

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012825\
 Data File : VU063059.D
 Acq On : 28 Jan 2025 10:34
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 08:32:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 28 14:07:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	110178	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	102832	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	59814	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	15210	3.840	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.800%
7) Chloroethane-d5	1.904	69	14724	4.896	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.557	65	11240	4.745	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.000%
20) 2-Butanone-d5	4.608	46	49059	42.678	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.360%
24) Chloroform-d	5.049	84	72976	4.638	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.689	65	40906	4.555	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
32) Benzene-d6	5.714	84	106813	4.546	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.679	67	27123	4.533	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.888	98	111109	4.782	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
43) trans-1,3-Dichloroprop...	8.171	79	16518	4.459	ug/L	0.00
46) 2-Hexanone-d5	8.621	63	49027	53.047	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.100%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	27776	4.889	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	52976	4.948	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	41877	4.243	ug/L	100
3) Chloromethane	1.518	50	17806	3.751	ug/L	97
5) Vinyl chloride	1.599	62	20874	3.938	ug/L	83
6) Bromomethane	1.846	94	9319	3.675	ug/L	95
8) Chloroethane	1.924	64	14136	5.282	ug/L	95
9) Trichlorofluoromethane	2.129	101	62306	4.650	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	31408	4.763	ug/L #	88
12) 1,1-Dichloroethene	2.570	96	28713	5.016	ug/L	90
13) Acetone	2.615	43	35545	47.821	ug/L	96
14) Carbon disulfide	2.782	76	72824	4.967	ug/L	100
15) Methyl Acetate	2.940	43	7622	5.340	ug/L	97
16) Methylene chloride	3.033	84	28520	4.727	ug/L	92
17) Methyl tert-butyl Ether	3.348	73	86685	5.056	ug/L	97
18) trans-1,2-Dichloroethene	3.341	96	30398	4.963	ug/L	95
19) 1,1-Dichloroethane	3.853	63	50439	4.751	ug/L	95
21) 2-Butanone	4.685	43	42372	41.797	ug/L	92
22) cis-1,2-Dichloroethene	4.653	96	35225	4.812	ug/L	93
23) Bromochloromethane	4.962	128	18705	5.092	ug/L #	81
25) Chloroform	5.074	83	71738	4.677	ug/L	99
27) 1,2-Dichloroethane	5.782	62	47862	4.451	ug/L	98

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 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 08:32:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 28 14:07:15 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

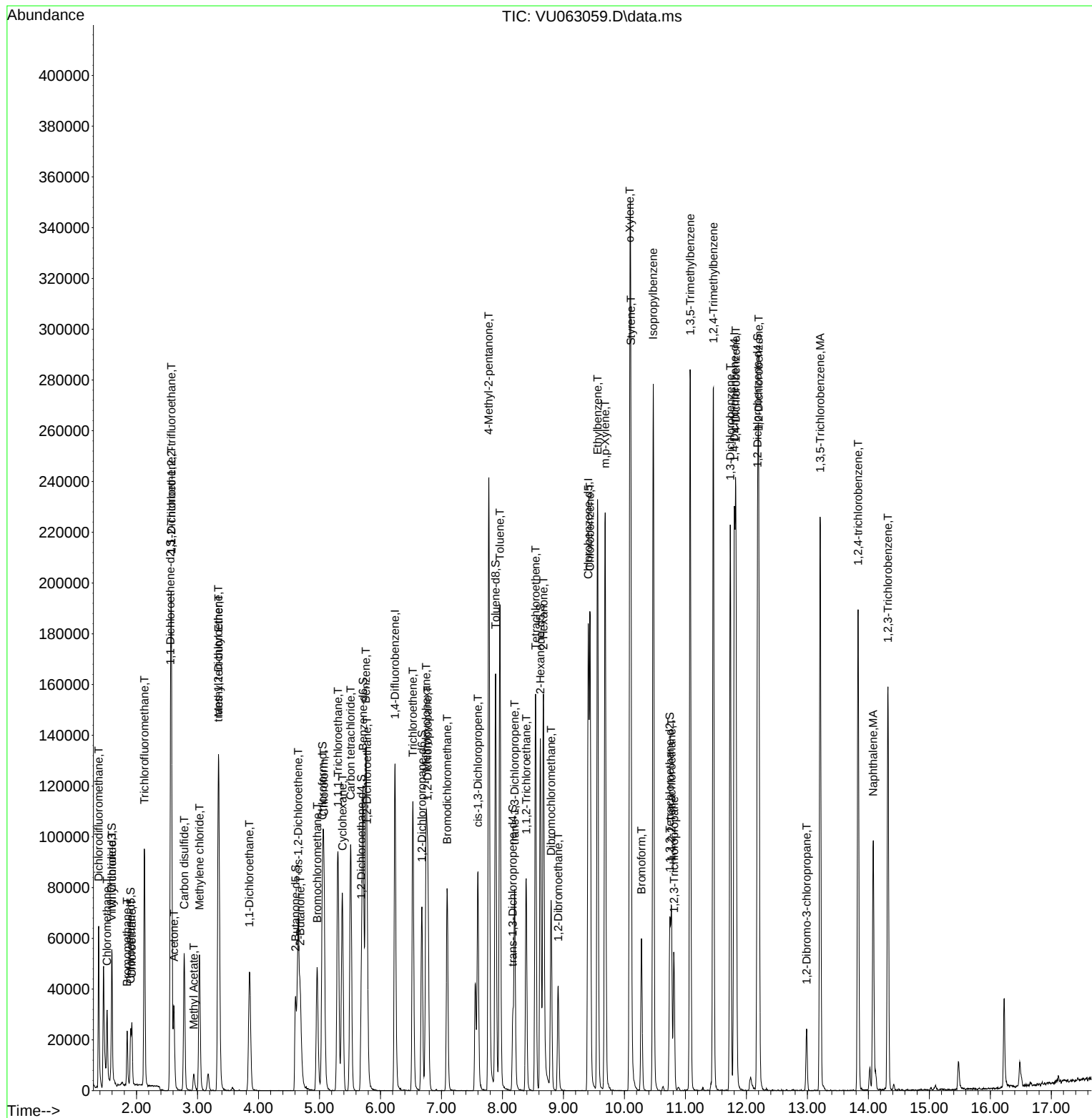
29) 1,1,1-Trichloroethane	5.303	97	75260	4.720	ug/L	98
30) Cyclohexane	5.377	56	33069	4.452	ug/L #	75
31) Carbon tetrachloride	5.512	117	71151	4.635	ug/L	100
33) Benzene	5.763	78	116991	4.696	ug/L	100
34) Trichloroethene	6.531	95	38688	4.570	ug/L	91
35) Methylcyclohexane	6.750	83	46071	4.319	ug/L	92
37) 1,2-Dichloropropane	6.775	63	24944	4.452	ug/L #	93
38) Bromodichloromethane	7.094	83	52375	4.665	ug/L	96
39) cis-1,3-Dichloropropene	7.598	75	49471	4.689	ug/L	98
40) 4-Methyl-2-pentanone	7.775	43	126499	46.798	ug/L #	94
42) Toluene	7.959	91	142851	4.824	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	46225	4.757	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	25852	4.902	ug/L	93
47) Tetrachloroethene	8.544	164	36480	4.955	ug/L	94
48) 2-Hexanone	8.672	43	85509	45.608	ug/L #	96
49) Dibromochloromethane	8.798	129	41136	4.999	ug/L	98
50) 1,2-Dibromoethane	8.914	107	26292	4.936	ug/L	95
51) Chlorobenzene	9.438	112	101370	4.937	ug/L	94
52) Ethylbenzene	9.560	91	170167	4.931	ug/L	97
53) m,p-Xylene	9.685	106	65164	4.890	ug/L	99
54) o-Xylene	10.090	106	62766	5.141	ug/L	100
55) Styrene	10.106	104	106484	5.159	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	27496	4.660	ug/L #	90
59) Bromoform	10.280	173	28414	4.999	ug/L	97
60) Isopropylbenzene	10.473	105	186496	4.920	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	21763	4.521	ug/L	95
62) 1,3,5-Trimethylbenzene	11.081	105	163336	4.915	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	160814	5.117	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	96922	5.037	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	94612	4.901	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	87565	4.837	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	6892	5.414	ug/L #	73
69) 1,3,5-Trichlorobenzene	13.209	180	75186	4.891	ug/L	96
70) 1,2,4-trichlorobenzene	13.833	180	62635	5.206	ug/L	98
71) Naphthalene	14.081	128	85712	5.552	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	53057	5.104	ug/L	95

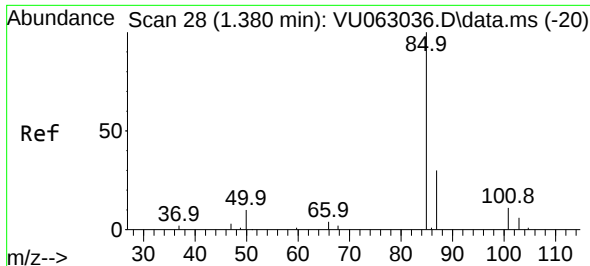
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Data File : VU063059.D
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
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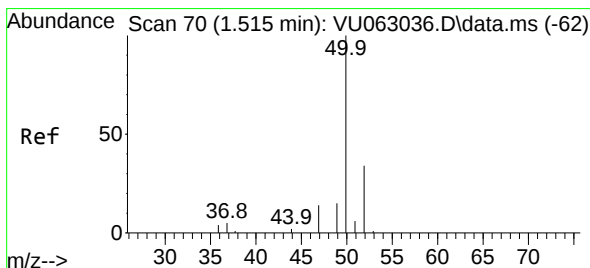
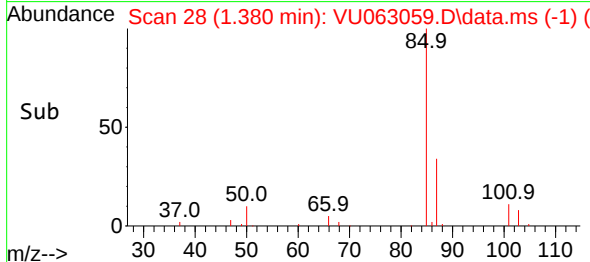
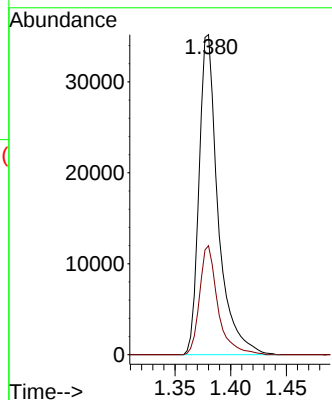
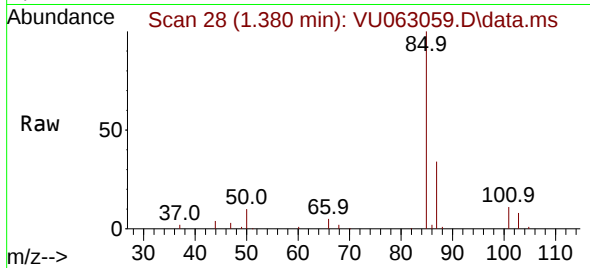




#2
Dichlorodifluoromethane
Concen: 4.243 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

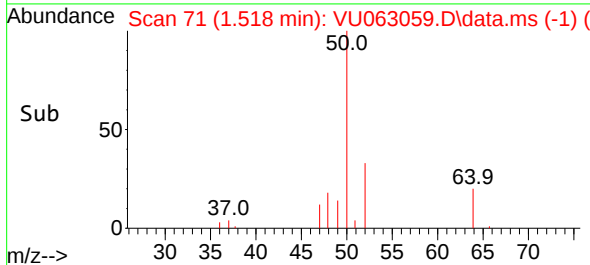
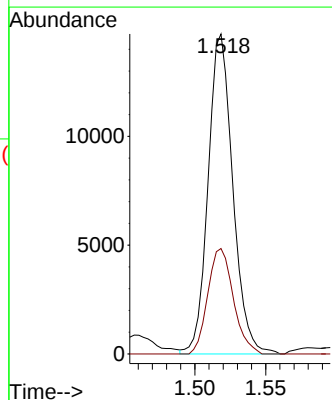
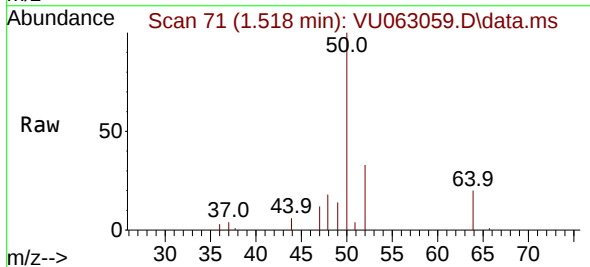
Instrument :
MSVOA_U
ClientSampleId :

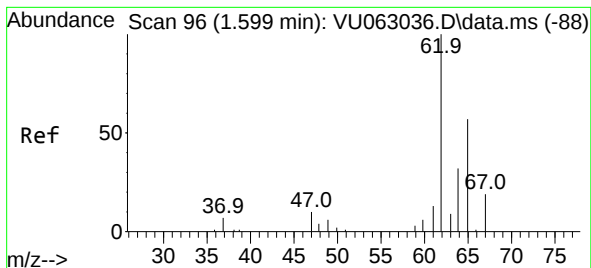
Tgt Ion: 85 Resp: 41877
Ion Ratio Lower Upper
85 100
87 32.7 26.1 39.1



#3
Chloromethane
Concen: 3.751 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion: 50 Resp: 17806
Ion Ratio Lower Upper
50 100
52 33.0 24.1 44.7





#5

Vinyl chloride

Concen: 3.938 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

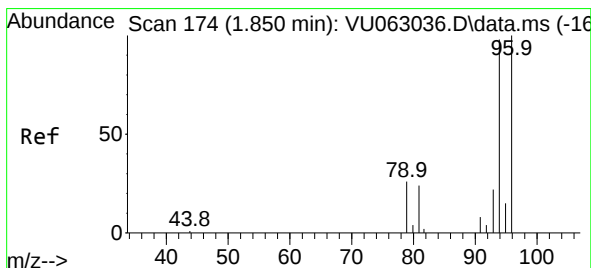
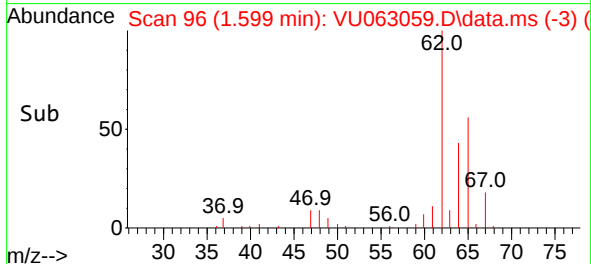
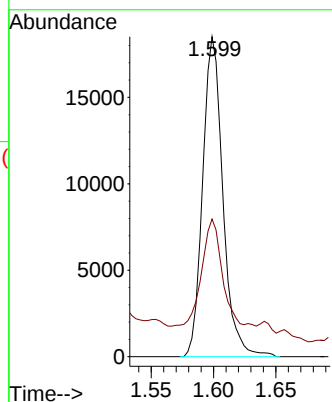
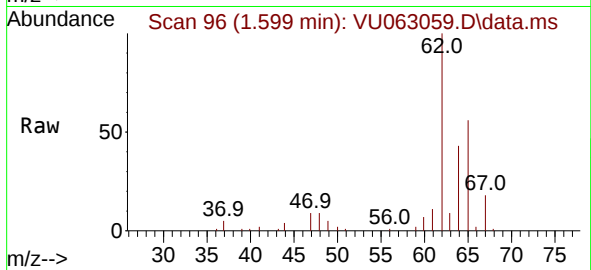
ClientSampleId :

Tgt Ion: 62 Resp: 20874

Ion Ratio Lower Upper

62 100

64 43.0 23.4 43.4



#6

Bromomethane

Concen: 3.675 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.003 min

Lab File: VU063059.D

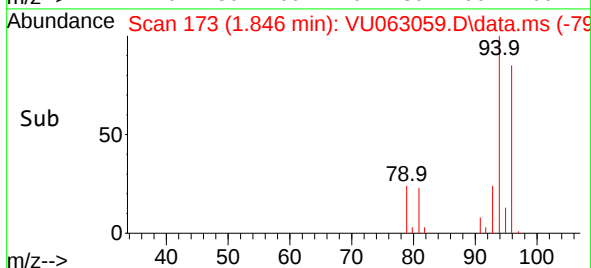
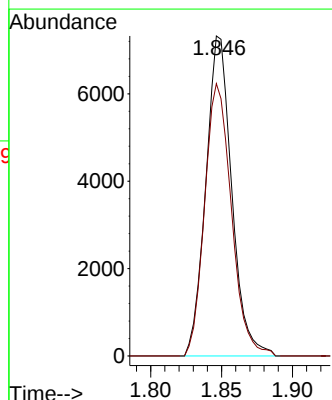
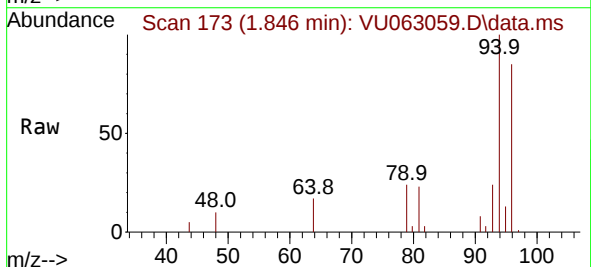
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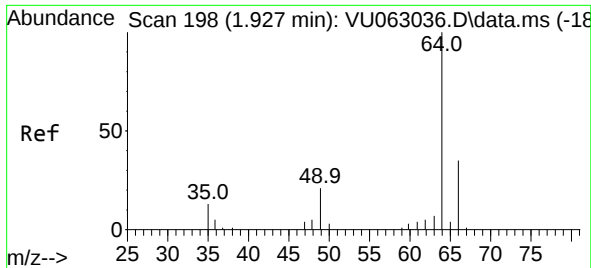
Tgt Ion: 94 Resp: 9319

Ion Ratio Lower Upper

94 100

96 85.1 62.9 116.7

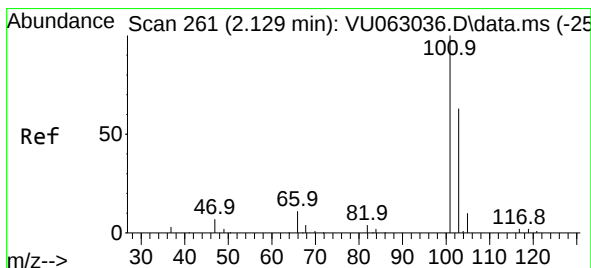
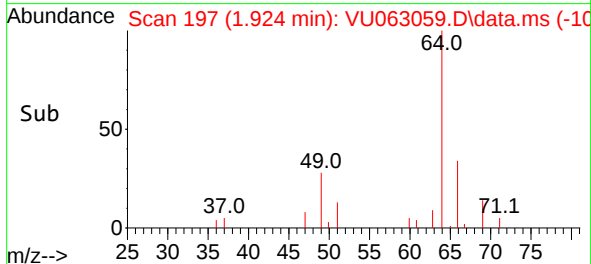
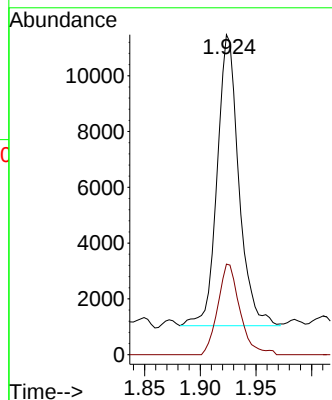
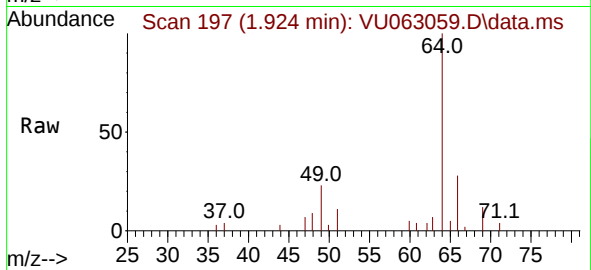




#8
Chloroethane
Concen: 5.282 ug/L
RT: 1.924 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

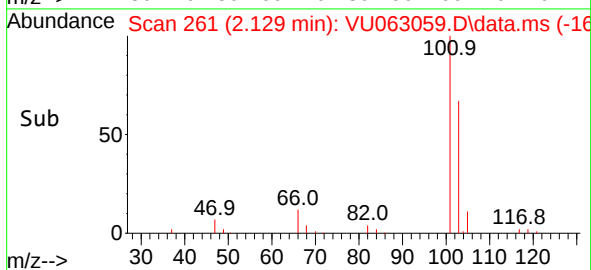
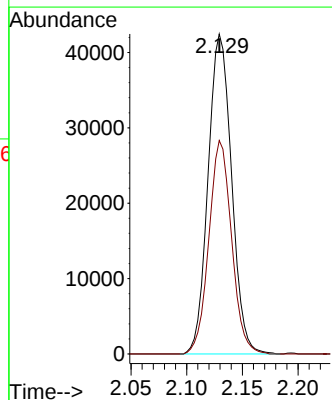
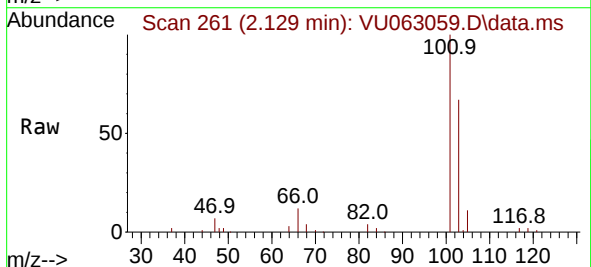
Instrument :
MSVOA_U
ClientSampleId :

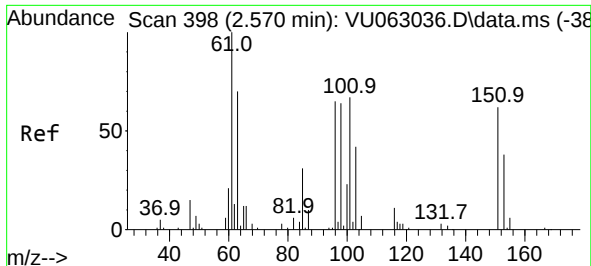
Tgt Ion: 64 Resp: 14136
Ion Ratio Lower Upper
64 100
66 28.3 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.650 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion:101 Resp: 62306
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0

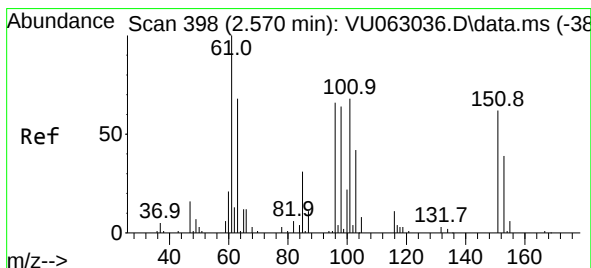
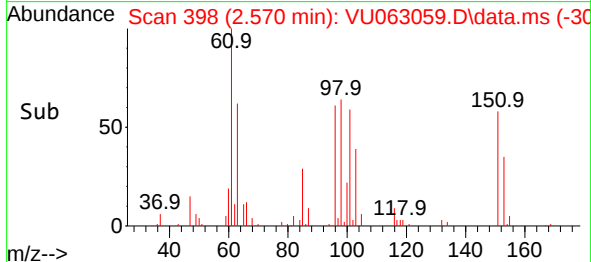
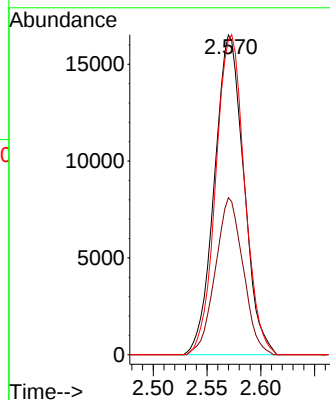
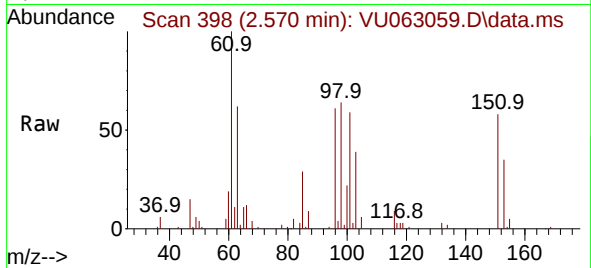




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.763 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

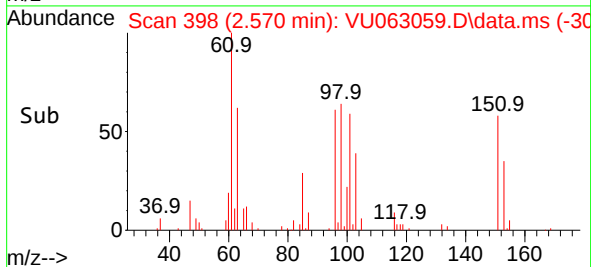
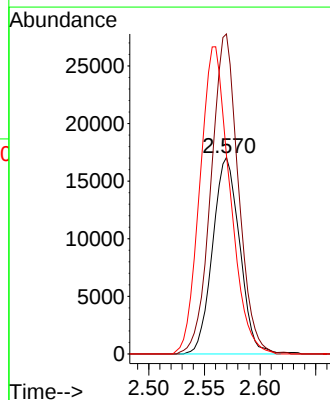
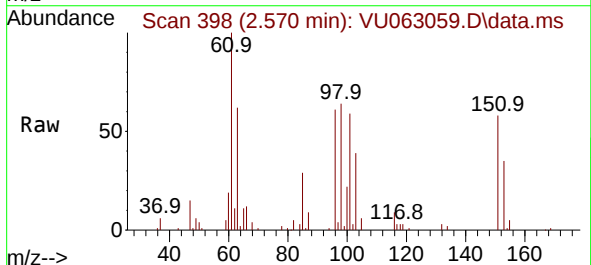
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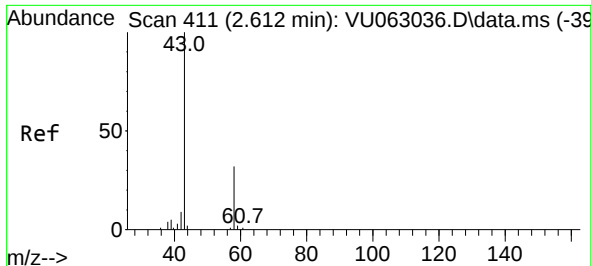
Tgt Ion:101 Resp: 31408
Ion Ratio Lower Upper
101 100
85 46.5 37.0 55.6
151 97.6 64.4 96.6#



#12
1,1-Dichloroethene
Concen: 5.016 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion: 96 Resp: 28713
Ion Ratio Lower Upper
96 100
61 162.8 120.4 223.6
63 101.1 82.3 152.9





#13

Acetone

Concen: 47.821 ug/L

RT: 2.615 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

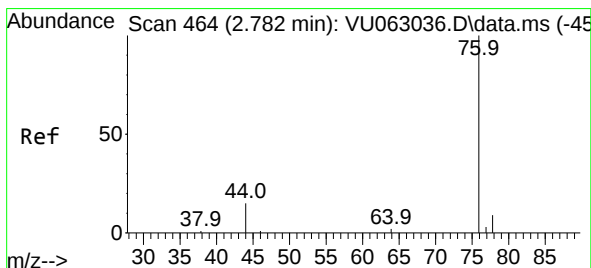
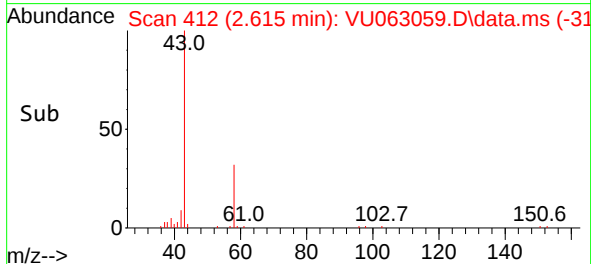
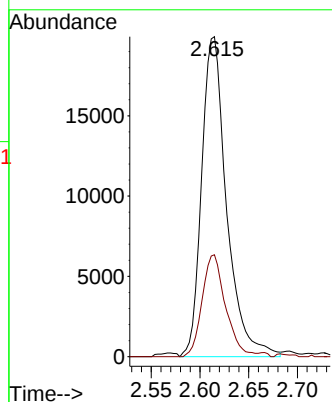
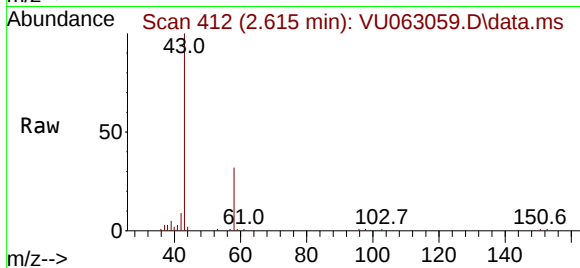
ClientSampleId :

Tgt Ion: 43 Resp: 35545

Ion Ratio Lower Upper

43 100

58 29.7 0.0 64.4



#14

Carbon disulfide

Concen: 4.967 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063059.D

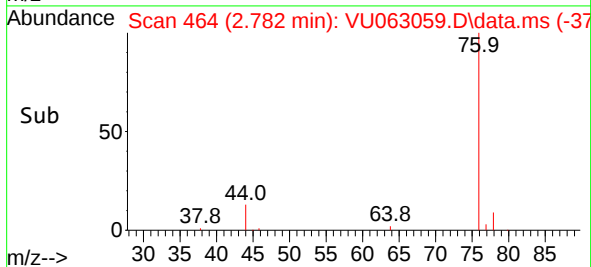
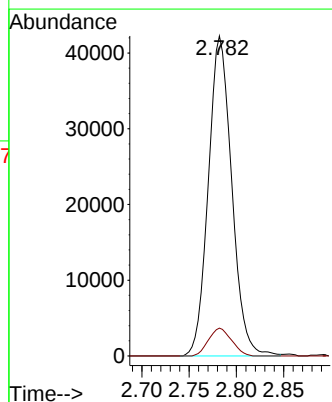
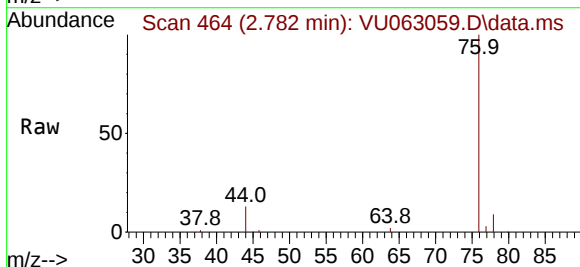
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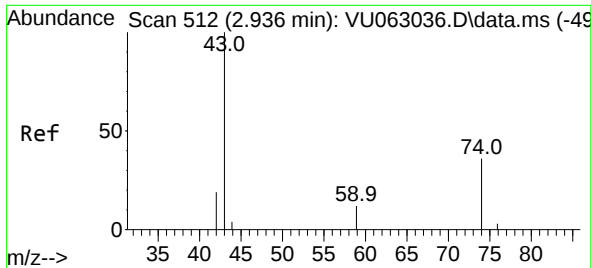
Tgt Ion: 76 Resp: 72824

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6

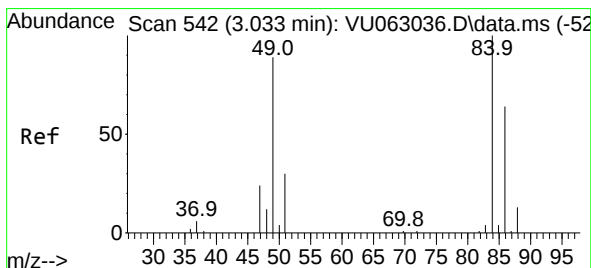
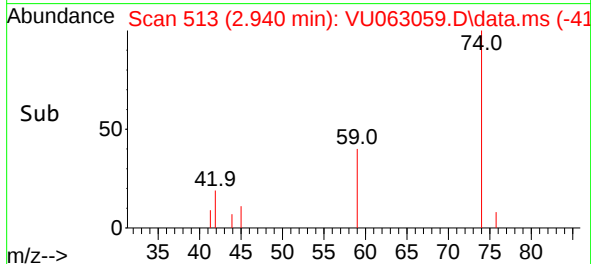
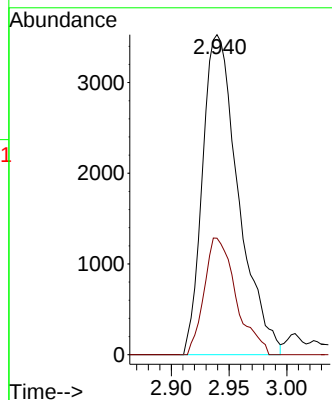
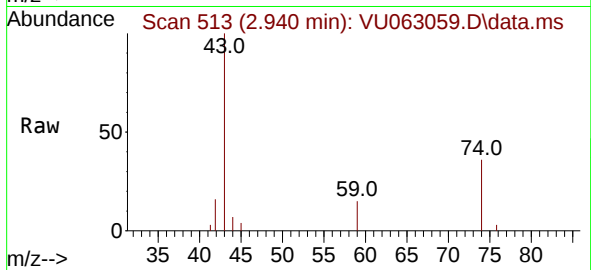




#15
Methyl Acetate
Concen: 5.340 ug/L
RT: 2.940 min Scan# 512
Delta R.T. 0.003 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

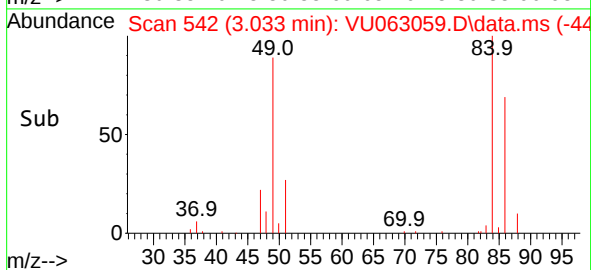
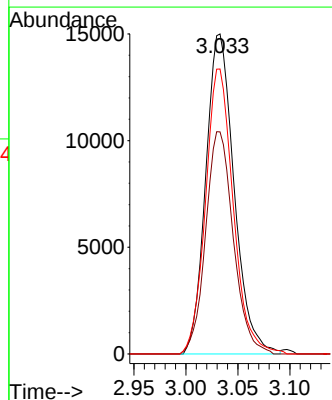
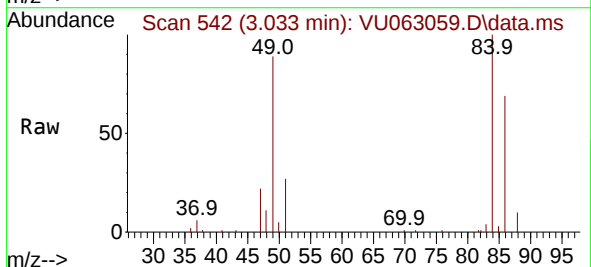
Instrument :
MSVOA_U
ClientSampleId :

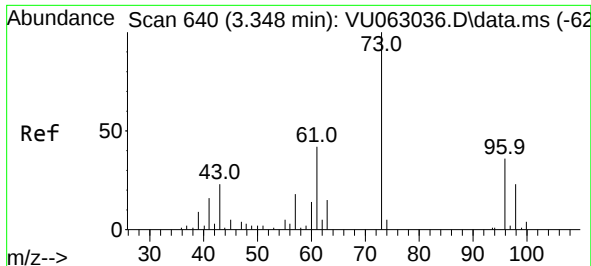
Tgt Ion: 43 Resp: 7622
Ion Ratio Lower Upper
43 100
74 32.4 24.4 36.6



#16
Methylene chloride
Concen: 4.727 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion: 84 Resp: 28520
Ion Ratio Lower Upper
84 100
86 69.4 44.7 83.1
49 89.1 68.3 126.9

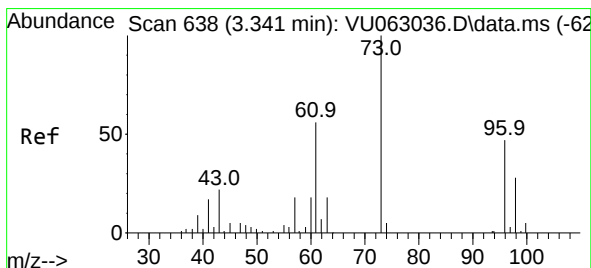
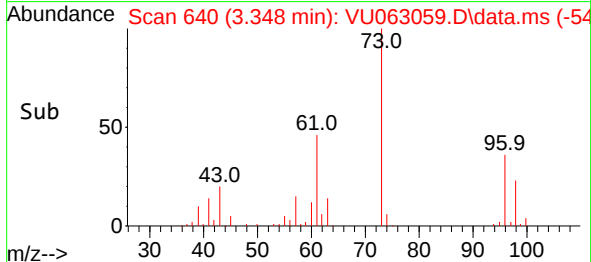
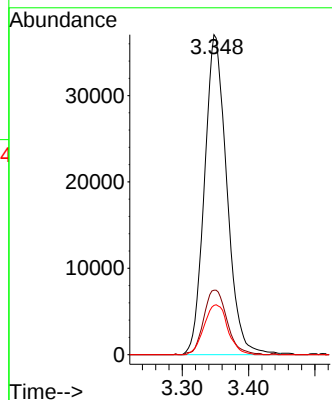
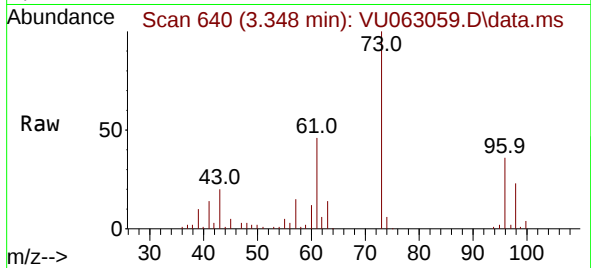




#17
Methyl tert-butyl Ether
Concen: 5.056 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

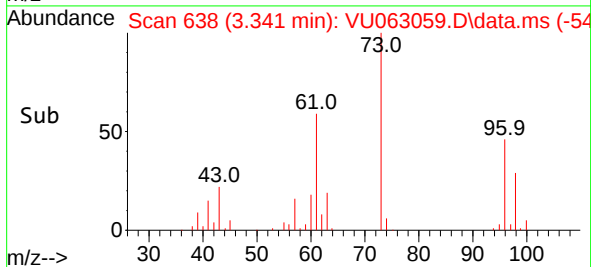
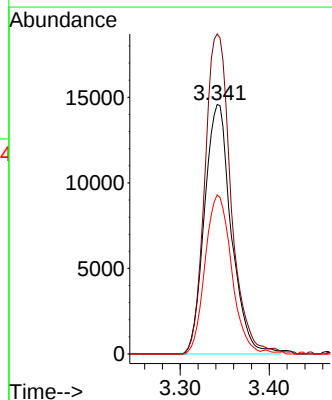
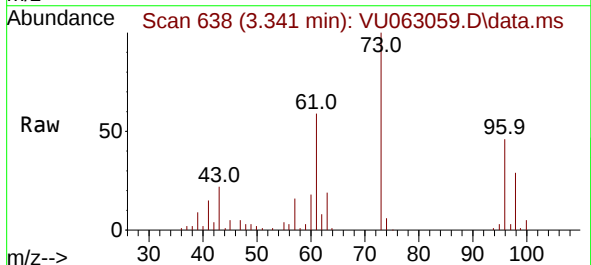
Instrument :
MSVOA_U
ClientSampleId :

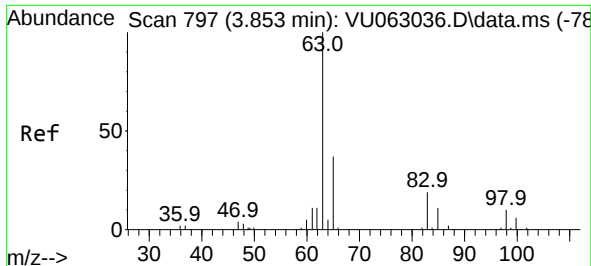
Tgt Ion: 73	Resp: 86685
Ion Ratio	Lower Upper
73 100	
43 21.1	16.2 24.4
57 16.6	14.6 22.0



#18
trans-1,2-Dichloroethene
Concen: 4.963 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion: 96	Resp: 30398
Ion Ratio	Lower Upper
96 100	
61 128.3	94.4 175.2
98 63.7	42.8 79.4

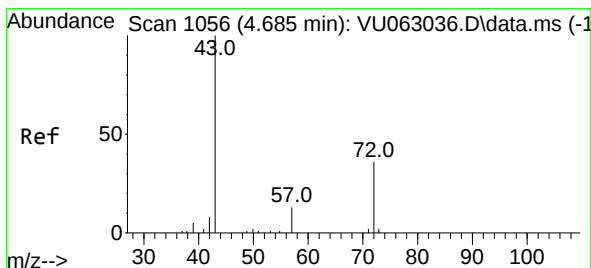
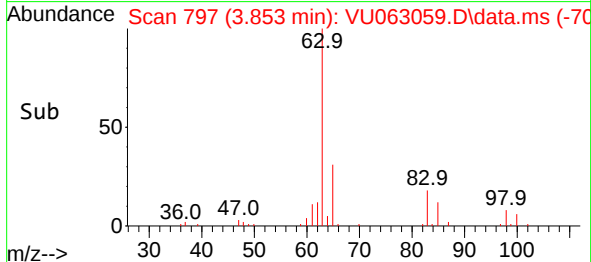
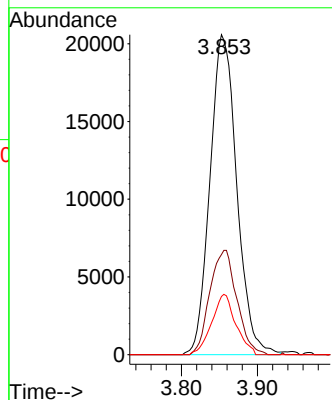
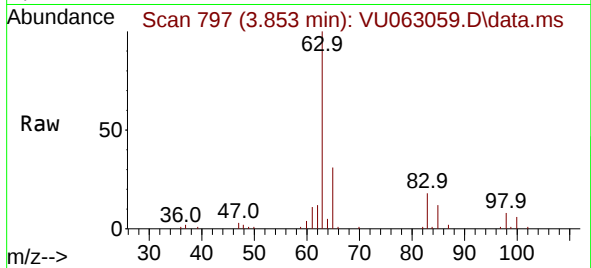




#19
1,1-Dichloroethane
Concen: 4.751 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

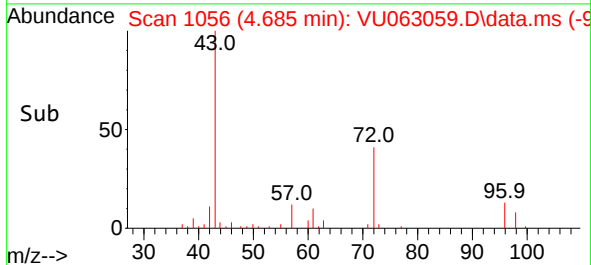
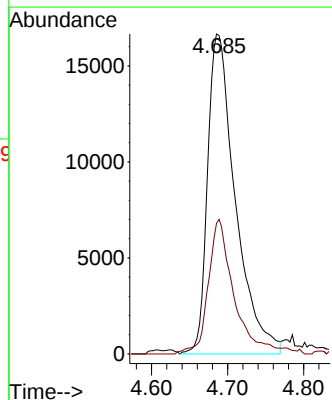
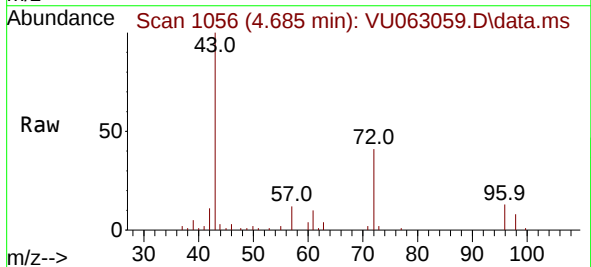
Instrument :
MSVOA_U
ClientSampleId :

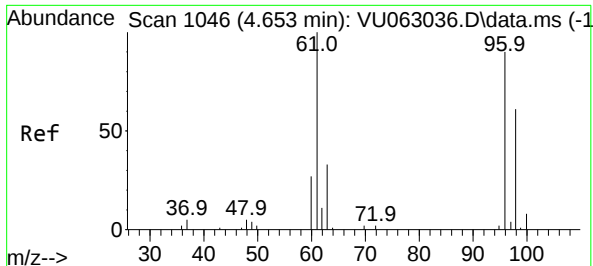
Tgt Ion: 63 Resp: 50439
Ion Ratio Lower Upper
63 100
65 31.3 20.7 38.5
83 18.2 10.5 19.5



#21
2-Butanone
Concen: 41.797 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.003 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

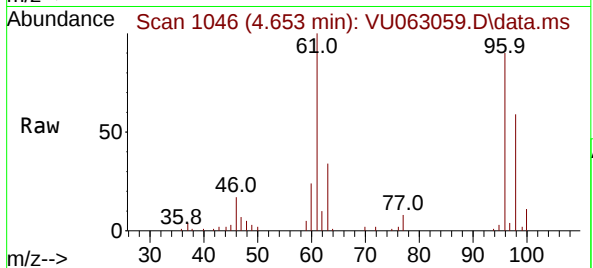
Tgt Ion: 43 Resp: 42372
Ion Ratio Lower Upper
43 100
72 38.4 17.1 51.2





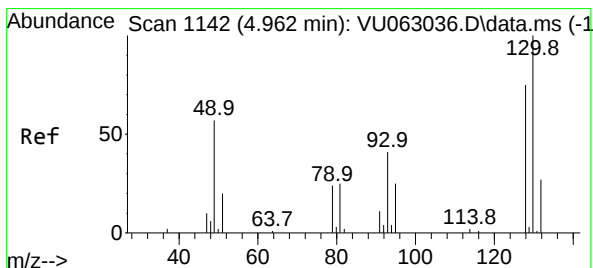
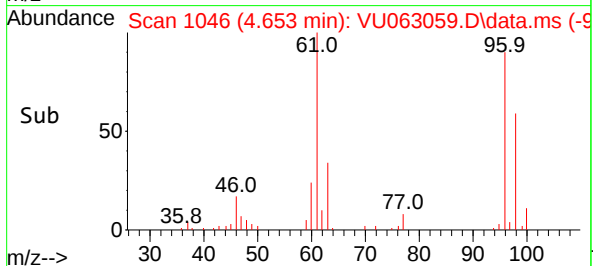
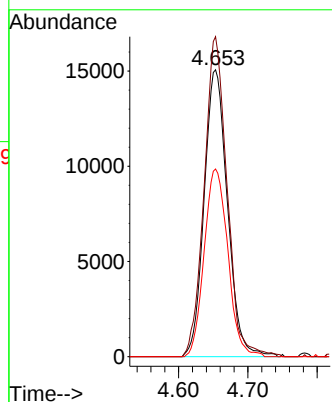
#22
 cis-1,2-Dichloroethene
 Concen: 4.812 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. 0.000 min
 Lab File: VU063059.D
 Acq: 28 Jan 2025 10:34

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 35225

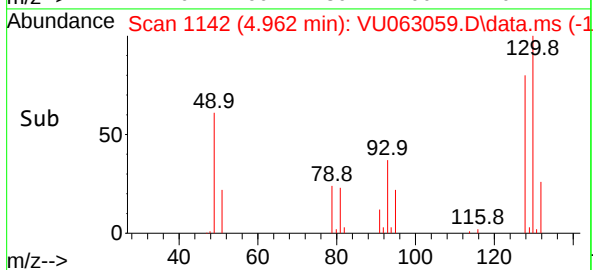
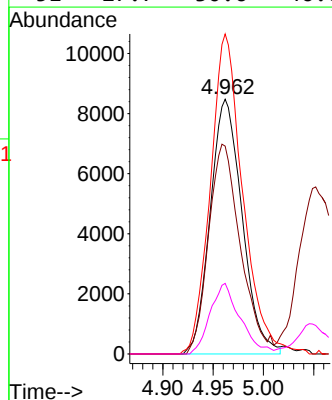
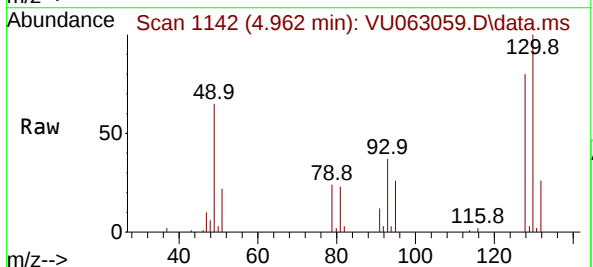
Ion	Ratio	Lower	Upper
96	100		
61	111.5	84.8	157.6
98	65.4	43.1	80.1

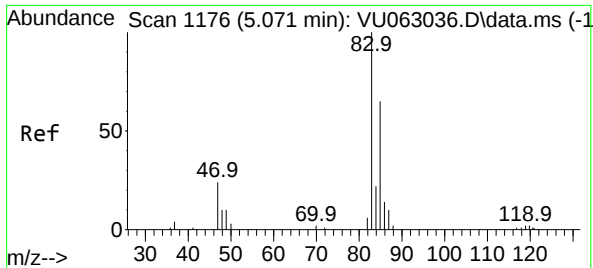


#23
 Bromochloromethane
 Concen: 5.092 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VU063059.D
 Acq: 28 Jan 2025 10:34

Tgt Ion: 128 Resp: 18705

Ion	Ratio	Lower	Upper
128	100		
49	81.6	81.1	150.7
130	125.6	94.9	176.3
51	27.7	30.6	46.0

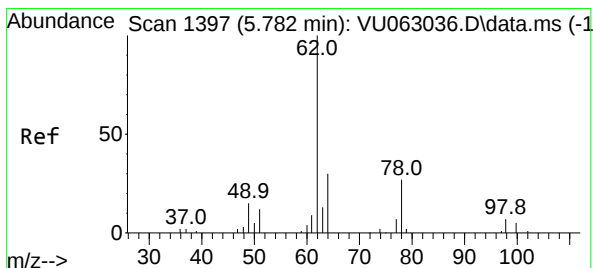
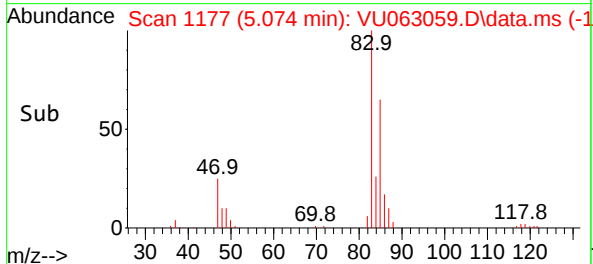
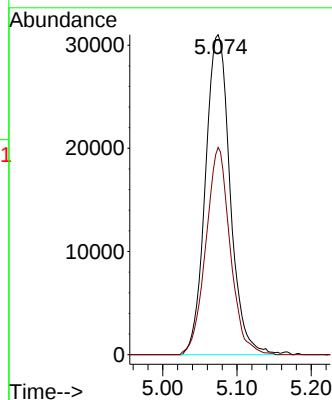
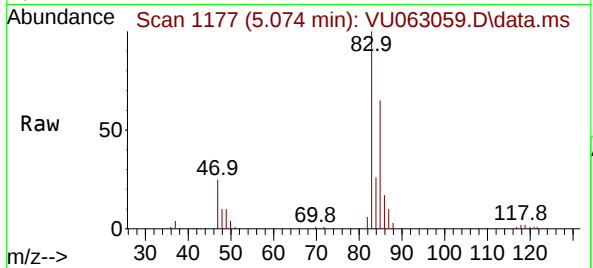




#25
Chloroform
Concen: 4.677 ug/L
RT: 5.074 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

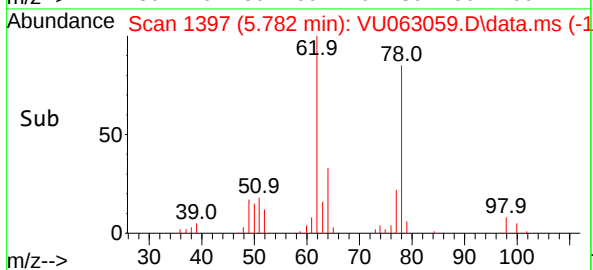
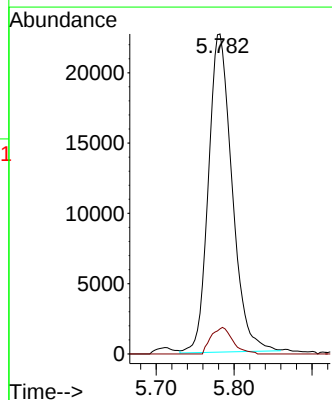
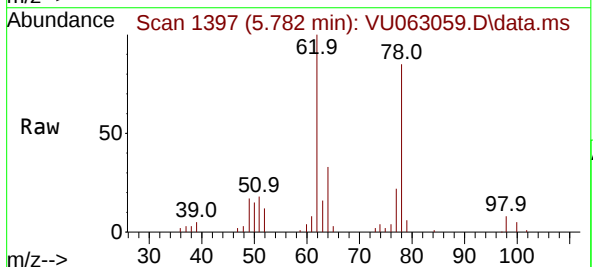
Instrument :
MSVOA_U
ClientSampleId :

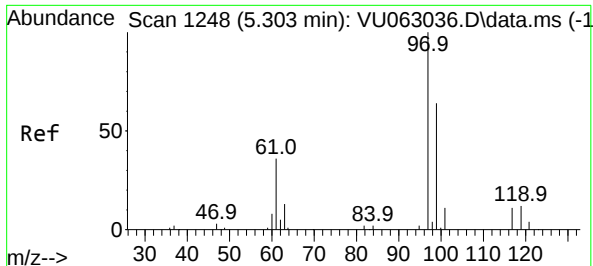
Tgt Ion: 83 Resp: 71738
Ion Ratio Lower Upper
83 100
85 64.7 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.451 ug/L
RT: 5.782 min Scan# 1397
Delta R.T. 0.003 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion: 62 Resp: 47862
Ion Ratio Lower Upper
62 100
98 7.8 5.8 8.6





#29

1,1,1-Trichloroethane

Concen: 4.720 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

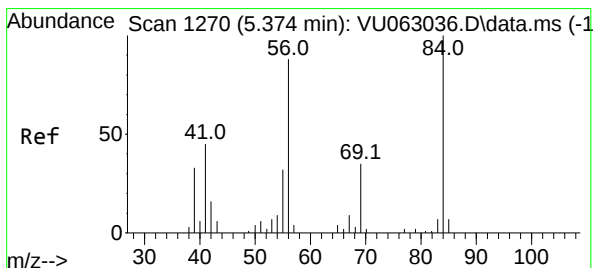
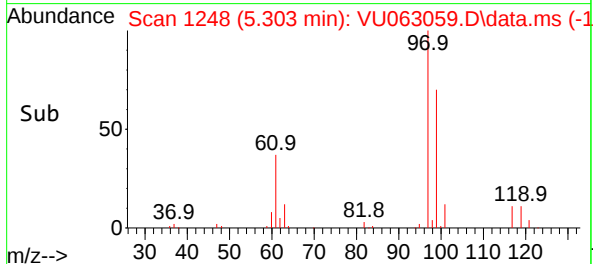
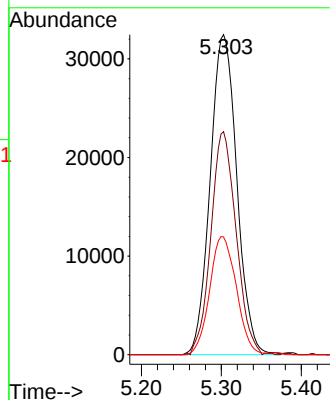
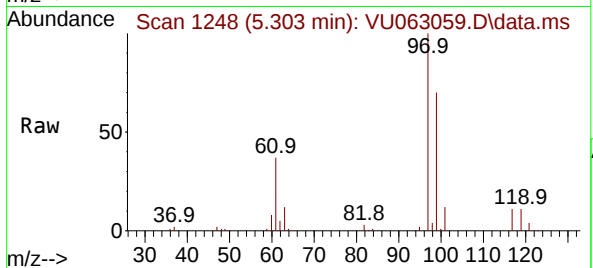
Tgt Ion: 97 Resp: 75260

Ion Ratio Lower Upper

97 100

99 65.9 52.4 78.6

61 36.8 32.2 48.4



#30

Cyclohexane

Concen: 4.452 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

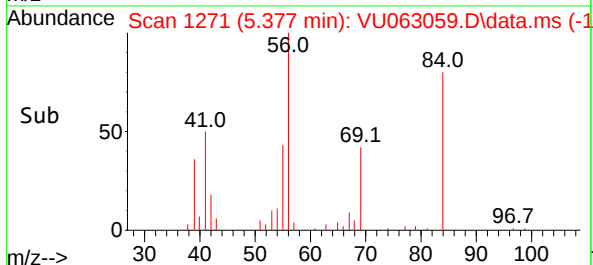
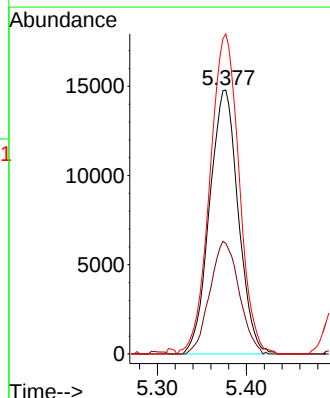
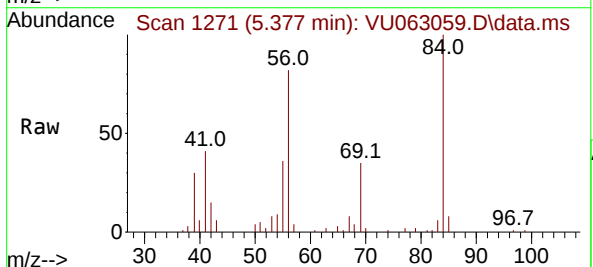
Tgt Ion: 56 Resp: 33069

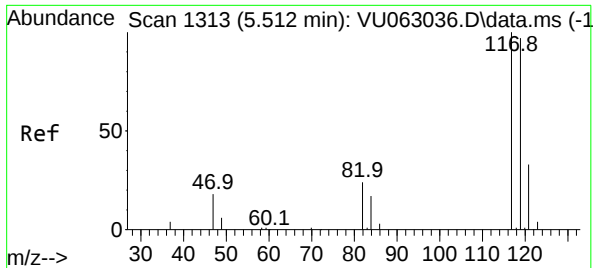
Ion Ratio Lower Upper

56 100

69 43.5 28.3 42.5#

84 123.6 76.5 114.7#

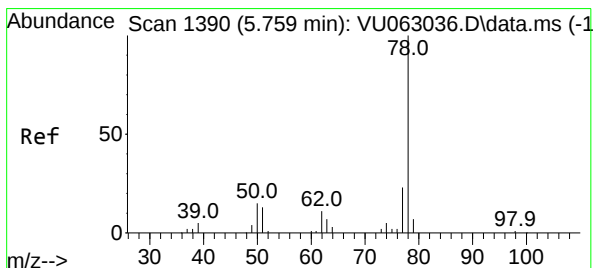
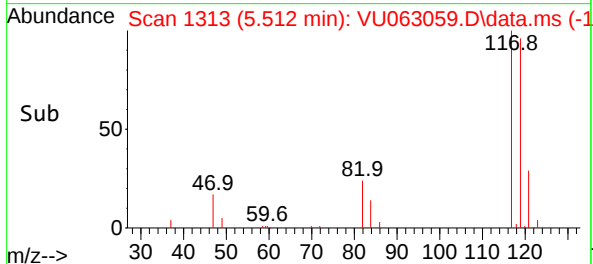
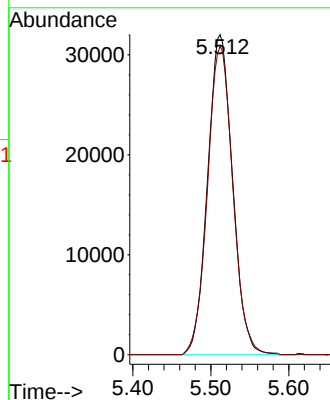
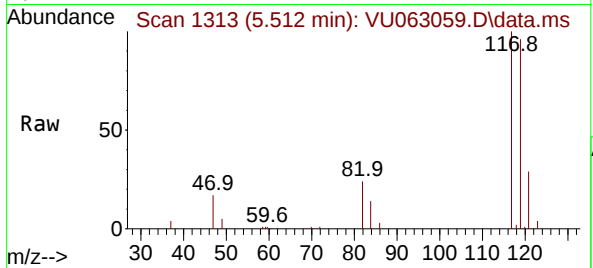




#31
Carbon tetrachloride
Concen: 4.635 ug/L
RT: 5.512 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

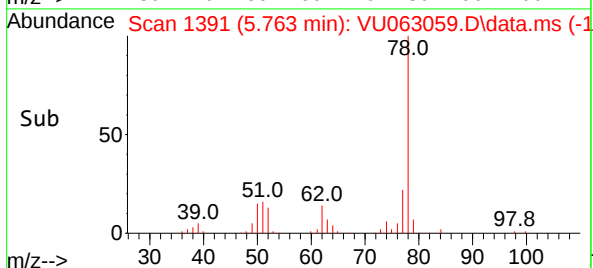
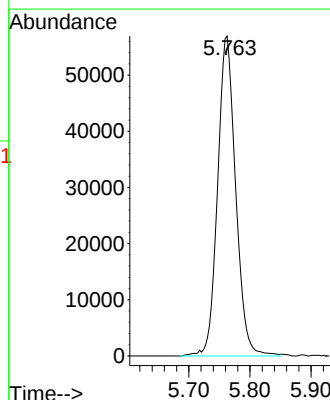
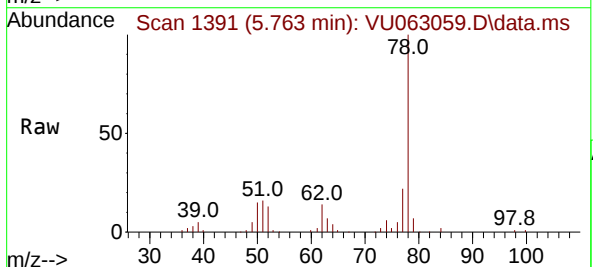
Instrument :
MSVOA_U
ClientSampleId :

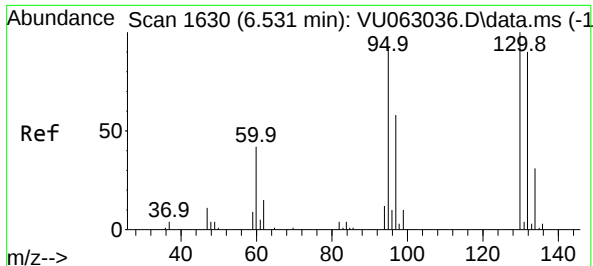
Tgt Ion:117 Resp: 71151
Ion Ratio Lower Upper
117 100
119 97.9 78.6 118.0



#33
Benzene
Concen: 4.696 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion: 78 Resp: 116991





#34

Trichloroethene

Concen: 4.570 ug/L

RT: 6.531 min Scan# 1

Delta R.T. 0.000 min

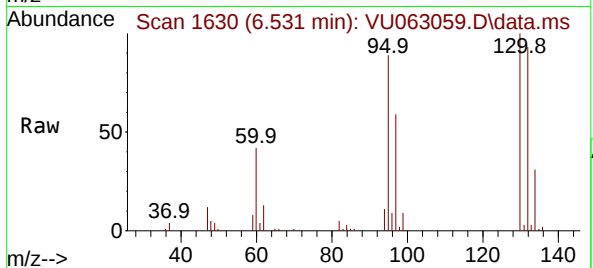
Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 38688

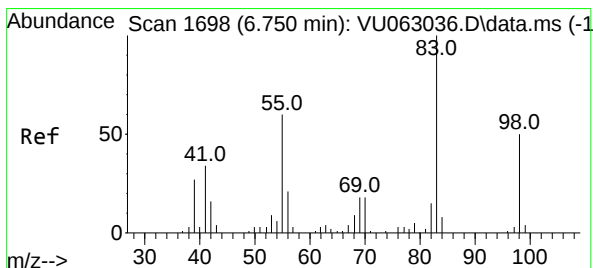
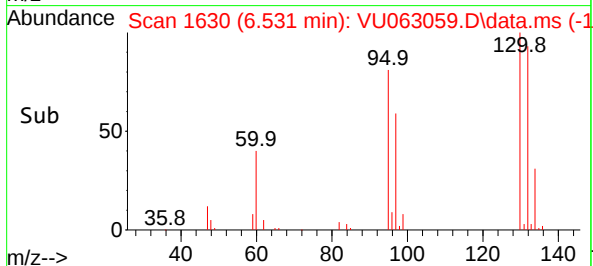
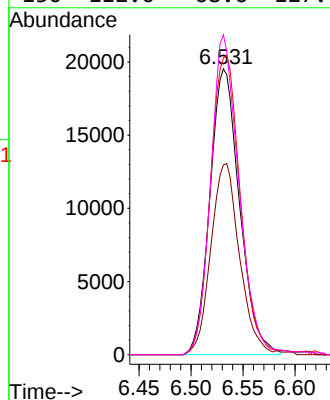
Ion Ratio Lower Upper

95 100

97 66.5 47.5 88.3

132 103.9 66.9 124.3

130 112.0 68.6 127.4



#35

Methylcyclohexane

Concen: 4.319 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

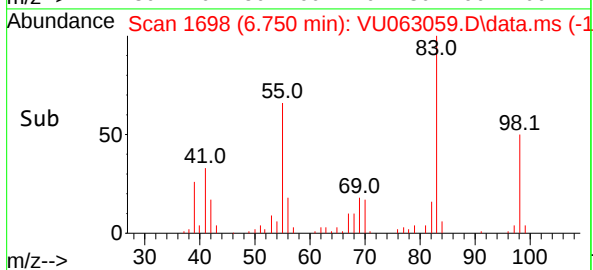
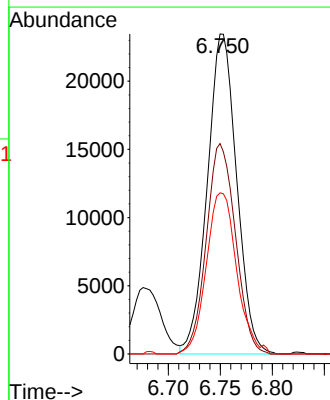
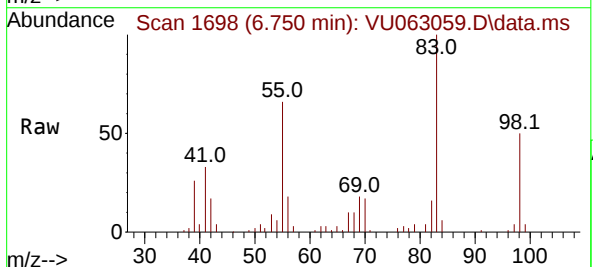
Tgt Ion: 83 Resp: 46071

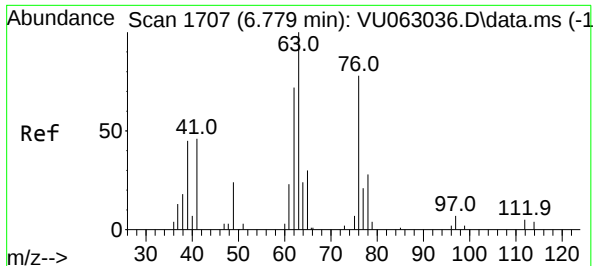
Ion Ratio Lower Upper

83 100

55 65.2 57.2 85.8

98 52.1 36.6 55.0





#37

1,2-Dichloropropane

Concen: 4.452 ug/L

RT: 6.775 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

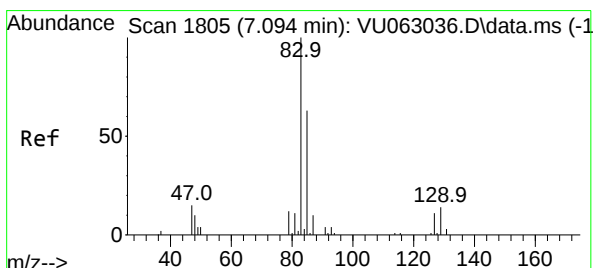
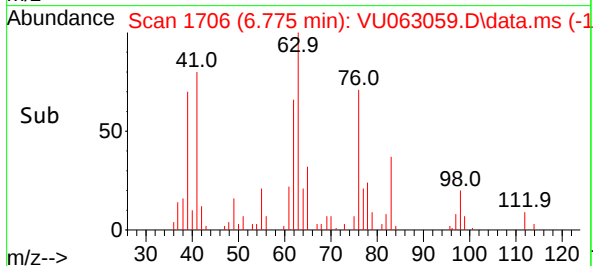
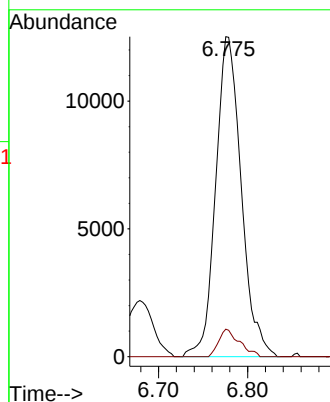
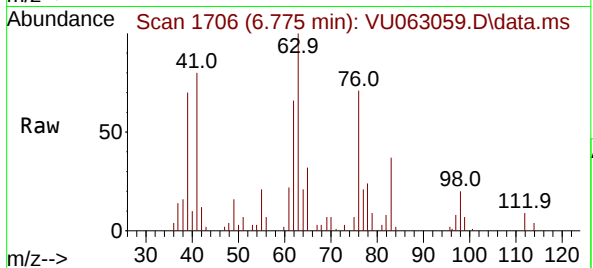
ClientSampleId :

Tgt Ion: 63 Resp: 24944

Ion Ratio Lower Upper

63 100

112 7.0 3.8 5.8#



#38

Bromodichloromethane

Concen: 4.665 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

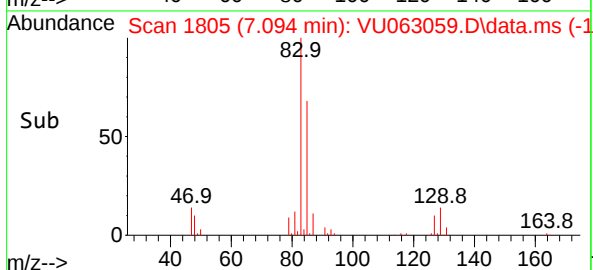
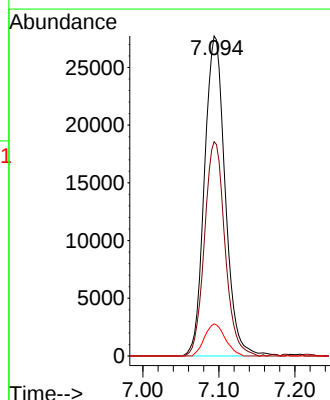
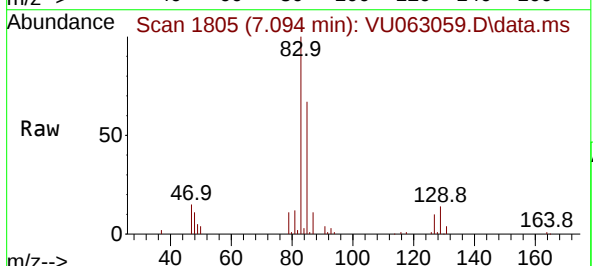
Tgt Ion: 83 Resp: 52375

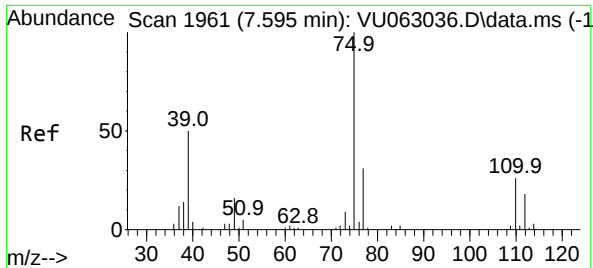
Ion Ratio Lower Upper

83 100

85 67.0 44.2 82.0

127 10.0 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 4.689 ug/L

RT: 7.598 min Scan# 1961

Delta R.T. 0.003 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

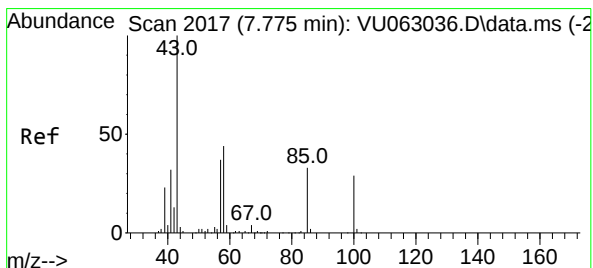
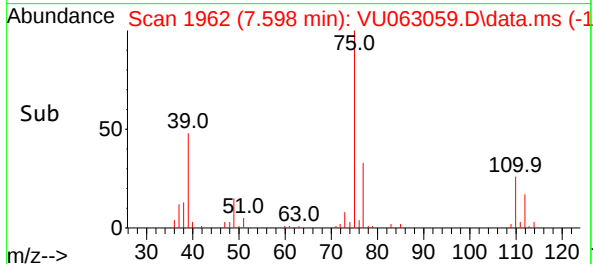
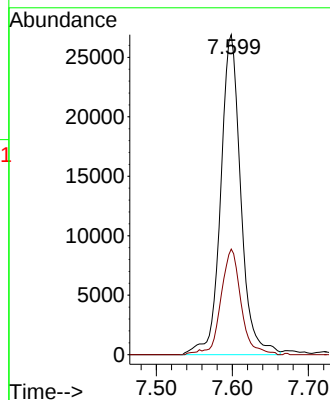
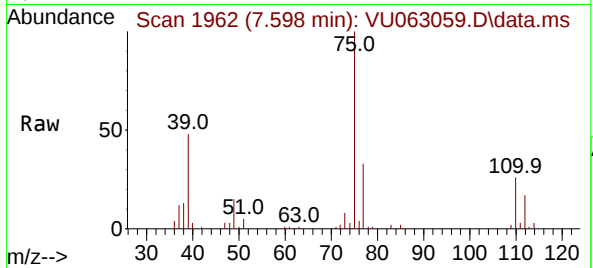
ClientSampleId :

Tgt Ion: 75 Resp: 49471

Ion Ratio Lower Upper

75 100

77 33.0 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 46.798 ug/L

RT: 7.775 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

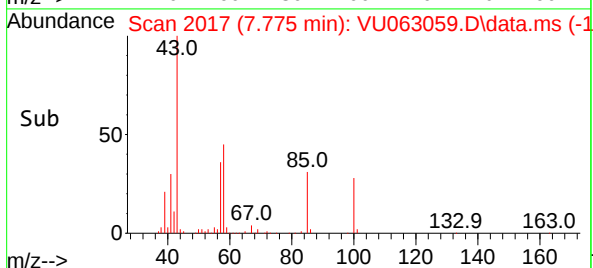
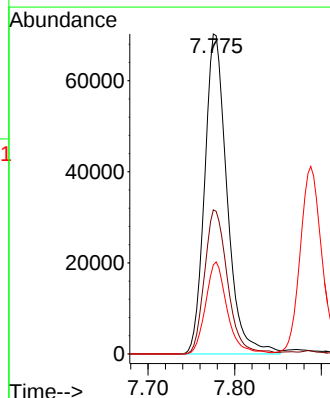
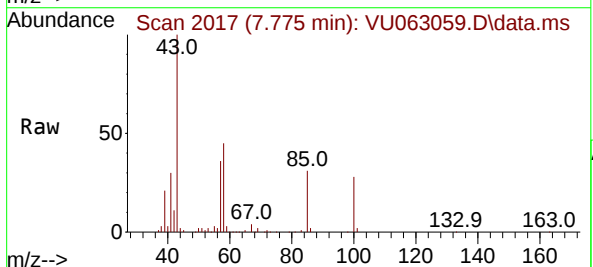
Tgt Ion: 43 Resp: 126499

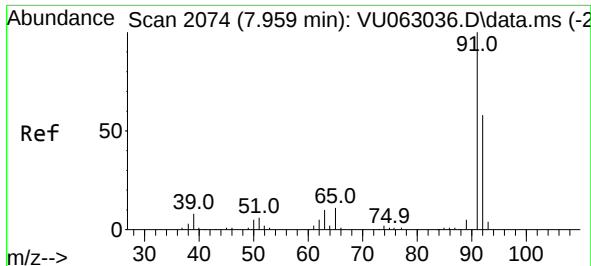
Ion Ratio Lower Upper

43 100

58 46.1 35.8 53.8

100 27.6 16.8 25.2#





#42

Toluene

Concen: 4.824 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

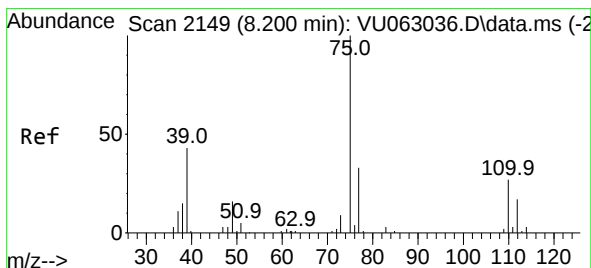
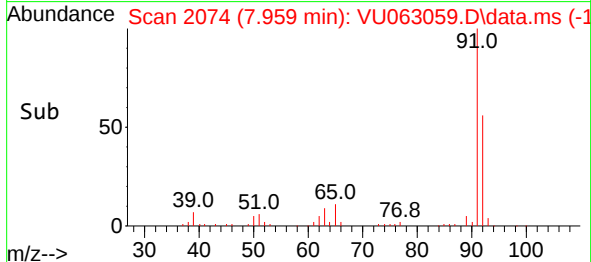
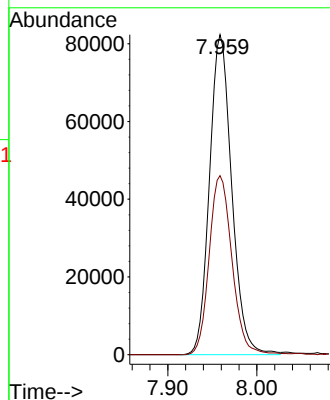
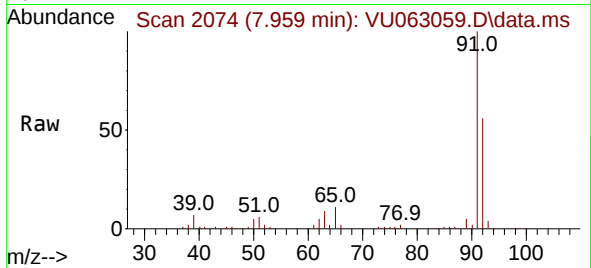
ClientSampleId :

Tgt Ion: 91 Resp: 142851

Ion Ratio Lower Upper

91 100

92 56.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.757 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063059.D

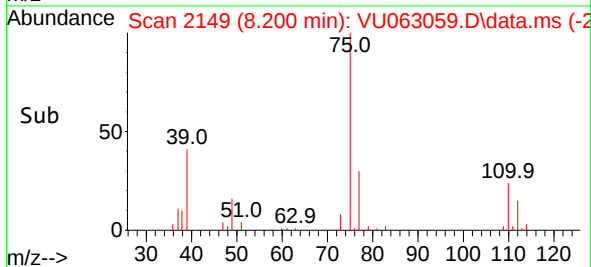
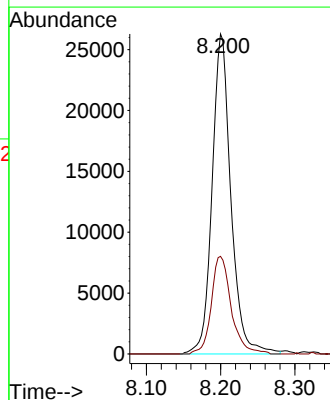
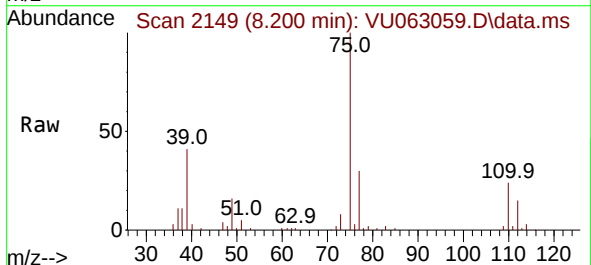
Acq: 28 Jan 2025 10:34

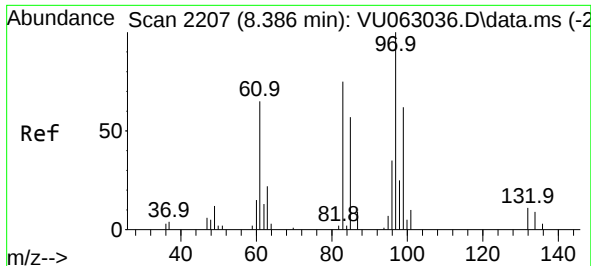
Tgt Ion: 75 Resp: 46225

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.6

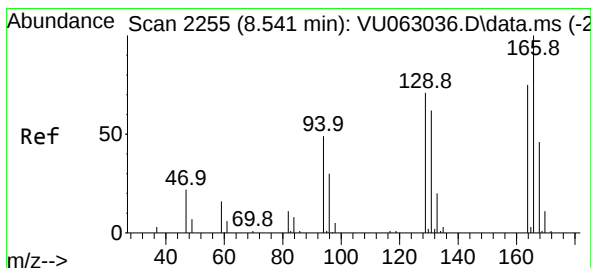
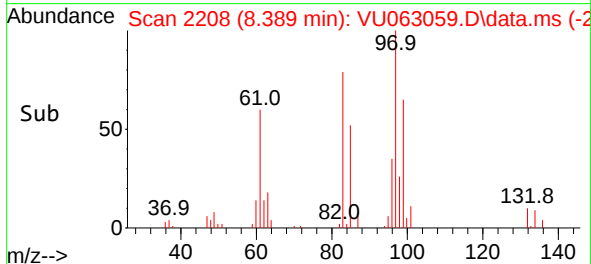
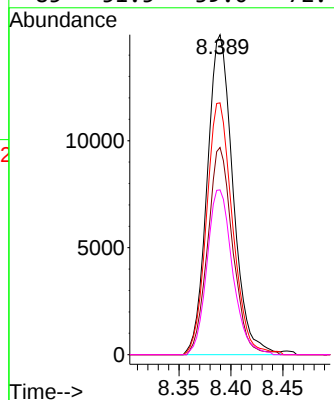
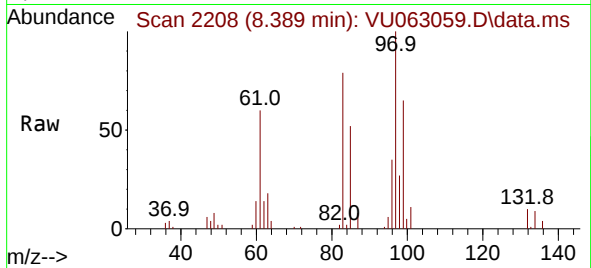




#45
1,1,2-Trichloroethane
Concen: 4.902 ug/L
RT: 8.389 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

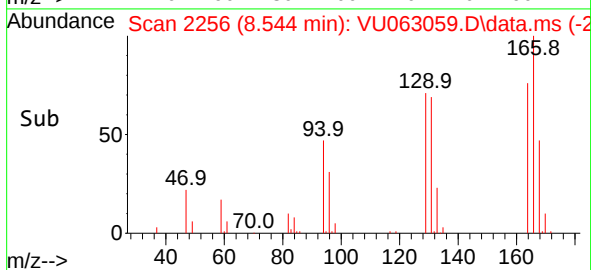
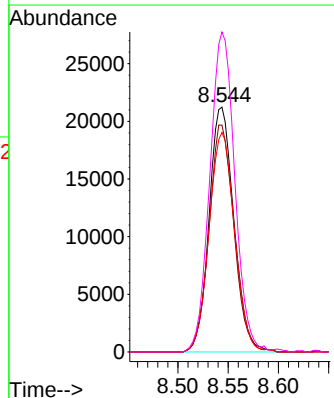
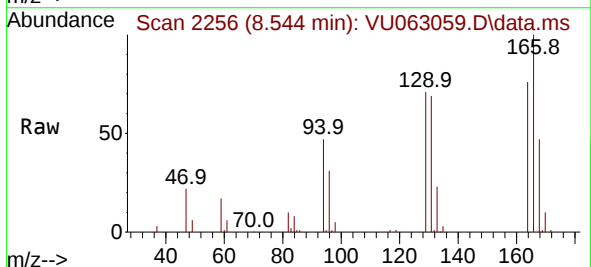
Instrument :
MSVOA_U
ClientSampleId :

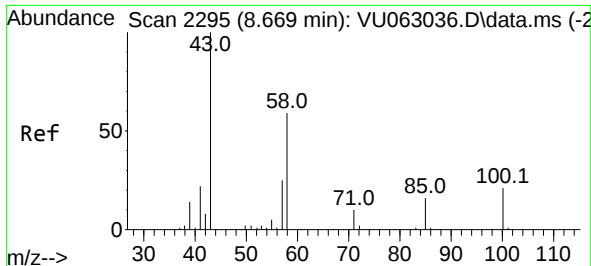
Tgt Ion: 97 Resp: 25852
Ion Ratio Lower Upper
97 100
99 64.7 45.6 84.6
83 78.7 63.0 117.0
85 51.5 39.0 72.4



#47
Tetrachloroethene
Concen: 4.955 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

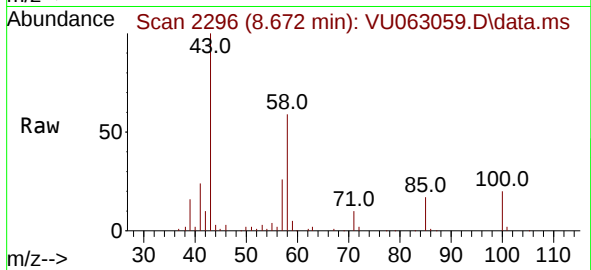
Tgt Ion:164 Resp: 36480
Ion Ratio Lower Upper
164 100
129 92.7 71.0 131.9
131 89.7 69.4 129.0
166 130.8 92.7 172.3



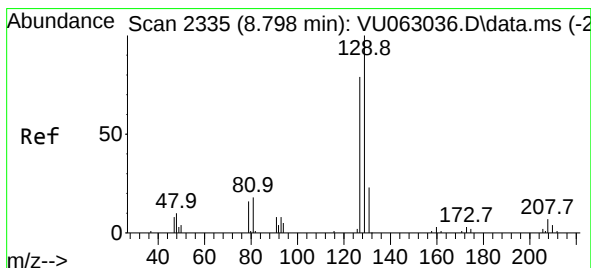
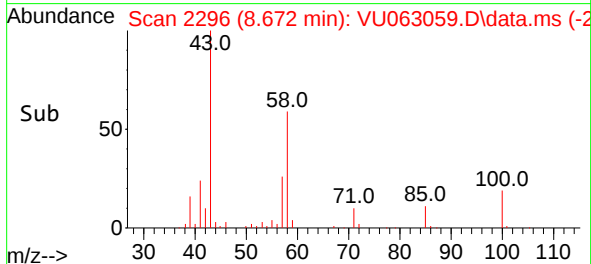
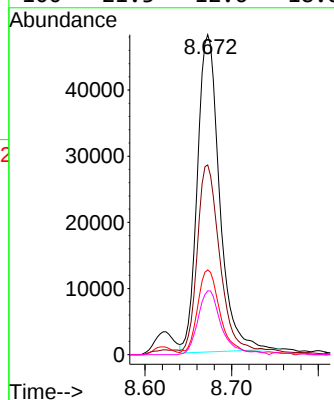


#48
2-Hexanone
Concen: 45.608 ug/L
RT: 8.672 min Scan# 2295
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :

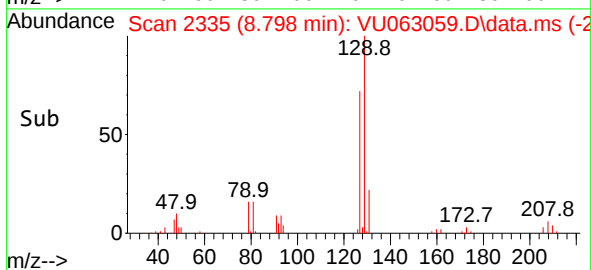
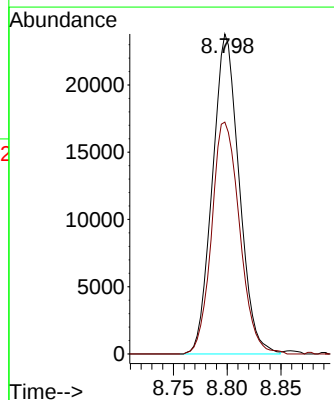
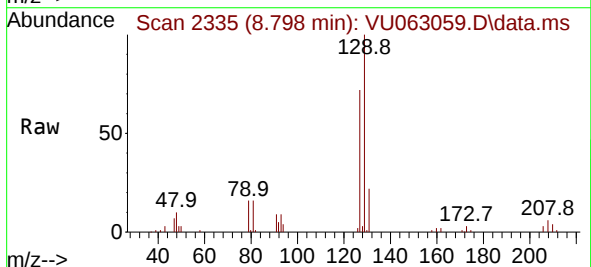


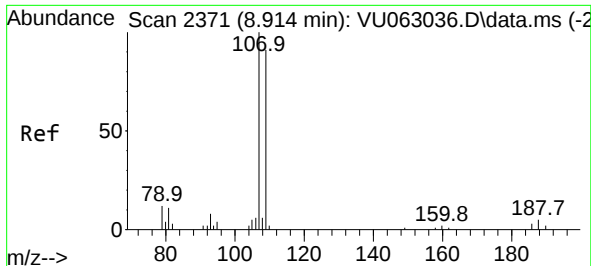
Tgt Ion	Ratio	Lower	Upper
43	100		
58	63.4	50.2	75.4
57	27.8	19.9	29.9
100	21.3	12.6	18.8



#49
Dibromochloromethane
Concen: 4.999 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.5	52.1	96.9





#50

1,2-Dibromoethane

Concen: 4.936 ug/L

RT: 8.914 min Scan# 21

Delta R.T. 0.000 min

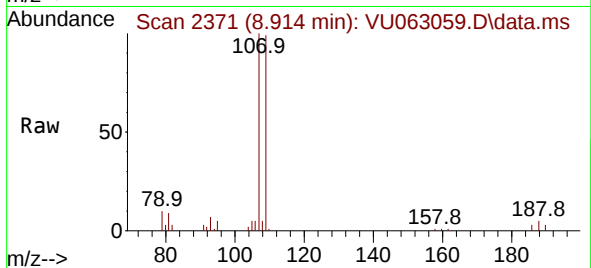
Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

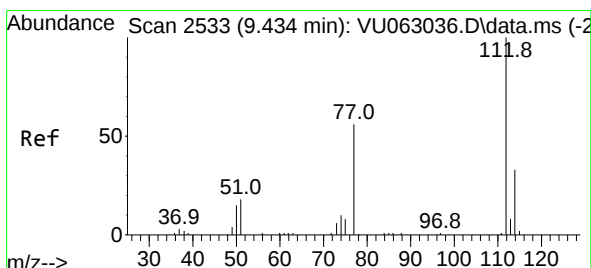
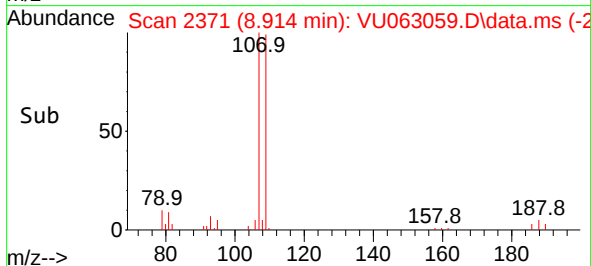
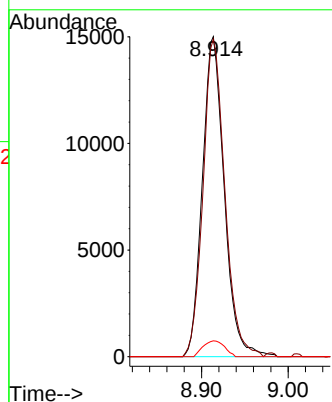
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	26292
Ion	Ratio	Lower	Upper
107	100		
109	99.2	65.7	121.9
188	5.0	3.4	5.2



#51

Chlorobenzene

Concen: 4.937 ug/L

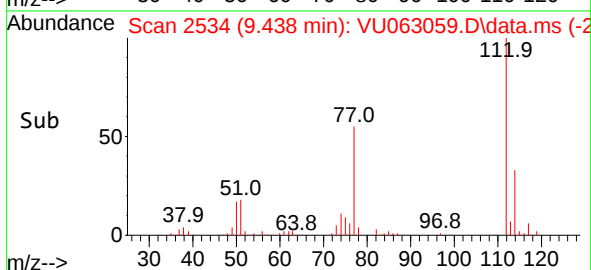
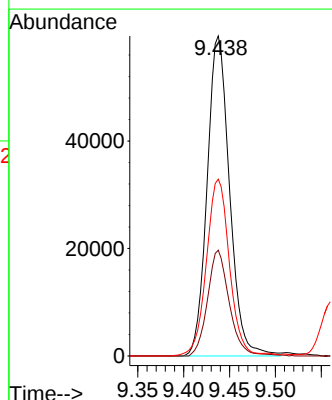
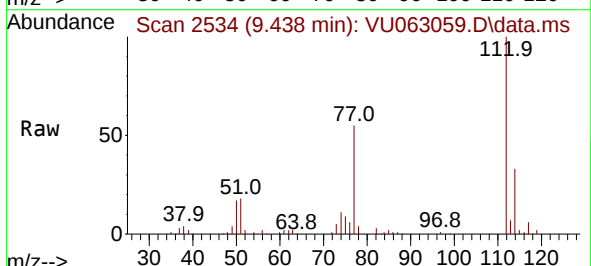
RT: 9.438 min Scan# 2534

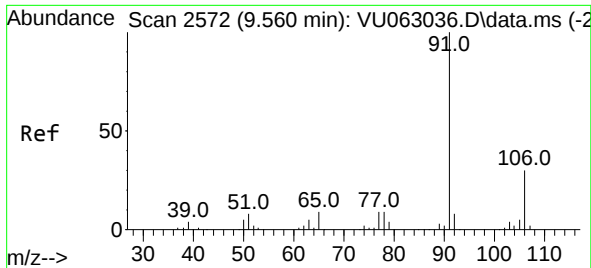
Delta R.T. -0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Tgt Ion:	112	Resp:	101370
Ion	Ratio	Lower	Upper
112	100		
114	33.1	21.7	40.3
77	55.3	48.6	73.0

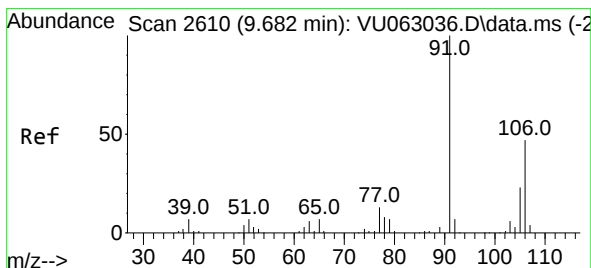
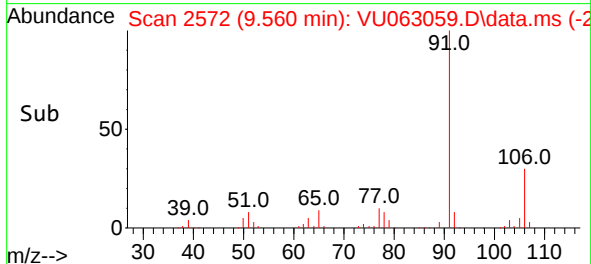
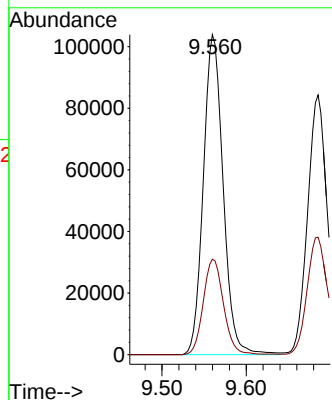
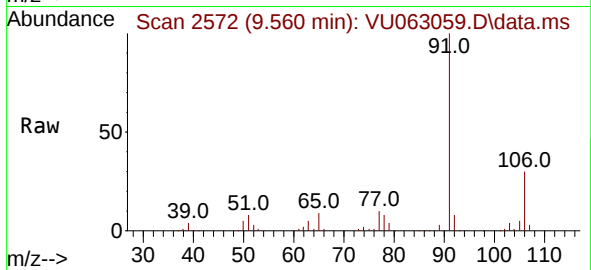




#52
Ethylbenzene
Concen: 4.931 ug/L
RT: 9.560 min Scan# 2106
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

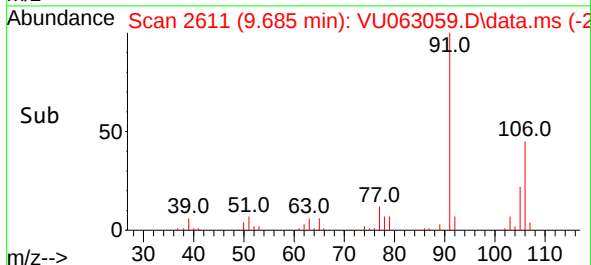
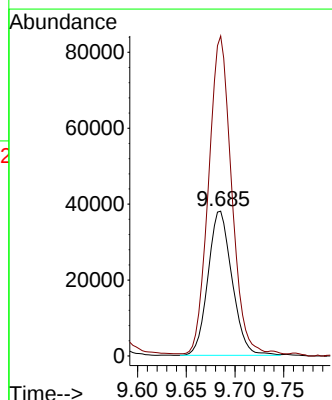
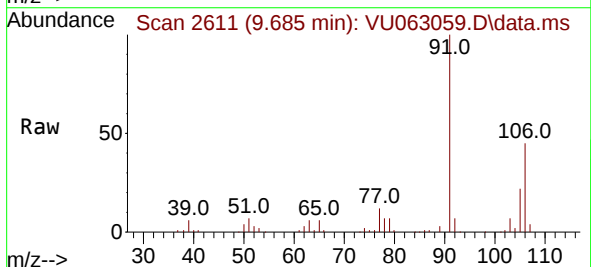
Instrument :
MSVOA_U
ClientSampleId :

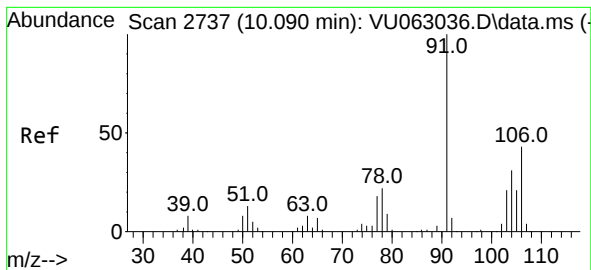
Tgt Ion: 91 Resp: 170167
Ion Ratio Lower Upper
91 100
106 29.8 21.9 40.7



#53
m,p-Xylene
Concen: 4.890 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion:106 Resp: 65164
Ion Ratio Lower Upper
106 100
91 221.1 153.1 284.3





#54

o-Xylene

Concen: 5.141 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

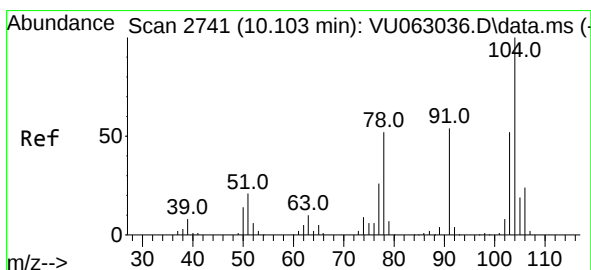
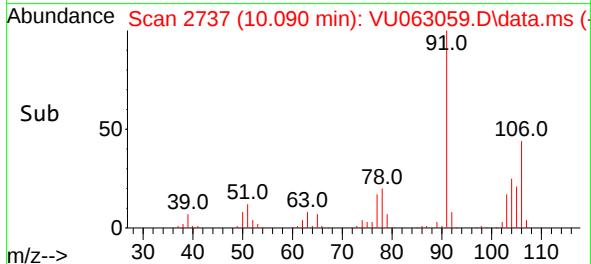
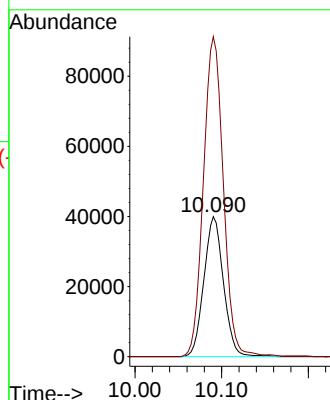
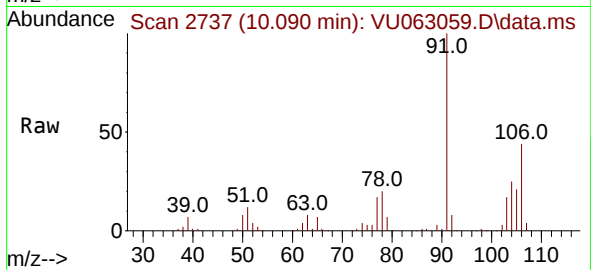
ClientSampleId :

Tgt Ion:106 Resp: 62766

Ion Ratio Lower Upper

106 100

91 228.5 160.4 297.8



#55

Styrene

Concen: 5.159 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU063059.D

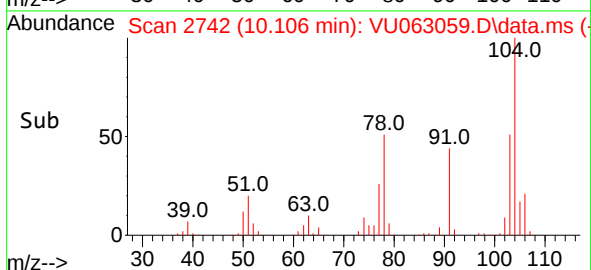
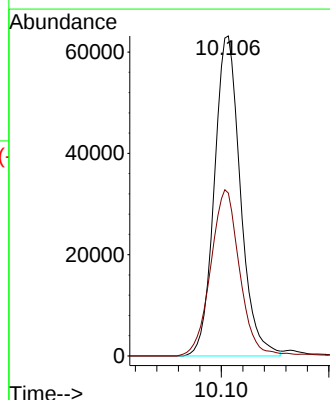
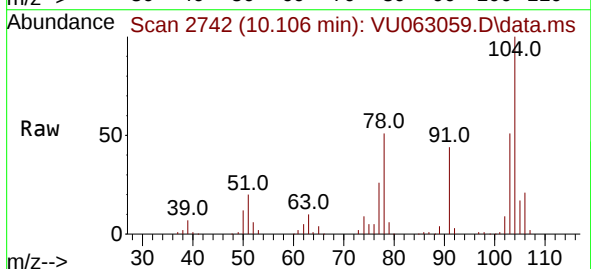
Acq: 28 Jan 2025 10:34

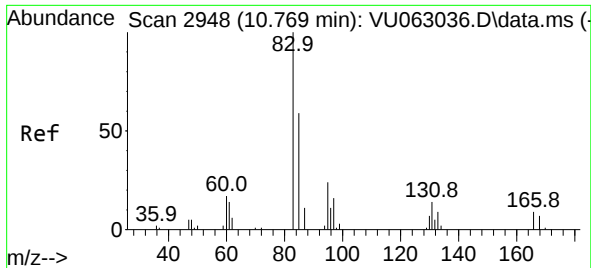
Tgt Ion:104 Resp: 106484

Ion Ratio Lower Upper

104 100

78 50.9 35.5 65.9

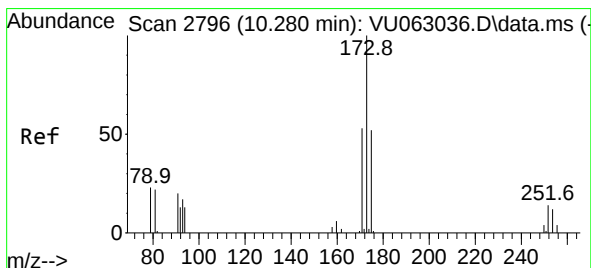
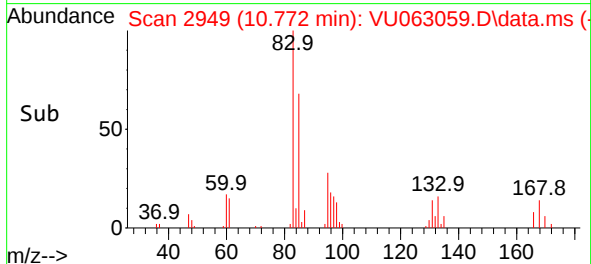
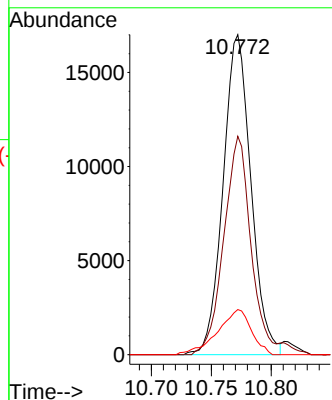
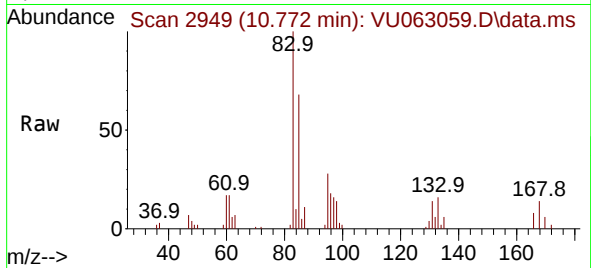




#57
1,1,2,2-Tetrachloroethane
Concen: 4.660 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

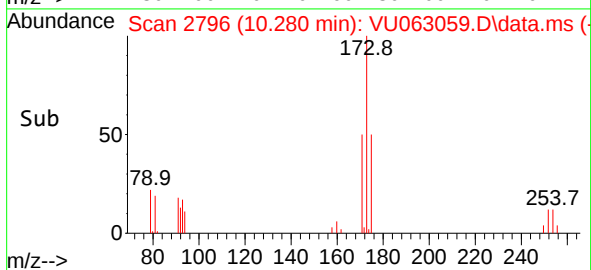
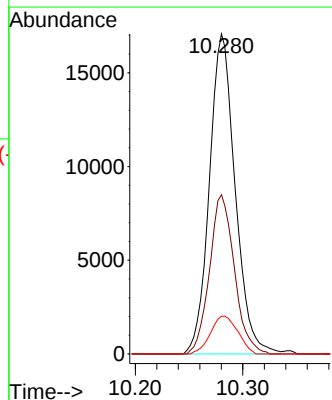
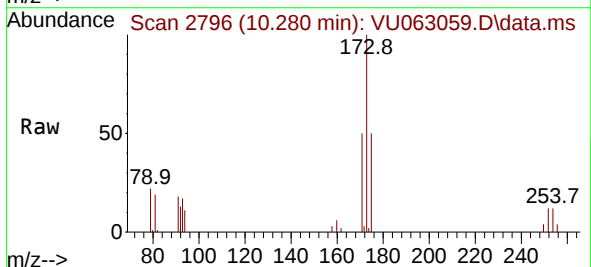
Instrument :
MSVOA_U
ClientSampleId :

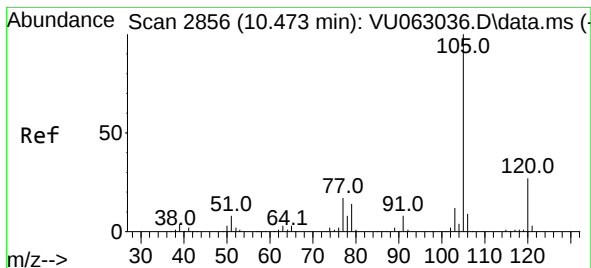
Tgt Ion: 83 Resp: 27496
Ion Ratio Lower Upper
83 100
85 68.3 43.0 79.8
131 14.1 7.4 11.0#



#59
Bromoform
Concen: 4.999 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion:173 Resp: 28414
Ion Ratio Lower Upper
173 100
175 47.9 39.8 59.8
254 12.5 8.6 12.8





#60

Isopropylbenzene

Concen: 4.920 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

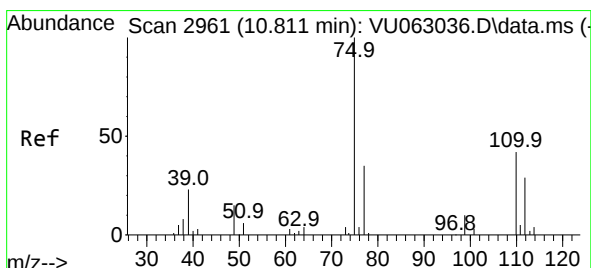
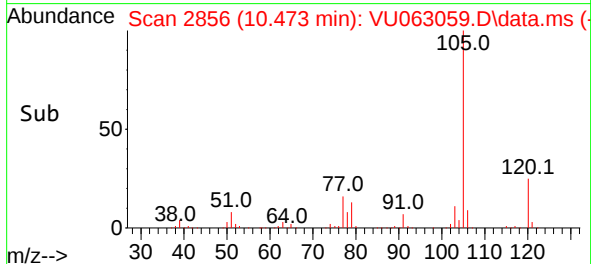
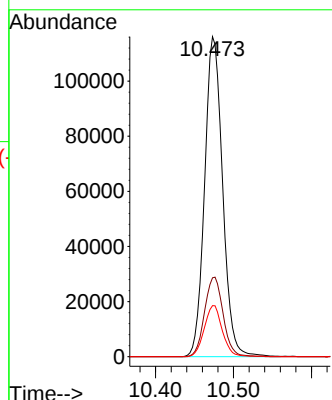
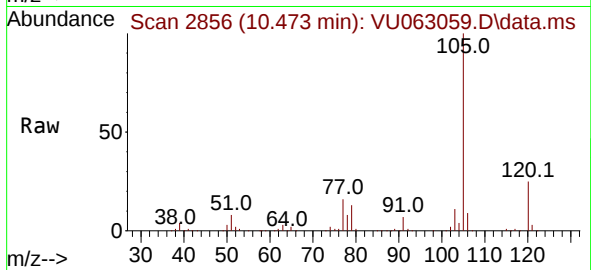
Tgt Ion:105 Resp: 186496

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.2

77 16.0 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.521 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.003 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

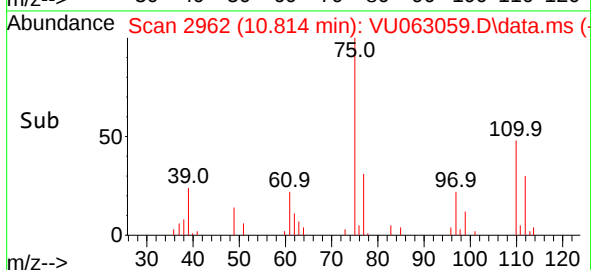
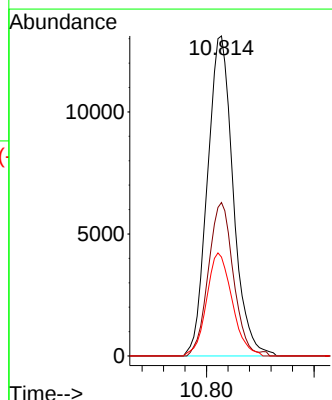
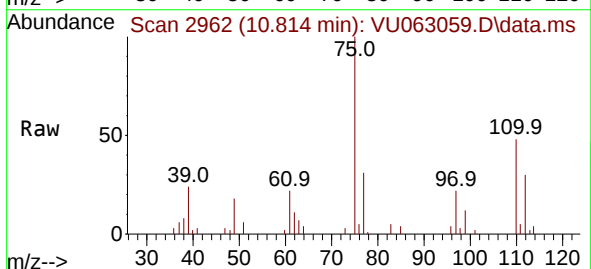
Tgt Ion: 75 Resp: 21763

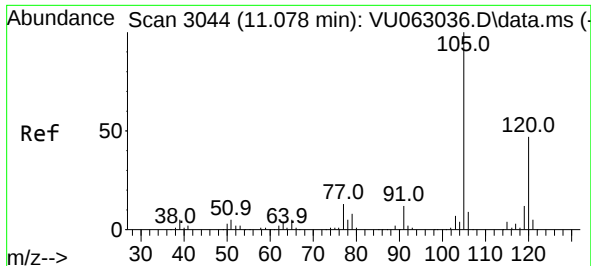
Ion Ratio Lower Upper

75 100

110 46.8 33.2 49.8

77 32.0 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 4.915 ug/L

RT: 11.081 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

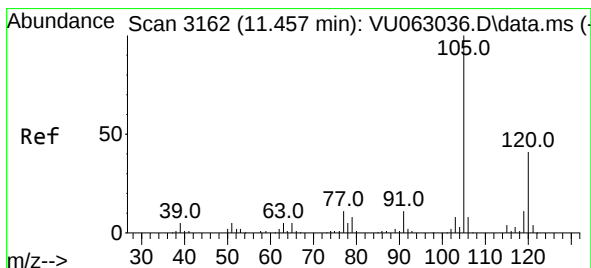
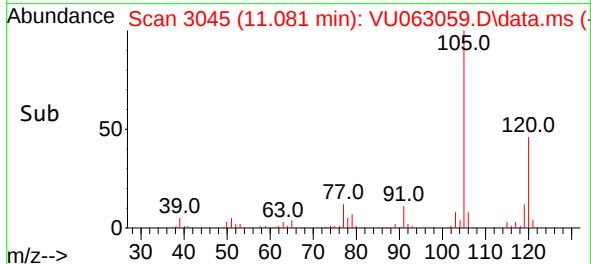
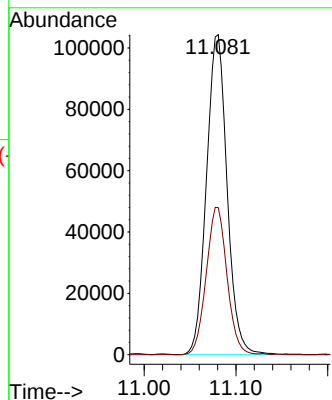
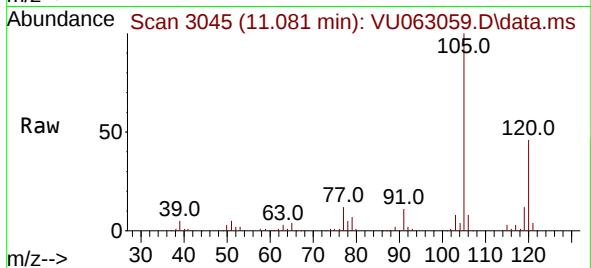
ClientSampleId :

Tgt Ion:105 Resp: 163336

Ion Ratio Lower Upper

105 100

120 46.5 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 5.117 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063059.D

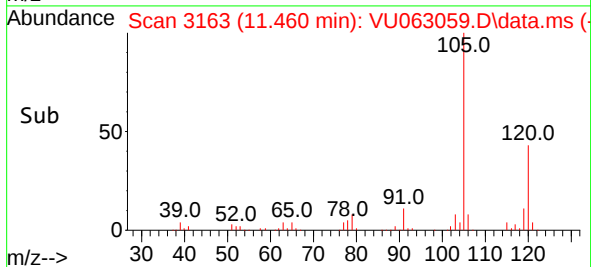
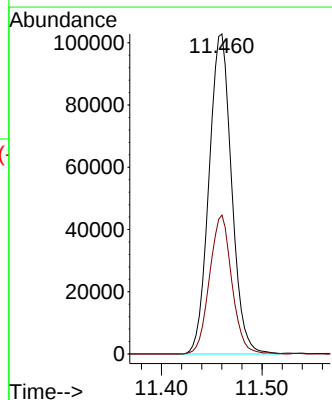
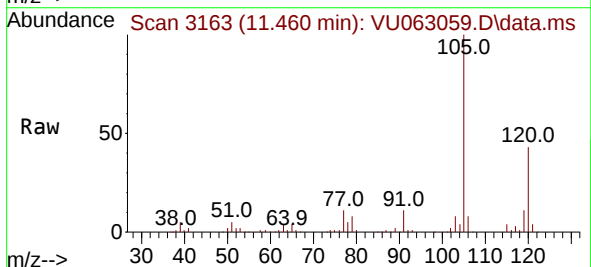
Acq: 28 Jan 2025 10:34

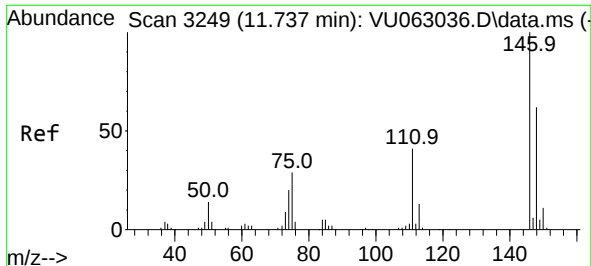
Tgt Ion:105 Resp: 160814

Ion Ratio Lower Upper

105 100

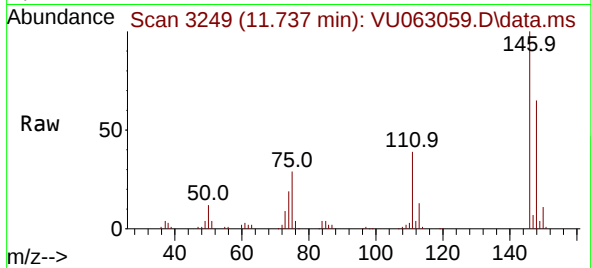
120 42.7 34.2 51.2



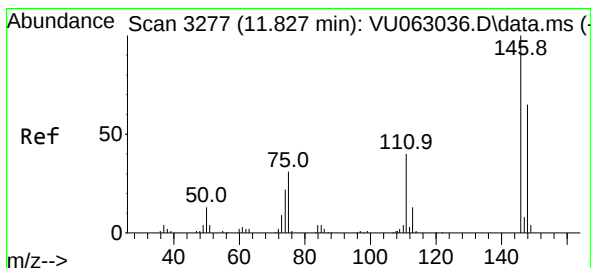
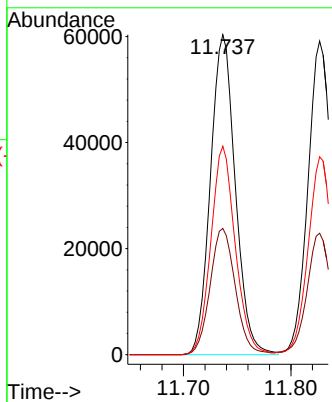
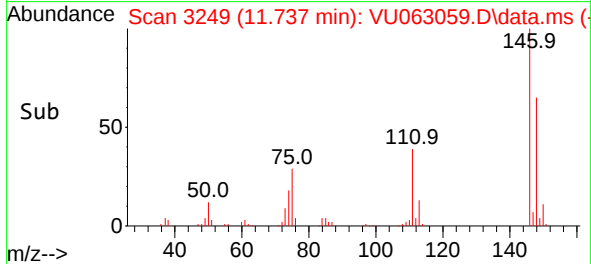


#64
1,3-Dichlorobenzene
Concen: 5.037 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

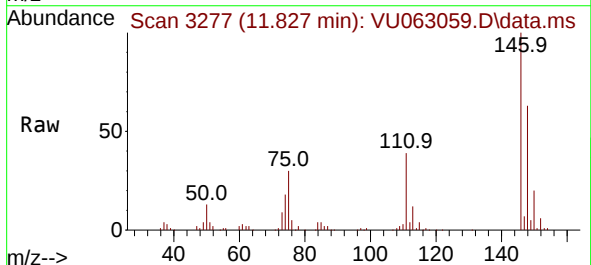
Instrument :
MSVOA_U
ClientSampleId :



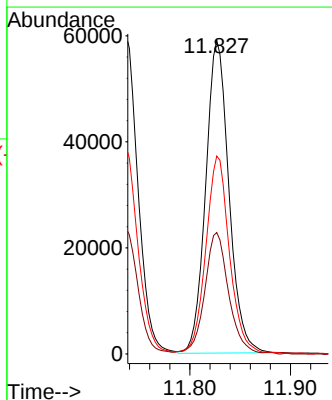
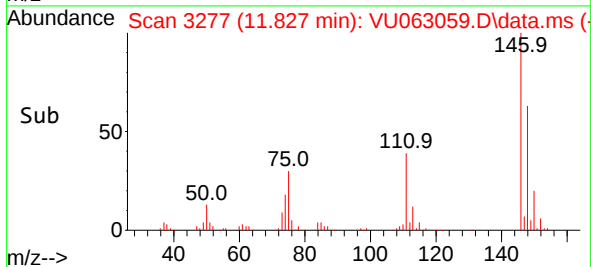
Tgt Ion:146 Resp: 96922
Ion Ratio Lower Upper
146 100
111 39.5 28.6 53.0
148 65.2 44.0 81.6

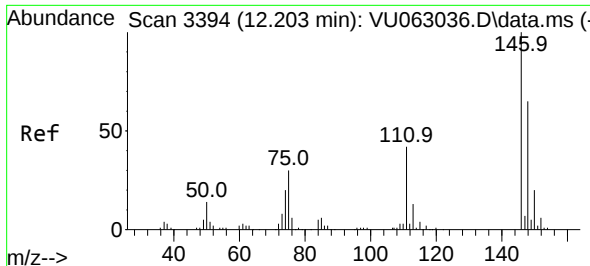


#65
1,4-Dichlorobenzene
Concen: 4.901 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34



Tgt Ion:146 Resp: 94612
Ion Ratio Lower Upper
146 100
111 38.7 29.5 54.9
148 63.1 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 4.837 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

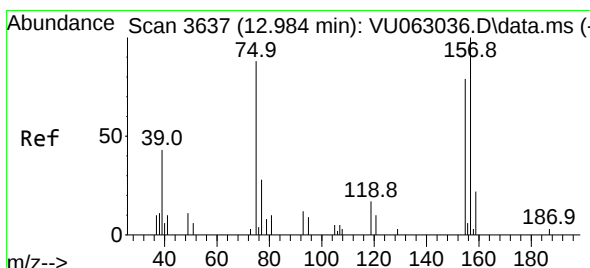
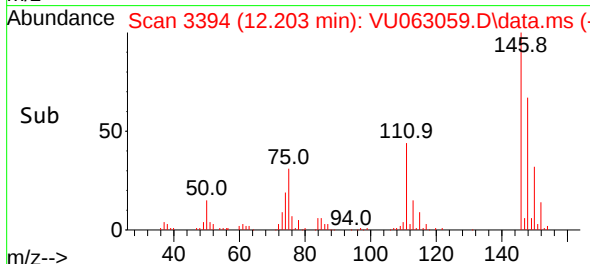
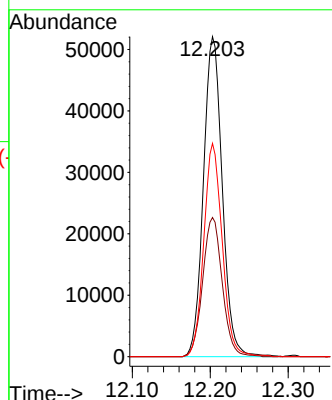
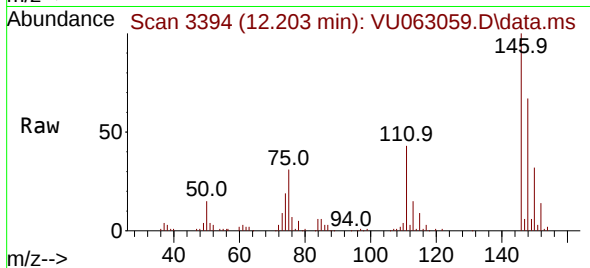
Tgt Ion:146 Resp: 87565

Ion Ratio Lower Upper

146 100

111 43.5 36.3 54.5

148 66.7 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.414 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

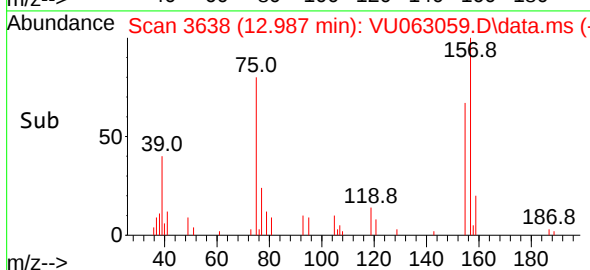
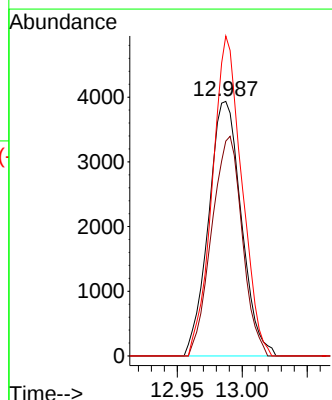
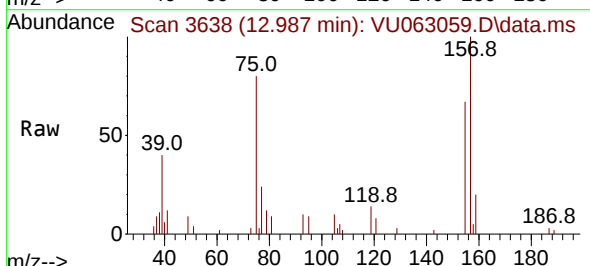
Tgt Ion: 75 Resp: 6892

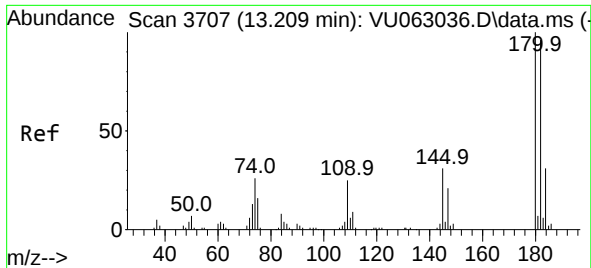
Ion Ratio Lower Upper

75 100

155 84.4 59.6 89.4

157 125.7 70.8 106.2#





#69

1,3,5-Trichlorobenzene

Concen: 4.891 ug/L

RT: 13.209 min Scan# 3707

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 75186

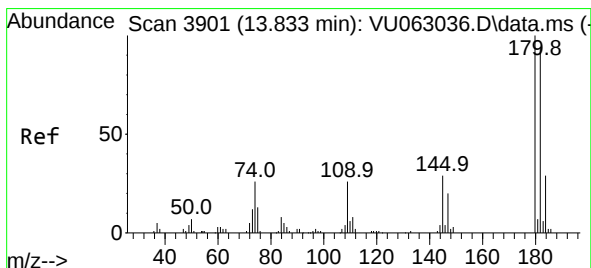
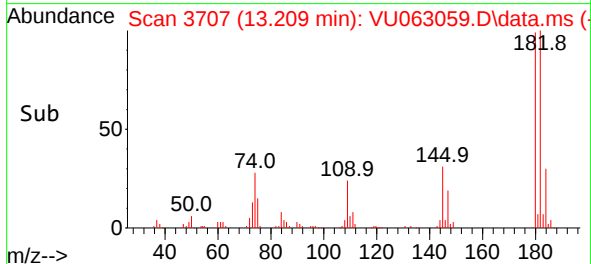
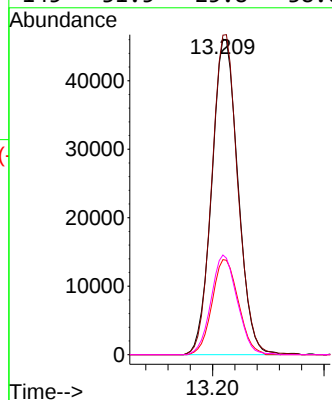
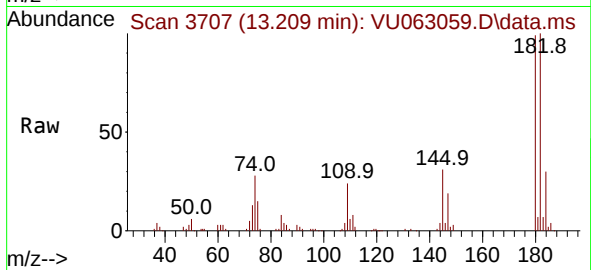
Ion Ratio Lower Upper

180 100

182 100.6 75.8 113.8

184 30.2 24.7 37.1

145 31.5 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 5.206 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063059.D

Acq: 28 Jan 2025 10:34

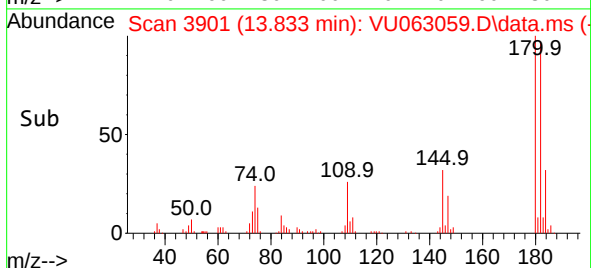
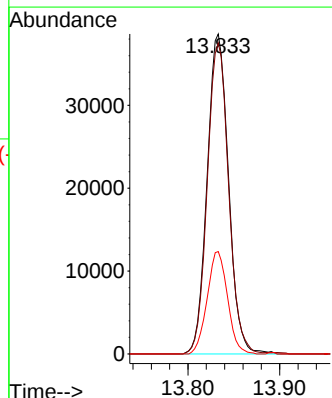
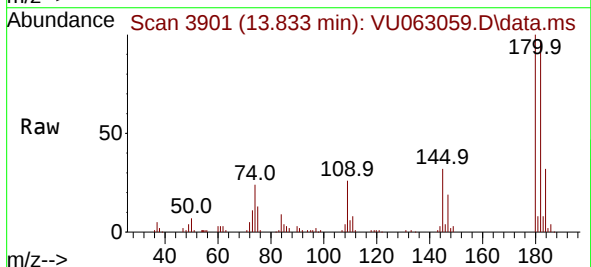
Tgt Ion:180 Resp: 62635

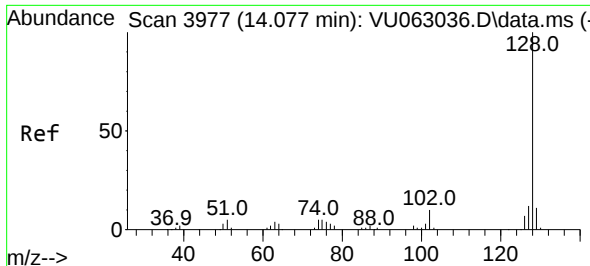
Ion Ratio Lower Upper

180 100

182 96.8 77.1 115.7

145 30.4 26.9 40.3

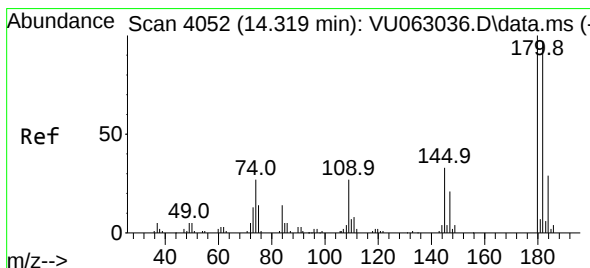
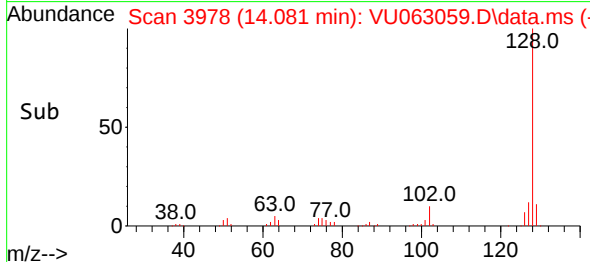
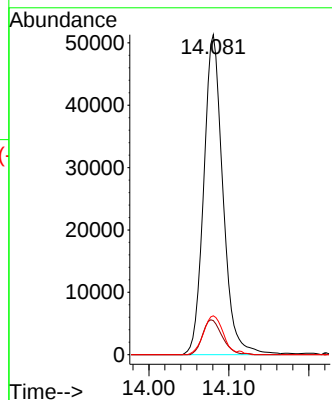
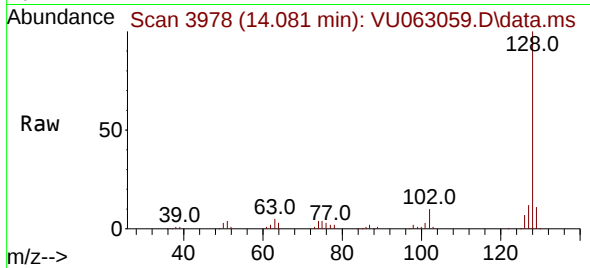




#71
Naphthalene
Concen: 5.552 ug/L
RT: 14.081 min Scan# 3977
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 85712
Ion Ratio Lower Upper
128 100
129 11.2 8.5 12.7
127 12.8 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.104 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063059.D
Acq: 28 Jan 2025 10:34

Tgt Ion:180 Resp: 53057
Ion Ratio Lower Upper
180 100
182 94.9 79.8 119.6
145 32.1 29.2 43.8

