

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102924\
 Data File : VU061270.D
 Acq On : 28 Oct 2024 17:32
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 29 01:48:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 29 01:48:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	250437	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	230677	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	103845	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	8635	5.316	ug/L	0.00
7) Chloroethane-d5	1.904	69	7714	5.622	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	15755	5.395	ug/L	0.00
21) 2-Butanone-d5	4.634	46	12943	10.945	ug/L	0.03
24) Chloroform-d	5.055	84	17678	5.515	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	11182	5.762	ug/L	0.00
32) Benzene-d6	5.721	84	35982	5.847	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	10807	5.682	ug/L	0.00
41) Toluene-d8	7.894	98	31668	5.427	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	4978	5.494	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	9495	11.277	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	16128	5.476	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	10982	5.547	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	7934	4.915	ug/L	97
3) Chloromethane	1.515	50	7770	4.958	ug/L	99
5) Vinyl chloride	1.599	62	7840	4.314	ug/L	100
6) Bromomethane	1.843	94	5907	5.721	ug/L	100
8) Chloroethane	1.923	64	5943	5.054	ug/L	95
9) Trichlorofluoromethane	2.132	101	11477	4.535	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	6616	4.185	ug/L	90
12) 1,1-Dichloroethene	2.573	96	5937	3.984	ug/L	82
13) Acetone	2.621	43	11013	9.548	ug/L	96
14) Carbon disulfide	2.785	76	18620	4.770	ug/L	98
15) Methyl Acetate	2.949	43	7494	4.261	ug/L	95
16) Methylene chloride	3.036	84	8119	4.345	ug/L	88
17) trans-1,2-Dichloroethene	3.348	96	6487	4.204	ug/L	95
18) Methyl tert-butyl Ether	3.354	73	23764	4.688	ug/L #	80
19) 1,1-Dichloroethane	3.859	63	12881	4.393	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	7743	4.152	ug/L	91
22) 2-Butanone	4.714	43	10335	7.163	ug/L	74
23) Bromochloromethane	4.968	128	4002	4.082	ug/L	95
25) Chloroform	5.081	83	13623	4.314	ug/L	100
27) 1,2-Dichloroethane	5.791	62	10574	4.371	ug/L	100
29) Cyclohexane	5.377	56	10619	4.823	ug/L	97
30) 1,1,1-Trichloroethane	5.306	97	10989	4.436	ug/L	96
31) Carbon tetrachloride	5.515	117	9572	4.646	ug/L	94
33) Benzene	5.769	78	28902	4.509	ug/L	100
34) Trichloroethene	6.537	95	7613	4.451	ug/L	97
35) Methylcyclohexane	6.756	83	11389	4.706	ug/L	97
37) 1,2-Dichloropropane	6.782	63	7943	4.553	ug/L #	89
38) Bromodichloromethane	7.100	83	9238	4.155	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	11830	4.380	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	20856	9.231	ug/L	94
42) Toluene	7.965	91	31111	4.463	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	10206	4.083	ug/L	95

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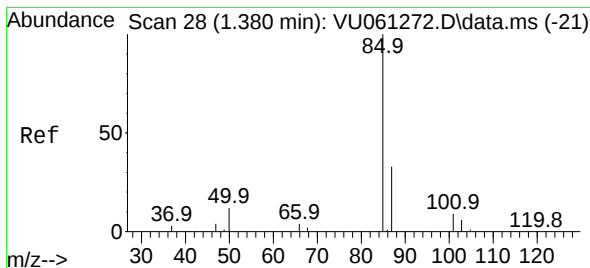
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 29 01:48:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 29 01:48:01 2024
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.393	97	7651	4.205	ug/L	91
46) Tetrachloroethene	8.547	164	5379	3.938	ug/L	89
48) 2-Hexanone	8.682	43	16272	8.628	ug/L	96
49) Dibromochloromethane	8.801	129	6881	3.821	ug/L	95
50) 1,2-Dibromoethane	8.920	107	8351	4.344	ug/L #	91
51) Chlorobenzene	9.441	112	19442	4.218	ug/L	99
52) Ethylbenzene	9.566	91	32030	4.277	ug/L	92
53) m,p-Xylene	9.688	106	11367	3.914	ug/L	96
54) o-Xylene	10.093	106	12092	4.309	ug/L	89
55) Styrene	10.113	104	17784	3.797	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	12531	4.052	ug/L	97
59) Bromoform	10.286	173	4684	3.701	ug/L #	94
60) 1,2,3-Trichloropropane	10.814	75	10531	5.118	ug/L	95
61) Isopropylbenzene	10.476	105	29442	4.667	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	23694	4.994	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	22454	4.521	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	13569	4.280	ug/L	90
65) 1,4-Dichlorobenzene	11.830	146	14097	4.300	ug/L	94
67) 1,2-Dichlorobenzene	12.209	146	13596	4.232	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	2236	3.951	ug/L	92
69) 1,3,5-Trichlorobenzene	13.219	180	8689	3.827	ug/L #	90
70) 1,2,4-trichlorobenzene	13.839	180	6411	3.140	ug/L	85
71) Naphthalene	14.093	128	17193	2.882	ug/L	95
72) 1,2,3-Trichlorobenzene	14.325	180	6615	3.275	ug/L	93

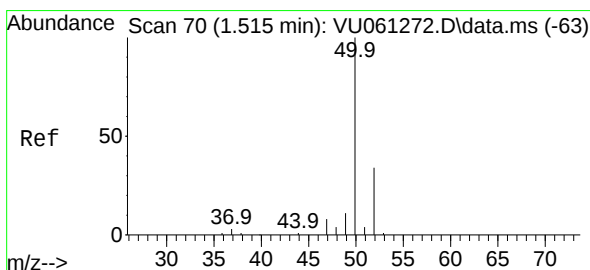
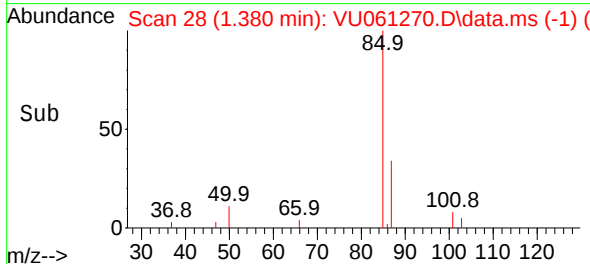
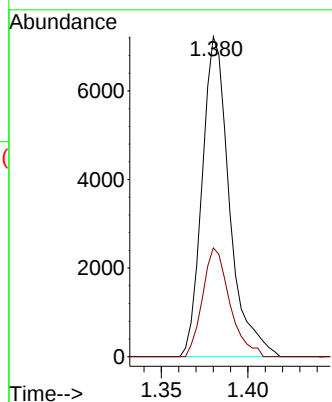
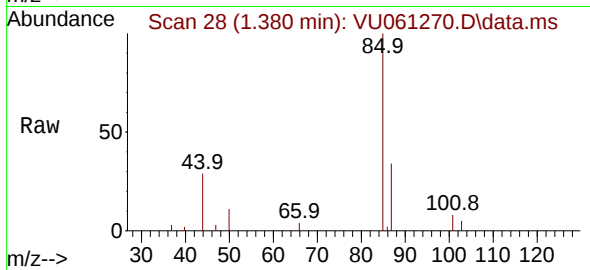
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.915 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU061270.D
 Acq: 28 Oct 2024 17:32

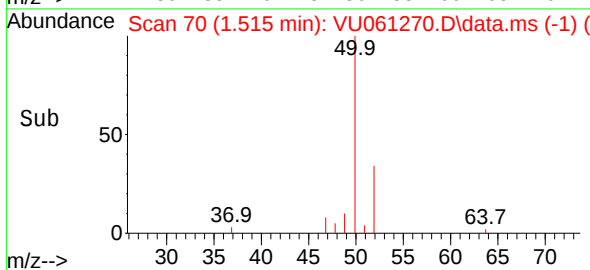
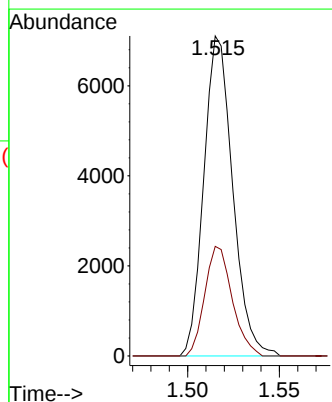
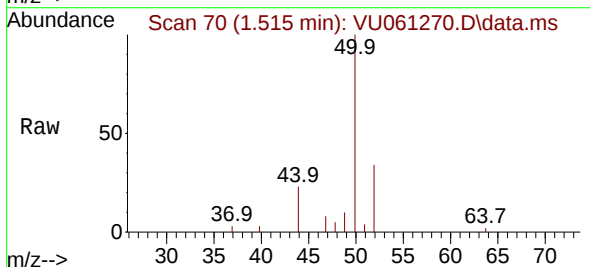
Instrument :
 MSVOA_U
 ClientSampleId :

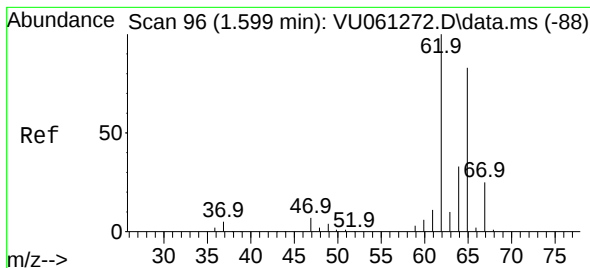
Tgt Ion: 85 Resp: 7934
 Ion Ratio Lower Upper
 85 100
 87 33.7 25.7 38.5



#3
 Chloromethane
 Concen: 4.958 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU061270.D
 Acq: 28 Oct 2024 17:32

Tgt Ion: 50 Resp: 7770
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.6 43.8





#5

Vinyl chloride

Concen: 4.314 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

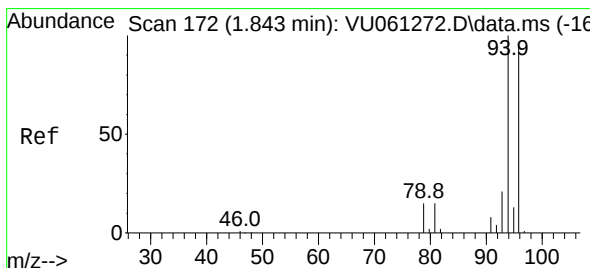
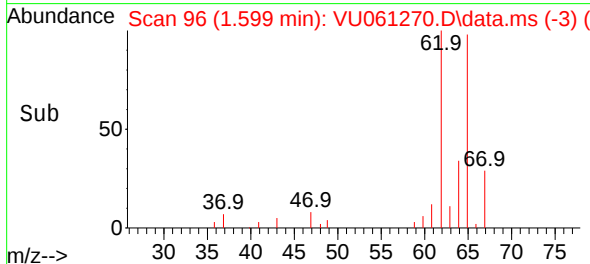
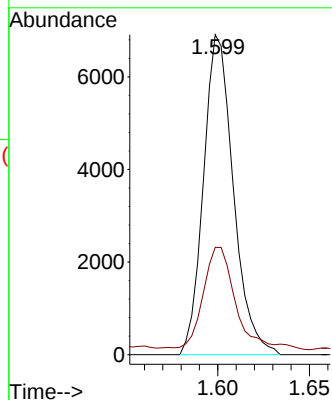
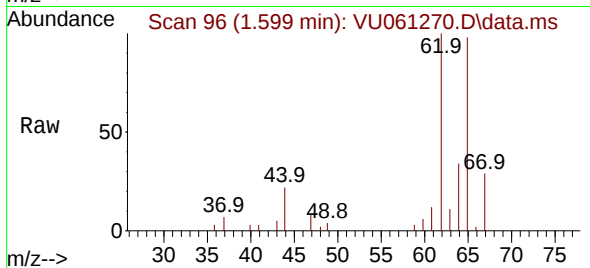
ClientSampleId :

Tgt Ion: 62 Resp: 7840

Ion Ratio Lower Upper

62 100

64 33.6 23.4 43.4



#6

Bromomethane

Concen: 5.721 ug/L

RT: 1.843 min Scan# 172

Delta R.T. -0.000 min

Lab File: VU061270.D

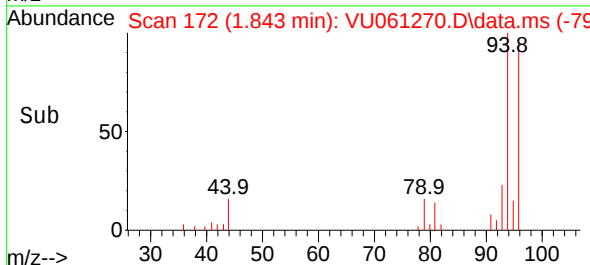
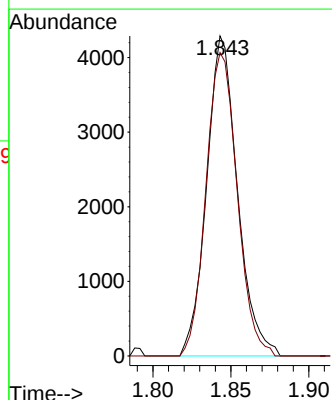
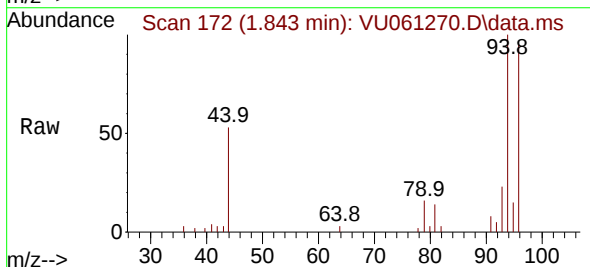
Acq: 28 Oct 2024 17:32

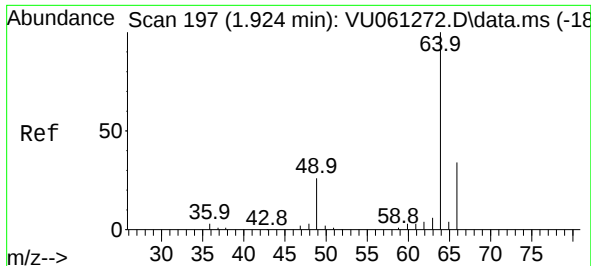
Tgt Ion: 94 Resp: 5907

Ion Ratio Lower Upper

94 100

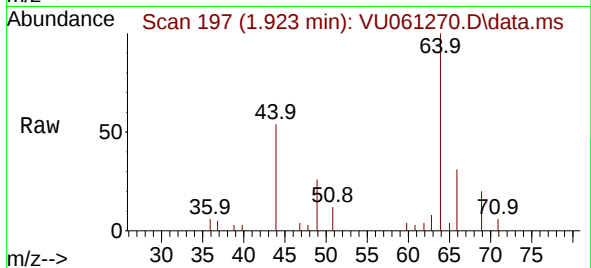
96 94.8 66.1 122.8



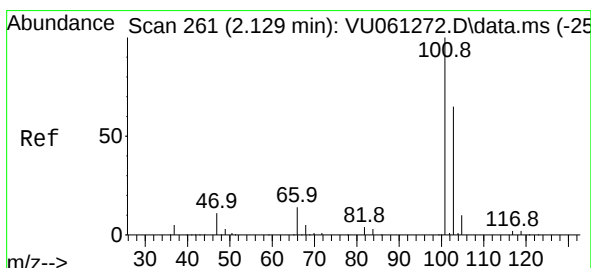
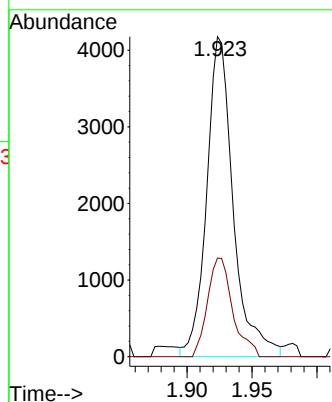
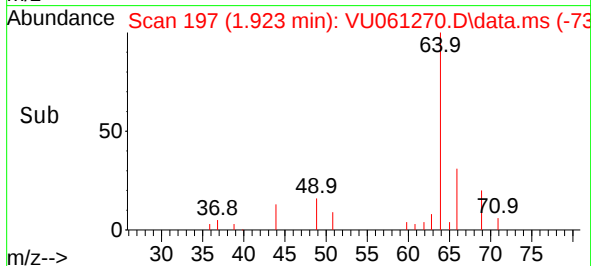


#8
Chloroethane
Concen: 5.054 ug/L
RT: 1.923 min Scan# 197
Delta R.T. -0.000 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

Instrument :
MSVOA_U
ClientSampleId :

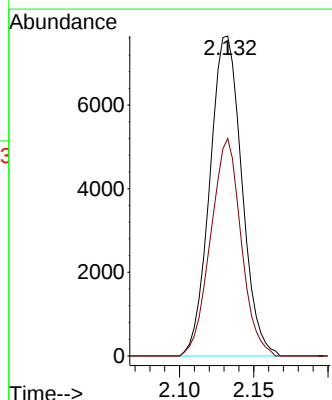
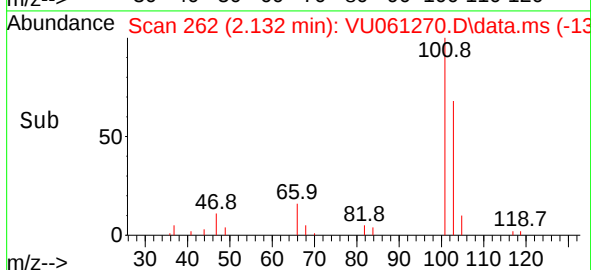
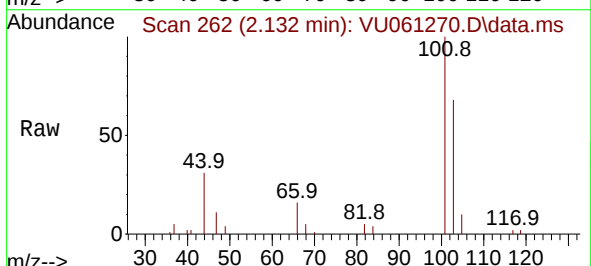


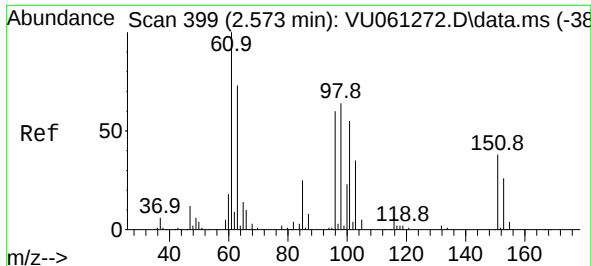
Tgt Ion: 64 Resp: 5943
Ion Ratio Lower Upper
64 100
66 30.8 23.6 43.8



#9
Trichlorofluoromethane
Concen: 4.535 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

Tgt Ion:101 Resp: 11477
Ion Ratio Lower Upper
101 100
103 64.8 51.6 77.4

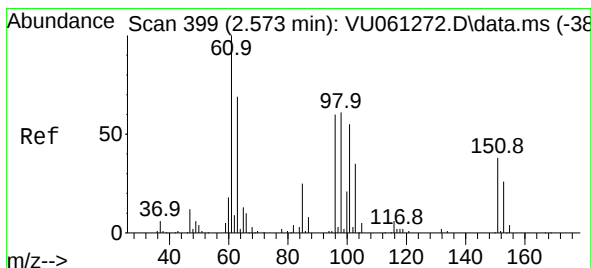
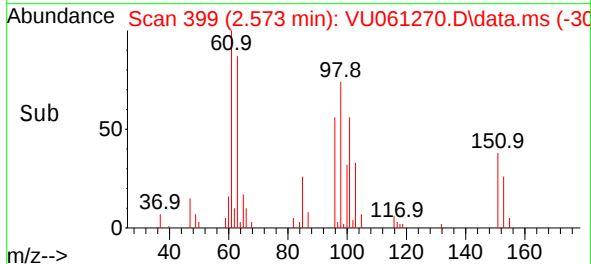
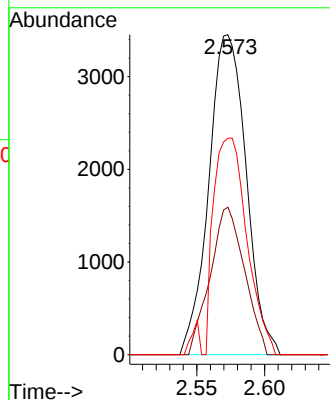
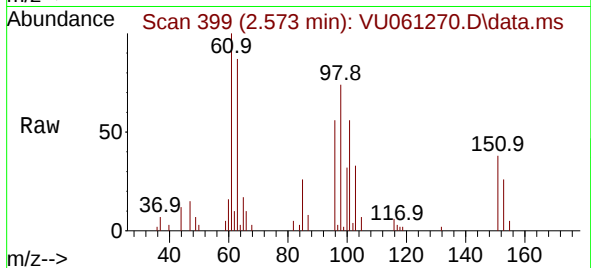




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.185 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU061270.D
 Acq: 28 Oct 2024 17:32

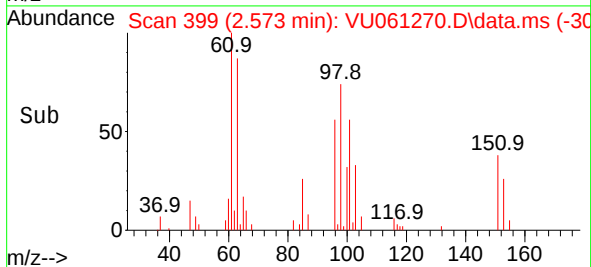
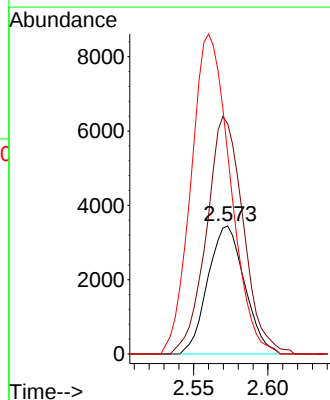
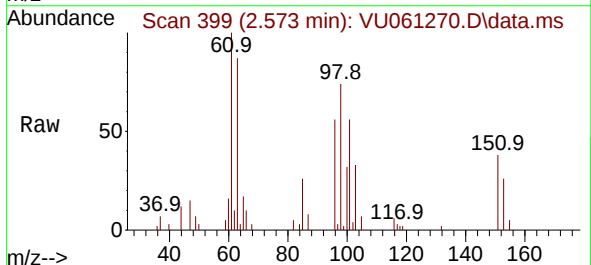
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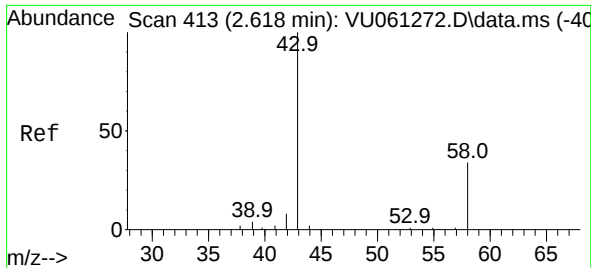
Tgt Ion:	101	Resp:	6616
Ion	Ratio	Lower	Upper
101	100		
85	42.3	36.4	54.6
151	60.4	57.0	85.4



#12
 1,1-Dichloroethene
 Concen: 3.984 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU061270.D
 Acq: 28 Oct 2024 17:32

Tgt Ion:	96	Resp:	5937
Ion	Ratio	Lower	Upper
96	100		
61	179.7	117.1	217.5
63	156.3	86.6	160.8





#13

Acetone

Concen: 9.548 ug/L

RT: 2.621 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

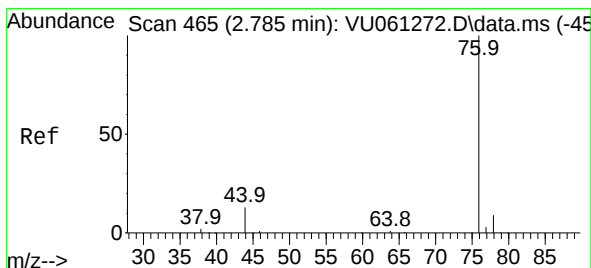
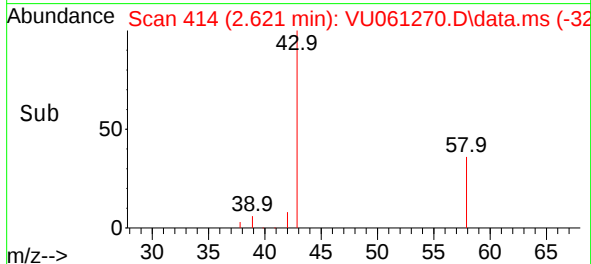
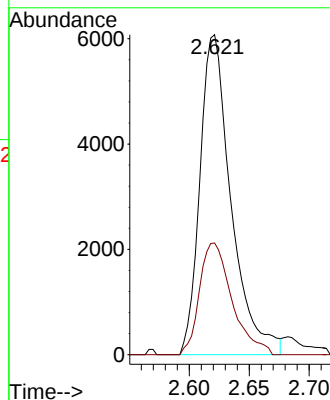
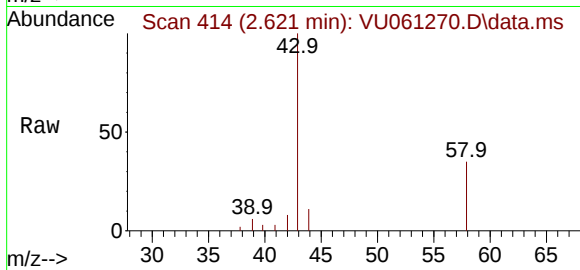
ClientSampleId :

Tgt Ion: 43 Resp: 11013

Ion Ratio Lower Upper

43 100

58 36.4 0.0 68.2



#14

Carbon disulfide

Concen: 4.770 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU061270.D

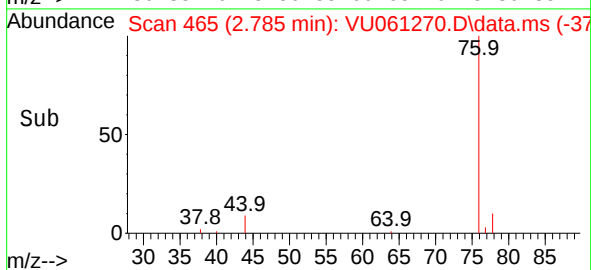
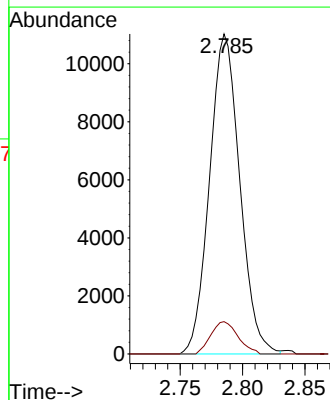
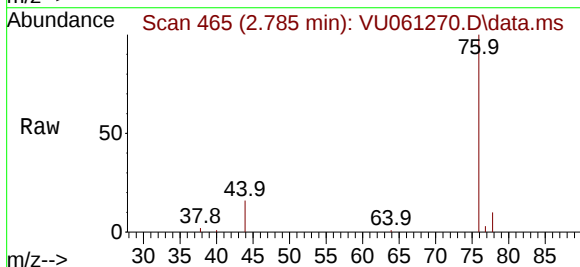
Acq: 28 Oct 2024 17:32

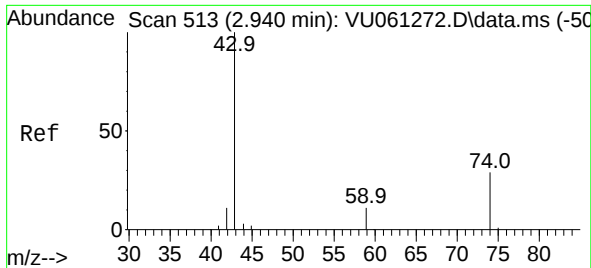
Tgt Ion: 76 Resp: 18620

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.2





#15

Methyl Acetate

Concen: 4.261 ug/L

RT: 2.949 min Scan# 513

Delta R.T. 0.009 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

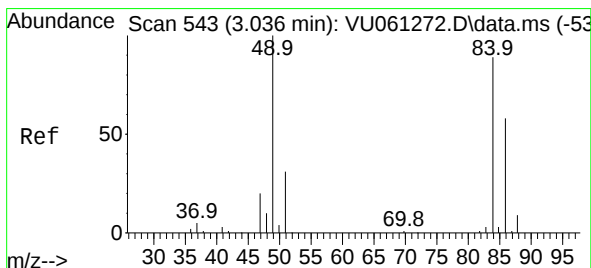
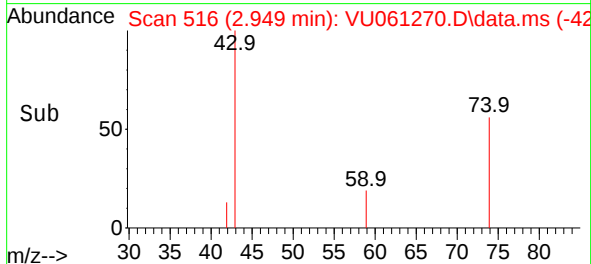
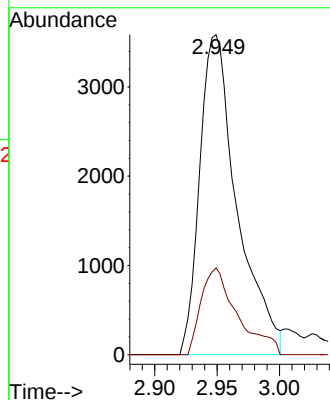
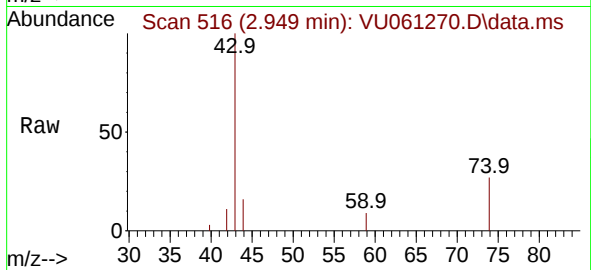
ClientSampleId :

Tgt Ion: 43 Resp: 7494

Ion Ratio Lower Upper

43 100

74 26.3 23.2 34.8



#16

Methylene chloride

Concen: 4.345 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.000 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

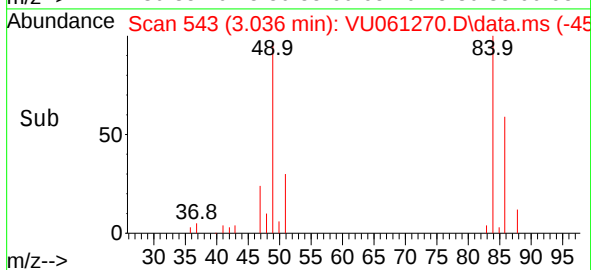
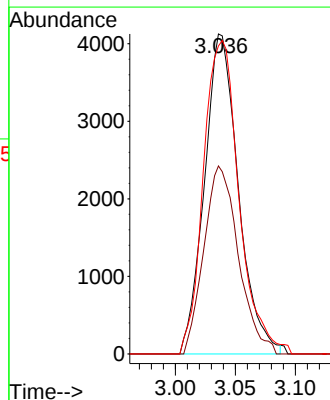
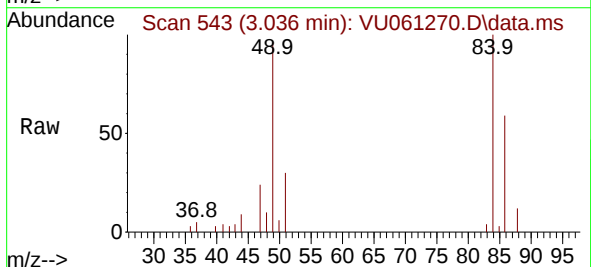
Tgt Ion: 84 Resp: 8119

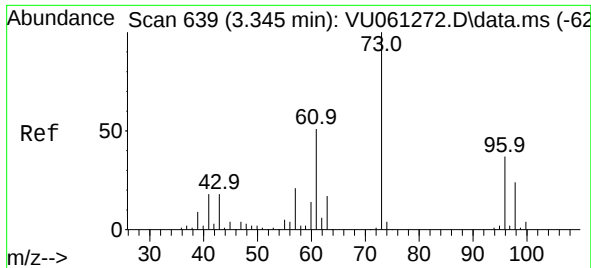
Ion Ratio Lower Upper

84 100

86 58.7 45.3 84.1

49 96.3 78.3 145.5

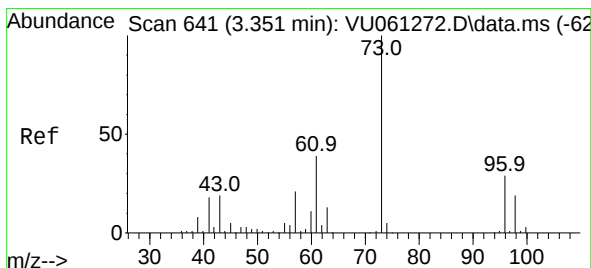
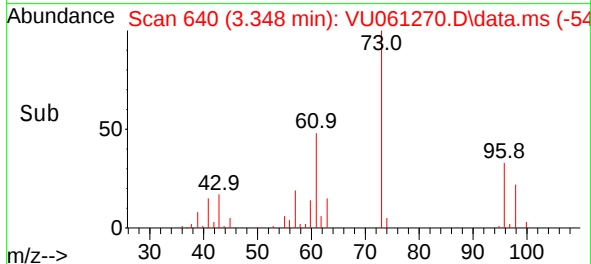
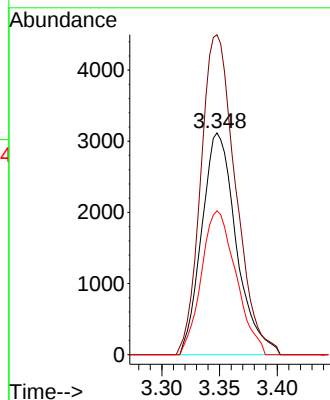
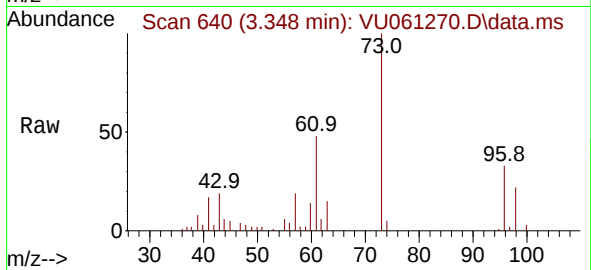




#17
trans-1,2-Dichloroethene
Concen: 4.204 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

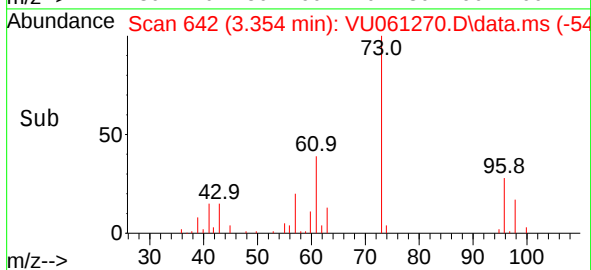
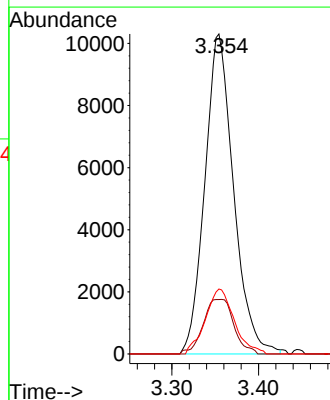
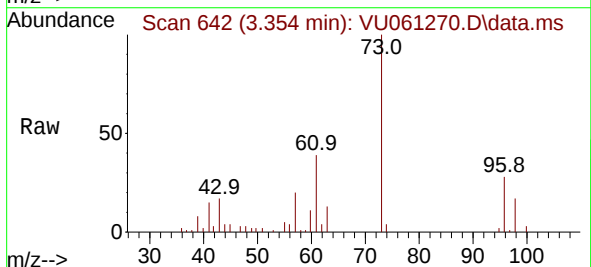
Instrument :
MSVOA_U
ClientSampleId :

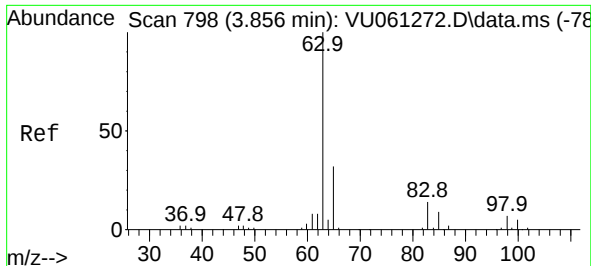
Tgt Ion: 96 Resp: 6487
Ion Ratio Lower Upper
96 100
61 144.3 95.3 177.1
98 64.8 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 4.688 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

Tgt Ion: 73 Resp: 23764
Ion Ratio Lower Upper
73 100
43 0.3 14.8 22.2#
57 20.4 17.0 25.6

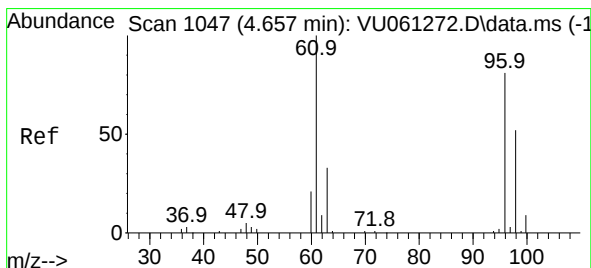
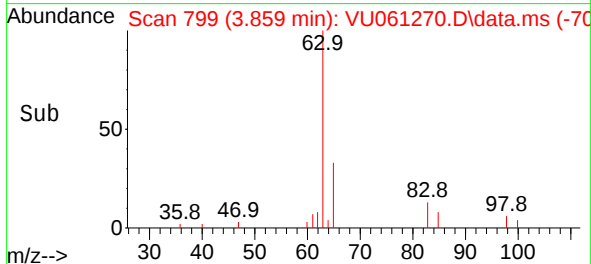
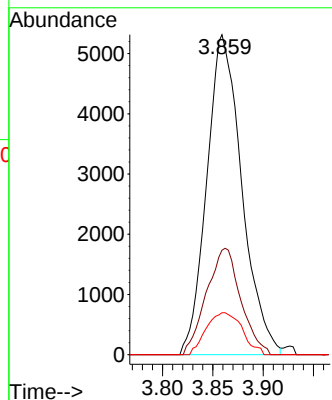
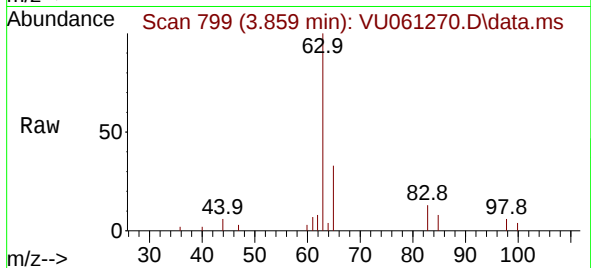




#19
1,1-Dichloroethane
Concen: 4.393 ug/L
RT: 3.859 min Scan# 798
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

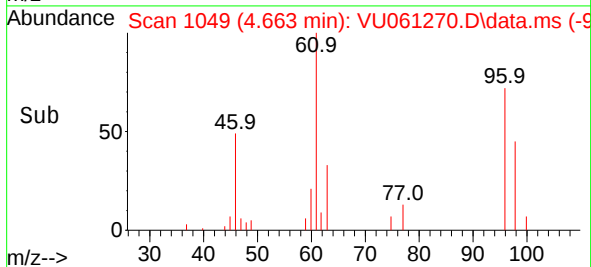
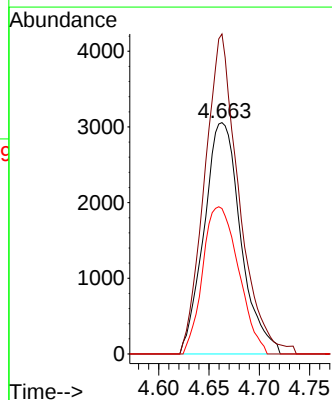
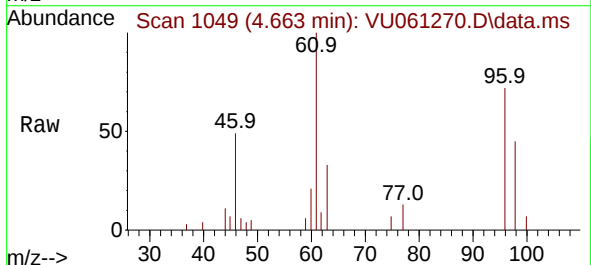
Instrument :
MSVOA_U
ClientSampleId :

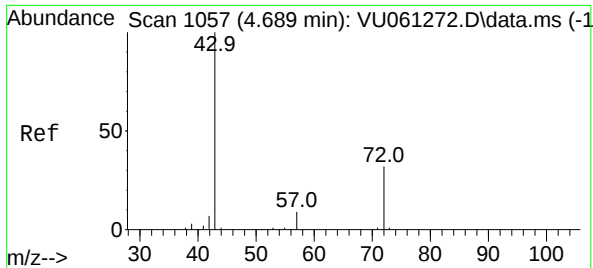
Tgt Ion: 63 Resp: 12881
Ion Ratio Lower Upper
63 100
65 32.6 22.3 41.3
83 13.1 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 4.152 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

Tgt Ion: 96 Resp: 7743
Ion Ratio Lower Upper
96 100
61 138.3 87.2 161.9
98 62.9 45.2 84.0

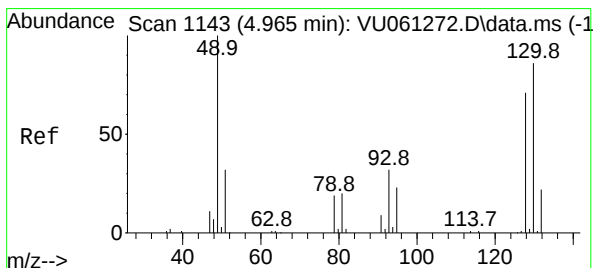
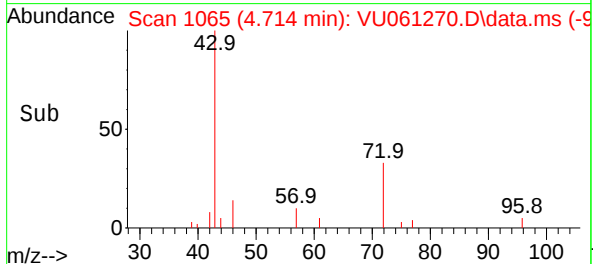
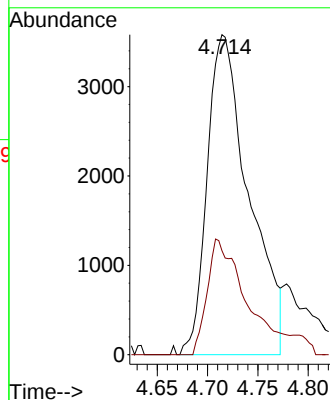
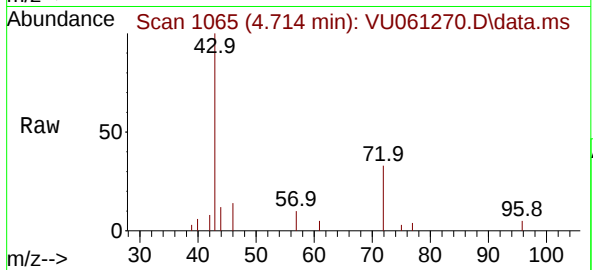




#22
2-Butanone
Concen: 7.163 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.026 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

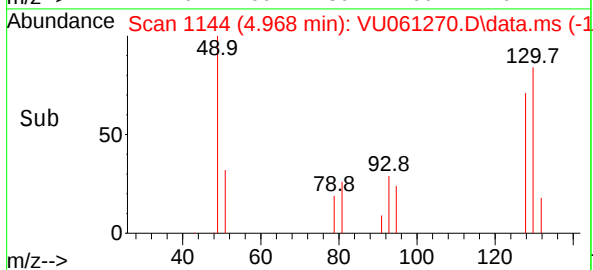
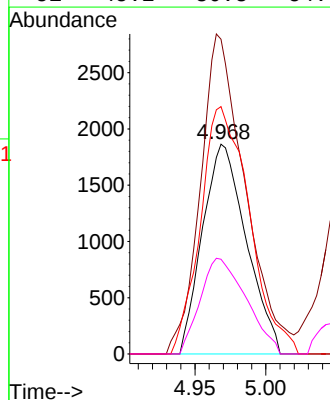
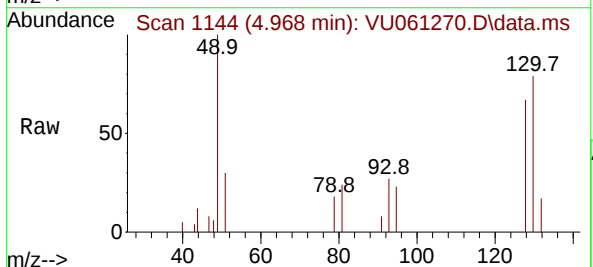
Instrument :
MSVOA_U
ClientSampleId :

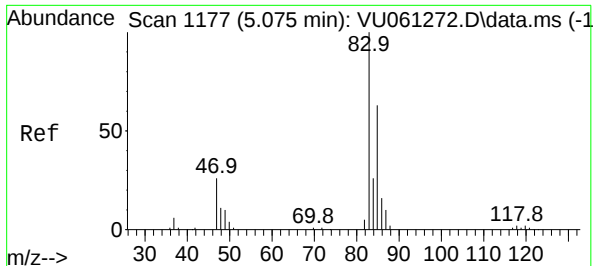
Tgt Ion: 43 Resp: 10335
Ion Ratio Lower Upper
43 100
72 17.2 15.8 47.4



#23
Bromochloromethane
Concen: 4.082 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

Tgt Ion:128 Resp: 4002
Ion Ratio Lower Upper
128 100
49 150.1 98.7 183.3
130 118.0 85.0 157.8
51 45.2 36.3 54.5





#25

Chloroform

Concen: 4.314 ug/L

RT: 5.081 min Scan# 1177

Delta R.T. 0.006 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

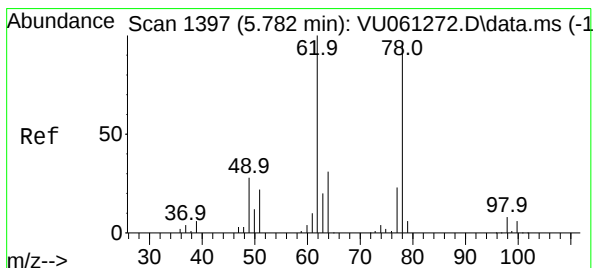
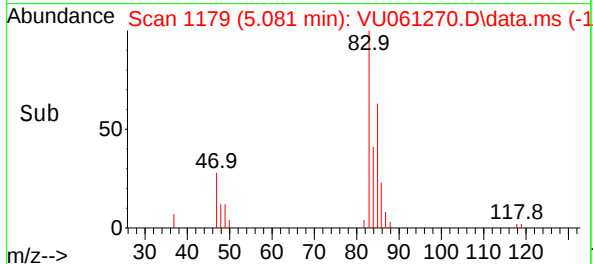
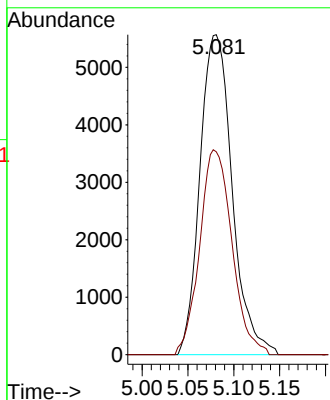
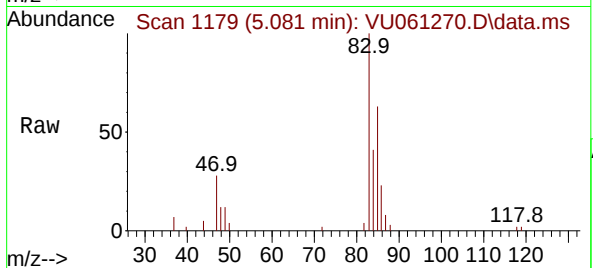
ClientSampleId :

Tgt Ion: 83 Resp: 13623

Ion Ratio Lower Upper

83 100

85 63.4 44.3 82.3



#27

1,2-Dichloroethane

Concen: 4.371 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.009 min

Lab File: VU061270.D

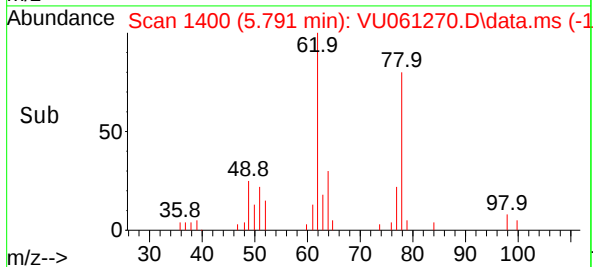
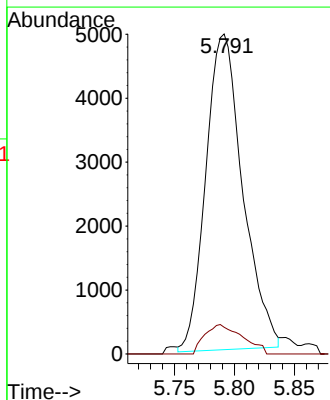
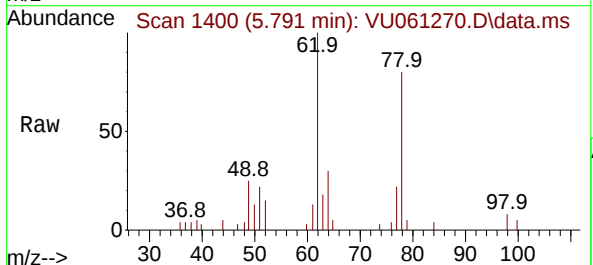
Acq: 28 Oct 2024 17:32

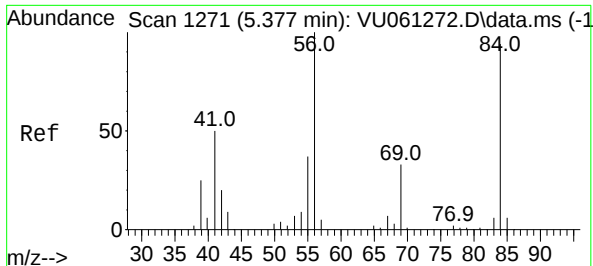
Tgt Ion: 62 Resp: 10574

Ion Ratio Lower Upper

62 100

98 8.4 6.6 10.0





#29

Cyclohexane

Concen: 4.823 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.000 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

ClientSampleId :

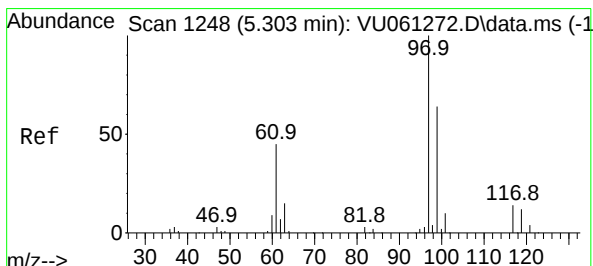
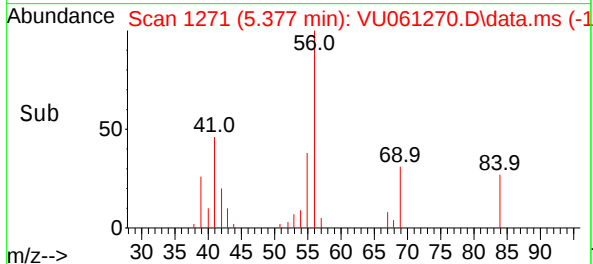
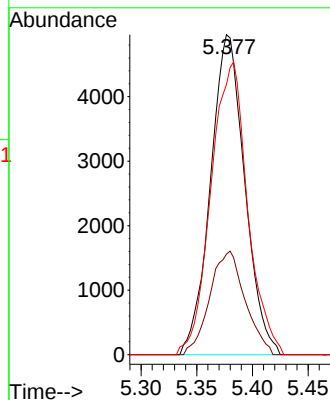
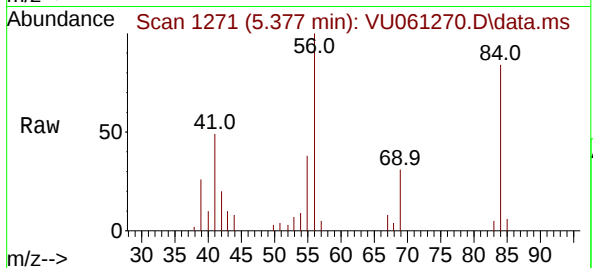
Tgt Ion: 56 Resp: 10619

Ion Ratio Lower Upper

56 100

69 33.4 26.3 39.5

84 97.5 74.6 112.0



#30

1,1,1-Trichloroethane

Concen: 4.436 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

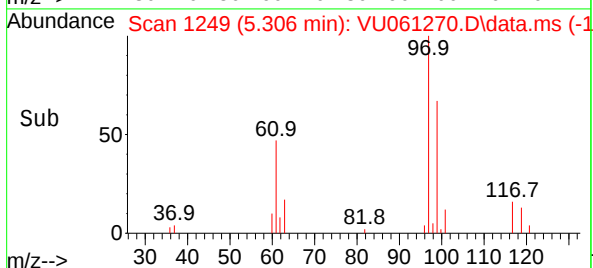
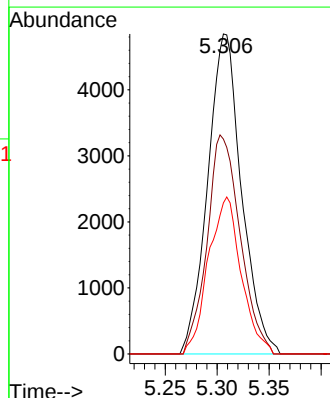
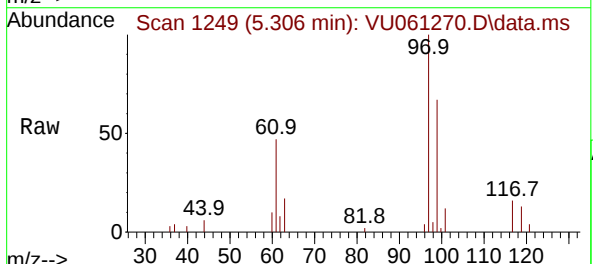
Tgt Ion: 97 Resp: 10989

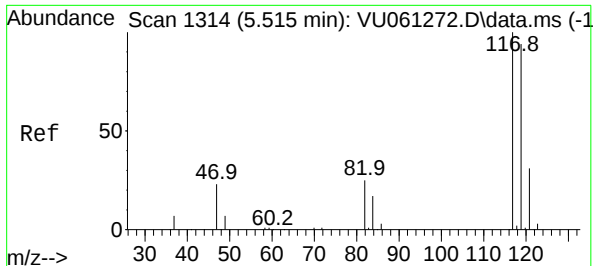
Ion Ratio Lower Upper

97 100

99 67.0 51.0 76.6

61 47.5 35.9 53.9

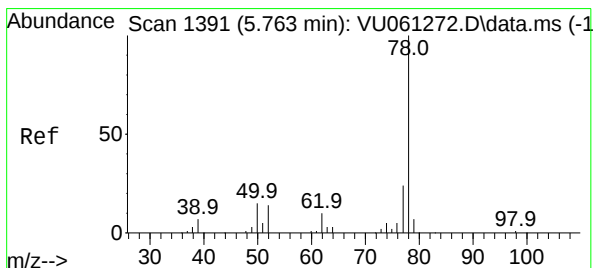
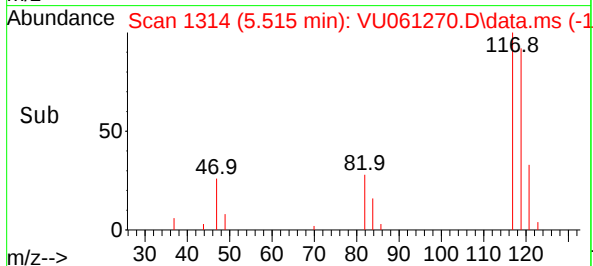
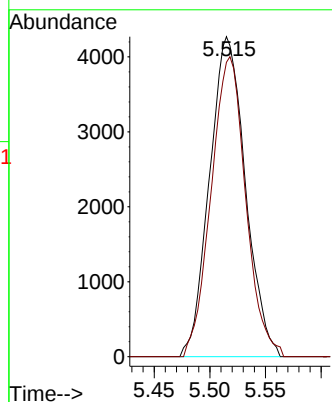
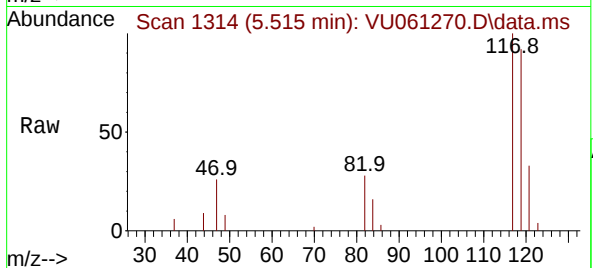




#31
Carbon tetrachloride
Concen: 4.646 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

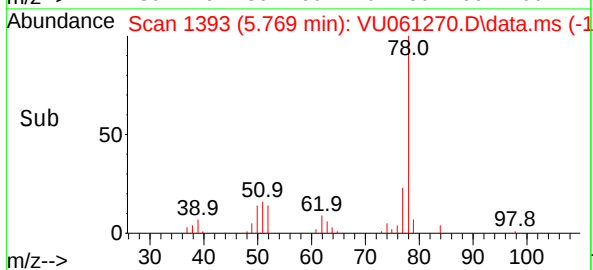
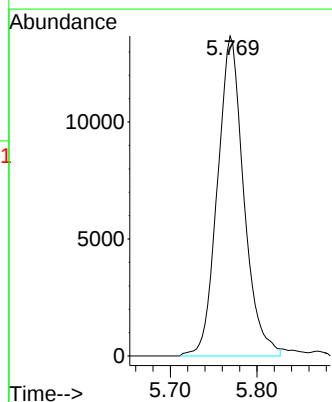
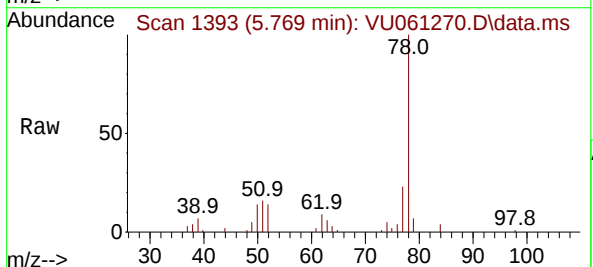
Instrument :
MSVOA_U
ClientSampleId :

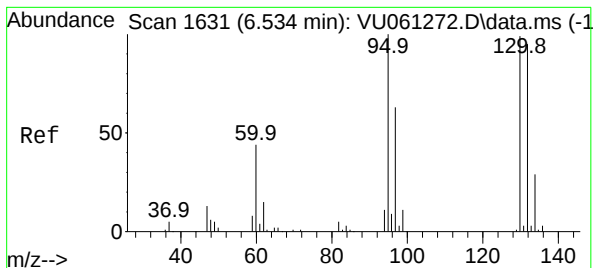
Tgt Ion:117 Resp: 9572
Ion Ratio Lower Upper
117 100
119 90.2 76.7 115.1



#33
Benzene
Concen: 4.509 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

Tgt Ion: 78 Resp: 28902





#34

Trichloroethene

Concen: 4.451 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 7613

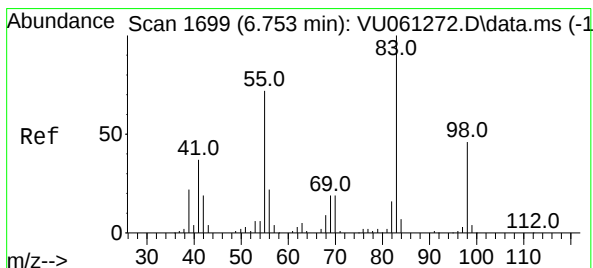
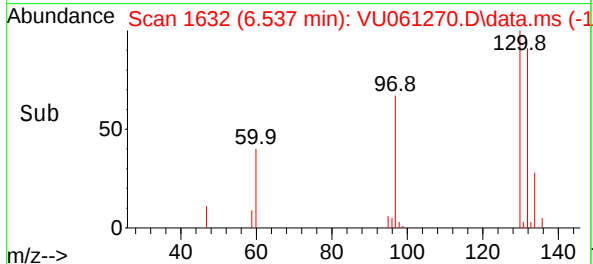
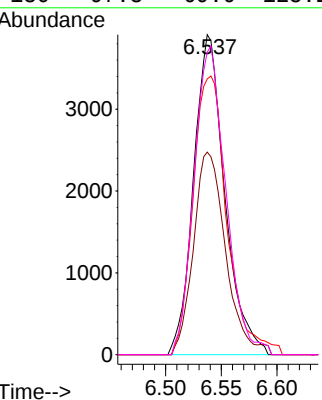
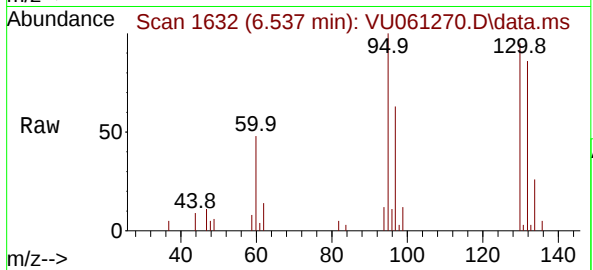
Ion Ratio Lower Upper

95 100

97 63.3 44.2 82.0

132 89.3 66.6 123.6

130 97.3 69.0 128.2



#35

Methylcyclohexane

Concen: 4.706 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

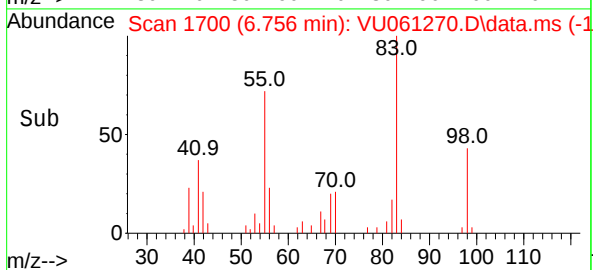
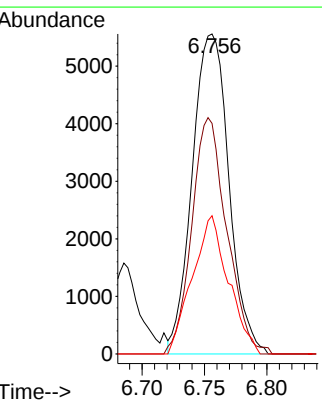
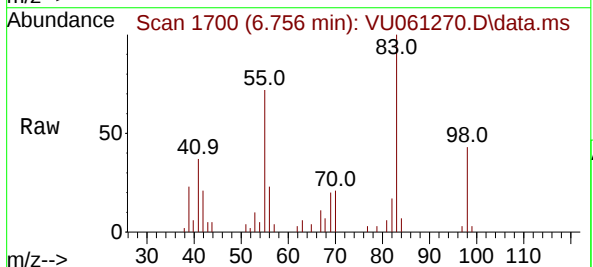
Tgt Ion: 83 Resp: 11389

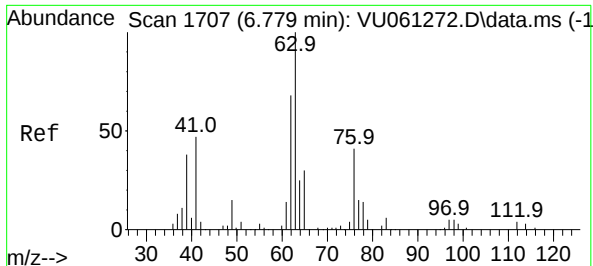
Ion Ratio Lower Upper

83 100

55 70.2 55.1 82.7

98 42.4 36.7 55.1





#37

1,2-Dichloropropane

Concen: 4.553 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

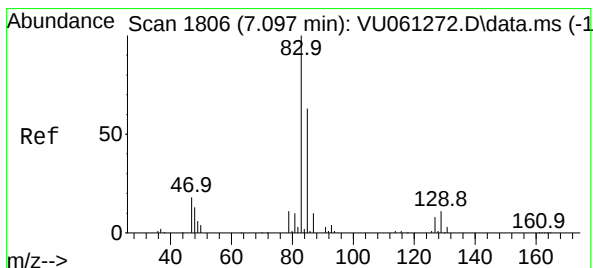
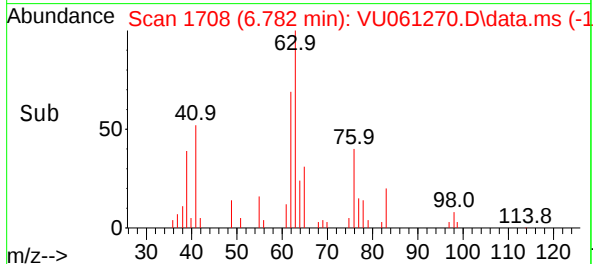
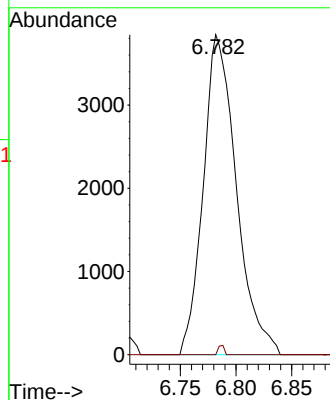
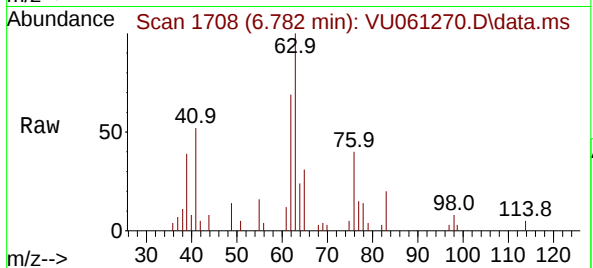
ClientSampleId :

Tgt Ion: 63 Resp: 7943

Ion Ratio Lower Upper

63 100

112 0.5 3.3 4.9#



#38

Bromodichloromethane

Concen: 4.155 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

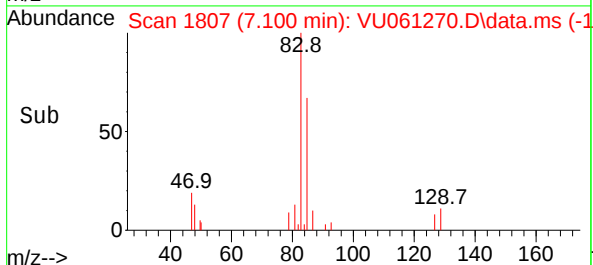
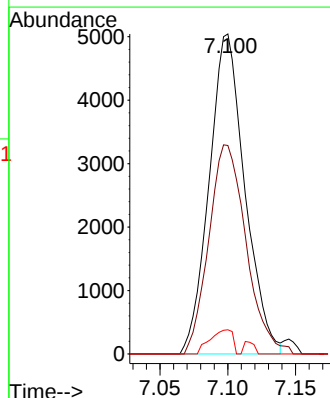
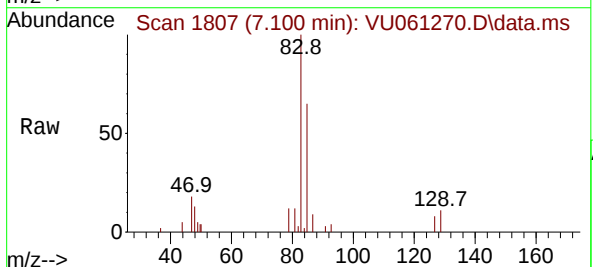
Tgt Ion: 83 Resp: 9238

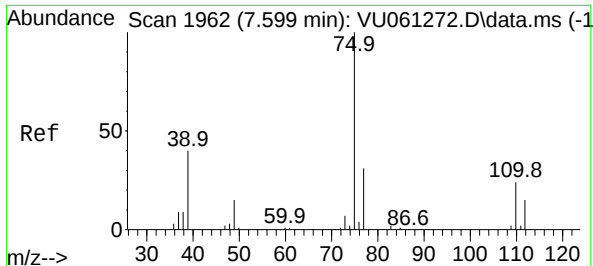
Ion Ratio Lower Upper

83 100

85 65.1 44.2 82.0

127 7.6 6.3 9.5

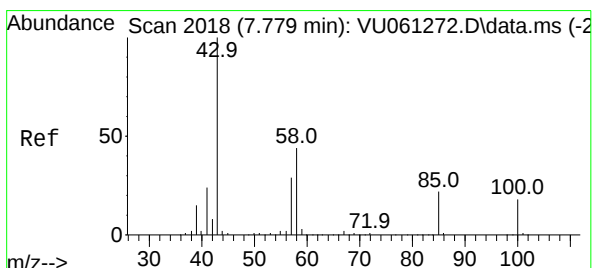
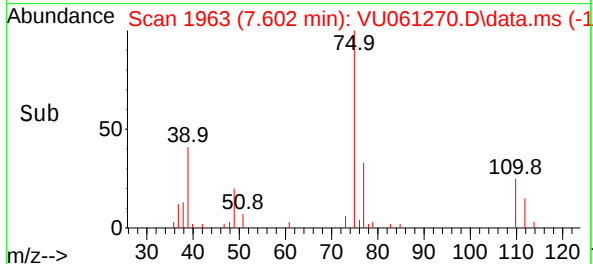
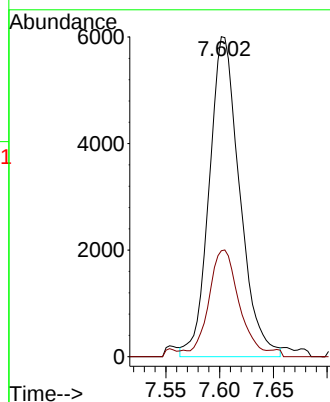
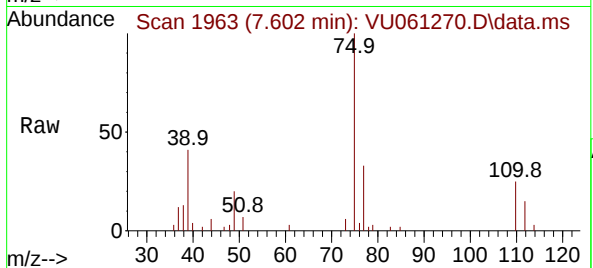




#39
 cis-1,3-Dichloropropene
 Concen: 4.380 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU061270.D
 Acq: 28 Oct 2024 17:32

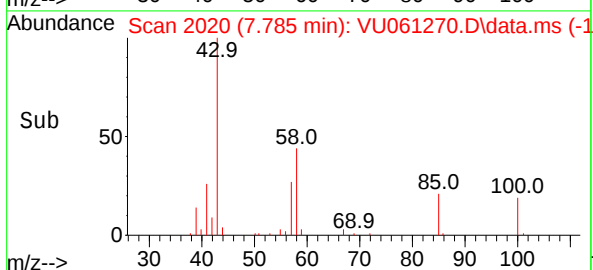
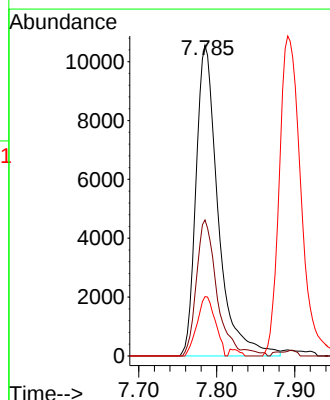
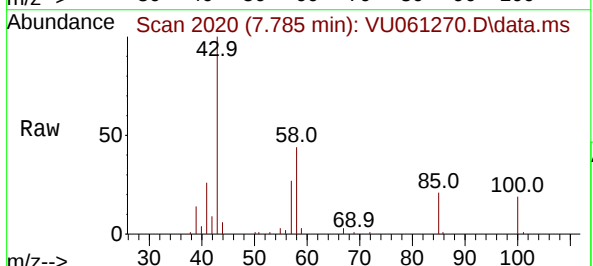
Instrument :
 MSVOA_U
 ClientSampleId :

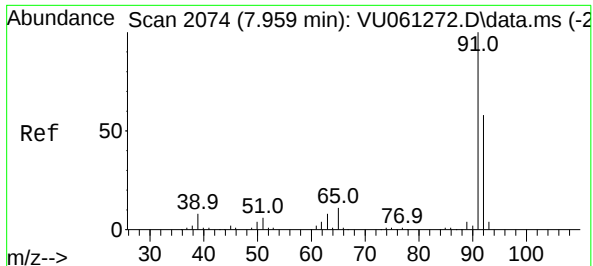
Tgt Ion: 75 Resp: 11830
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 9.231 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.006 min
 Lab File: VU061270.D
 Acq: 28 Oct 2024 17:32

Tgt Ion: 43 Resp: 20856
 Ion Ratio Lower Upper
 43 100
 58 39.7 35.2 52.8
 100 15.6 14.4 21.6





#42

Toluene

Concen: 4.463 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

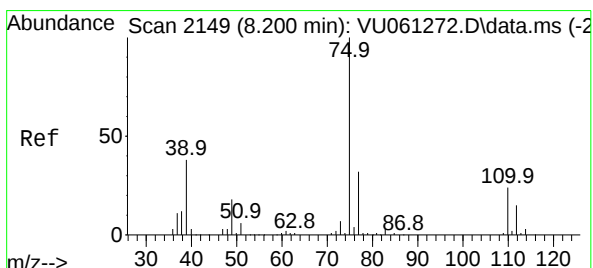
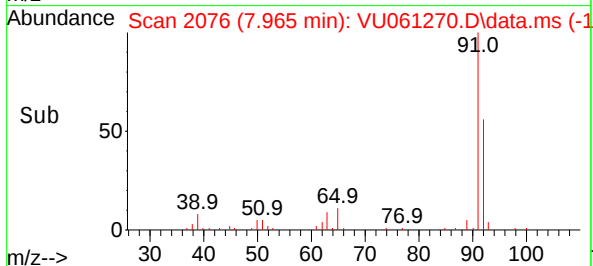
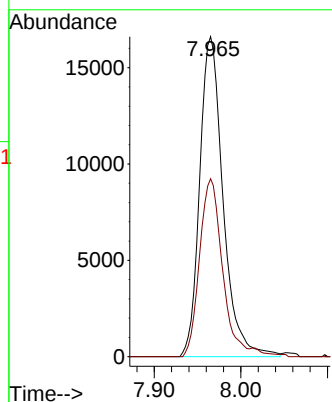
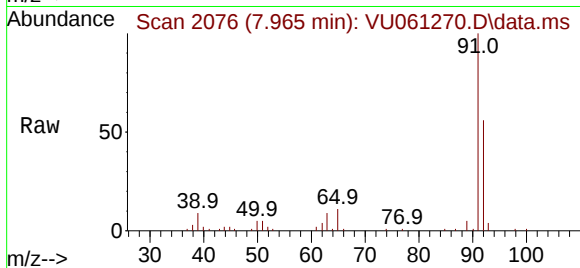
ClientSampleId :

Tgt Ion: 91 Resp: 31111

Ion Ratio Lower Upper

91 100

92 55.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.083 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.006 min

Lab File: VU061270.D

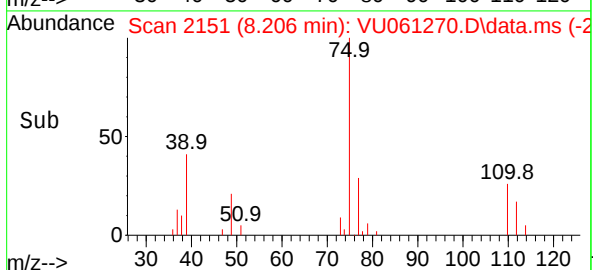
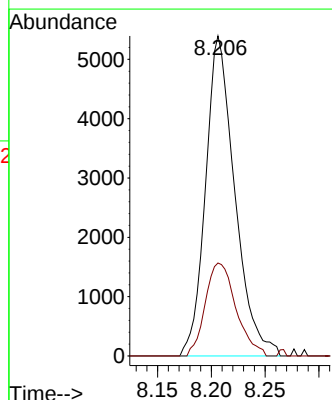
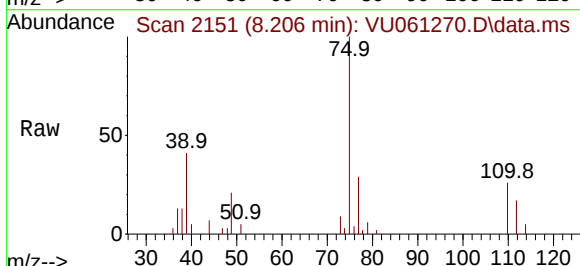
Acq: 28 Oct 2024 17:32

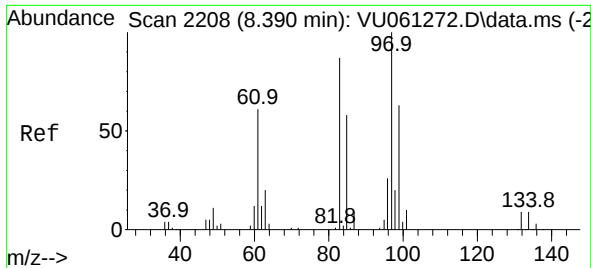
Tgt Ion: 75 Resp: 10206

Ion Ratio Lower Upper

75 100

77 29.0 22.2 41.2

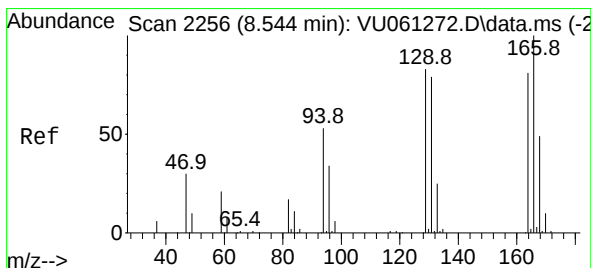
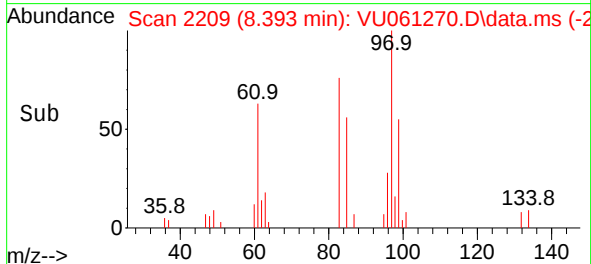
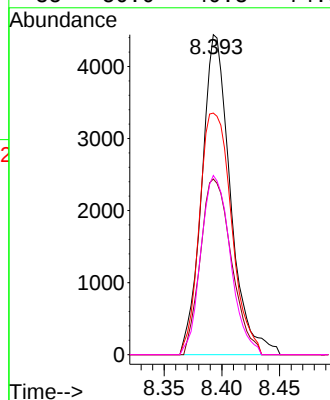
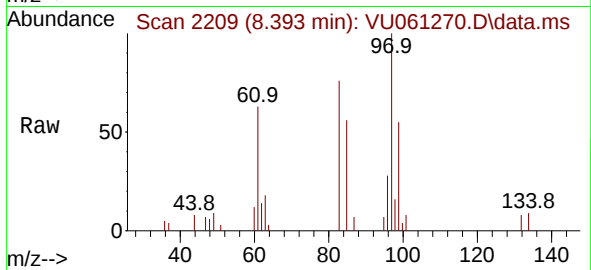




#45
1,1,2-Trichloroethane
Concen: 4.205 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

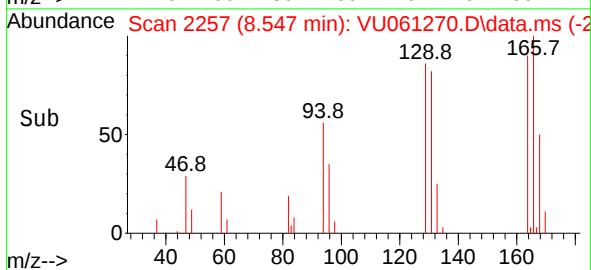
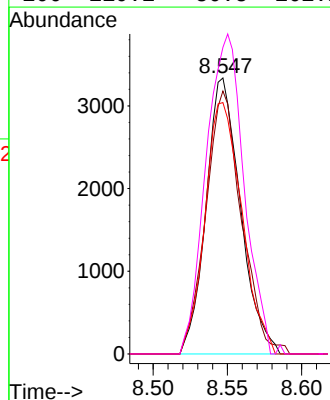
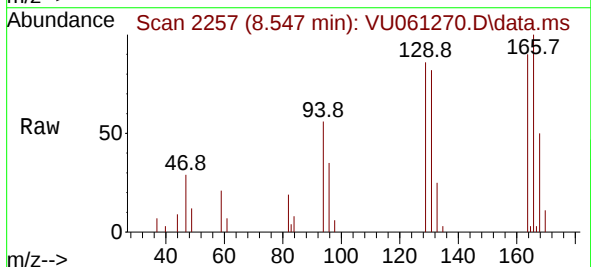
Instrument :
MSVOA_U
ClientSampleId :

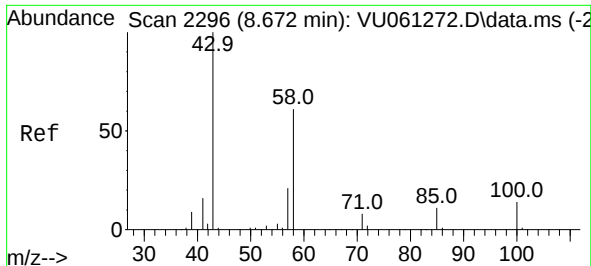
Tgt Ion: 97	Resp: 7651
Ion Ratio	Lower Upper
97 100	
99 54.9	44.4 82.5
83 75.5	61.0 113.2
85 56.0	40.3 74.9



#46
Tetrachloroethene
Concen: 3.938 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

Tgt	Ion:164	Resp:	5379
Ion	Ratio	Lower	Upper
164	100		
129	91.9	71.6	133.0
131	87.8	68.6	127.4
166	110.1	86.8	161.2





#48

2-Hexanone

Concen: 8.628 ug/L

RT: 8.682 min Scan# 21

Delta R.T. 0.009 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 16272

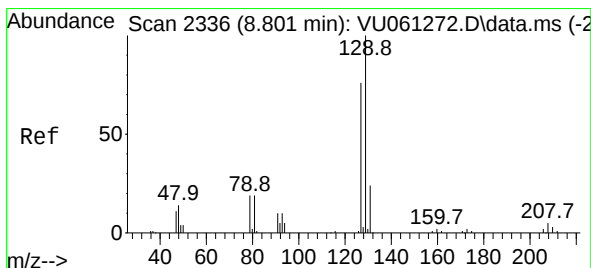
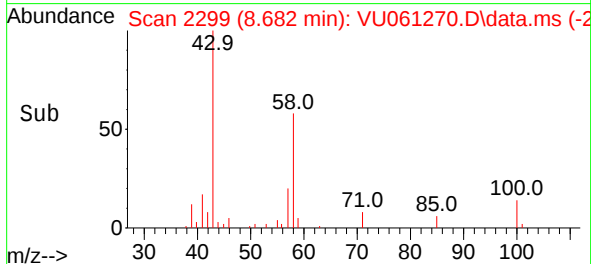
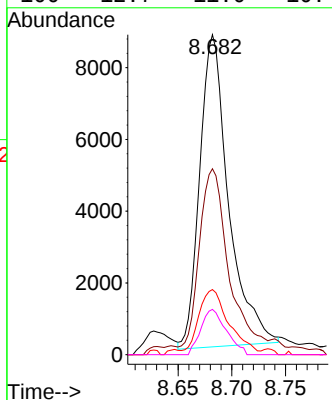
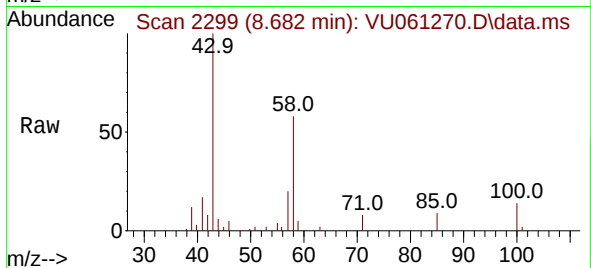
Ion Ratio Lower Upper

43 100

58 57.5 49.2 73.8

57 22.0 17.4 26.2

100 12.7 11.0 16.4



#49

Dibromochloromethane

Concen: 3.821 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU061270.D

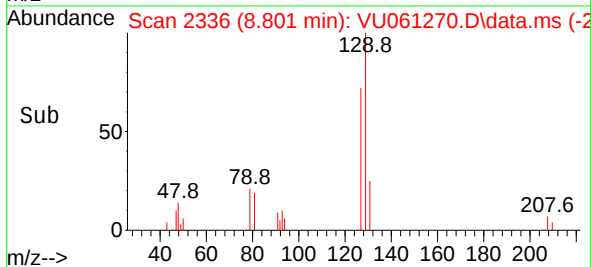
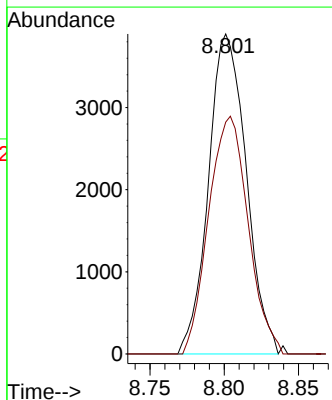
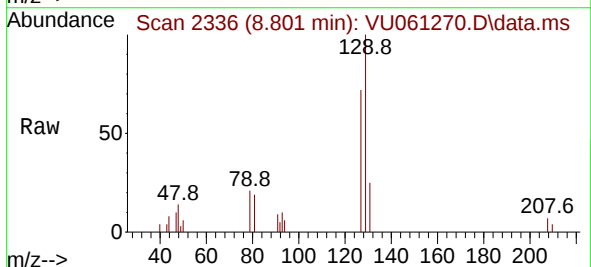
Acq: 28 Oct 2024 17:32

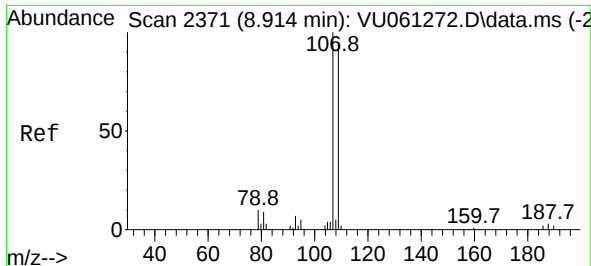
Tgt Ion: 129 Resp: 6881

Ion Ratio Lower Upper

129 100

127 72.5 53.5 99.3

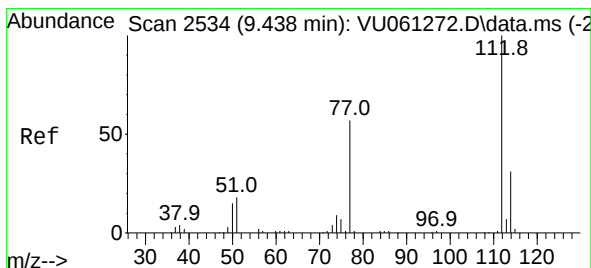
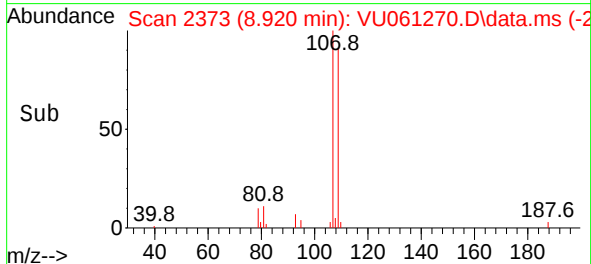
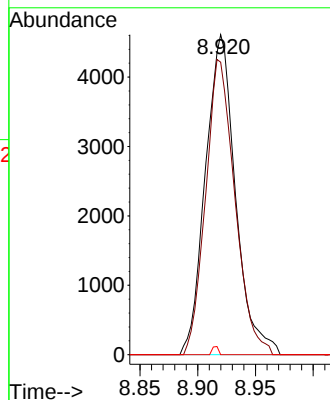
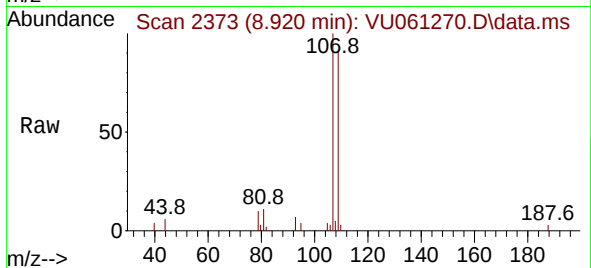




#50
1,2-Dibromoethane
Concen: 4.344 ug/L
RT: 8.920 min Scan# 24
Delta R.T. 0.006 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

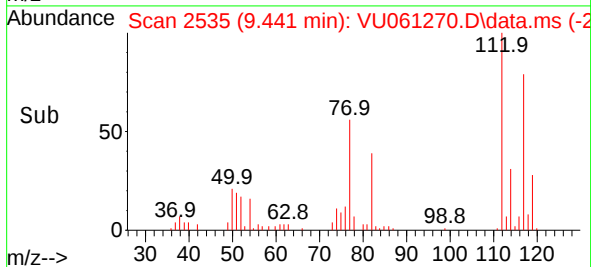
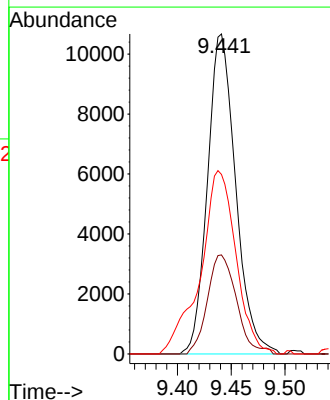
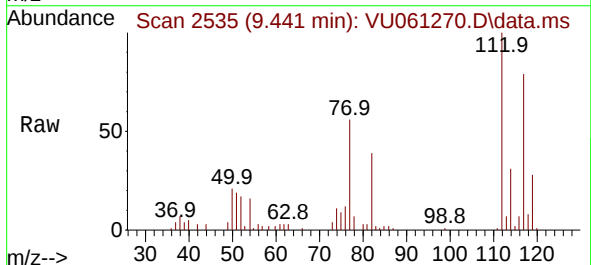
Instrument :
MSVOA_U
ClientSampleId :

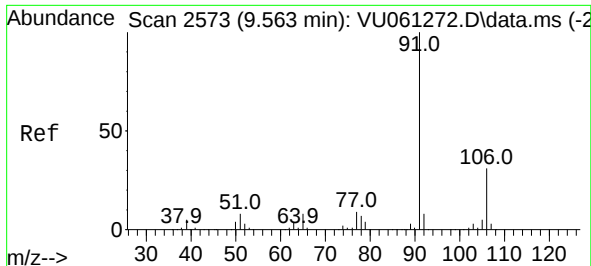
Tgt Ion:107 Resp: 8351
Ion Ratio Lower Upper
107 100
109 86.9 66.8 124.0
188 0.0 2.8 4.2#



#51
Chlorobenzene
Concen: 4.218 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

Tgt Ion:112 Resp: 19442
Ion Ratio Lower Upper
112 100
114 31.0 22.0 40.8
77 56.1 45.8 68.6

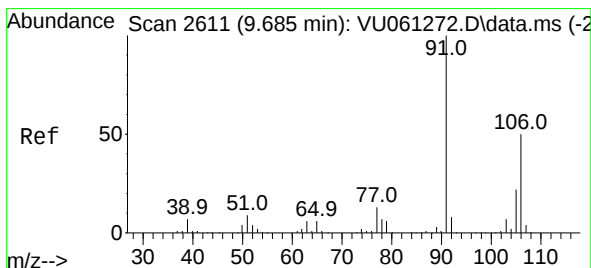
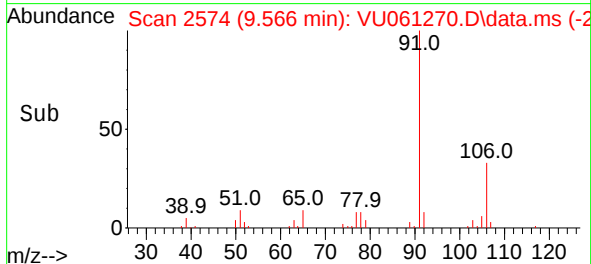
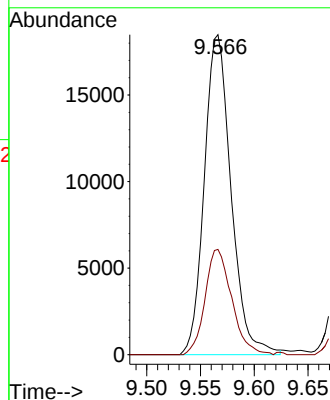
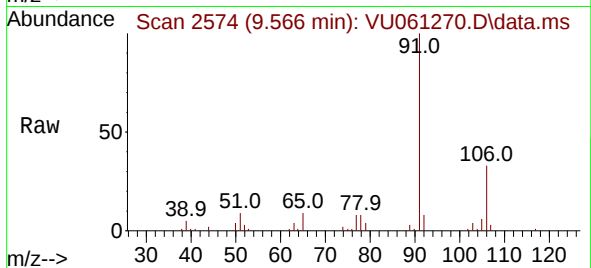




#52
Ethylbenzene
Concen: 4.277 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

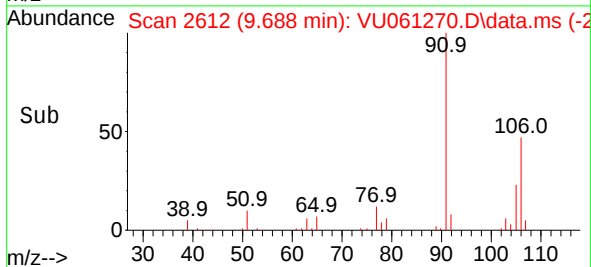
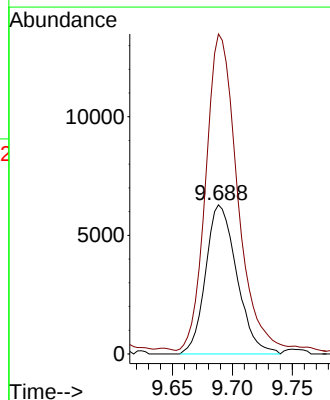
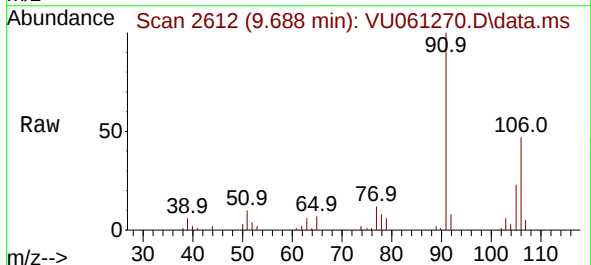
Instrument :
MSVOA_U
ClientSampleId :

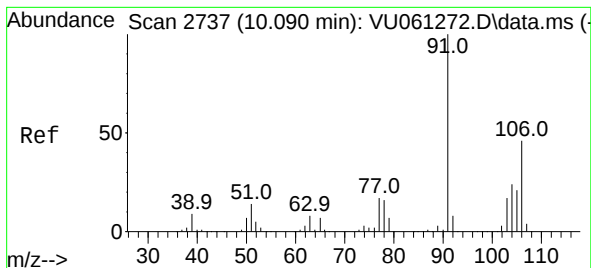
Tgt Ion: 91 Resp: 32030
Ion Ratio Lower Upper
91 100
106 35.4 21.6 40.2



#53
m,p-Xylene
Concen: 3.914 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

Tgt Ion:106 Resp: 11367
Ion Ratio Lower Upper
106 100
91 195.0 140.6 261.2





#54

o-Xylene

Concen: 4.309 ug/L

RT: 10.093 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

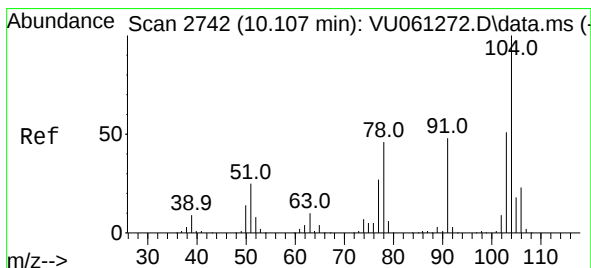
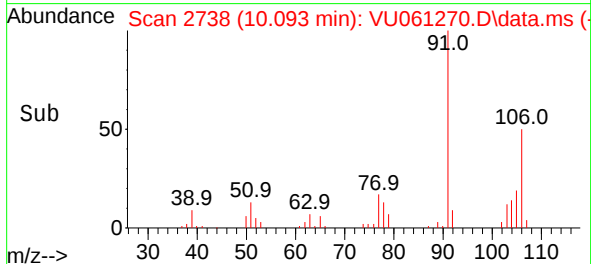
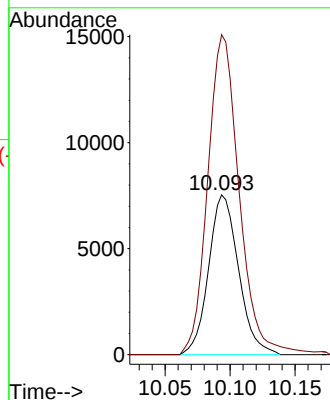
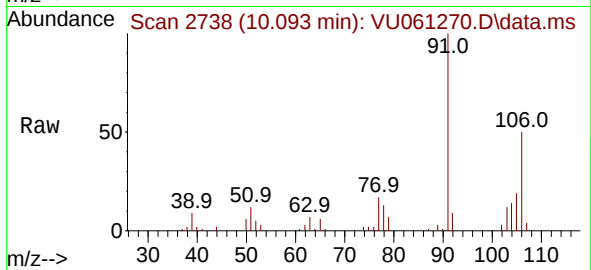
ClientSampleId :

Tgt Ion:106 Resp: 12092

Ion Ratio Lower Upper

106 100

91 200.1 152.7 283.7



#55

Styrene

Concen: 3.797 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.006 min

Lab File: VU061270.D

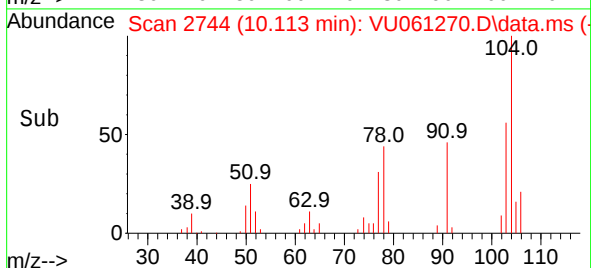
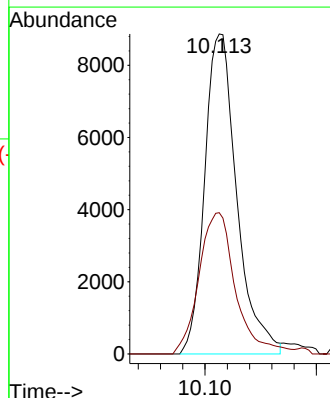
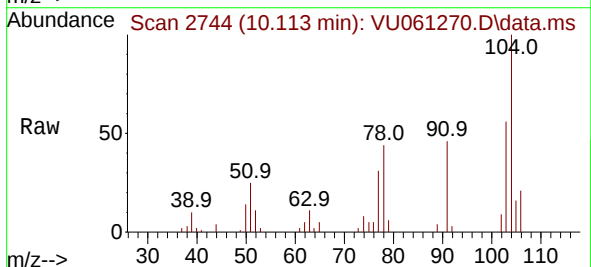
Acq: 28 Oct 2024 17:32

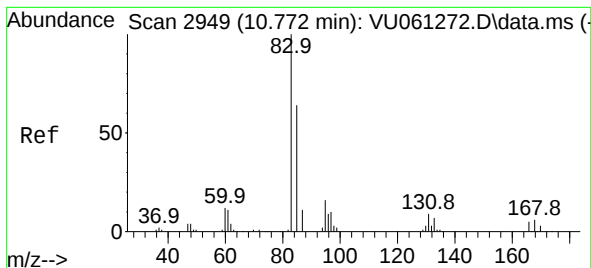
Tgt Ion:104 Resp: 17784

Ion Ratio Lower Upper

104 100

78 44.1 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.052 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU061270.D

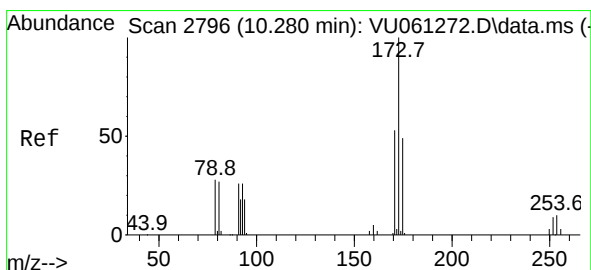
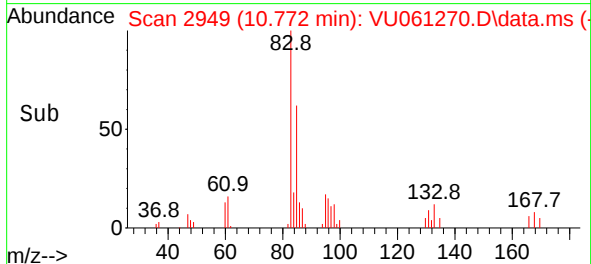
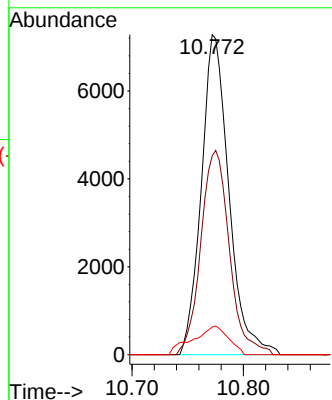
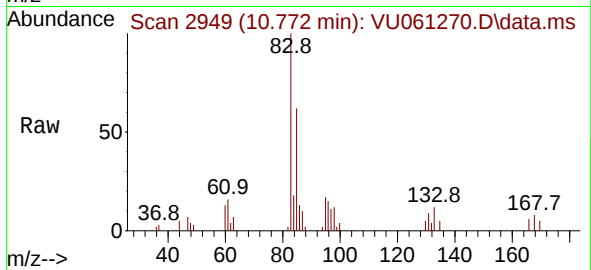
Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	12531
Ion Ratio	Lower	Upper	
83	100		
85	62.2	45.3	84.1
131	8.7	7.5	11.3



#59

Bromoform

Concen: 3.701 ug/L

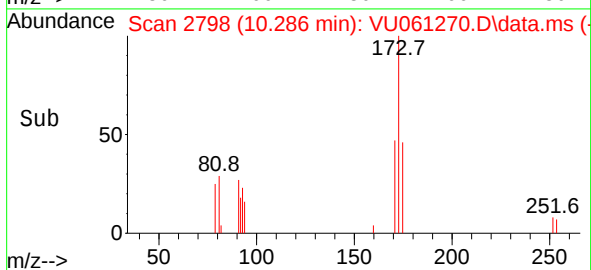
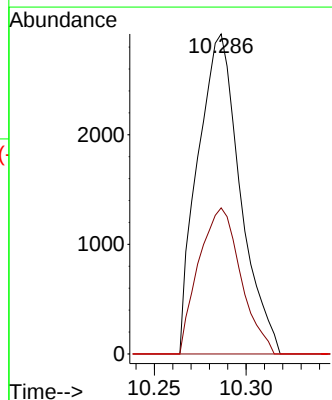
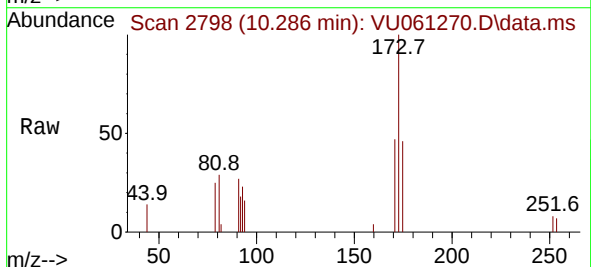
RT: 10.286 min Scan# 2798

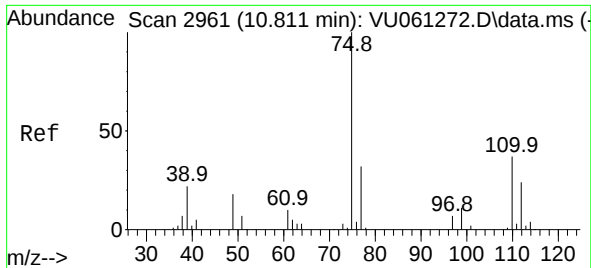
Delta R.T. 0.006 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Tgt Ion:	173	Resp:	4684
Ion Ratio	Lower	Upper	
173	100		
175	45.3	39.7	59.5
254	0.0	1.4	2.0

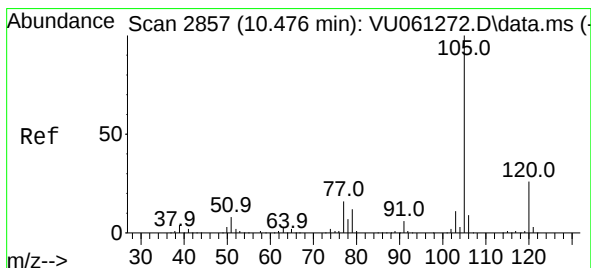
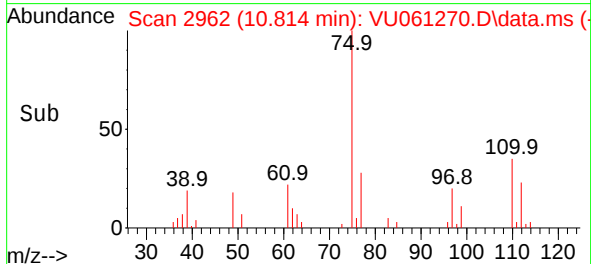
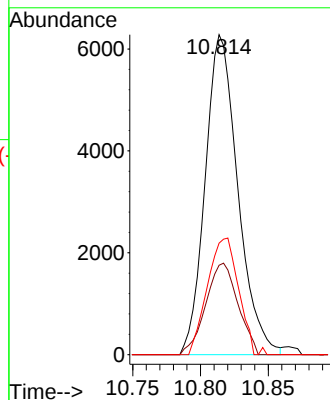
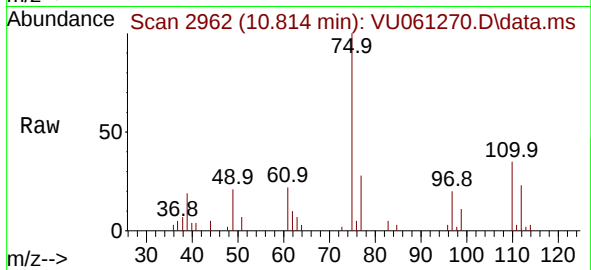




#60
1,2,3-Trichloropropane
Concen: 5.118 ug/L
RT: 10.814 min Scan# 2961
Delta R.T. 0.003 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

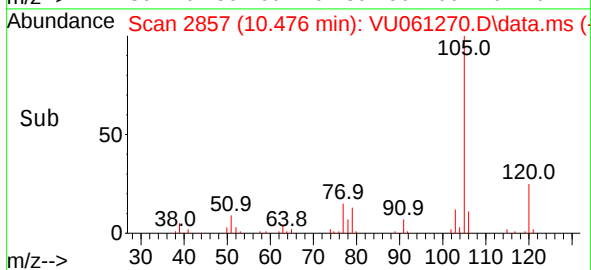
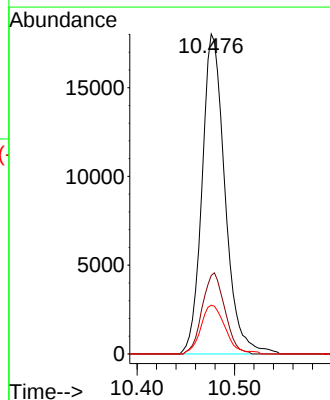
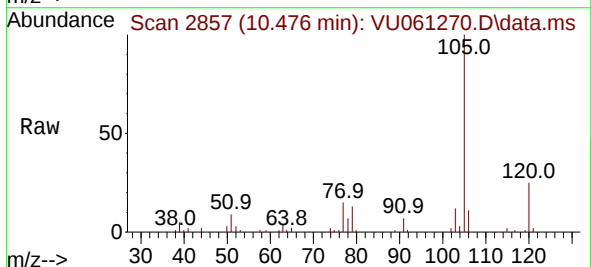
Instrument :
MSVOA_U
ClientSampleId :

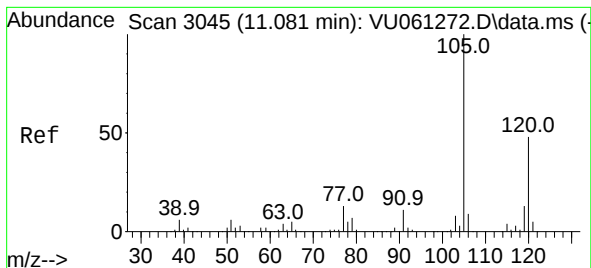
Tgt Ion: 75 Resp: 10531
Ion Ratio Lower Upper
75 100
77 28.2 25.5 38.3
110 34.5 29.8 44.6



#61
Isopropylbenzene
Concen: 4.667 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU061270.D
Acq: 28 Oct 2024 17:32

Tgt Ion: 105 Resp: 29442
Ion Ratio Lower Upper
105 100
120 25.0 20.8 31.2
77 16.0 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 4.994 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

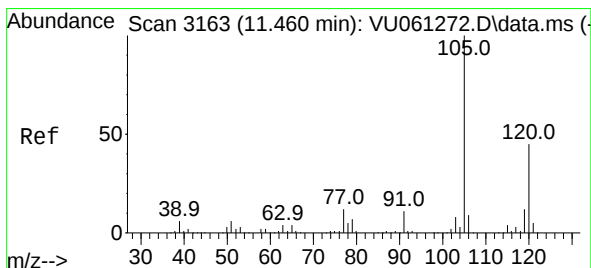
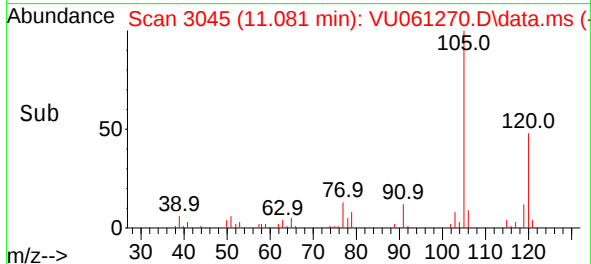
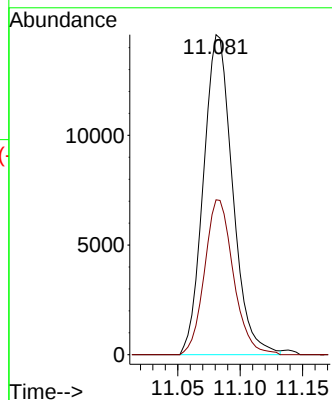
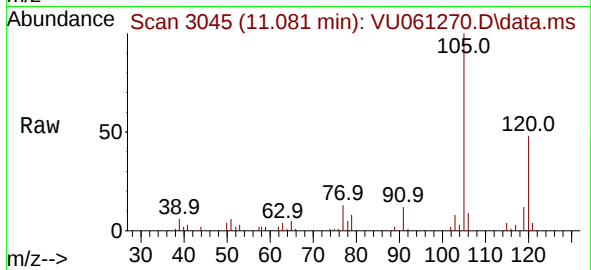
ClientSampleId :

Tgt Ion:105 Resp: 23694

Ion Ratio Lower Upper

105 100

120 47.9 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 4.521 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU061270.D

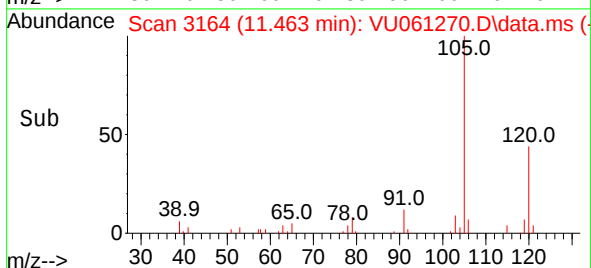
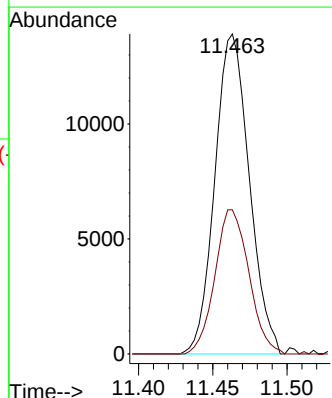
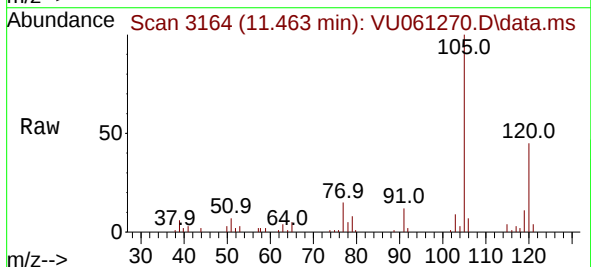
Acq: 28 Oct 2024 17:32

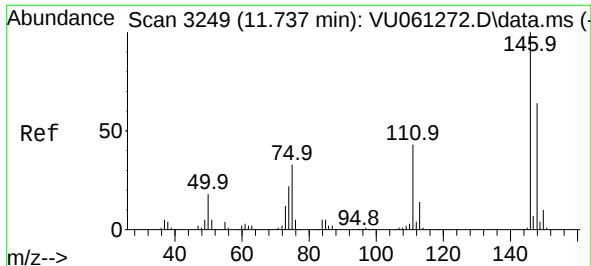
Tgt Ion:105 Resp: 22454

Ion Ratio Lower Upper

105 100

120 44.5 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 4.280 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

ClientSampleId :

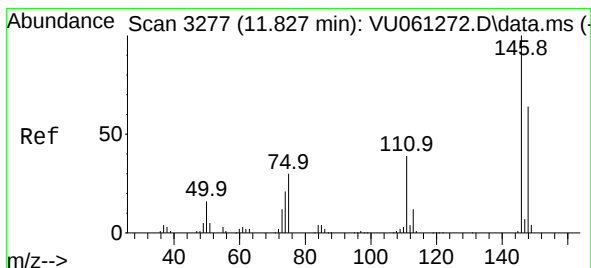
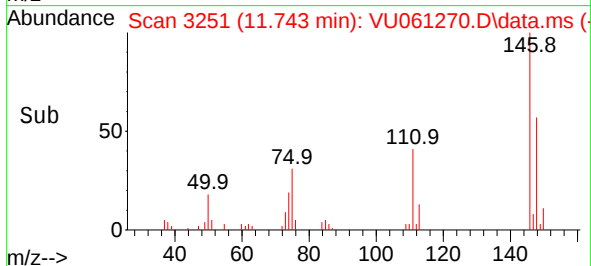
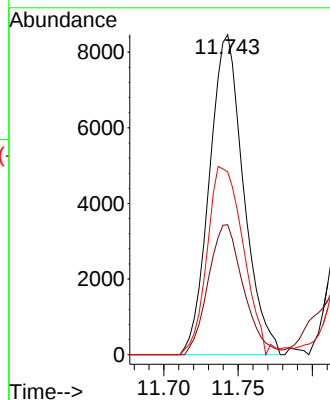
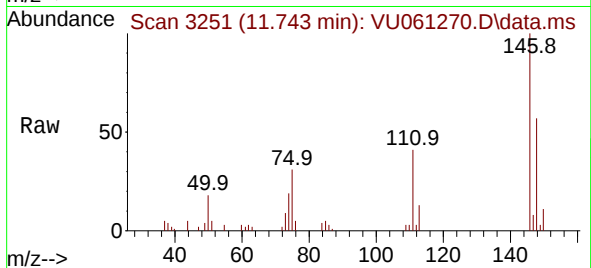
Tgt Ion:146 Resp: 13569

Ion Ratio Lower Upper

146 100

111 37.5 27.9 51.7

148 52.7 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 4.300 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

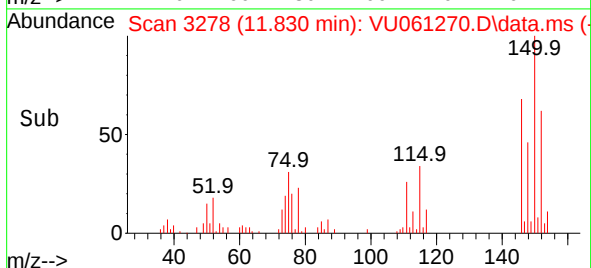
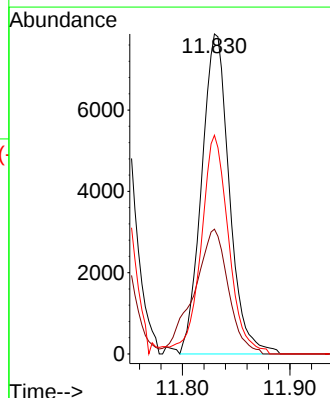
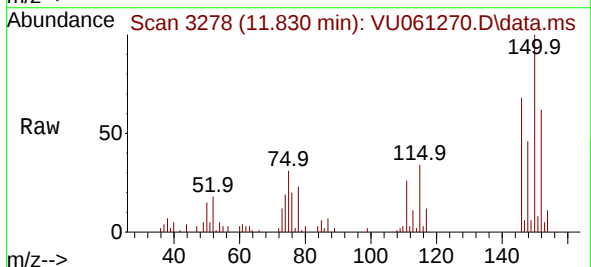
Tgt Ion:146 Resp: 14097

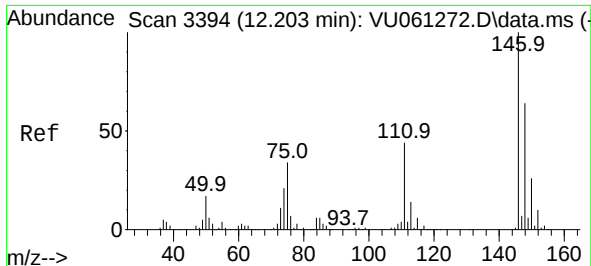
Ion Ratio Lower Upper

146 100

111 39.1 27.9 51.7

148 70.7 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.232 ug/L

RT: 12.209 min Scan# 3394

Delta R.T. 0.006 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

ClientSampleId :

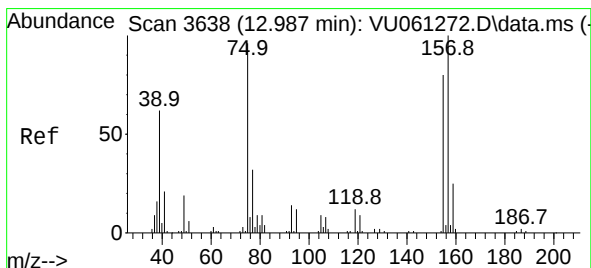
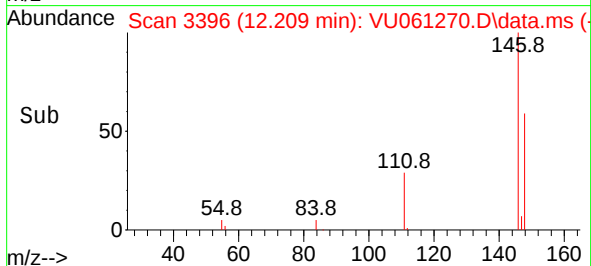
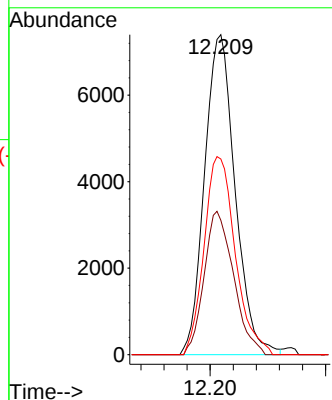
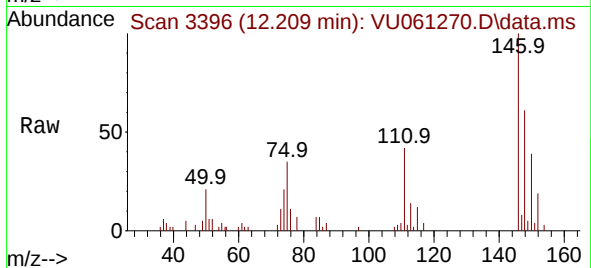
Tgt Ion:146 Resp: 13596

Ion Ratio Lower Upper

146 100

111 44.6 35.6 53.4

148 66.6 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 3.951 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

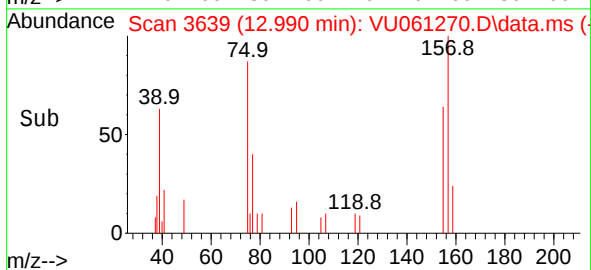
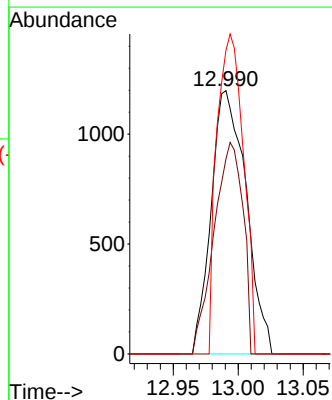
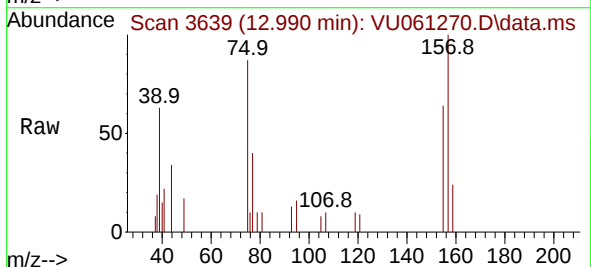
Tgt Ion: 75 Resp: 2236

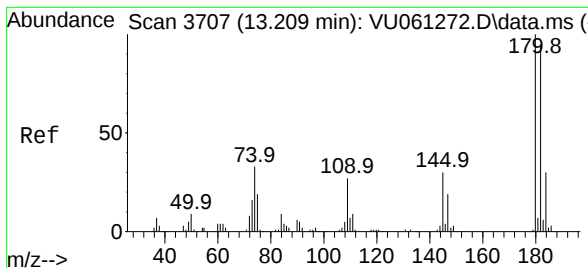
Ion Ratio Lower Upper

75 100

155 74.0 66.6 100.0

157 115.3 87.1 130.7





#69

1,3,5-Trichlorobenzene

Concen: 3.827 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.009 min

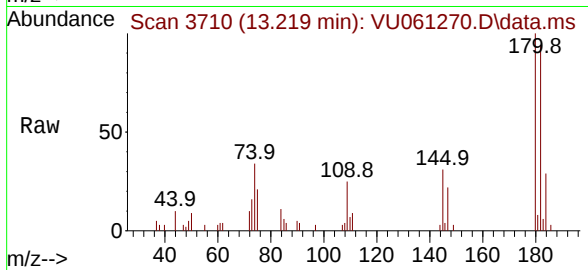
Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 8689

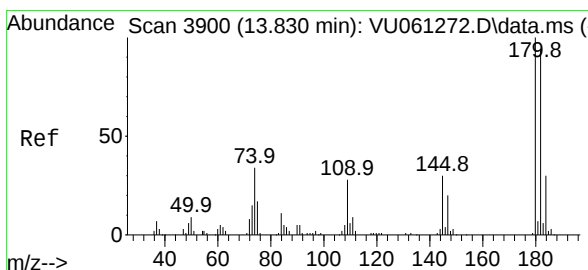
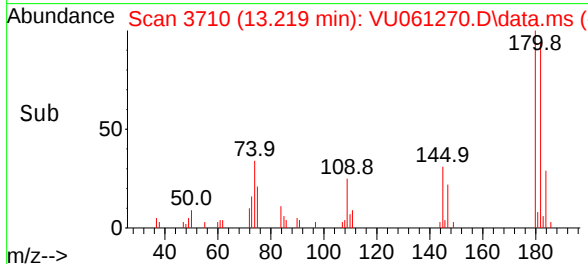
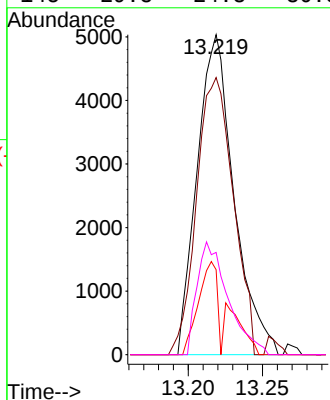
Ion Ratio Lower Upper

180 100

182 86.4 75.3 112.9

184 14.7 23.7 35.5#

145 29.8 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 3.140 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.009 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

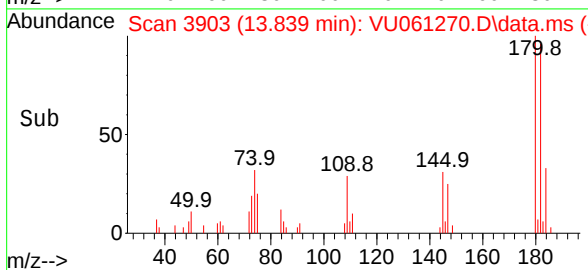
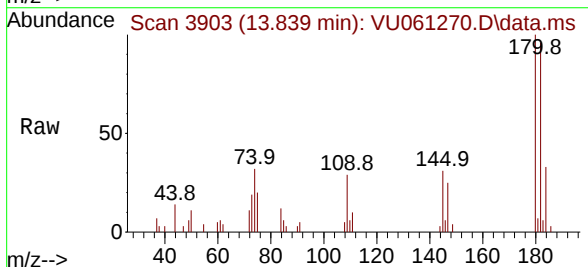
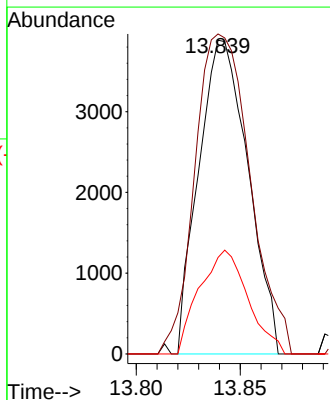
Tgt Ion:180 Resp: 6411

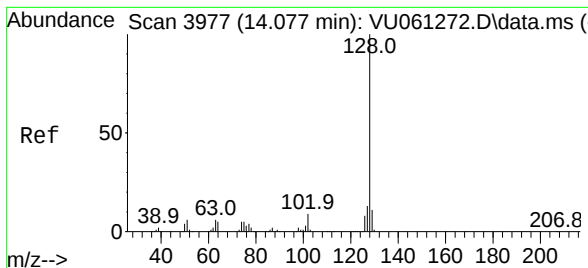
Ion Ratio Lower Upper

180 100

182 113.9 76.0 114.0

145 32.5 25.0 37.4





#71

Naphthalene

Concen: 2.882 ug/L

RT: 14.093 min Scan# 3982

Delta R.T. 0.016 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Instrument :

MSVOA_U

ClientSampleId :

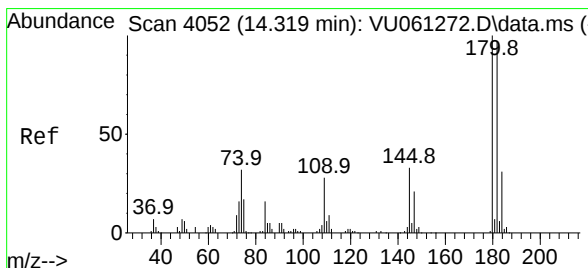
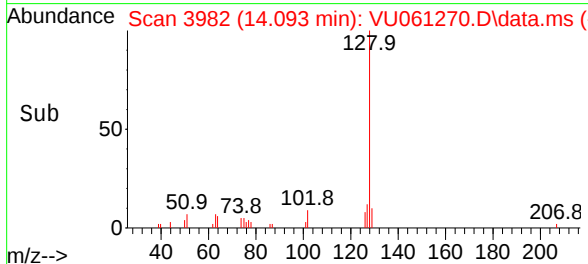
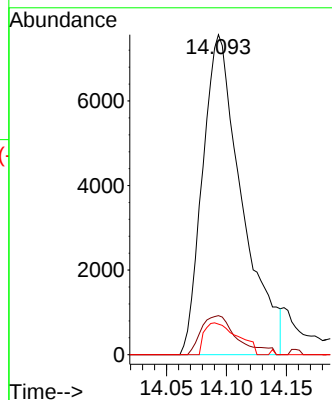
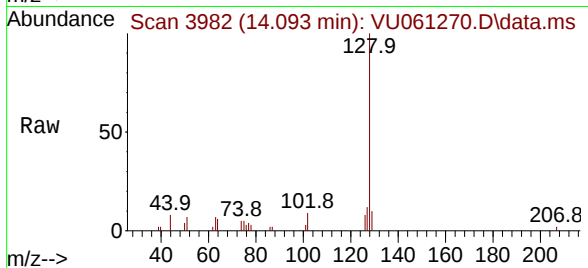
Tgt Ion:128 Resp: 17193

Ion Ratio Lower Upper

128 100

127 11.0 10.2 15.4

129 8.4 8.3 12.5



#72

1,2,3-Trichlorobenzene

Concen: 3.275 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.006 min

Lab File: VU061270.D

Acq: 28 Oct 2024 17:32

Tgt Ion:180 Resp: 6615

Ion Ratio Lower Upper

180 100

182 87.5 76.7 115.1

145 32.7 25.6 38.4

