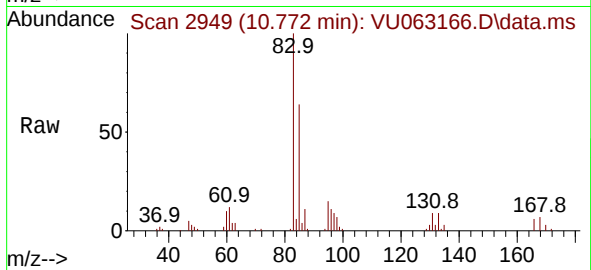
Tgt Ion: 83 Resp: 36088

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.8

131 8.9 7.4 11.0



#59

Bromoform

Concen: 5.128 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

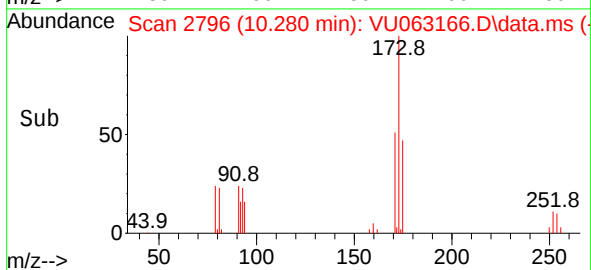
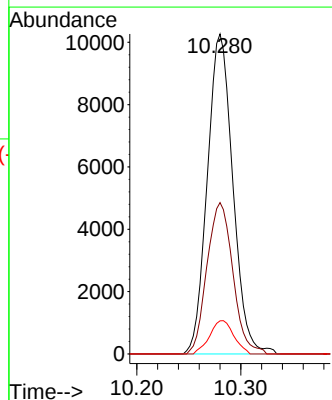
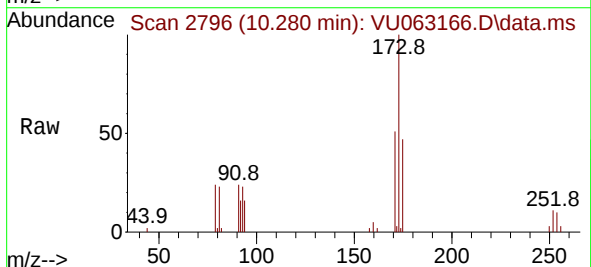
Tgt Ion:173 Resp: 17501

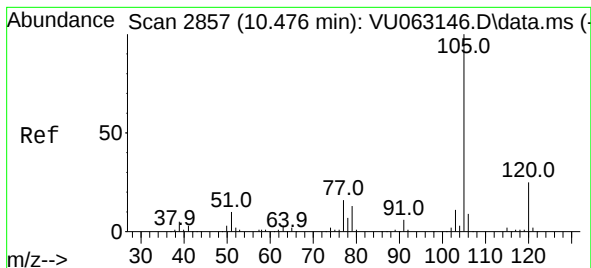
Ion Ratio Lower Upper

173 100

175 47.9 37.7 56.5

254 9.9 7.9 11.9





#60

Isopropylbenzene

Concen: 5.847 ug/L

RT: 10.473 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

ClientSampleId :

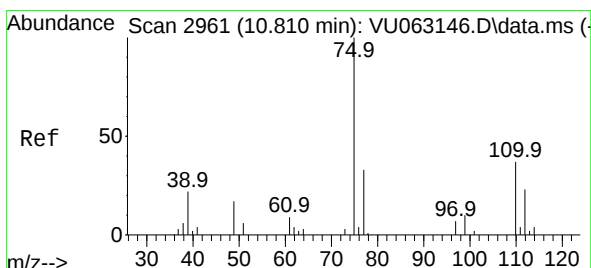
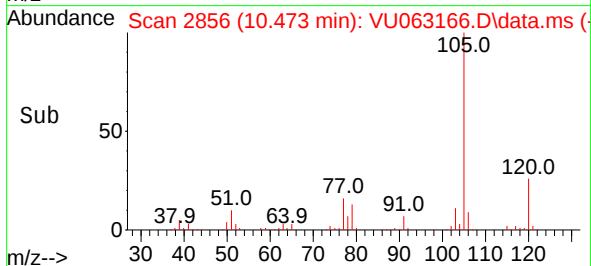
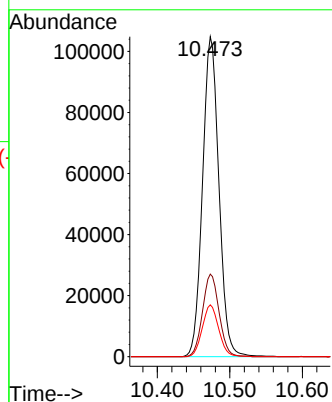
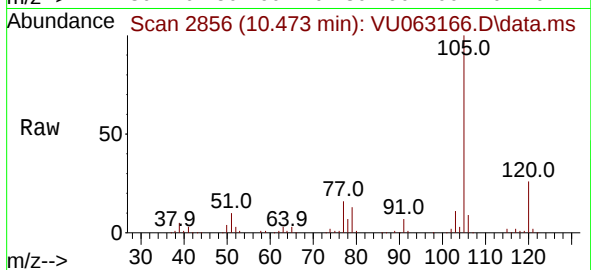
Tgt Ion:105 Resp: 164367

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

77 16.2 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.083 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

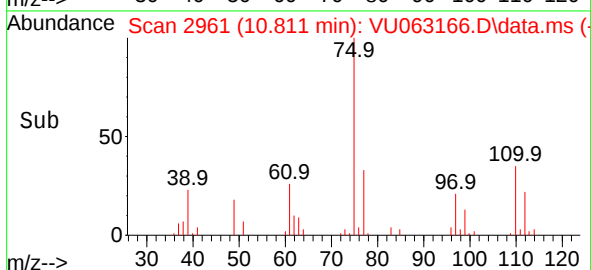
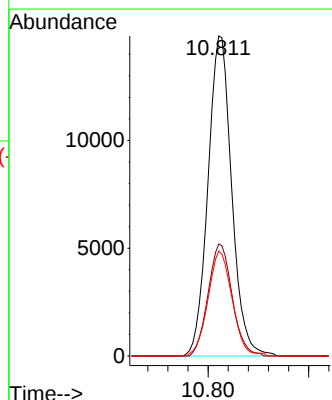
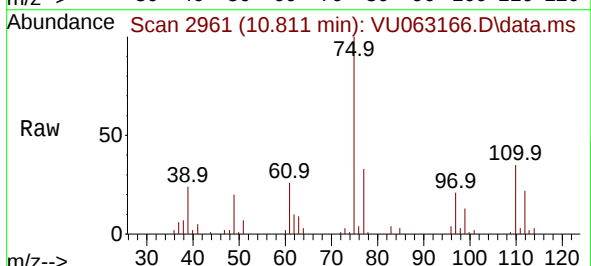
Tgt Ion: 75 Resp: 24280

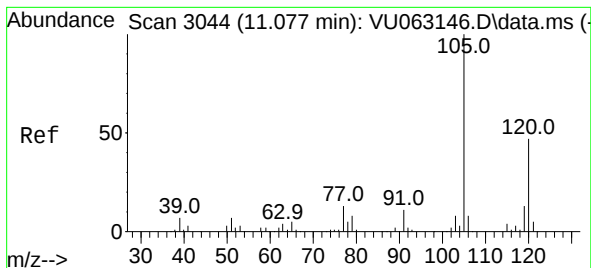
Ion Ratio Lower Upper

75 100

110 35.6 27.4 41.0

77 33.3 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.466 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

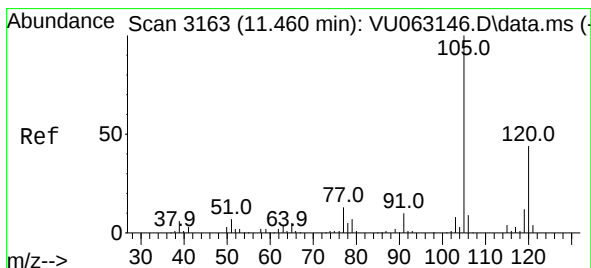
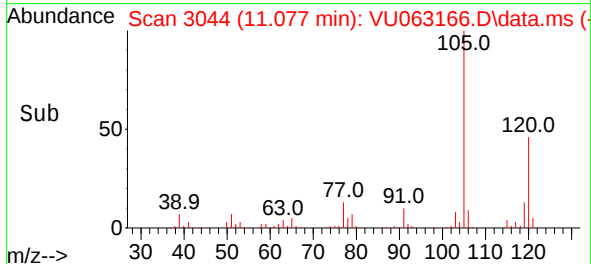
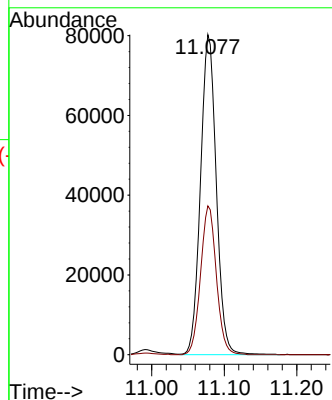
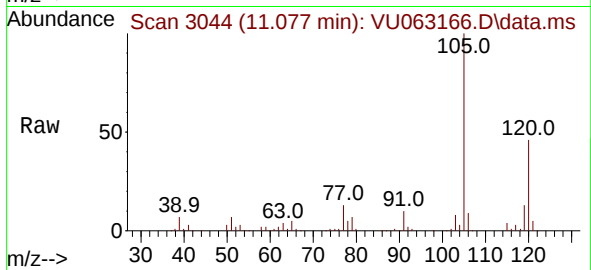
ClientSampleId :

Tgt Ion:105 Resp: 121202

Ion Ratio Lower Upper

105 100

120 46.5 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 6.816 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VU063166.D

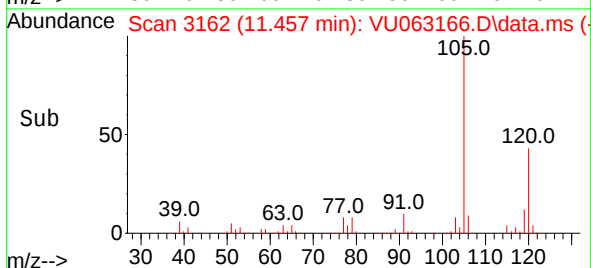
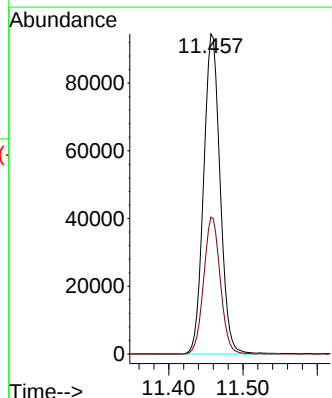
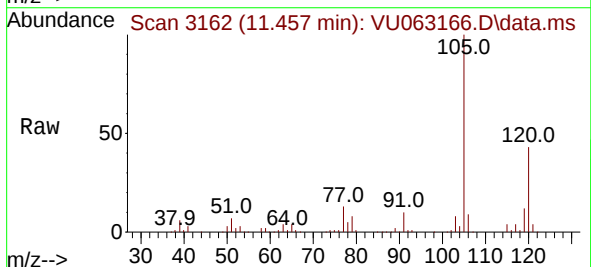
Acq: 05 Feb 2025 17:55

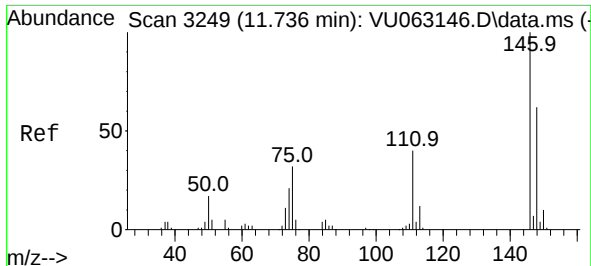
Tgt Ion:105 Resp: 145340

Ion Ratio Lower Upper

105 100

120 43.0 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 5.329 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

ClientSampleId :

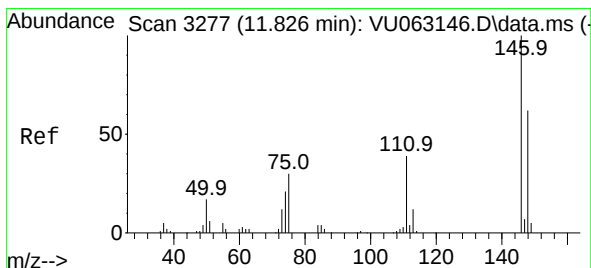
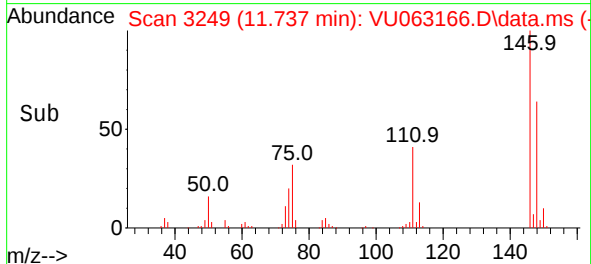
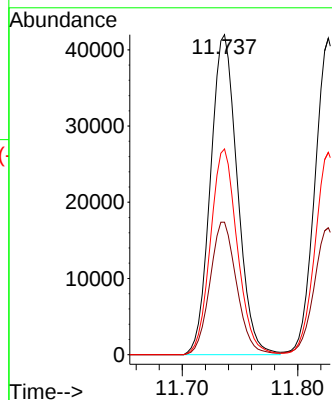
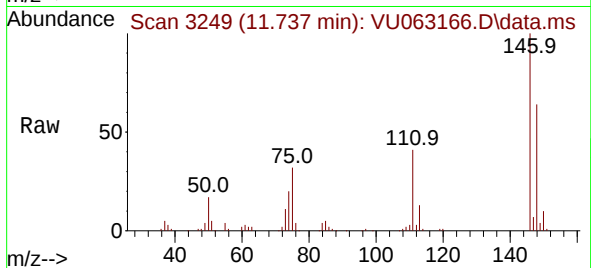
Tgt Ion:146 Resp: 67872

Ion Ratio Lower Upper

146 100

111 41.4 27.9 51.7

148 64.3 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 5.311 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

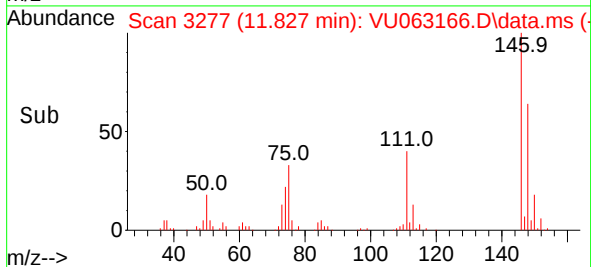
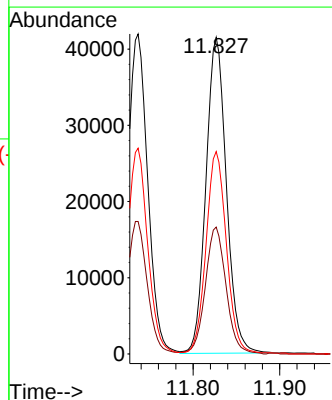
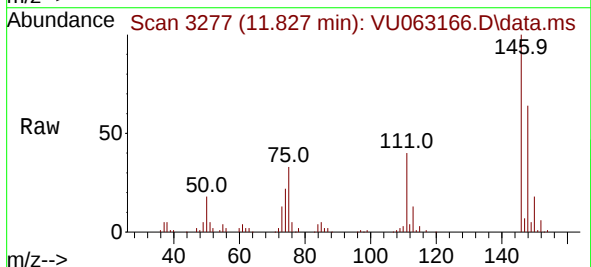
Tgt Ion:146 Resp: 68012

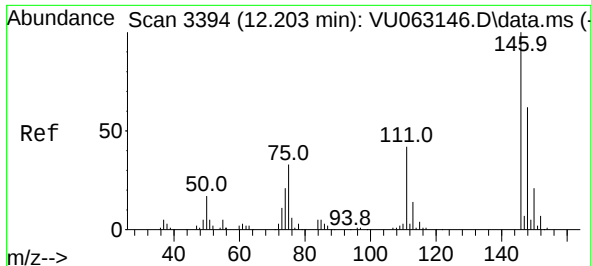
Ion Ratio Lower Upper

146 100

111 40.1 28.5 52.9

148 64.0 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 5.918 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

Instrument :

MSVOA_U

ClientSampleId :

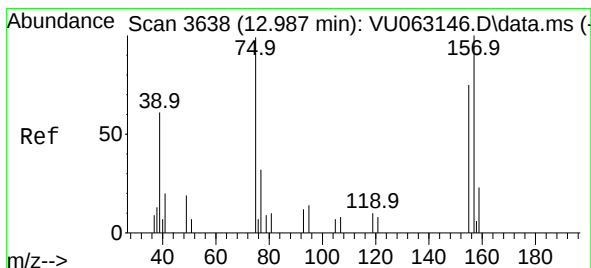
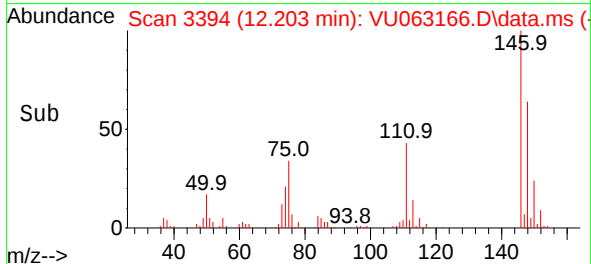
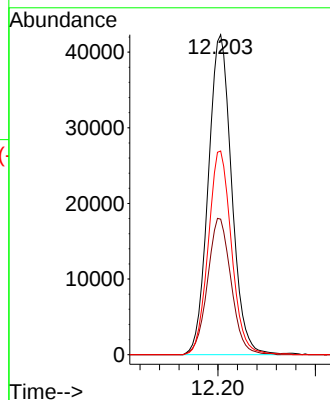
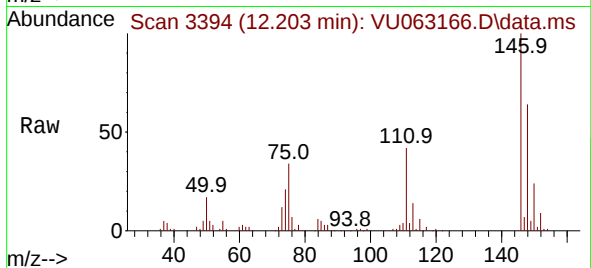
Tgt Ion:146 Resp: 70432

Ion Ratio Lower Upper

146 100

111 42.4 34.1 51.1

148 63.7 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.465 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063166.D

Acq: 05 Feb 2025 17:55

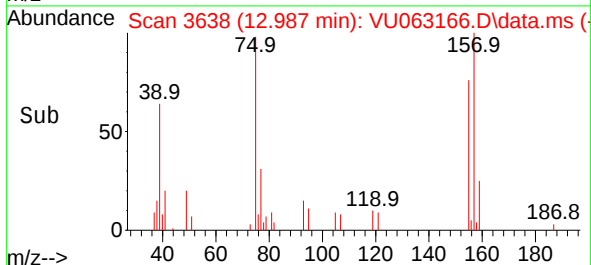
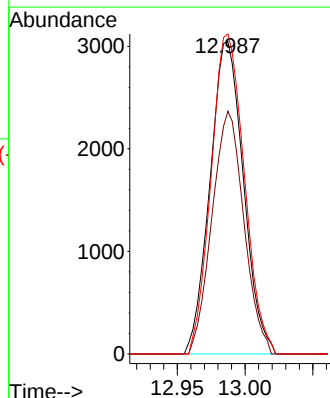
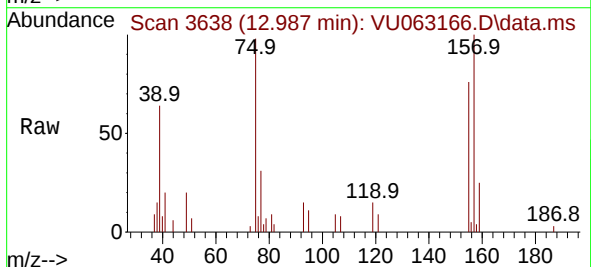
Tgt Ion: 75 Resp: 5223

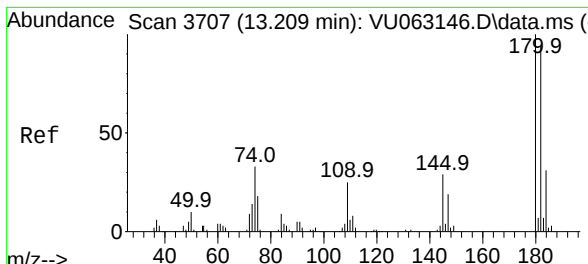
Ion Ratio Lower Upper

75 100

155 77.7 61.6 92.4

157 102.4 77.4 116.0

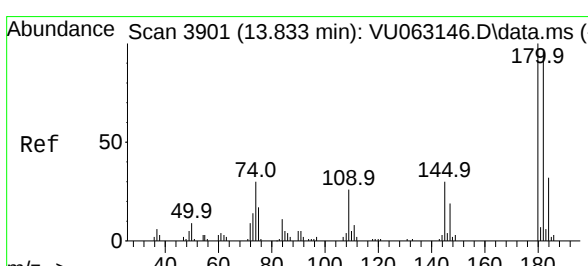
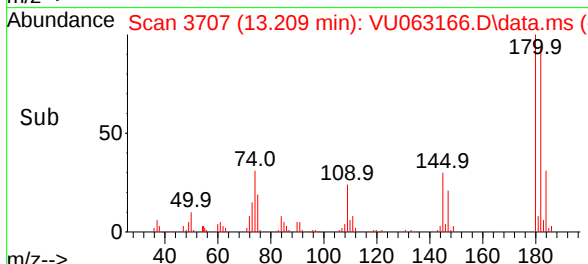
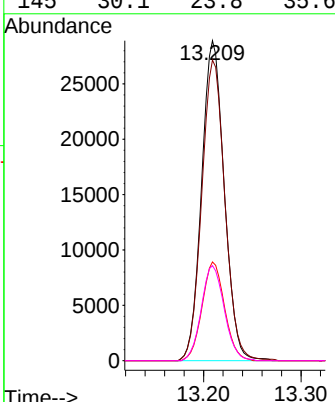
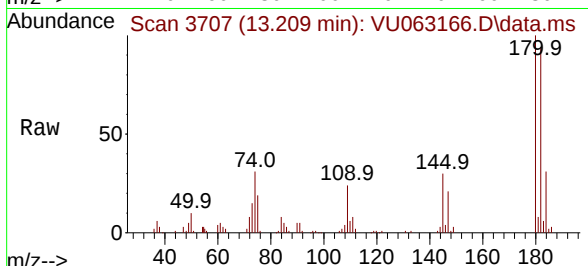




#69
 1,3,5-Trichlorobenzene
 Concen: 5.356 ug/L
 RT: 13.209 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063166.D
 Acq: 05 Feb 2025 17:55

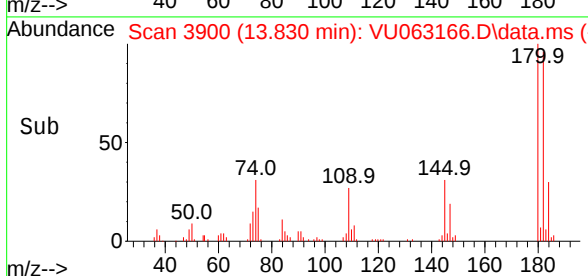
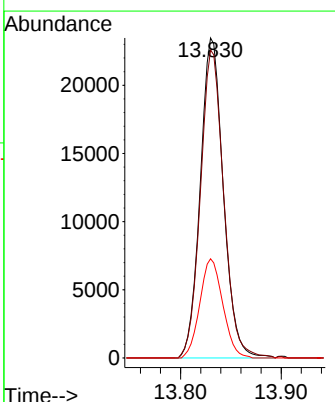
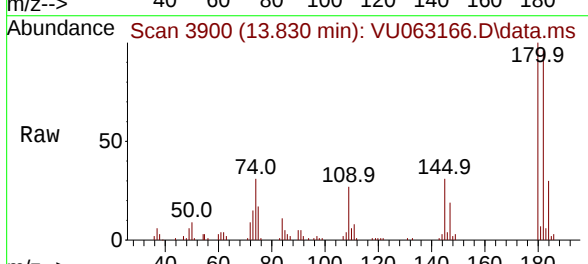
Instrument :
 MSVOA_U
 ClientSampleId :

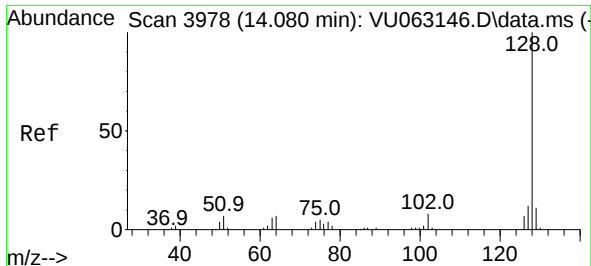
Tgt Ion:180	Resp:	46609
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.7 115.1
184	30.7	23.8 35.8
145	30.1	23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.450 ug/L
 RT: 13.830 min Scan# 3900
 Delta R.T. -0.003 min
 Lab File: VU063166.D
 Acq: 05 Feb 2025 17:55

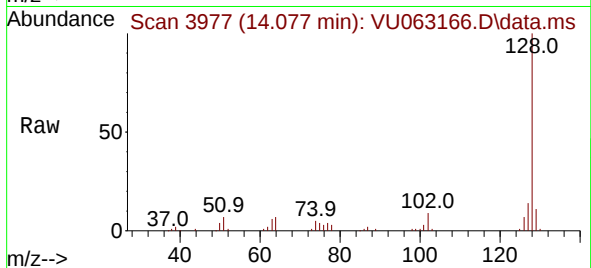
Tgt Ion:180	Resp:	37315
Ion Ratio	Lower	Upper
180	100	
182	97.2	76.1 114.1
145	30.8	24.3 36.5



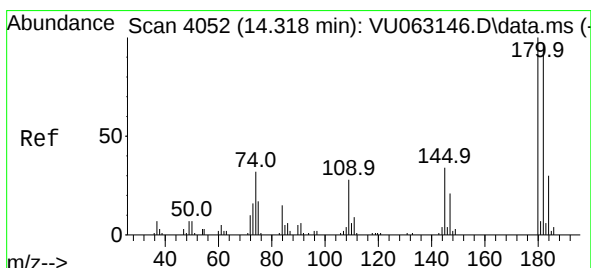
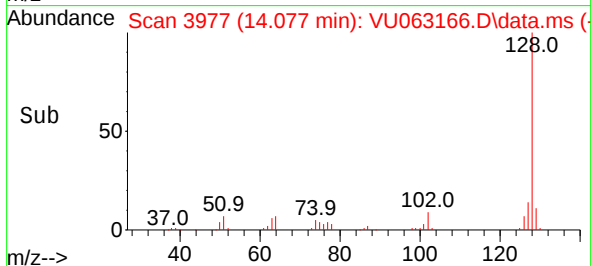
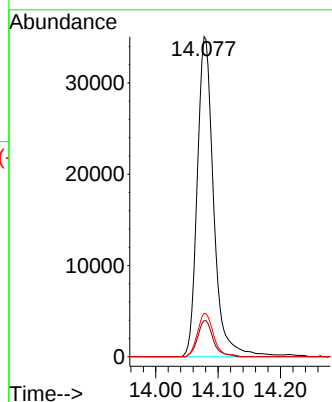


#71
Naphthalene
Concen: 5.701 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.003 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 64058
Ion Ratio Lower Upper
128 100
129 10.6 8.0 12.0
127 13.2 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.649 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. 0.000 min
Lab File: VU063166.D
Acq: 05 Feb 2025 17:55

Tgt Ion:180 Resp: 34556
Ion Ratio Lower Upper
180 100
182 96.9 78.5 117.7
145 33.0 26.1 39.1

