

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112824\
 Data File : VU062056.D
 Acq On : 27 Nov 2024 15:50
 Operator : MD/SY
 Sample : VSTD010
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 28 00:46:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 28 00:45:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	174056	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	166130	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	79541	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	12100	9.947	ug/L	0.00
7) Chloroethane-d5	1.907	69	8941	8.633	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	22427	9.894	ug/L	0.00
21) 2-Butanone-d5	4.634	46	16084	16.675	ug/L	0.02
24) Chloroform-d	5.055	84	25512	9.922	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	16378	10.003	ug/L	0.00
32) Benzene-d6	5.721	84	47030	9.037	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	15133	9.501	ug/L	0.00
41) Toluene-d8	7.891	98	43405	8.979	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	7135	8.932	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	10343	13.506	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	21448	8.661	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	15679	9.180	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	17002	13.031	ug/L	99
3) Chloromethane	1.518	50	14094	11.898	ug/L	98
5) Vinyl chloride	1.602	62	14493	11.552	ug/L	96
6) Bromomethane	1.850	94	8060	9.187	ug/L	95
8) Chloroethane	1.927	64	8238	10.213	ug/L	94
9) Trichlorofluoromethane	2.132	101	21698	12.002	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	12116	11.603	ug/L	99
12) 1,1-Dichloroethene	2.576	96	11134	11.421	ug/L	92
13) Acetone	2.624	43	21566	27.976	ug/L	94
14) Carbon disulfide	2.788	76	32573	10.970	ug/L	97
15) Methyl Acetate	2.949	43	12083	10.363	ug/L	94
16) Methylene chloride	3.039	84	12362	10.357	ug/L	99
17) trans-1,2-Dichloroethene	3.348	96	11076	10.480	ug/L	92
18) Methyl tert-butyl Ether	3.354	73	37178	10.292	ug/L	99
19) 1,1-Dichloroethane	3.859	63	21606	10.723	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	12624	10.174	ug/L	99
22) 2-Butanone	4.795	43	479	0.504	ug/L	89
23) Bromochloromethane	4.968	128	6580	10.446	ug/L	90
25) Chloroform	5.078	83	23969	11.063	ug/L	96
27) 1,2-Dichloroethane	5.788	62	19456	11.258	ug/L	100
29) Cyclohexane	5.380	56	18189	10.139	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	20668	11.053	ug/L	98
31) Carbon tetrachloride	5.515	117	18593	11.423	ug/L	99
33) Benzene	5.766	78	48389	10.231	ug/L	100
34) Trichloroethene	6.534	95	13048	10.468	ug/L	96
35) Methylcyclohexane	6.756	83	19152	9.940	ug/L	98
37) 1,2-Dichloropropane	6.782	63	12528	9.980	ug/L	99
38) Bromodichloromethane	7.097	83	17120	10.596	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	20227	10.090	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	30937	18.359	ug/L	99
42) Toluene	7.962	91	50540	9.830	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	17654	9.468	ug/L	97

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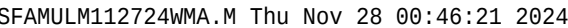
Instrument :
 MSVOA_U
 ClientSampleId :

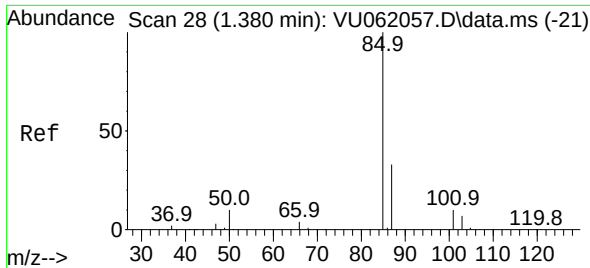
Quant Time: Nov 28 00:46:10 2024
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.389	97	13167	10.463	ug/L	98
46) Tetrachloroethene	8.544	164	9567	10.475	ug/L	98
48) 2-Hexanone	8.679	43	25549	18.665	ug/L	98
49) Dibromochloromethane	8.801	129	12989	10.325	ug/L	97
50) 1,2-Dibromoethane	8.917	107	14468	10.430	ug/L #	99
51) Chlorobenzene	9.438	112	32718	9.987	ug/L	99
52) Ethylbenzene	9.563	91	54212	9.710	ug/L	99
53) m,p-Xylene	9.688	106	19362	9.133	ug/L	99
54) o-Xylene	10.094	106	19657	9.412	ug/L	95
55) Styrene	10.110	104	31683	9.237	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	21761	10.057	ug/L	94
59) Bromoform	10.283	173	9633	10.384	ug/L #	98
60) 1,2,3-Trichloropropane	10.814	75	17113	10.354	ug/L	98
61) Isopropylbenzene	10.476	105	51477	9.872	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	42863	10.030	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	39697	9.423	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	24078	10.247	ug/L	92
65) 1,4-Dichlorobenzene	11.827	146	25099	10.542	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	24559	10.467	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.987	75	4453	10.073	ug/L	84
69) 1,3,5-Trichlorobenzene	13.212	180	15705	9.923	ug/L	96
70) 1,2,4-trichlorobenzene	13.836	180	13617	10.173	ug/L	97
71) Naphthalene	14.084	128	30950	7.381	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	12563	9.556	ug/L	97

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

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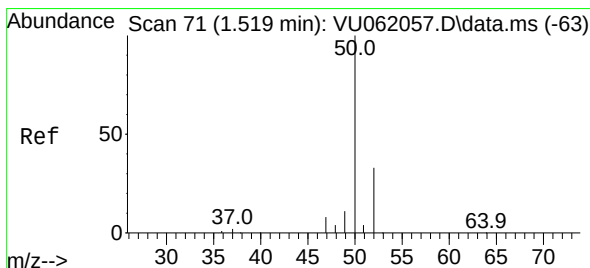
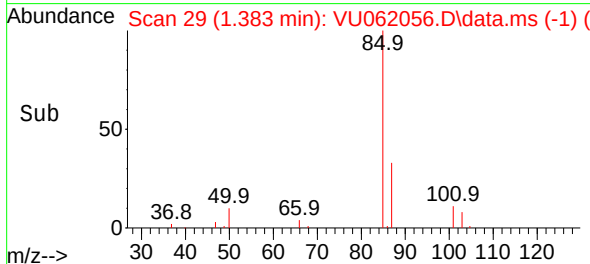
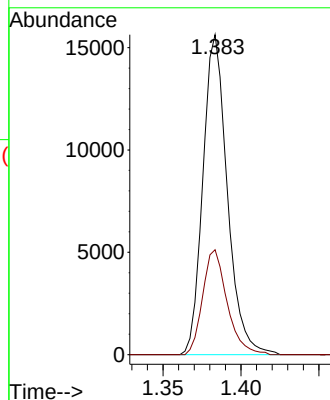
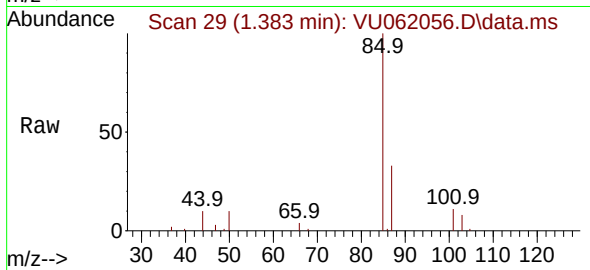




#2
Dichlorodifluoromethane
Concen: 13.031 ug/L
RT: 1.383 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

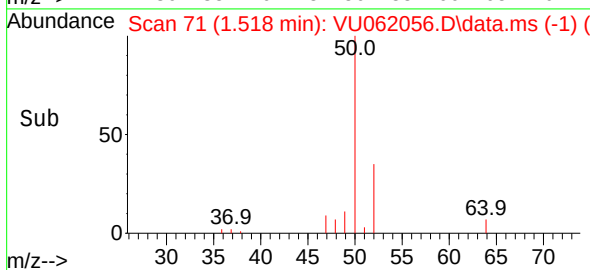
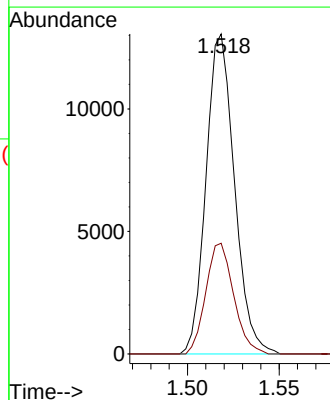
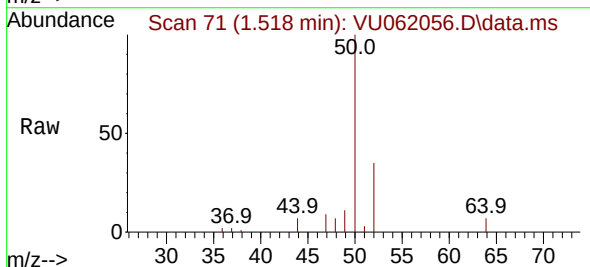
Instrument :
MSVOA_U
ClientSampleId :

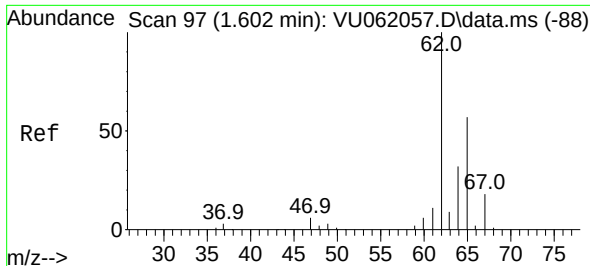
Tgt Ion: 85 Resp: 17002
Ion Ratio Lower Upper
85 100
87 32.8 26.0 39.0



#3
Chloromethane
Concen: 11.898 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

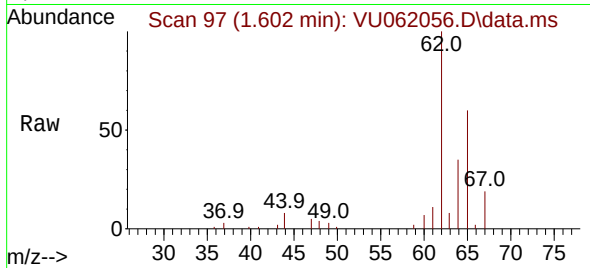
Tgt Ion: 50 Resp: 14094
Ion Ratio Lower Upper
50 100
52 34.6 23.3 43.3



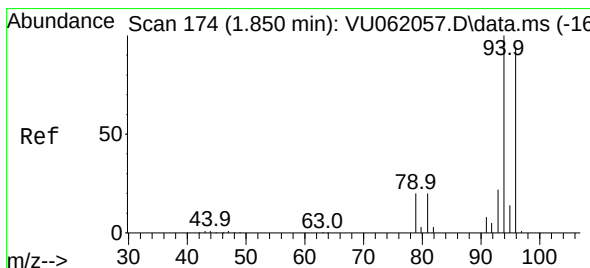
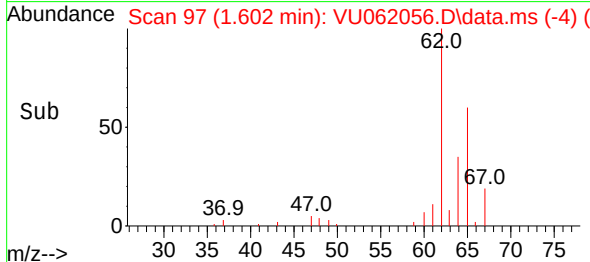
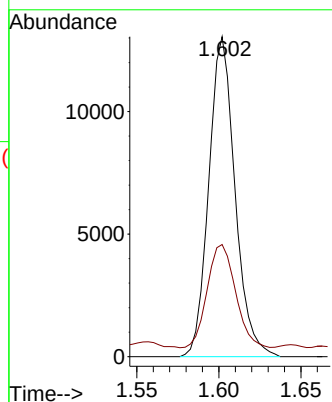


#5
 Vinyl chloride
 Concen: 11.552 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. -0.000 min
 Lab File: VU062056.D
 Acq: 27 Nov 2024 15:50

Instrument :
 MSVOA_U
 ClientSampleId :

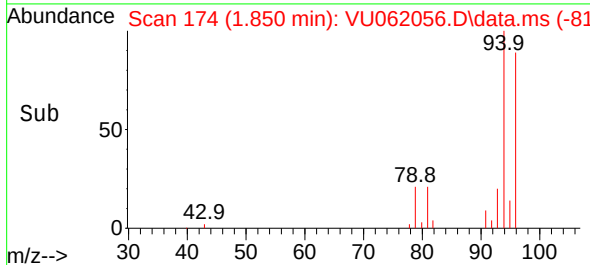
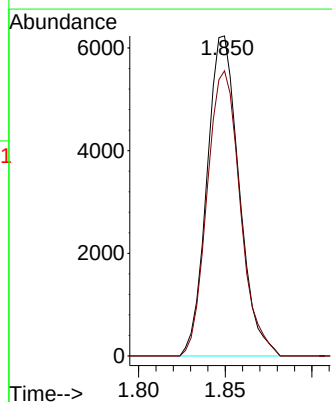
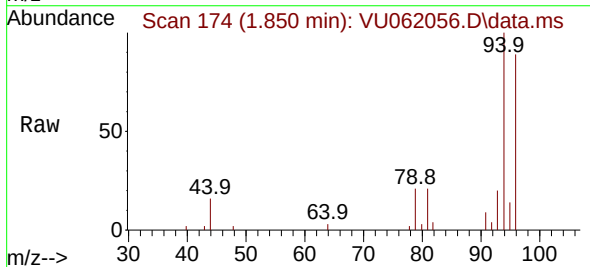


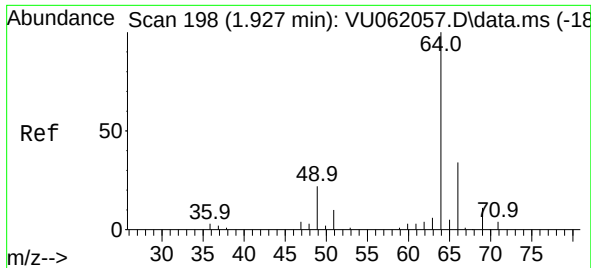
Tgt Ion: 62 Resp: 14493
 Ion Ratio Lower Upper
 62 100
 64 35.0 23.0 42.8



#6
 Bromomethane
 Concen: 9.187 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. -0.000 min
 Lab File: VU062056.D
 Acq: 27 Nov 2024 15:50

Tgt Ion: 94 Resp: 8060
 Ion Ratio Lower Upper
 94 100
 96 89.1 66.0 122.6

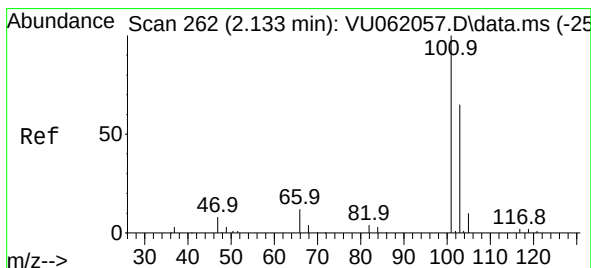
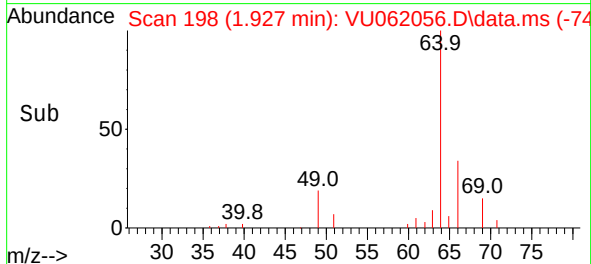
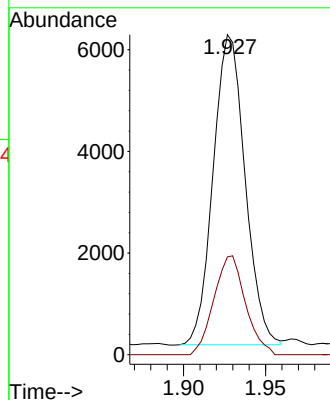
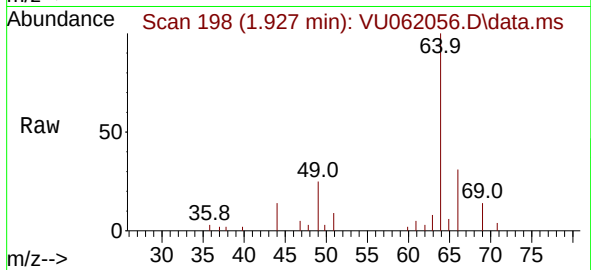




#8
Chloroethane
Concen: 10.213 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

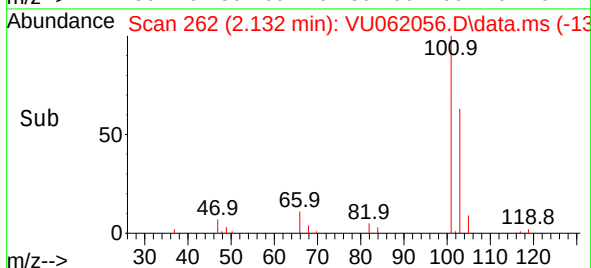
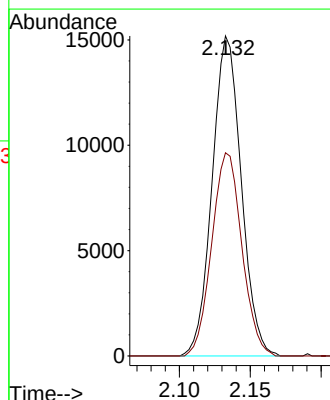
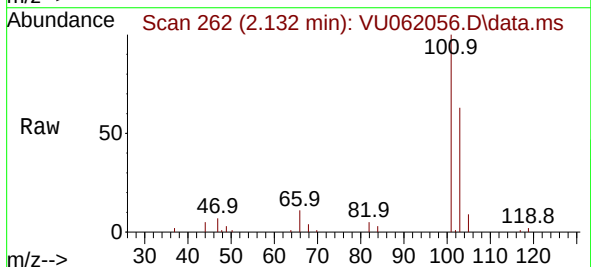
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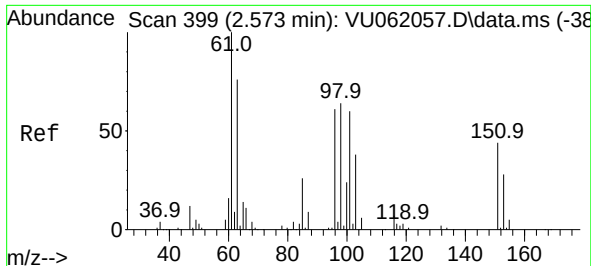
Tgt Ion: 64 Resp: 8238
Ion Ratio Lower Upper
64 100
66 30.6 23.7 44.1



#9
Trichlorofluoromethane
Concen: 12.002 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

Tgt Ion:101 Resp: 21698
Ion Ratio Lower Upper
101 100
103 65.6 52.9 79.3

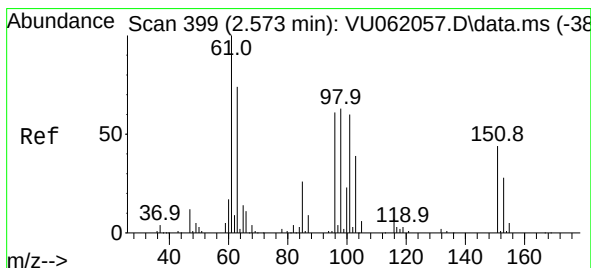
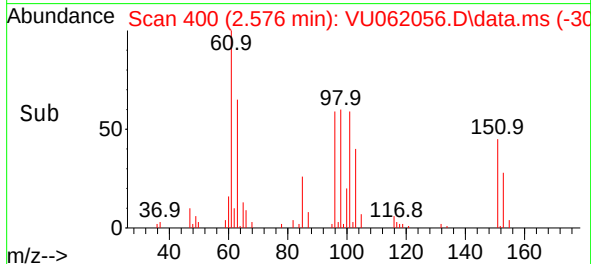
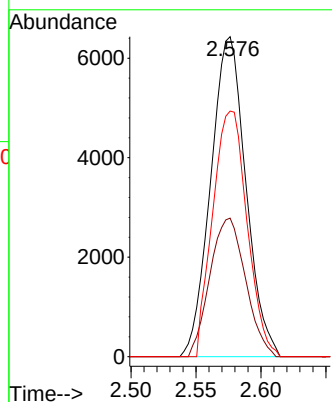
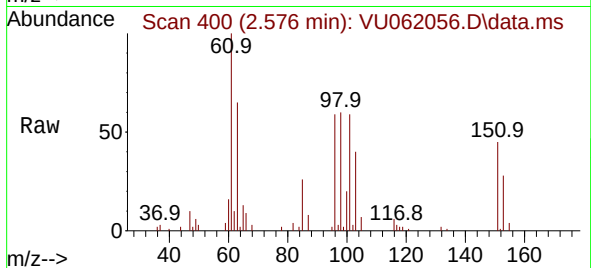




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.603 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU062056.D
 Acq: 27 Nov 2024 15:50

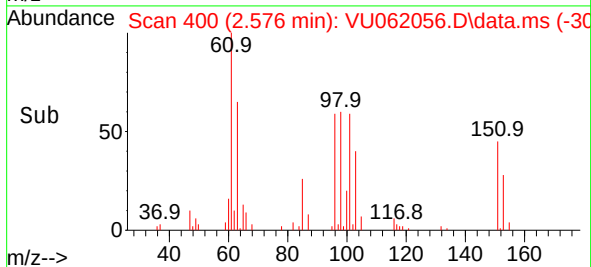
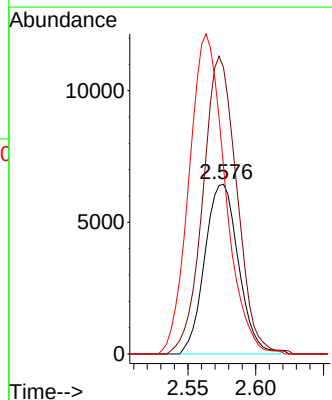
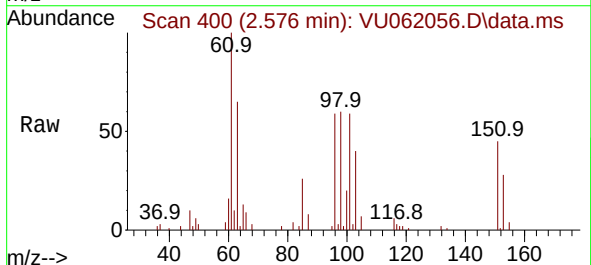
Instrument :
 MSVOA_U
 ClientSampleId :

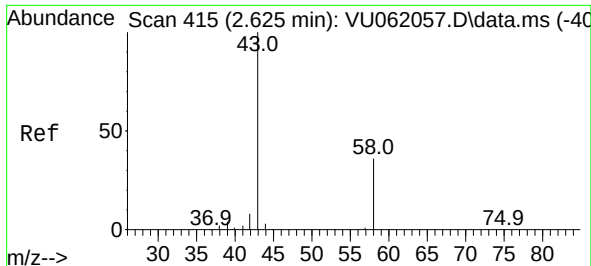
Tgt Ion:101 Resp: 12116
 Ion Ratio Lower Upper
 101 100
 85 43.8 34.7 52.1
 151 75.0 59.0 88.4



#12
 1,1-Dichloroethene
 Concen: 11.421 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU062056.D
 Acq: 27 Nov 2024 15:50

Tgt Ion: 96 Resp: 11134
 Ion Ratio Lower Upper
 96 100
 61 168.6 115.2 214.0
 63 110.2 89.3 165.9





#13

Acetone

Concen: 27.976 ug/L

RT: 2.624 min Scan# 415

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

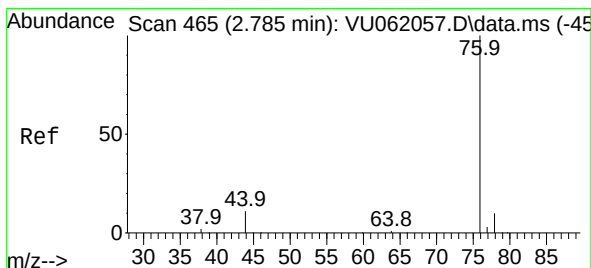
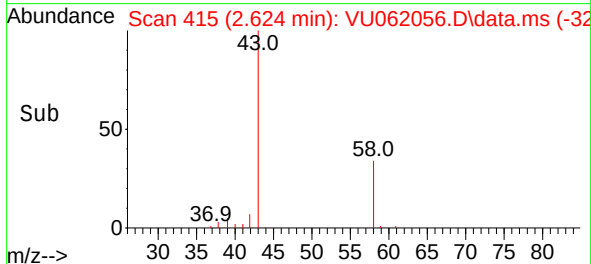
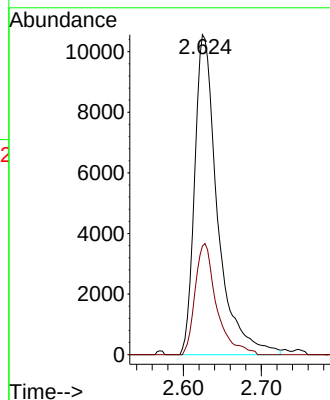
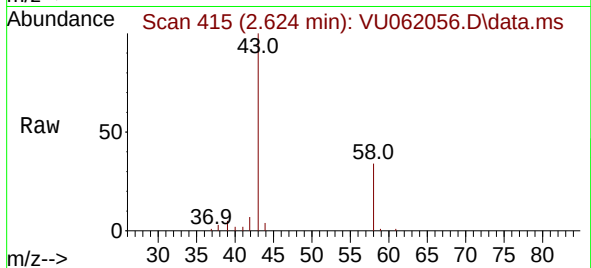
ClientSampleId :

Tgt Ion: 43 Resp: 21566

Ion Ratio Lower Upper

43 100

58 32.5 0.0 72.4



#14

Carbon disulfide

Concen: 10.970 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU062056.D

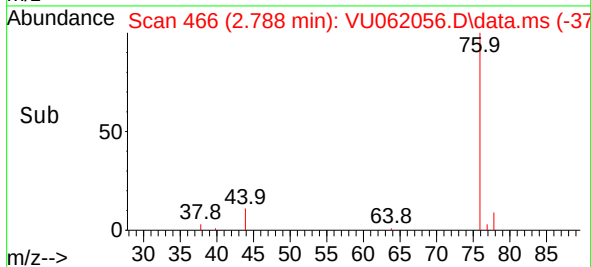
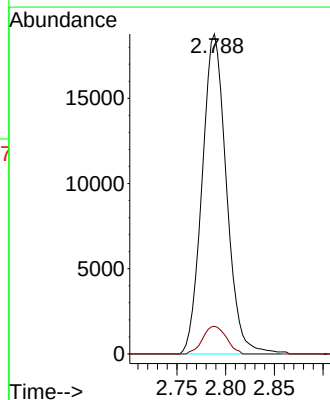
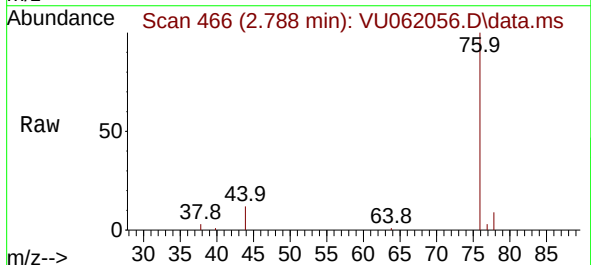
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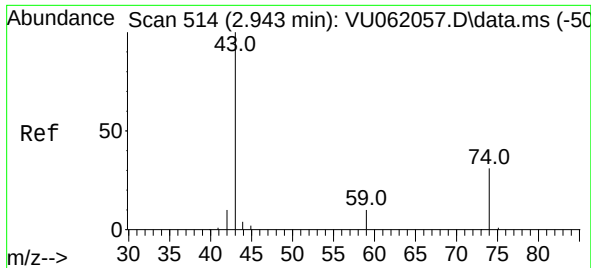
Tgt Ion: 76 Resp: 32573

Ion Ratio Lower Upper

76 100

78 8.7 7.8 11.6

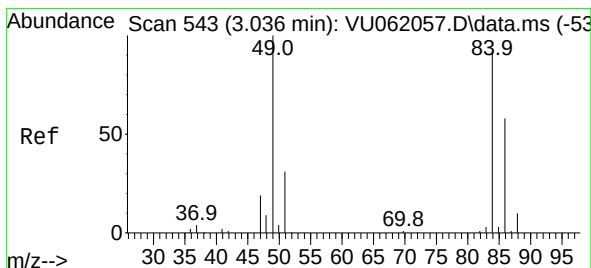
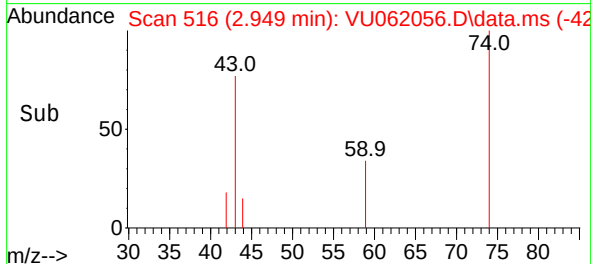
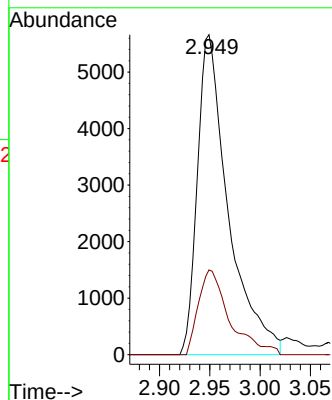
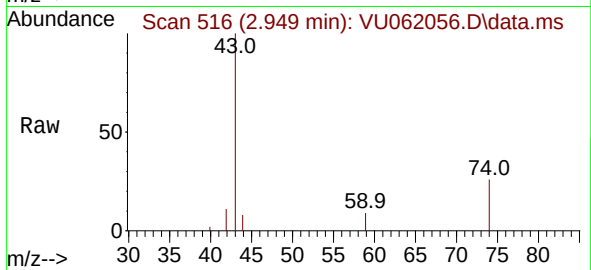




#15
Methyl Acetate
Concen: 10.363 ug/L
RT: 2.949 min Scan# 514
Delta R.T. 0.006 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

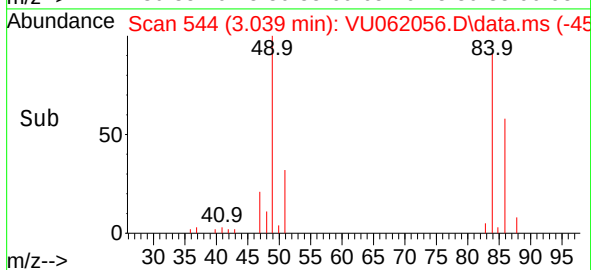
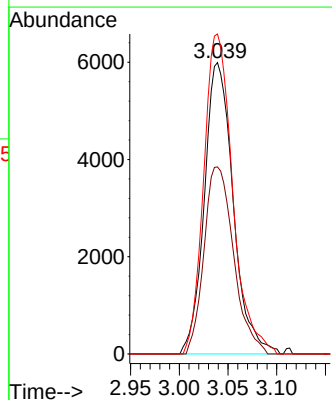
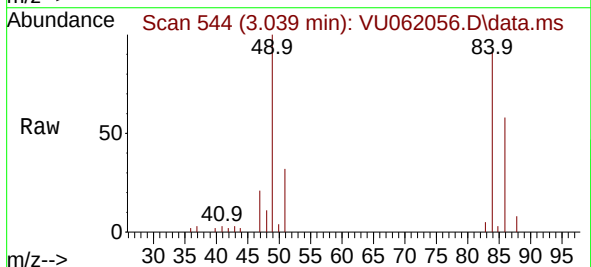
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MSVOA_U
ClientSampleId :

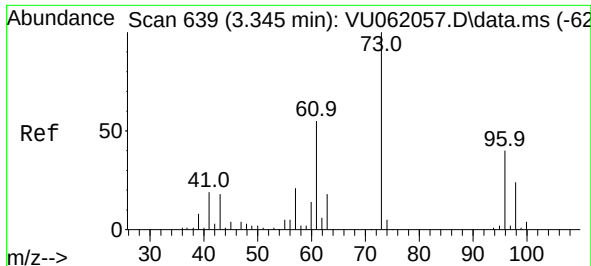
Tgt Ion: 43 Resp: 12083
Ion Ratio Lower Upper
43 100
74 26.0 23.4 35.2



#16
Methylene chloride
Concen: 10.357 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

Tgt Ion: 84 Resp: 12362
Ion Ratio Lower Upper
84 100
86 64.2 44.4 82.4
49 109.8 75.9 141.1

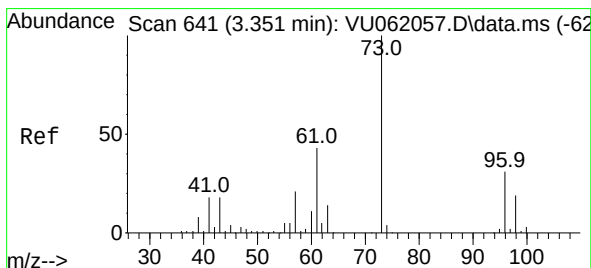
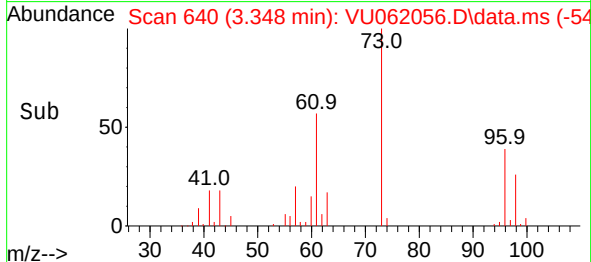
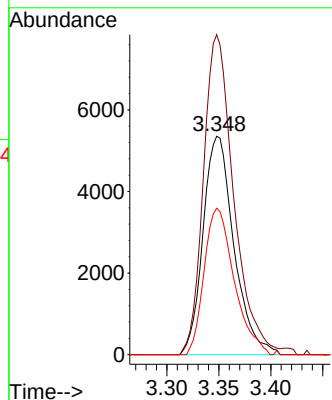
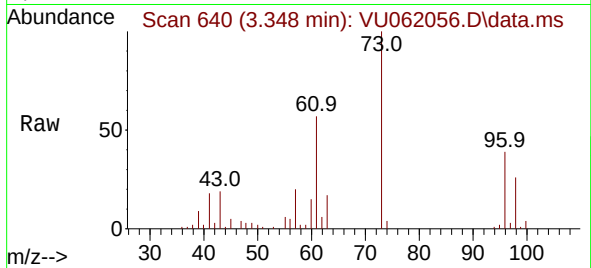




#17
trans-1,2-Dichloroethene
Concen: 10.480 ug/L
RT: 3.348 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

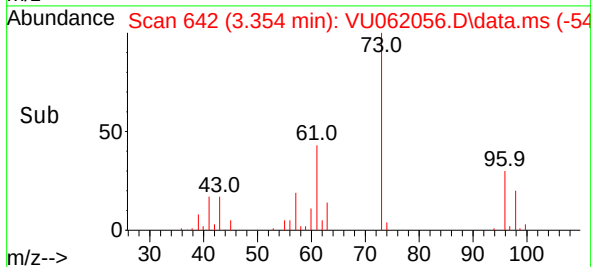
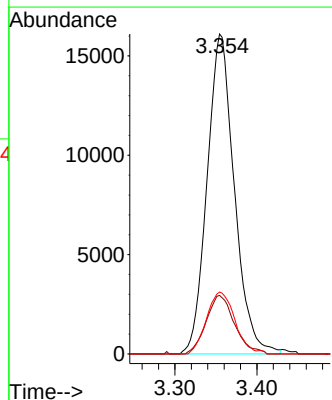
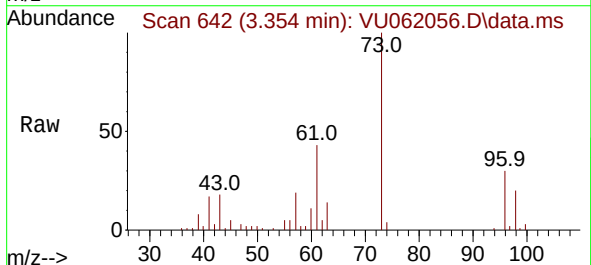
Instrument :
MSVOA_U
ClientSampleId :

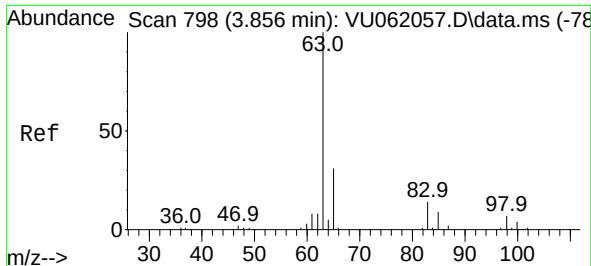
Tgt Ion: 96 Resp: 11076
Ion Ratio Lower Upper
96 100
61 146.5 96.2 178.6
98 67.1 42.7 79.3



#18
Methyl tert-butyl Ether
Concen: 10.292 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

Tgt Ion: 73 Resp: 37178
Ion Ratio Lower Upper
73 100
43 19.0 14.7 22.1
57 20.0 16.4 24.6





#19

1,1-Dichloroethane

Concen: 10.723 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU062056.D

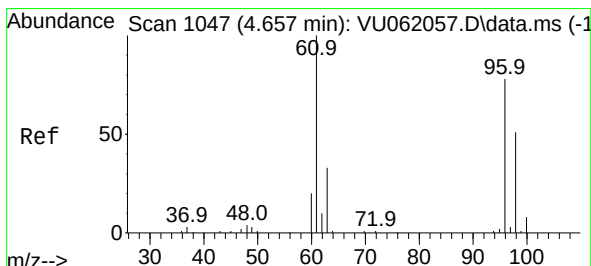
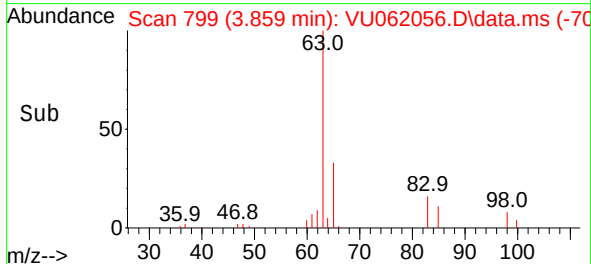
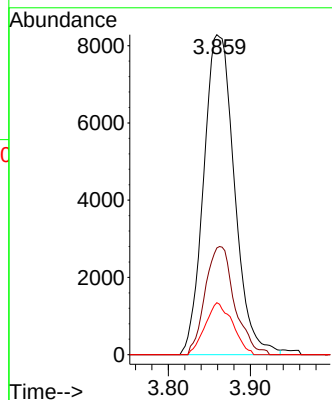
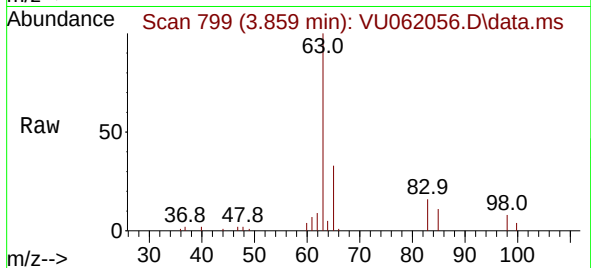
Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 21606
Ion Ratio	Lower Upper
63 100	
65 33.3	21.7 40.3
83 16.3	10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 10.174 ug/L

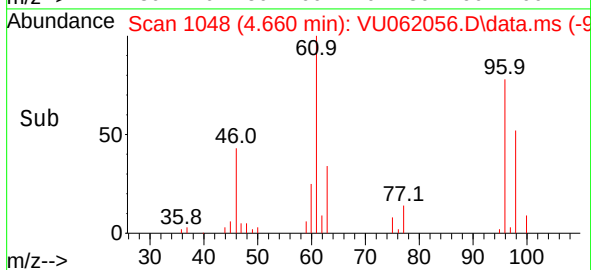
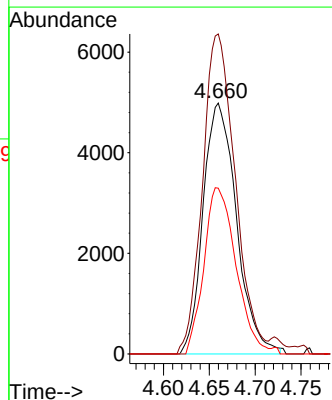
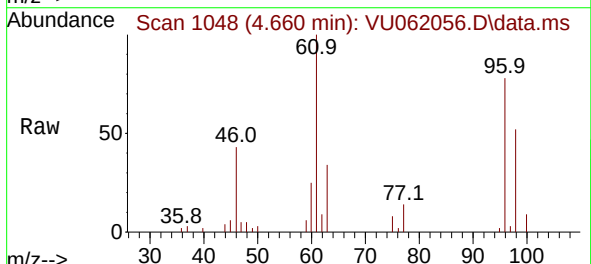
RT: 4.660 min Scan# 1048

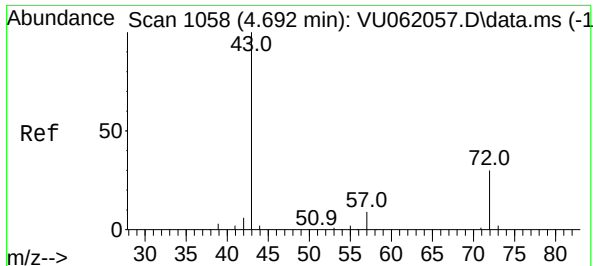
Delta R.T. 0.003 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Tgt Ion: 96	Resp: 12624
Ion Ratio	Lower Upper
96 100	
61 127.6	90.1 167.3
98 66.1	45.3 84.1

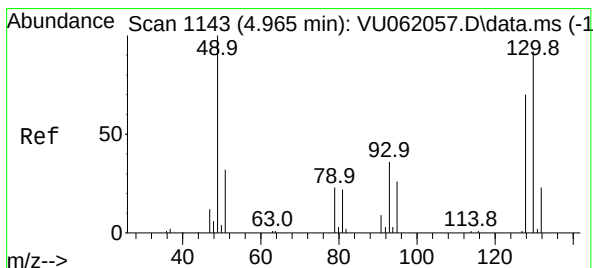
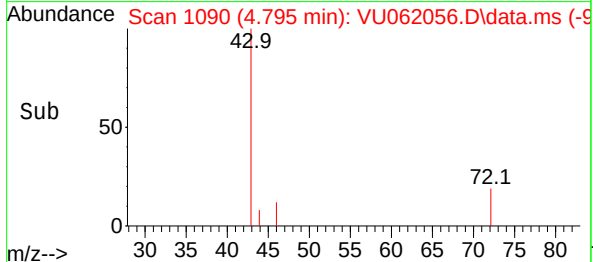
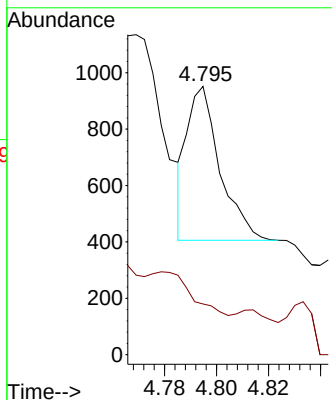
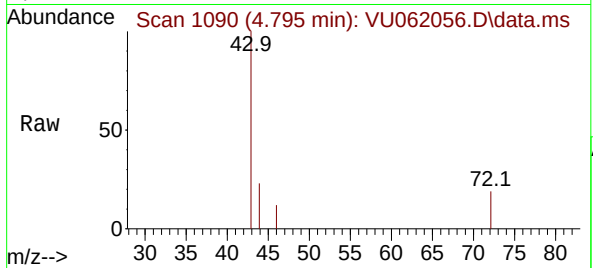




#22
2-Butanone
Concen: 0.504 ug/L
RT: 4.795 min Scan# 1090
Delta R.T. 0.103 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

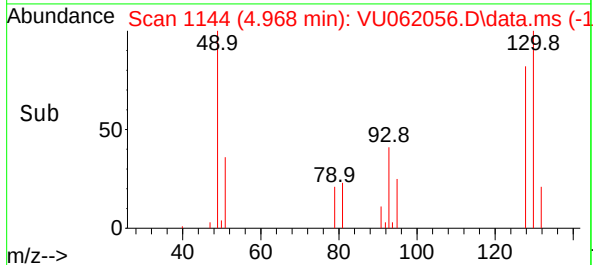
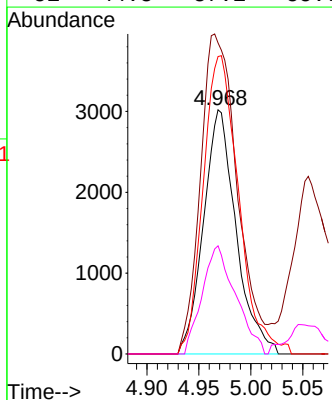
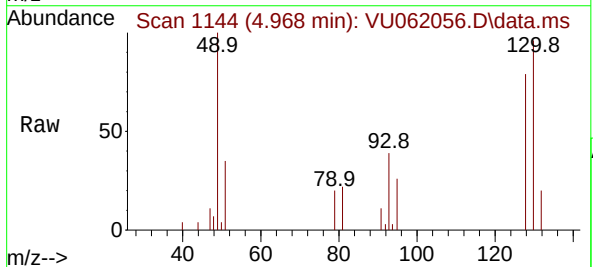
Instrument :
MSVOA_U
ClientSampleId :

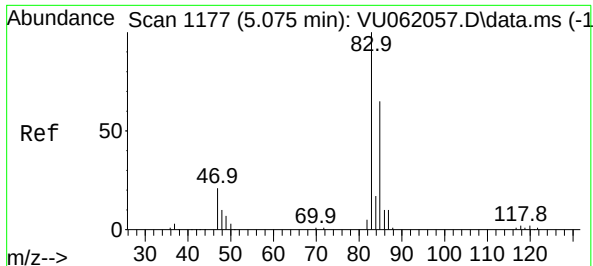
Tgt Ion: 43 Resp: 479
Ion Ratio Lower Upper
43 100
72 25.9 15.9 47.7



#23
Bromochloromethane
Concen: 10.446 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.003 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

Tgt Ion: 128 Resp: 6580
Ion Ratio Lower Upper
128 100
49 127.4 100.7 187.1
130 121.8 92.4 171.6
51 44.3 37.1 55.7





#25

Chloroform

Concen: 11.063 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

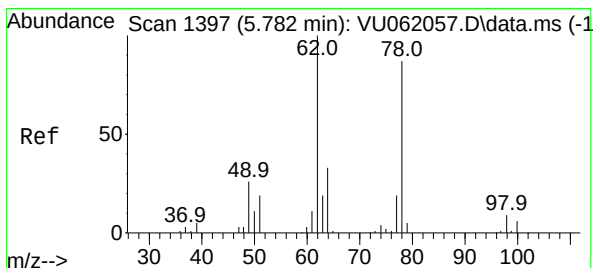
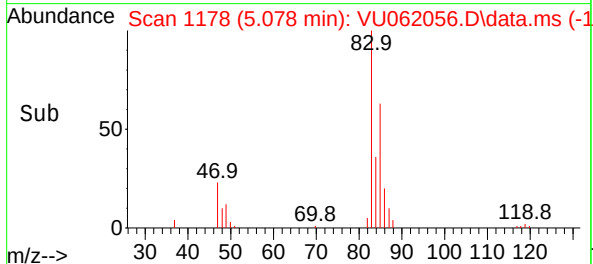
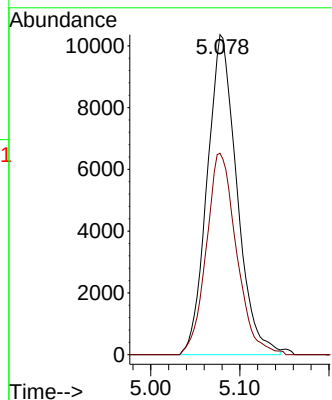
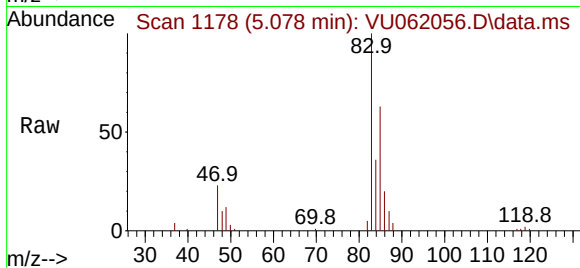
ClientSampleId :

Tgt Ion: 83 Resp: 23969

Ion Ratio Lower Upper

83 100

85 62.9 46.1 85.5



#27

1,2-Dichloroethane

Concen: 11.258 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VU062056.D

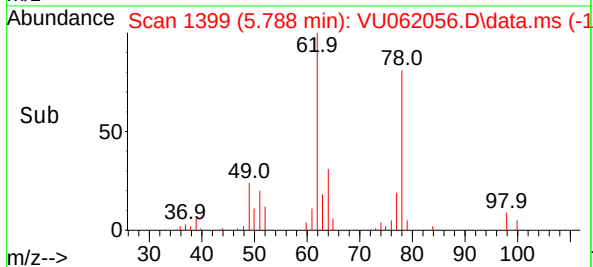
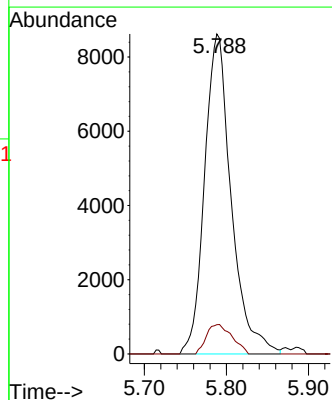
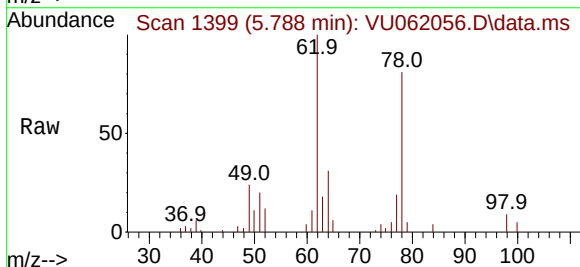
Acq: 27 Nov 2024 15:50

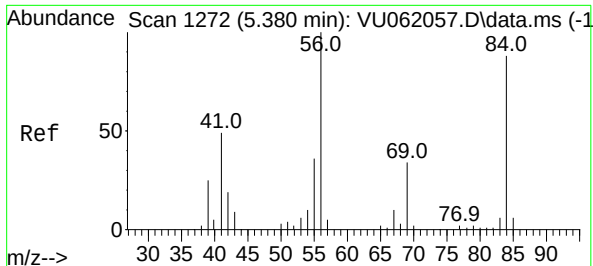
Tgt Ion: 62 Resp: 19456

Ion Ratio Lower Upper

62 100

98 9.2 7.4 11.0





#29

Cyclohexane

Concen: 10.139 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :

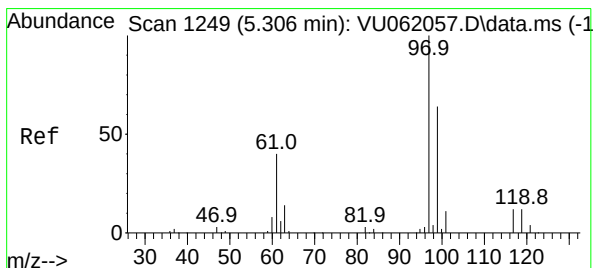
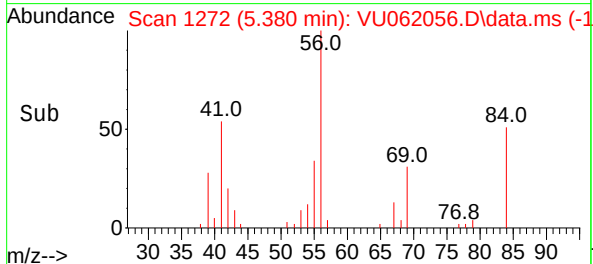
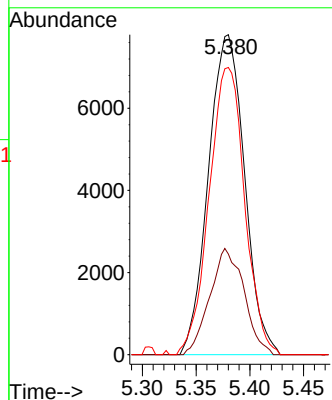
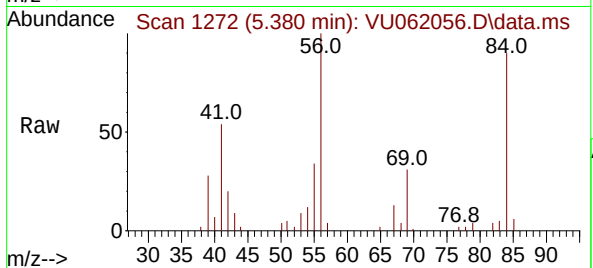
Tgt Ion: 56 Resp: 18189

Ion Ratio Lower Upper

56 100

69 31.4 27.1 40.7

84 88.5 72.1 108.1



#30

1,1,1-Trichloroethane

Concen: 11.053 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.003 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

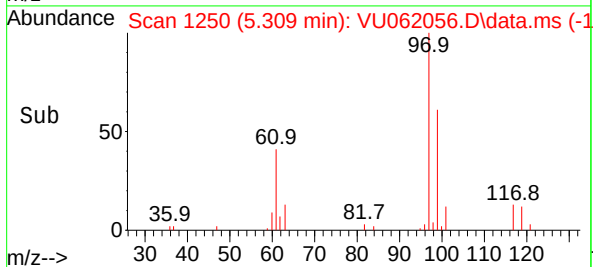
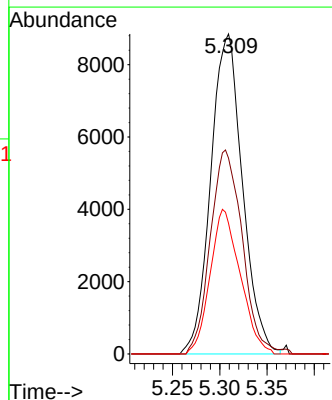
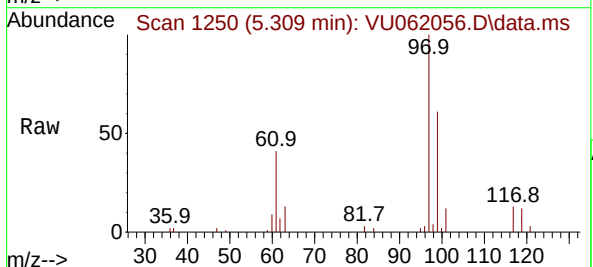
Tgt Ion: 97 Resp: 20668

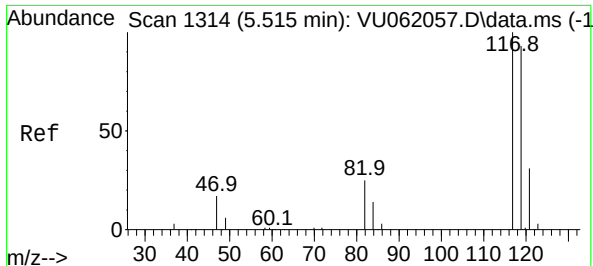
Ion Ratio Lower Upper

97 100

99 64.0 52.0 78.0

61 42.8 32.6 48.8

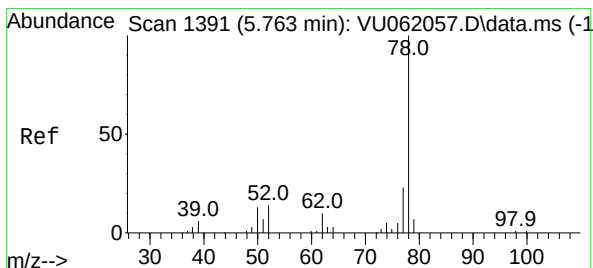
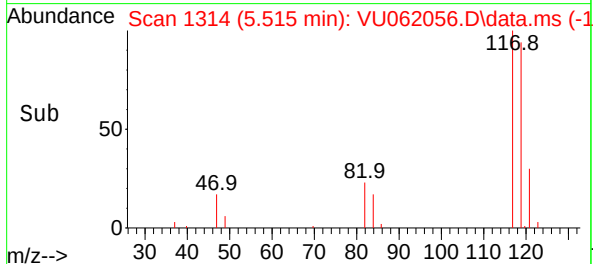
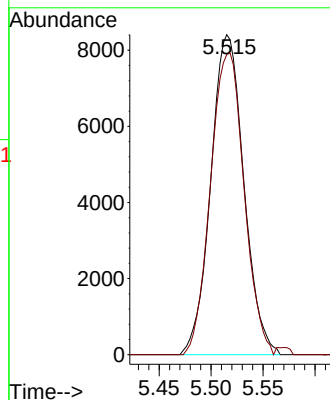
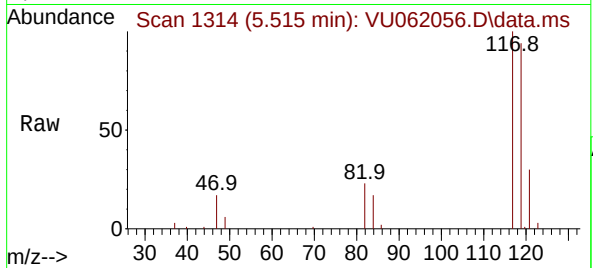




#31
Carbon tetrachloride
Concen: 11.423 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

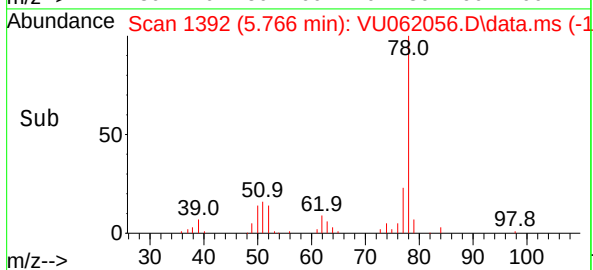
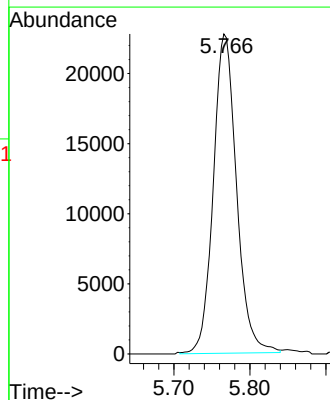
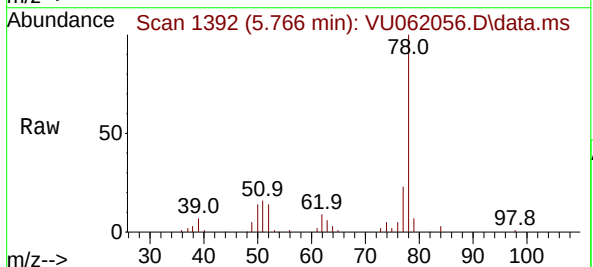
Instrument :
MSVOA_U
ClientSampleId :

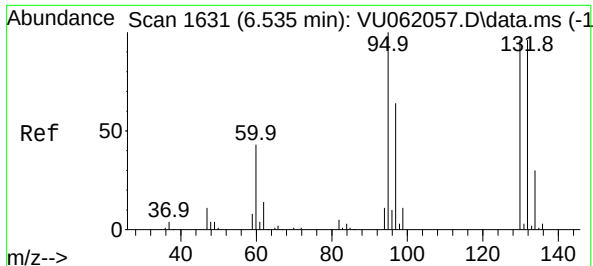
Tgt Ion:117 Resp: 18593
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.6



#33
Benzene
Concen: 10.231 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

Tgt Ion: 78 Resp: 48389





#34

Trichloroethene

Concen: 10.468 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 13048

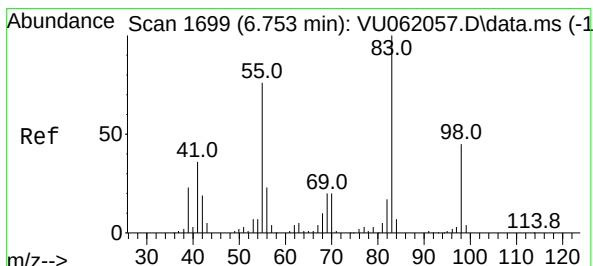
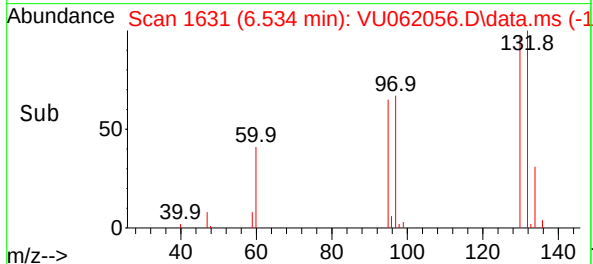
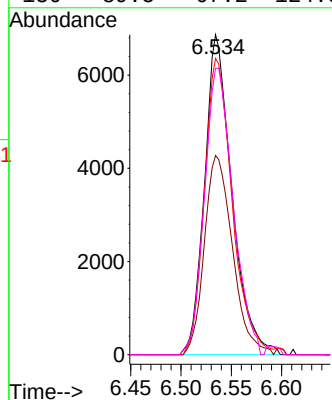
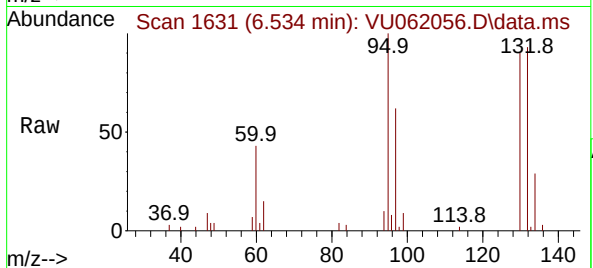
Ion Ratio Lower Upper

95 100

97 62.2 44.6 82.8

132 94.7 67.3 124.9

130 89.5 67.2 124.8



#35

Methylcyclohexane

Concen: 9.940 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

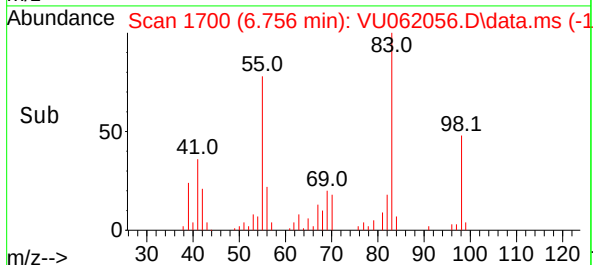
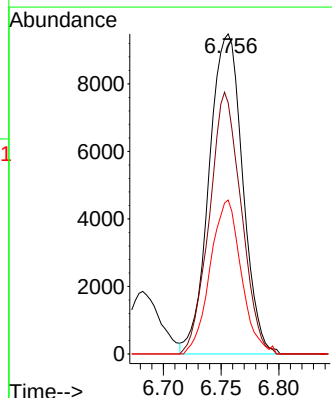
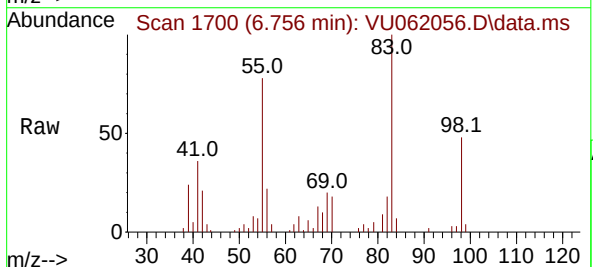
Tgt Ion: 83 Resp: 19152

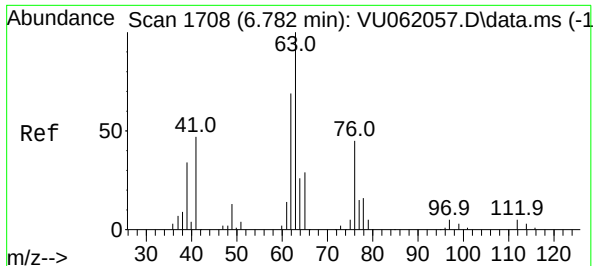
Ion Ratio Lower Upper

83 100

55 77.5 60.1 90.1

98 44.3 35.8 53.8

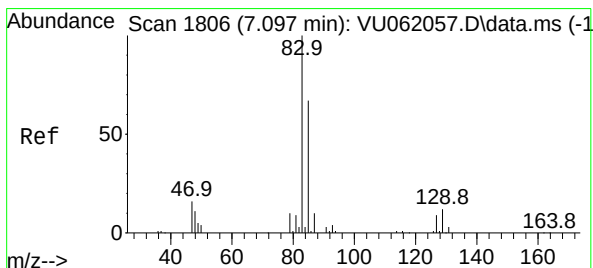
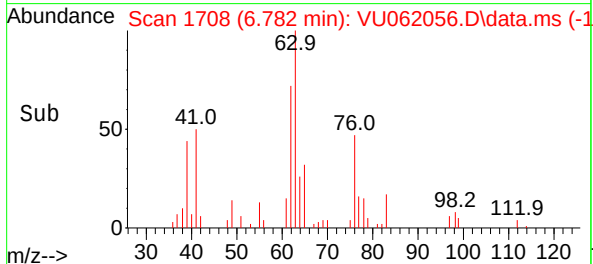
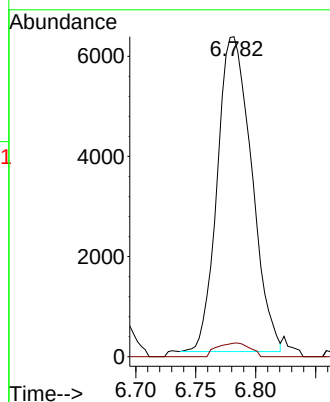
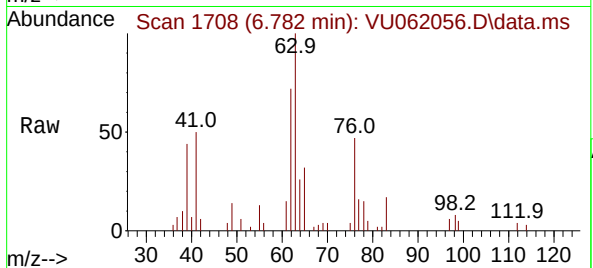




#37
1,2-Dichloropropane
Concen: 9.980 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

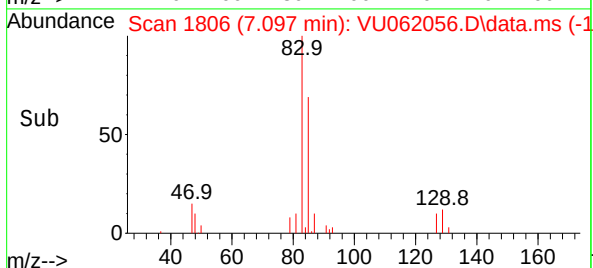
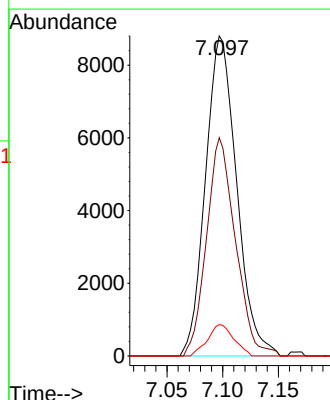
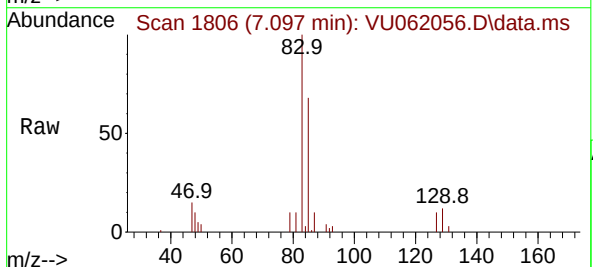
Instrument :
MSVOA_U
ClientSampleId :

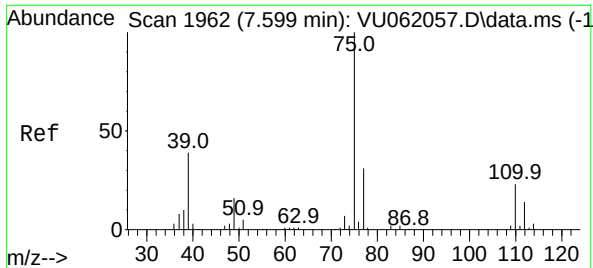
Tgt Ion: 63 Resp: 12528
Ion Ratio Lower Upper
63 100
112 4.1 3.1 4.7



#38
Bromodichloromethane
Concen: 10.596 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

Tgt Ion: 83 Resp: 17120
Ion Ratio Lower Upper
83 100
85 68.2 46.8 87.0
127 9.8 6.8 10.2

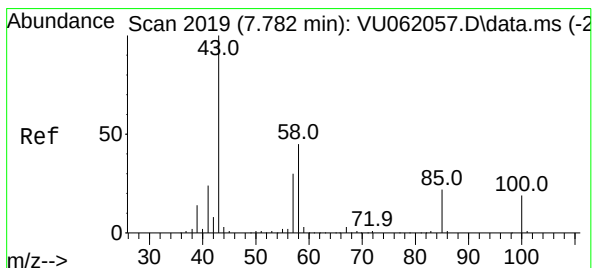
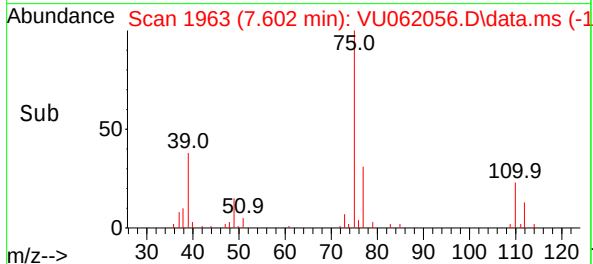
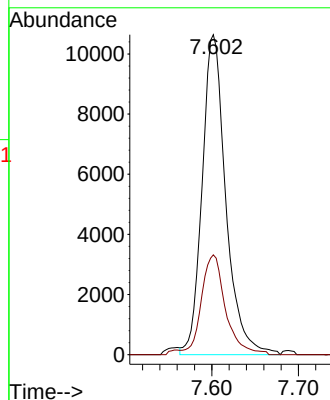
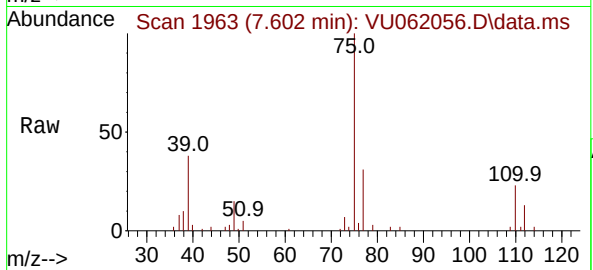




#39
 cis-1,3-Dichloropropene
 Concen: 10.090 ug/L
 RT: 7.602 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: VU062056.D
 Acq: 27 Nov 2024 15:50

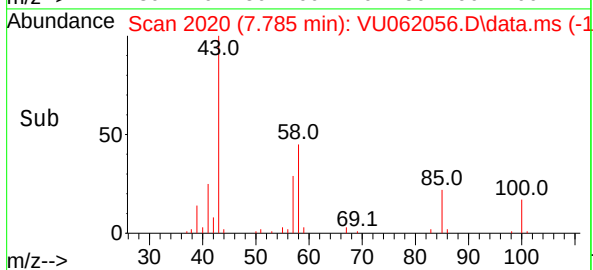
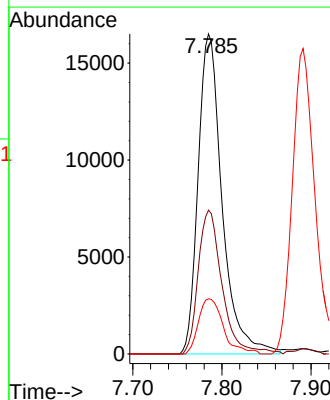
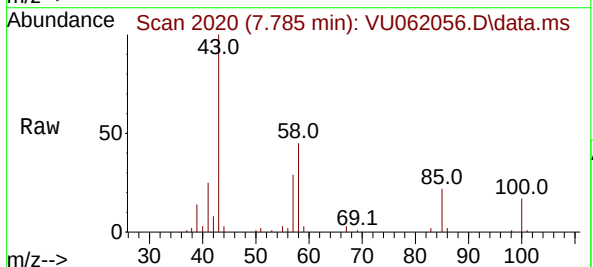
Instrument :
 MSVOA_U
 ClientSampleId :

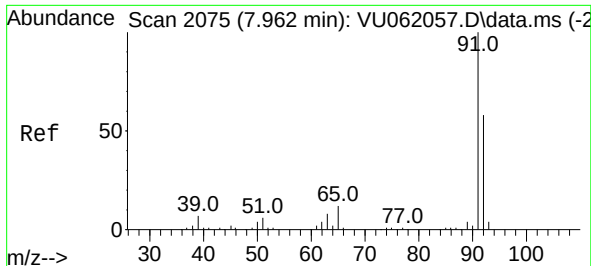
Tgt Ion: 75 Resp: 20227
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 18.359 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.003 min
 Lab File: VU062056.D
 Acq: 27 Nov 2024 15:50

Tgt Ion: 43 Resp: 30937
 Ion Ratio Lower Upper
 43 100
 58 43.8 35.7 53.5
 100 17.5 14.6 21.8





#42

Toluene

Concen: 9.830 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

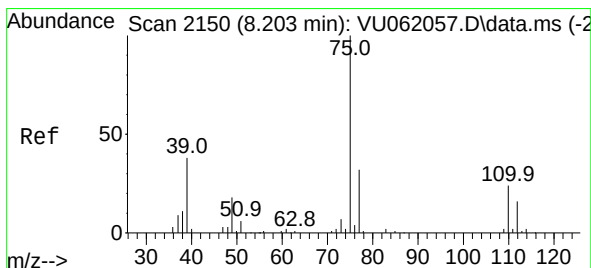
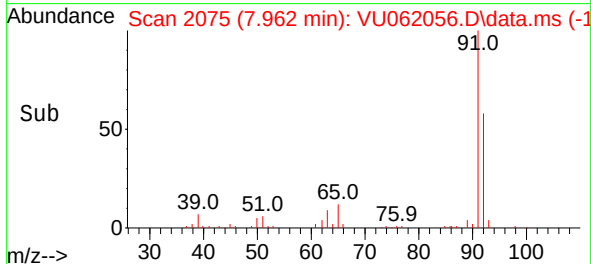
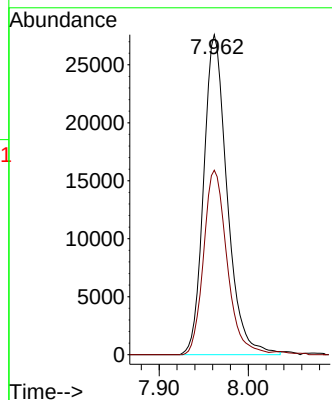
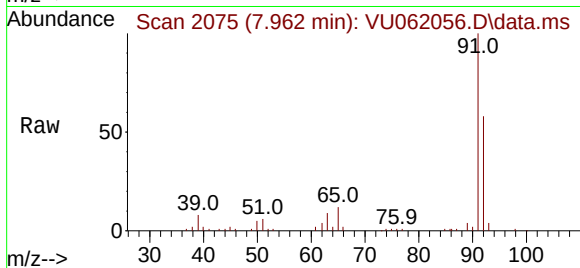
ClientSampleId :

Tgt Ion: 91 Resp: 50540

Ion Ratio Lower Upper

91 100

92 57.7 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 9.468 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU062056.D

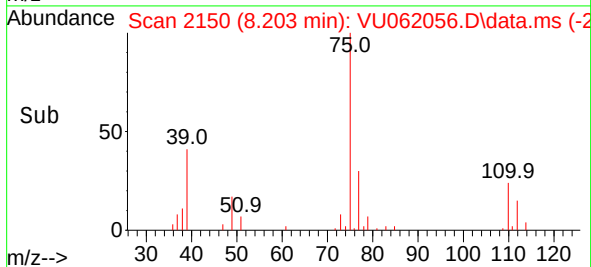
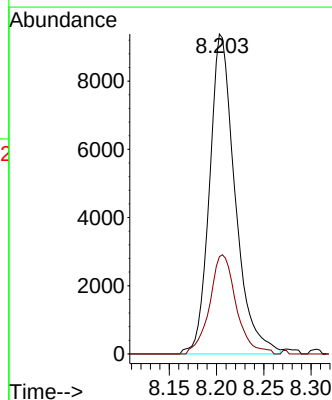
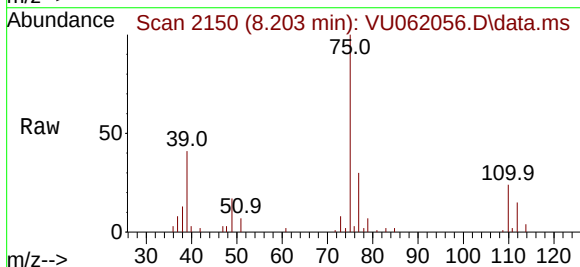
Acq: 27 Nov 2024 15:50

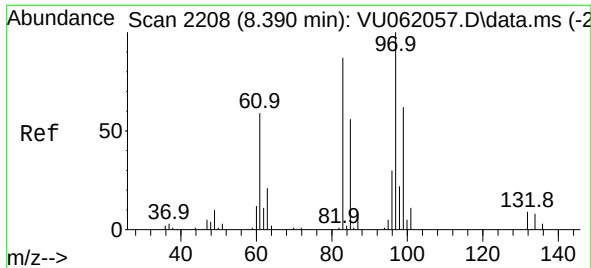
Tgt Ion: 75 Resp: 17654

Ion Ratio Lower Upper

75 100

77 30.4 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 10.463 ug/L

RT: 8.389 min Scan# 2208

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 13167

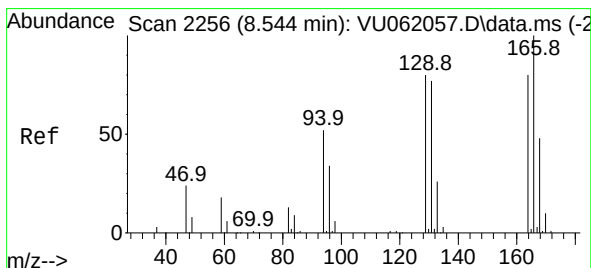
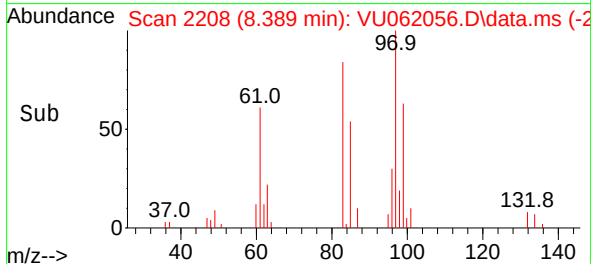
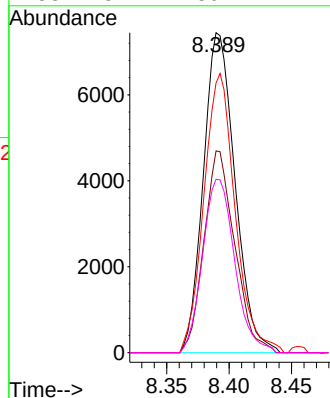
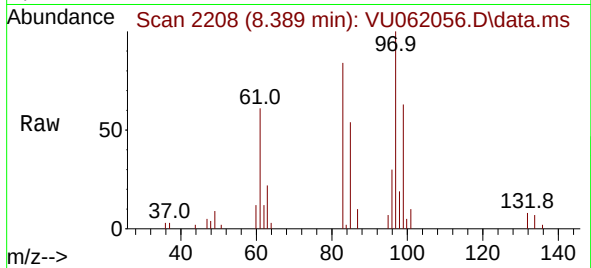
Ion Ratio Lower Upper

97 100

99 63.0 43.5 80.7

83 84.2 60.8 113.0

85 54.2 39.2 72.8



#46

Tetrachloroethene

Concen: 10.475 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Tgt Ion:164 Resp: 9567

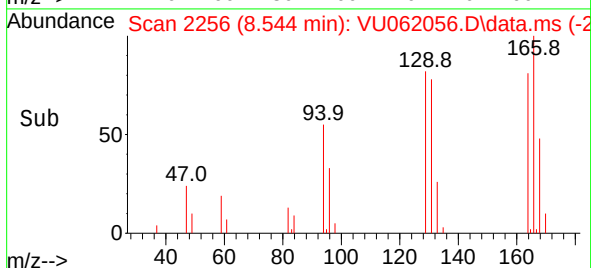
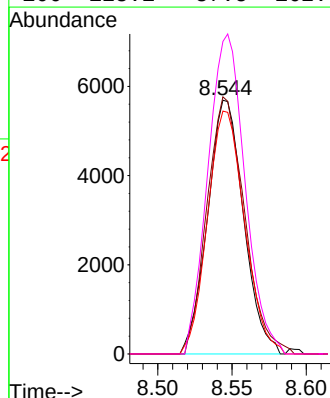
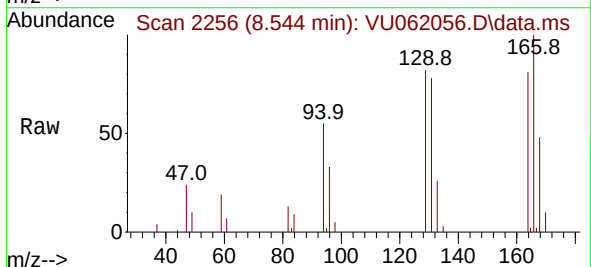
Ion Ratio Lower Upper

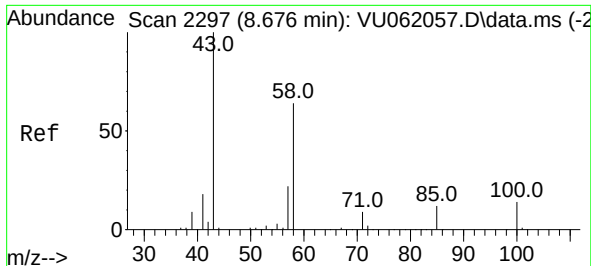
164 100

129 98.9 70.4 130.8

131 93.5 67.8 125.8

166 123.1 87.5 162.5





#48

2-Hexanone

Concen: 18.665 ug/L

RT: 8.679 min Scan# 2297

Delta R.T. 0.003 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 25549

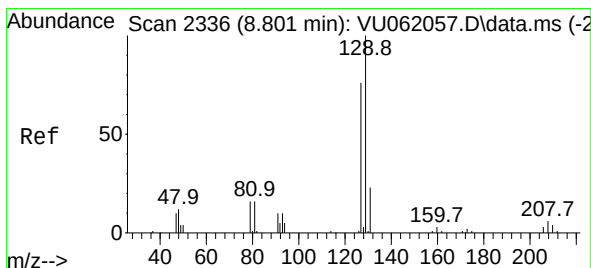
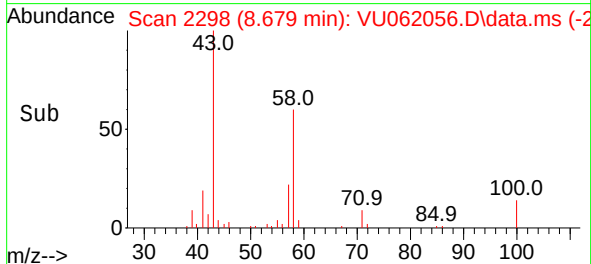
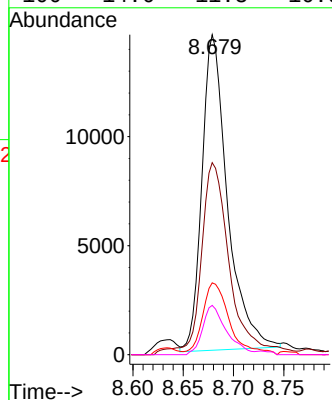
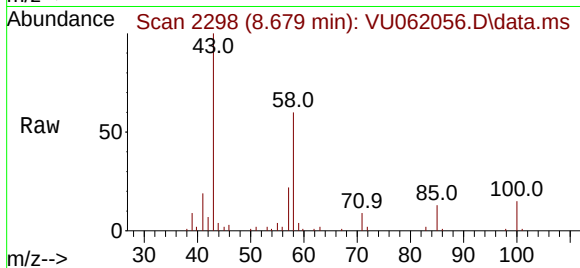
Ion Ratio Lower Upper

43 100

58 66.6 51.7 77.5

57 24.0 18.5 27.7

100 14.6 11.3 16.9



#49

Dibromochloromethane

Concen: 10.325 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU062056.D

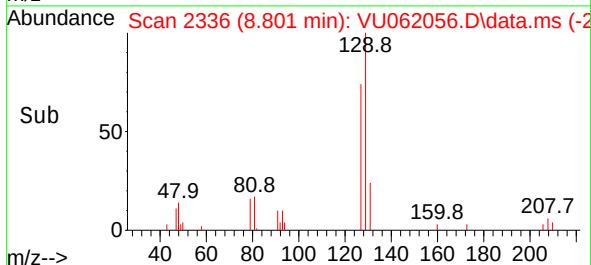
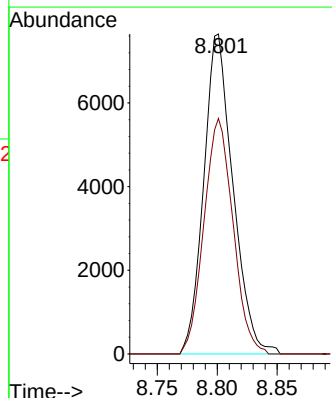
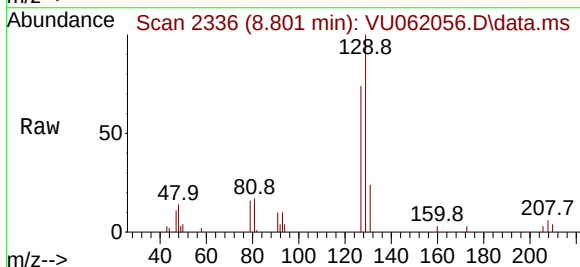
Acq: 27 Nov 2024 15:50

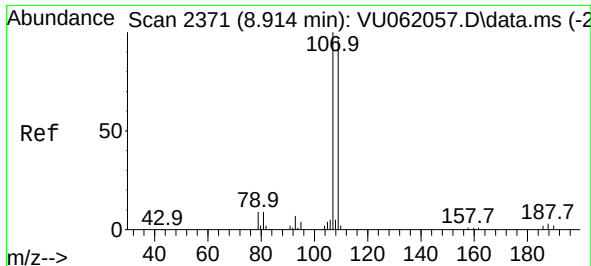
Tgt Ion:129 Resp: 12989

Ion Ratio Lower Upper

129 100

127 73.6 53.3 99.1





#50

1,2-Dibromoethane

Concen: 10.430 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.003 min

Lab File: VU062056.D

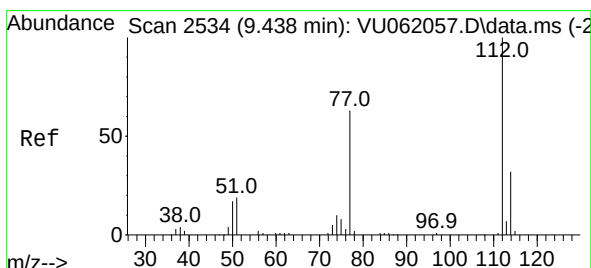
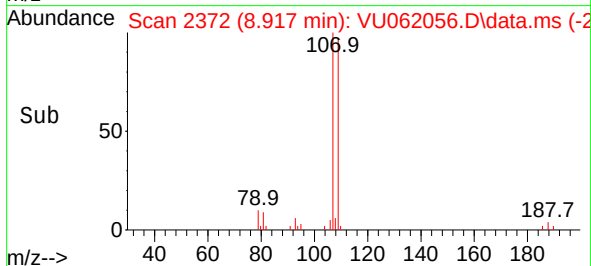
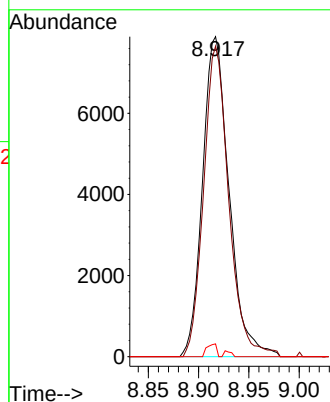
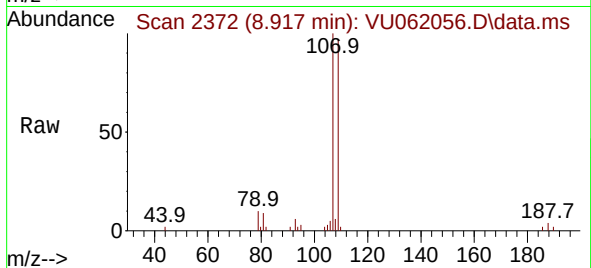
Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	14468
Ion Ratio	Lower	Upper
107	100	
109	97.0	67.1 124.7
188	4.0	2.6 4.0#



#51

Chlorobenzene

Concen: 9.987 ug/L

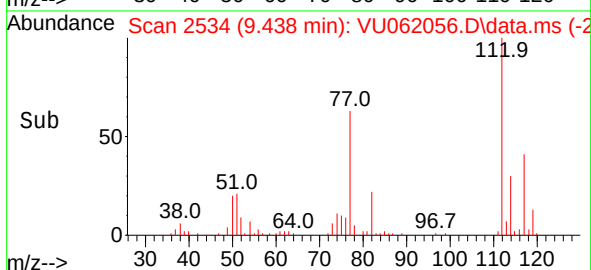
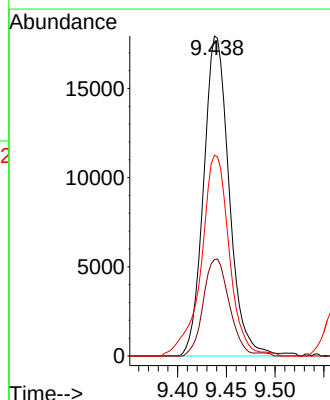
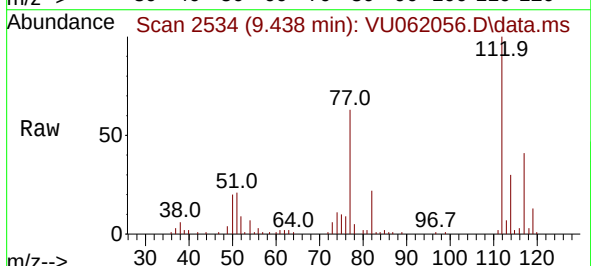
RT: 9.438 min Scan# 2534

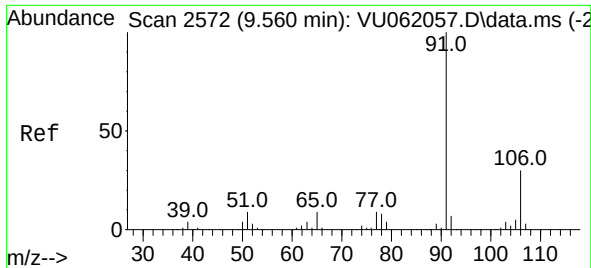
Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Tgt Ion:112	Resp:	32718
Ion Ratio	Lower	Upper
112	100	
114	32.2	22.0 41.0
77	62.8	50.8 76.2

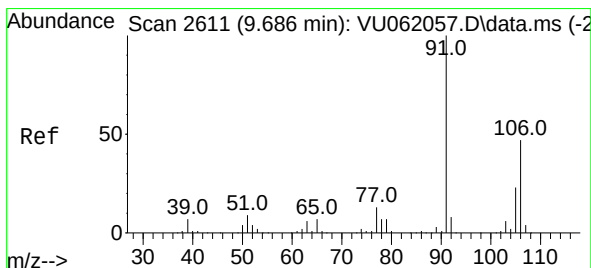
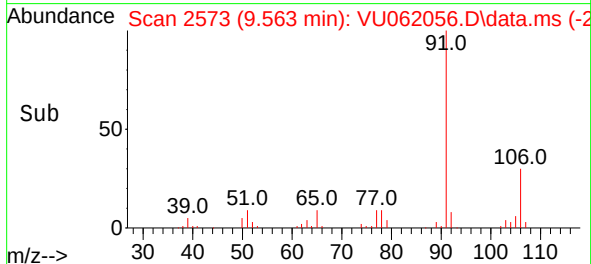
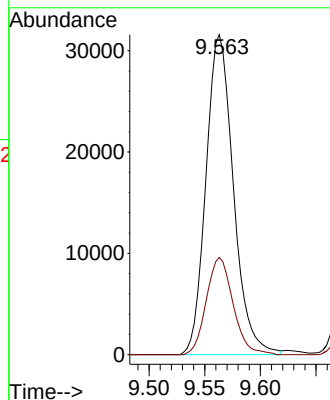
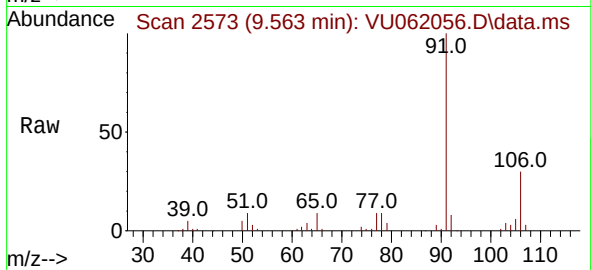




#52
Ethylbenzene
Concen: 9.710 ug/L
RT: 9.563 min Scan# 2572
Delta R.T. 0.003 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

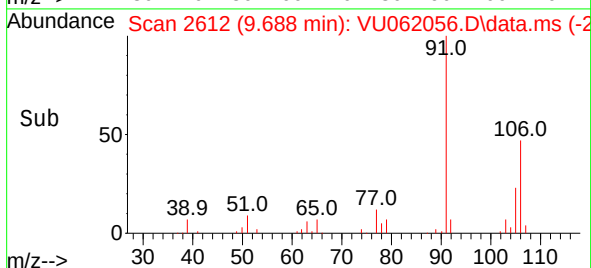
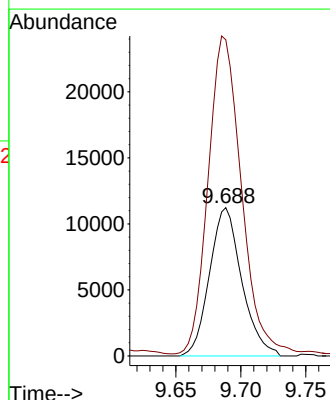
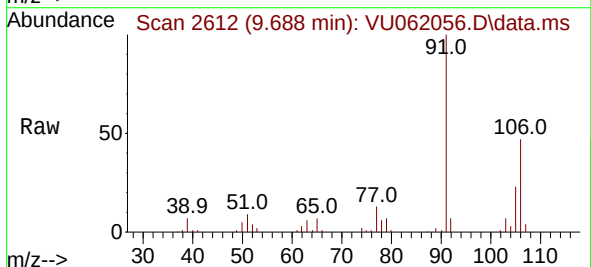
Instrument :
MSVOA_U
ClientSampleId :

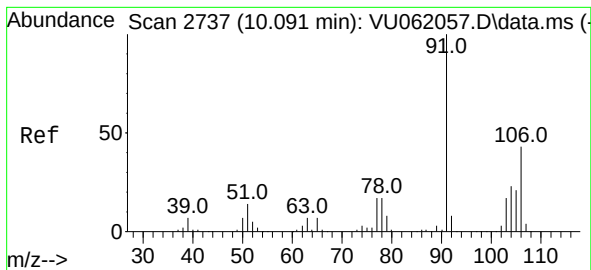
Tgt Ion: 91 Resp: 54212
Ion Ratio Lower Upper
91 100
106 30.4 20.8 38.6



#53
m,p-Xylene
Concen: 9.133 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

Tgt Ion:106 Resp: 19362
Ion Ratio Lower Upper
106 100
91 213.3 147.9 274.7





#54

o-Xylene

Concen: 9.412 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

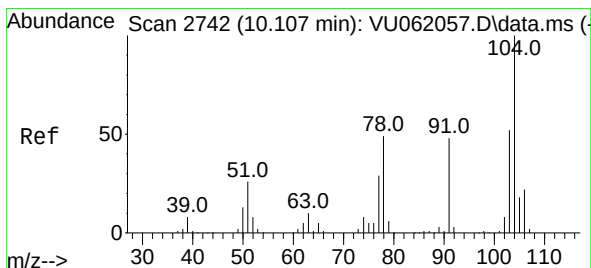
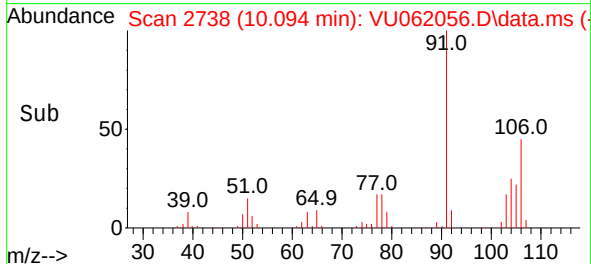
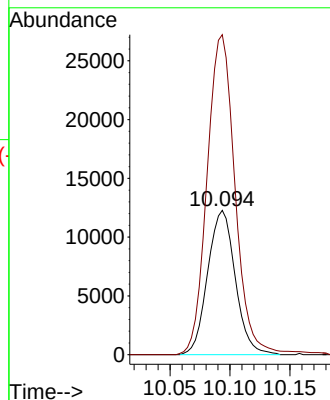
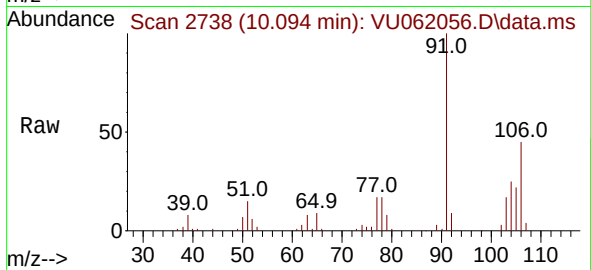
ClientSampleId :

Tgt Ion:106 Resp: 19657

Ion Ratio Lower Upper

106 100

91 221.8 161.0 299.0



#55

Styrene

Concen: 9.237 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.003 min

Lab File: VU062056.D

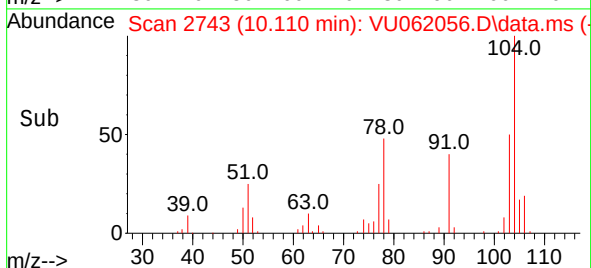
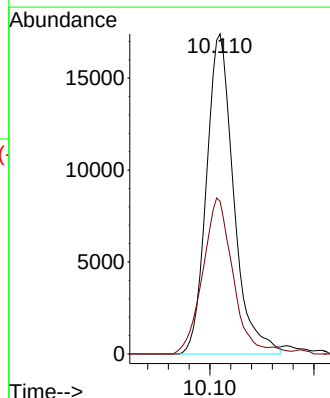
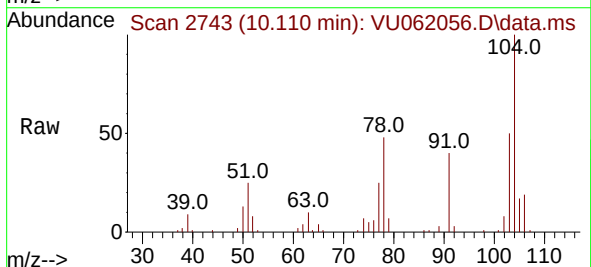
Acq: 27 Nov 2024 15:50

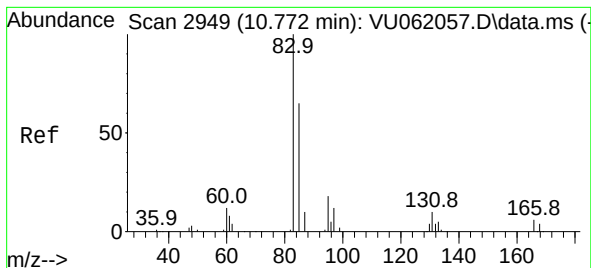
Tgt Ion:104 Resp: 31683

Ion Ratio Lower Upper

104 100

78 47.7 34.5 64.1





#57

1,1,2,2-Tetrachloroethane

Concen: 10.057 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :

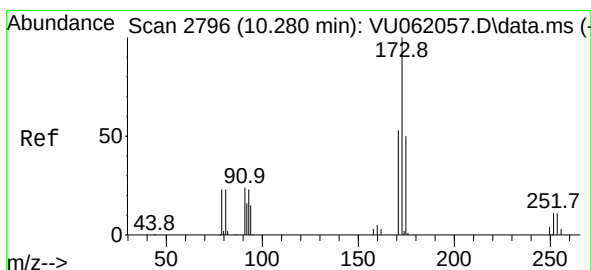
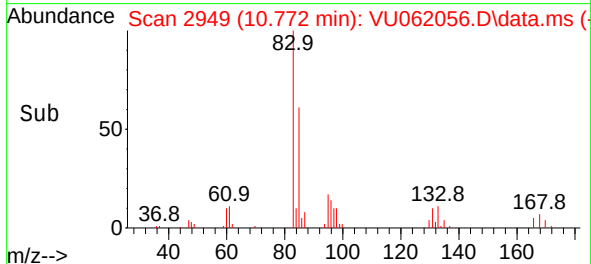
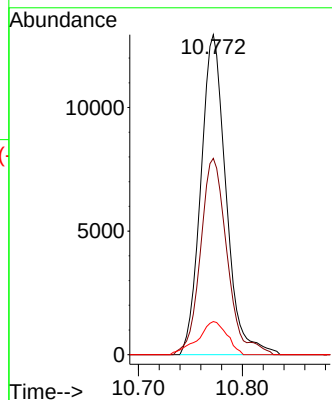
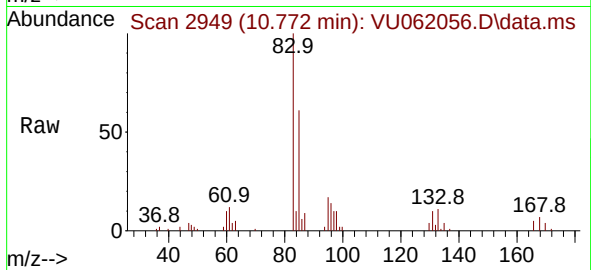
Tgt Ion: 83 Resp: 21761

Ion Ratio Lower Upper

83 100

85 61.4 46.5 86.3

131 10.4 8.4 12.6



#59

Bromoform

Concen: 10.384 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.003 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

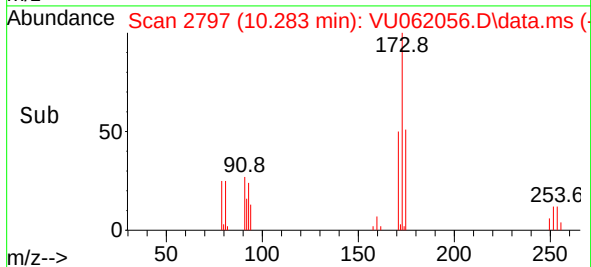
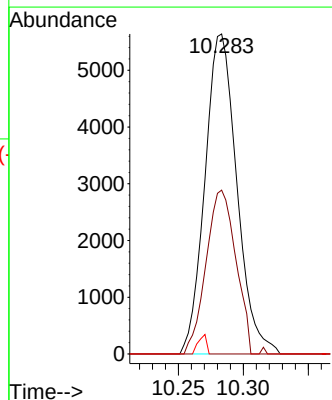
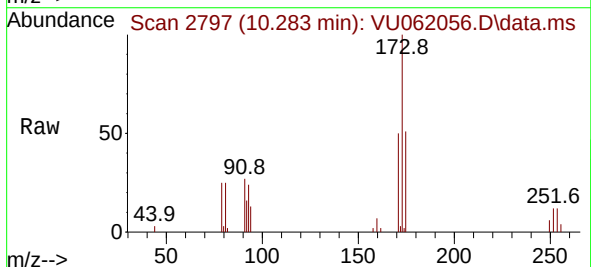
Tgt Ion:173 Resp: 9633

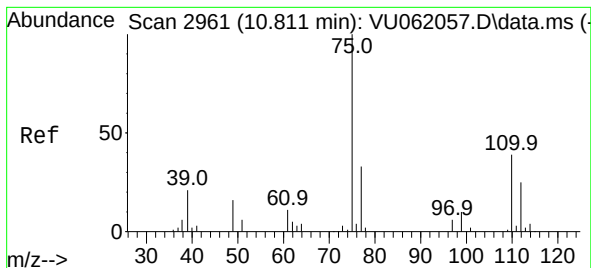
Ion Ratio Lower Upper

173 100

175 47.7 39.2 58.8

254 1.6 1.7 2.5#





#60

1,2,3-Trichloropropane

Concen: 10.354 ug/L

RT: 10.814 min Scan# 2961

Delta R.T. 0.003 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :

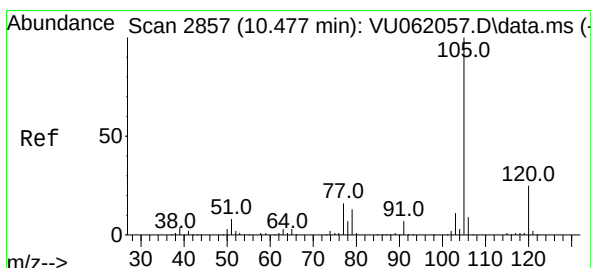
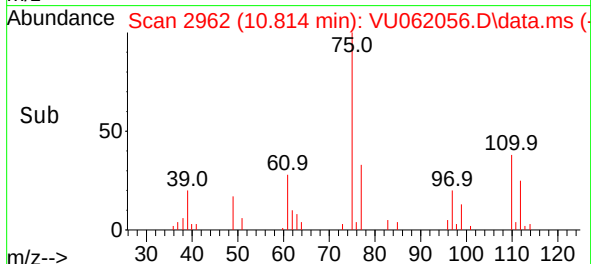
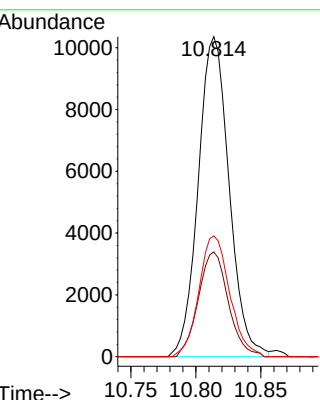
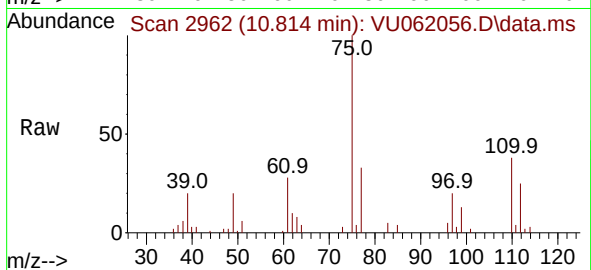
Tgt Ion: 75 Resp: 17113

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.4

110 37.6 30.7 46.1



#61

Isopropylbenzene

Concen: 9.872 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

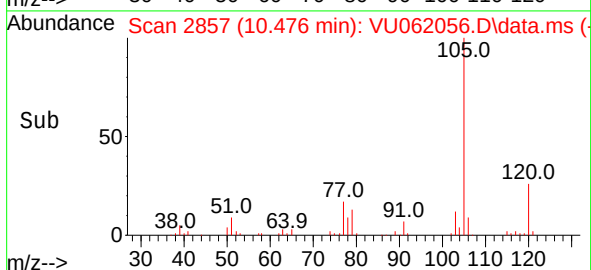
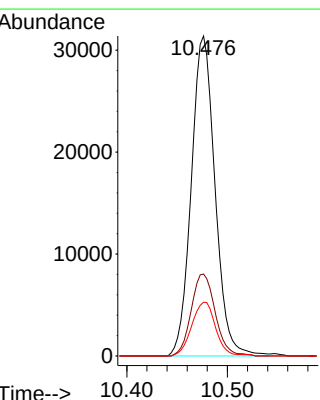
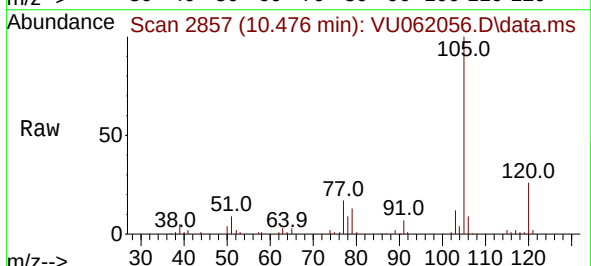
Tgt Ion:105 Resp: 51477

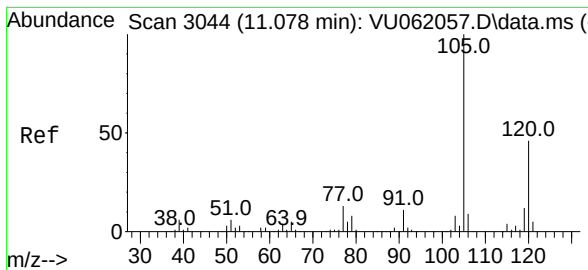
Ion Ratio Lower Upper

105 100

120 25.9 20.0 30.0

77 16.9 13.1 19.7

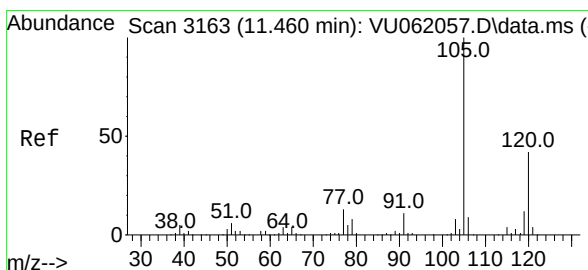
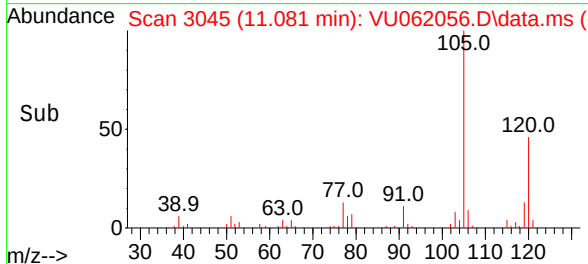
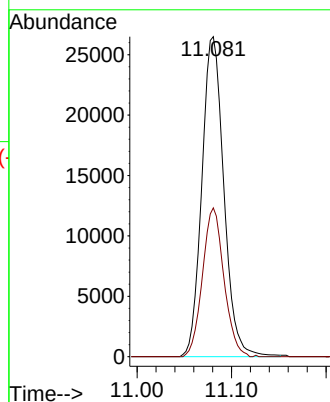
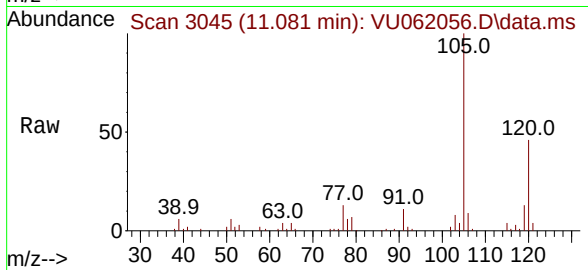




#62
1,3,5-Trimethylbenzene
Concen: 10.030 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

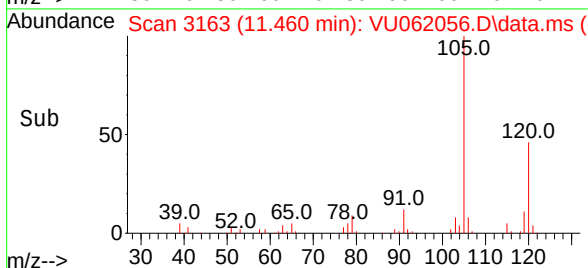
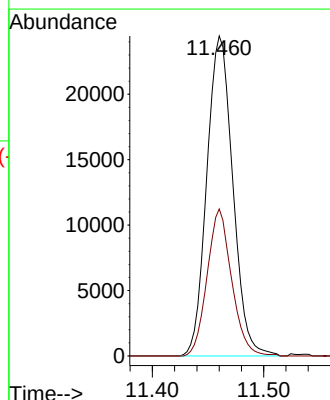
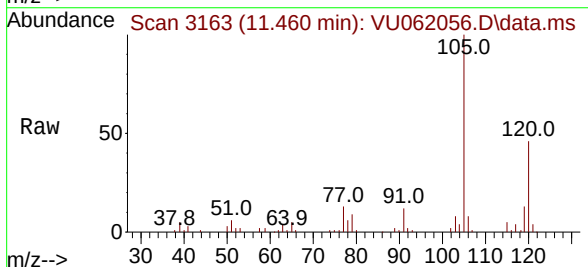
Instrument :
MSVOA_U
ClientSampleId :

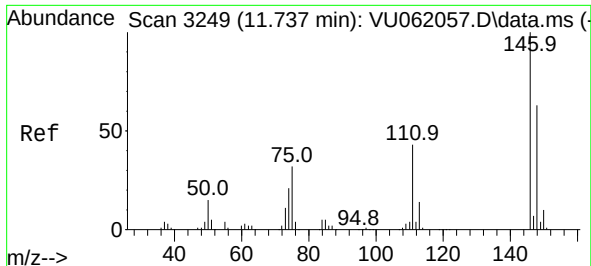
Tgt Ion:105 Resp: 42863
Ion Ratio Lower Upper
105 100
120 45.3 37.0 55.6



#63
1,2,4-Trimethylbenzene
Concen: 9.423 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

Tgt Ion:105 Resp: 39697
Ion Ratio Lower Upper
105 100
120 43.1 33.8 50.8





#64

1,3-Dichlorobenzene

Concen: 10.247 ug/L

RT: 11.740 min Scan# 3249

Delta R.T. 0.003 min

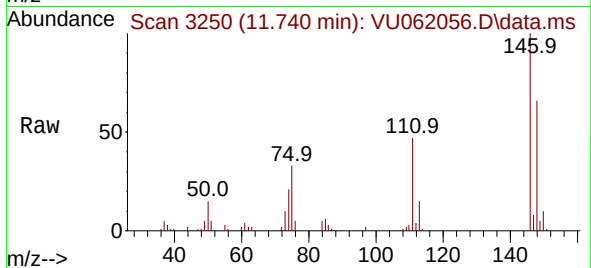
Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :



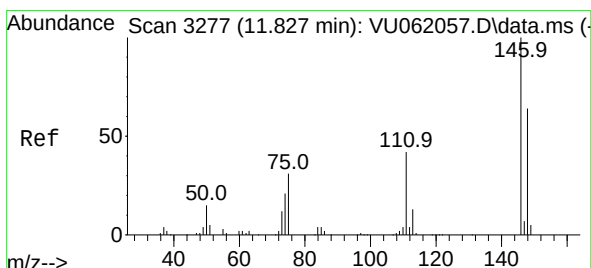
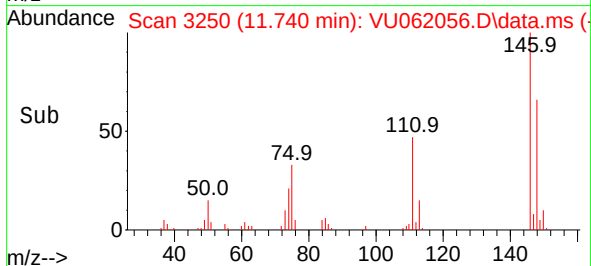
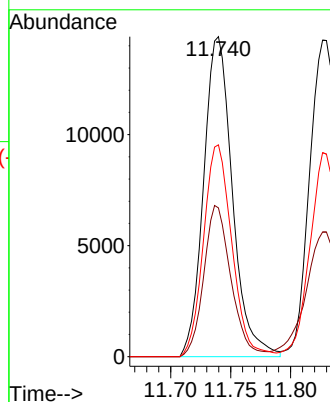
Tgt Ion:146 Resp: 24078

Ion Ratio Lower Upper

146 100

111 46.5 29.8 55.4

148 70.8 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 10.542 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

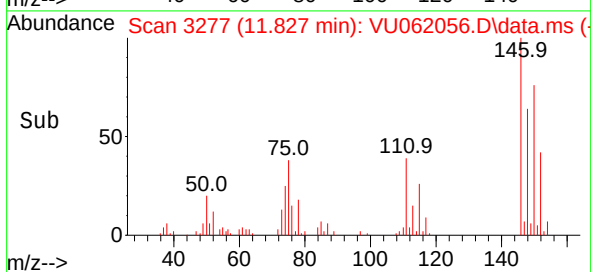
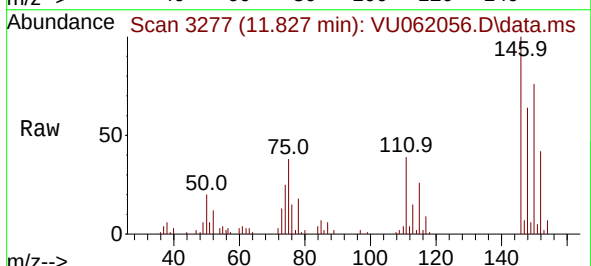
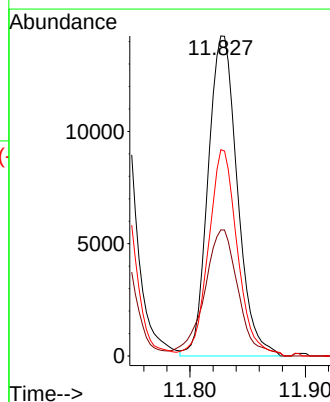
Tgt Ion:146 Resp: 25099

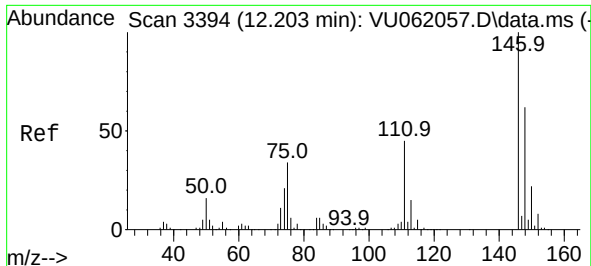
Ion Ratio Lower Upper

146 100

111 39.4 29.4 54.6

148 64.4 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 10.467 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :

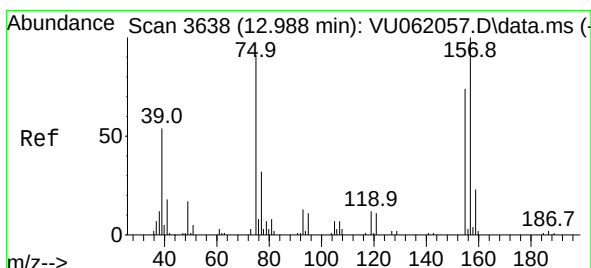
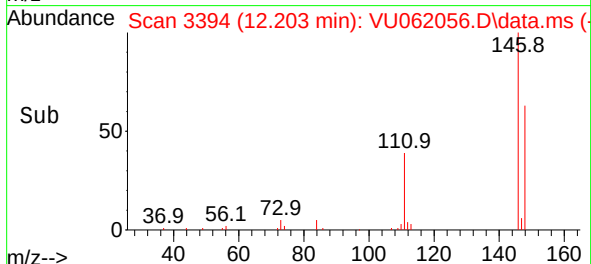
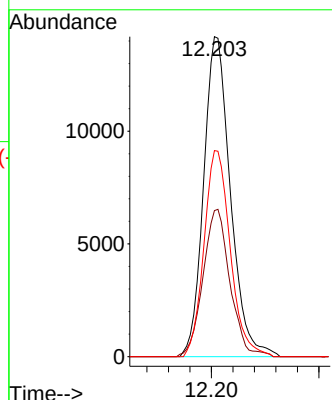
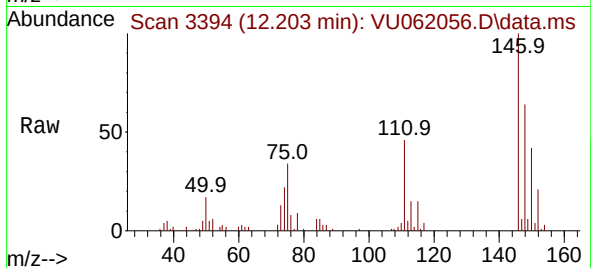
Tgt Ion:146 Resp: 24559

Ion Ratio Lower Upper

146 100

111 45.6 36.1 54.1

148 70.0 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 10.073 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

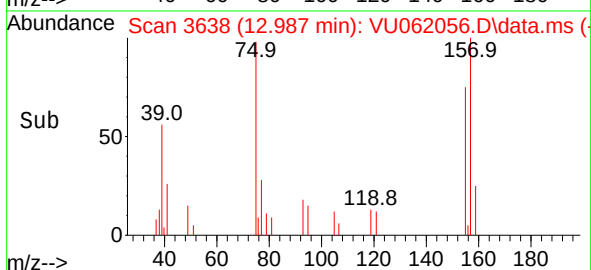
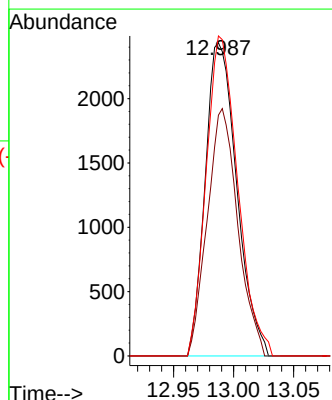
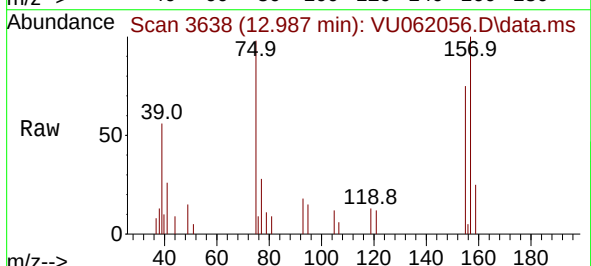
Tgt Ion: 75 Resp: 4453

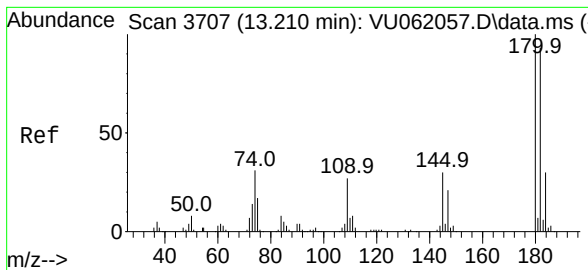
Ion Ratio Lower Upper

75 100

155 70.2 65.1 97.7

157 93.3 91.2 136.8





#69

1,3,5-Trichlorobenzene

Concen: 9.923 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.003 min

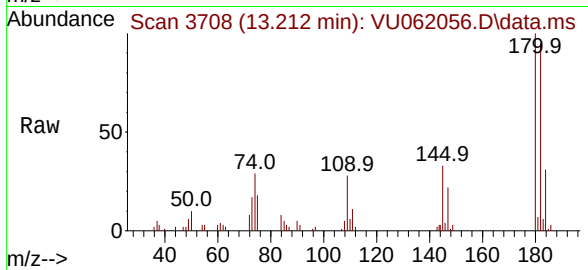
Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 15705

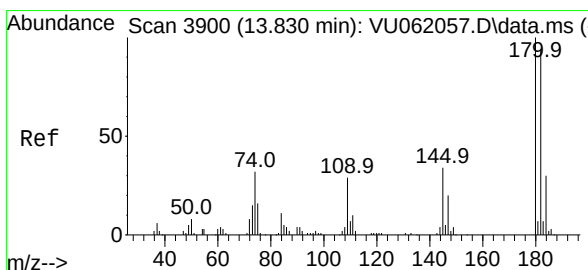
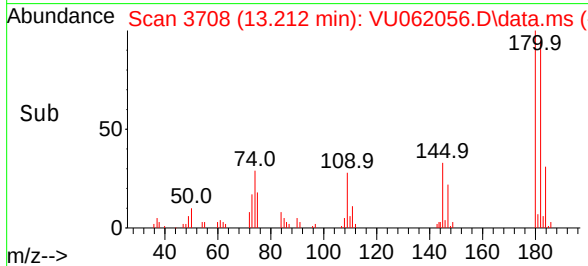
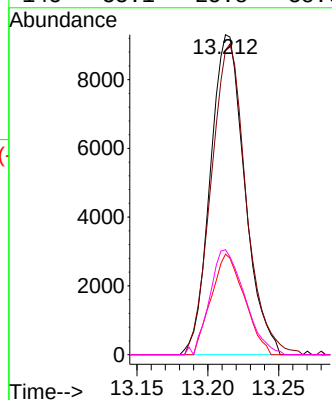
Ion Ratio Lower Upper

180 100

182 98.5 74.6 112.0

184 30.3 24.2 36.2

145 33.1 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 10.173 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.006 min

Lab File: VU062056.D

Acq: 27 Nov 2024 15:50

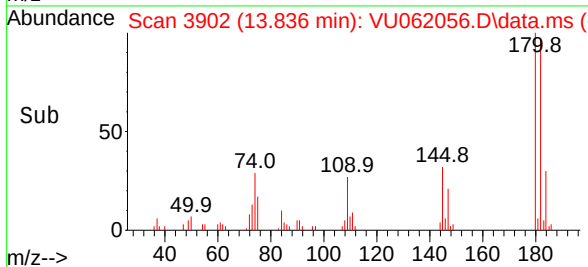
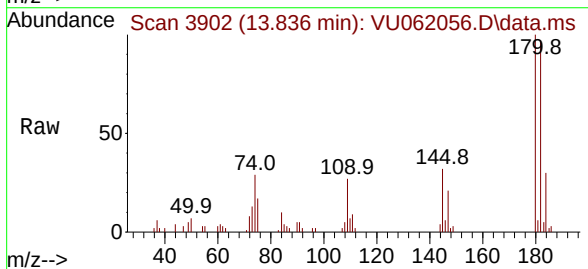
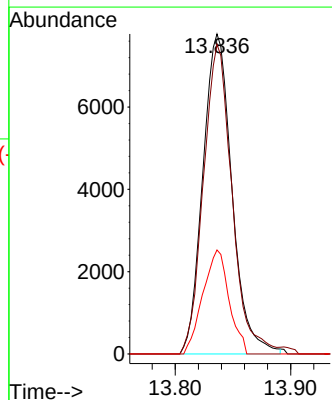
Tgt Ion:180 Resp: 13617

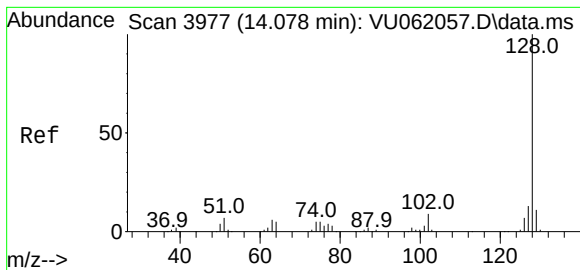
Ion Ratio Lower Upper

180 100

182 94.9 76.6 114.8

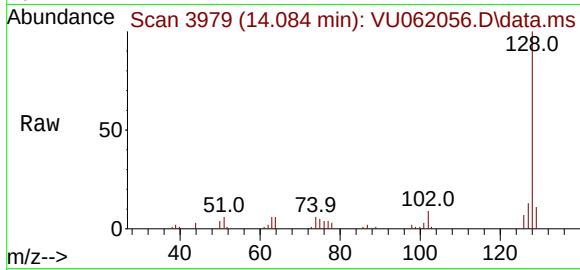
145 29.2 27.1 40.7



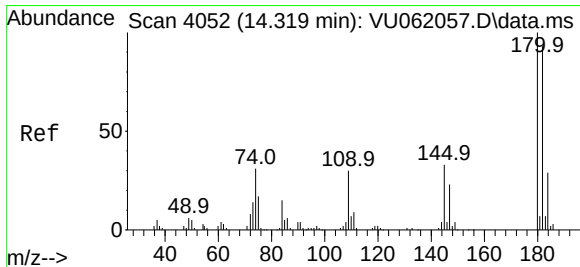
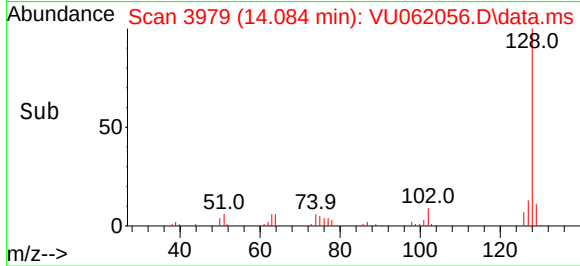
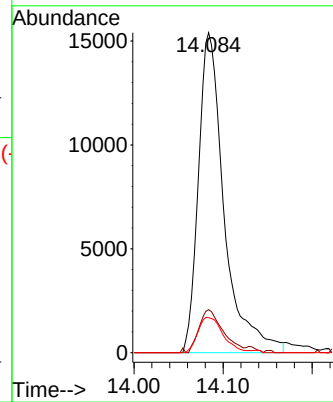


#71
Naphthalene
Concen: 7.381 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.006 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 30950
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 9.556 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.003 min
Lab File: VU062056.D
Acq: 27 Nov 2024 15:50

Tgt Ion:180 Resp: 12563
Ion Ratio Lower Upper
180 100
182 98.0 75.8 113.6
145 35.3 27.4 41.0

