

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121824\
 Data File : VU062423.D
 Acq On : 18 Dec 2024 15:12
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 19 00:09:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 18 01:12:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	93887	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	87904	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	46197	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22635	3.574	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.400%
7) Chloroethane-d5	1.908	69	18608	4.131	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.560	65	11706	3.886	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.800%
20) 2-Butanone-d5	4.624	46	55023	45.336	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.680%
24) Chloroform-d	5.052	84	63930	4.664	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.695	65	31649	4.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.718	84	106688	4.214	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.679	67	31261	4.315	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.891	98	101738	4.254	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.174	79	13973	4.382	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.627	63	43280	44.992	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.980%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	25639	4.548	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	39984	4.697	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	41160	4.680	ug/L	100
3) Chloromethane	1.515	50	29902	4.338	ug/L	100
5) Vinyl chloride	1.599	62	32063	4.467	ug/L	100
6) Bromomethane	1.853	94	22796	4.765	ug/L	99
8) Chloroethane	1.927	64	18045	4.489	ug/L	99
9) Trichlorofluoromethane	2.133	101	65119	5.227	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	33301	4.911	ug/L	89
12) 1,1-Dichloroethene	2.573	96	28909	4.560	ug/L	93
13) Acetone	2.641	43	39411	47.693	ug/L	95
14) Carbon disulfide	2.785	76	81043	4.043	ug/L	100
15) Methyl Acetate	2.953	43	8631	4.167	ug/L #	85
16) Methylene chloride	3.036	84	32853	4.937	ug/L	87
17) Methyl tert-butyl Ether	3.358	73	76354	4.835	ug/L	96
18) trans-1,2-Dichloroethene	3.345	96	30818	4.732	ug/L	90
19) 1,1-Dichloroethane	3.859	63	56109	4.700	ug/L	98
21) 2-Butanone	4.708	43	58006	48.336	ug/L	94
22) cis-1,2-Dichloroethene	4.657	96	36518	5.002	ug/L	93
23) Bromochloromethane	4.965	128	16948	5.296	ug/L #	74
25) Chloroform	5.078	83	70129	5.215	ug/L	99

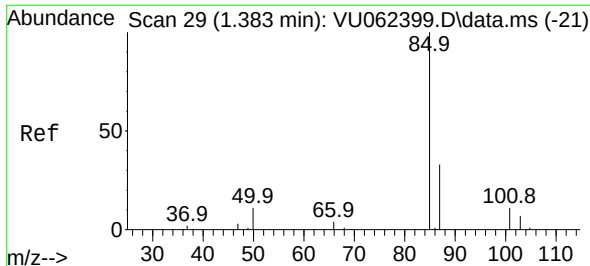
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121824\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	42090	4.925	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	66113	5.346	ug/L	94
30) Cyclohexane	5.380	56	41849	4.174	ug/L	88
31) Carbon tetrachloride	5.515	117	60835	5.365	ug/L	98
33) Benzene	5.766	78	127585	4.684	ug/L	100
34) Trichloroethene	6.534	95	41345	5.358	ug/L	94
35) Methylcyclohexane	6.753	83	50950	4.453	ug/L	93
37) 1,2-Dichloropropane	6.782	63	31830	4.798	ug/L	98
38) Bromodichloromethane	7.097	83	47944	5.122	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	51241	4.819	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	146245	47.037	ug/L #	90
42) Toluene	7.962	91	144042	4.904	ug/L	96
44) trans-1,3-Dichloropropene	8.203	75	43651	5.027	ug/L	98
45) 1,1,2-Trichloroethane	8.390	97	26161	5.224	ug/L	92
47) Tetrachloroethene	8.547	164	30734	5.158	ug/L	94
48) 2-Hexanone	8.676	43	107209	46.659	ug/L #	94
49) Dibromochloromethane	8.801	129	33702	5.570	ug/L	98
50) 1,2-Dibromoethane	8.917	107	24708	5.134	ug/L #	98
51) Chlorobenzene	9.438	112	94268	5.008	ug/L	97
52) Ethylbenzene	9.563	91	158195	4.803	ug/L	99
53) m,p-Xylene	9.685	106	61982	5.097	ug/L	98
54) o-Xylene	10.094	106	59075	4.995	ug/L	99
55) Styrene	10.107	104	100502	5.156	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	28987	4.973	ug/L #	94
59) Bromoform	10.283	173	20872	5.749	ug/L	98
60) Isopropylbenzene	10.476	105	165343	4.954	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	20884	4.889	ug/L #	91
62) 1,3,5-Trimethylbenzene	11.081	105	136731	4.841	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	134508	4.861	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	77510	5.056	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	76980	4.987	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	71740	5.064	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	4978	5.342	ug/L	86
69) 1,3,5-Trichlorobenzene	13.213	180	59701	5.239	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	44248	4.918	ug/L	98
71) Naphthalene	14.081	128	56215	4.161	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	37533	4.730	ug/L	98

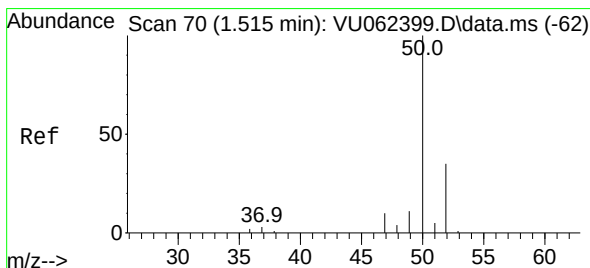
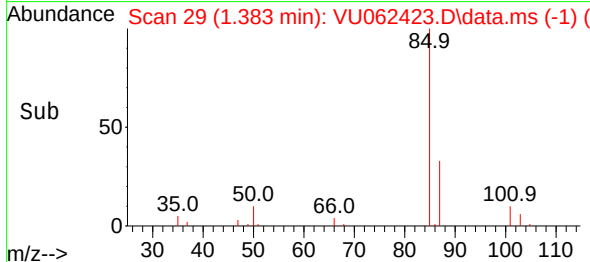
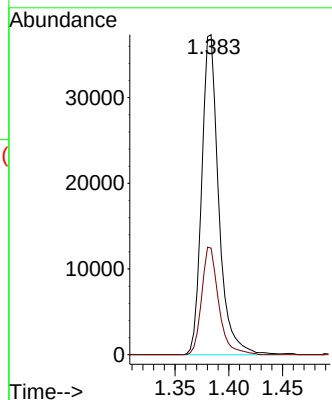
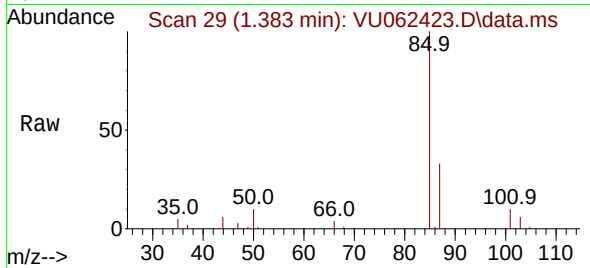
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.680 ug/L
 RT: 1.383 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU062423.D
 Acq: 18 Dec 2024 15:12

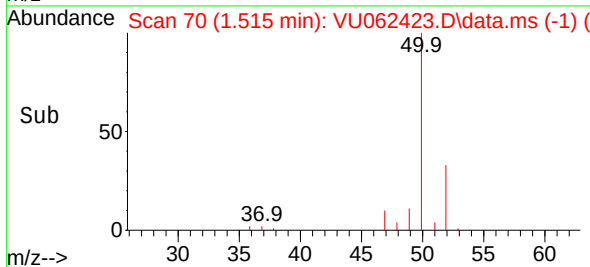
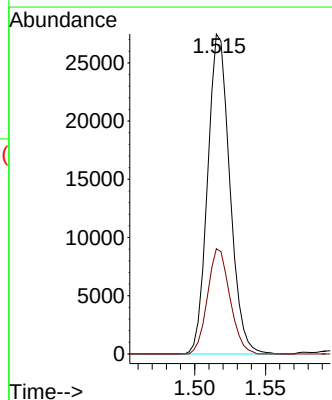
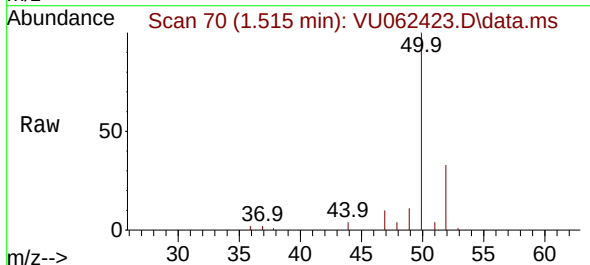
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 MSVOA_U
 ClientSampleId :

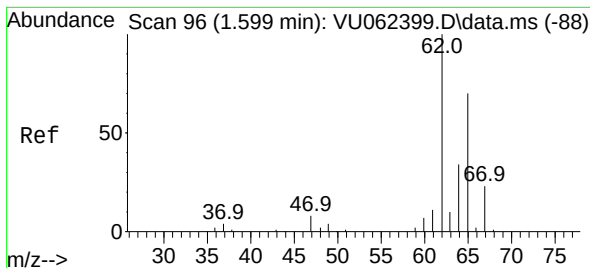
Tgt Ion: 85 Resp: 41160
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.6 40.0



#3
 Chloromethane
 Concen: 4.338 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU062423.D
 Acq: 18 Dec 2024 15:12

Tgt Ion: 50 Resp: 29902
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.1 42.9





#5

Vinyl chloride

Concen: 4.467 ug/L

RT: 1.599 min Scan# 9

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

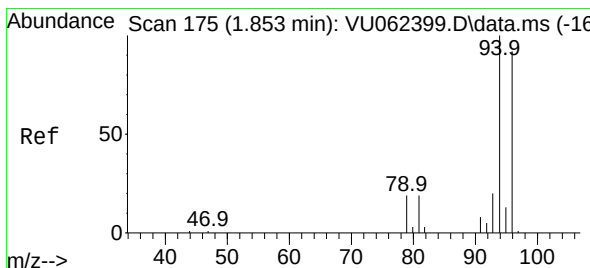
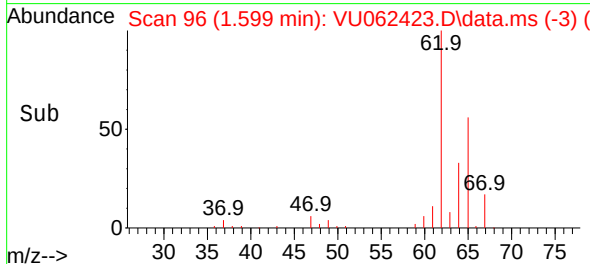
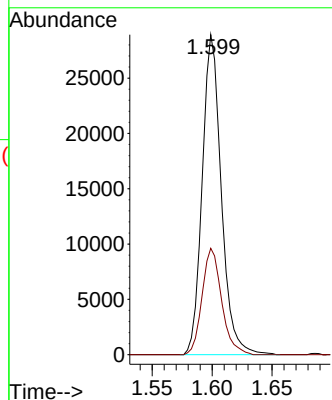
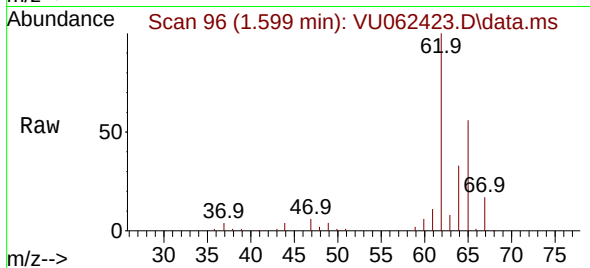
ClientSampleId :

Tgt Ion: 62 Resp: 32063

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#6

Bromomethane

Concen: 4.765 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU062423.D

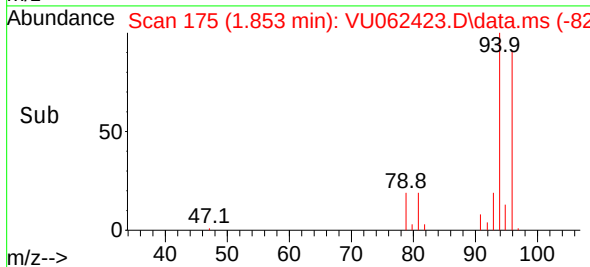
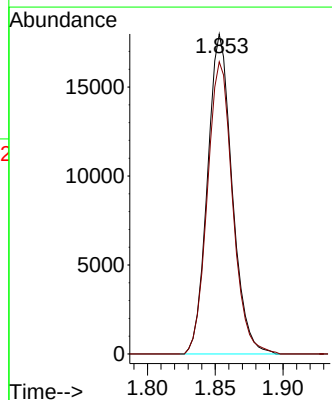
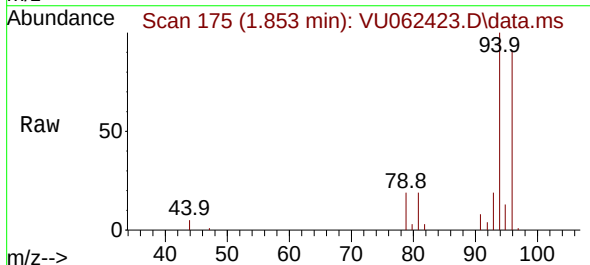
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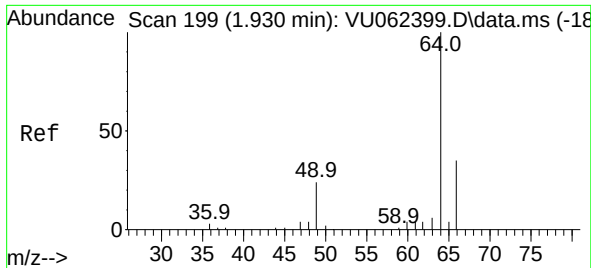
Tgt Ion: 94 Resp: 22796

Ion Ratio Lower Upper

94 100

96 91.3 64.5 119.9

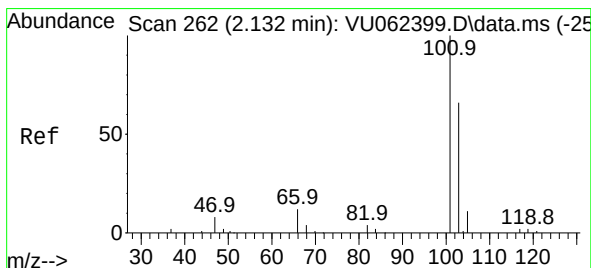
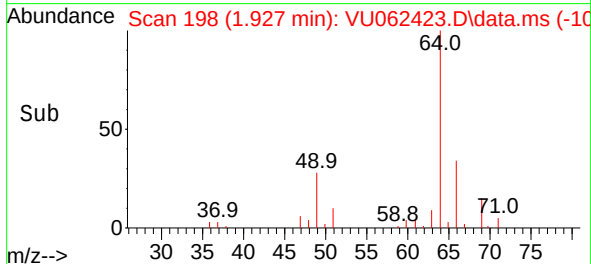
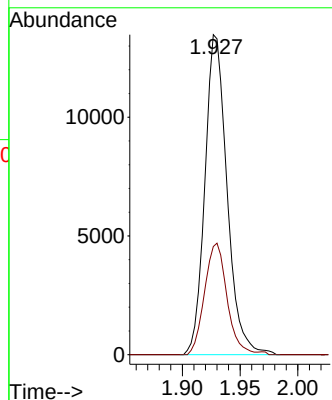
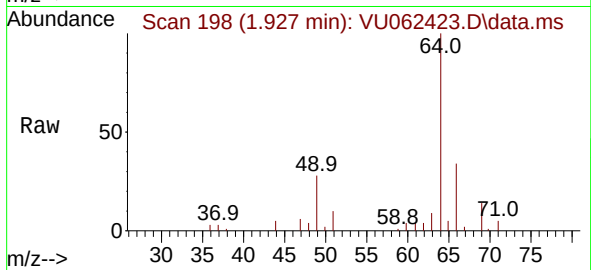




#8
Chloroethane
Concen: 4.489 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

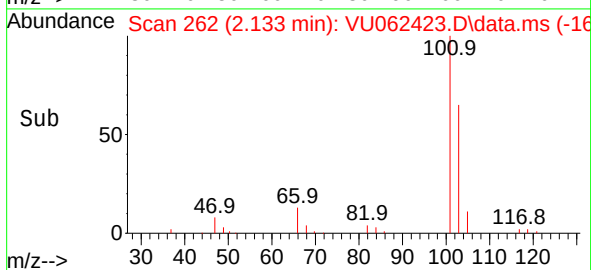
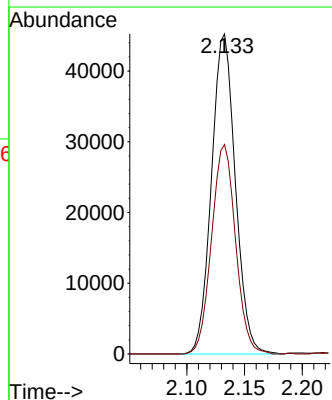
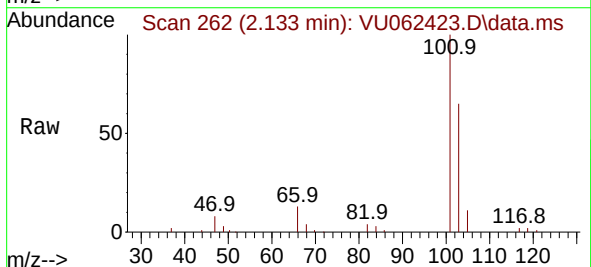
Instrument :
MSVOA_U
ClientSampleId :

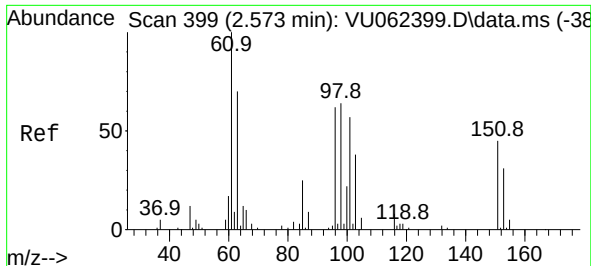
Tgt Ion: 64 Resp: 18045
Ion Ratio Lower Upper
64 100
66 33.8 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.227 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Tgt Ion:101 Resp: 65119
Ion Ratio Lower Upper
101 100
103 65.6 50.6 75.8

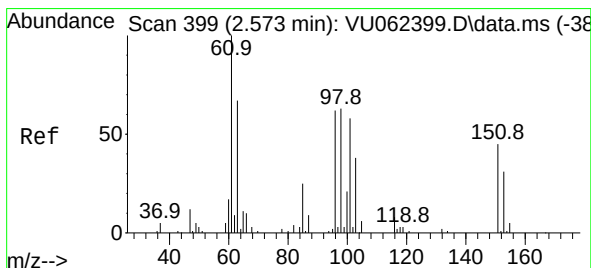
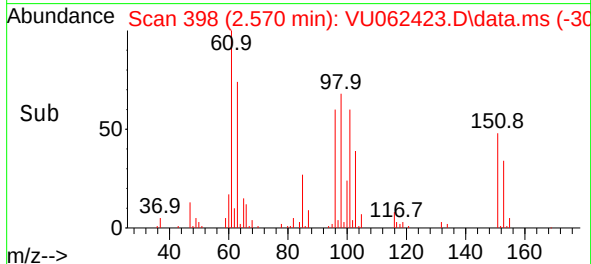
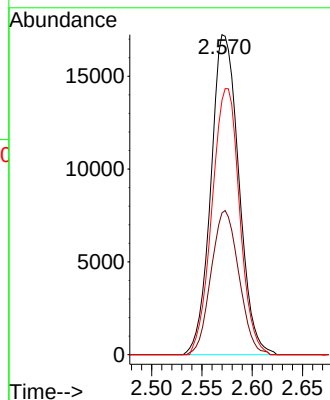
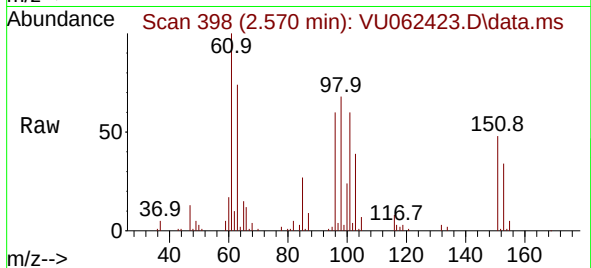




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.911 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU062423.D
 Acq: 18 Dec 2024 15:12

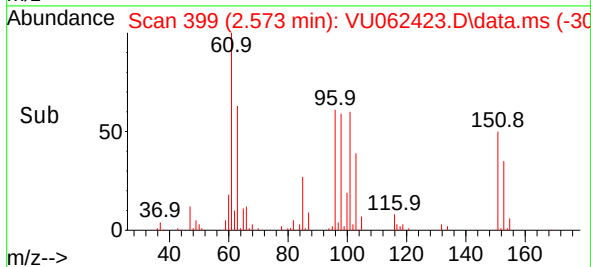
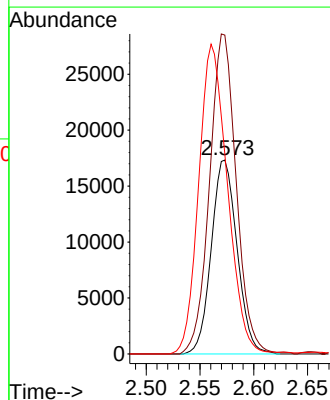
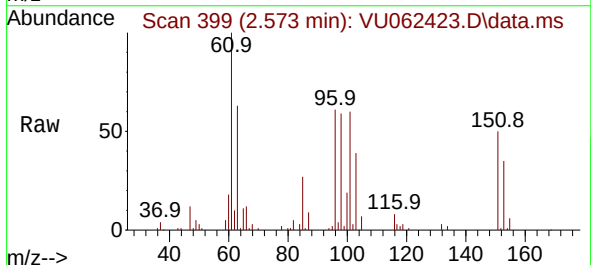
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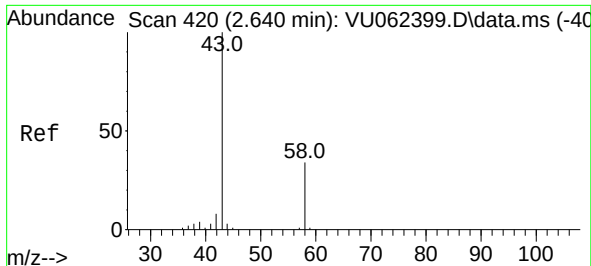
Tgt Ion:101 Resp: 33301
 Ion Ratio Lower Upper
 101 100
 85 44.8 38.0 57.0
 151 82.1 55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 4.560 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU062423.D
 Acq: 18 Dec 2024 15:12

Tgt Ion: 96 Resp: 28909
 Ion Ratio Lower Upper
 96 100
 61 164.5 119.6 222.2
 63 103.0 65.0 120.6





#13

Acetone

Concen: 47.693 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

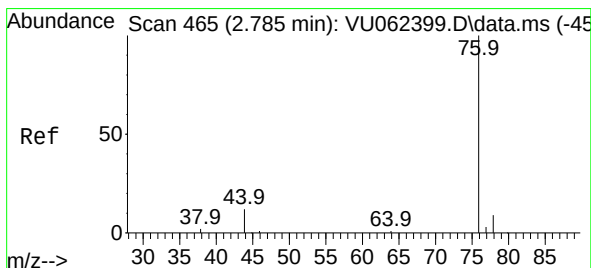
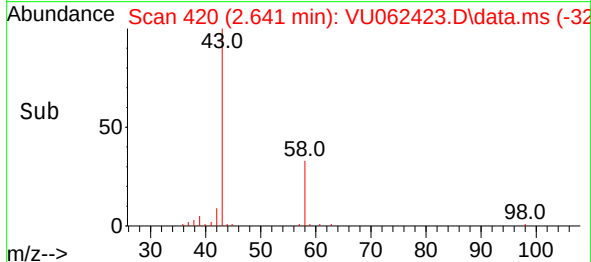
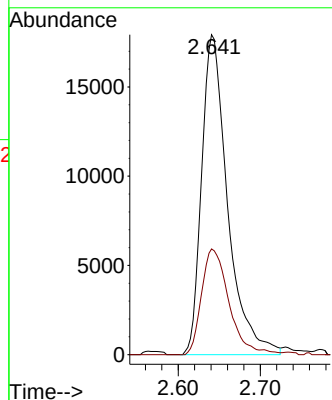
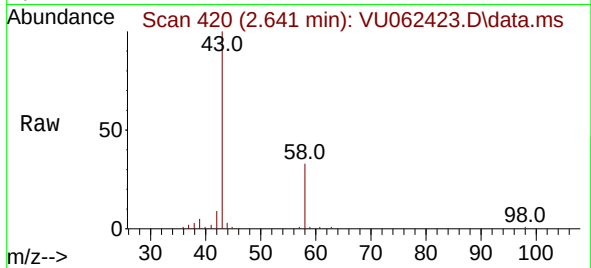
ClientSampleId :

Tgt Ion: 43 Resp: 39411

Ion Ratio Lower Upper

43 100

58 34.8 0.0 64.0



#14

Carbon disulfide

Concen: 4.043 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU062423.D

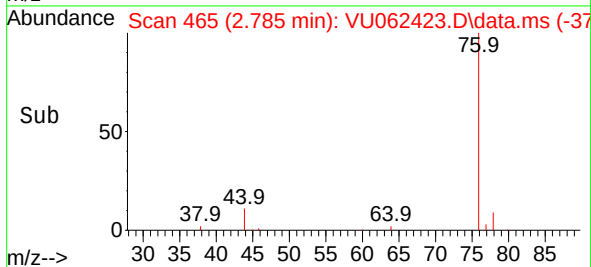
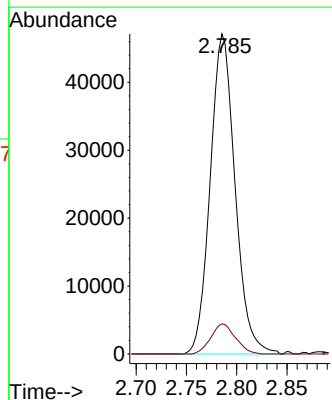
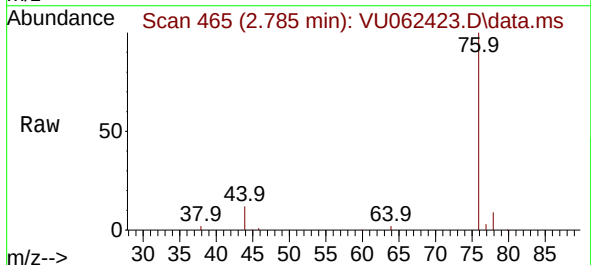
Acq: 18 Dec 2024 15:12

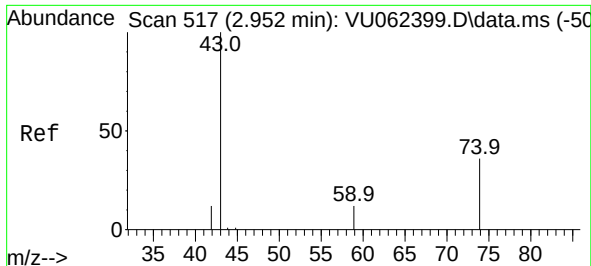
Tgt Ion: 76 Resp: 81043

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#15

Methyl Acetate

Concen: 4.167 ug/L

RT: 2.953 min Scan# 517

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

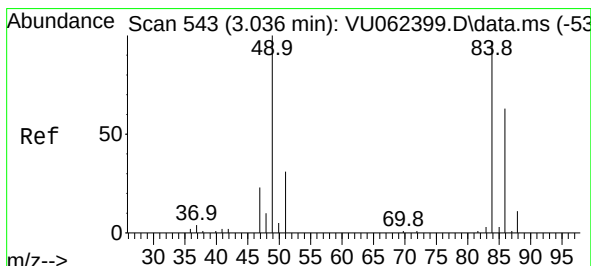
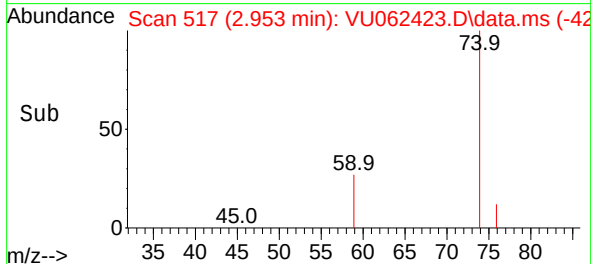
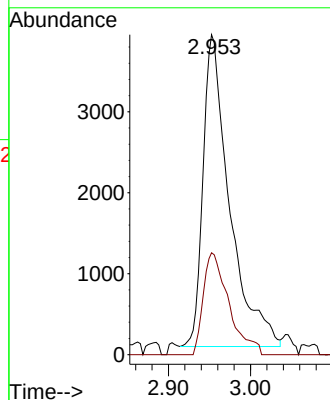
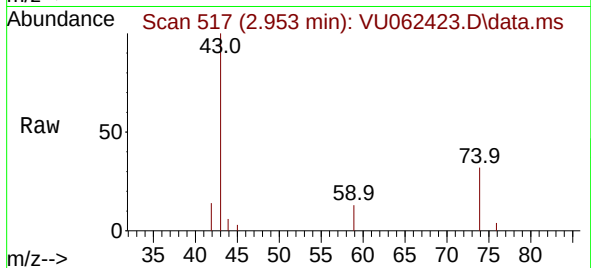
ClientSampleId :

Tgt Ion: 43 Resp: 8631

Ion Ratio Lower Upper

43 100

74 31.5 19.4 29.2#



#16

Methylene chloride

Concen: 4.937 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

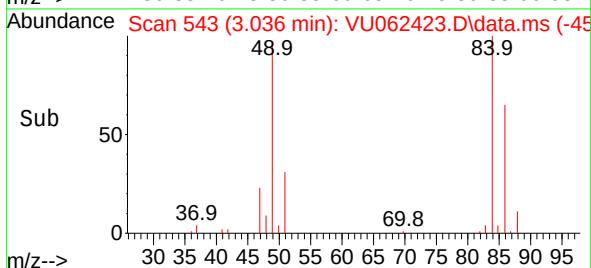
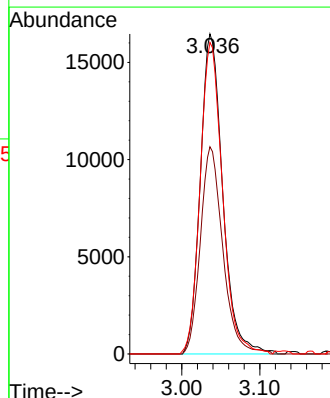
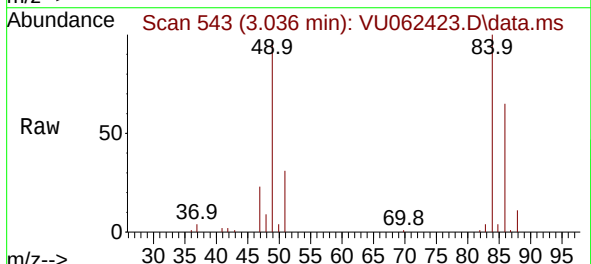
Tgt Ion: 84 Resp: 32853

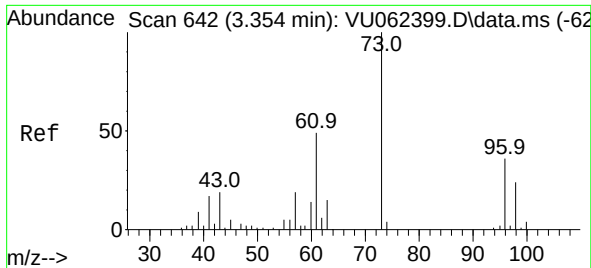
Ion Ratio Lower Upper

84 100

86 64.8 43.5 80.7

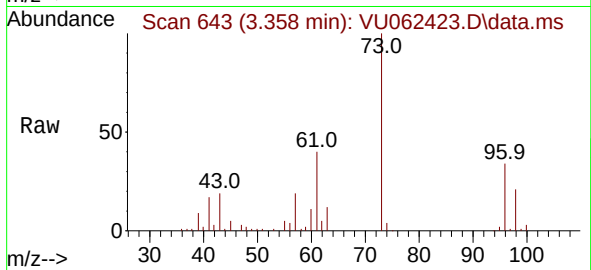
49 97.4 81.9 152.1



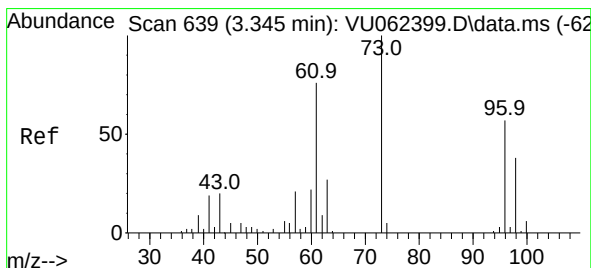
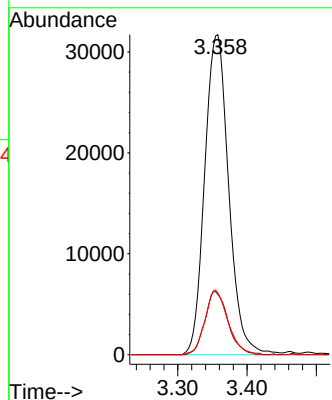
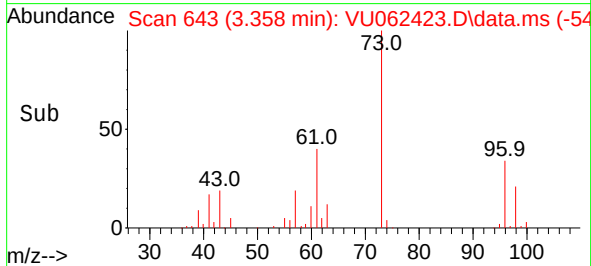


#17
Methyl tert-butyl Ether
Concen: 4.835 ug/L
RT: 3.358 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Instrument :
MSVOA_U
ClientSampleId :

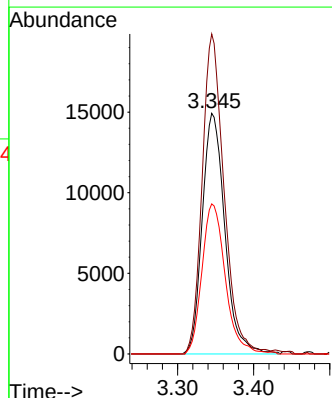
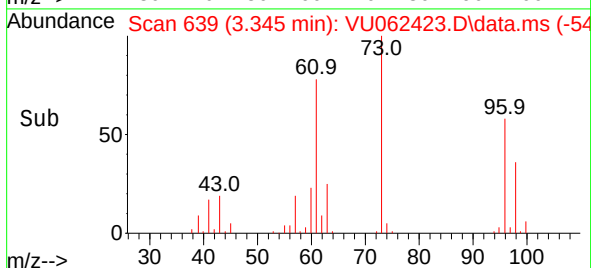
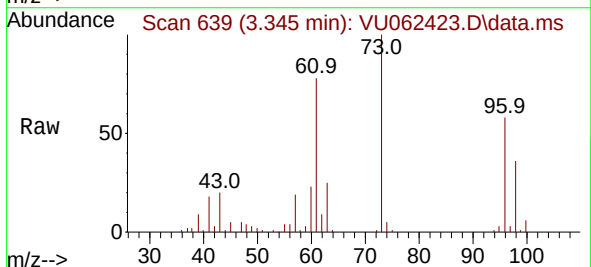


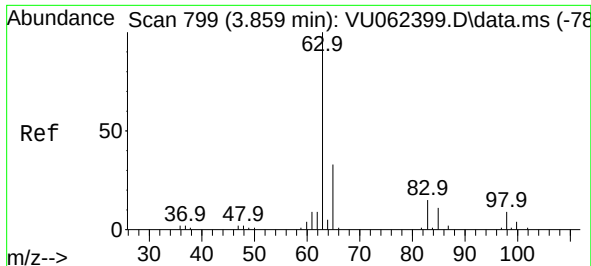
Tgt Ion: 73 Resp: 76354
Ion Ratio Lower Upper
73 100
43 19.1 16.3 24.5
57 19.1 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.732 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Tgt Ion: 96 Resp: 30818
Ion Ratio Lower Upper
96 100
61 133.0 104.2 193.4
98 62.4 45.7 84.9

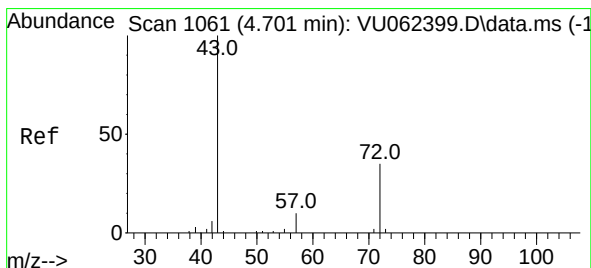
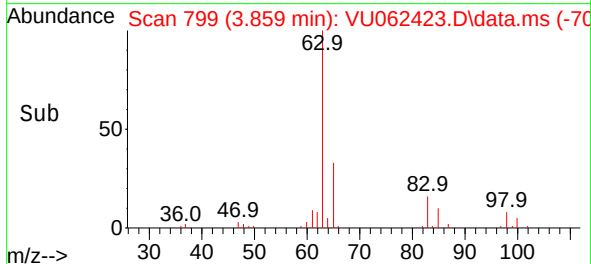
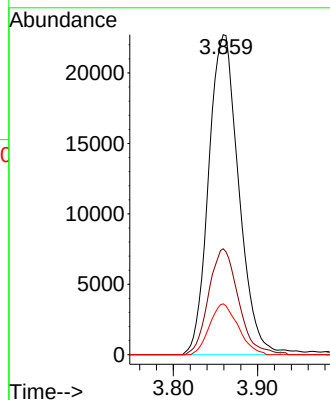
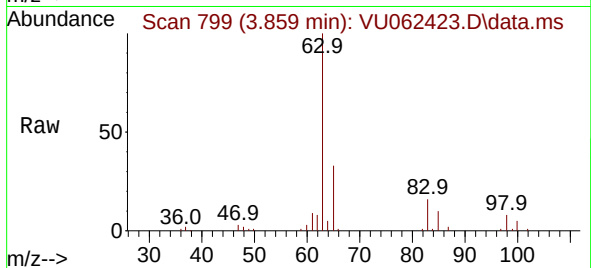




#19
1,1-Dichloroethane
Concen: 4.700 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

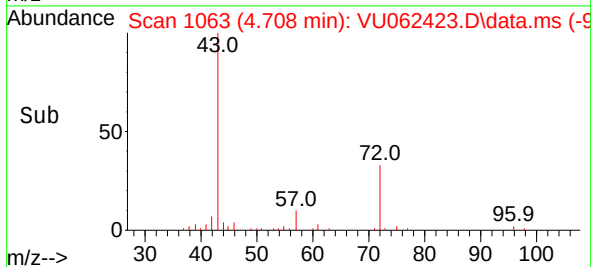
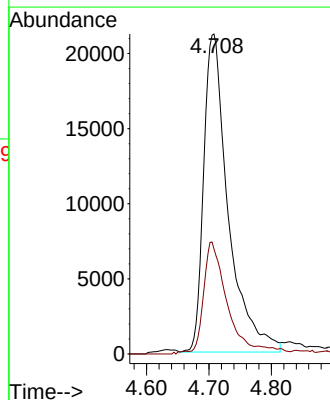
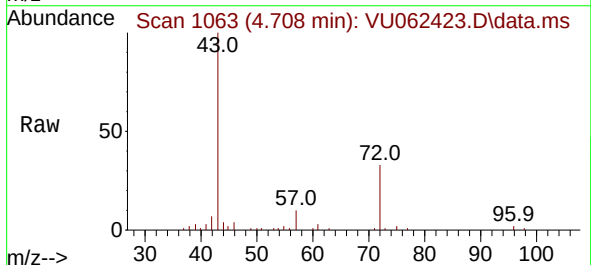
Instrument :
MSVOA_U
ClientSampleId :

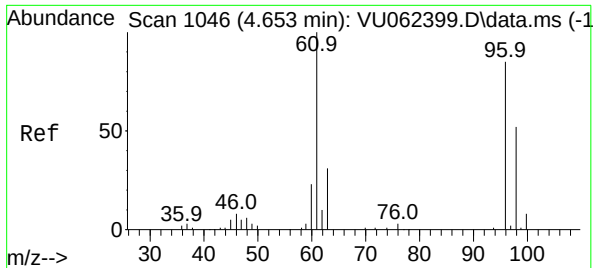
Tgt Ion: 63 Resp: 56109
Ion Ratio Lower Upper
63 100
65 33.1 22.7 42.3
83 15.9 9.9 18.3



#21
2-Butanone
Concen: 48.336 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.007 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

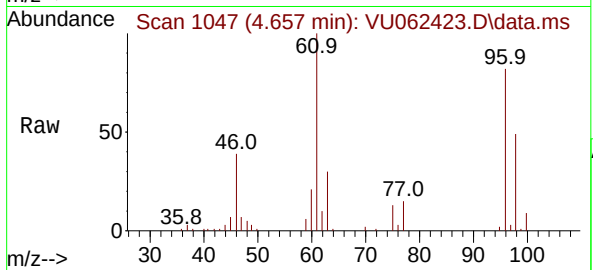
Tgt Ion: 43 Resp: 58006
Ion Ratio Lower Upper
43 100
72 32.6 14.8 44.4



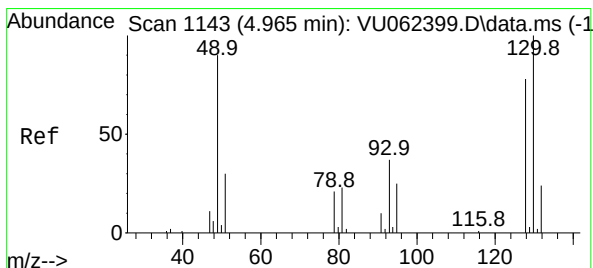
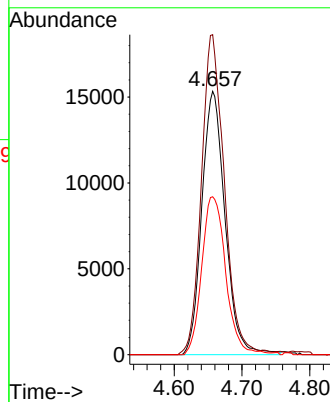
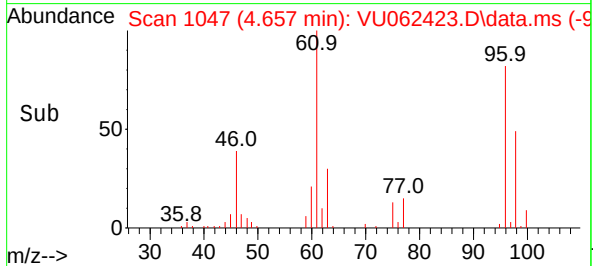


#22
cis-1,2-Dichloroethene
Concen: 5.002 ug/L
RT: 4.657 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

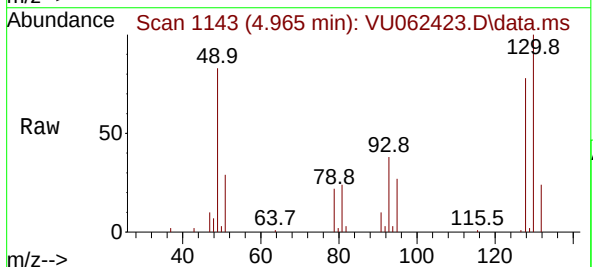
Instrument :
MSVOA_U
ClientSampleId :



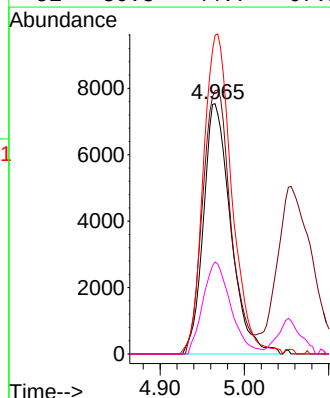
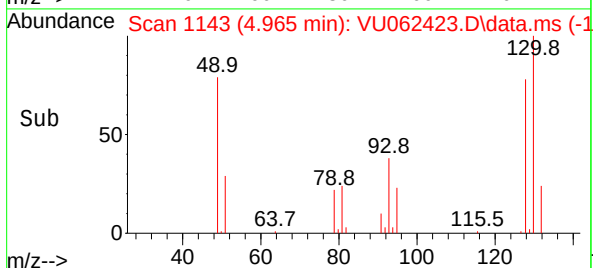
Tgt Ion: 96 Resp: 36518
Ion Ratio Lower Upper
96 100
61 121.5 92.0 170.8
98 60.0 44.5 82.7

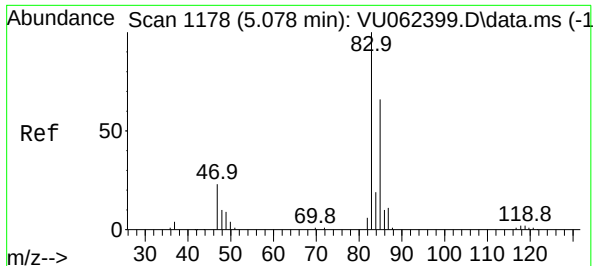


#23
Bromochloromethane
Concen: 5.296 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12



Tgt Ion:128 Resp: 16948
Ion Ratio Lower Upper
128 100
49 105.2 115.3 214.1#
130 127.4 92.0 170.8
51 36.8 44.7 67.1#





#25

Chloroform

Concen: 5.215 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

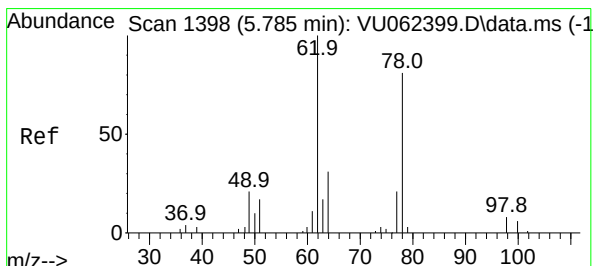
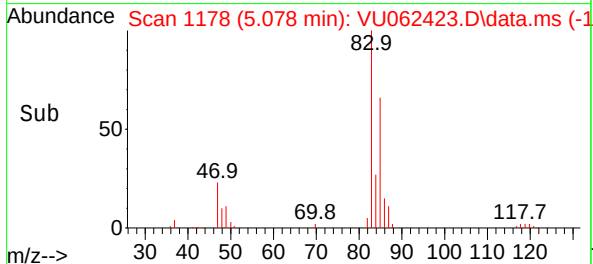
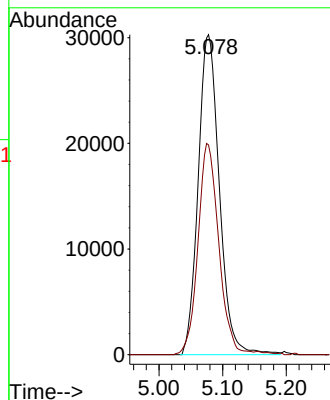
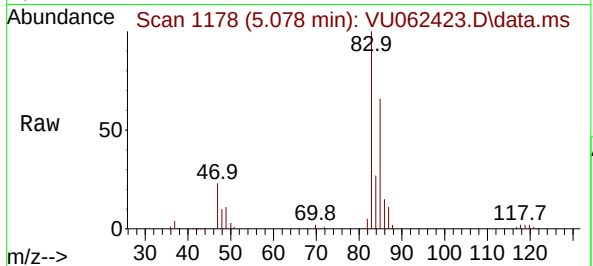
ClientSampleId :

Tgt Ion: 83 Resp: 70129

Ion Ratio Lower Upper

83 100

85 65.5 45.4 84.2



#27

1,2-Dichloroethane

Concen: 4.925 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU062423.D

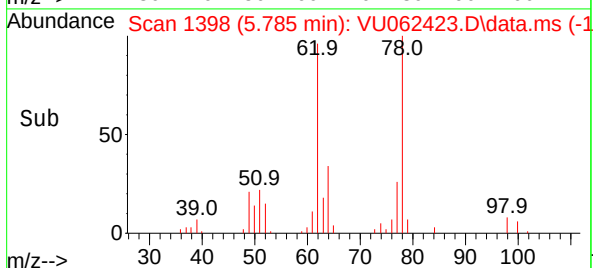
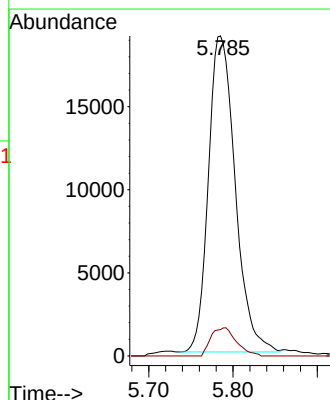
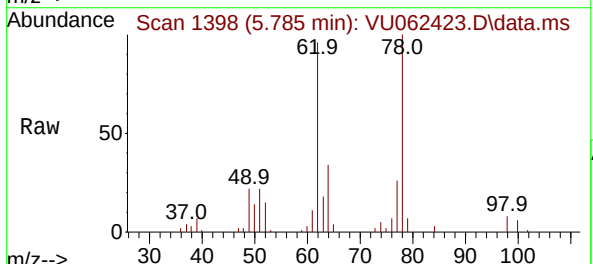
Acq: 18 Dec 2024 15:12

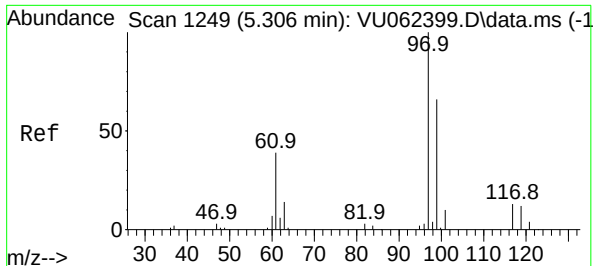
Tgt Ion: 62 Resp: 42090

Ion Ratio Lower Upper

62 100

98 8.3 7.4 11.0

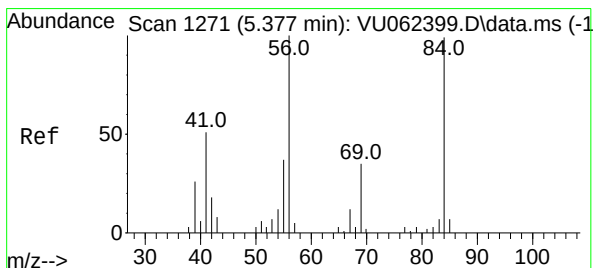
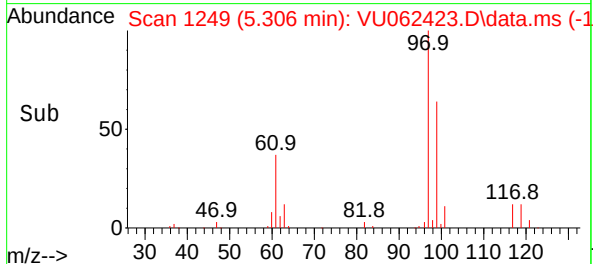
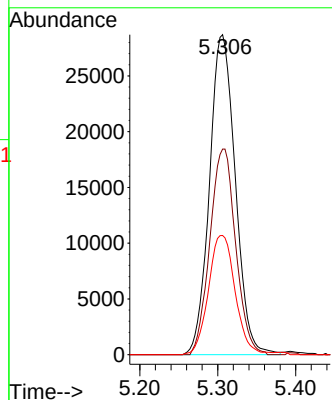
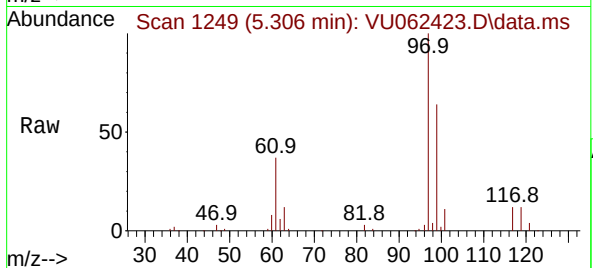




#29
1,1,1-Trichloroethane
Concen: 5.346 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

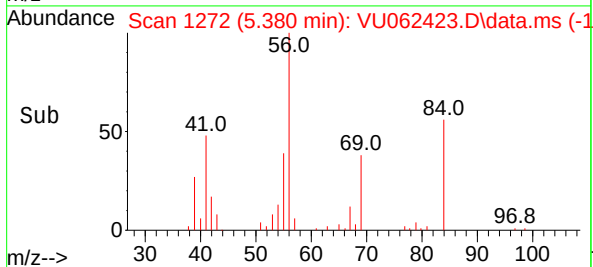
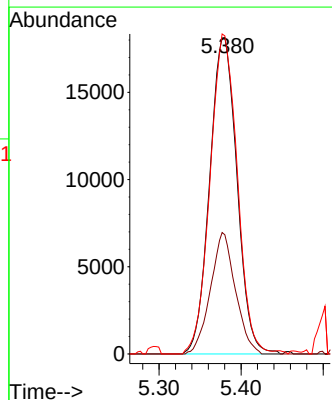
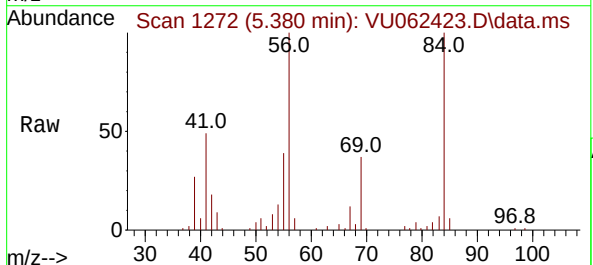
Instrument :
MSVOA_U
ClientSampleId :

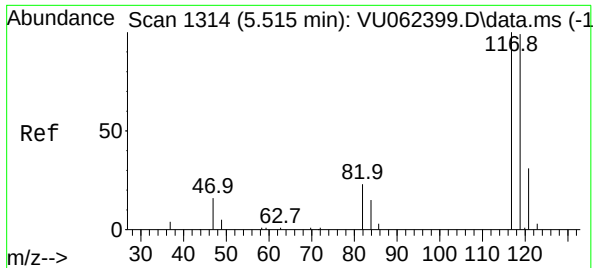
Tgt Ion: 97 Resp: 66113
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 38.6 37.8 56.6



#30
Cyclohexane
Concen: 4.174 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.003 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Tgt Ion: 56 Resp: 41849
Ion Ratio Lower Upper
56 100
69 35.2 25.1 37.7
84 100.9 70.6 105.8

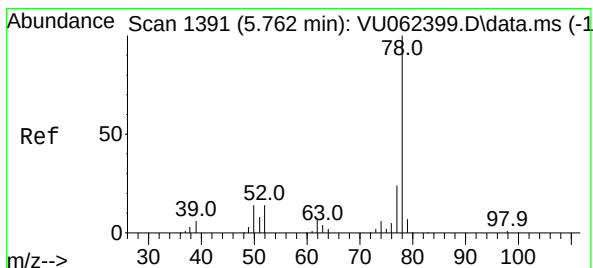
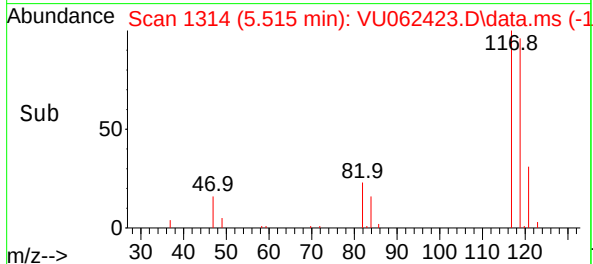
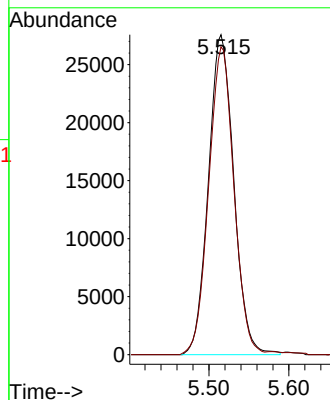
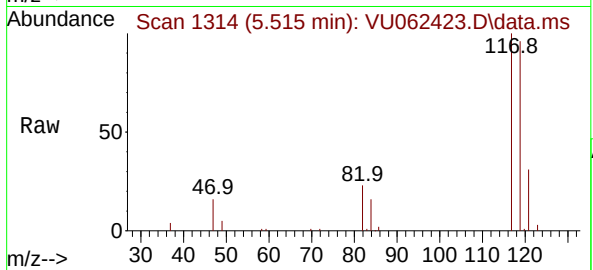




#31
Carbon tetrachloride
Concen: 5.365 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

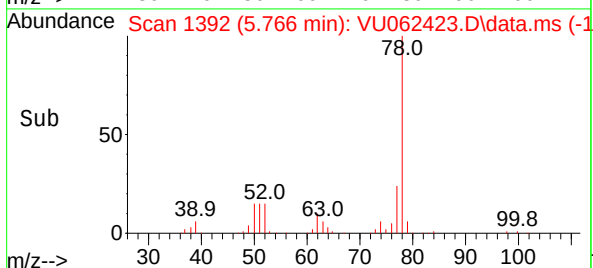
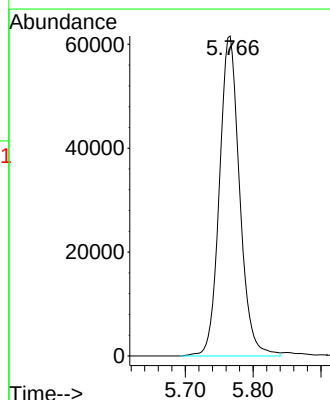
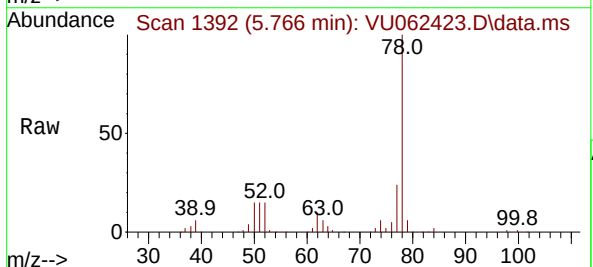
Instrument :
MSVOA_U
ClientSampleId :

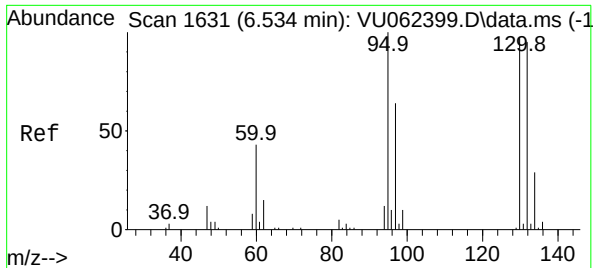
Tgt Ion:117 Resp: 60835
Ion Ratio Lower Upper
117 100
119 95.4 77.5 116.3



#33
Benzene
Concen: 4.684 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Tgt Ion: 78 Resp: 127585

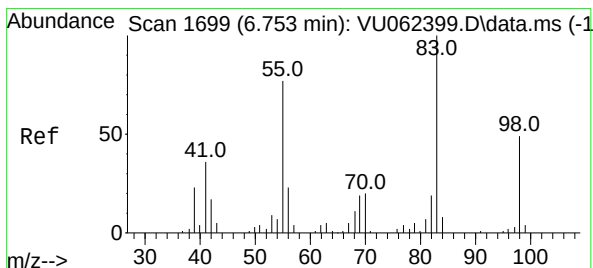
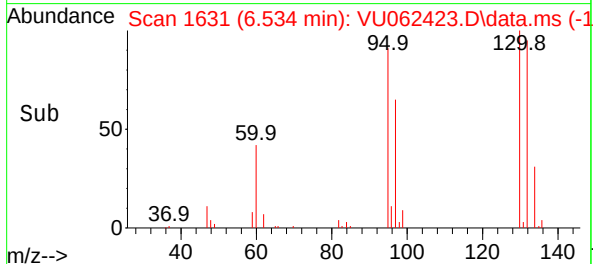
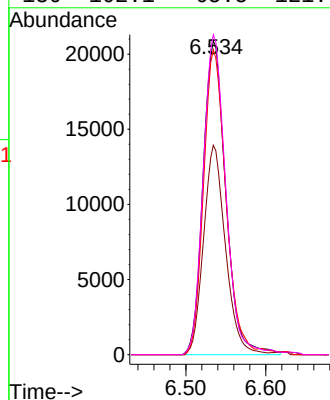
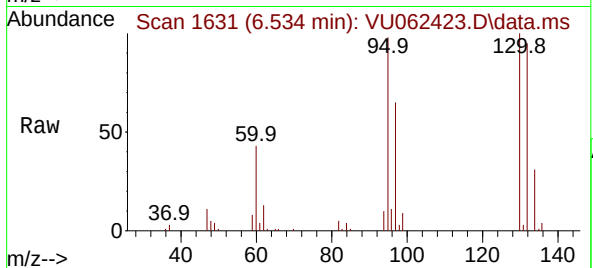




#34
Trichloroethene
Concen: 5.358 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

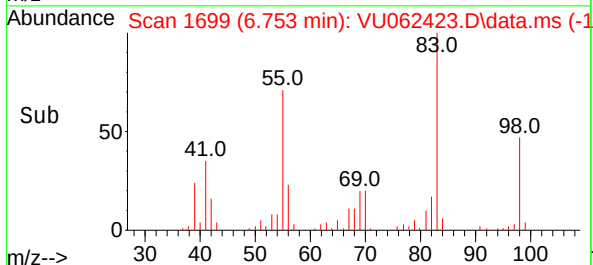
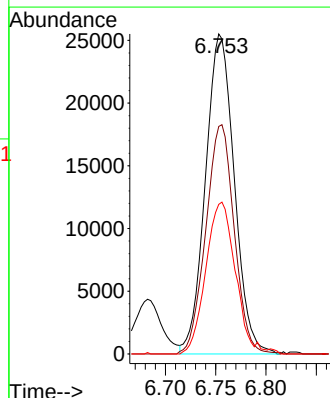
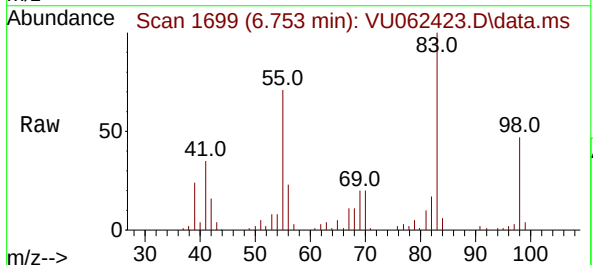
Instrument :
MSVOA_U
ClientSampleId :

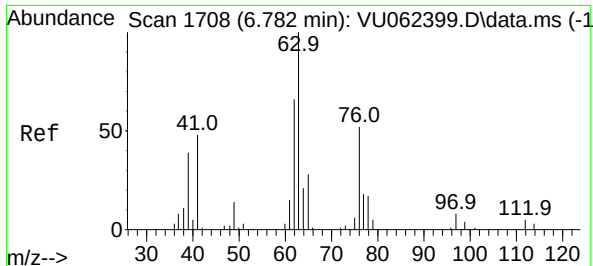
Tgt Ion: 95 Resp: 41345
Ion Ratio Lower Upper
95 100
97 66.8 45.9 85.3
132 97.3 63.8 118.4
130 102.1 65.5 121.7



#35
Methylcyclohexane
Concen: 4.453 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Tgt Ion: 83 Resp: 50950
Ion Ratio Lower Upper
83 100
55 70.6 60.7 91.1
98 48.5 34.8 52.2

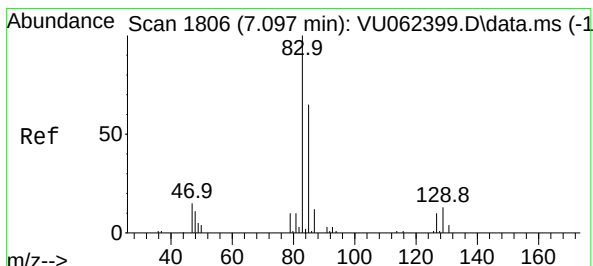
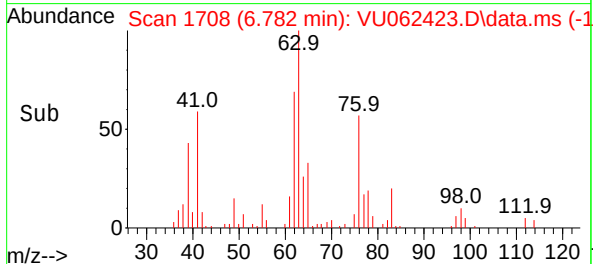
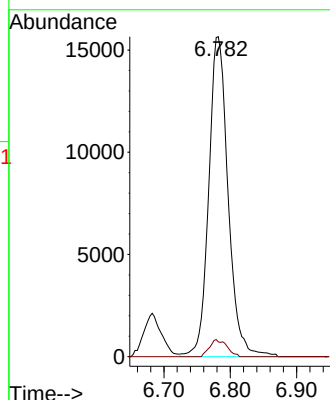
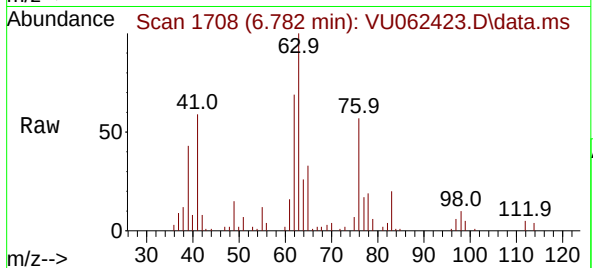




#37
1,2-Dichloropropane
Concen: 4.798 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

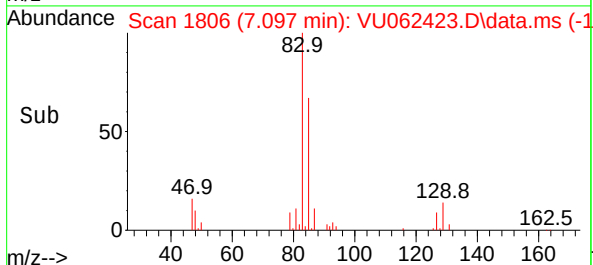
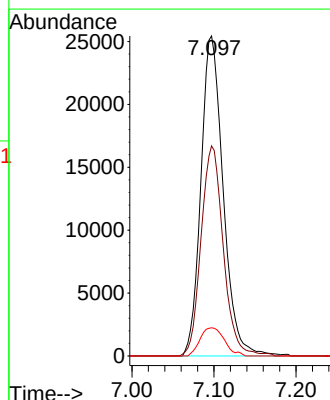
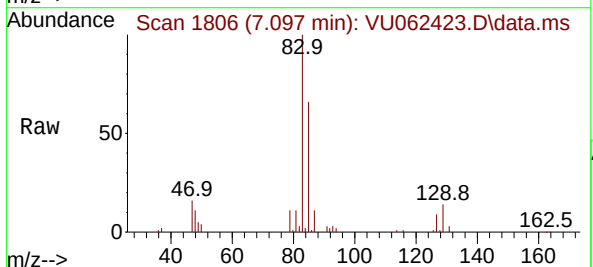
Instrument :
MSVOA_U
ClientSampleId :

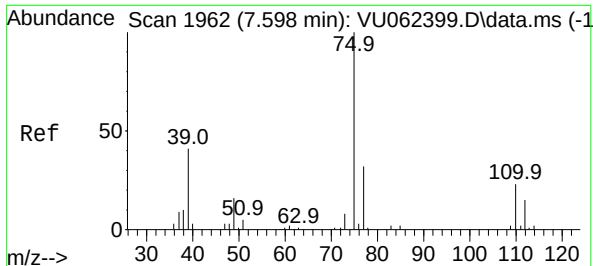
Tgt Ion: 63 Resp: 31830
Ion Ratio Lower Upper
63 100
112 4.7 3.4 5.0



#38
Bromodichloromethane
Concen: 5.122 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Tgt Ion: 83 Resp: 47944
Ion Ratio Lower Upper
83 100
85 65.6 44.1 81.9
127 8.8 6.9 10.3

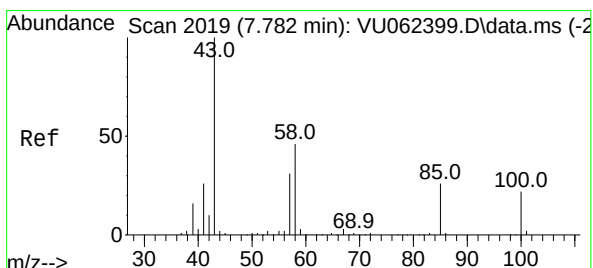
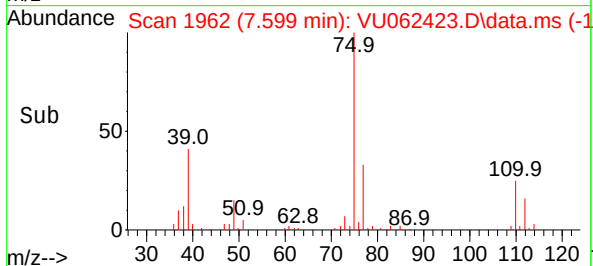
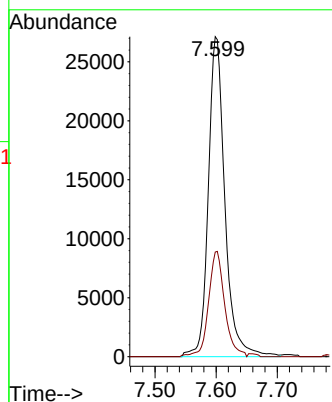
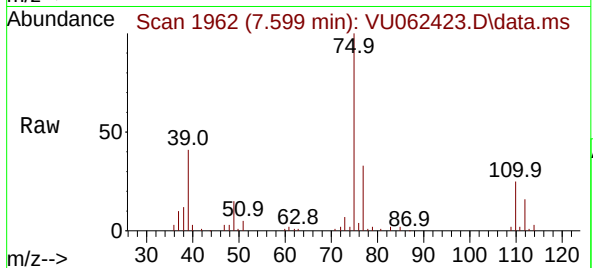




#39
 cis-1,3-Dichloropropene
 Concen: 4.819 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU062423.D
 Acq: 18 Dec 2024 15:12

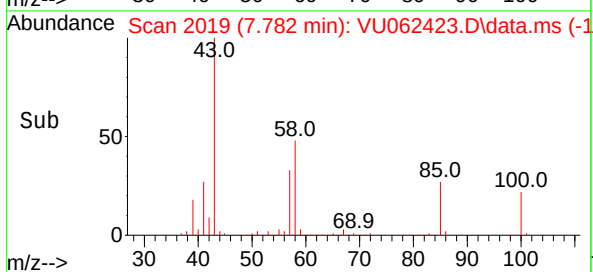
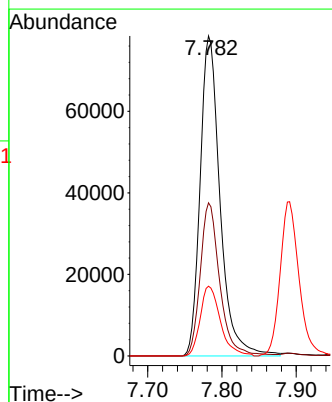
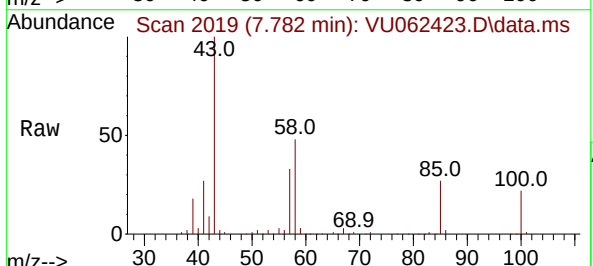
Instrument :
 MSVOA_U
 ClientSampleId :

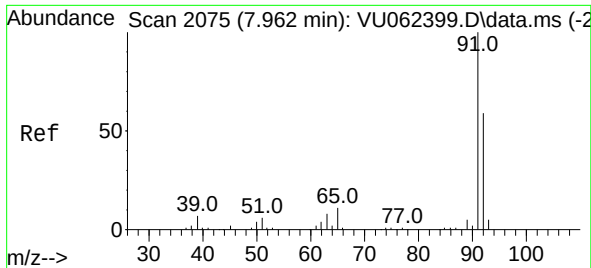
Tgt Ion: 75 Resp: 51241
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 47.037 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU062423.D
 Acq: 18 Dec 2024 15:12

Tgt Ion: 43 Resp: 146245
 Ion Ratio Lower Upper
 43 100
 58 46.8 33.3 49.9
 100 22.1 12.4 18.6#





#42

Toluene

Concen: 4.904 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

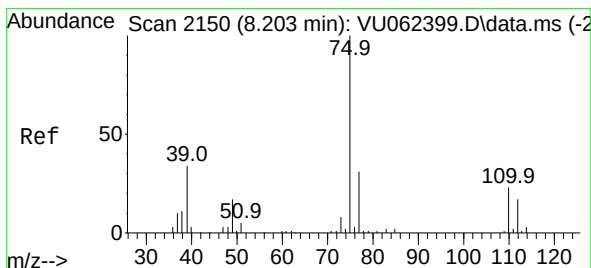
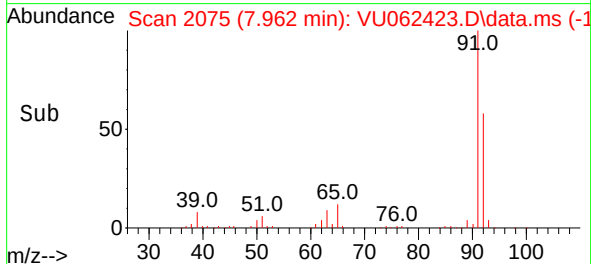
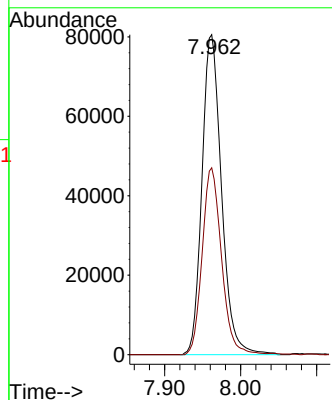
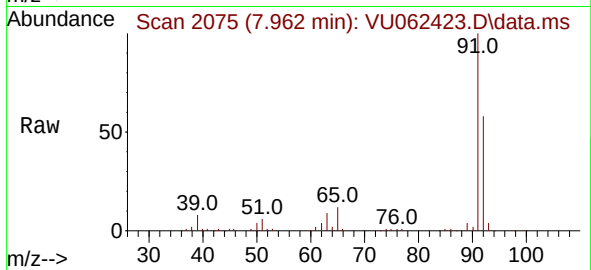
ClientSampleId :

Tgt Ion: 91 Resp: 144042

Ion Ratio Lower Upper

91 100

92 58.4 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 5.027 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU062423.D

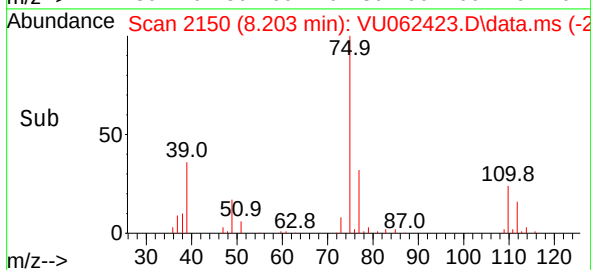
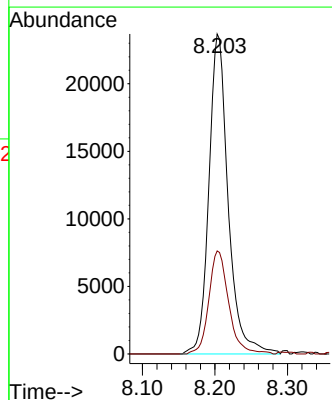
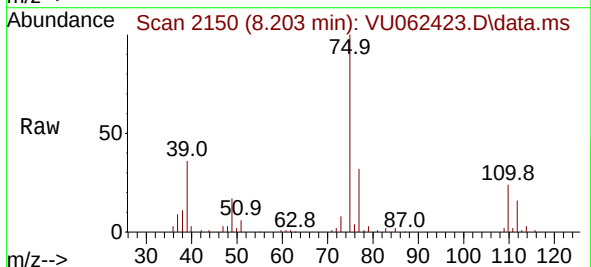
Acq: 18 Dec 2024 15:12

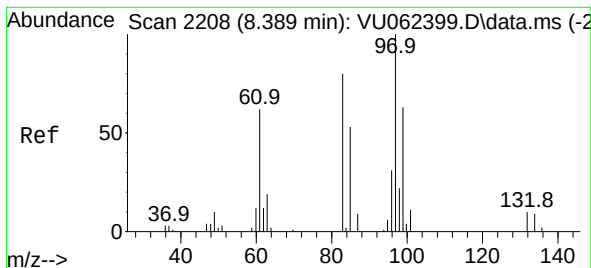
Tgt Ion: 75 Resp: 43651

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 5.224 ug/L

RT: 8.390 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 26161

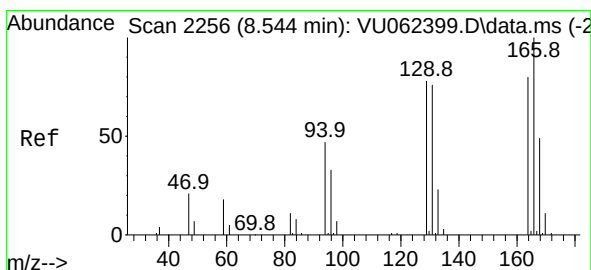
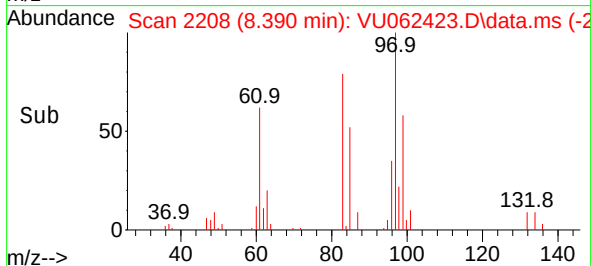
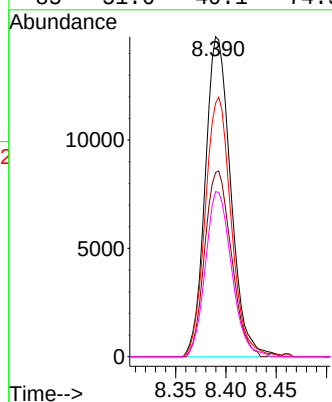
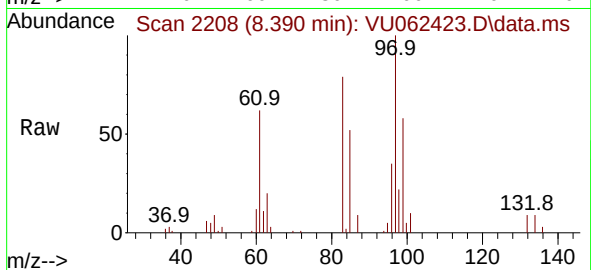
Ion Ratio Lower Upper

97 100

99 57.6 43.0 79.8

83 79.2 61.7 114.5

85 51.6 40.1 74.5



#47

Tetrachloroethene

Concen: 5.158 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Tgt Ion:164 Resp: 30734

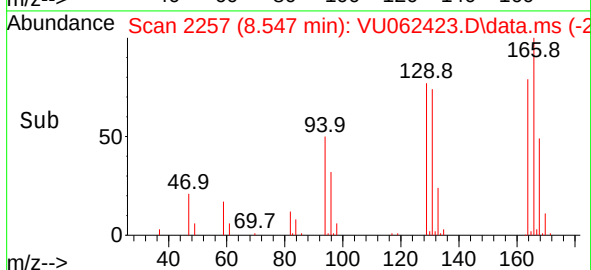
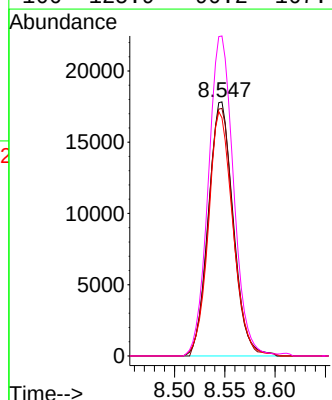
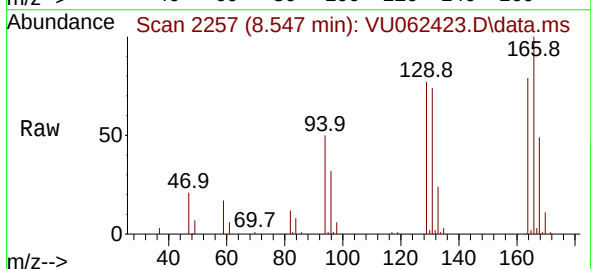
Ion Ratio Lower Upper

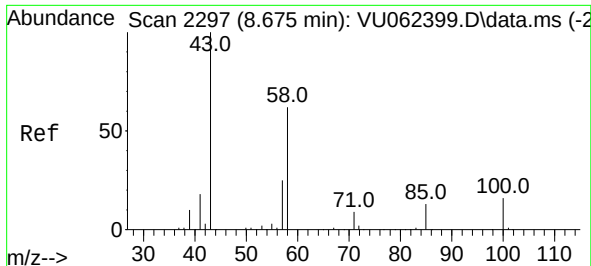
164 100

129 97.4 73.2 136.0

131 93.7 72.3 134.3

166 125.9 90.2 167.4

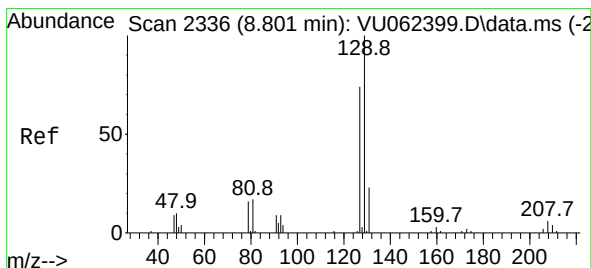
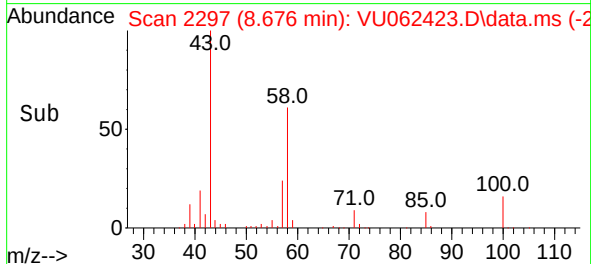
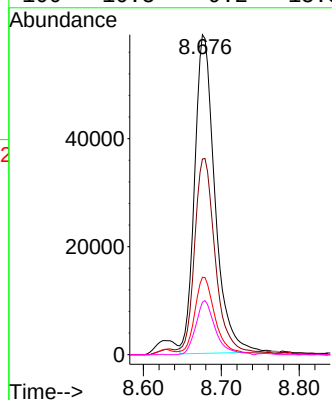
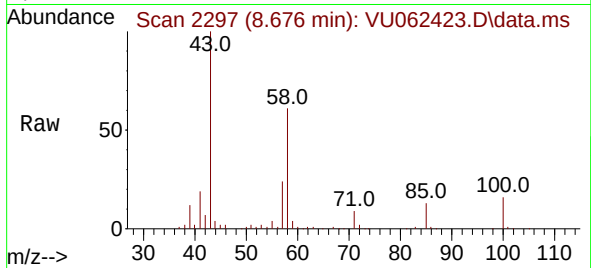




#48
2-Hexanone
Concen: 46.659 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

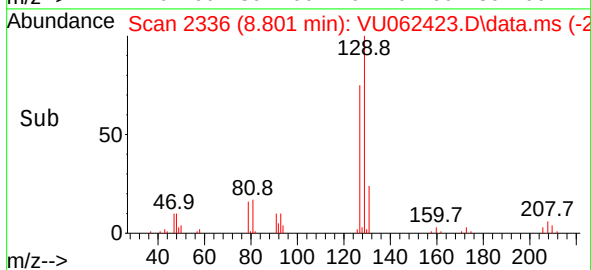
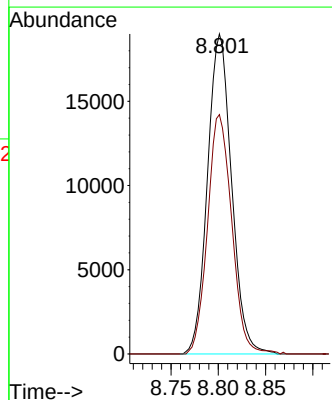
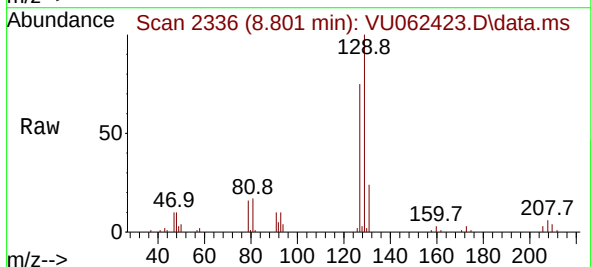
Instrument :
MSVOA_U
ClientSampleId :

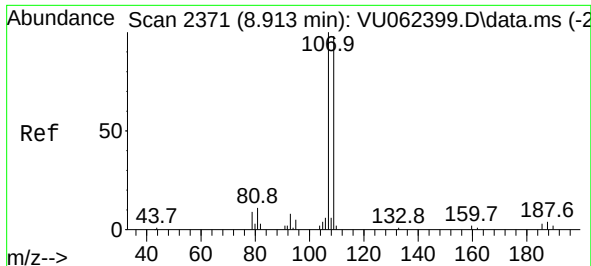
Tgt Ion: 43 Resp: 107209
Ion Ratio Lower Upper
43 100
58 62.3 47.5 71.3
57 23.6 15.6 23.4#
100 16.3 9.2 13.8#



#49
Dibromochloromethane
Concen: 5.570 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Tgt Ion: 129 Resp: 33702
Ion Ratio Lower Upper
129 100
127 74.8 51.1 94.9





#50

1,2-Dibromoethane

Concen: 5.134 ug/L

RT: 8.917 min Scan# 24

Delta R.T. 0.003 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

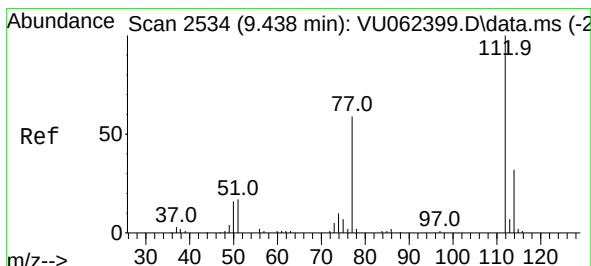
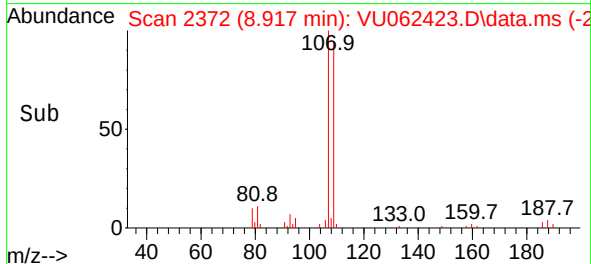
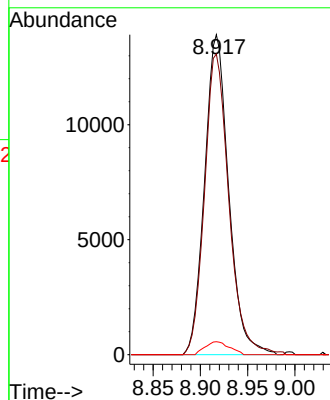
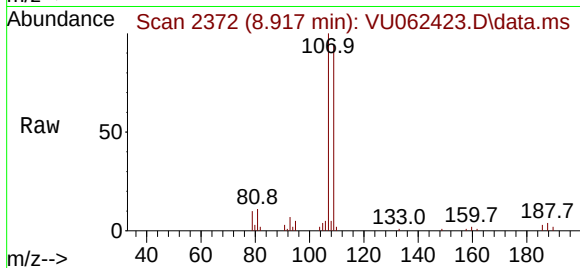
Tgt Ion:107 Resp: 24708

Ion Ratio Lower Upper

107 100

109 94.0 66.8 124.2

188 4.1 2.3 3.5#



#51

Chlorobenzene

Concen: 5.008 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

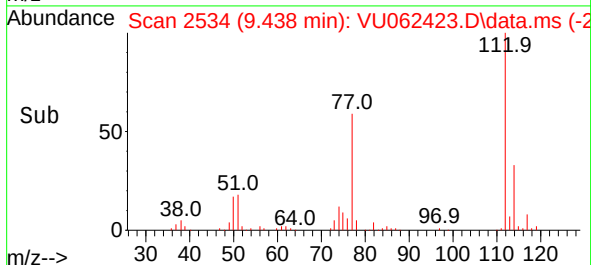
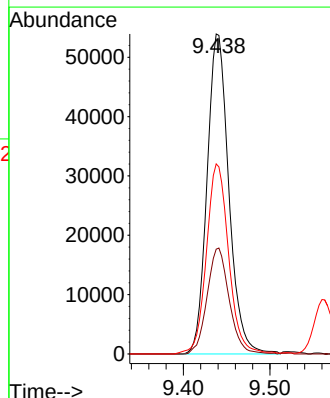
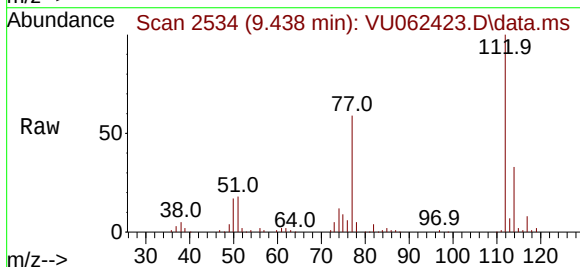
Tgt Ion:112 Resp: 94268

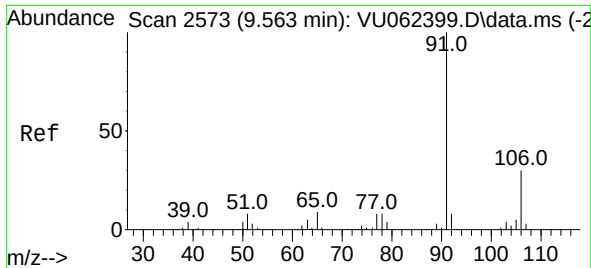
Ion Ratio Lower Upper

112 100

114 32.7 23.0 42.6

77 59.4 50.5 75.7

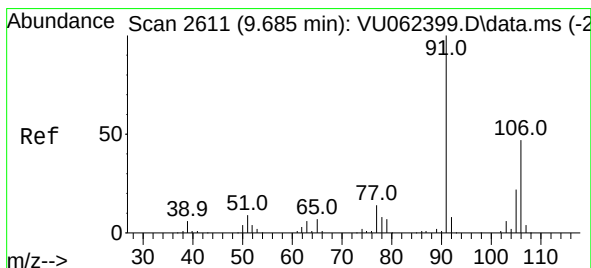
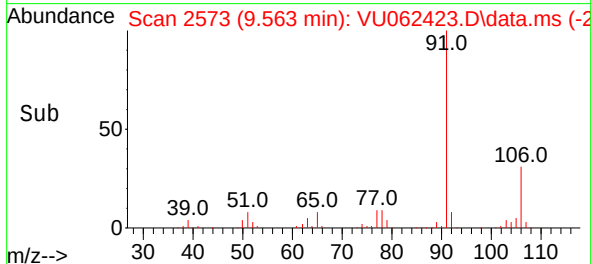
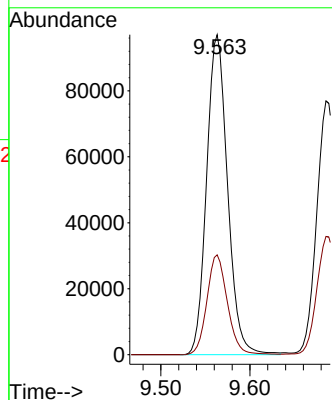
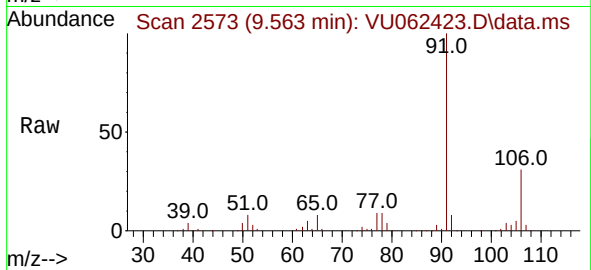




#52
Ethylbenzene
Concen: 4.803 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

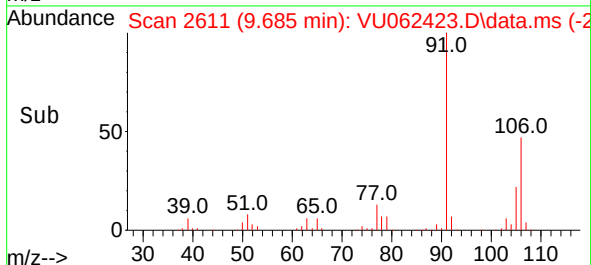
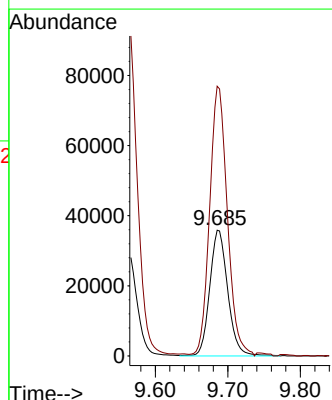
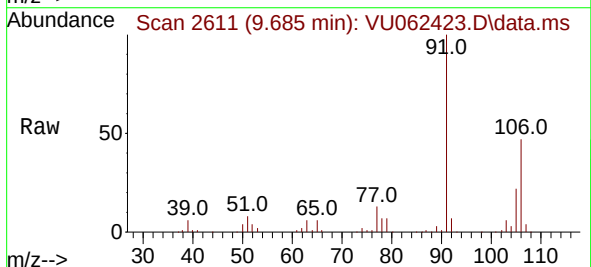
Instrument :
MSVOA_U
ClientSampleId :

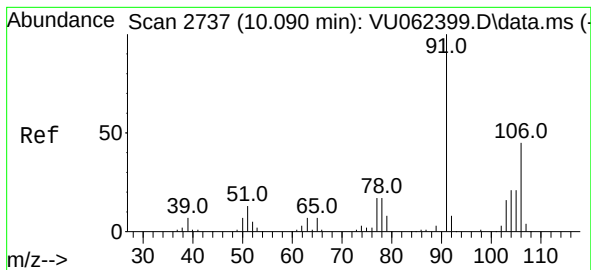
Tgt Ion: 91 Resp: 158195
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.0



#53
m,p-Xylene
Concen: 5.097 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Tgt Ion:106 Resp: 61982
Ion Ratio Lower Upper
106 100
91 214.6 147.6 274.0





#54

o-Xylene

Concen: 4.995 ug/L

RT: 10.094 min Scan# 2737

Delta R.T. 0.003 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

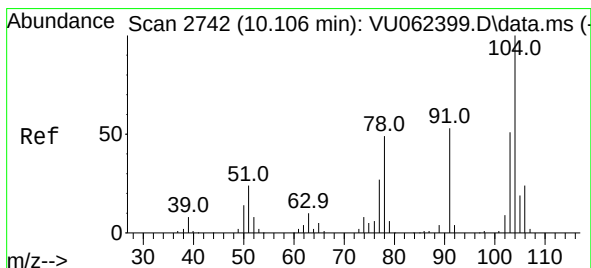
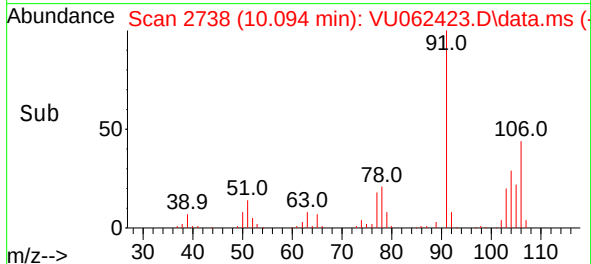
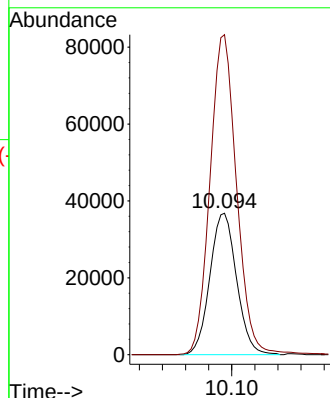
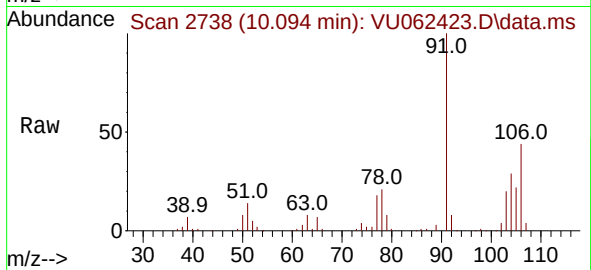
ClientSampleId :

Tgt Ion:106 Resp: 59075

Ion Ratio Lower Upper

106 100

91 226.2 159.8 296.8



#55

Styrene

Concen: 5.156 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU062423.D

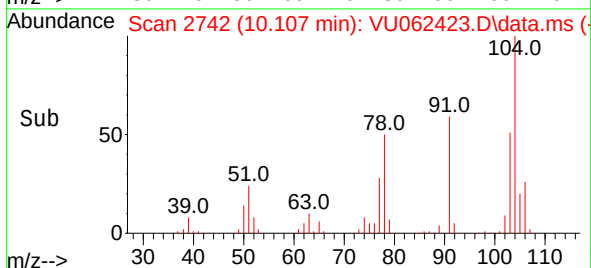
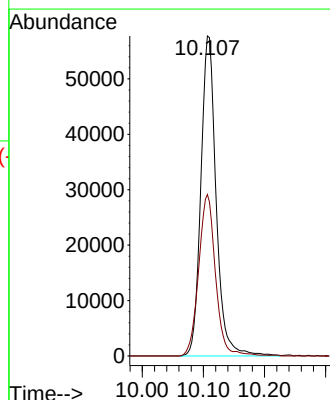
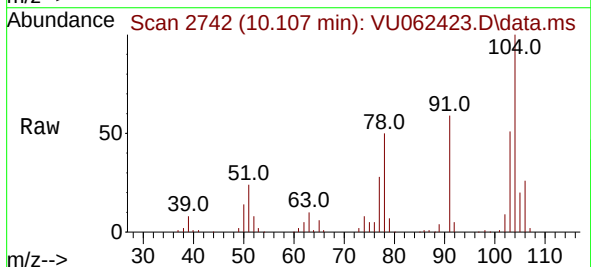
Acq: 18 Dec 2024 15:12

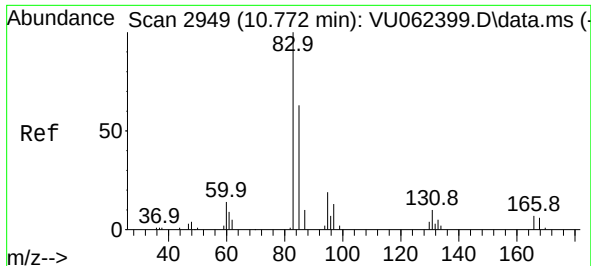
Tgt Ion:104 Resp: 100502

Ion Ratio Lower Upper

104 100

78 50.5 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.973 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU062423.D

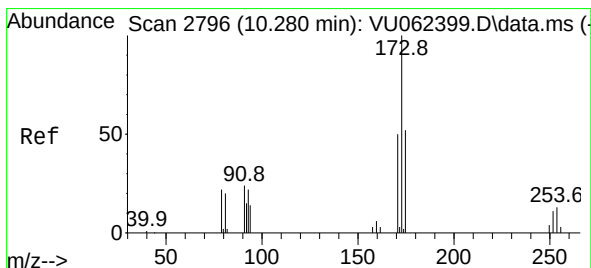
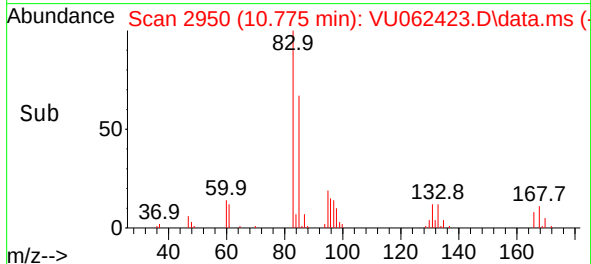
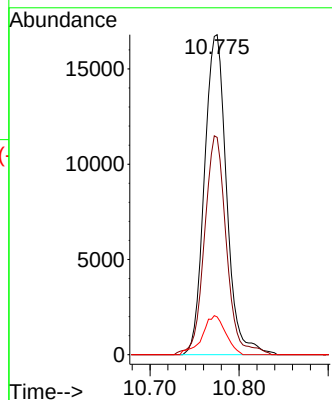
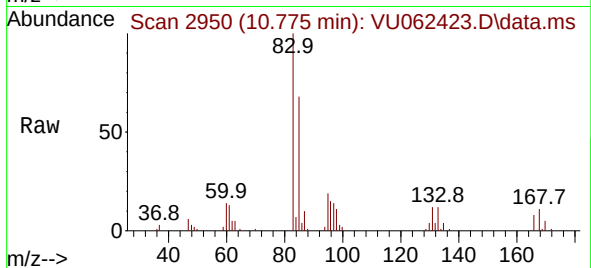
Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	28987
Ion Ratio	Lower	Upper	
83	100		
85	67.9	44.4	82.4
131	11.8	7.3	10.9#



#59

Bromoform

Concen: 5.749 ug/L

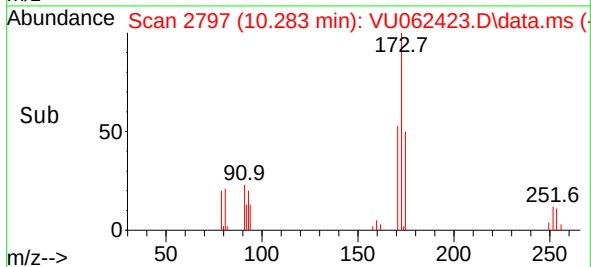
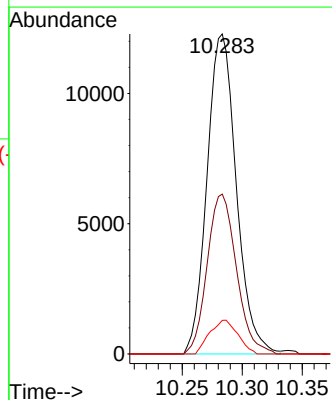
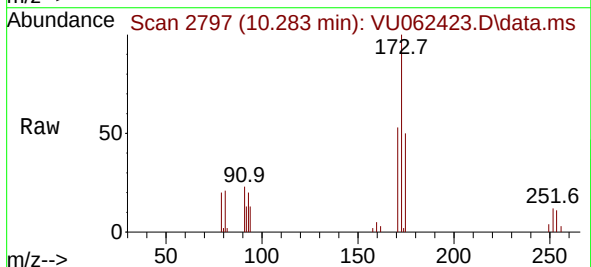
RT: 10.283 min Scan# 2797

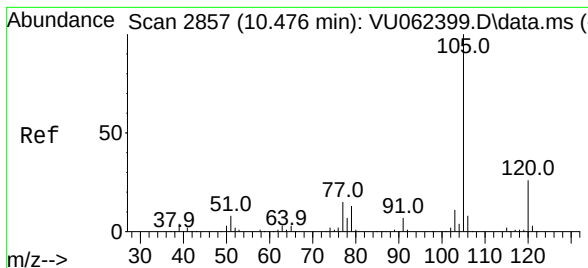
Delta R.T. 0.003 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Tgt Ion:	173	Resp:	20872
Ion Ratio	Lower	Upper	
173	100		
175	49.9	39.0	58.4
254	10.1	7.4	11.0





#60

Isopropylbenzene

Concen: 4.954 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

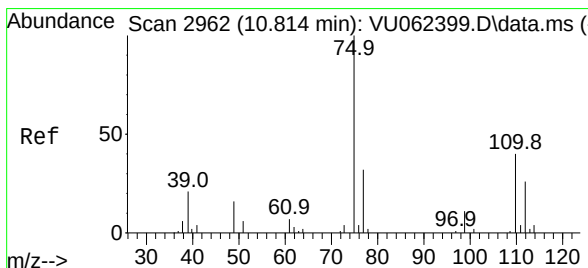
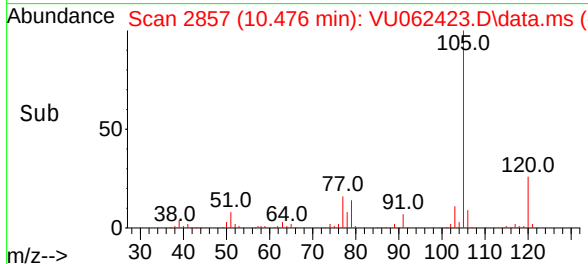
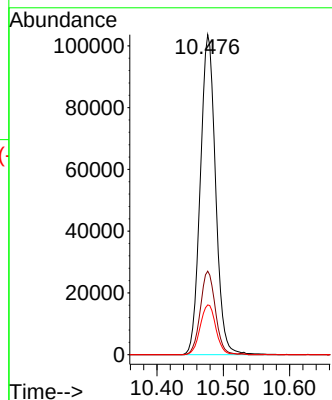
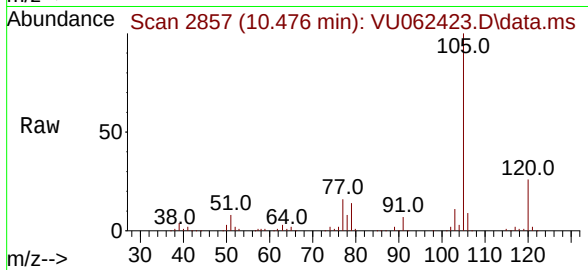
Tgt Ion:105 Resp: 165343

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 16.1 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 4.889 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

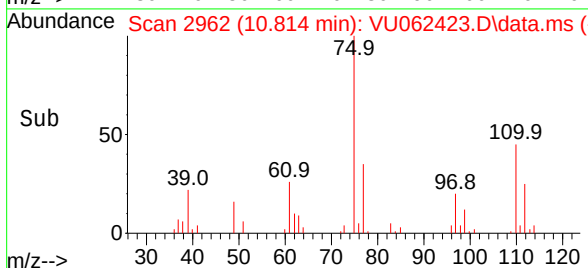
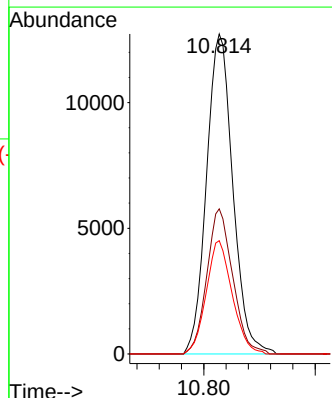
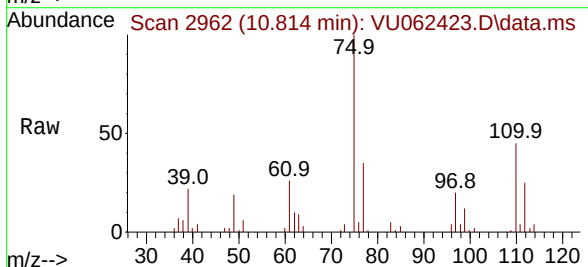
Tgt Ion: 75 Resp: 20884

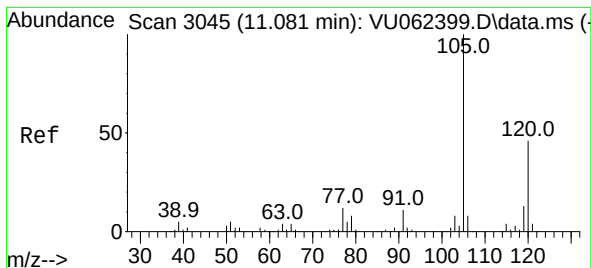
Ion Ratio Lower Upper

75 100

110 44.5 28.9 43.3#

77 35.0 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 4.841 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

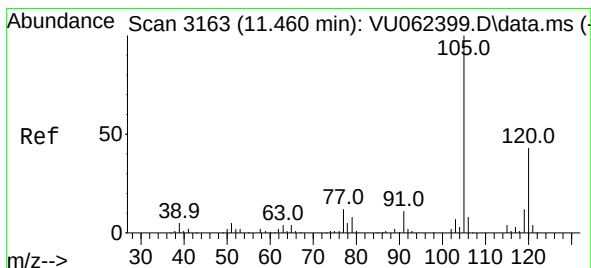
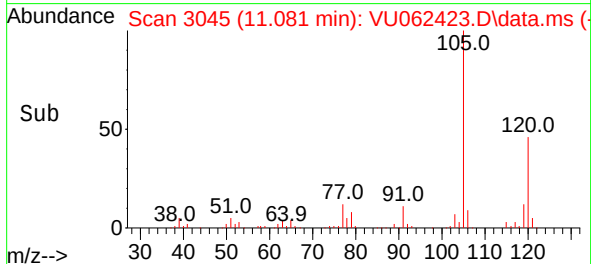
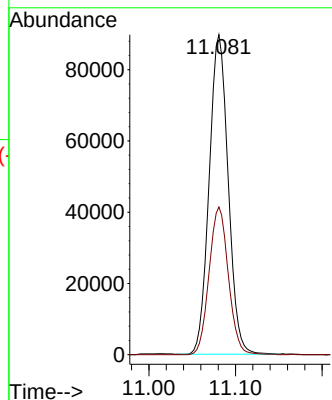
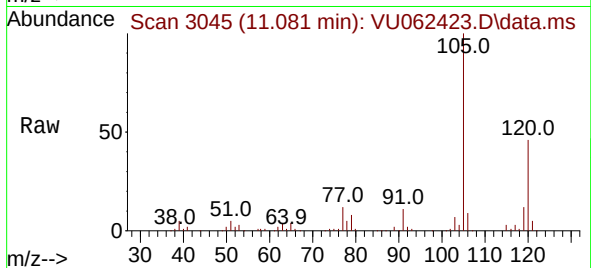
ClientSampleId :

Tgt Ion:105 Resp: 136731

Ion Ratio Lower Upper

105 100

120 46.8 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 4.861 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU062423.D

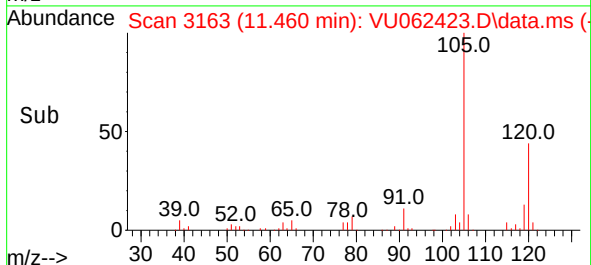
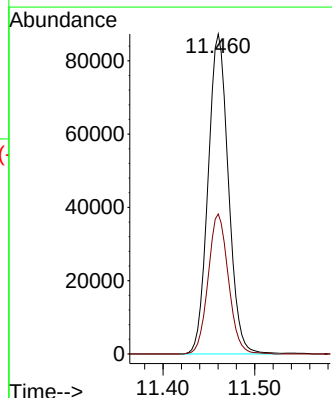
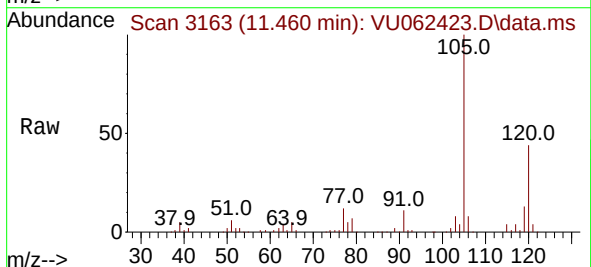
Acq: 18 Dec 2024 15:12

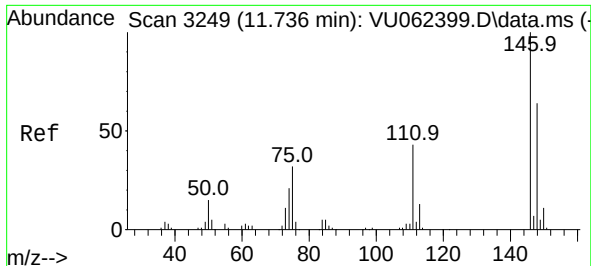
Tgt Ion:105 Resp: 134508

Ion Ratio Lower Upper

105 100

120 43.6 34.7 52.1

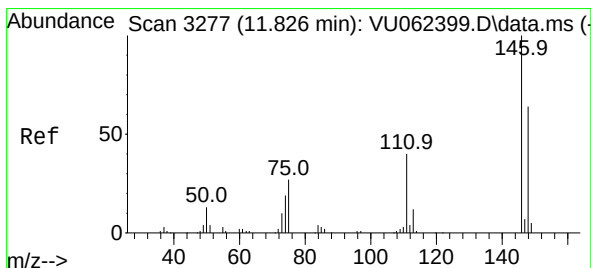
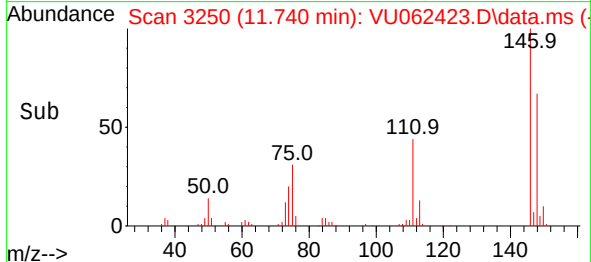
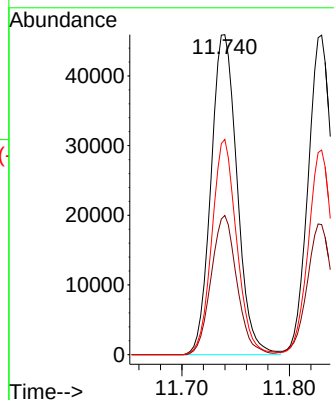
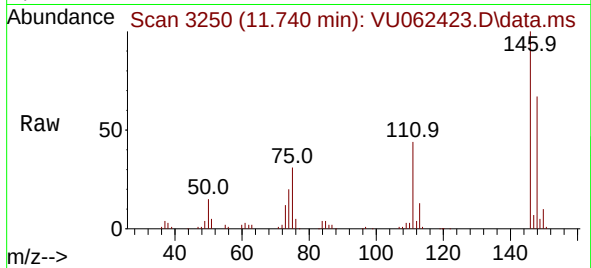




#64
1,3-Dichlorobenzene
Concen: 5.056 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

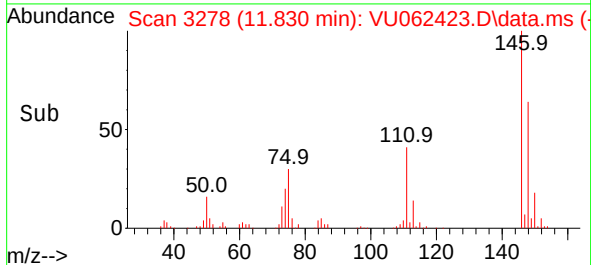
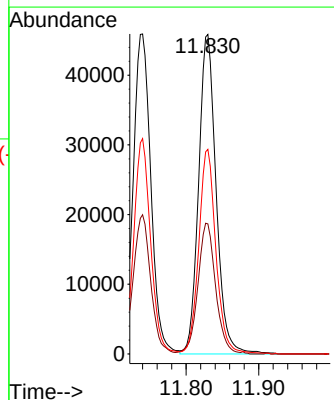
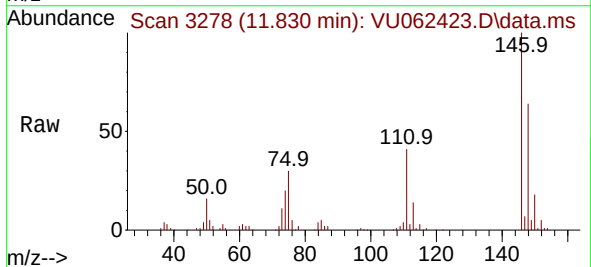
Instrument :
MSVOA_U
ClientSampleId :

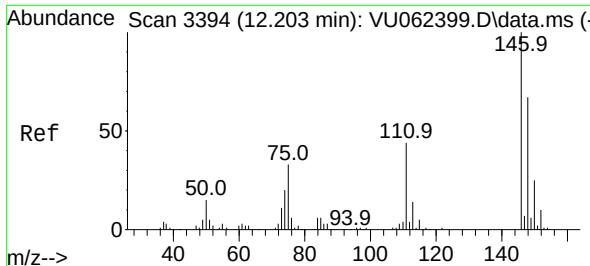
Tgt Ion:146 Resp: 77510
Ion Ratio Lower Upper
146 100
111 43.5 30.7 57.1
148 67.3 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 4.987 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Tgt Ion:146 Resp: 76980
Ion Ratio Lower Upper
146 100
111 40.7 29.3 54.3
148 64.1 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 5.064 ug/L

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

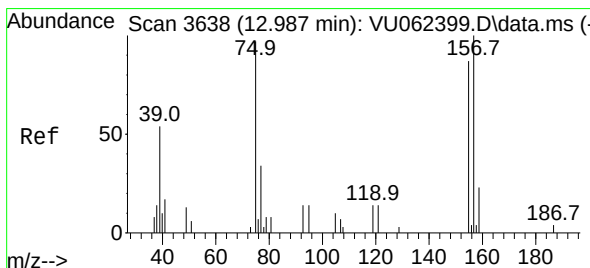
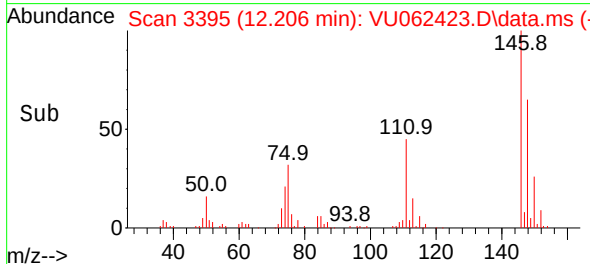
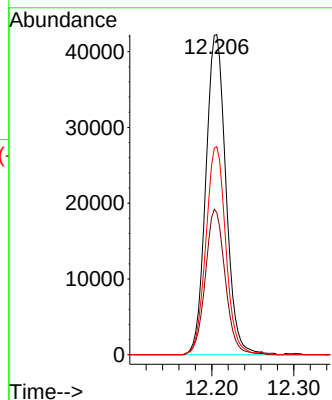
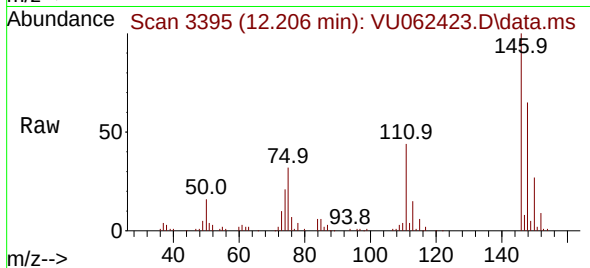
Tgt Ion:146 Resp: 71740

Ion Ratio Lower Upper

146 100

111 44.3 36.0 54.0

148 65.0 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.342 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

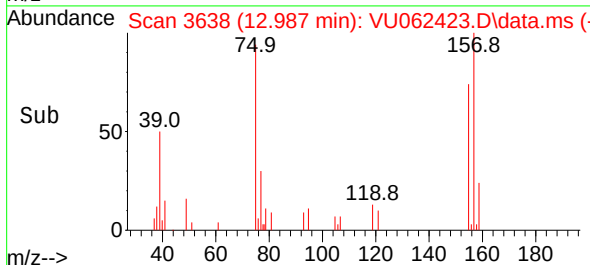
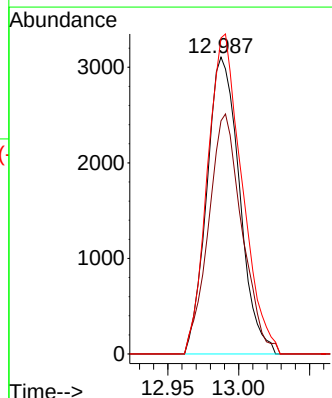
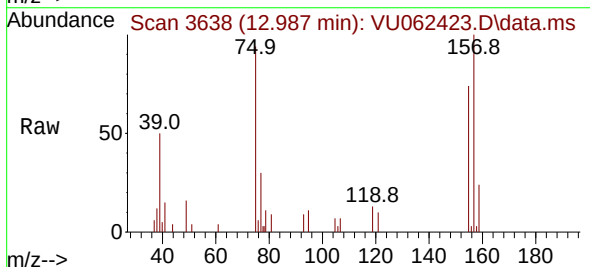
Tgt Ion: 75 Resp: 4978

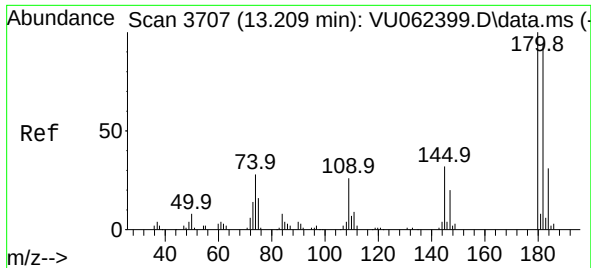
Ion Ratio Lower Upper

75 100

155 78.6 55.2 82.8

157 106.5 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 5.239 ug/L

RT: 13.213 min Scan# 3

Delta R.T. 0.003 min

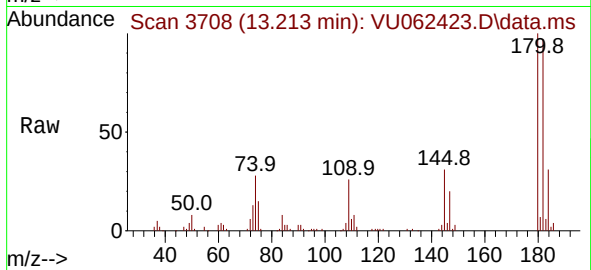
Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 59701

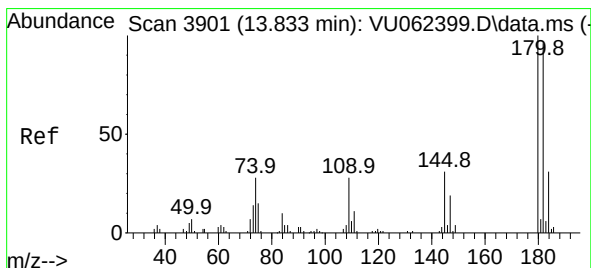
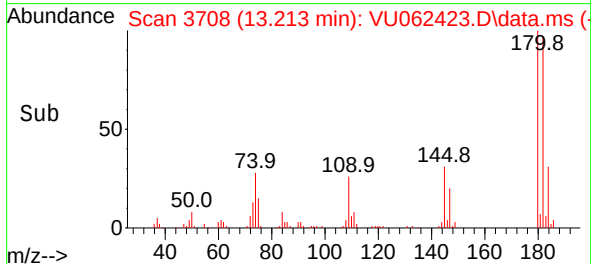
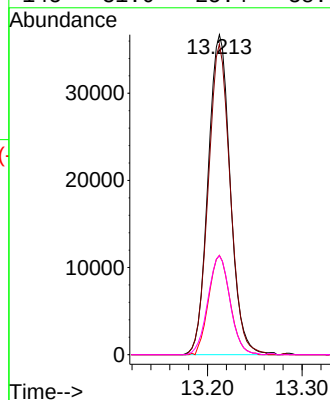
Ion Ratio Lower Upper

180 100

182 96.0 76.7 115.1

184 30.0 24.8 37.2

145 31.0 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 4.918 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU062423.D

Acq: 18 Dec 2024 15:12

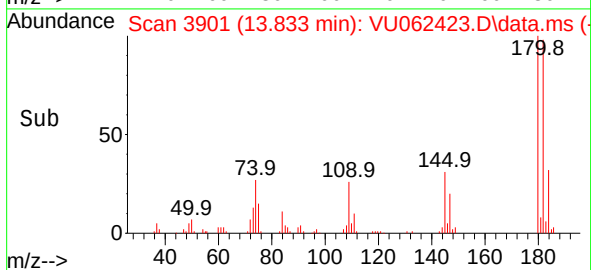
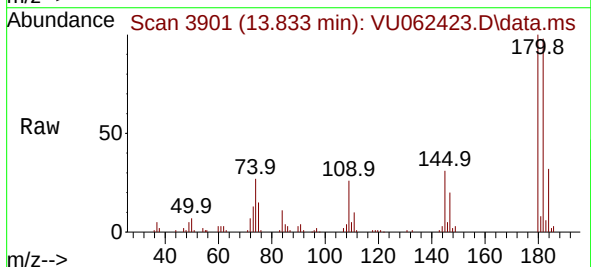
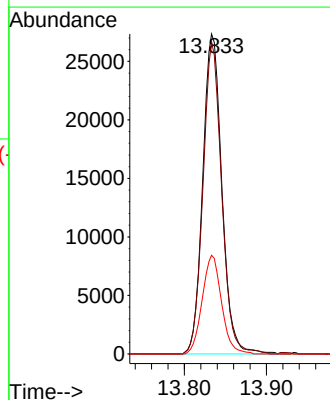
Tgt Ion:180 Resp: 44248

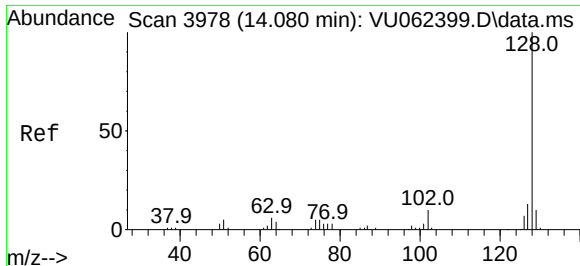
Ion Ratio Lower Upper

180 100

182 95.3 74.5 111.7

145 31.1 25.6 38.4

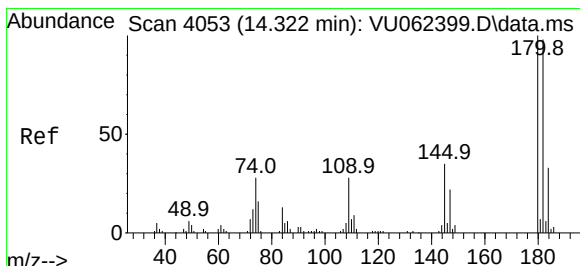
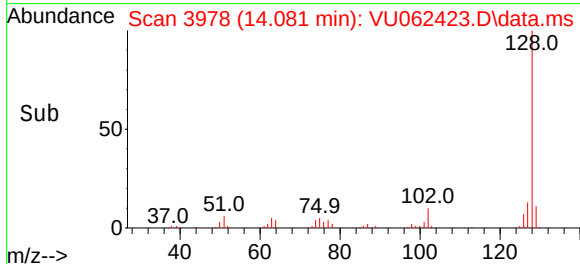
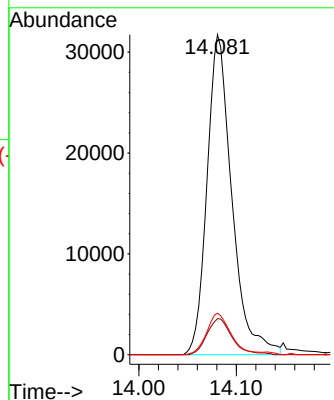
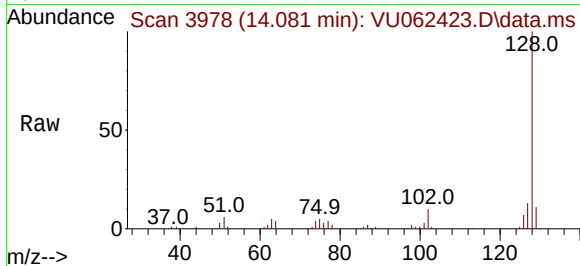




#71
Naphthalene
Concen: 4.161 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 56215
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 12.7 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.730 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU062423.D
Acq: 18 Dec 2024 15:12

Tgt Ion:180 Resp: 37533
Ion Ratio Lower Upper
180 100
182 98.0 76.1 114.1
145 33.6 27.4 41.0

