

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123024\
 Data File : VU062638.D
 Acq On : 30 Dec 2024 12:32
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 31 00:18:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 31 00:16:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	101880	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	95499	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	50482	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22526	3.278	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.600%
7) Chloroethane-d5	1.901	69	19395	3.968	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.400%
11) 1,1-Dichloroethene-d2	2.557	65	12388	3.789	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.800%
20) 2-Butanone-d5	4.615	46	59750	45.369	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.740%
24) Chloroform-d	5.052	84	67758	4.556	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	5.692	65	37171	5.083	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.717	84	113360	4.121	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.679	67	32773	4.164	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.891	98	111959	4.309	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	8.174	79	16295	4.704	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.624	63	54257	51.917	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.840%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	27890	4.554	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	12.183	152	43752	4.703	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	39104	4.097	ug/L	97
3) Chloromethane	1.515	50	26651	3.563	ug/L	91
5) Vinyl chloride	1.595	62	32434	4.164	ug/L	97
6) Bromomethane	1.843	94	23446	4.516	ug/L	95
8) Chloroethane	1.923	64	20540	4.709	ug/L	98
9) Trichlorofluoromethane	2.129	101	69736	5.159	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	34784	4.727	ug/L	91
12) 1,1-Dichloroethene	2.570	96	30754	4.471	ug/L	92
13) Acetone	2.618	43	42754	47.679	ug/L	96
14) Carbon disulfide	2.782	76	78726	3.619	ug/L	100
15) Methyl Acetate	2.943	43	9698	4.315	ug/L	94
16) Methylene chloride	3.033	84	34072	4.718	ug/L	88
17) Methyl tert-butyl Ether	3.351	73	90743	5.295	ug/L	97
18) trans-1,2-Dichloroethene	3.341	96	31821	4.502	ug/L	93
19) 1,1-Dichloroethane	3.856	63	60854	4.697	ug/L	96
21) 2-Butanone	4.692	43	62208	47.770	ug/L	91
22) cis-1,2-Dichloroethene	4.656	96	37932	4.788	ug/L	96
23) Bromochloromethane	4.962	128	17921	5.161	ug/L	# 77
25) Chloroform	5.078	83	76865	5.267	ug/L	98

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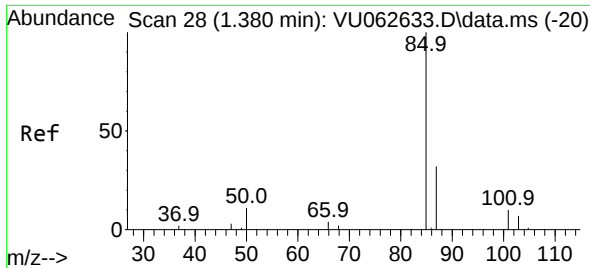
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	48833	5.266	ug/L	96
29) 1,1,1-Trichloroethane	5.303	97	71783	5.343	ug/L	94
30) Cyclohexane	5.377	56	43435	3.987	ug/L	86
31) Carbon tetrachloride	5.512	117	66482	5.397	ug/L	97
33) Benzene	5.763	78	136837	4.624	ug/L	100
34) Trichloroethene	6.534	95	43370	5.173	ug/L	98
35) Methylcyclohexane	6.753	83	53616	4.314	ug/L	94
37) 1,2-Dichloropropane	6.782	63	33244	4.613	ug/L	100
38) Bromodichloromethane	7.097	83	54839	5.393	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	57513	4.979	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	163472	48.397	ug/L #	93
42) Toluene	7.962	91	153215	4.801	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	50207	5.322	ug/L	97
45) 1,1,2-Trichloroethane	8.389	97	27516	5.057	ug/L	97
47) Tetrachloroethene	8.547	164	31507	4.868	ug/L	93
48) 2-Hexanone	8.676	43	114469	45.856	ug/L #	96
49) Dibromochloromethane	8.801	129	36420	5.540	ug/L	91
50) 1,2-Dibromoethane	8.914	107	27152	5.194	ug/L #	98
51) Chlorobenzene	9.438	112	100257	4.903	ug/L	98
52) Ethylbenzene	9.563	91	174209	4.869	ug/L	99
53) m,p-Xylene	9.685	106	65229	4.938	ug/L	93
54) o-Xylene	10.094	106	62395	4.857	ug/L	96
55) Styrene	10.106	104	109076	5.150	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.772	83	31205	4.928	ug/L #	96
59) Bromoform	10.283	173	22080	5.566	ug/L	98
60) Isopropylbenzene	10.476	105	179268	4.916	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	23390	5.011	ug/L	94
62) 1,3,5-Trimethylbenzene	11.081	105	155284	5.032	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	153256	5.069	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	84165	5.024	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	83560	4.954	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	79784	5.154	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	6260	6.148	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	66159	5.313	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	53973	5.490	ug/L	97
71) Naphthalene	14.084	128	79867	5.410	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	46821	5.400	ug/L	99

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

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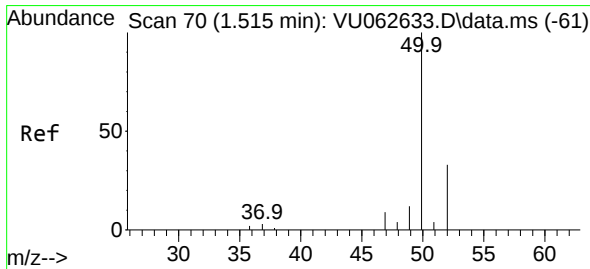
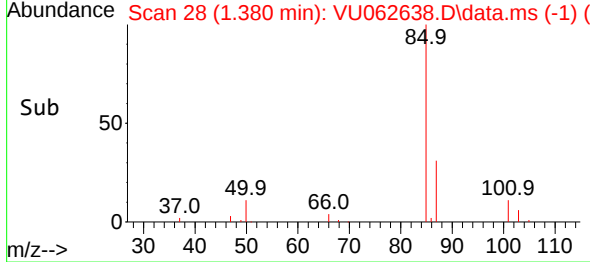
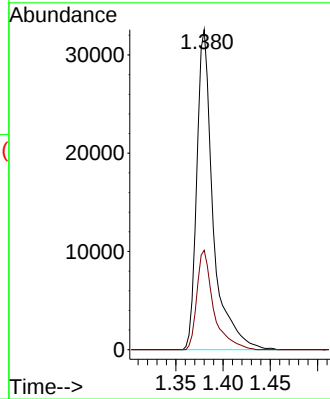
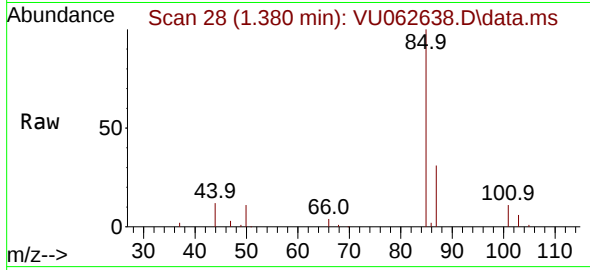




#2
Dichlorodifluoromethane
Concen: 4.097 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

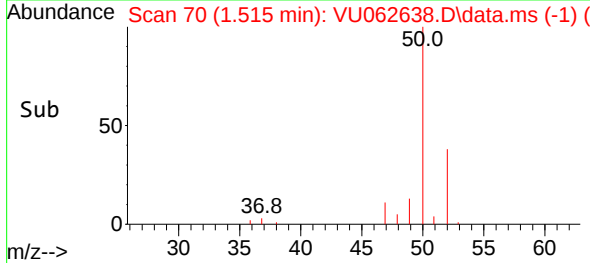
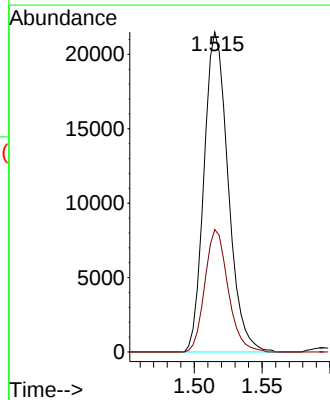
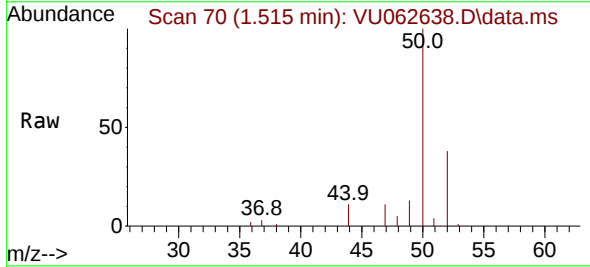
Instrument :
MSVOA_U
ClientSampleId :

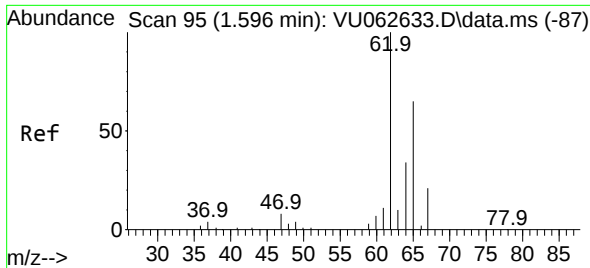
Tgt Ion: 85 Resp: 39104
Ion Ratio Lower Upper
85 100
87 31.7 26.6 40.0



#3
Chloromethane
Concen: 3.563 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

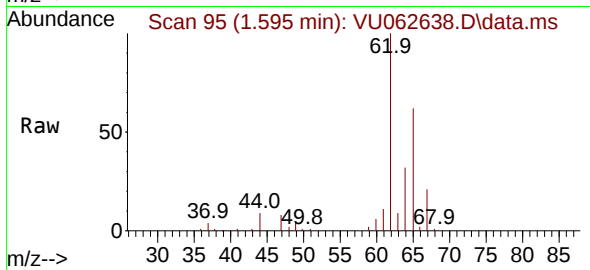
Tgt Ion: 50 Resp: 26651
Ion Ratio Lower Upper
50 100
52 38.2 23.1 42.9



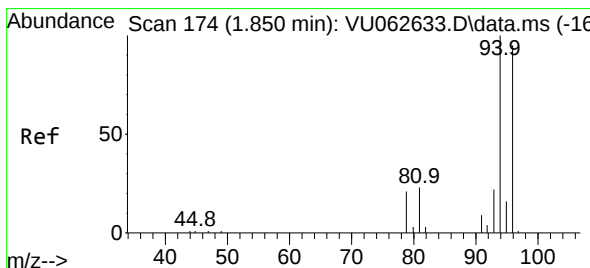
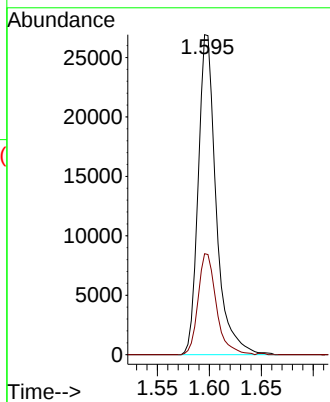
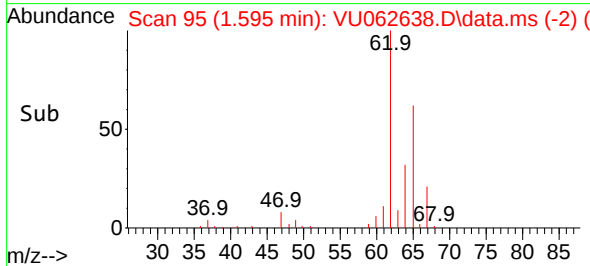


#5
 Vinyl chloride
 Concen: 4.164 ug/L
 RT: 1.595 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU062638.D
 Acq: 30 Dec 2024 12:32

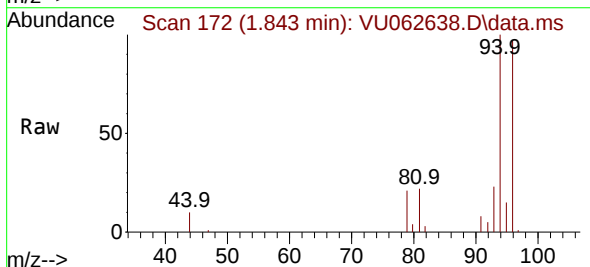
Instrument :
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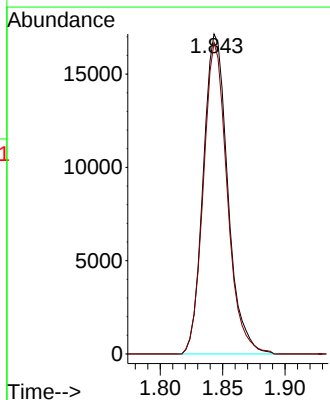
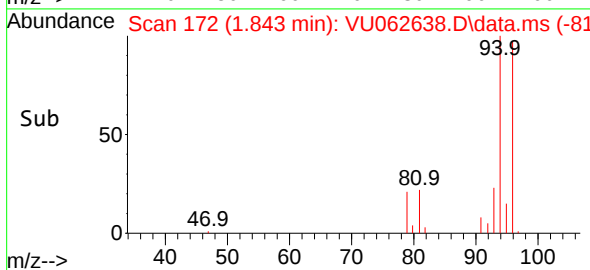
Tgt Ion: 62 Resp: 32434
 Ion Ratio Lower Upper
 62 100
 64 31.5 23.1 42.9

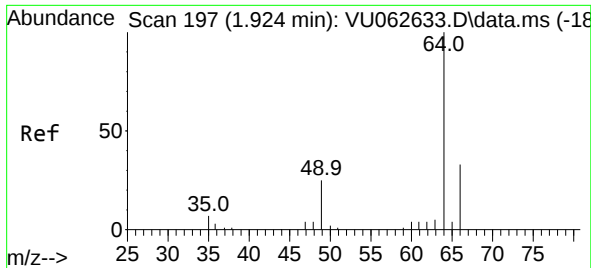


#6
 Bromomethane
 Concen: 4.516 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. -0.007 min
 Lab File: VU062638.D
 Acq: 30 Dec 2024 12:32



Tgt Ion: 94 Resp: 23446
 Ion Ratio Lower Upper
 94 100
 96 97.3 64.5 119.9

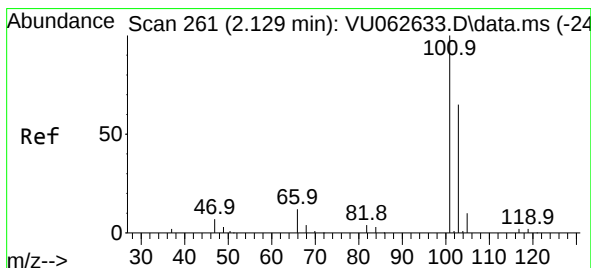
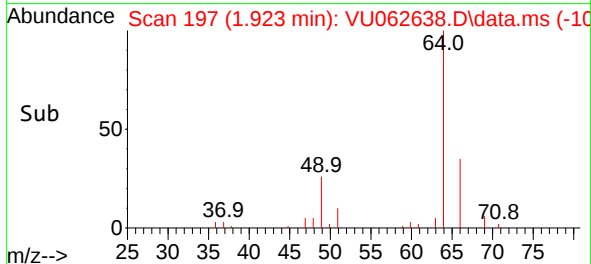
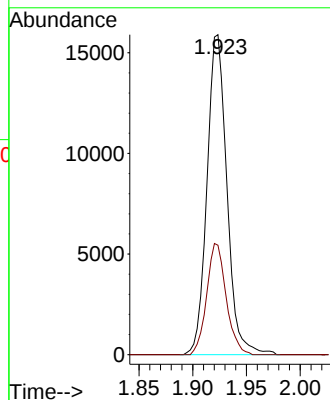
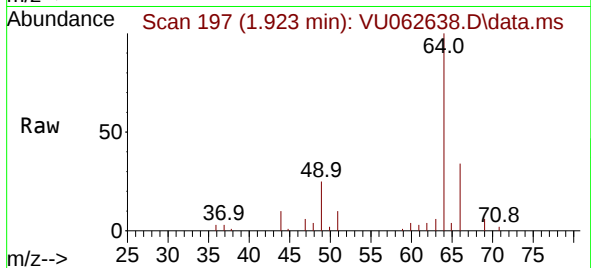




#8
Chloroethane
Concen: 4.709 ug/L
RT: 1.923 min Scan# 197
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

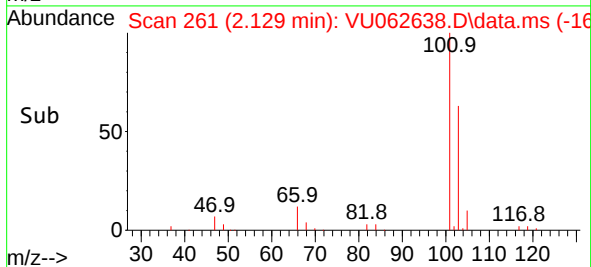
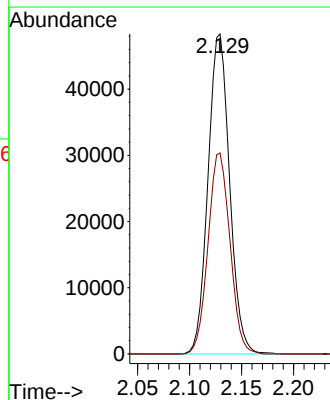
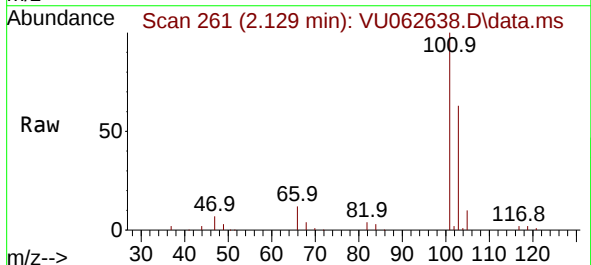
Instrument :
MSVOA_U
ClientSampleId :

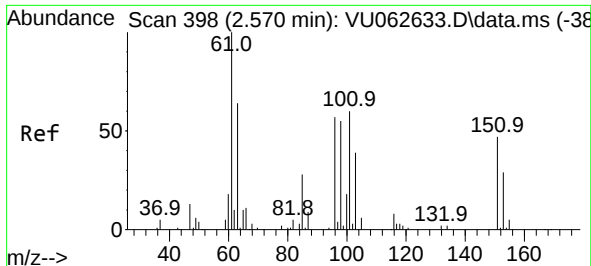
Tgt Ion: 64 Resp: 20540
Ion Ratio Lower Upper
64 100
66 34.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.159 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion:101 Resp: 69736
Ion Ratio Lower Upper
101 100
103 63.8 50.6 75.8

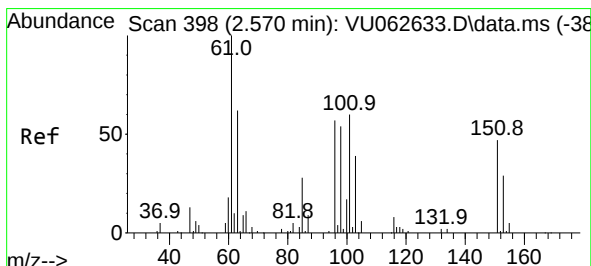
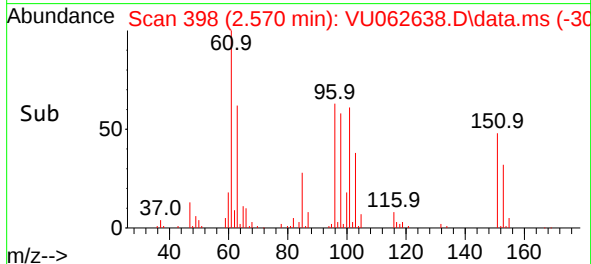
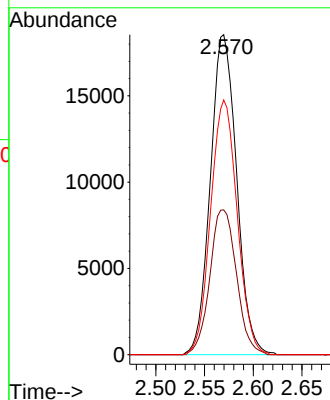
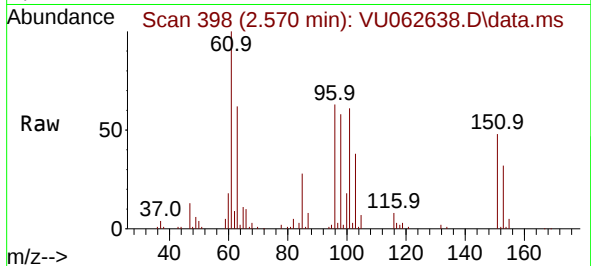




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.727 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

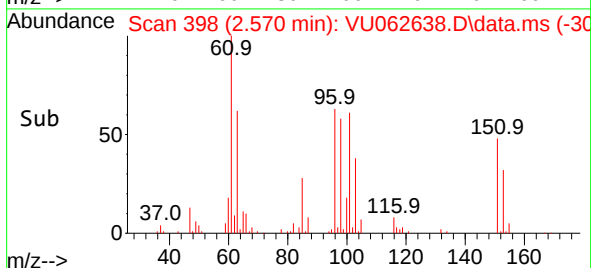
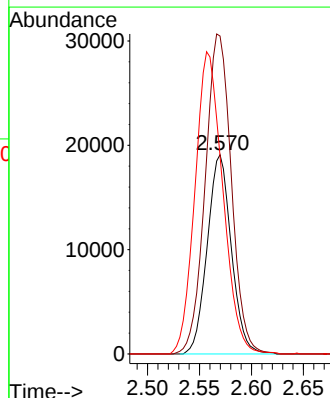
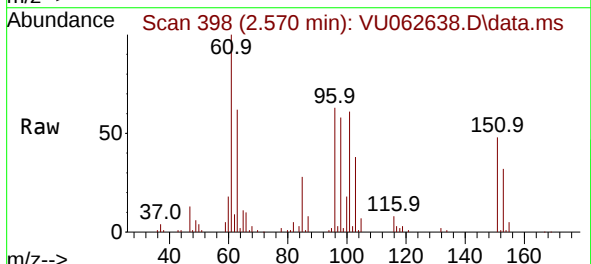
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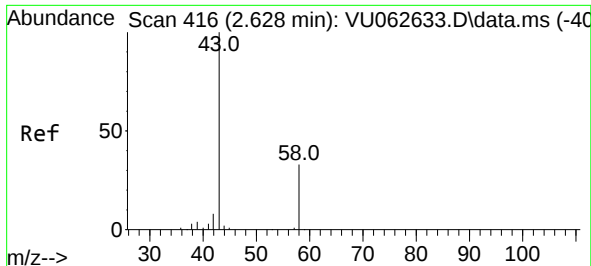
Tgt Ion:101 Resp: 34784
Ion Ratio Lower Upper
101 100
85 45.9 38.0 57.0
151 80.4 55.3 82.9



#12
1,1-Dichloroethene
Concen: 4.471 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion: 96 Resp: 30754
Ion Ratio Lower Upper
96 100
61 159.7 119.6 222.2
63 99.5 65.0 120.6





#13

Acetone

Concen: 47.679 ug/L

RT: 2.618 min Scan# 416

Delta R.T. -0.010 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

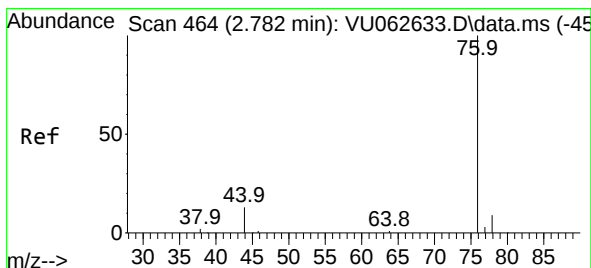
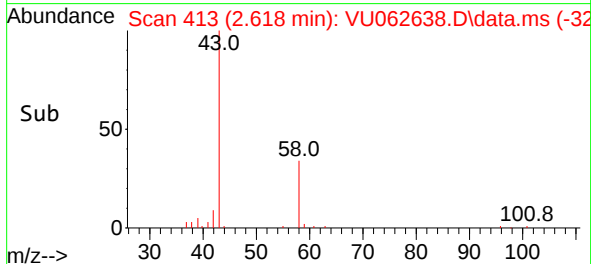
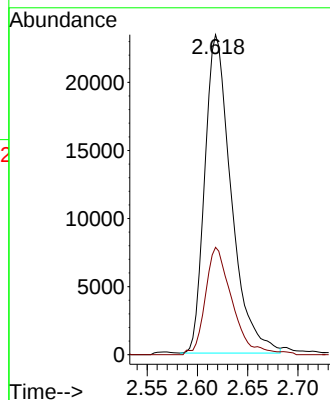
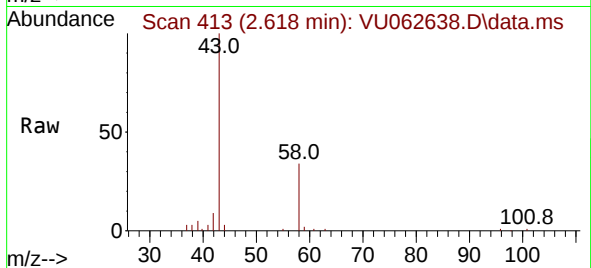
ClientSampleId :

Tgt Ion: 43 Resp: 42754

Ion Ratio Lower Upper

43 100

58 34.2 0.0 64.0



#14

Carbon disulfide

Concen: 3.619 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU062638.D

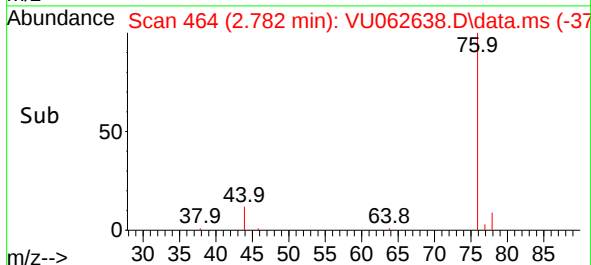
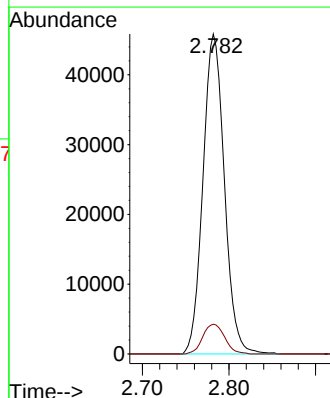
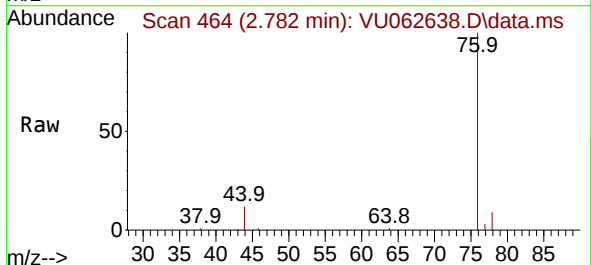
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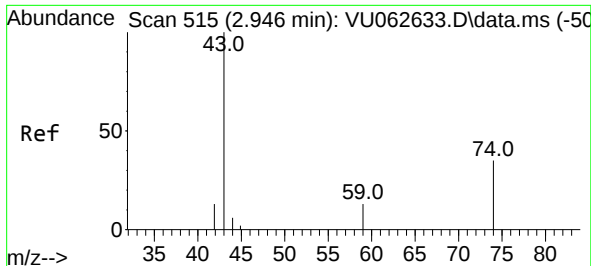
Tgt Ion: 76 Resp: 78726

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

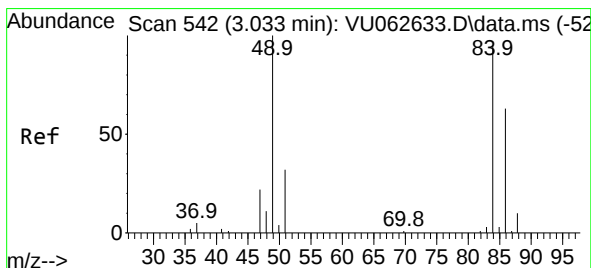
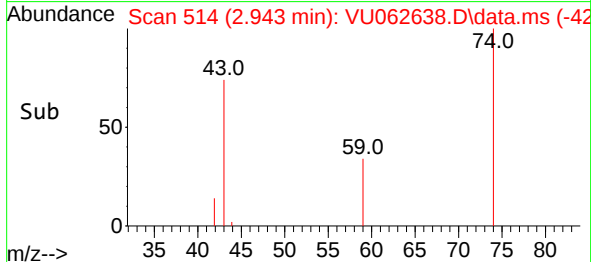
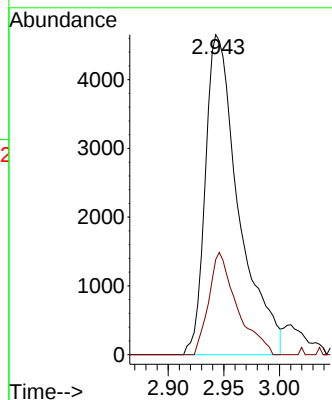
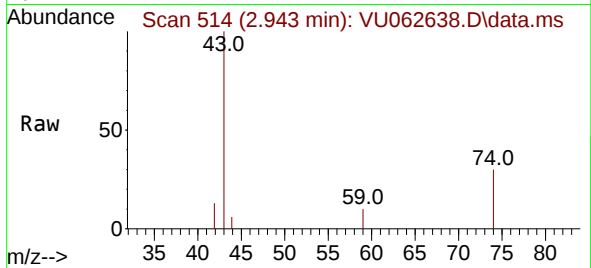




#15
Methyl Acetate
Concen: 4.315 ug/L
RT: 2.943 min Scan# 515
Delta R.T. -0.003 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

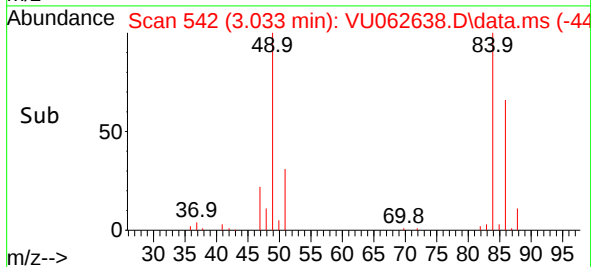
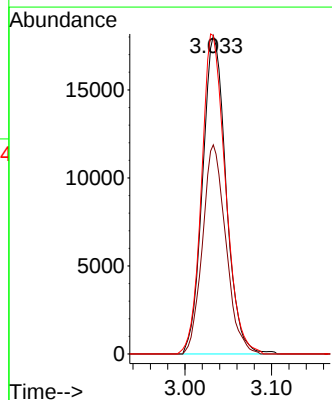
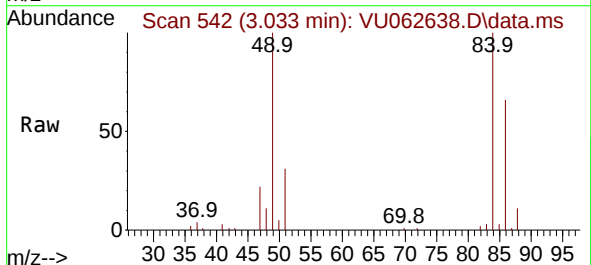
Instrument :
MSVOA_U
ClientSampleId :

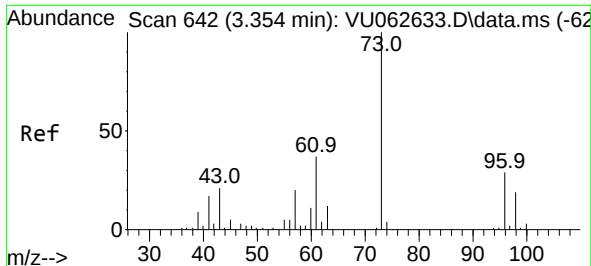
Tgt Ion: 43 Resp: 9698
Ion Ratio Lower Upper
43 100
74 27.1 19.4 29.2



#16
Methylene chloride
Concen: 4.718 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion: 84 Resp: 34072
Ion Ratio Lower Upper
84 100
86 65.7 43.5 80.7
49 100.0 81.9 152.1

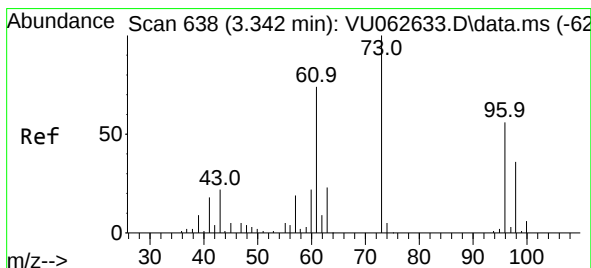
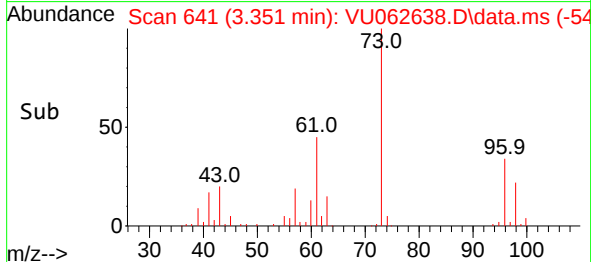
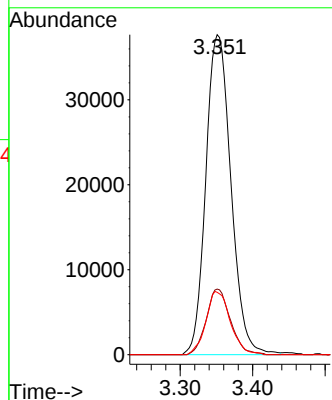
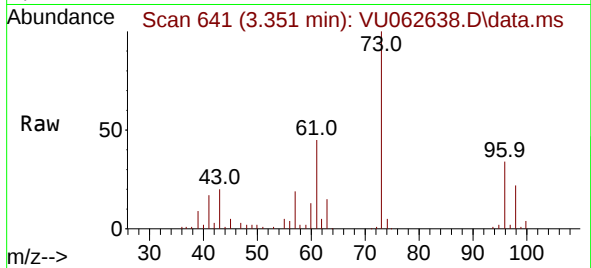




#17
Methyl tert-butyl Ether
Concen: 5.295 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

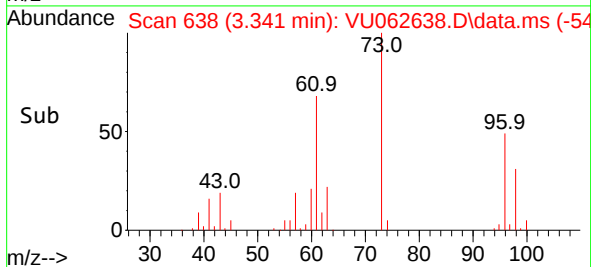
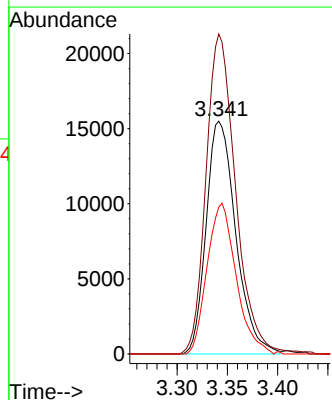
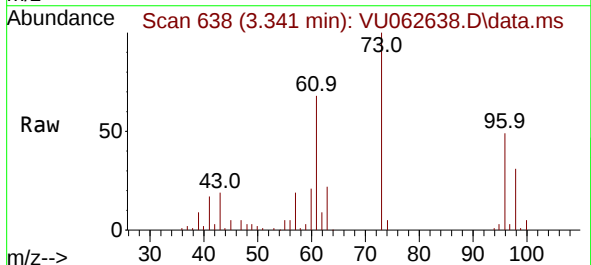
Instrument :
MSVOA_U
ClientSampleId :

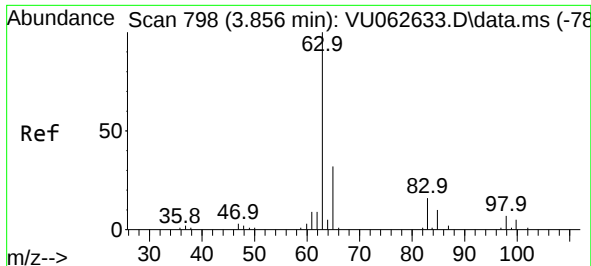
Tgt Ion: 73 Resp: 90743
Ion Ratio Lower Upper
73 100
43 19.7 16.3 24.5
57 19.2 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.502 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion: 96 Resp: 31821
Ion Ratio Lower Upper
96 100
61 137.5 104.2 193.4
98 63.1 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.697 ug/L

RT: 3.856 min Scan# 798

Delta R.T. -0.000 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

ClientSampleId :

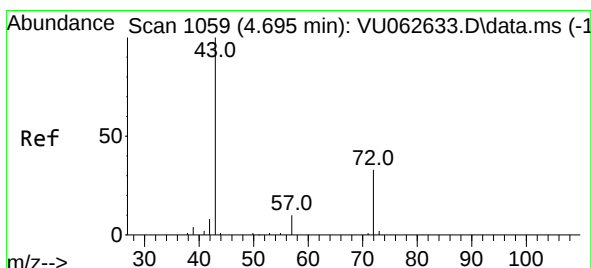
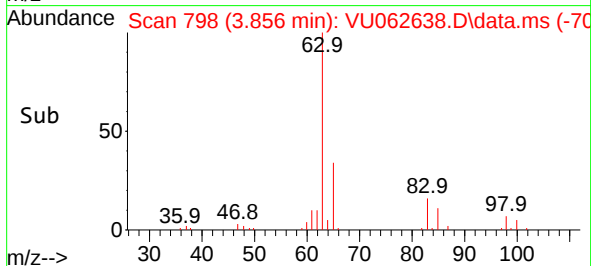
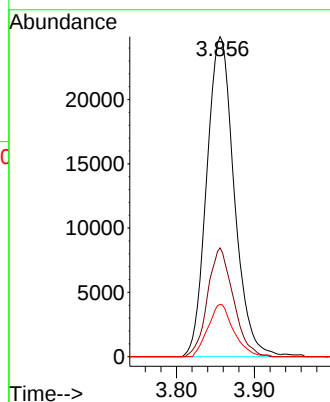
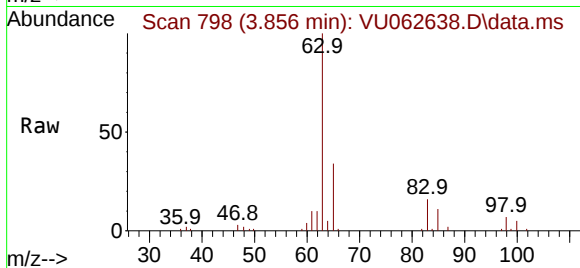
Tgt Ion: 63 Resp: 60854

Ion Ratio Lower Upper

63 100

65 34.0 22.7 42.3

83 16.4 9.9 18.3



#21

2-Butanone

Concen: 47.770 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. -0.003 min

Lab File: VU062638.D

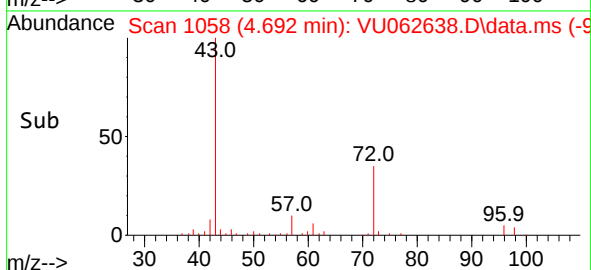
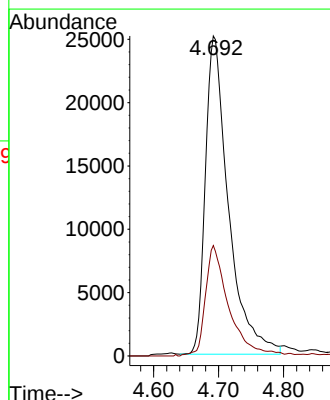
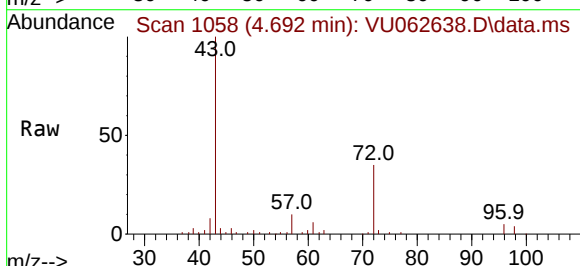
Acq: 30 Dec 2024 12:32

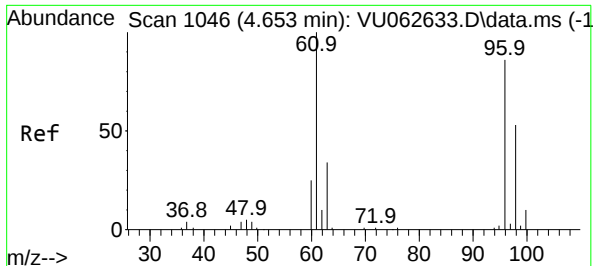
Tgt Ion: 43 Resp: 62208

Ion Ratio Lower Upper

43 100

72 34.2 14.8 44.4





#22

cis-1,2-Dichloroethene

Concen: 4.788 ug/L

RT: 4.656 min Scan# 1046

Delta R.T. 0.003 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

ClientSampleId :

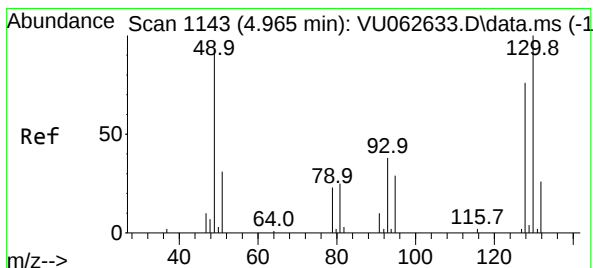
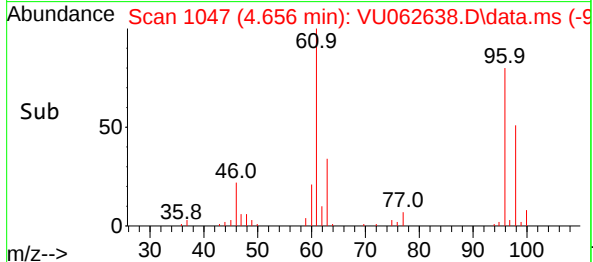
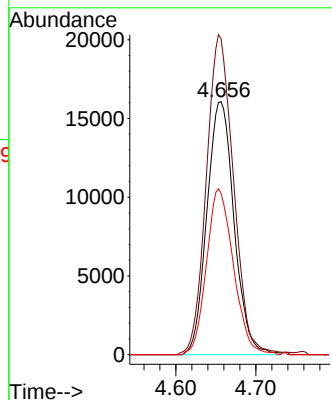
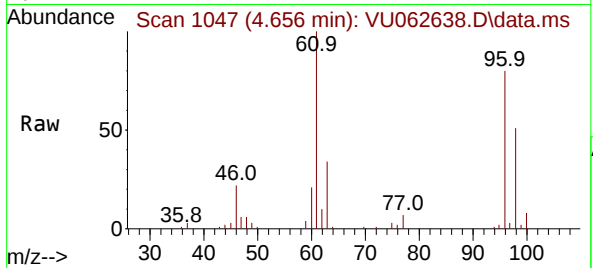
Tgt Ion: 96 Resp: 37932

Ion Ratio Lower Upper

96 100

61 124.9 92.0 170.8

98 63.8 44.5 82.7



#23

Bromochloromethane

Concen: 5.161 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.003 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Tgt Ion: 128 Resp: 17921

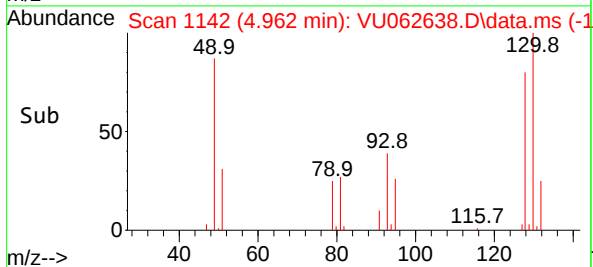
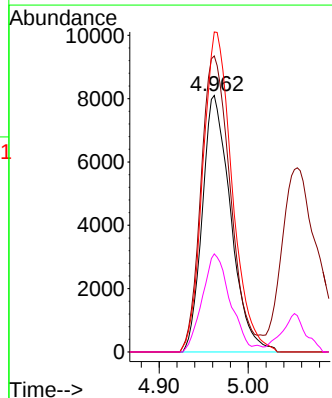
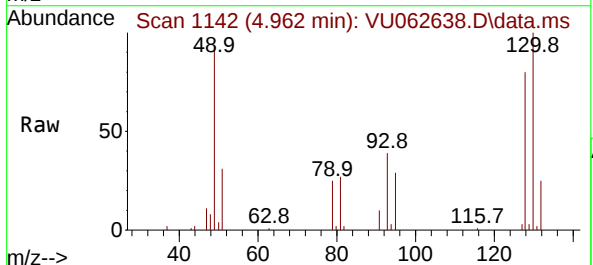
Ion Ratio Lower Upper

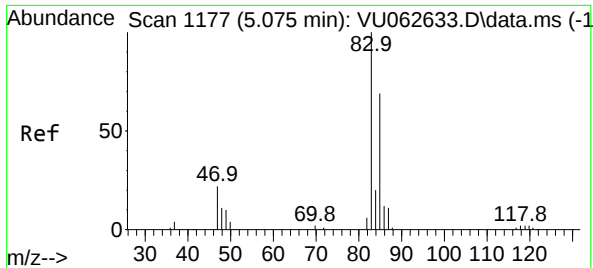
128 100

49 115.4 115.3 214.1

130 124.7 92.0 170.8

51 38.2 44.7 67.1#





#25

Chloroform

Concen: 5.267 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

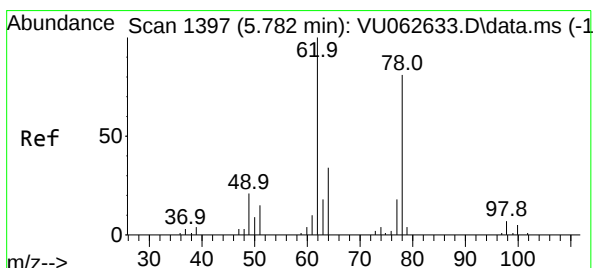
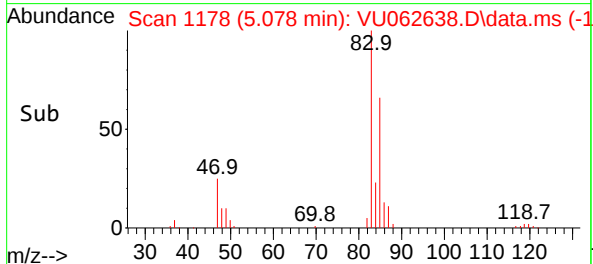
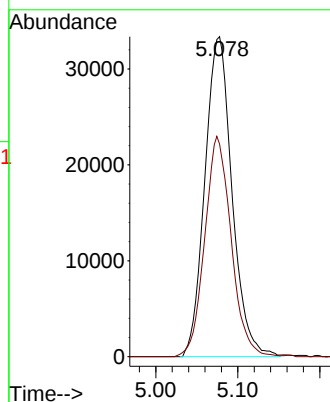
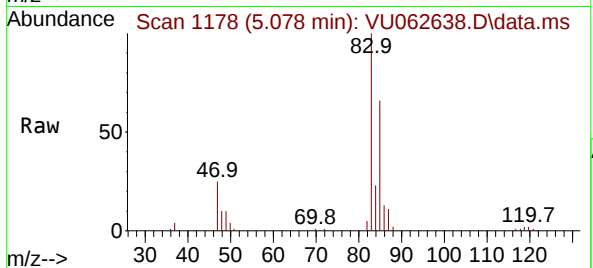
ClientSampleId :

Tgt Ion: 83 Resp: 76865

Ion Ratio Lower Upper

83 100

85 66.5 45.4 84.2



#27

1,2-Dichloroethane

Concen: 5.266 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU062638.D

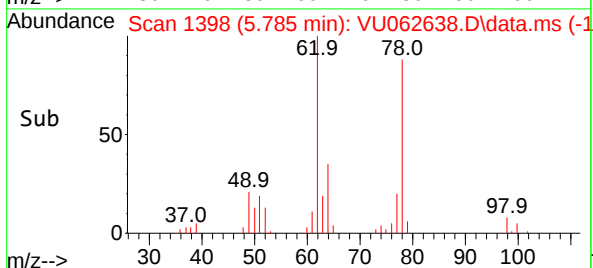
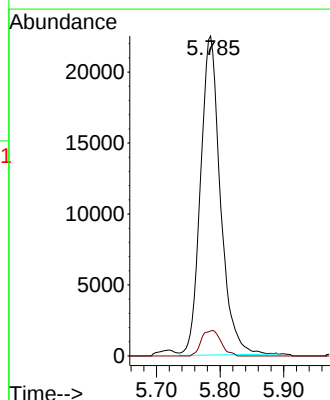
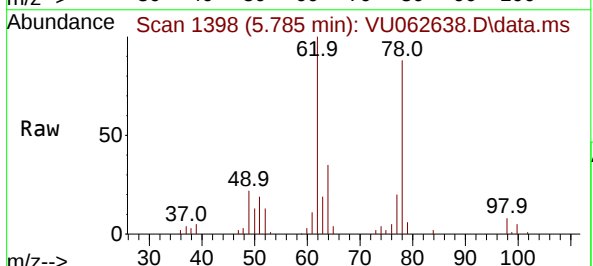
Acq: 30 Dec 2024 12:32

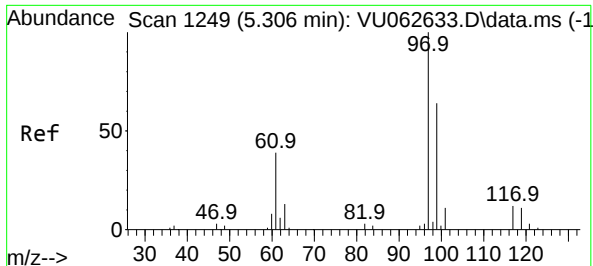
Tgt Ion: 62 Resp: 48833

Ion Ratio Lower Upper

62 100

98 7.8 7.4 11.0

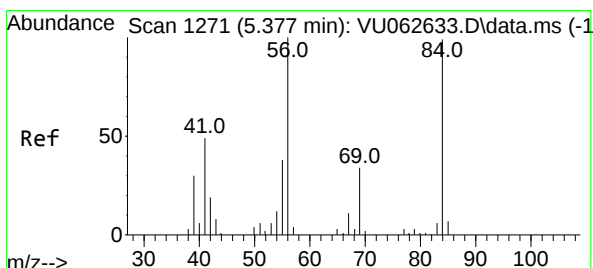
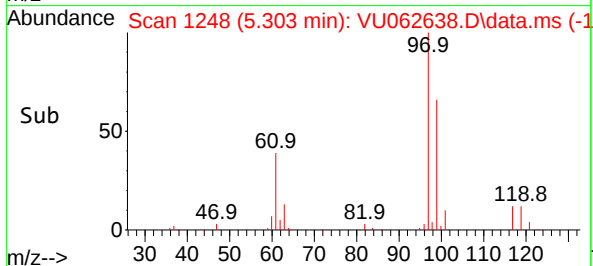
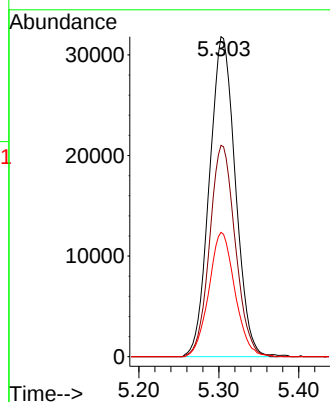
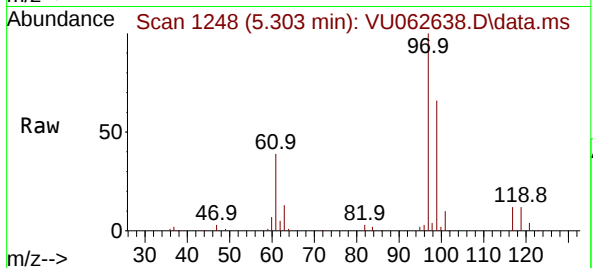




#29
1,1,1-Trichloroethane
Concen: 5.343 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.003 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

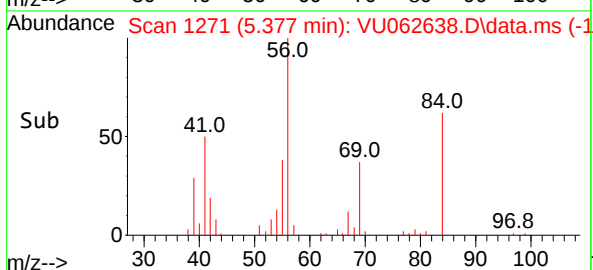
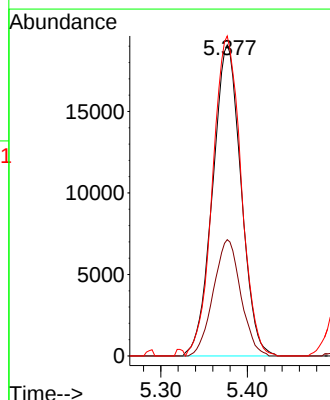
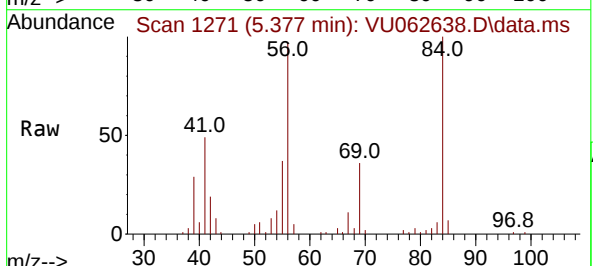
Instrument :
MSVOA_U
ClientSampleId :

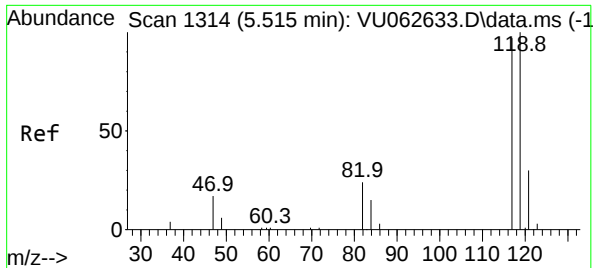
Tgt Ion: 97	Resp: 71783
Ion Ratio	Lower Upper
97 100	
99 65.2	51.4 77.2
61 39.0	37.8 56.6



#30
Cyclohexane
Concen: 3.987 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion: 56	Resp: 43435
Ion Ratio	Lower Upper
56 100	
69 36.1	25.1 37.7
84 102.8	70.6 105.8

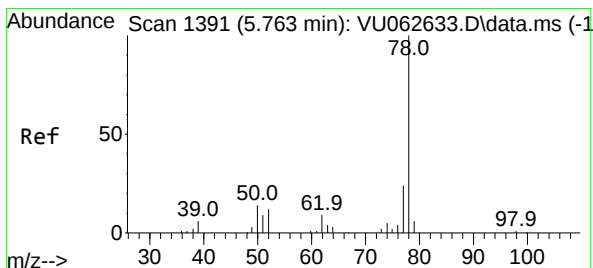
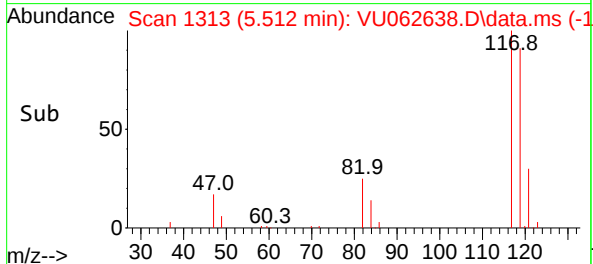
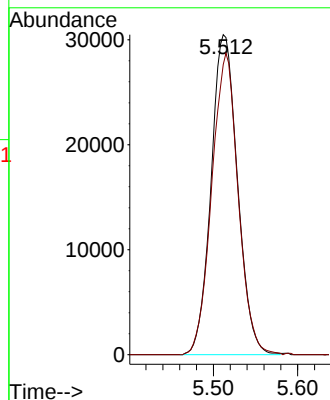
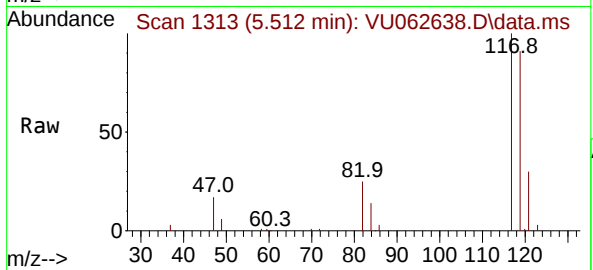




#31
Carbon tetrachloride
Concen: 5.397 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

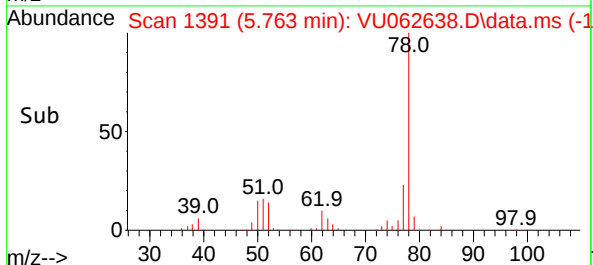
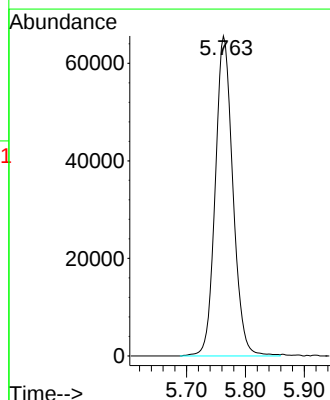
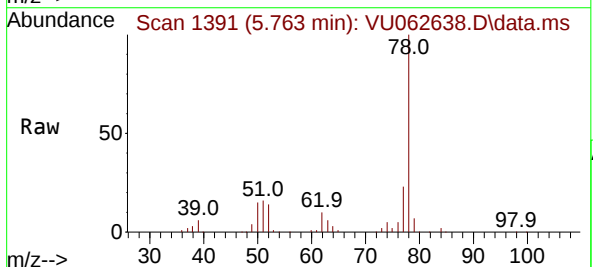
Instrument :
MSVOA_U
ClientSampleId :

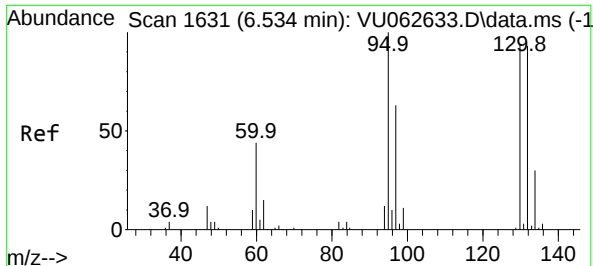
Tgt Ion:117 Resp: 66482
Ion Ratio Lower Upper
117 100
119 94.1 77.5 116.3



#33
Benzene
Concen: 4.624 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion: 78 Resp: 136837





#34

Trichloroethene

Concen: 5.173 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 43370

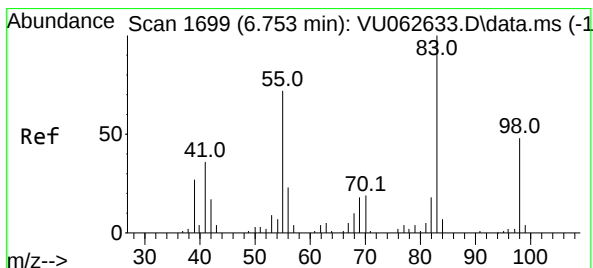
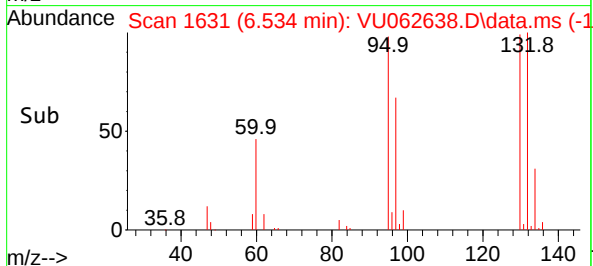
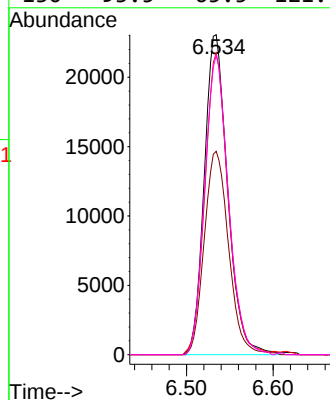
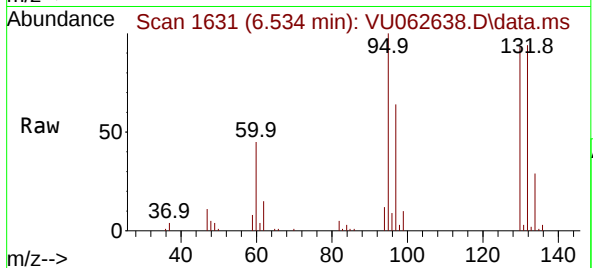
Ion Ratio Lower Upper

95 100

97 63.5 45.9 85.3

132 94.2 63.8 118.4

130 93.5 65.5 121.7



#35

Methylcyclohexane

Concen: 4.314 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

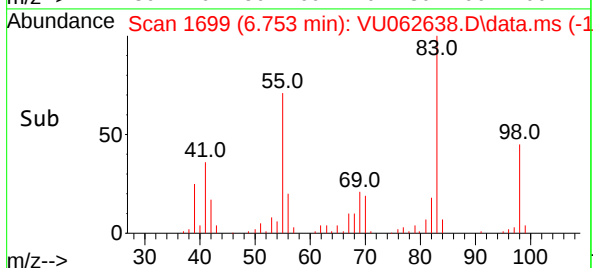
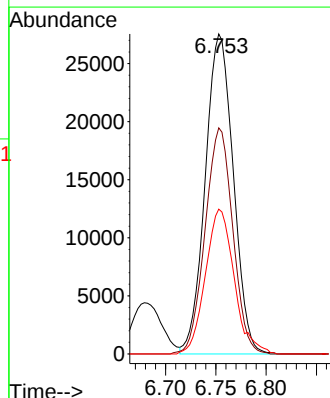
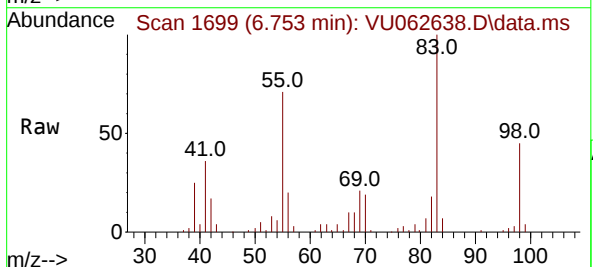
Tgt Ion: 83 Resp: 53616

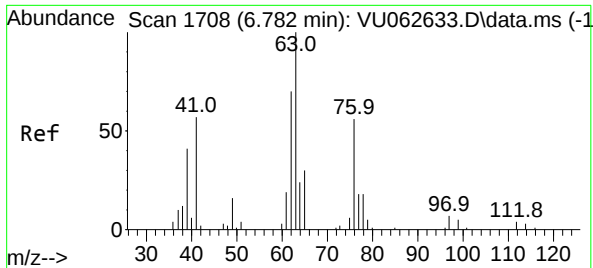
Ion Ratio Lower Upper

83 100

55 69.6 60.7 91.1

98 46.2 34.8 52.2

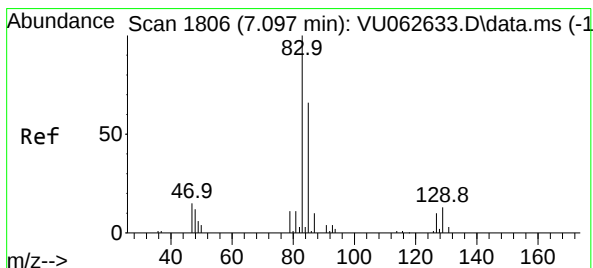
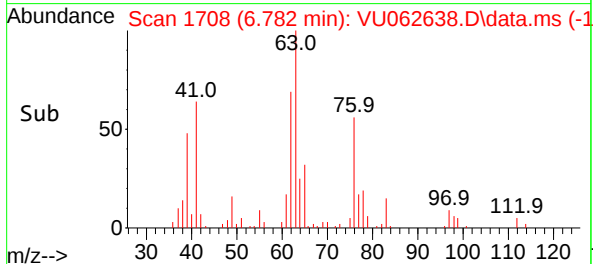
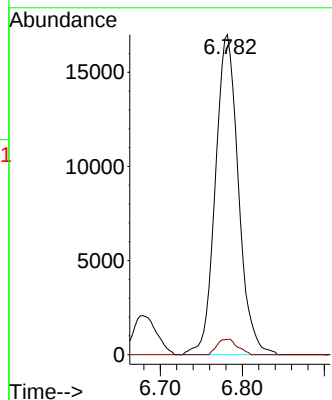
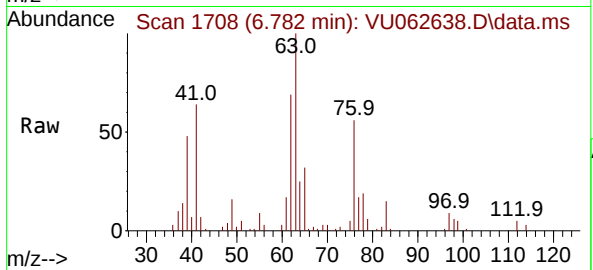




#37
1,2-Dichloropropane
Concen: 4.613 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

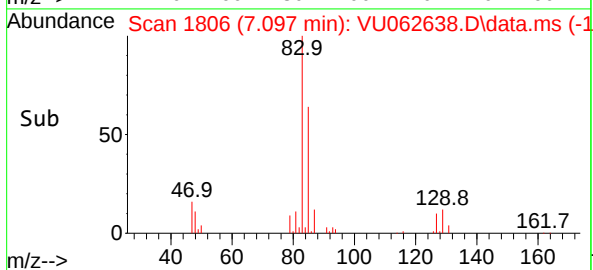
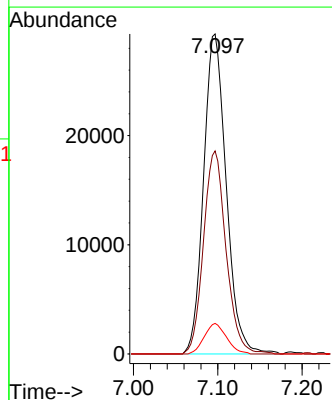
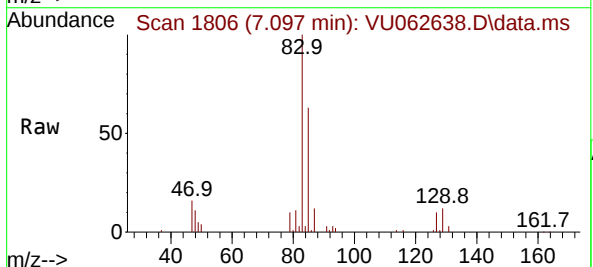
Instrument :
MSVOA_U
ClientSampleId :

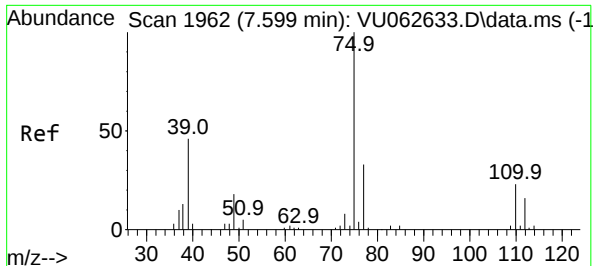
Tgt Ion: 63 Resp: 33244
Ion Ratio Lower Upper
63 100
112 4.3 3.4 5.0



#38
Bromodichloromethane
Concen: 5.393 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion: 83 Resp: 54839
Ion Ratio Lower Upper
83 100
85 63.5 44.1 81.9
127 9.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.979 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

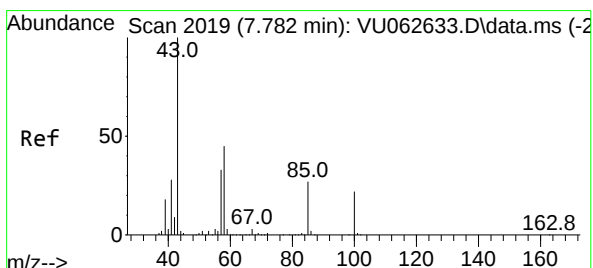
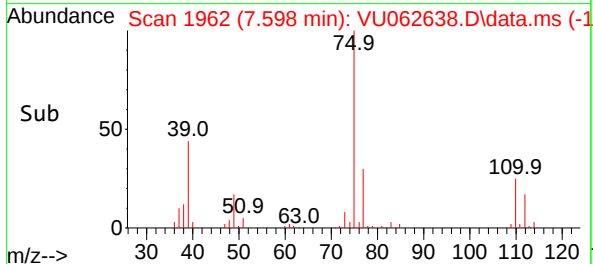
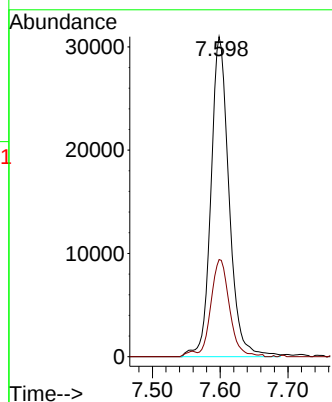
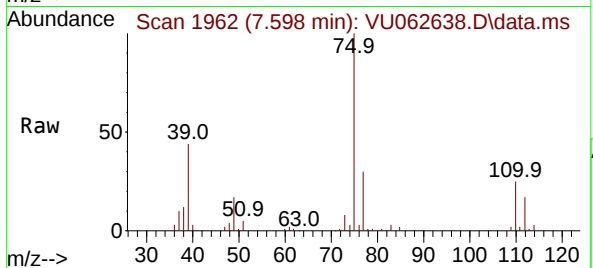
ClientSampleId :

Tgt Ion: 75 Resp: 57513

Ion Ratio Lower Upper

75 100

77 30.3 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 48.397 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

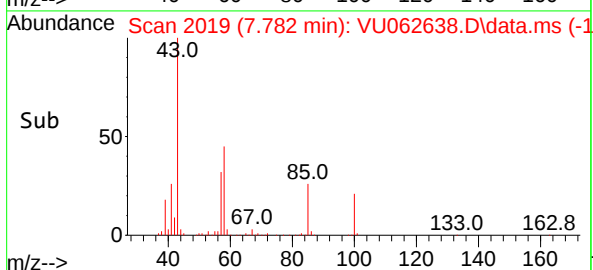
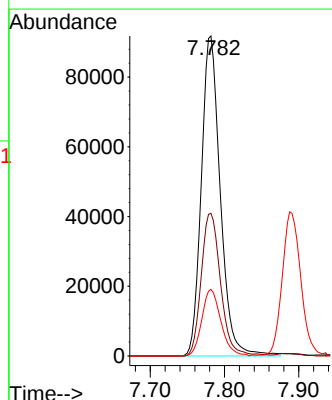
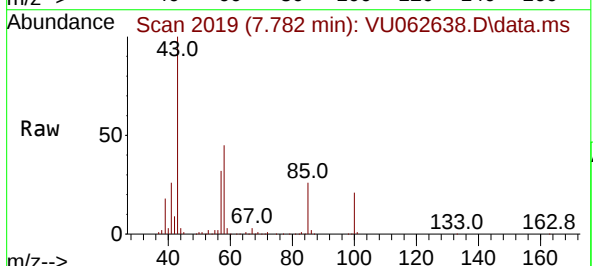
Tgt Ion: 43 Resp: 163472

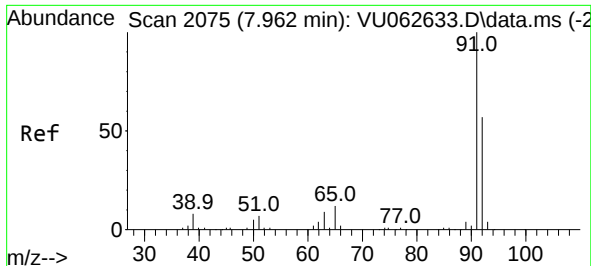
Ion Ratio Lower Upper

43 100

58 45.1 33.3 49.9

100 20.8 12.4 18.6#





#42

Toluene

Concen: 4.801 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

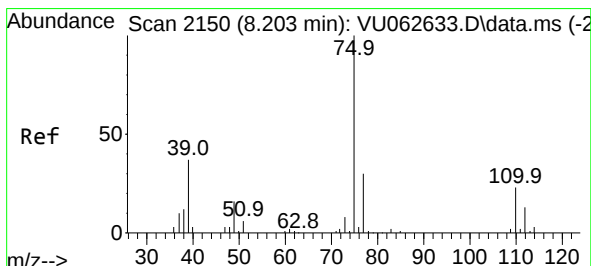
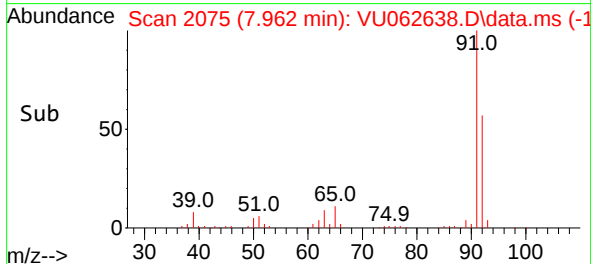
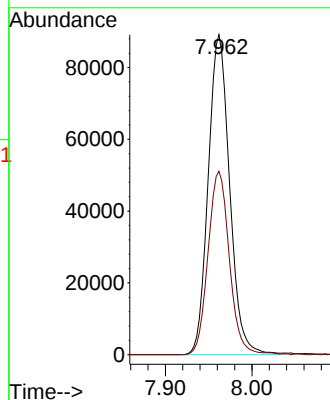
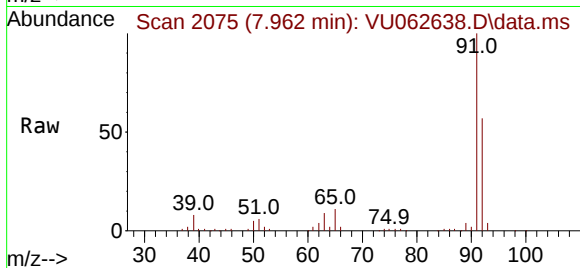
ClientSampleId :

Tgt Ion: 91 Resp: 153215

Ion Ratio Lower Upper

91 100

92 57.3 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 5.322 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU062638.D

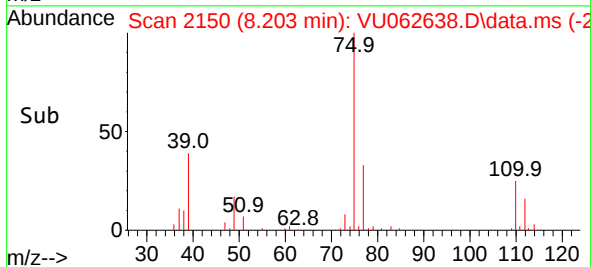
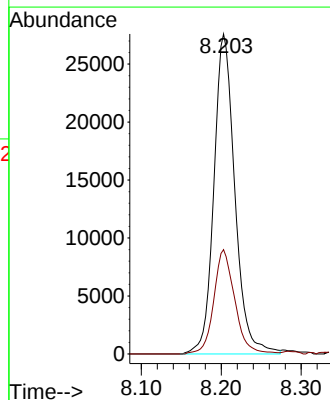
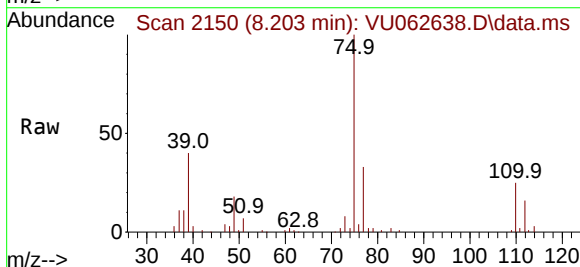
Acq: 30 Dec 2024 12:32

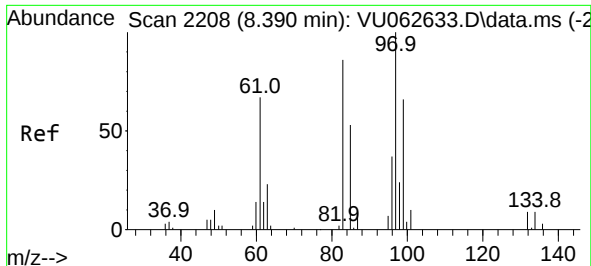
Tgt Ion: 75 Resp: 50207

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 5.057 ug/L

RT: 8.389 min Scan# 21

Delta R.T. -0.000 min

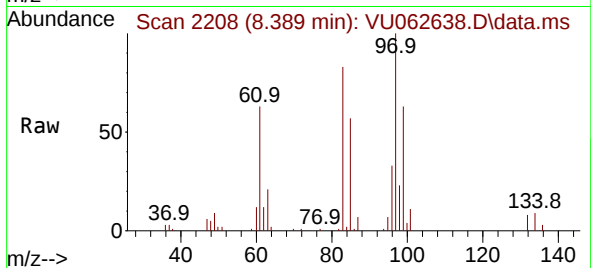
Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 27516

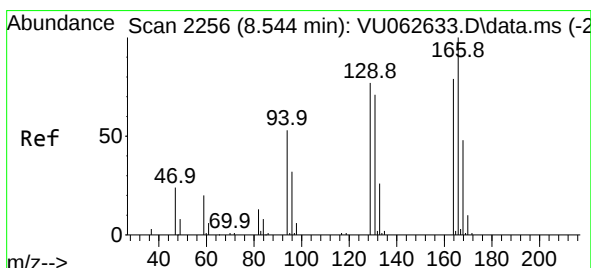
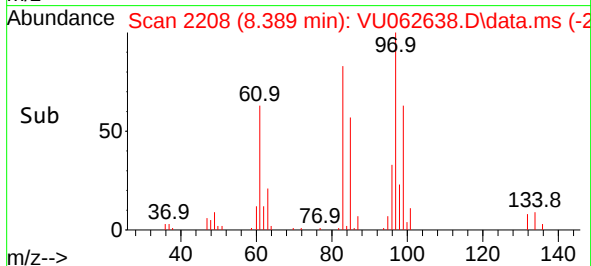
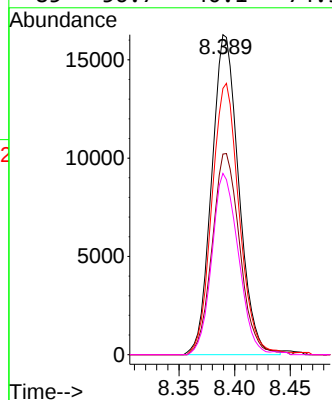
Ion Ratio Lower Upper

97 100

99 62.7 43.0 79.8

83 83.2 61.7 114.5

85 56.7 40.1 74.5



#47

Tetrachloroethene

Concen: 4.868 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Tgt Ion:164 Resp: 31507

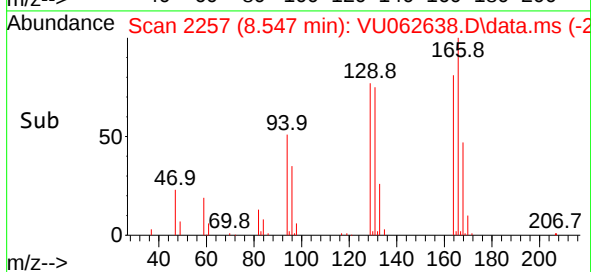
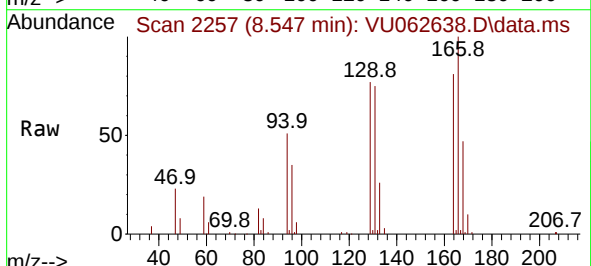
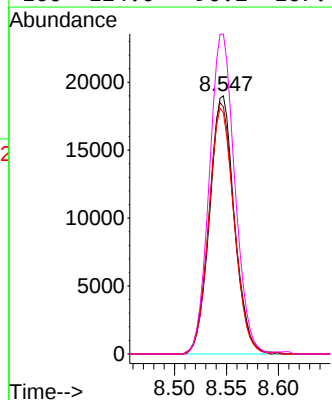
Ion Ratio Lower Upper

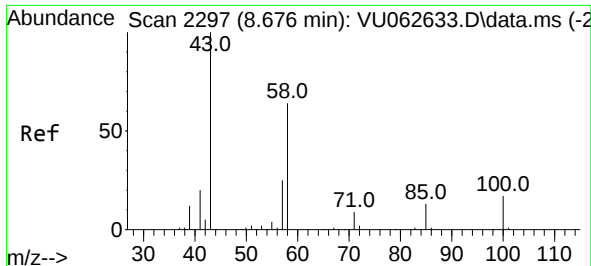
164 100

129 95.6 73.2 136.0

131 93.3 72.3 134.3

166 124.0 90.2 167.4

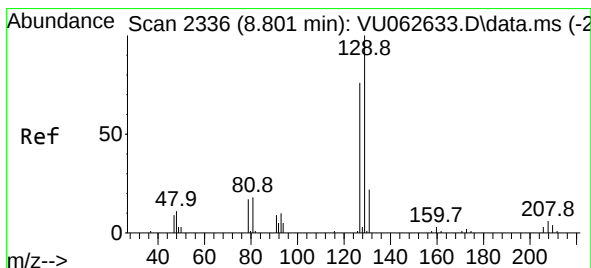
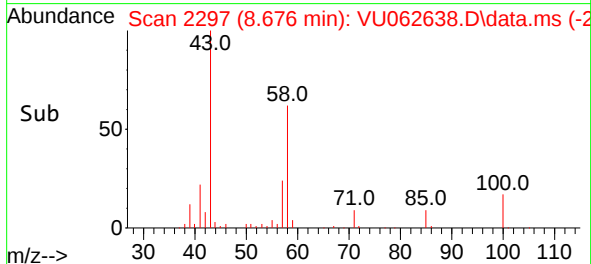
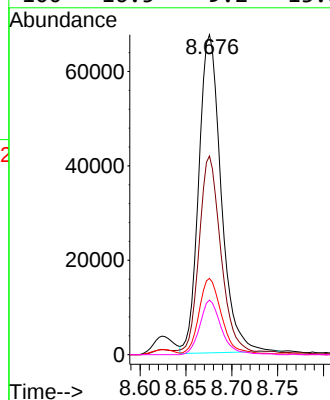
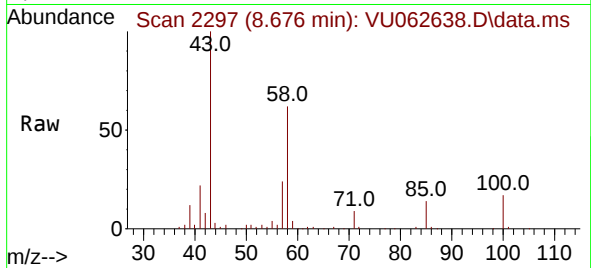




#48
2-Hexanone
Concen: 45.856 ug/L
RT: 8.676 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

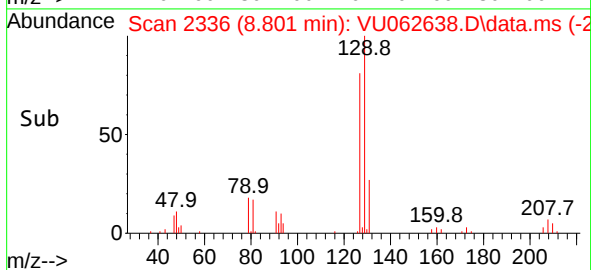
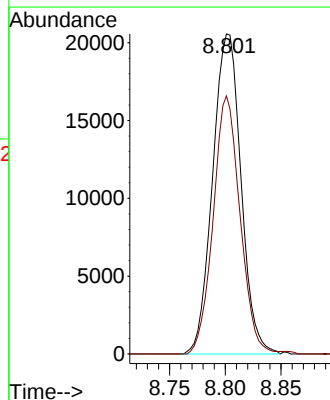
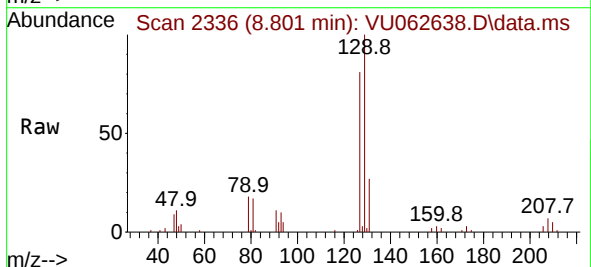
Instrument :
MSVOA_U
ClientSampleId :

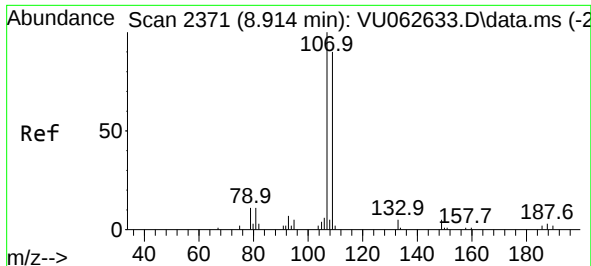
Tgt Ion:	43	Resp:	114469
Ion	Ratio	Lower	Upper
43	100		
58	59.5	47.5	71.3
57	24.2	15.6	23.4#
100	16.5	9.2	13.8#



#49
Dibromochloromethane
Concen: 5.540 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion:	129	Resp:	36420
Ion	Ratio	Lower	Upper
129	100		
127	80.7	51.1	94.9





#50

1,2-Dibromoethane

Concen: 5.194 ug/L

RT: 8.914 min Scan# 21

Delta R.T. -0.000 min

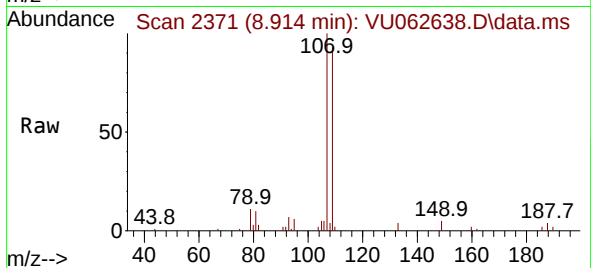
Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

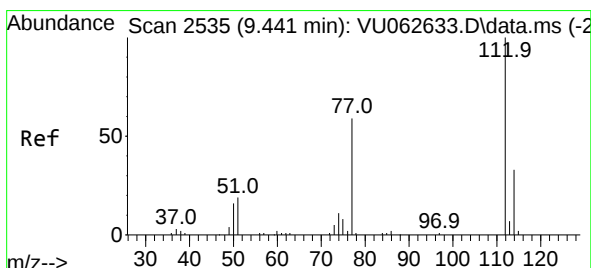
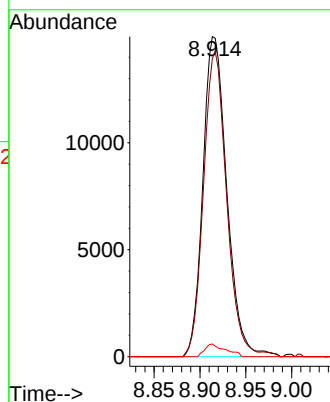
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	27152
Ion	Ratio	Lower	Upper
107	100		
109	93.2	66.8	124.2
188	4.0	2.3	3.5



#51

Chlorobenzene

Concen: 4.903 ug/L

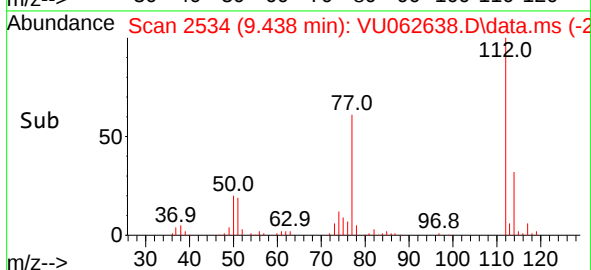
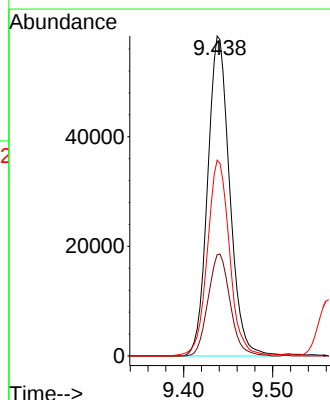
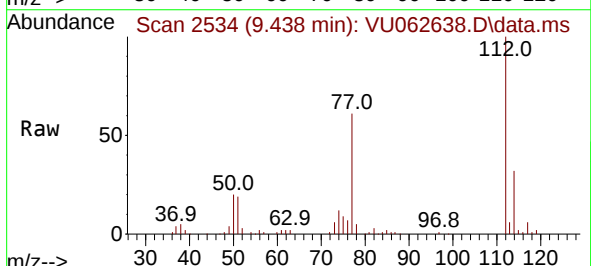
RT: 9.438 min Scan# 2534

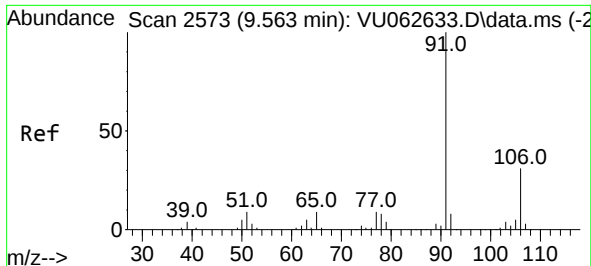
Delta R.T. -0.003 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Tgt Ion:	112	Resp:	100257
Ion	Ratio	Lower	Upper
112	100		
114	31.6	23.0	42.6
77	61.2	50.5	75.7

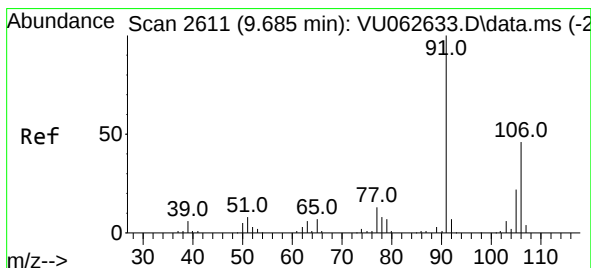
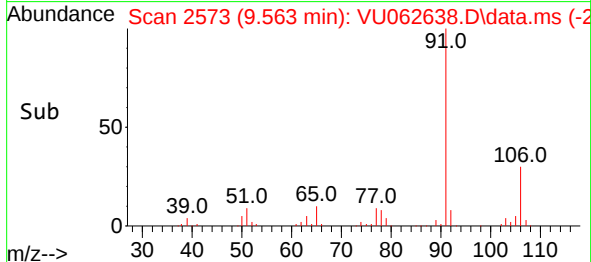
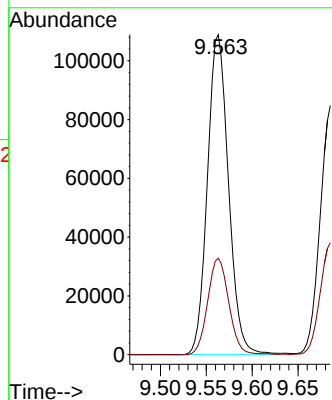
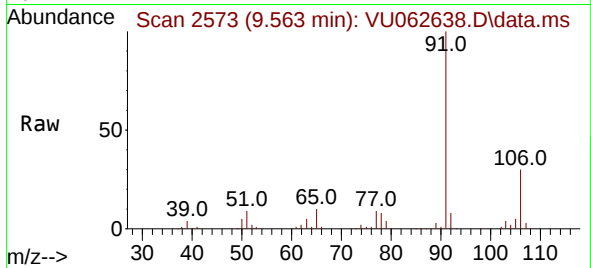




#52
Ethylbenzene
Concen: 4.869 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

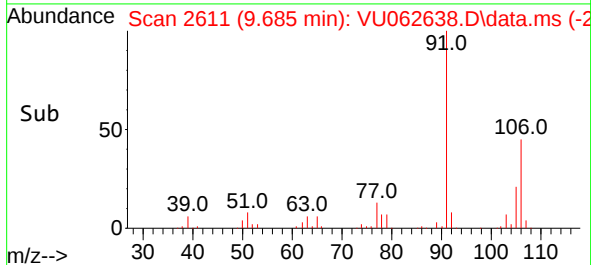
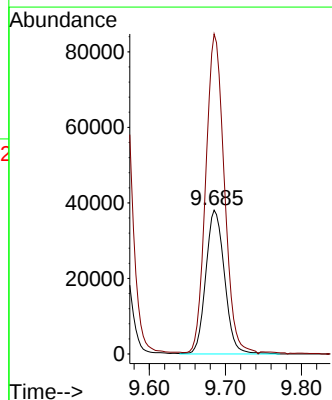
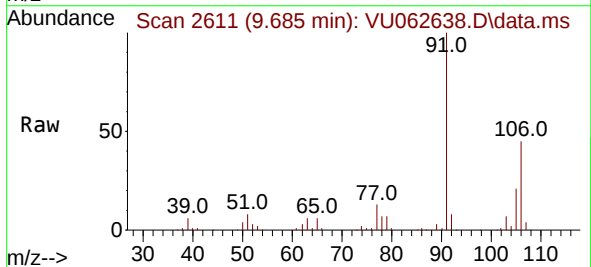
Instrument :
MSVOA_U
ClientSampleId :

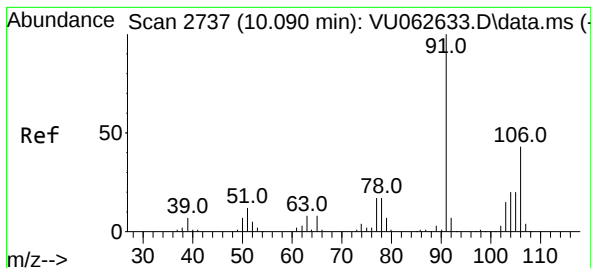
Tgt Ion: 91 Resp: 174209
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.0



#53
m,p-Xylene
Concen: 4.938 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion: 106 Resp: 65229
Ion Ratio Lower Upper
106 100
91 222.5 147.6 274.0





#54

o-Xylene

Concen: 4.857 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

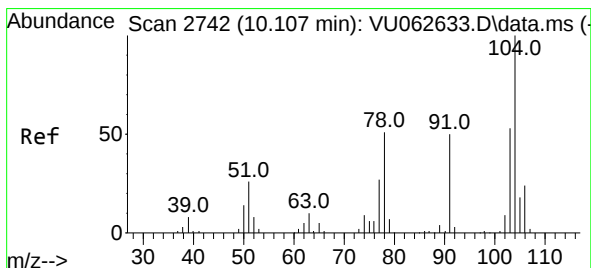
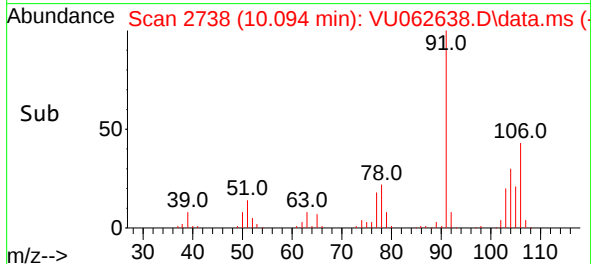
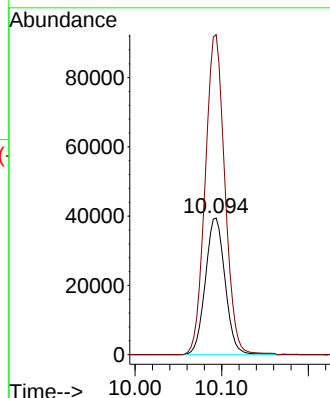
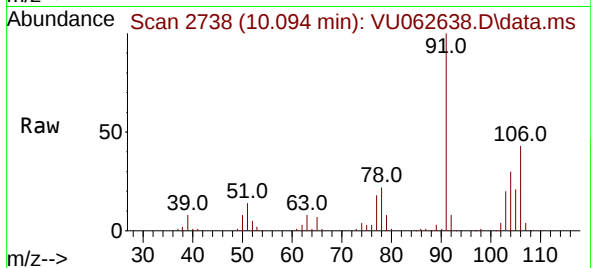
ClientSampleId :

Tgt Ion:106 Resp: 62395

Ion Ratio Lower Upper

106 100

91 234.1 159.8 296.8



#55

Styrene

Concen: 5.150 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU062638.D

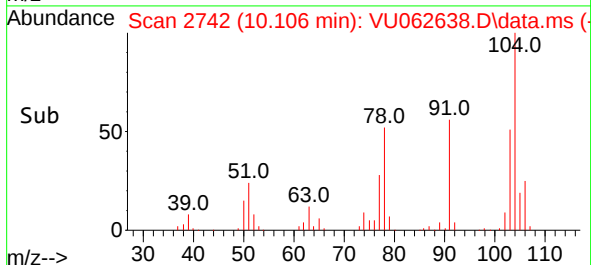
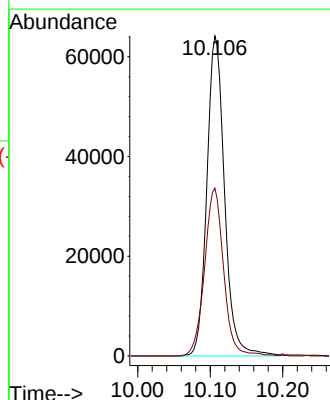
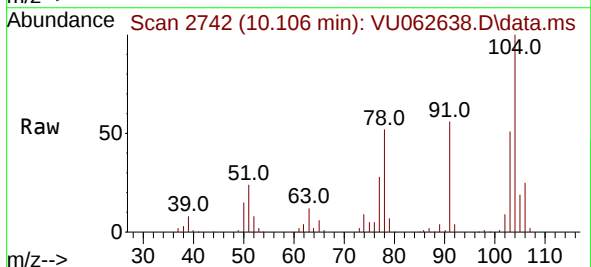
Acq: 30 Dec 2024 12:32

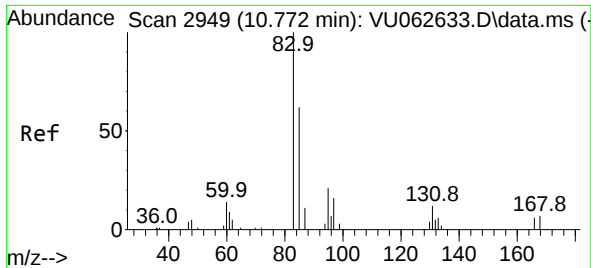
Tgt Ion:104 Resp: 109076

Ion Ratio Lower Upper

104 100

78 52.4 33.2 61.7

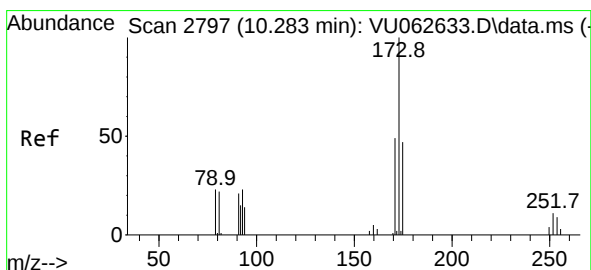
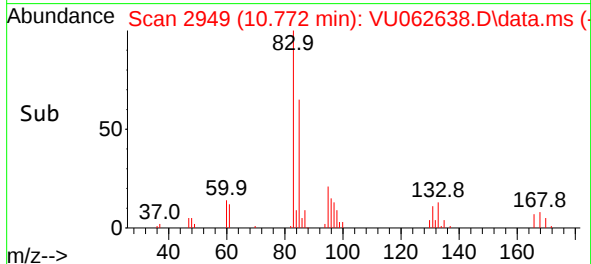
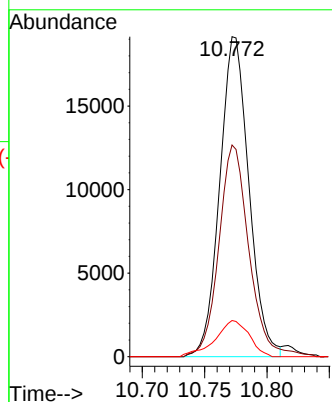
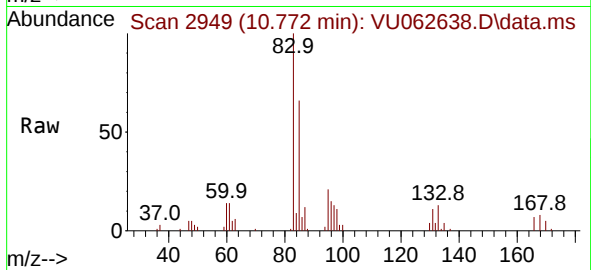




#57
1,1,2,2-Tetrachloroethane
Concen: 4.928 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

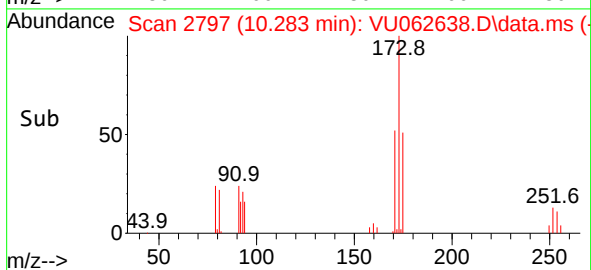
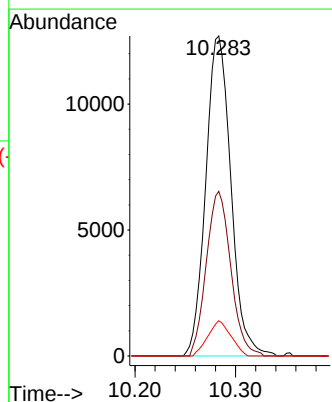
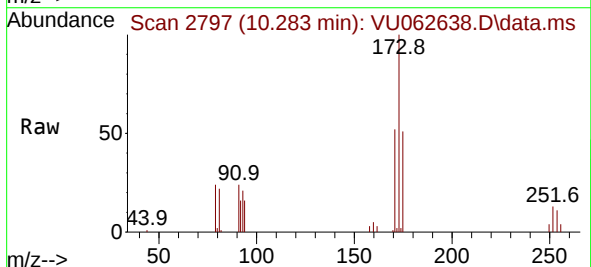
Instrument :
MSVOA_U
ClientSampleId :

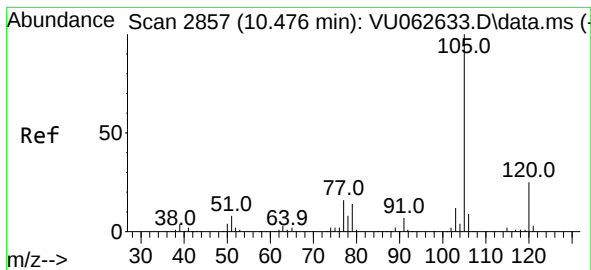
Tgt Ion: 83 Resp: 31205
Ion Ratio Lower Upper
83 100
85 66.2 44.4 82.4
131 11.3 7.3 10.9#



#59
Bromoform
Concen: 5.566 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion:173 Resp: 22080
Ion Ratio Lower Upper
173 100
175 50.0 39.0 58.4
254 10.0 7.4 11.0





#60

Isopropylbenzene

Concen: 4.916 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

ClientSampleId :

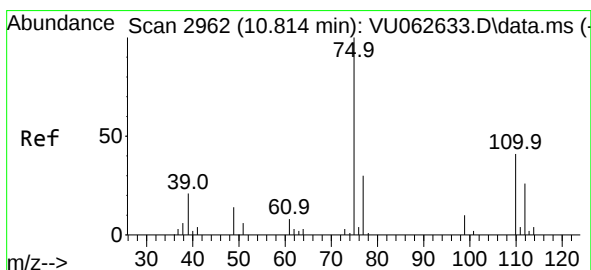
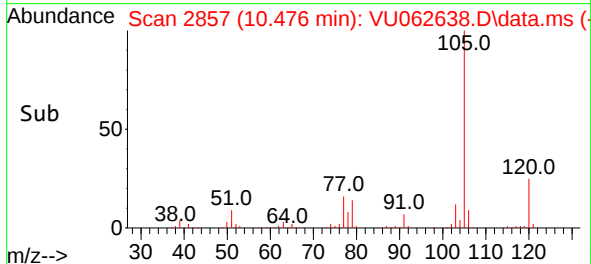
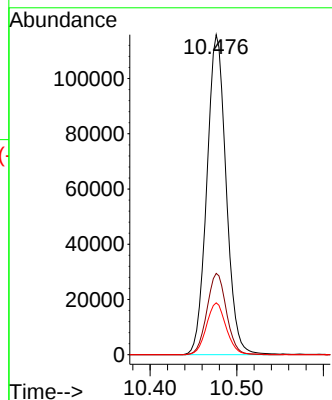
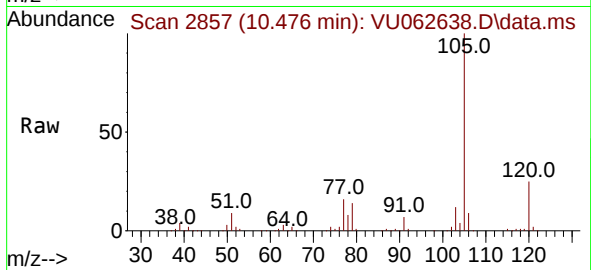
Tgt Ion:105 Resp: 179268

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

77 16.6 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 5.011 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

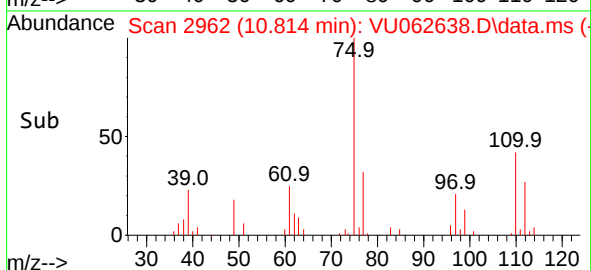
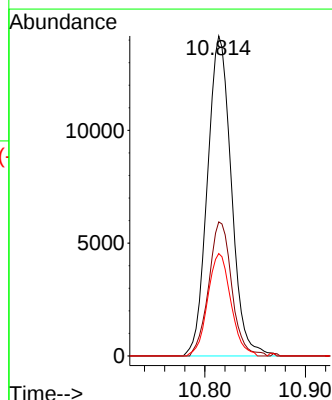
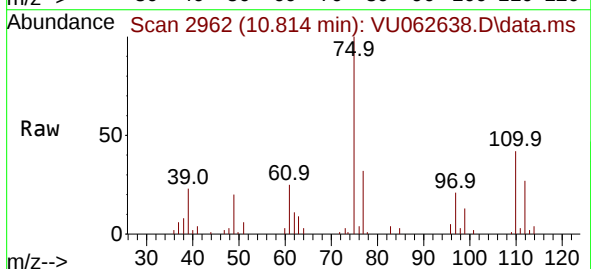
Tgt Ion: 75 Resp: 23390

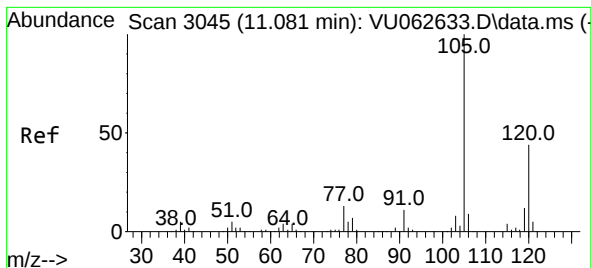
Ion Ratio Lower Upper

75 100

110 40.4 28.9 43.3

77 31.0 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 5.032 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

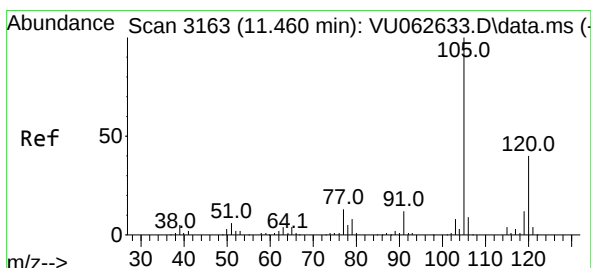
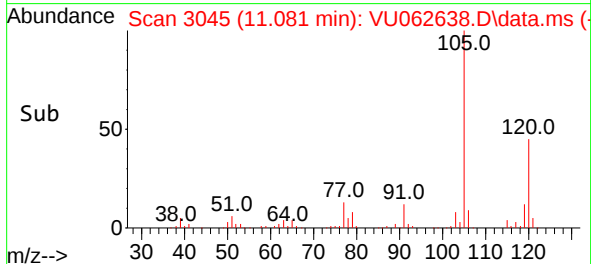
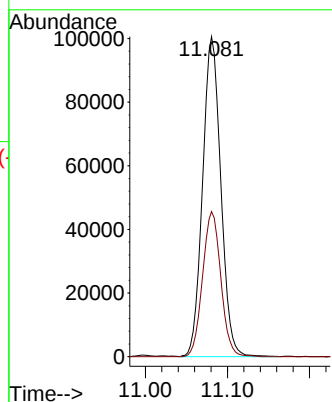
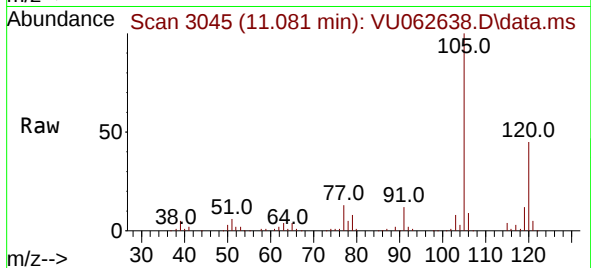
ClientSampleId :

Tgt Ion:105 Resp: 155284

Ion Ratio Lower Upper

105 100

120 45.4 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 5.069 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU062638.D

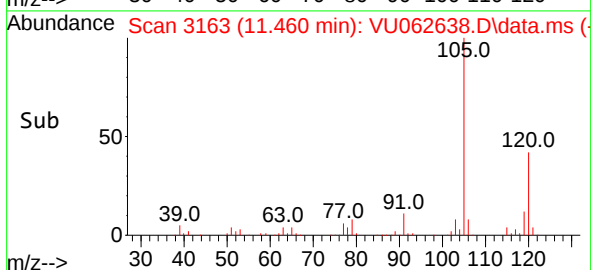
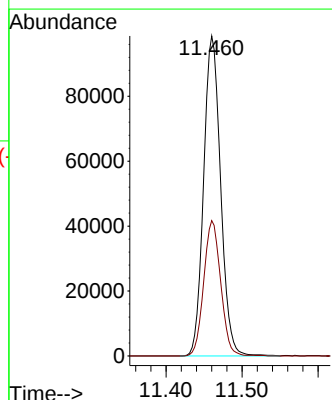
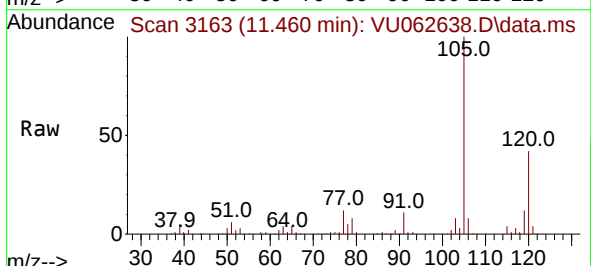
Acq: 30 Dec 2024 12:32

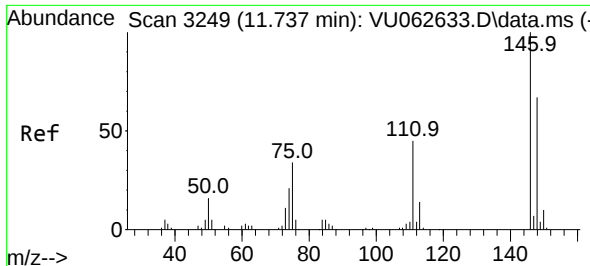
Tgt Ion:105 Resp: 153256

Ion Ratio Lower Upper

105 100

120 42.1 34.7 52.1

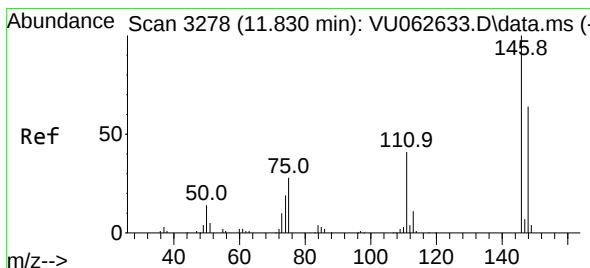
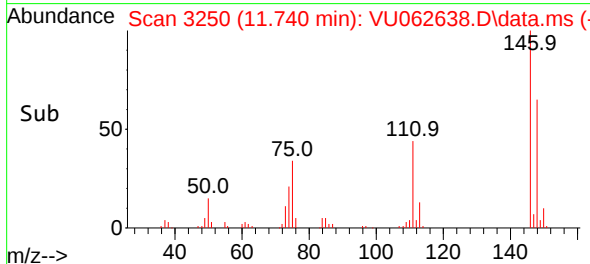
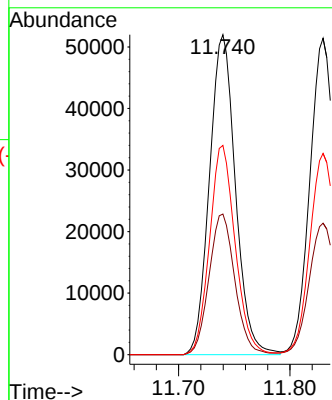
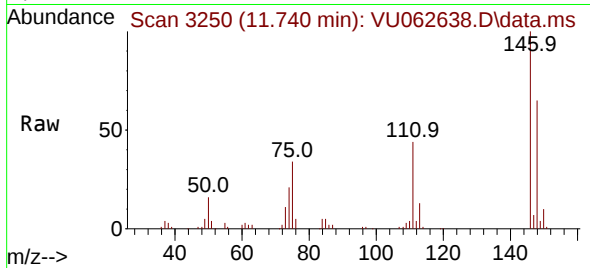




#64
1,3-Dichlorobenzene
Concen: 5.024 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

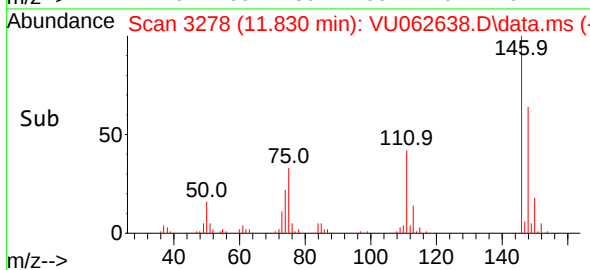
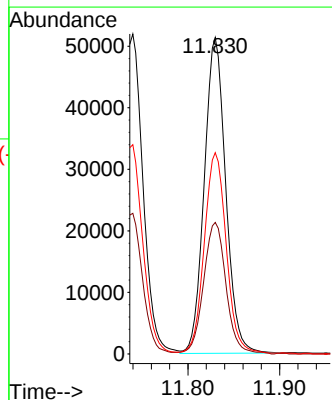
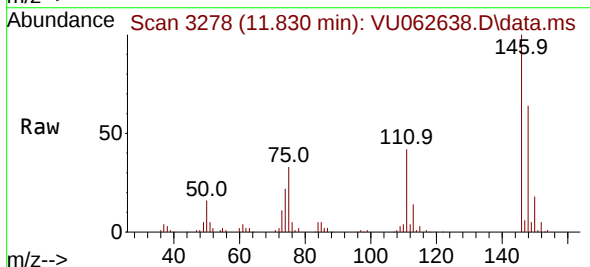
Instrument :
MSVOA_U
ClientSampleId :

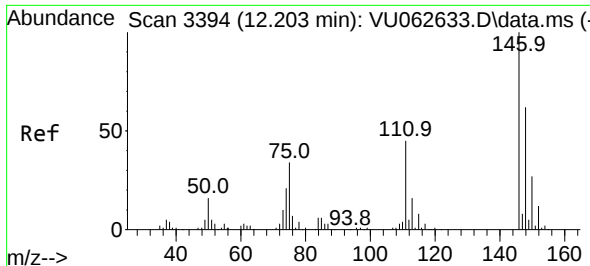
Tgt Ion:146 Resp: 84165
Ion Ratio Lower Upper
146 100
111 44.0 30.7 57.1
148 65.4 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 4.954 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion:146 Resp: 83560
Ion Ratio Lower Upper
146 100
111 41.5 29.3 54.3
148 63.6 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 5.154 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

ClientSampleId :

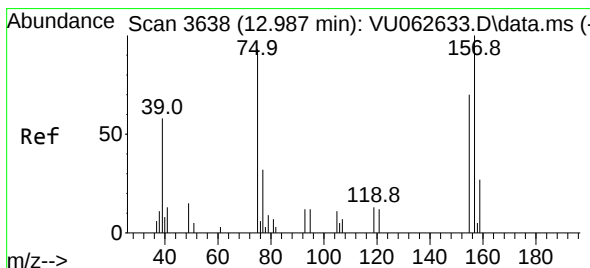
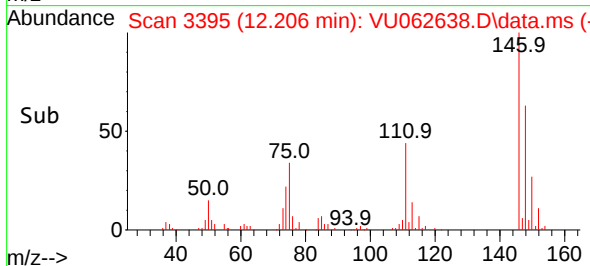
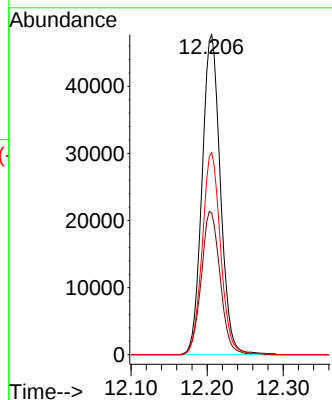
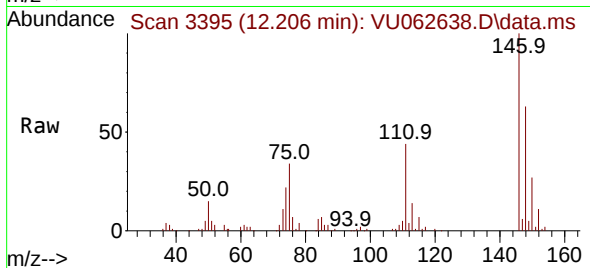
Tgt Ion:146 Resp: 79784

Ion Ratio Lower Upper

146 100

111 44.2 36.0 54.0

148 63.2 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 6.148 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

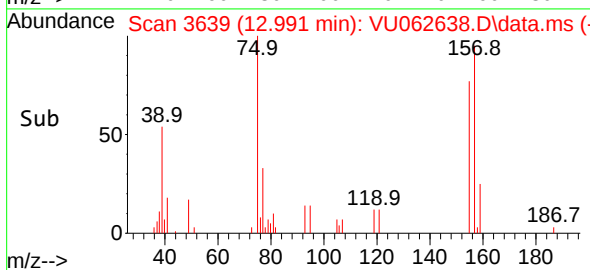
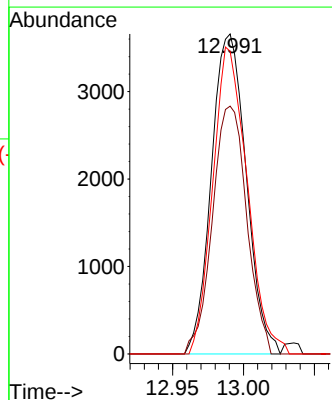
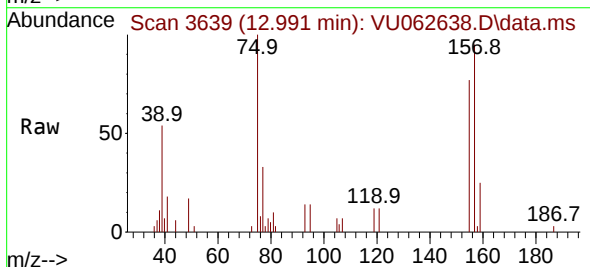
Tgt Ion: 75 Resp: 6260

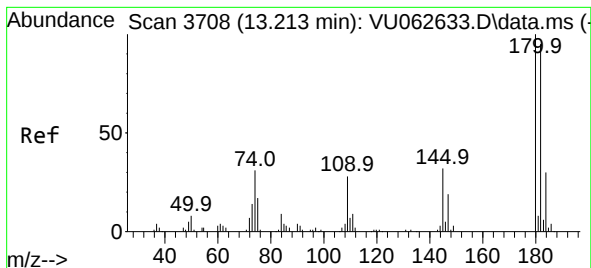
Ion Ratio Lower Upper

75 100

155 77.4 55.2 82.8

157 94.6 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 5.313 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

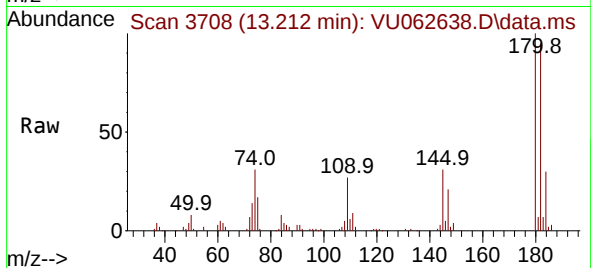
Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 66159

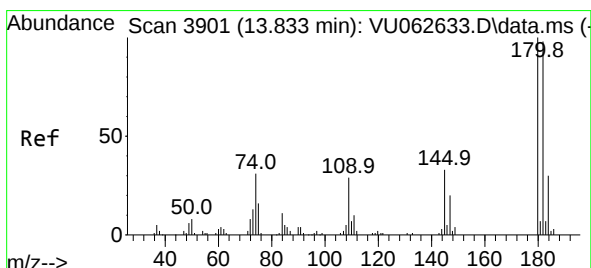
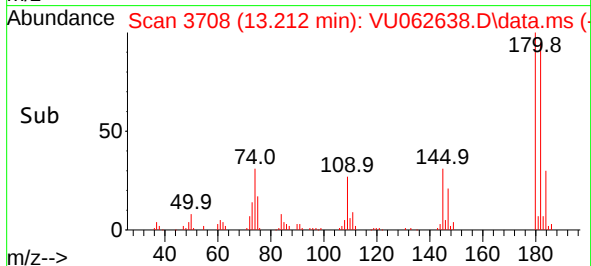
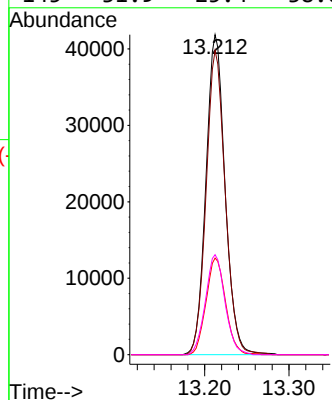
Ion Ratio Lower Upper

180 100

182 94.9 76.7 115.1

184 30.9 24.8 37.2

145 31.9 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.490 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU062638.D

Acq: 30 Dec 2024 12:32

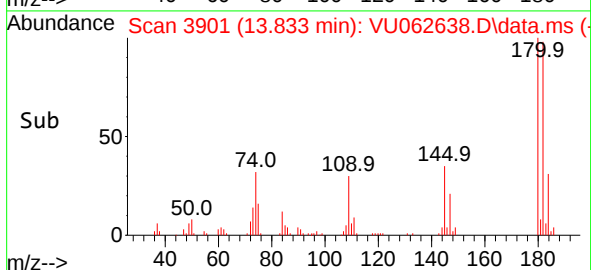
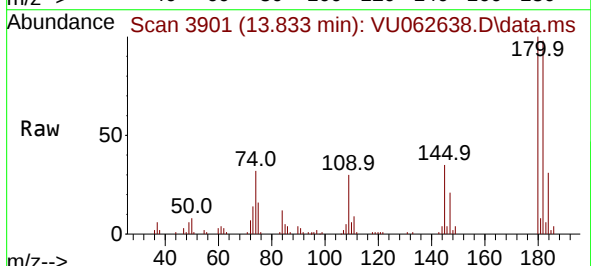
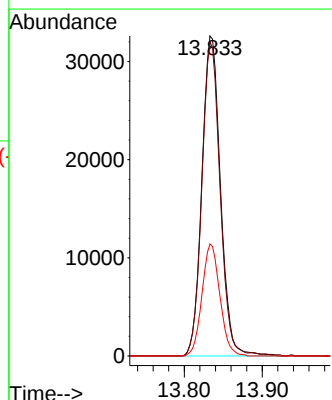
Tgt Ion:180 Resp: 53973

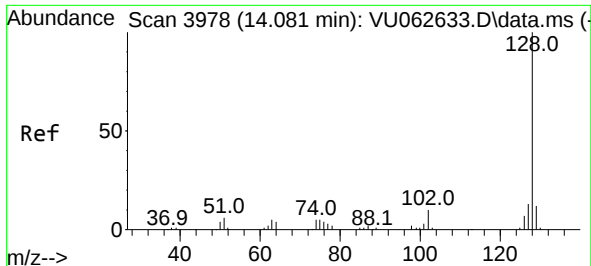
Ion Ratio Lower Upper

180 100

182 95.5 74.5 111.7

145 33.7 25.6 38.4

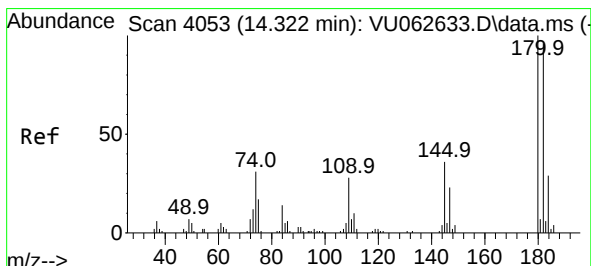
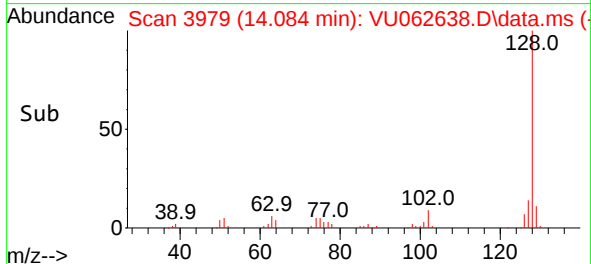
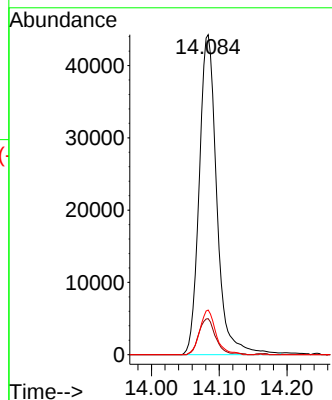
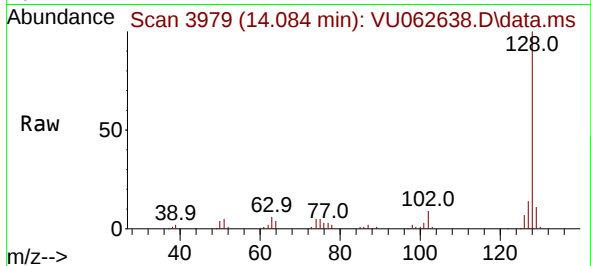




#71
Naphthalene
Concen: 5.410 ug/L
RT: 14.084 min Scan# 3978
Delta R.T. 0.003 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 79867
Ion Ratio Lower Upper
128 100
129 10.6 8.5 12.7
127 12.8 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.400 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU062638.D
Acq: 30 Dec 2024 12:32

Tgt Ion:180 Resp: 46821
Ion Ratio Lower Upper
180 100
182 96.3 76.1 114.1
145 34.7 27.4 41.0

