

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102324\
 Data File : VU061188.D
 Acq On : 23 Oct 2024 09:34
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 24 01:13:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 24 01:12:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	198718	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	170692	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	76875	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	6722	0.498	ug/L	0.00
7) Chloroethane-d5	1.908	69	5981	0.483	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	2691	0.466	ug/L	0.00
20) 2-Butanone-d5	4.650	46	12561	4.639	ug/L	0.03
24) Chloroform-d	5.059	84	12858	0.502	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	6390	0.500	ug/L	0.00
32) Benzene-d6	5.721	84	24913	0.518	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	7404	0.512	ug/L	0.00
41) Toluene-d8	7.898	98	22396	0.498	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	2690	0.456	ug/L	0.00
46) 2-Hexanone-d5	8.637	63	11181	4.625	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.750	84	5207	0.476	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	6785	0.498	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	5894	0.445	ug/L	91
3) Chloromethane	1.515	50	6438	0.461	ug/L	91
5) Vinyl chloride	1.599	62	6870	0.447	ug/L	97
6) Bromomethane	1.853	94	4362	0.429	ug/L	92
8) Chloroethane	1.930	64	4909	0.434	ug/L	92
9) Trichlorofluoromethane	2.133	101	9105	0.436	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	5642	0.455	ug/L	99
12) 1,1-Dichloroethene	2.576	96	5102	0.434	ug/L	96
13) Acetone	2.644	43	8185	4.715	ug/L	95
14) Carbon disulfide	2.789	76	18085	0.461	ug/L	96
15) Methyl Acetate	2.965	43	2041	0.475	ug/L #	85
16) Methylene chloride	3.043	84	6809	0.492	ug/L	92
17) Methyl tert-butyl Ether	3.358	73	13953	0.438	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	5952	0.458	ug/L	95
19) 1,1-Dichloroethane	3.862	63	11499	0.469	ug/L	98
21) 2-Butanone	4.731	43	10885	4.041	ug/L	83
22) cis-1,2-Dichloroethene	4.666	96	6596	0.444	ug/L	99
23) Bromochloromethane	4.972	128	2649	0.424	ug/L #	80
25) Chloroform	5.081	83	11879	0.461	ug/L	96
27) 1,2-Dichloroethane	5.792	62	7443	0.457	ug/L	95
29) 1,1,1-Trichloroethane	5.309	97	9912	0.474	ug/L	98
30) Cyclohexane	5.377	56	10275	0.490	ug/L	99
31) Carbon tetrachloride	5.515	117	8667	0.485	ug/L	99
33) Benzene	5.769	78	25054	0.475	ug/L	100
34) Trichloroethene	6.541	95	6898	0.480	ug/L	95
35) Methylcyclohexane	6.756	83	11015	0.482	ug/L	99
37) 1,2-Dichloropropane	6.785	63	6097	0.456	ug/L	98
38) Bromodichloromethane	7.100	83	7901	0.467	ug/L #	93
39) cis-1,3-Dichloropropene	7.605	75	9393	0.454	ug/L	95
40) 4-Methyl-2-pentanone	7.792	43	28399	4.264	ug/L	98
42) Toluene	7.965	91	26646	0.465	ug/L	95
44) trans-1,3-Dichloropropene	8.213	75	7580	0.450	ug/L	98

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

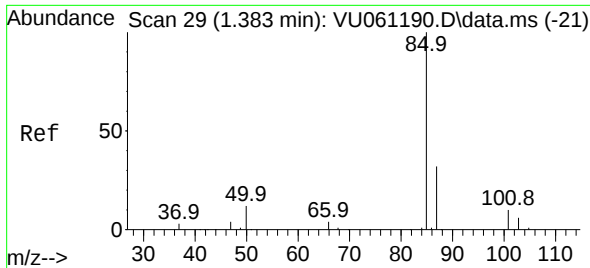
45) 1,1,2-Trichloroethane	8.396	97	4178	0.434	ug/L	99
47) Tetrachloroethene	8.547	164	4454	0.444	ug/L	97
48) 2-Hexanone	8.685	43	19638	4.170	ug/L	98
49) Dibromochloromethane	8.804	129	4828	0.442	ug/L	100
50) 1,2-Dibromoethane	8.920	107	4156	0.444	ug/L #	98
51) Chlorobenzene	9.444	112	16074	0.444	ug/L	98
52) Ethylbenzene	9.566	91	28356	0.450	ug/L	96
53) m,p-Xylene	9.692	106	10357	0.431	ug/L	99
54) o-Xylene	10.097	106	10433	0.440	ug/L	93
55) Styrene	10.116	104	16093	0.423	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	5300	0.457	ug/L #	98
59) Bromoform	10.287	173	2352	0.413	ug/L #	95
60) Isopropylbenzene	10.480	105	27336	0.465	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	3598	0.470	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	21123	0.442	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	20777	0.440	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	10847	0.439	ug/L	92
65) 1,4-Dichlorobenzene	11.830	146	11897	0.472	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	10641	0.457	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.997	75	691	0.430	ug/L #	62
69) 1,3,5-Trichlorobenzene	13.219	180	7234	0.427	ug/L	98
70) 1,2,4-trichlorobenzene	13.843	180	5376	0.393	ug/L	98
71) Naphthalene	14.100	128	6912	0.325	ug/L #	95
72) 1,2,3-Trichlorobenzene	14.331	180	4204	0.368	ug/L	97

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

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MSVOA_U
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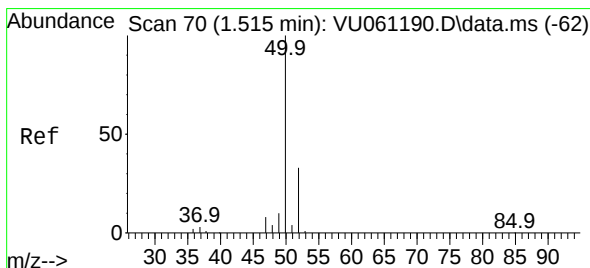
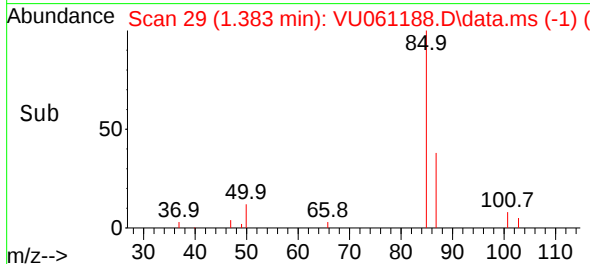
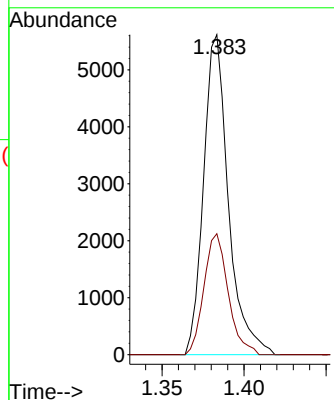
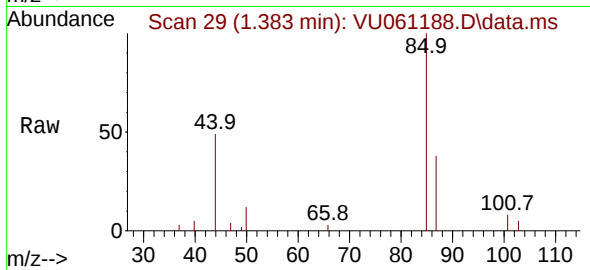




#2
Dichlorodifluoromethane
Concen: 0.445 ug/L
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU061188.D
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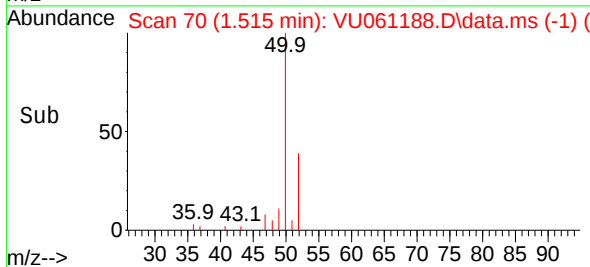
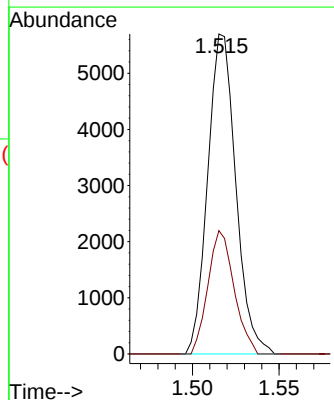
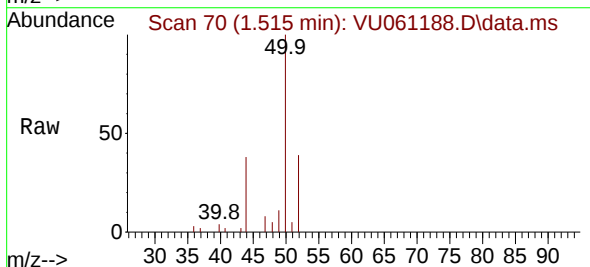
Instrument :
MSVOA_U
ClientSampleId :

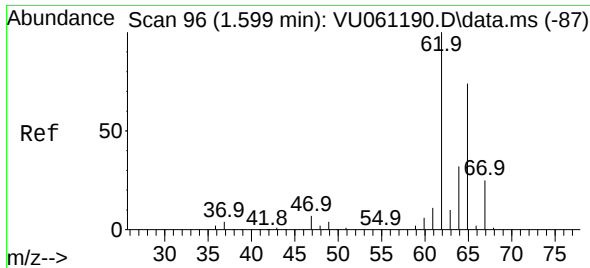
Tgt Ion: 85 Resp: 5894
Ion Ratio Lower Upper
85 100
87 37.0 25.7 38.5



#3
Chloromethane
Concen: 0.461 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

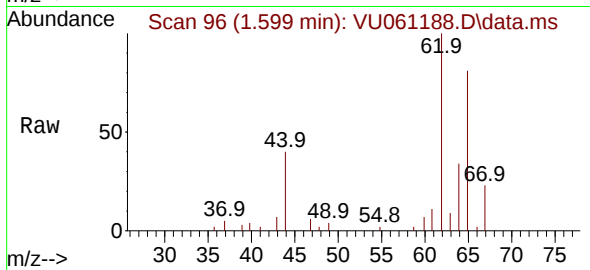
Tgt Ion: 50 Resp: 6438
Ion Ratio Lower Upper
50 100
52 38.6 23.4 43.4



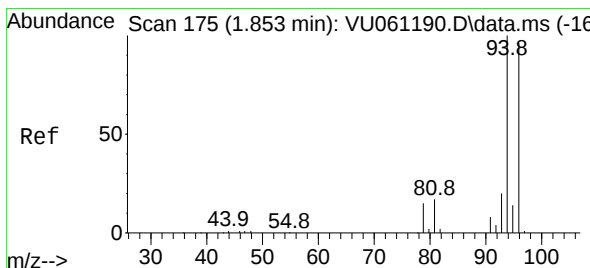
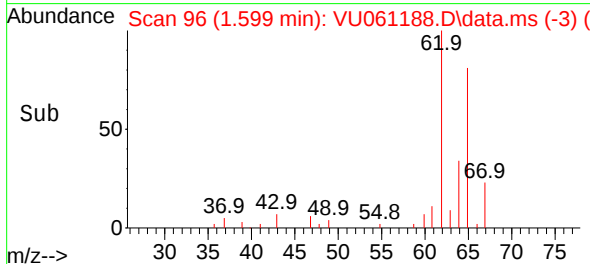
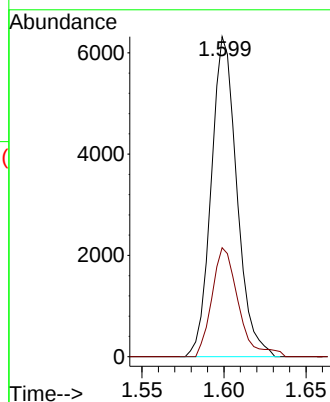


#5
 Vinyl chloride
 Concen: 0.447 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU061188.D
 Acq: 23 Oct 2024 09:34

Instrument :
 MSVOA_U
 ClientSampleId :

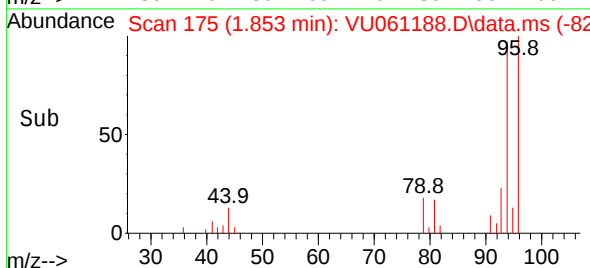
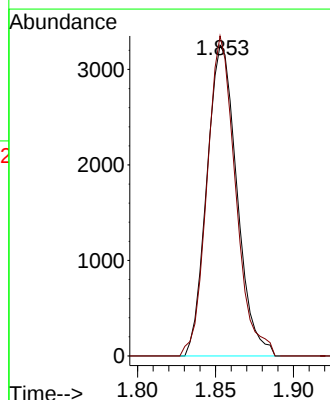
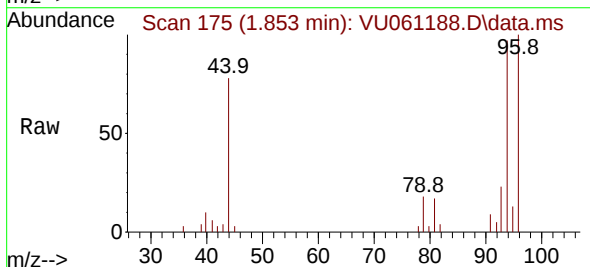


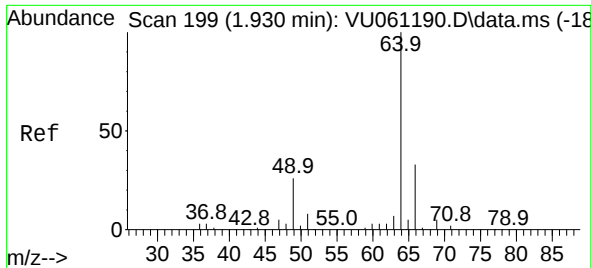
Tgt Ion: 62 Resp: 6870
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.6 42.0



#6
 Bromomethane
 Concen: 0.429 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU061188.D
 Acq: 23 Oct 2024 09:34

Tgt Ion: 94 Resp: 4362
 Ion Ratio Lower Upper
 94 100
 96 103.0 66.9 124.3

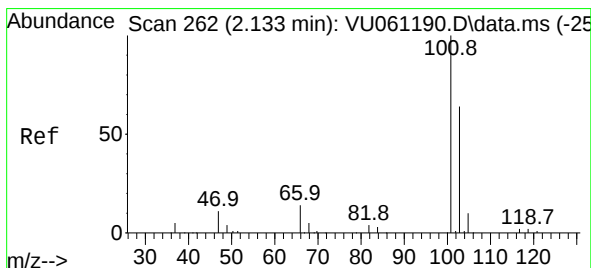
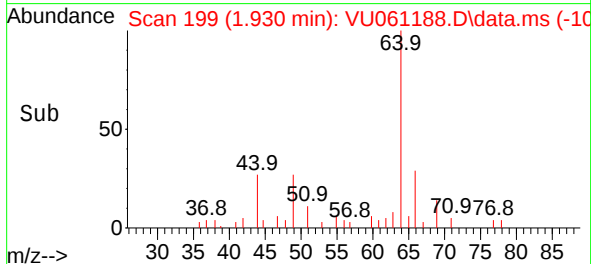
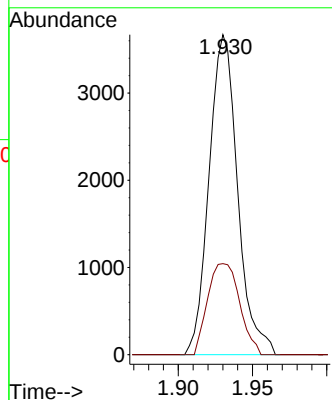
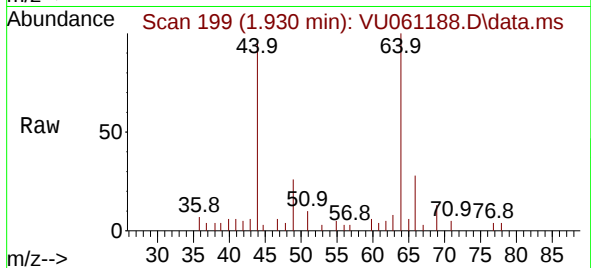




#8
Chloroethane
Concen: 0.434 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

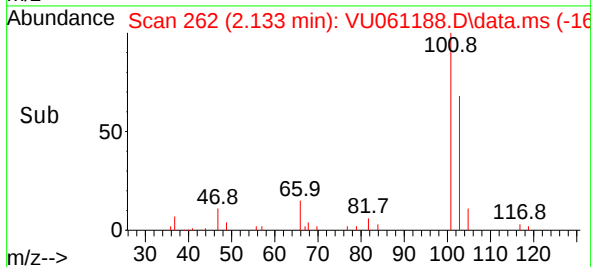
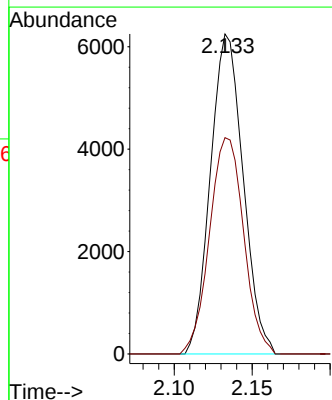
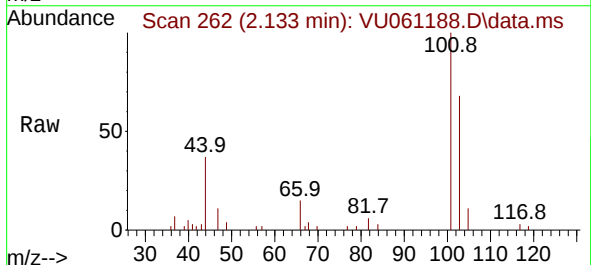
Instrument :
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ClientSampleId :

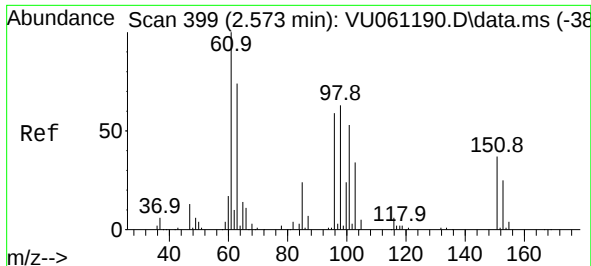
Tgt Ion: 64 Resp: 4909
Ion Ratio Lower Upper
64 100
66 28.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 0.436 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion:101 Resp: 9105
Ion Ratio Lower Upper
101 100
103 70.5 50.6 75.8

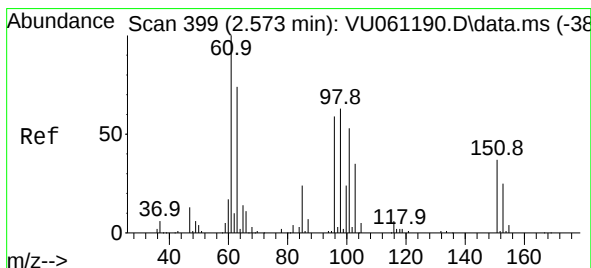
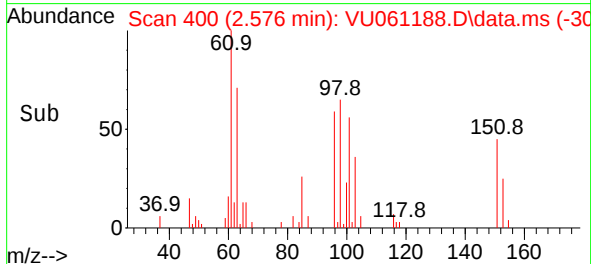
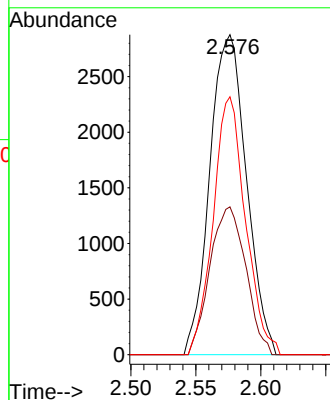
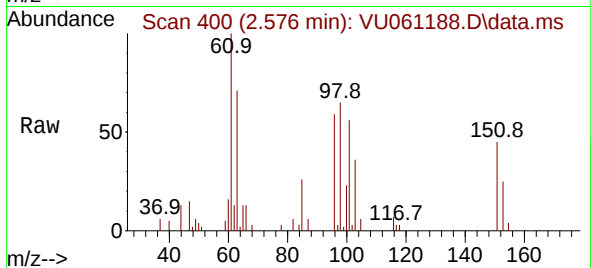




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.455 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU061188.D
 Acq: 23 Oct 2024 09:34

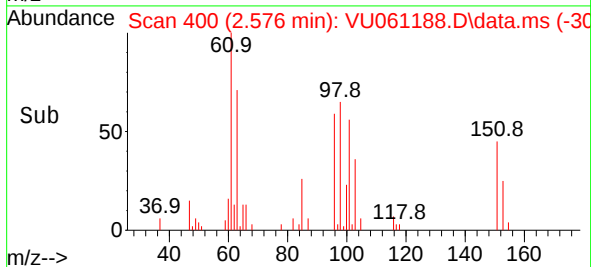
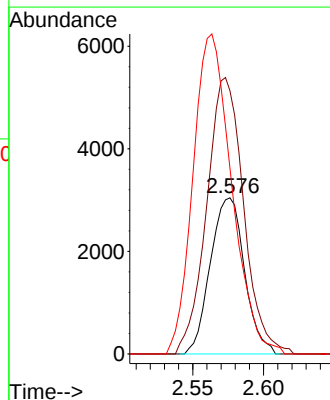
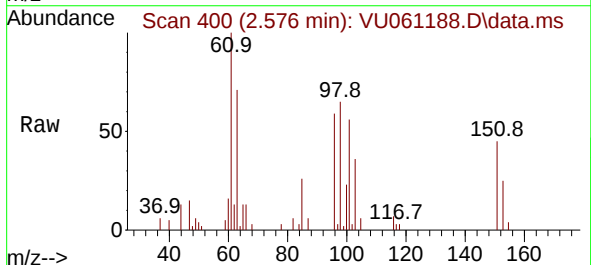
Instrument :
 MSVOA_U
 ClientSampleId :

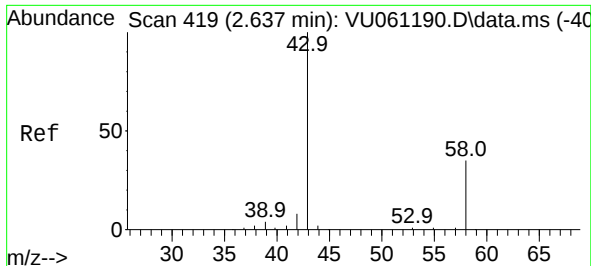
Tgt Ion:101 Resp: 5642
 Ion Ratio Lower Upper
 101 100
 85 45.3 35.6 53.4
 151 71.3 55.9 83.9



#12
 1,1-Dichloroethene
 Concen: 0.434 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU061188.D
 Acq: 23 Oct 2024 09:34

Tgt Ion: 96 Resp: 5102
 Ion Ratio Lower Upper
 96 100
 61 168.6 119.1 221.1
 63 119.0 89.4 166.0





#13

Acetone

Concen: 4.715 ug/L

RT: 2.644 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

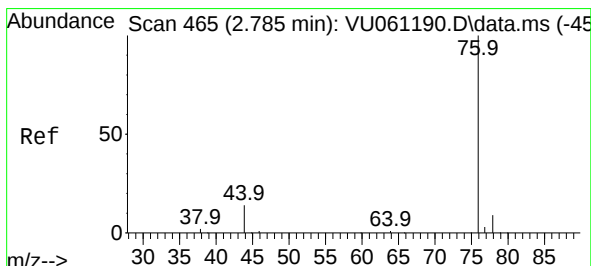
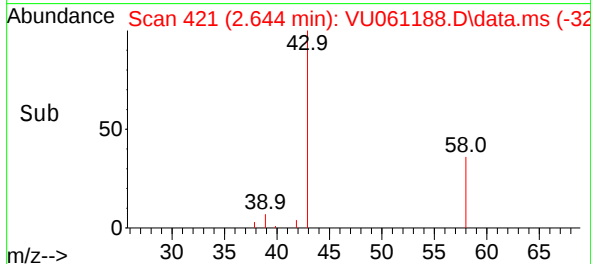
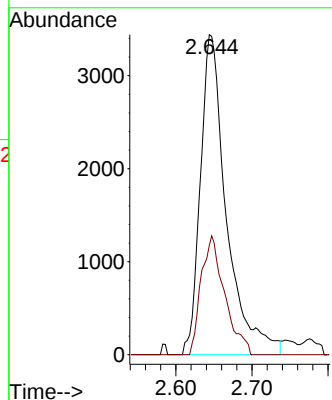
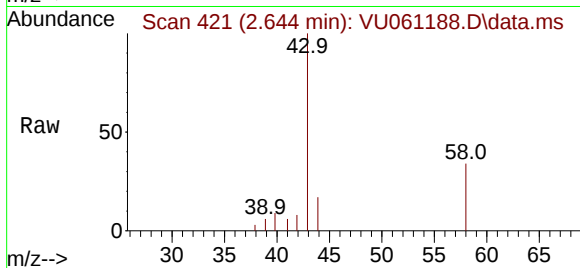
ClientSampleId :

Tgt Ion: 43 Resp: 8185

Ion Ratio Lower Upper

43 100

58 33.5 0.0 73.2



#14

Carbon disulfide

Concen: 0.461 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU061188.D

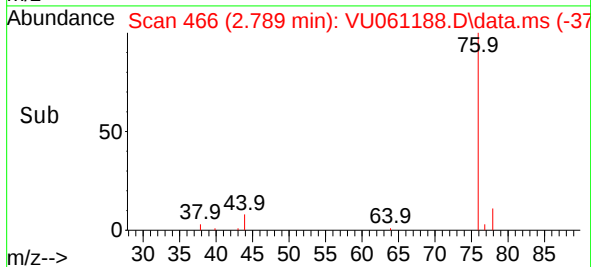
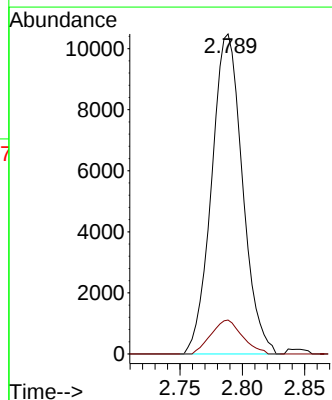
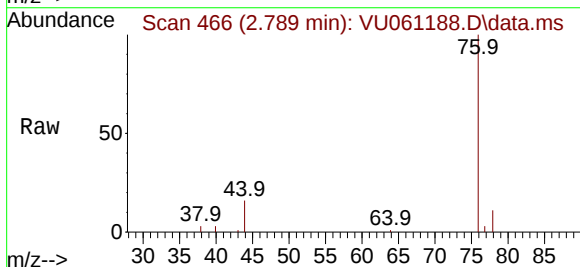
Acq: 23 Oct 2024 09:34

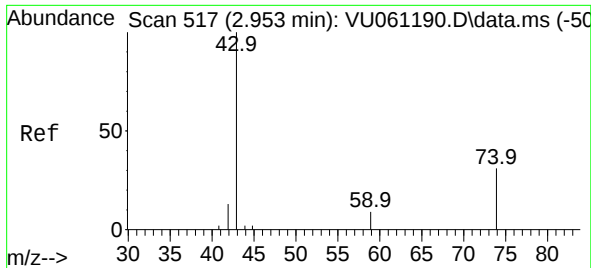
Tgt Ion: 76 Resp: 18085

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.2





#15

Methyl Acetate

Concen: 0.475 ug/L

RT: 2.965 min Scan# 51

Delta R.T. 0.013 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

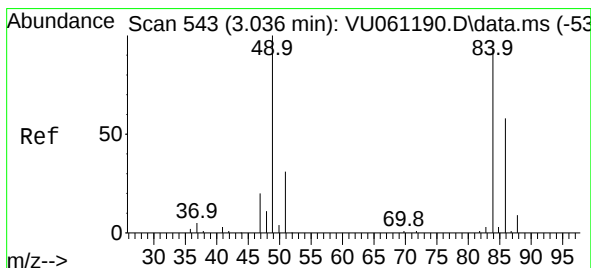
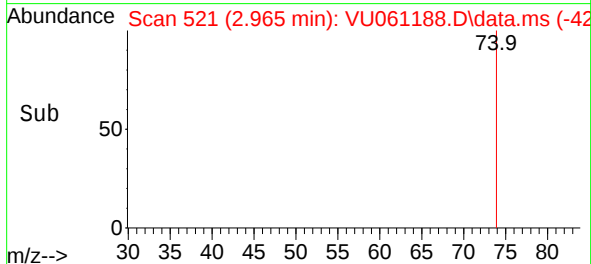
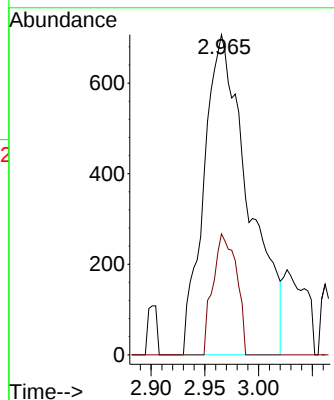
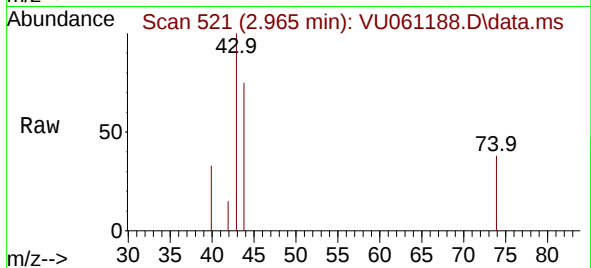
ClientSampleId :

Tgt Ion: 43 Resp: 2041

Ion Ratio Lower Upper

43 100

74 19.9 22.2 33.4#



#16

Methylene chloride

Concen: 0.492 ug/L

RT: 3.043 min Scan# 545

Delta R.T. 0.006 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

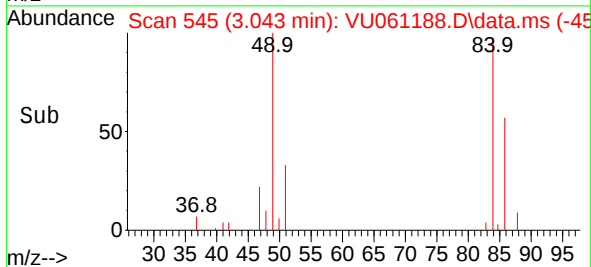
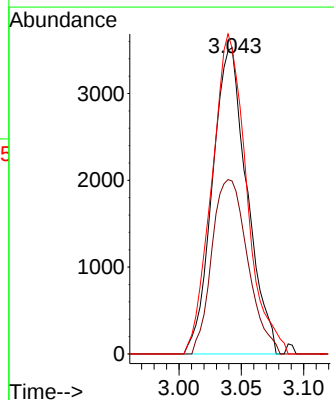
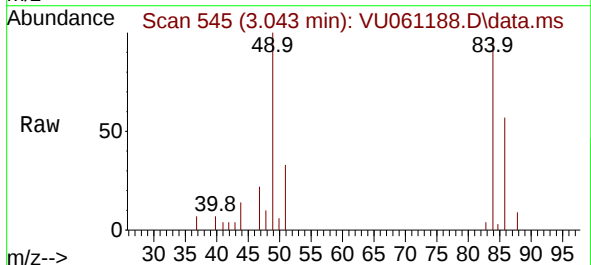
Tgt Ion: 84 Resp: 6809

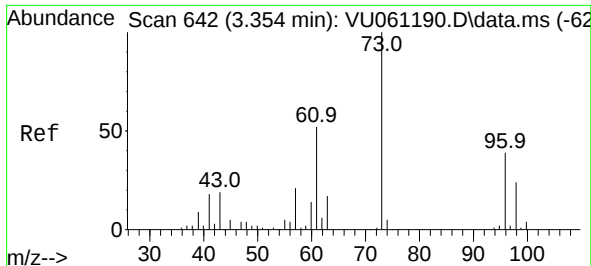
Ion Ratio Lower Upper

84 100

86 56.5 43.5 80.7

49 99.9 75.7 140.7

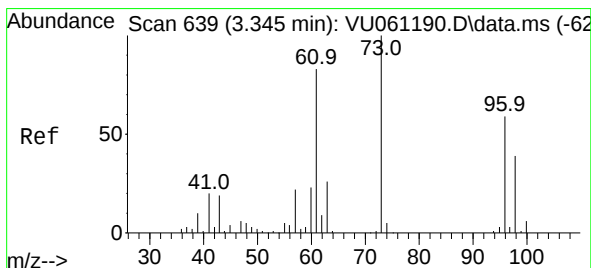
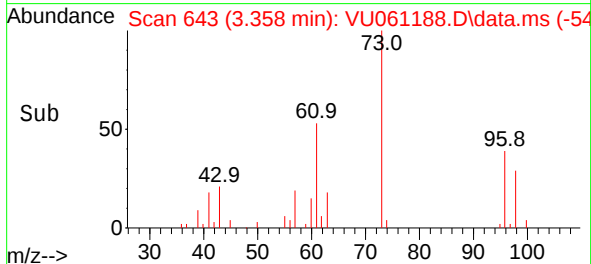
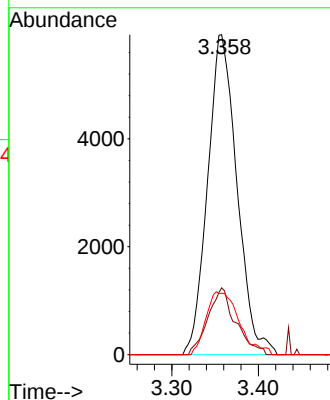
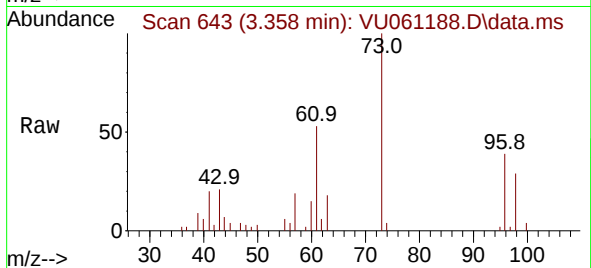




#17
Methyl tert-butyl Ether
Concen: 0.438 ug/L
RT: 3.358 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

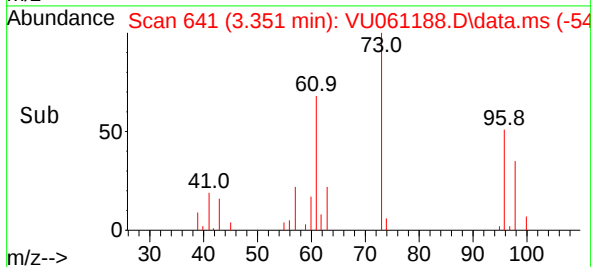
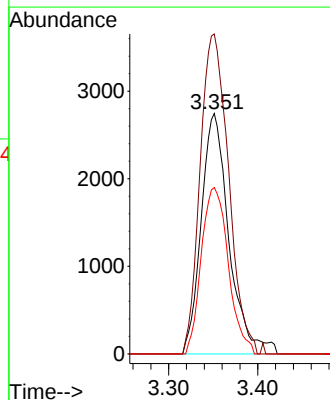
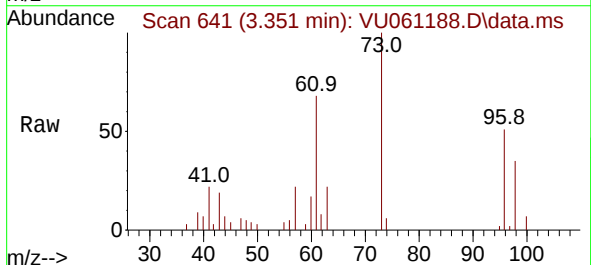
Instrument :
MSVOA_U
ClientSampleId :

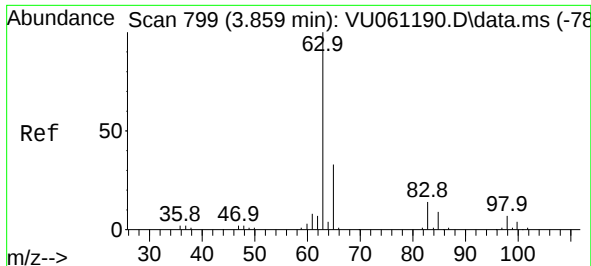
Tgt Ion: 73 Resp: 13953
Ion Ratio Lower Upper
73 100
43 19.7 15.0 22.4
57 22.0 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 0.458 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion: 96 Resp: 5952
Ion Ratio Lower Upper
96 100
61 133.1 97.9 181.7
98 69.2 46.2 85.8

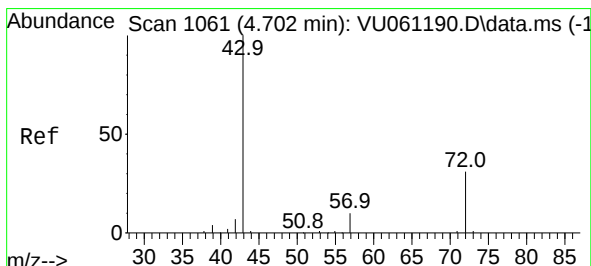
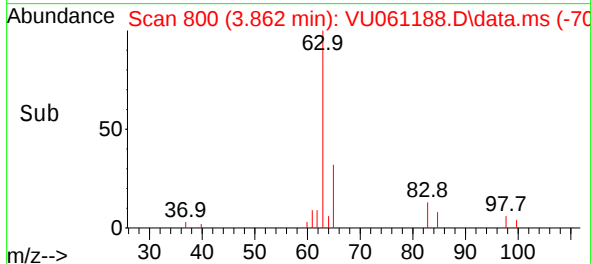
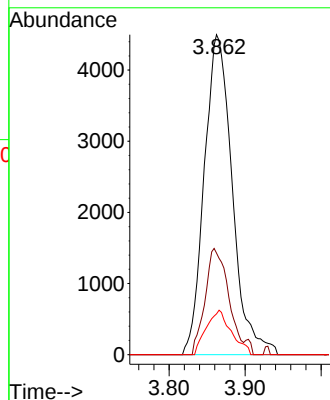
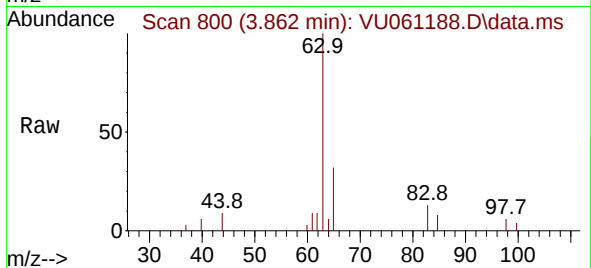




#19
1,1-Dichloroethane
Concen: 0.469 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

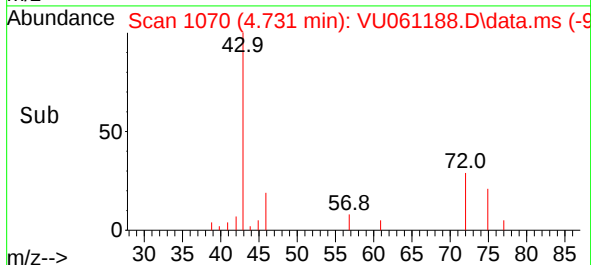
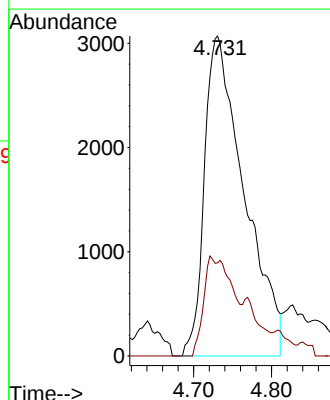
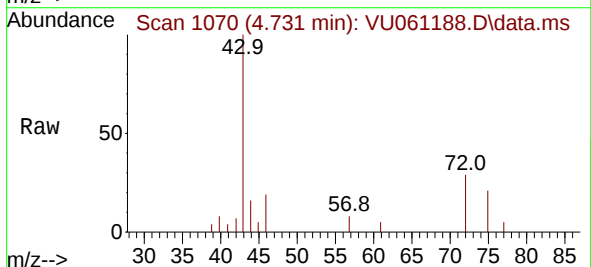
Instrument :
MSVOA_U
ClientSampleId :

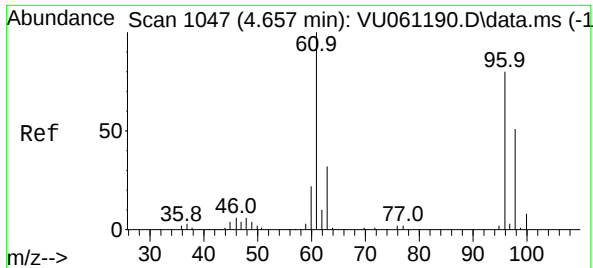
Tgt Ion: 63 Resp: 11499
Ion Ratio Lower Upper
63 100
65 31.8 23.0 42.6
83 12.8 9.7 17.9



#21
2-Butanone
Concen: 4.041 ug/L
RT: 4.731 min Scan# 1070
Delta R.T. 0.029 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion: 43 Resp: 10885
Ion Ratio Lower Upper
43 100
72 22.2 15.9 47.6

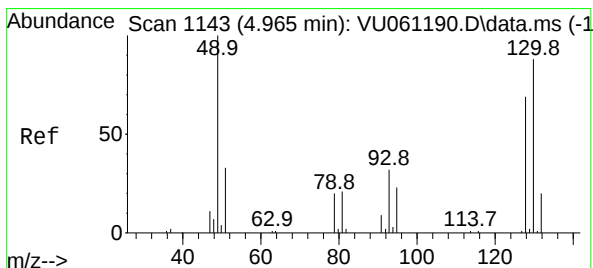
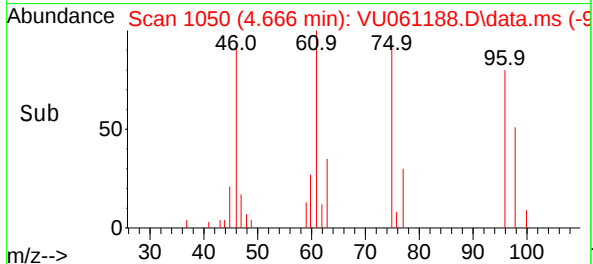
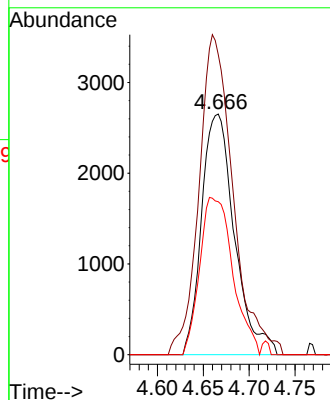
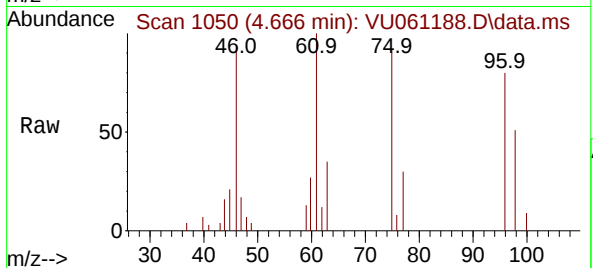




#22
 cis-1,2-Dichloroethene
 Concen: 0.444 ug/L
 RT: 4.666 min Scan# 110
 Delta R.T. 0.010 min
 Lab File: VU061188.D
 Acq: 23 Oct 2024 09:34

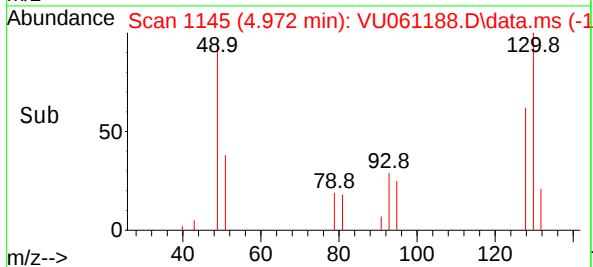
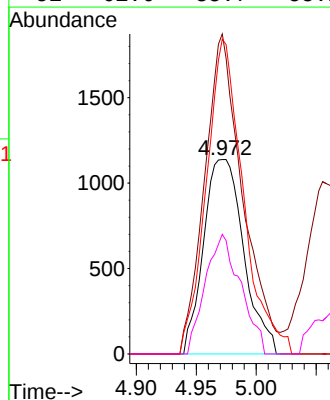
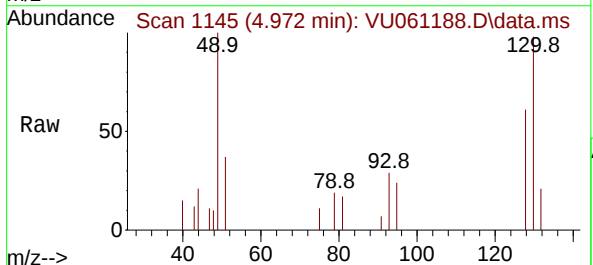
Instrument :
 MSVOA_U
 ClientSampleId :

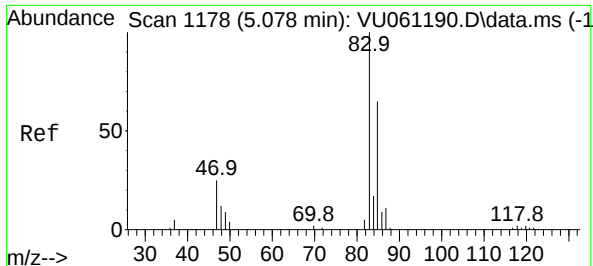
Tgt Ion: 96 Resp: 6596
 Ion Ratio Lower Upper
 96 100
 61 124.7 88.1 163.5
 98 63.6 45.0 83.6



#23
 Bromochloromethane
 Concen: 0.424 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.006 min
 Lab File: VU061188.D
 Acq: 23 Oct 2024 09:34

Tgt Ion: 128 Resp: 2649
 Ion Ratio Lower Upper
 128 100
 49 164.6 105.1 195.1
 130 161.9 89.6 166.4
 51 61.6 38.7 58.1#





#25

Chloroform

Concen: 0.461 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

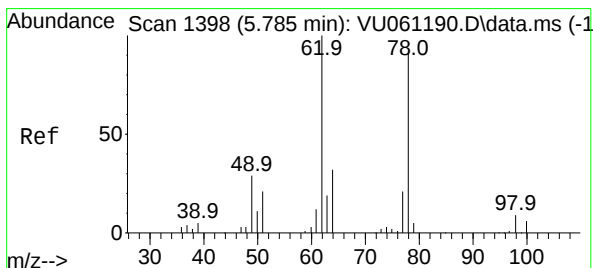
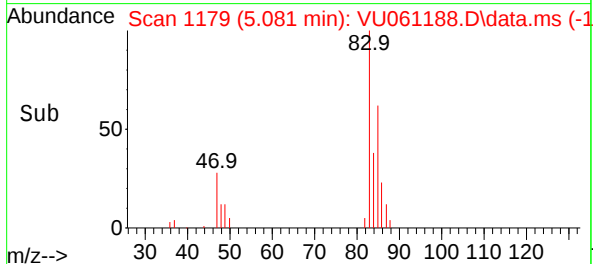
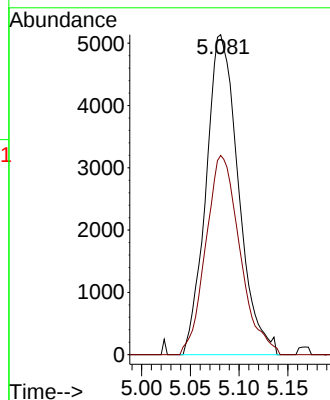
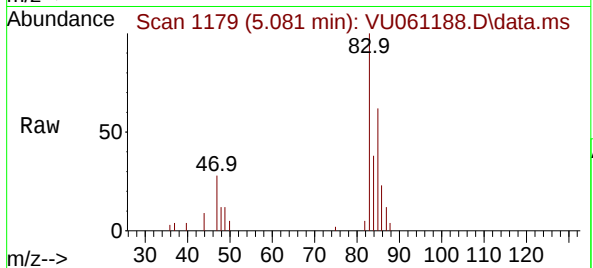
ClientSampleId :

Tgt Ion: 83 Resp: 11879

Ion Ratio Lower Upper

83 100

85 62.2 45.6 84.6



#27

1,2-Dichloroethane

Concen: 0.457 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.006 min

Lab File: VU061188.D

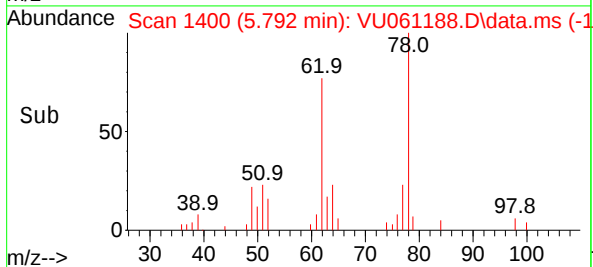
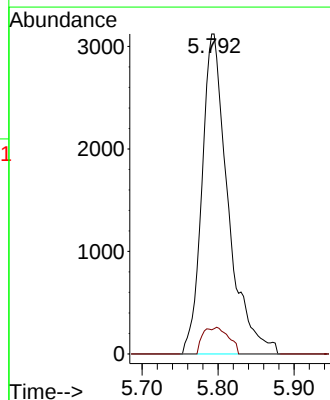
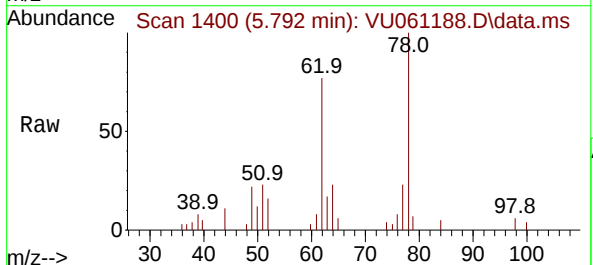
Acq: 23 Oct 2024 09:34

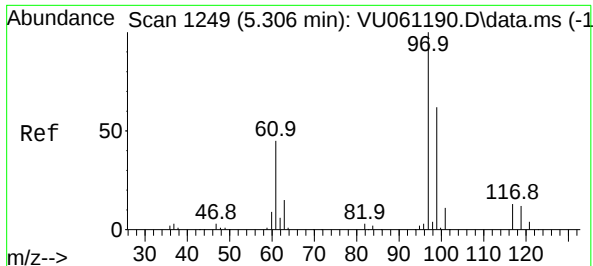
Tgt Ion: 62 Resp: 7443

Ion Ratio Lower Upper

62 100

98 7.6 7.4 11.0

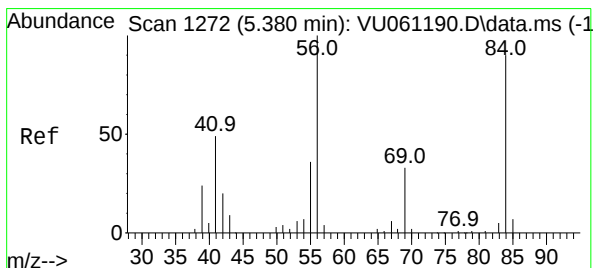
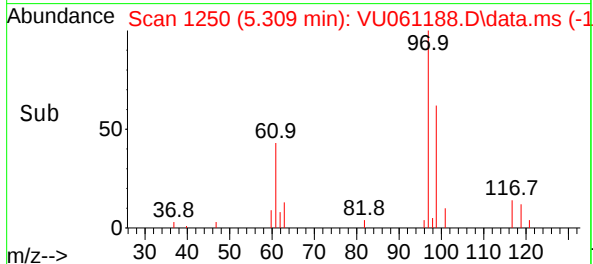
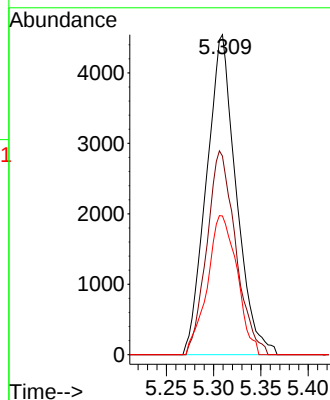
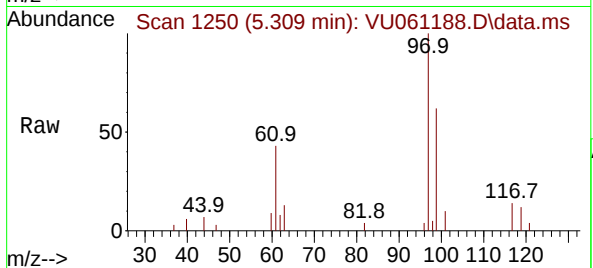




#29
1,1,1-Trichloroethane
Concen: 0.474 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

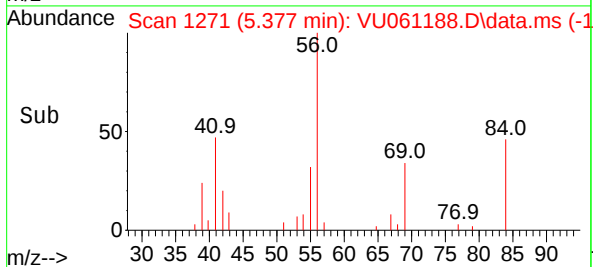
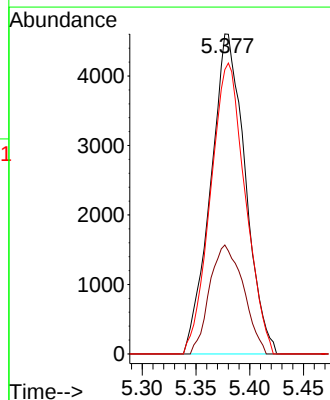
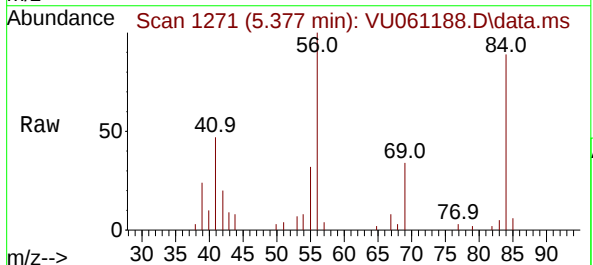
Instrument :
MSVOA_U
ClientSampleId :

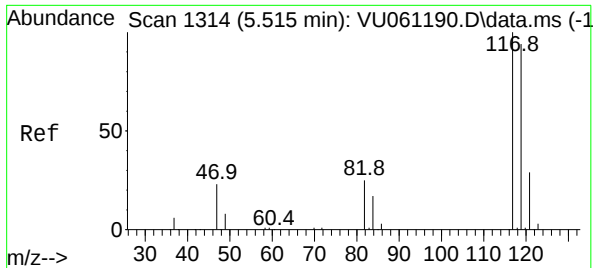
Tgt Ion: 97 Resp: 9912
Ion Ratio Lower Upper
97 100
99 61.9 50.8 76.2
61 43.5 36.1 54.1



#30
Cyclohexane
Concen: 0.490 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion: 56 Resp: 10275
Ion Ratio Lower Upper
56 100
69 33.3 25.8 38.6
84 91.3 73.9 110.9

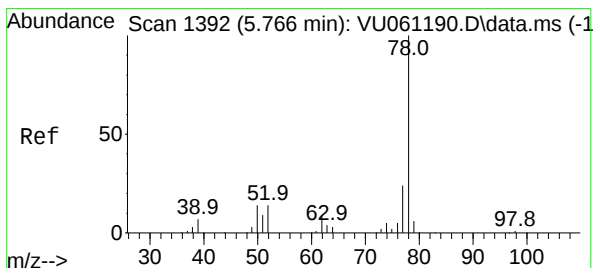
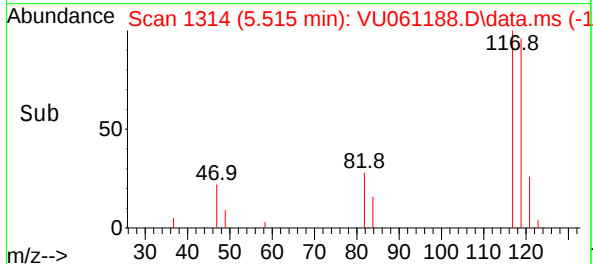
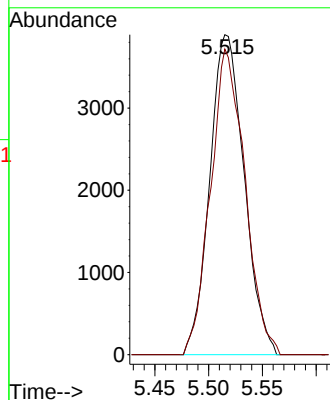
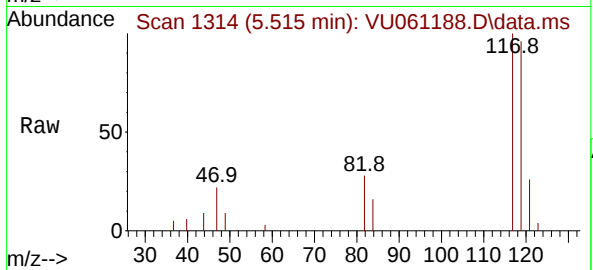




#31
Carbon tetrachloride
Concen: 0.485 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

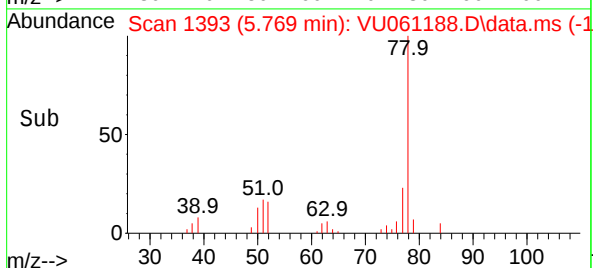
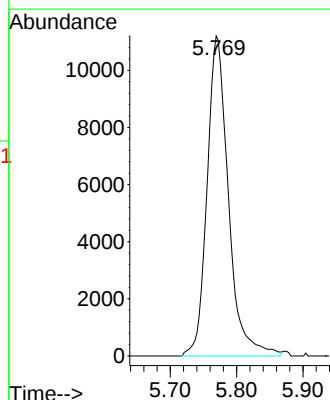
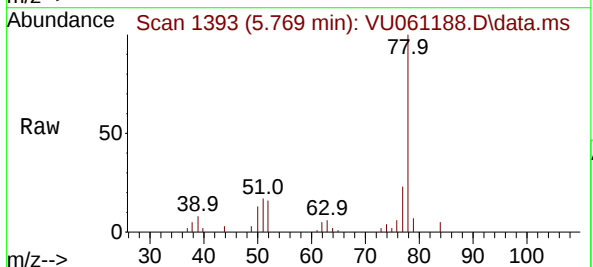
Instrument :
MSVOA_U
ClientSampleId :

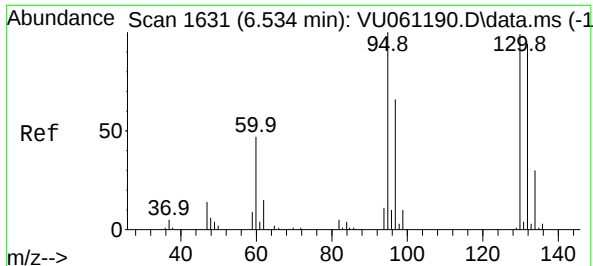
Tgt Ion:117 Resp: 8667
Ion Ratio Lower Upper
117 100
119 95.5 75.5 113.3



#33
Benzene
Concen: 0.475 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion: 78 Resp: 25054





#34

Trichloroethene

Concen: 0.480 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 6898

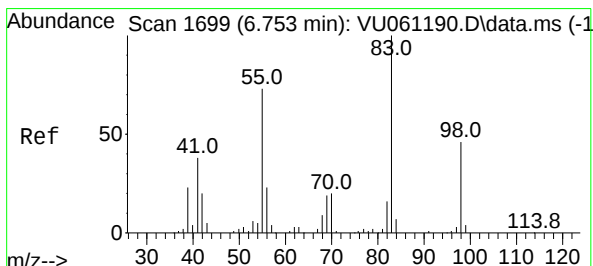
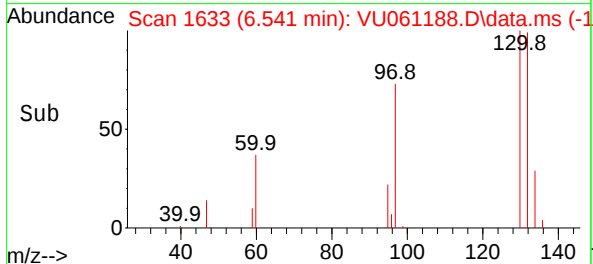
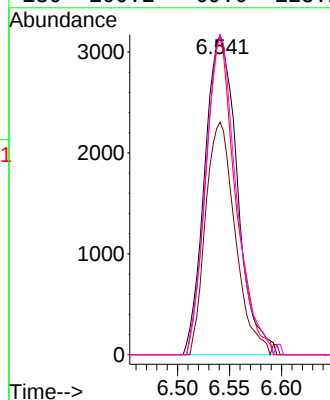
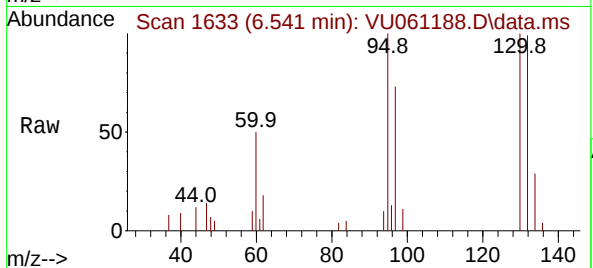
Ion Ratio Lower Upper

95 100

97 72.8 46.1 85.7

132 99.3 66.1 122.7

130 100.2 69.0 128.2



#35

Methylcyclohexane

Concen: 0.482 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

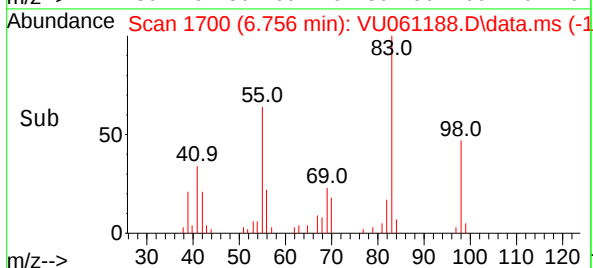
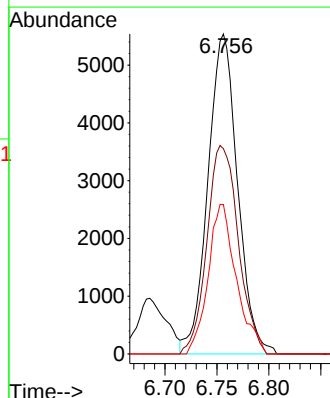
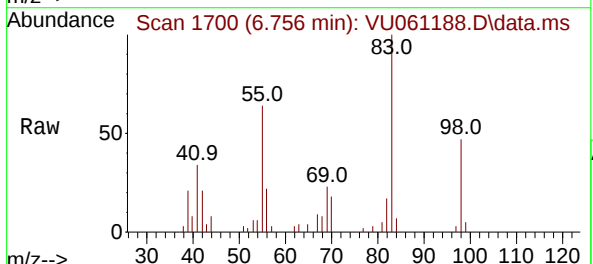
Tgt Ion: 83 Resp: 11015

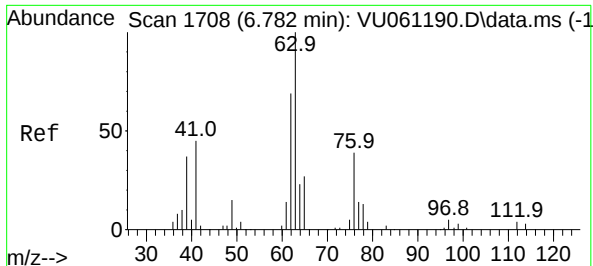
Ion Ratio Lower Upper

83 100

55 68.8 55.9 83.9

98 44.4 35.9 53.9

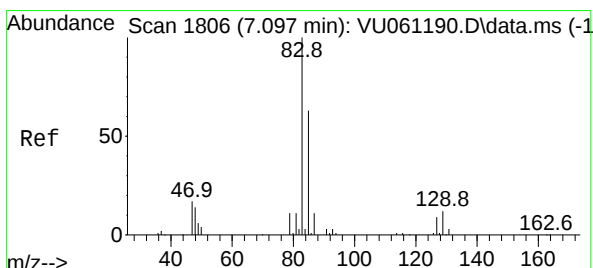
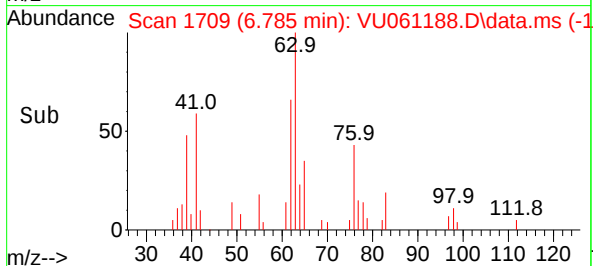
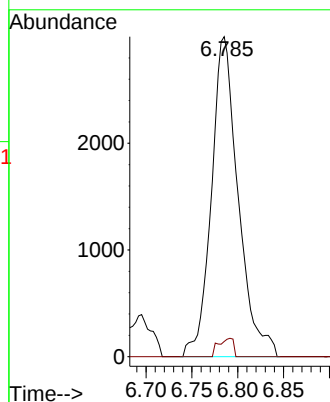
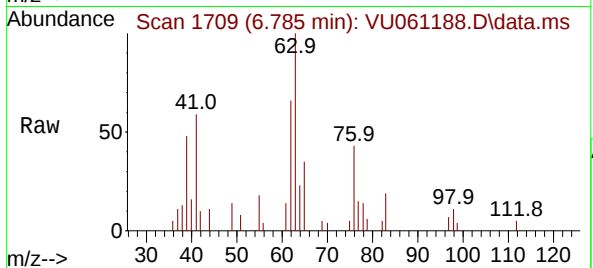




#37
1,2-Dichloropropane
Concen: 0.456 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

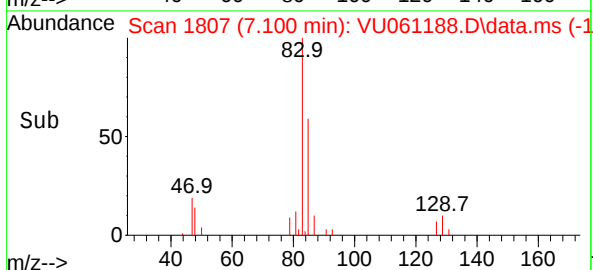
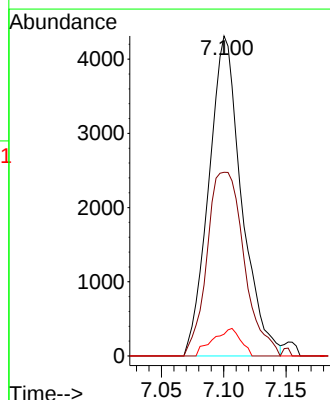
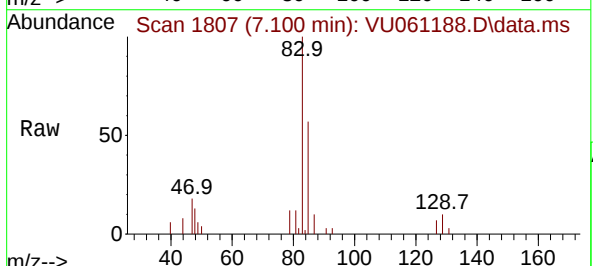
Instrument :
MSVOA_U
ClientSampleId :

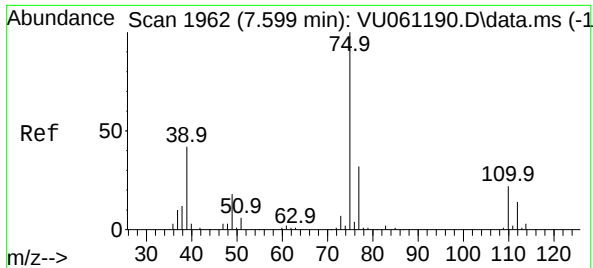
Tgt Ion: 63 Resp: 6097
Ion Ratio Lower Upper
63 100
112 3.2 3.0 4.4



#38
Bromodichloromethane
Concen: 0.467 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion: 83 Resp: 7901
Ion Ratio Lower Upper
83 100
85 57.4 43.8 81.4
127 6.8 7.4 11.0#

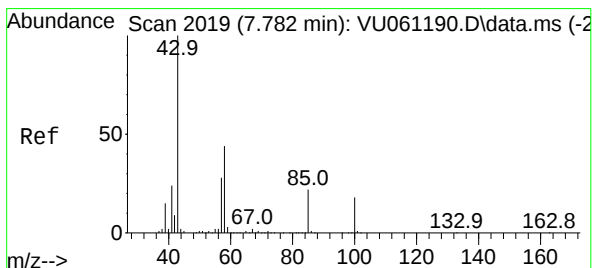
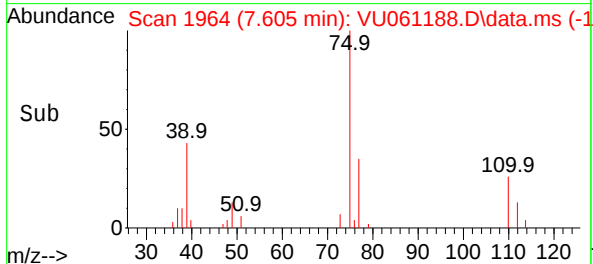
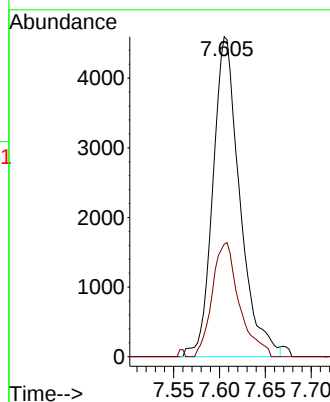
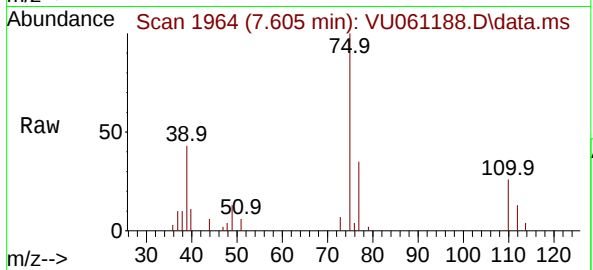




#39
 cis-1,3-Dichloropropene
 Concen: 0.454 ug/L
 RT: 7.605 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VU061188.D
 Acq: 23 Oct 2024 09:34

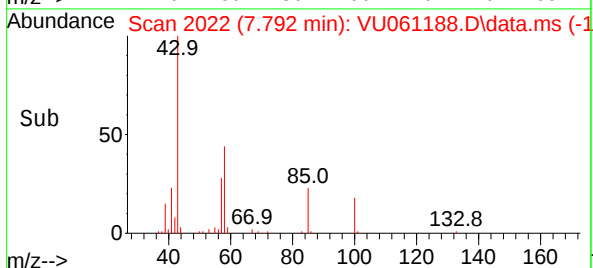
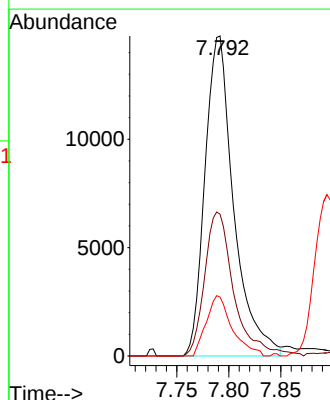
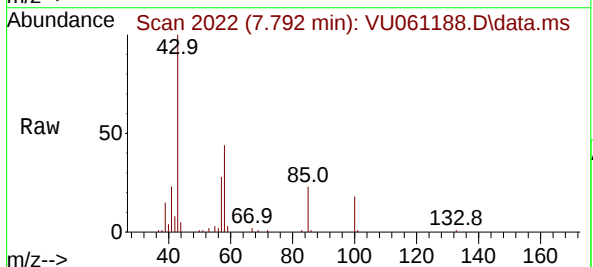
Instrument :
 MSVOA_U
 ClientSampleId :

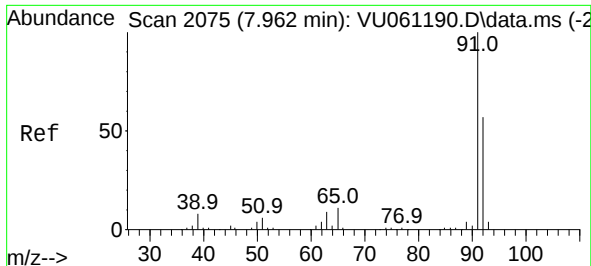
Tgt Ion: 75 Resp: 9393
 Ion Ratio Lower Upper
 75 100
 77 35.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 4.264 ug/L
 RT: 7.792 min Scan# 2022
 Delta R.T. 0.010 min
 Lab File: VU061188.D
 Acq: 23 Oct 2024 09:34

Tgt Ion: 43 Resp: 28399
 Ion Ratio Lower Upper
 43 100
 58 45.7 35.1 52.7
 100 16.9 14.0 21.0





#42

Toluene

Concen: 0.465 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

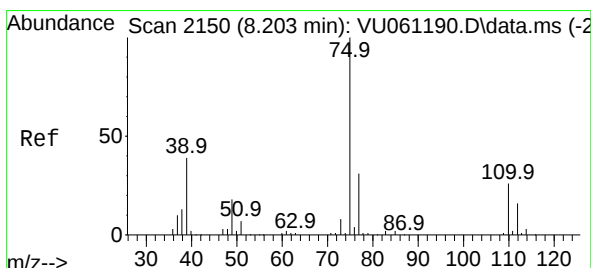
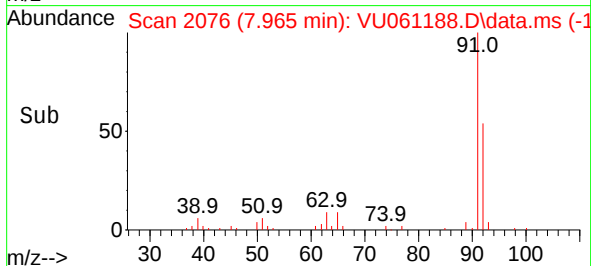
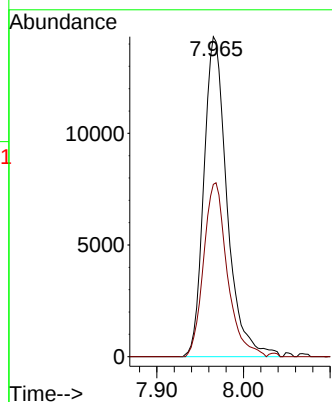
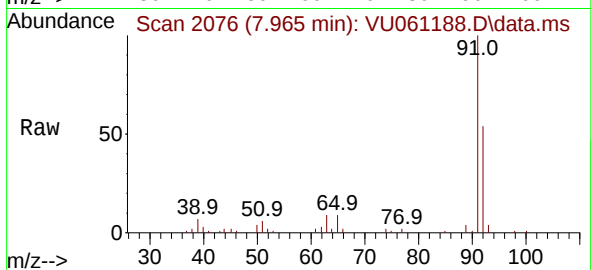
ClientSampleId :

Tgt Ion: 91 Resp: 26646

Ion Ratio Lower Upper

91 100

92 53.9 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 0.450 ug/L

RT: 8.213 min Scan# 2153

Delta R.T. 0.010 min

Lab File: VU061188.D

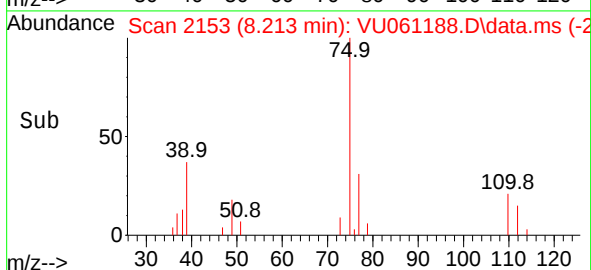
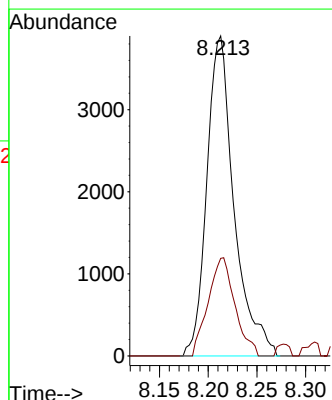
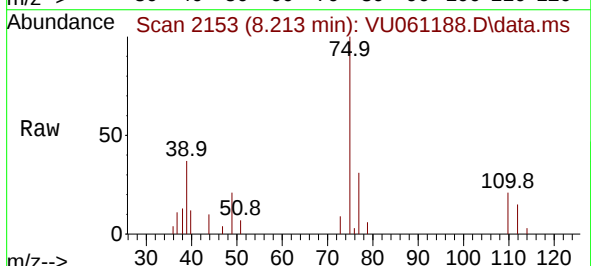
Acq: 23 Oct 2024 09:34

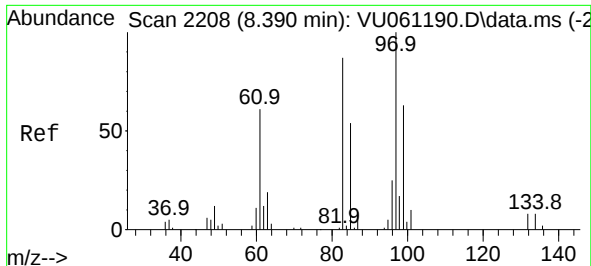
Tgt Ion: 75 Resp: 7580

Ion Ratio Lower Upper

75 100

77 30.5 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 0.434 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 4178

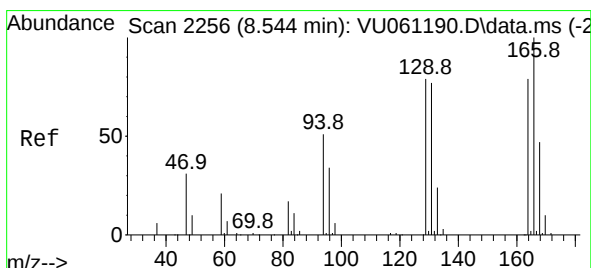
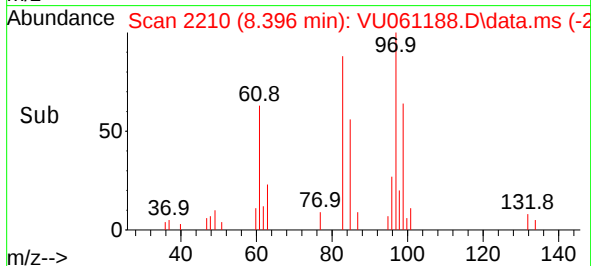
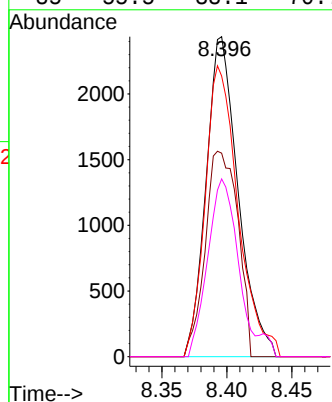
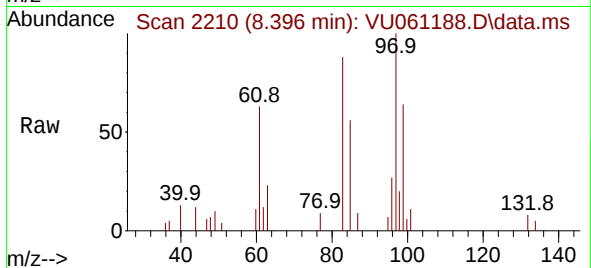
Ion Ratio Lower Upper

97 100

99 63.6 44.1 81.9

83 87.7 61.2 113.6

85 55.5 38.1 70.7



#47

Tetrachloroethene

Concen: 0.444 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Tgt Ion:164 Resp: 4454

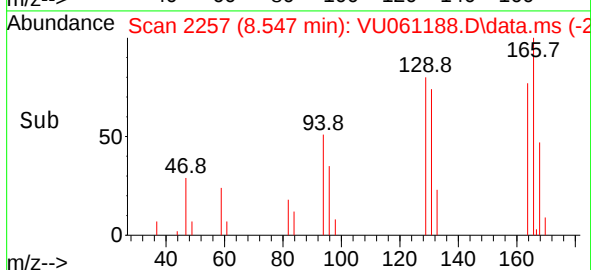
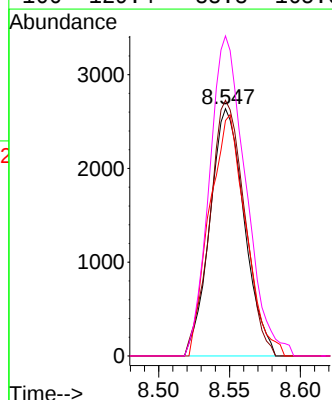
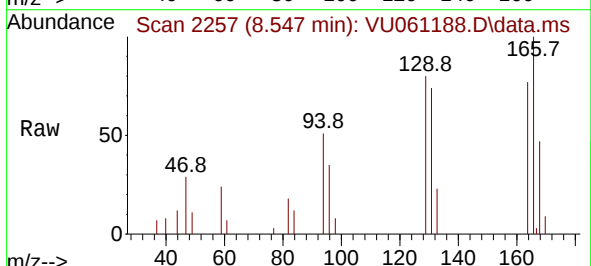
Ion Ratio Lower Upper

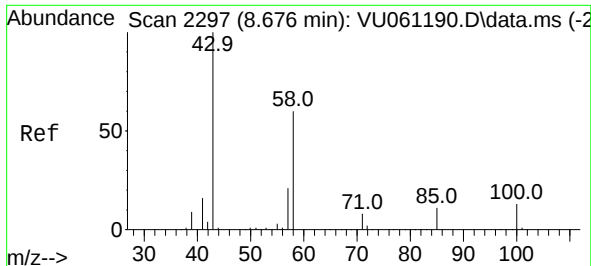
164 100

129 103.4 69.9 129.7

131 95.2 68.3 126.8

166 129.4 88.8 165.0





#48

2-Hexanone

Concen: 4.170 ug/L

RT: 8.685 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 19638

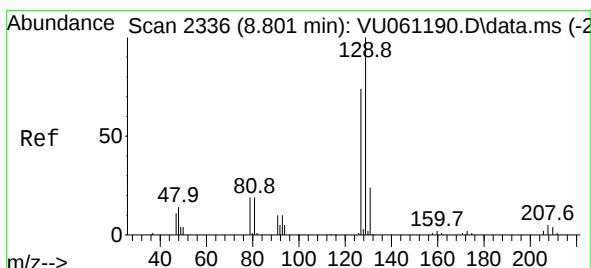
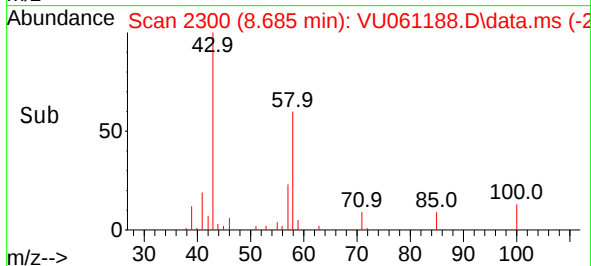
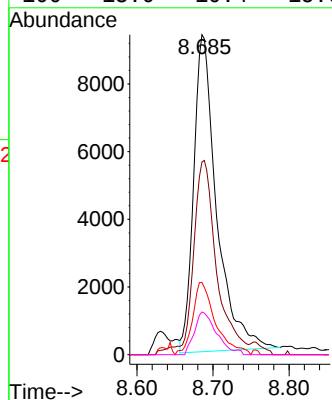
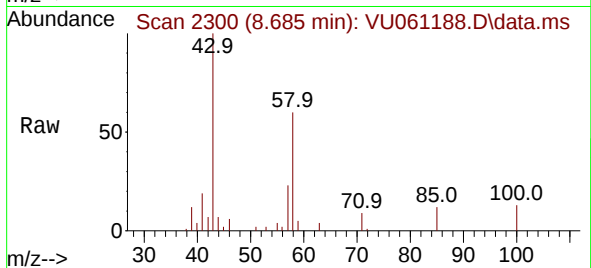
Ion Ratio Lower Upper

43 100

58 62.2 48.6 72.8

57 22.6 17.0 25.6

100 13.0 10.4 15.6



#49

Dibromochloromethane

Concen: 0.442 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VU061188.D

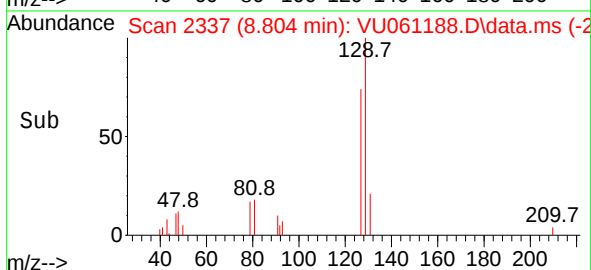
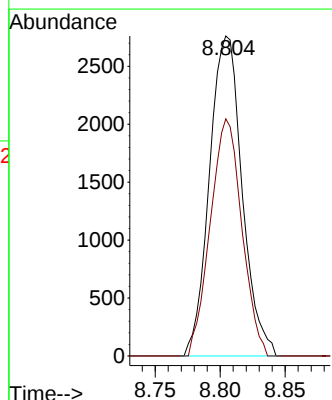
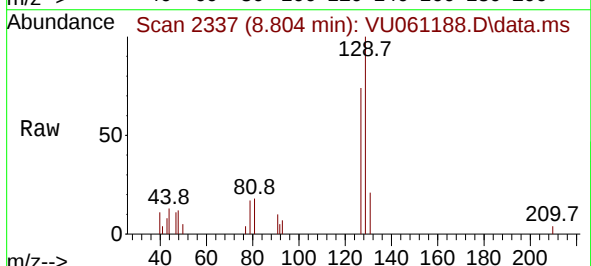
Acq: 23 Oct 2024 09:34

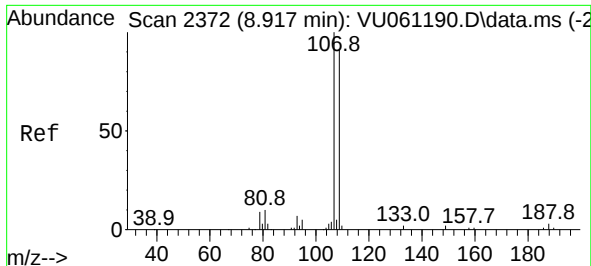
Tgt Ion:129 Resp: 4828

Ion Ratio Lower Upper

129 100

127 74.1 51.8 96.2

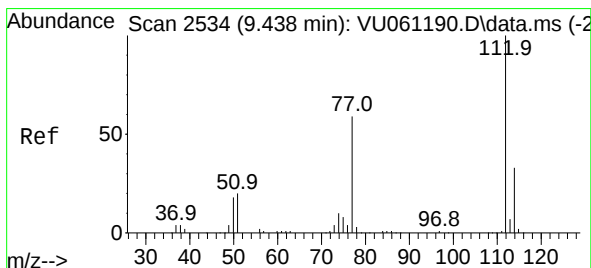
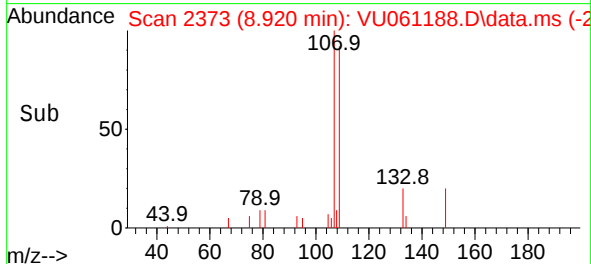
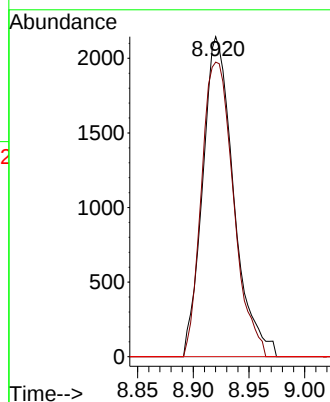
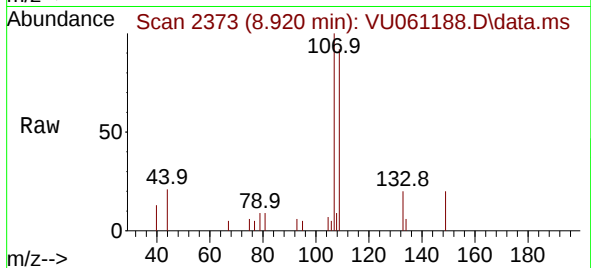




#50
1,2-Dibromoethane
Concen: 0.444 ug/L
RT: 8.920 min Scan# 241
Delta R.T. 0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

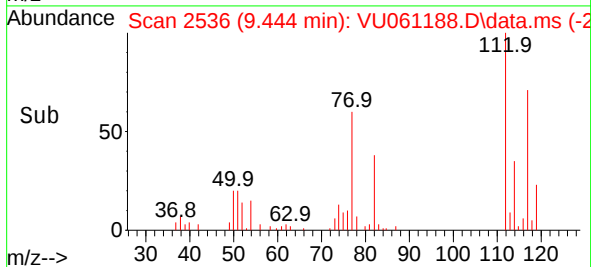
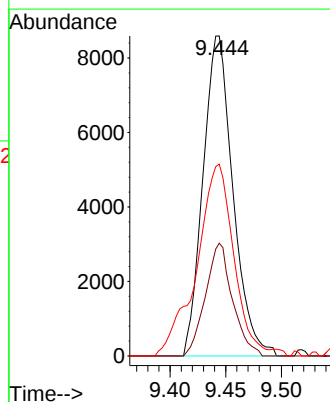
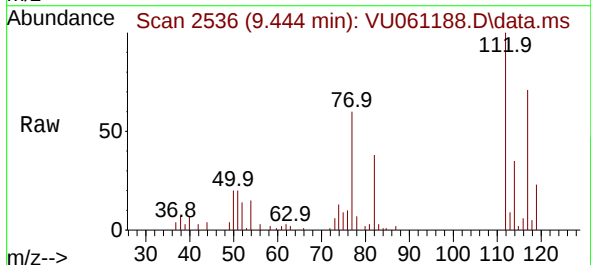
Instrument :
MSVOA_U
ClientSampleId :

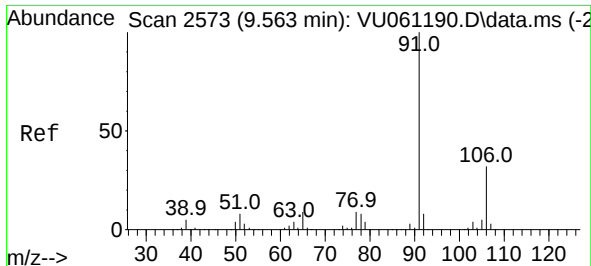
Tgt Ion:107 Resp: 4156
Ion Ratio Lower Upper
107 100
109 92.0 63.4 117.8
188 0.0 2.6 3.8#



#51
Chlorobenzene
Concen: 0.444 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.006 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion:112 Resp: 16074
Ion Ratio Lower Upper
112 100
114 35.2 22.9 42.5
77 59.9 47.1 70.7





#52

Ethylbenzene

Concen: 0.450 ug/L

RT: 9.566 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

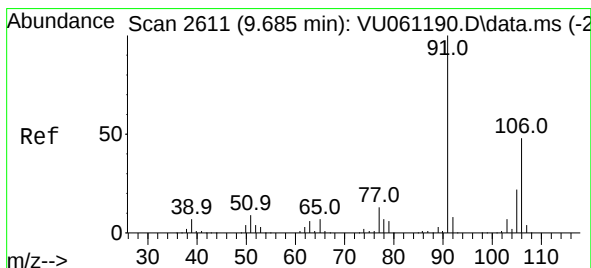
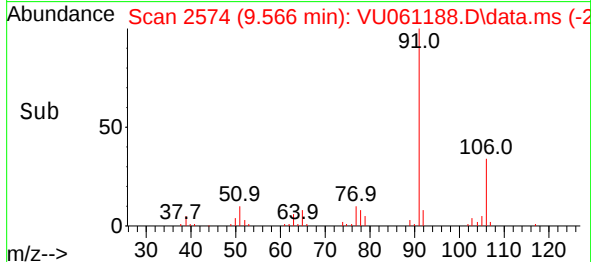
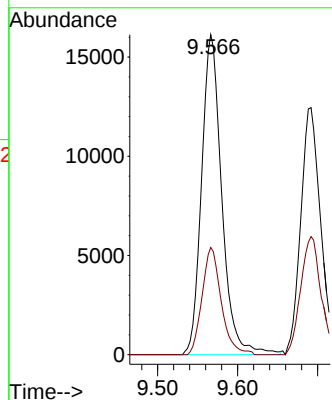
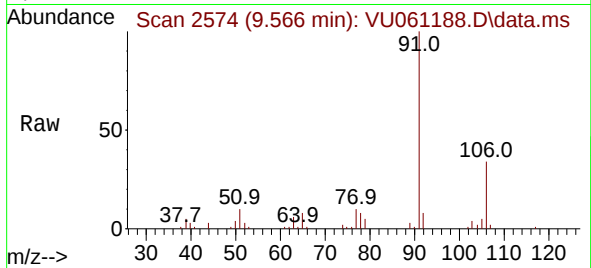
ClientSampleId :

Tgt Ion: 91 Resp: 28356

Ion Ratio Lower Upper

91 100

106 33.5 22.0 41.0



#53

m,p-Xylene

Concen: 0.431 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.006 min

Lab File: VU061188.D

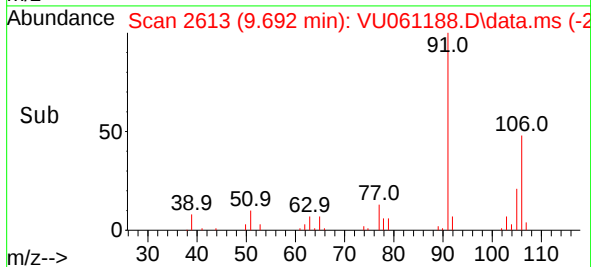
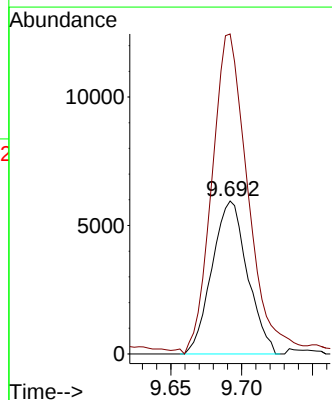
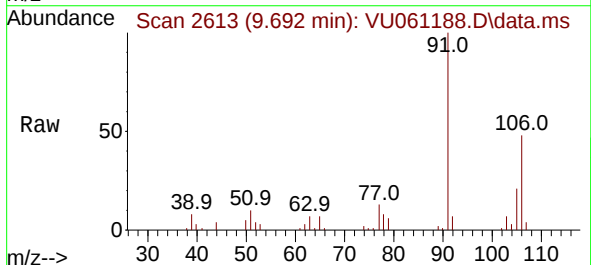
Acq: 23 Oct 2024 09:34

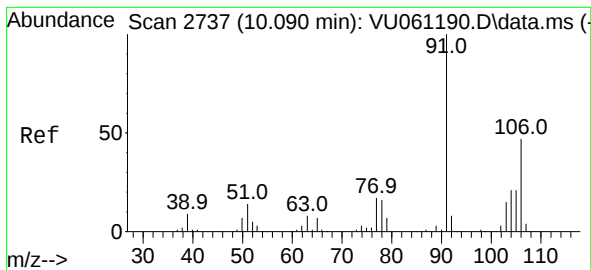
Tgt Ion:106 Resp: 10357

Ion Ratio Lower Upper

106 100

91 209.3 145.7 270.7





#54

o-Xylene

Concen: 0.440 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.006 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

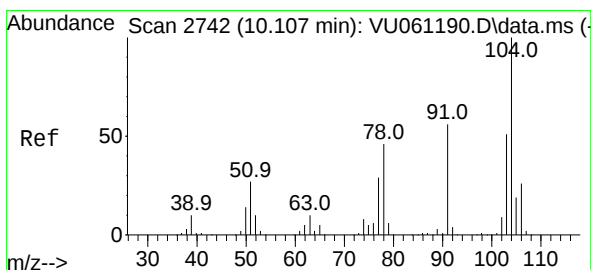
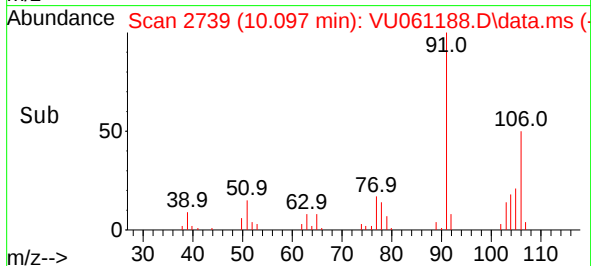
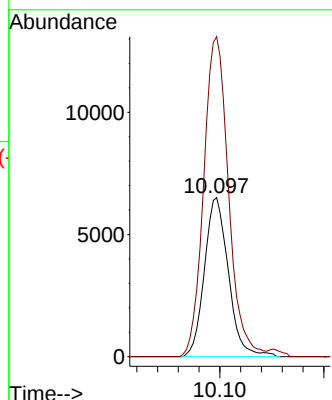
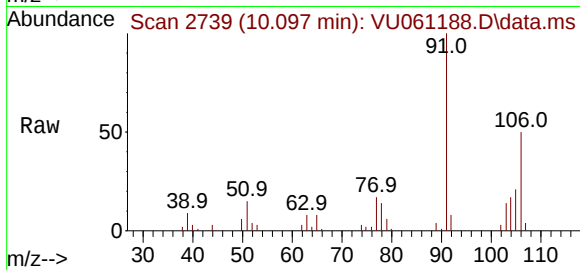
ClientSampleId :

Tgt Ion:106 Resp: 10433

Ion Ratio Lower Upper

106 100

91 201.3 148.8 276.4



#55

Styrene

Concen: 0.423 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.010 min

Lab File: VU061188.D

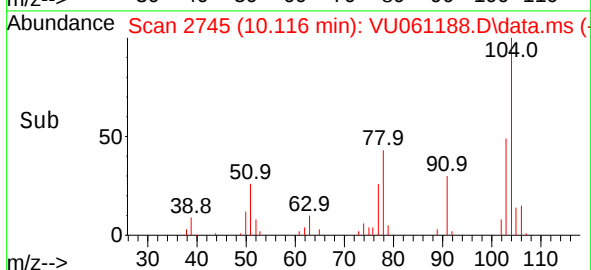
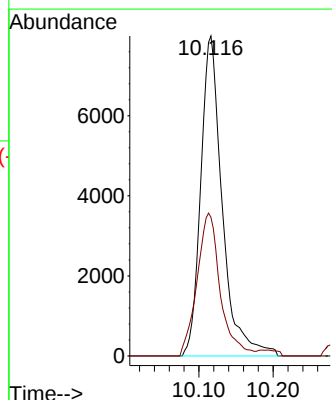
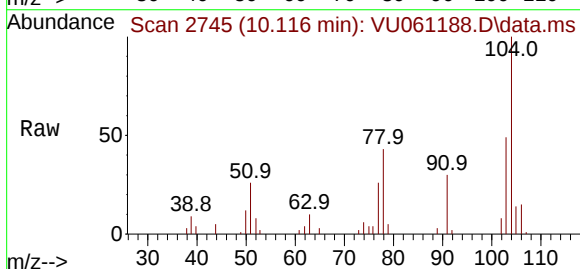
Acq: 23 Oct 2024 09:34

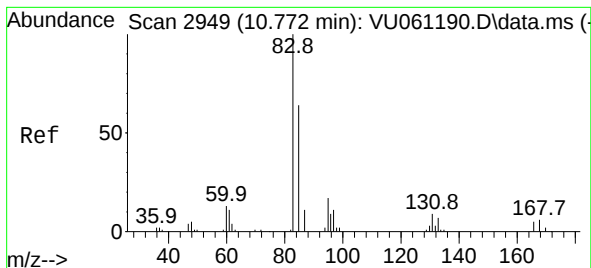
Tgt Ion:104 Resp: 16093

Ion Ratio Lower Upper

104 100

78 43.4 32.3 59.9

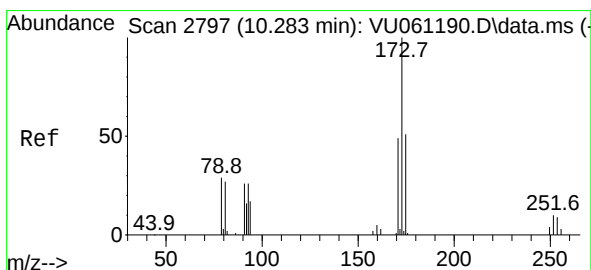
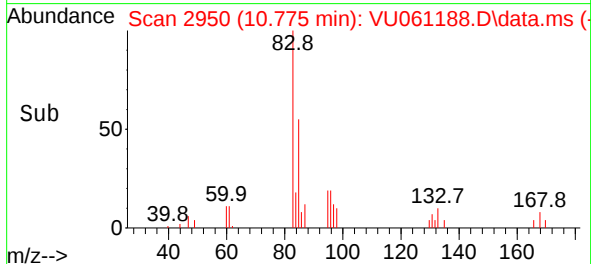
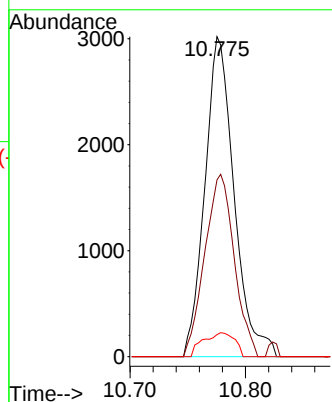
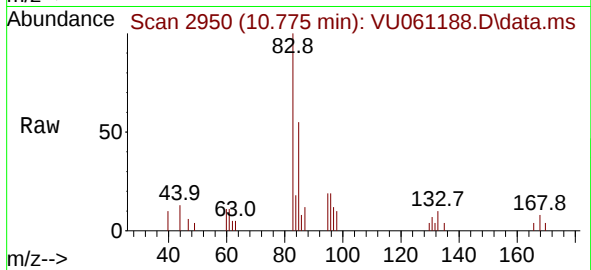




#57
1,1,2,2-Tetrachloroethane
Concen: 0.457 ug/L
RT: 10.775 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

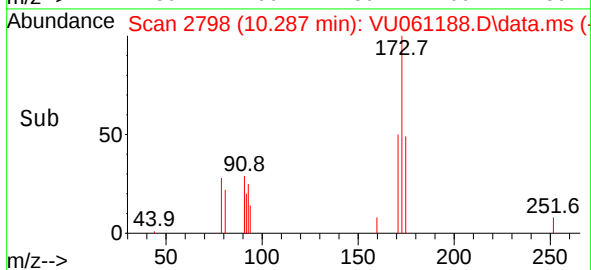
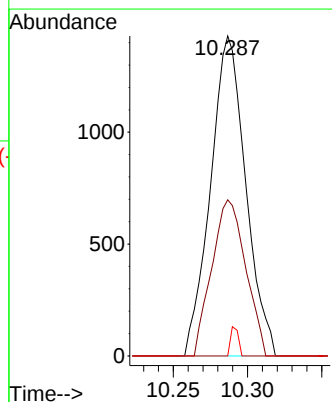
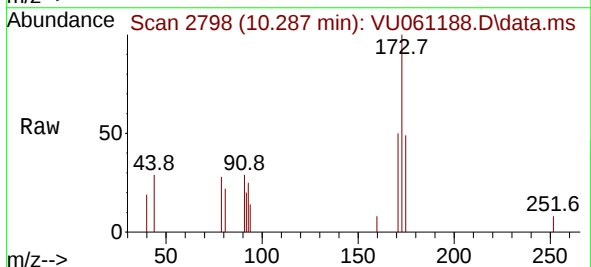
Instrument :
MSVOA_U
ClientSampleId :

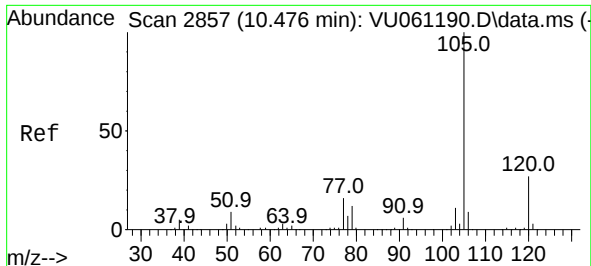
Tgt Ion: 83 Resp: 5300
Ion Ratio Lower Upper
83 100
85 63.3 45.3 84.1
131 6.9 7.6 11.4#



#59
Bromoform
Concen: 0.413 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion:173 Resp: 2352
Ion Ratio Lower Upper
173 100
175 46.9 39.0 58.4
254 2.0 6.8 10.2#

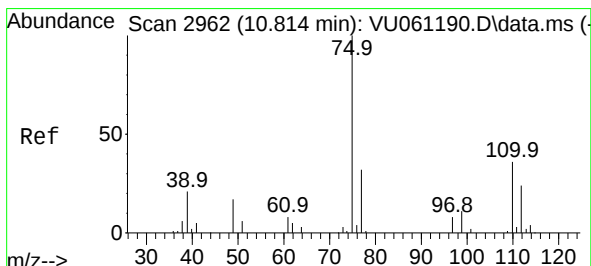
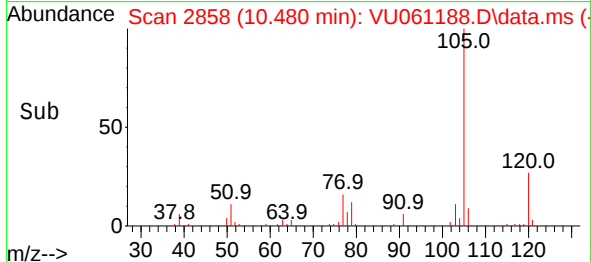
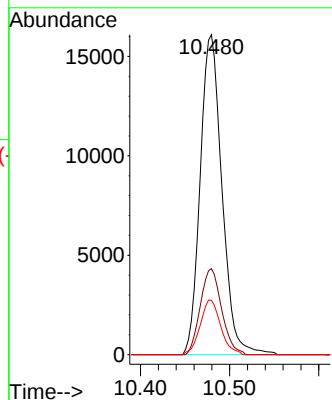
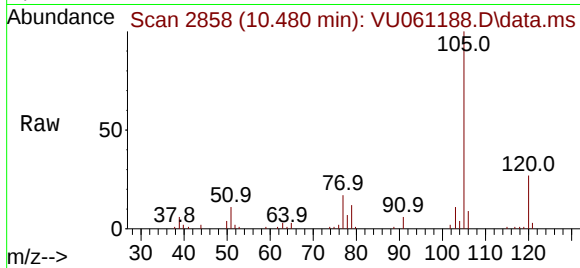




#60
Isopropylbenzene
Concen: 0.465 ug/L
RT: 10.480 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

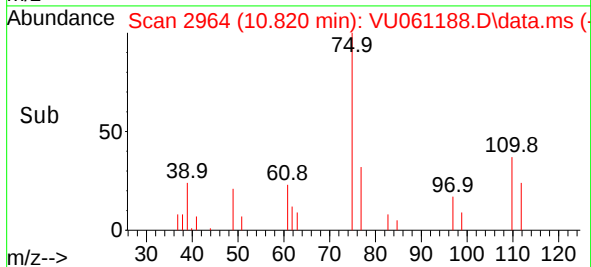
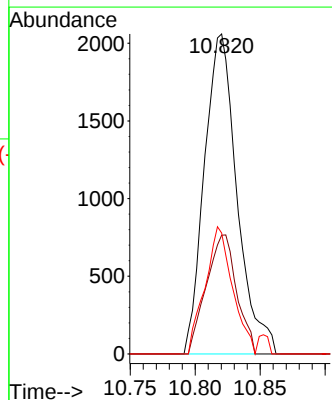
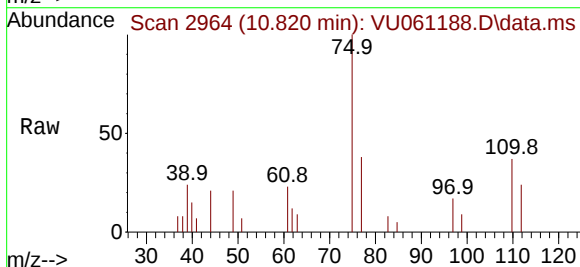
Instrument :
MSVOA_U
ClientSampleId :

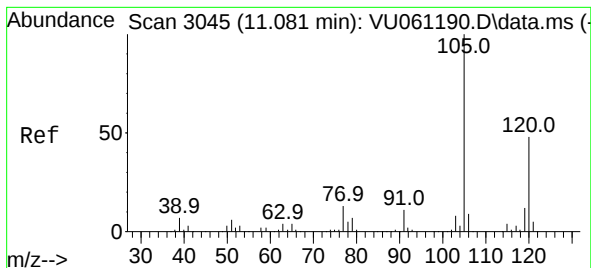
Tgt Ion:105 Resp: 27336
Ion Ratio Lower Upper
105 100
120 26.2 21.2 31.8
77 16.0 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 0.470 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.006 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion: 75 Resp: 3598
Ion Ratio Lower Upper
75 100
110 34.7 28.8 43.2
77 33.5 25.7 38.5





#62

1,3,5-Trimethylbenzene

Concen: 0.442 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

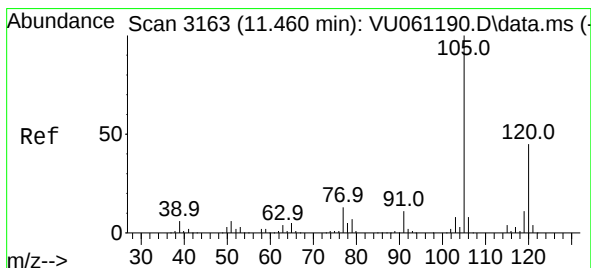
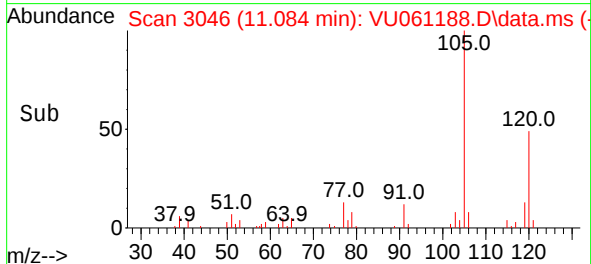
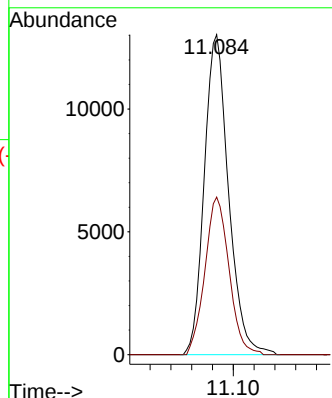
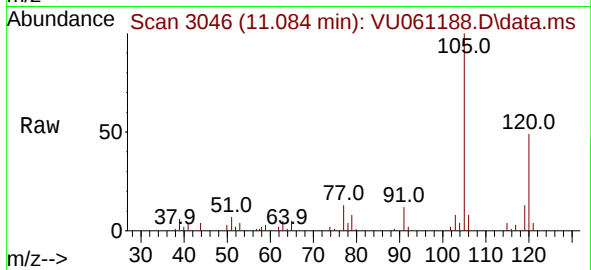
ClientSampleId :

Tgt Ion:105 Resp: 21123

Ion Ratio Lower Upper

105 100

120 49.0 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 0.440 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU061188.D

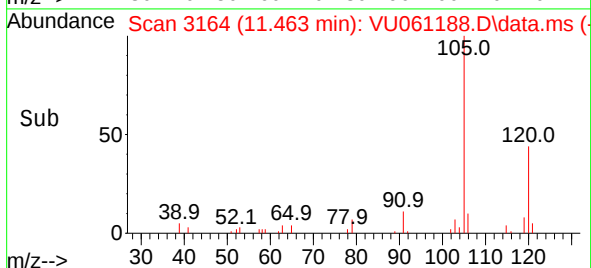
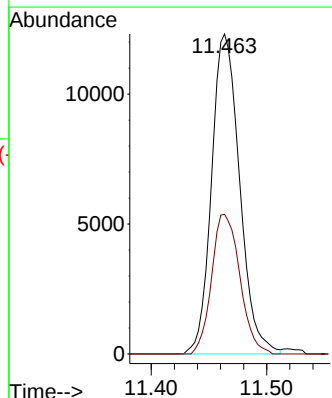
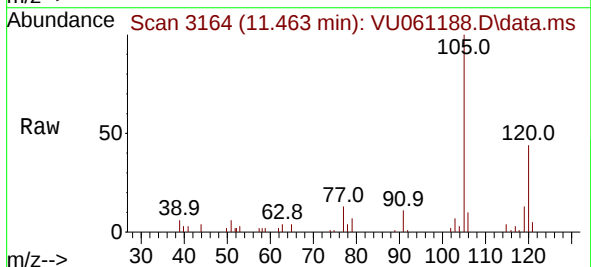
Acq: 23 Oct 2024 09:34

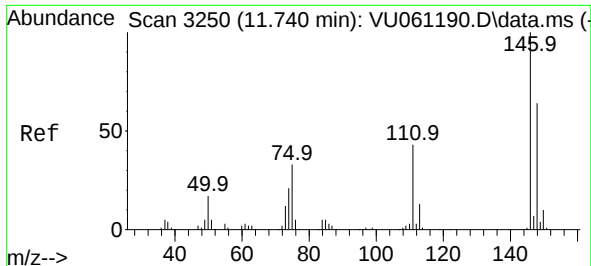
Tgt Ion:105 Resp: 20777

Ion Ratio Lower Upper

105 100

120 43.9 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 0.439 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.003 min

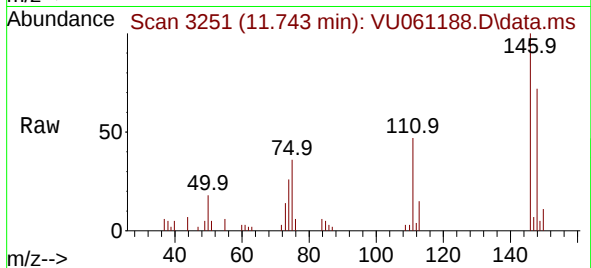
Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

ClientSampleId :



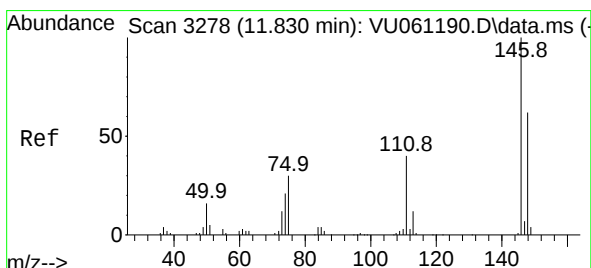
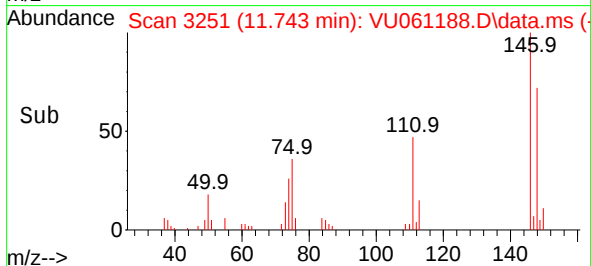
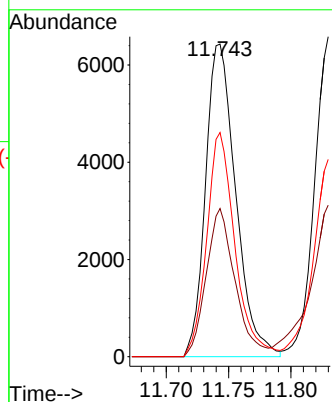
Tgt Ion:146 Resp: 10847

Ion Ratio Lower Upper

146 100

111 47.4 30.0 55.8

148 71.7 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 0.472 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

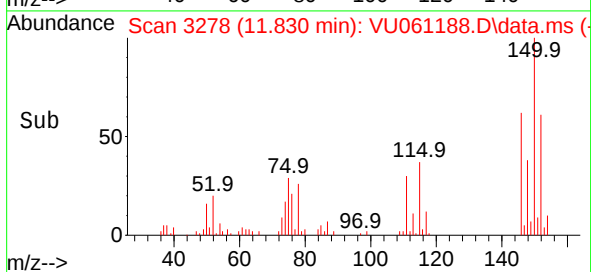
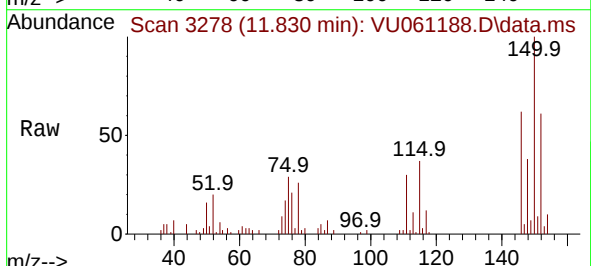
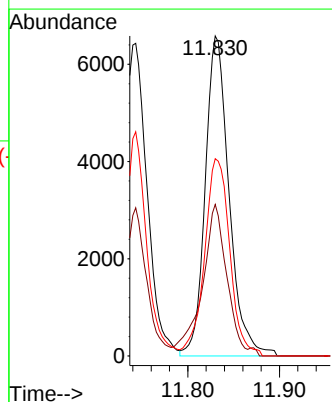
Tgt Ion:146 Resp: 11897

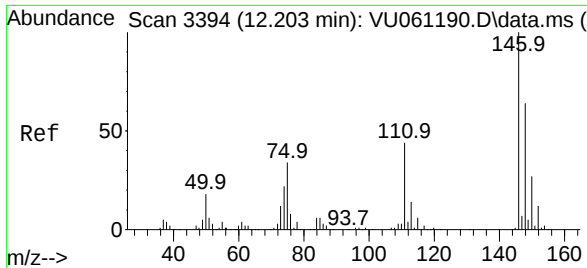
Ion Ratio Lower Upper

146 100

111 47.4 28.2 52.4

148 61.7 43.3 80.3

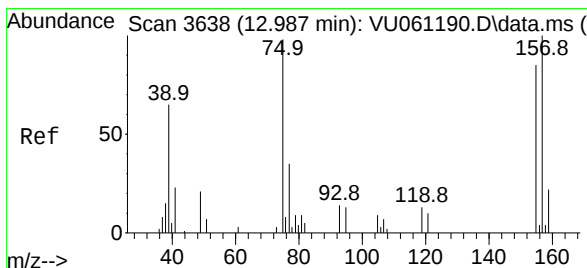
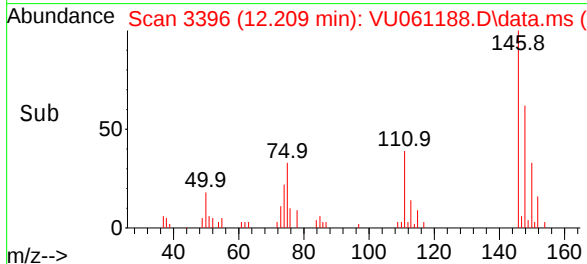
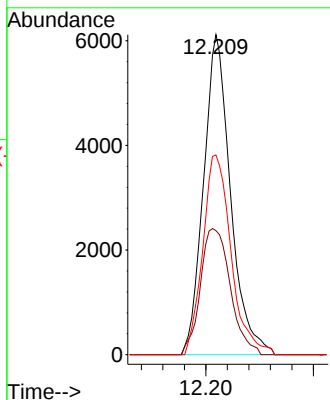
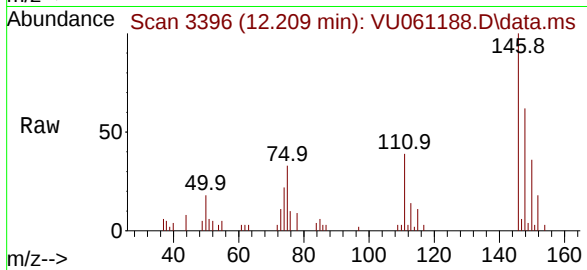




#67
1,2-Dichlorobenzene
Concen: 0.457 ug/L
RT: 12.209 min Scan# 3411
Delta R.T. 0.006 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

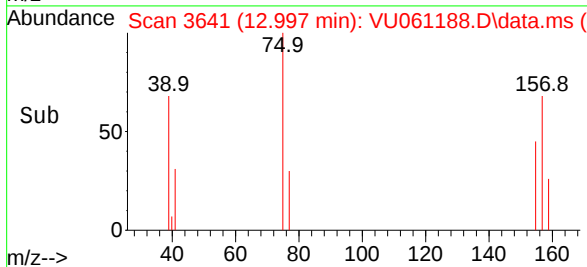
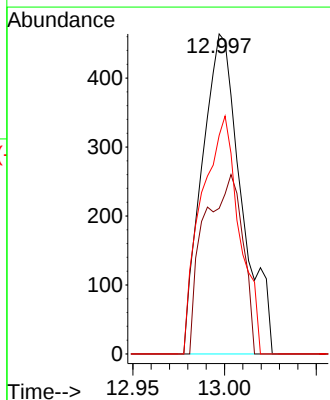
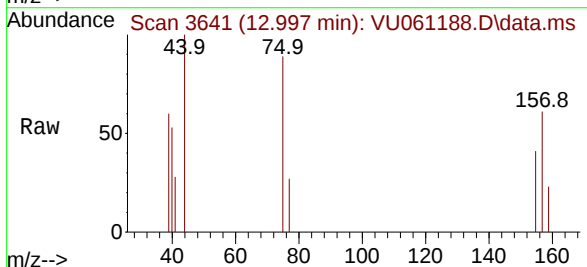
Instrument :
MSVOA_U
ClientSampleId :

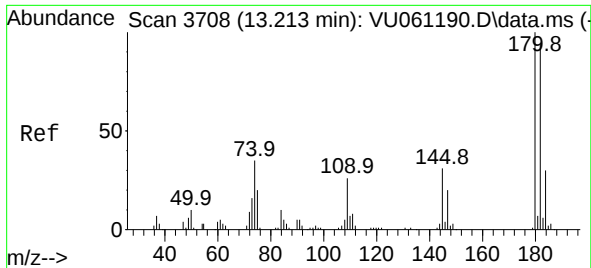
Tgt Ion:146 Resp: 10641
Ion Ratio Lower Upper
146 100
111 38.8 35.2 52.8
148 62.4 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 0.430 ug/L
RT: 12.997 min Scan# 3641
Delta R.T. 0.010 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion: 75 Resp: 691
Ion Ratio Lower Upper
75 100
155 45.5 69.3 103.9#
157 68.3 81.4 122.2#





#69

1,3,5-Trichlorobenzene

Concen: 0.427 ug/L

RT: 13.219 min Scan# 3708

Delta R.T. 0.006 min

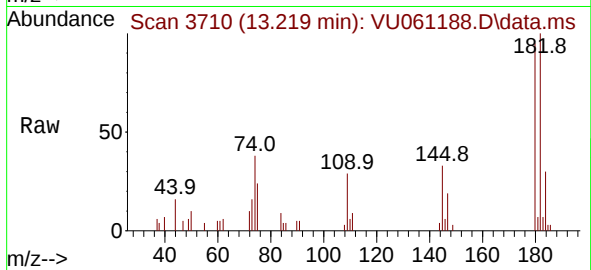
Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 7234

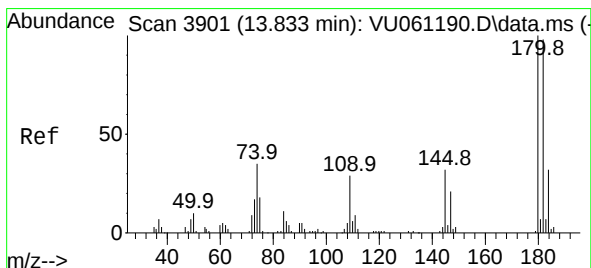
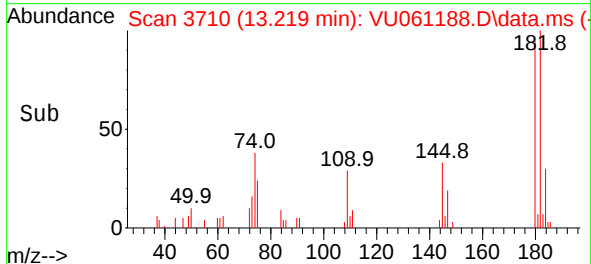
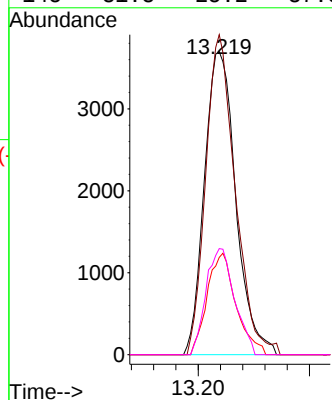
Ion Ratio Lower Upper

180 100

182 99.1 77.4 116.2

184 30.8 24.4 36.6

145 31.8 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 0.393 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU061188.D

Acq: 23 Oct 2024 09:34

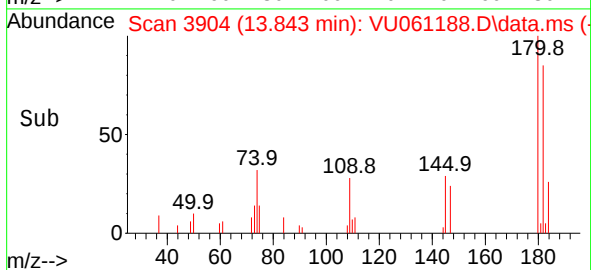
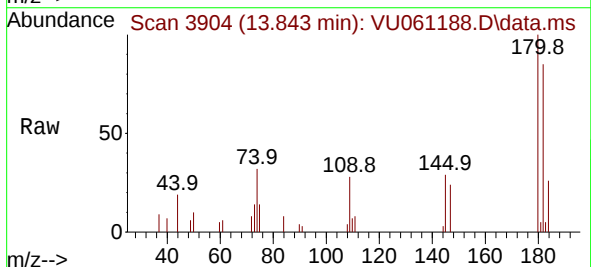
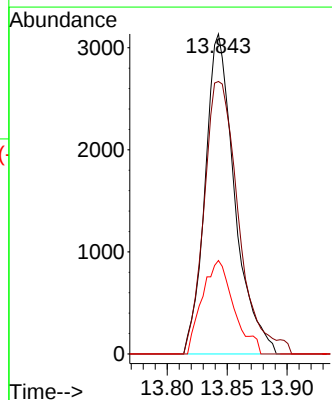
Tgt Ion:180 Resp: 5376

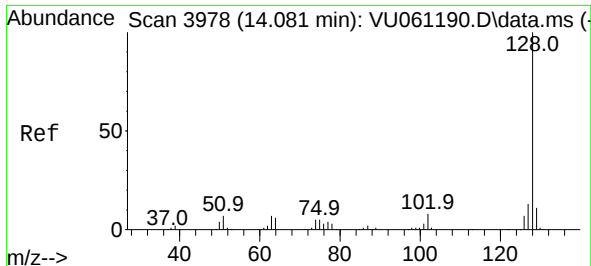
Ion Ratio Lower Upper

180 100

182 99.1 77.2 115.8

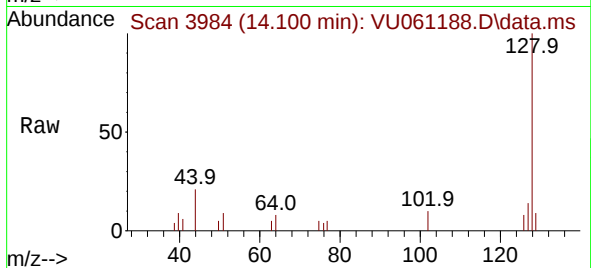
145 31.3 25.6 38.4



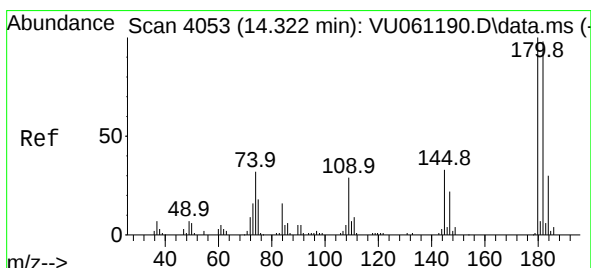
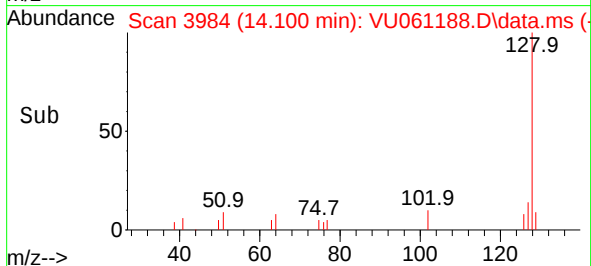
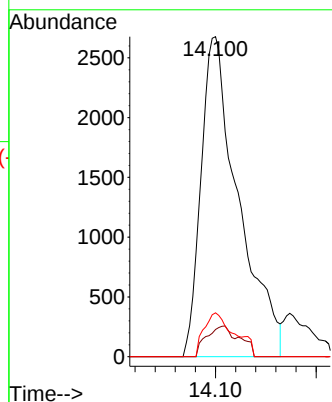


#71
Naphthalene
Concen: 0.325 ug/L
RT: 14.100 min Scan# 3978
Delta R.T. 0.019 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 6912
Ion Ratio Lower Upper
128 100
129 8.4 9.0 13.4#
127 11.1 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 0.368 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.010 min
Lab File: VU061188.D
Acq: 23 Oct 2024 09:34

Tgt Ion:180 Resp: 4204
Ion Ratio Lower Upper
180 100
182 92.9 76.0 114.0
145 35.9 26.5 39.7

