

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031325\
 Data File : VU063278.D
 Acq On : 13 Mar 2025 10:15
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

Quant Time: Mar 14 10:14:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Feb 24 11:41:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	202841	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	195957	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	93722	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	68914	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.898	69	64138	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.554	65	30560	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.608	46	173831	47.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.30%
24) Chloroform-d	5.049	84	150295	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.689	65	73384	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.714	84	295514	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.679	67	93163	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.888	98	263393	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloroprop...	8.171	79	29323	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.621	63	132259	48.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.02%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	71968	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
66) 1,2-Dichlorobenzene-d4	12.184	152	83083	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	94572	5.07	ug/L	99
3) Chloromethane	1.518	50	106658	4.98	ug/L	99
5) Vinyl chloride	1.596	62	106198	5.08	ug/L	99
6) Bromomethane	1.840	94	57812	4.72	ug/L	98
8) Chloroethane	1.920	64	61703	4.84	ug/L	99
9) Trichlorofluoromethane	2.126	101	120945	5.04	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	74502	5.00	ug/L	99
12) 1,1-Dichloroethene	2.567	96	71604	4.92	ug/L	94
13) Acetone	2.615	43	115540	49.84	ug/L	99
14) Carbon disulfide	2.779	76	244970	5.12	ug/L	99
15) Methyl Acetate	2.943	43	30386	4.89	ug/L	98
16) Methylene chloride	3.030	84	82482	4.62	ug/L	99
17) Methyl tert-butyl Ether	3.351	73	172803	4.67	ug/L	99
18) trans-1,2-Dichloroethene	3.338	96	74733	4.87	ug/L	98
19) 1,1-Dichloroethane	3.853	63	149826	4.90	ug/L	100
21) 2-Butanone	4.689	43	190855	49.30	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	85925	4.93	ug/L	97
23) Bromochloromethane	4.962	128	36983	4.78	ug/L	99
25) Chloroform	5.075	83	152015	4.89	ug/L	98

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

Quant Time: Mar 14 10:14:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Feb 24 11:41:21 2025
 Response via : Initial Calibration

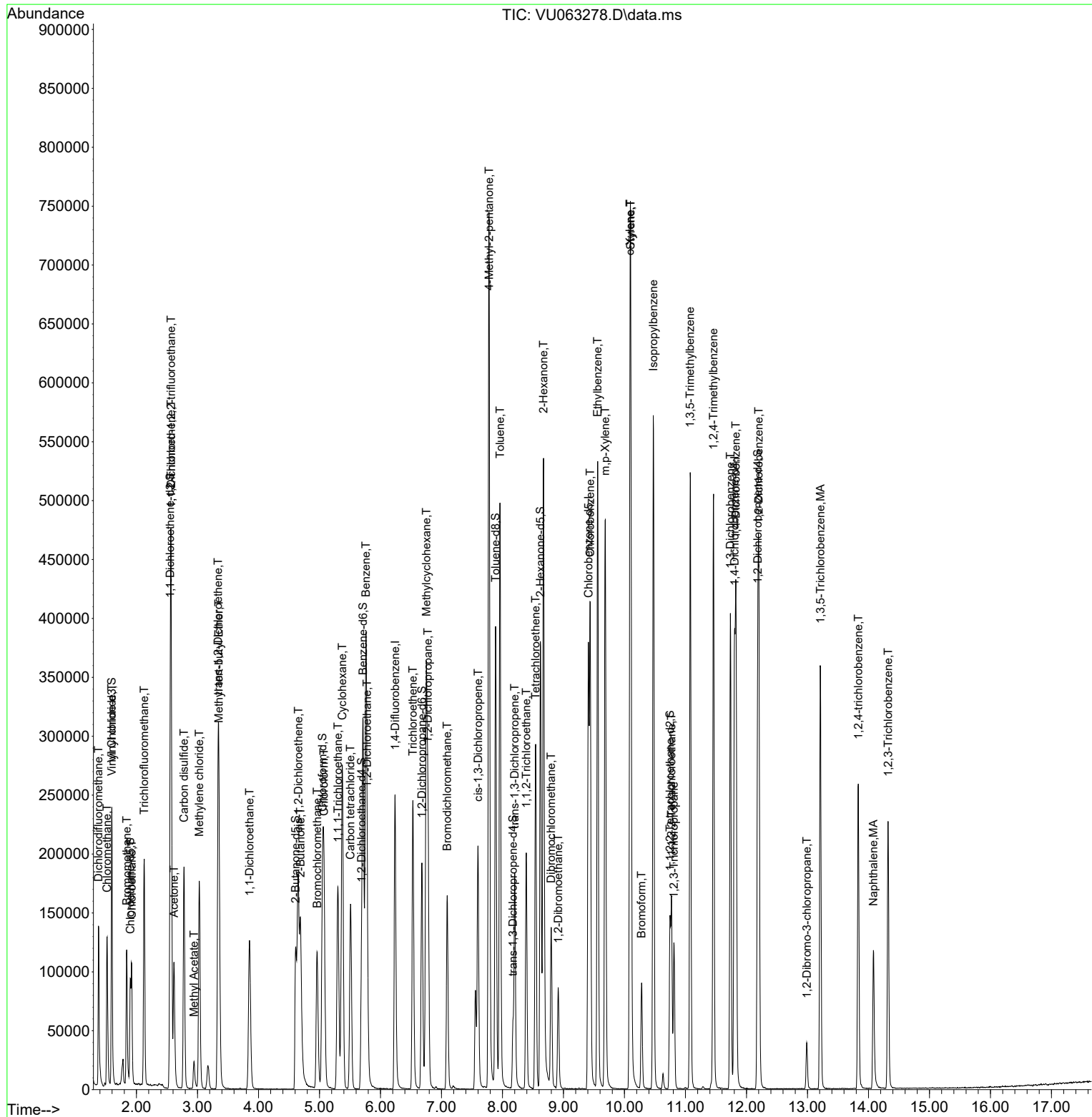
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	96302	4.85	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	124039	5.01	ug/L	100
30) Cyclohexane	5.374	56	135040	5.52	ug/L	99
31) Carbon tetrachloride	5.509	117	106707	5.09	ug/L	100
33) Benzene	5.759	78	344243	5.01	ug/L	100
34) Trichloroethene	6.531	95	86650	5.02	ug/L	98
35) Methylcyclohexane	6.753	83	130465	5.23	ug/L	99
37) 1,2-Dichloropropane	6.779	63	90564	4.95	ug/L	100
38) Bromodichloromethane	7.094	83	108493	4.97	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	123838	4.89	ug/L	96
40) 4-Methyl-2-pentanone	7.779	43	471708	49.53	ug/L	99
42) Toluene	7.959	91	364358	5.20	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	103530	4.97	ug/L	100
45) 1,1,2-Trichloroethane	8.390	97	63048	4.84	ug/L	98
47) Tetrachloroethene	8.544	164	64277	5.15	ug/L	97
48) 2-Hexanone	8.673	43	334145	50.21	ug/L	99
49) Dibromochloromethane	8.798	129	68410	4.94	ug/L	100
50) 1,2-Dibromoethane	8.914	107	58452	4.91	ug/L	97
51) Chlorobenzene	9.438	112	214659	4.95	ug/L	99
52) Ethylbenzene	9.560	91	370881	5.07	ug/L	99
53) m,p-Xylene	9.685	106	141198	5.18	ug/L	99
54) o-Xylene	10.090	106	133609	5.11	ug/L	99
55) Styrene	10.103	104	230940	5.38	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	79052	4.81	ug/L	99
59) Bromoform	10.280	173	40540	4.77	ug/L	97
60) Isopropylbenzene	10.473	105	359848	5.14	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	52761	4.64	ug/L	98
62) 1,3,5-Trimethylbenzene	11.078	105	281478	5.17	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	277382	5.42	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	162381	4.98	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	161619	4.98	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	152312	5.00	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	11191	5.27	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	113919	5.06	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	81425	5.06	ug/L	98
71) Naphthalene	14.081	128	107444	4.99	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	71242	5.16	ug/L	99

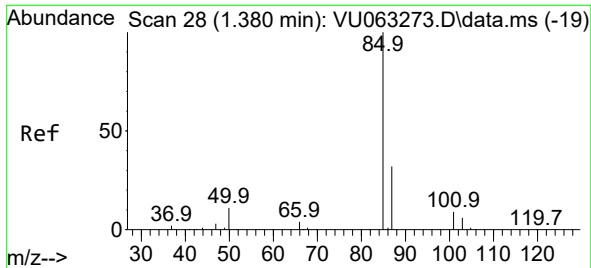
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Data File : VU063278.D
Acq On : 13 Mar 2025 10:15
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

Quant Time: Mar 14 10:14:29 2025
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Feb 24 11:41:21 2025
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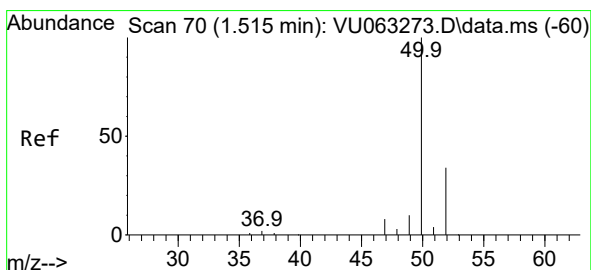
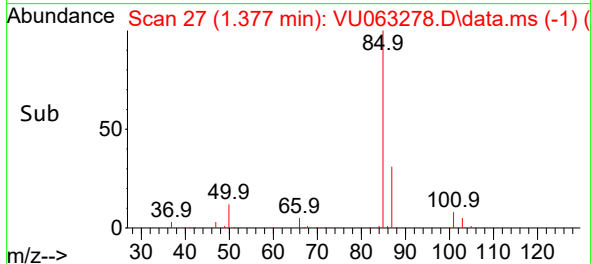
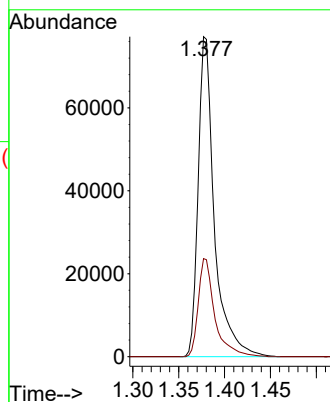
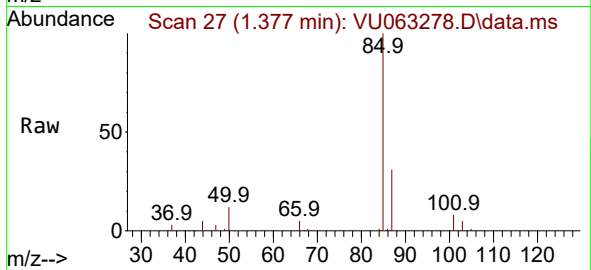




#2
 Dichlorodifluoromethane
 Concen: 5.07 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU063278.D
 Acq: 13 Mar 2025 10:15

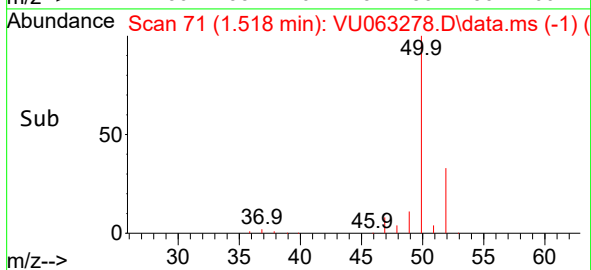
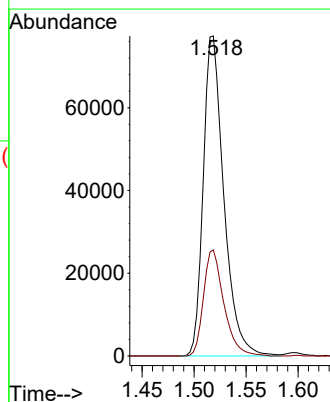
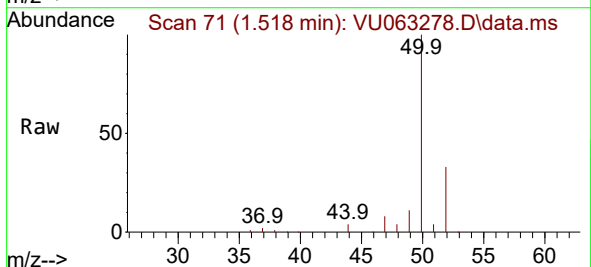
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

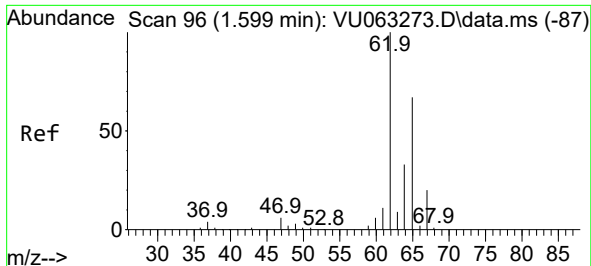
Tgt Ion: 85 Resp: 94572
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.5 38.3



#3
 Chloromethane
 Concen: 4.98 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU063278.D
 Acq: 13 Mar 2025 10:15

Tgt Ion: 50 Resp: 106658
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.5 43.7

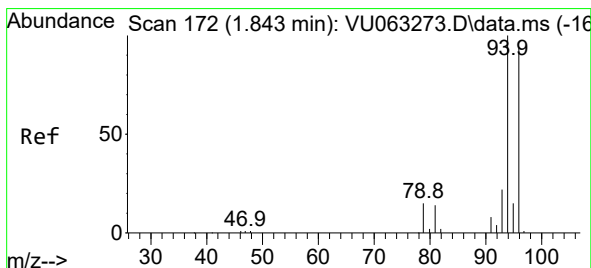
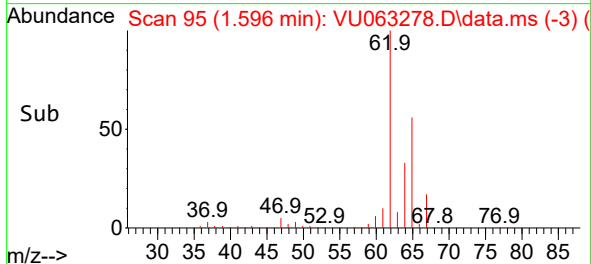
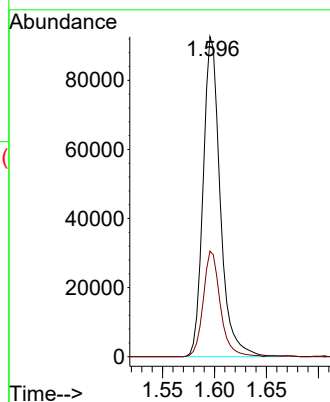
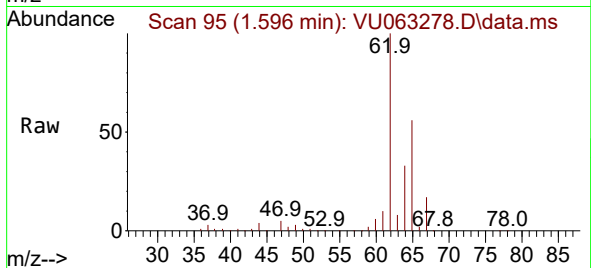




#5
 Vinyl chloride
 Concen: 5.08 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063278.D
 Acq: 13 Mar 2025 10:15

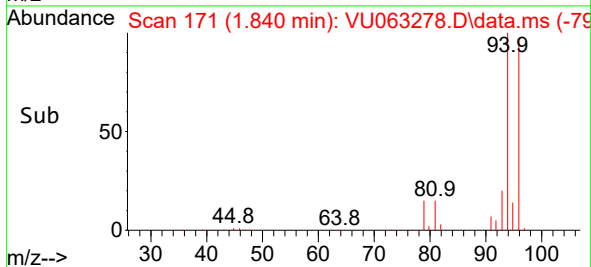
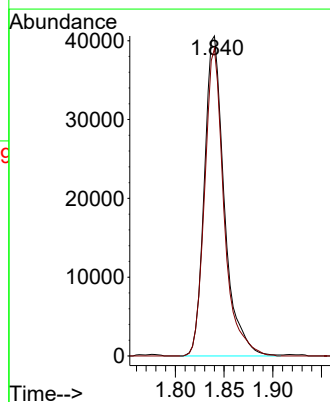
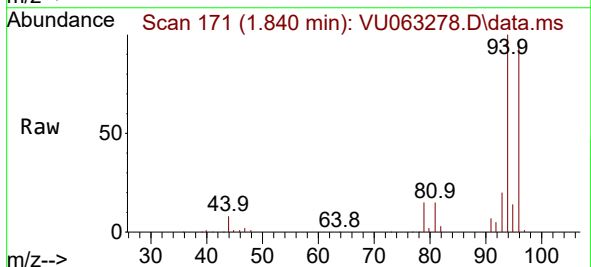
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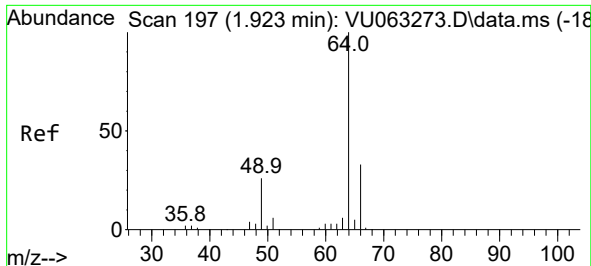
Tgt Ion: 62 Resp: 106198
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.3 43.3



#6
 Bromomethane
 Concen: 4.72 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. -0.003 min
 Lab File: VU063278.D
 Acq: 13 Mar 2025 10:15

Tgt Ion: 94 Resp: 57812
 Ion Ratio Lower Upper
 94 100
 96 96.0 65.6 121.8

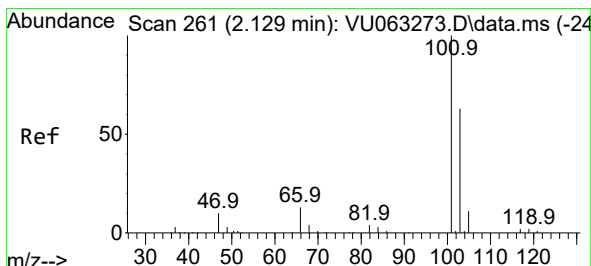
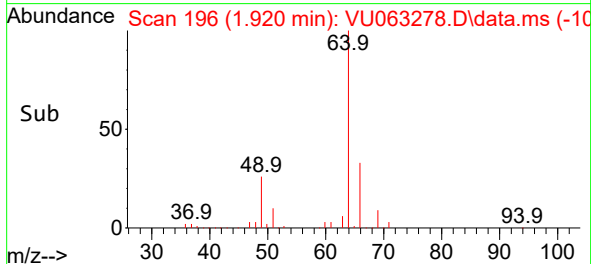
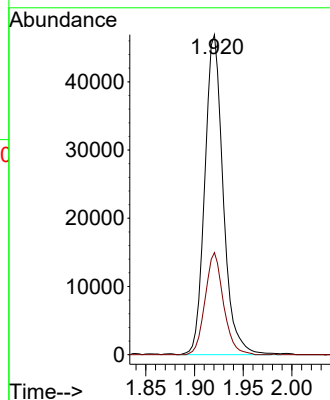
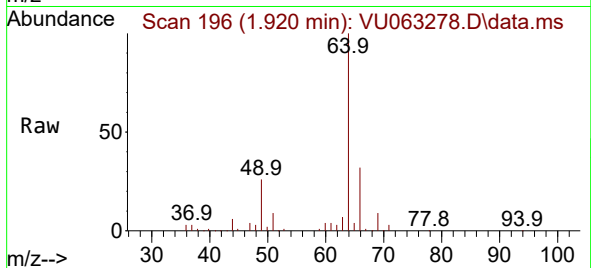




#8
Chloroethane
Concen: 4.84 ug/L
RT: 1.920 min Scan# 197
Delta R.T. -0.003 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

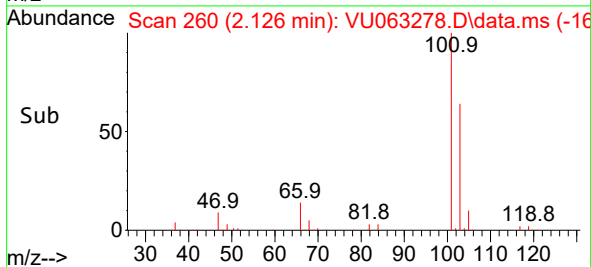
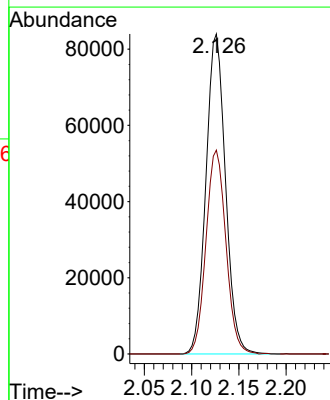
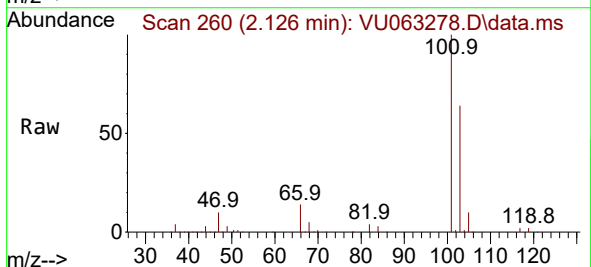
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MSVOA_U
ClientSampleId :
VSTD005138

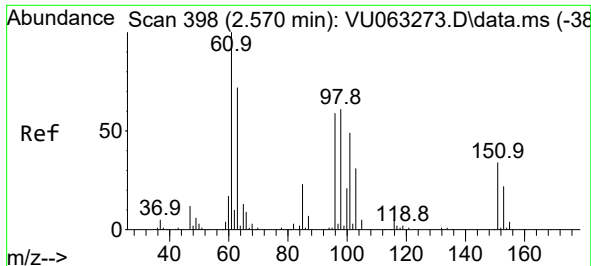
Tgt Ion: 64 Resp: 61703
Ion Ratio Lower Upper
64 100
66 31.9 22.7 42.3



#9
Trichlorofluoromethane
Concen: 5.04 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion:101 Resp: 120945
Ion Ratio Lower Upper
101 100
103 64.8 50.8 76.2

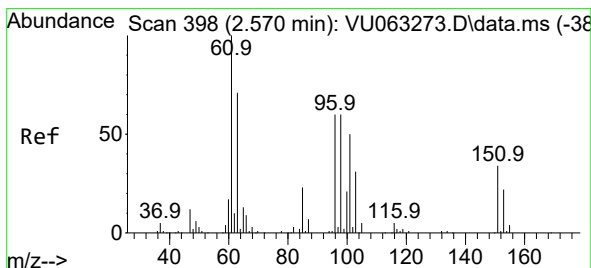
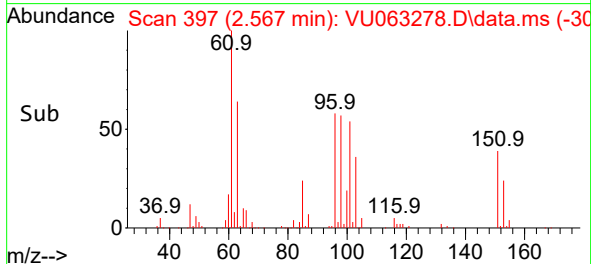
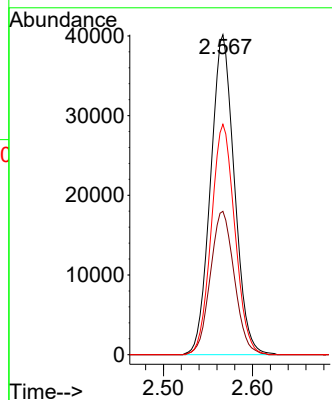
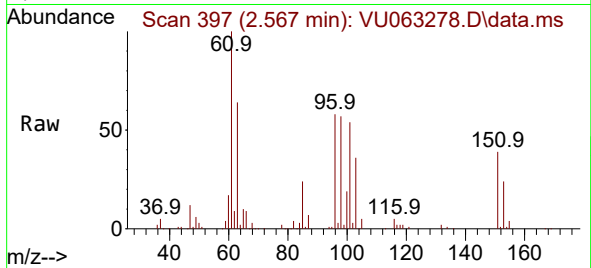




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.00 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

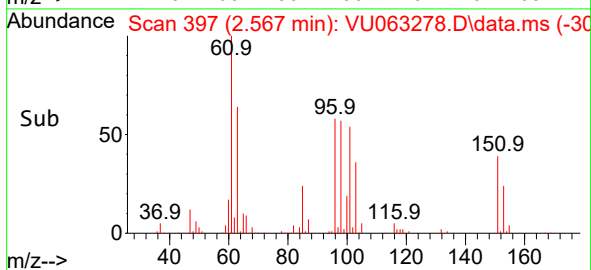
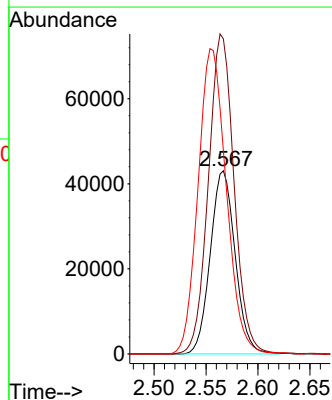
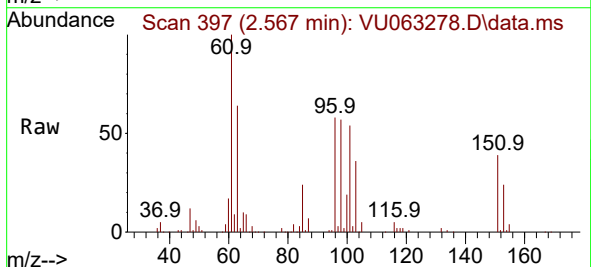
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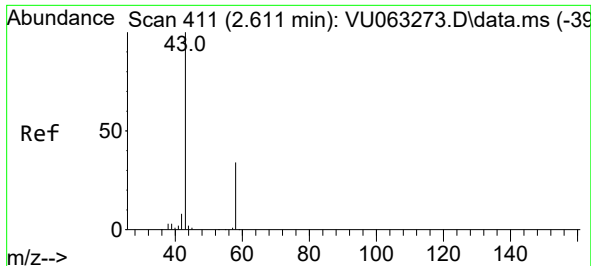
Tgt Ion:101 Resp: 74502
Ion Ratio Lower Upper
101 100
85 45.2 35.8 53.6
151 71.4 56.4 84.6



#12
1,1-Dichloroethene
Concen: 4.92 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion: 96 Resp: 71604
Ion Ratio Lower Upper
96 100
61 172.1 117.8 218.8
63 110.9 86.0 159.6





#13

Acetone

Concen: 49.84 ug/L

RT: 2.615 min Scan# 411

Delta R.T. 0.004 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

Instrument :

MSVOA_U

ClientSampleId :

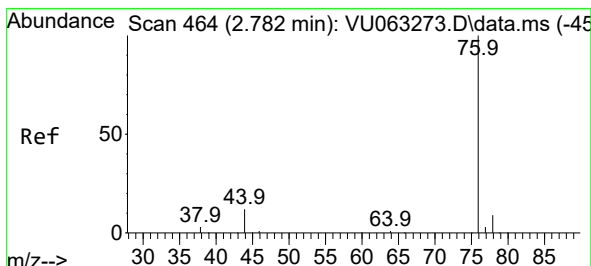
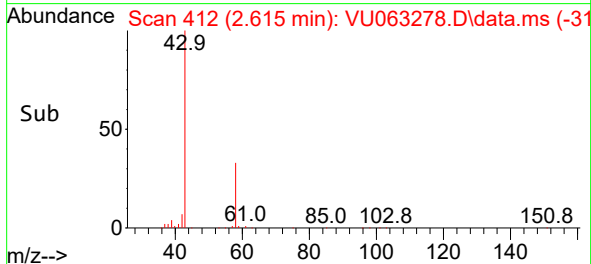
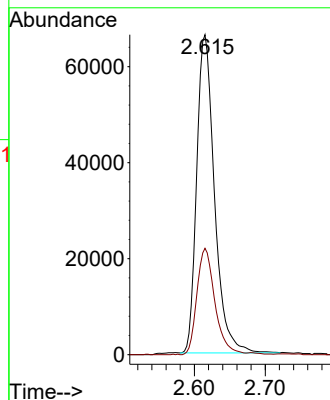
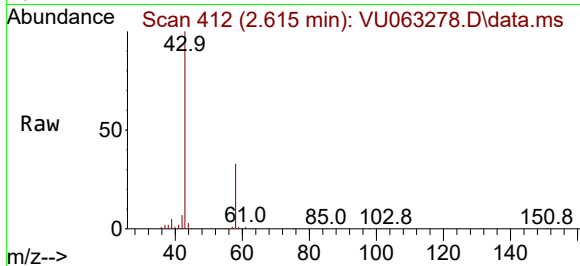
VSTD005138

Tgt Ion: 43 Resp: 115540

Ion Ratio Lower Upper

43 100

58 33.8 0.0 66.8



#14

Carbon disulfide

Concen: 5.12 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063278.D

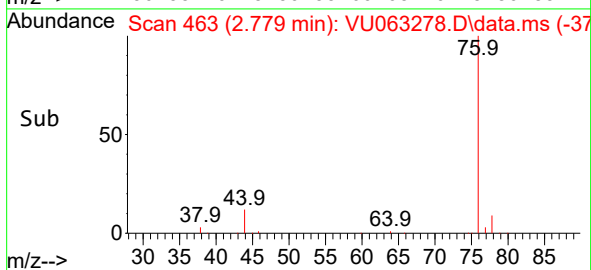
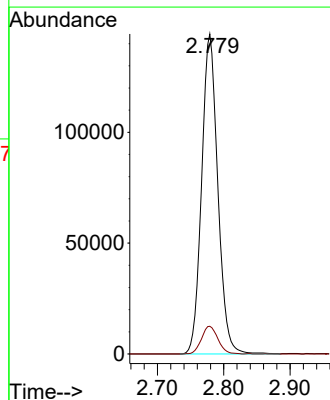
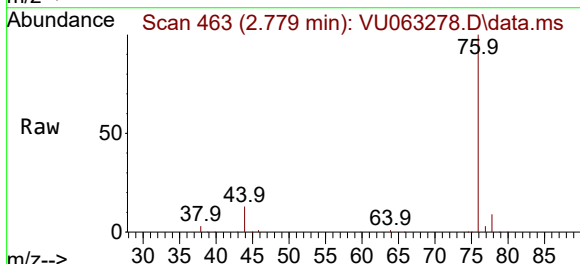
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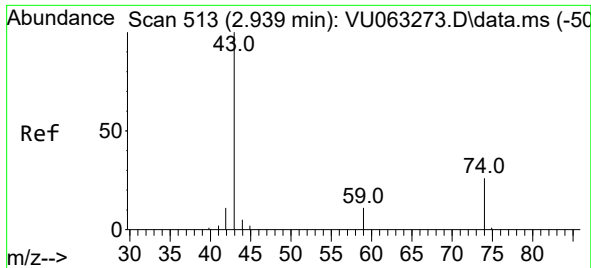
Tgt Ion: 76 Resp: 244970

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8

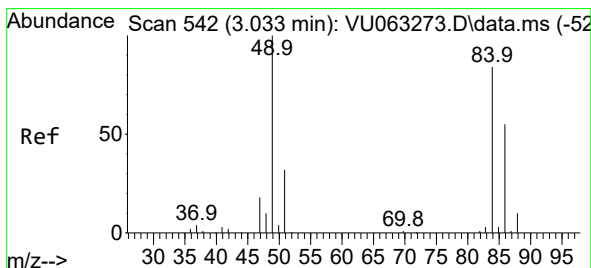
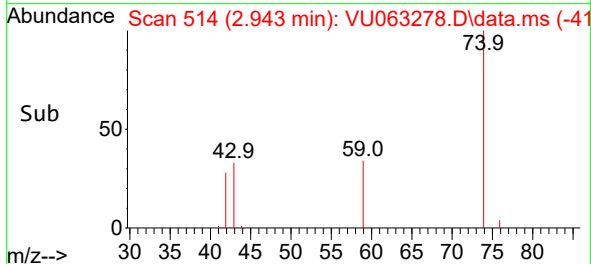
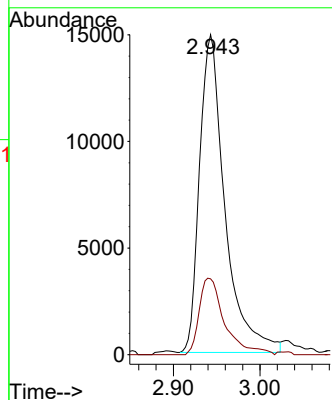
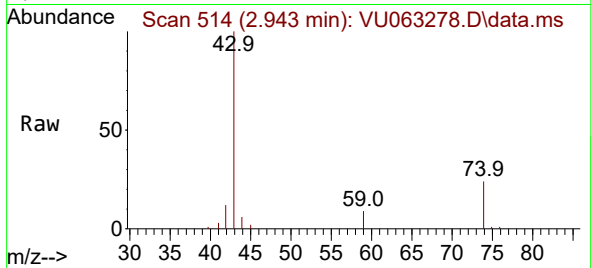




#15
Methyl Acetate
Concen: 4.89 ug/L
RT: 2.943 min Scan# 513
Delta R.T. 0.004 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

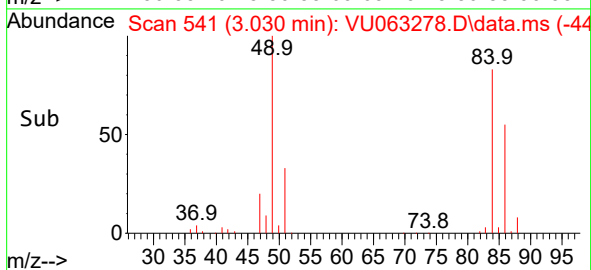
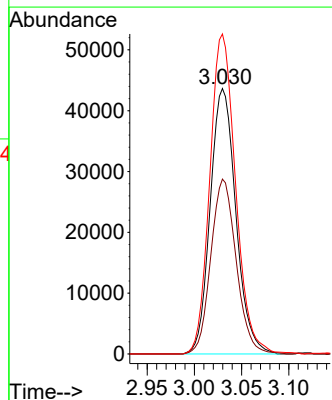
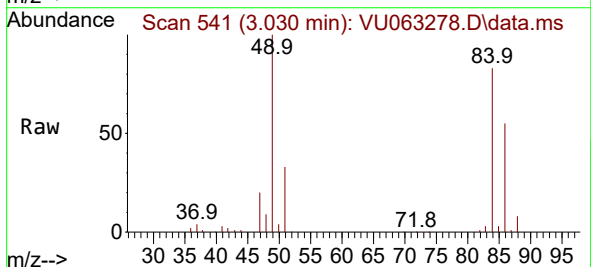
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

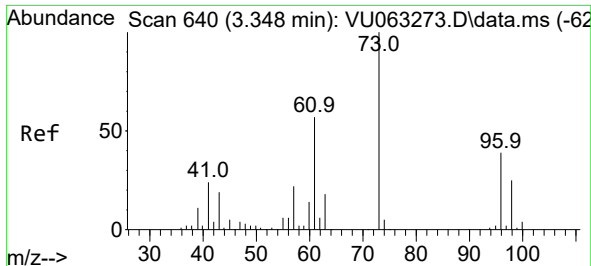
Tgt Ion: 43 Resp: 30386
Ion Ratio Lower Upper
43 100
74 24.1 20.2 30.2



#16
Methylene chloride
Concen: 4.62 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion: 84 Resp: 82482
Ion Ratio Lower Upper
84 100
86 65.9 45.3 84.1
49 120.5 83.4 154.8





#17

Methyl tert-butyl Ether

Concen: 4.67 ug/L

RT: 3.351 min Scan# 64

Delta R.T. 0.003 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

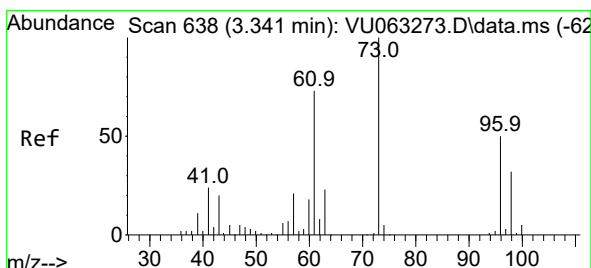
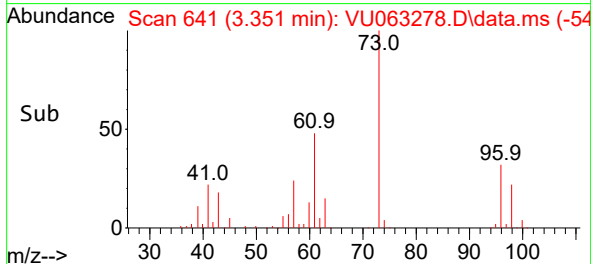
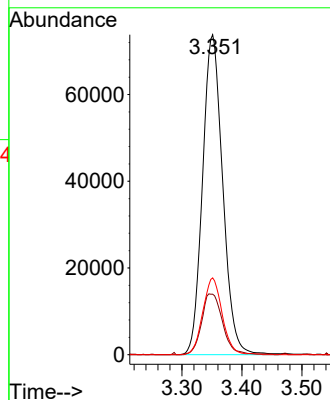
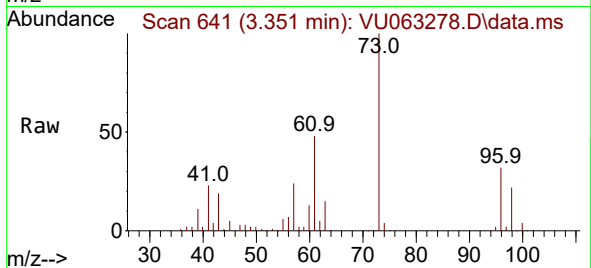
Tgt Ion: 73 Resp: 172803

Ion Ratio Lower Upper

73 100

43 19.8 15.7 23.5

57 22.9 17.6 26.4



#18

trans-1,2-Dichloroethene

Concen: 4.87 ug/L

RT: 3.338 min Scan# 637

Delta R.T. -0.003 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

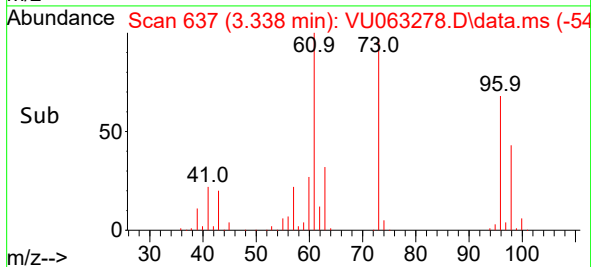
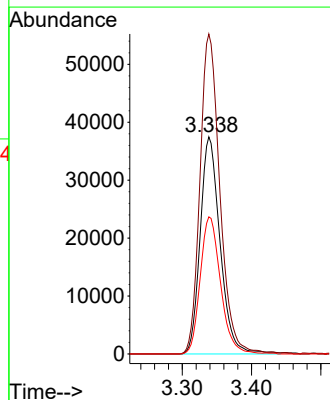
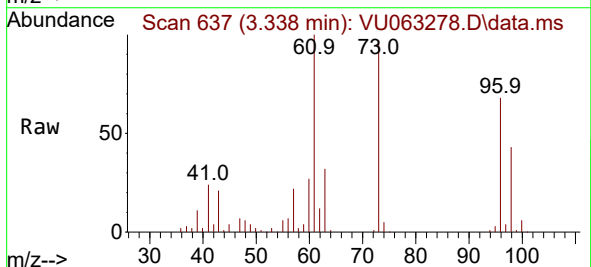
Tgt Ion: 96 Resp: 74733

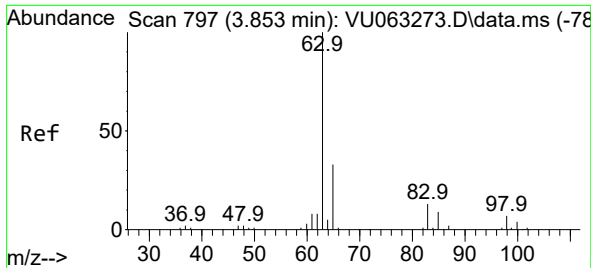
Ion Ratio Lower Upper

96 100

61 147.4 100.7 186.9

98 63.2 44.4 82.5

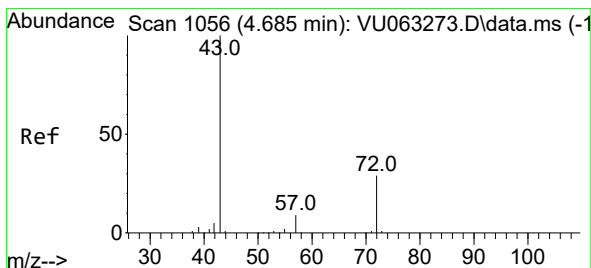
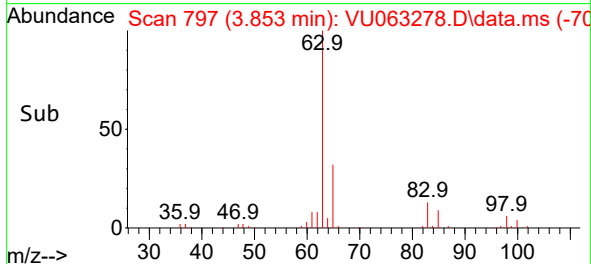
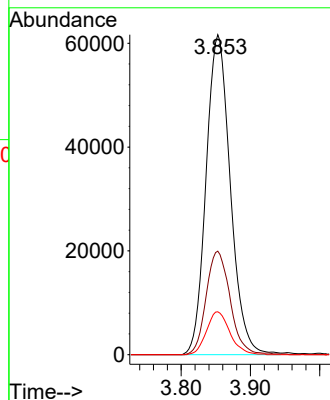
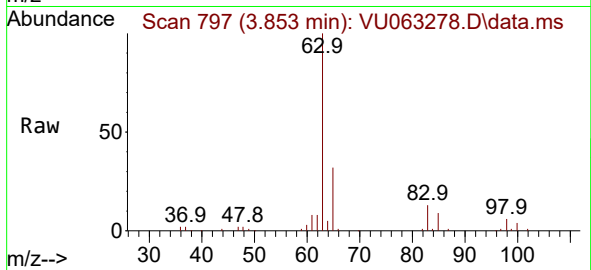




#19
1,1-Dichloroethane
Concen: 4.90 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

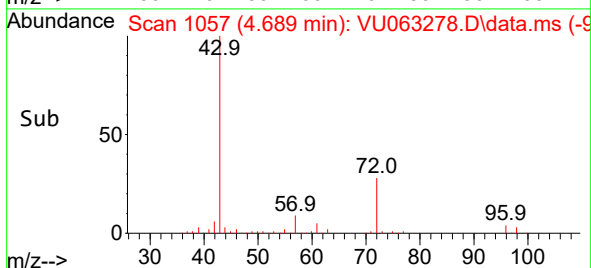
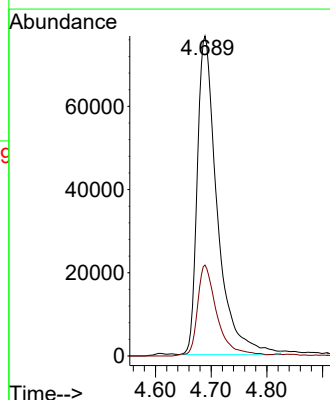
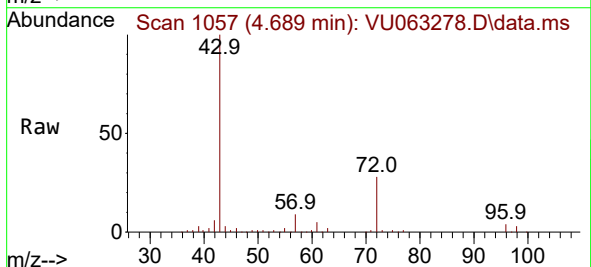
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

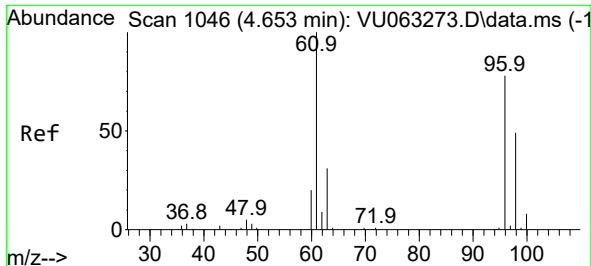
Tgt Ion: 63 Resp: 149826
Ion Ratio Lower Upper
63 100
65 32.3 22.8 42.4
83 13.4 9.3 17.3



#21
2-Butanone
Concen: 49.30 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.004 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion: 43 Resp: 190855
Ion Ratio Lower Upper
43 100
72 28.0 14.5 43.5

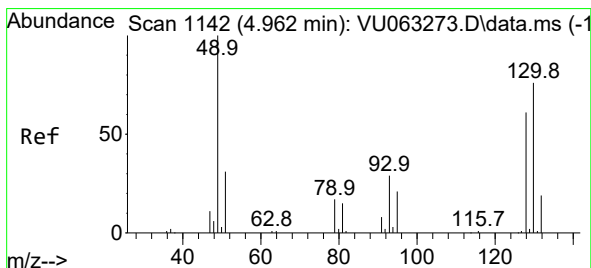
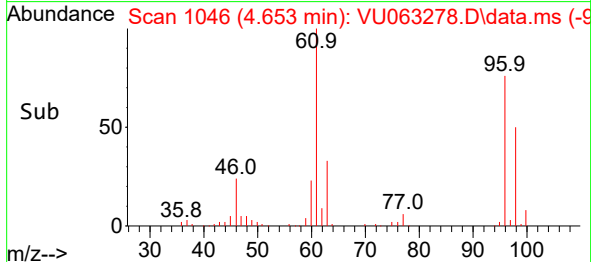
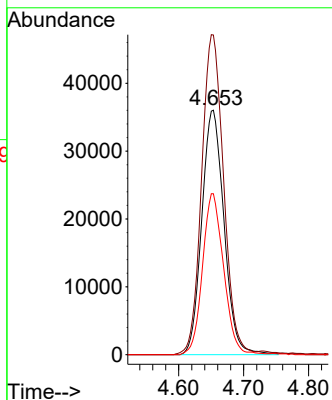
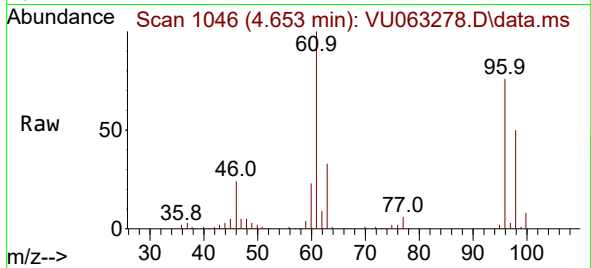




#22
 cis-1,2-Dichloroethene
 Concen: 4.93 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. 0.000 min
 Lab File: VU063278.D
 Acq: 13 Mar 2025 10:15

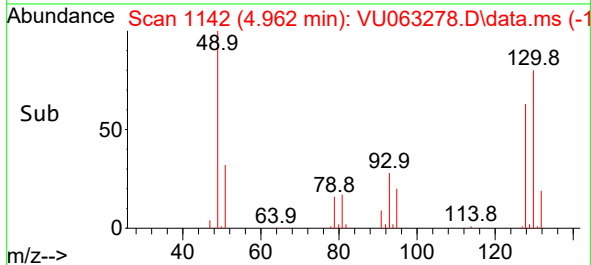
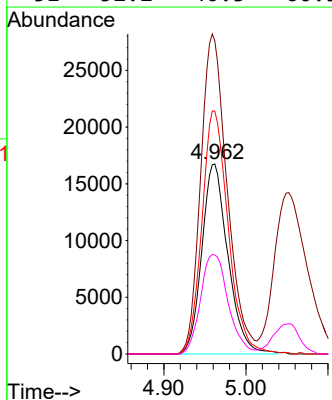
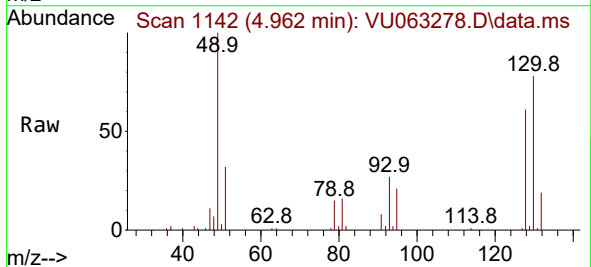
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

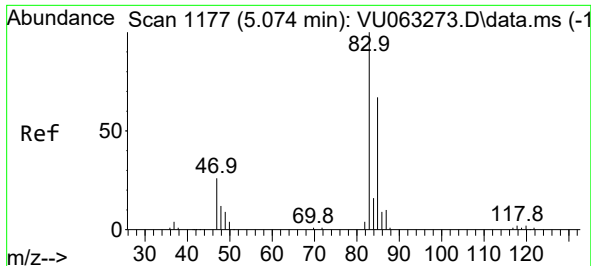
Tgt Ion: 96 Resp: 85925
 Ion Ratio Lower Upper
 96 100
 61 130.7 89.9 167.0
 98 65.8 43.8 81.4



#23
 Bromochloromethane
 Concen: 4.78 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VU063278.D
 Acq: 13 Mar 2025 10:15

Tgt Ion: 128 Resp: 36983
 Ion Ratio Lower Upper
 128 100
 49 164.8 115.1 213.8
 130 127.7 87.6 162.8
 51 52.2 40.3 60.5





#25

Chloroform

Concen: 4.89 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. 0.001 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

Instrument :

MSVOA_U

ClientSampleId :

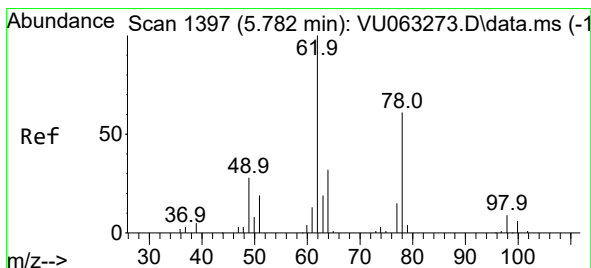
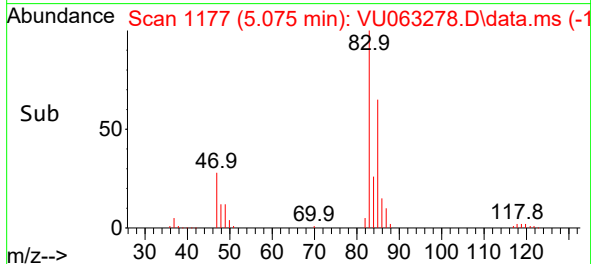
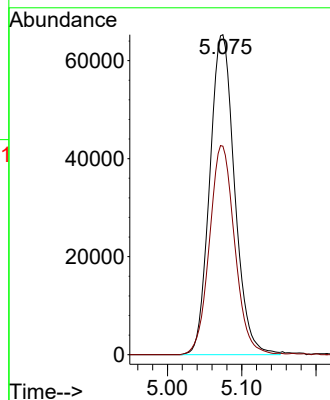
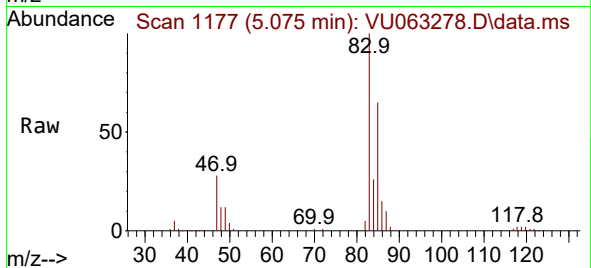
VSTD005138

Tgt Ion: 83 Resp: 152015

Ion Ratio Lower Upper

83 100

85 65.2 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.85 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VU063278.D

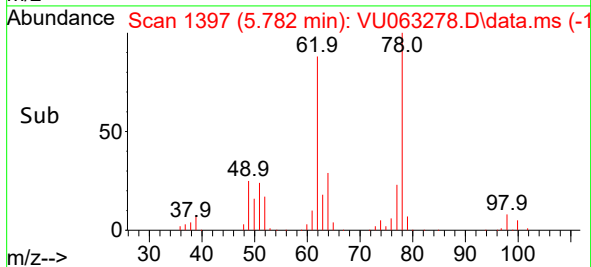
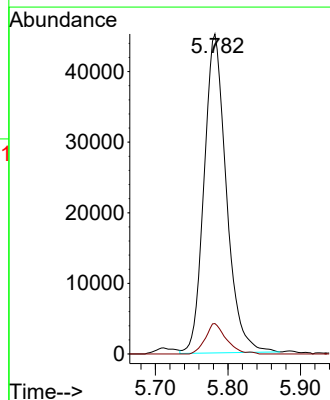
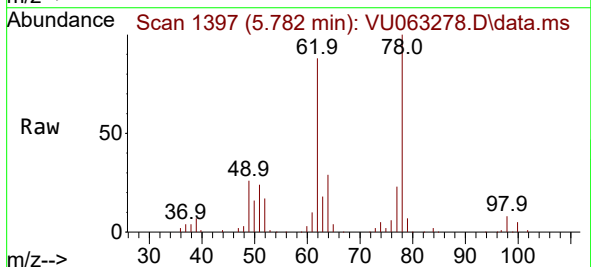
Acq: 13 Mar 2025 10:15

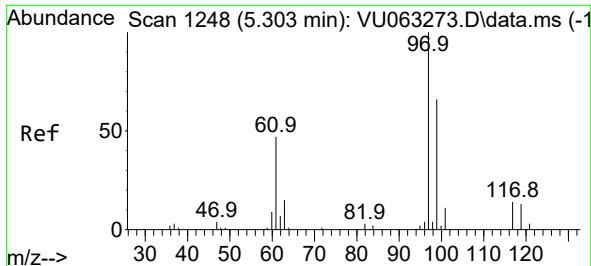
Tgt Ion: 62 Resp: 96302

Ion Ratio Lower Upper

62 100

98 9.5 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 5.01 ug/L

RT: 5.303 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

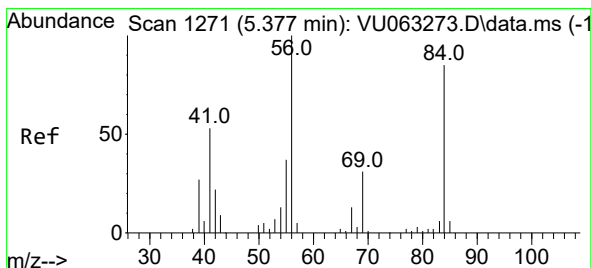
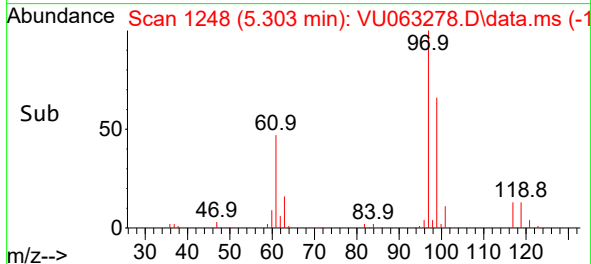
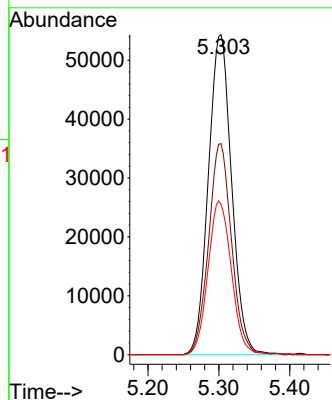
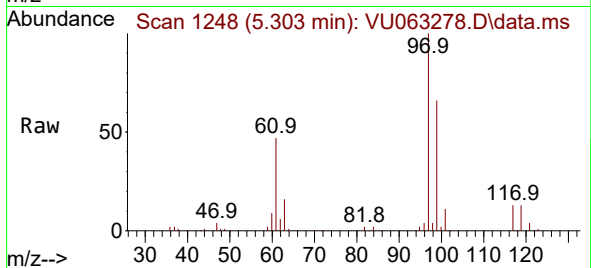
Tgt Ion: 97 Resp: 124039

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

61 47.9 38.0 57.0



#30

Cyclohexane

Concen: 5.52 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

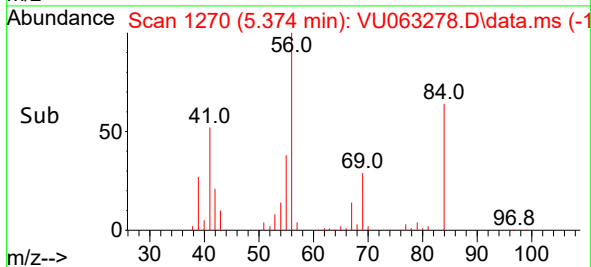
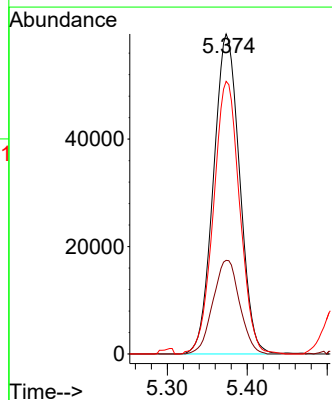
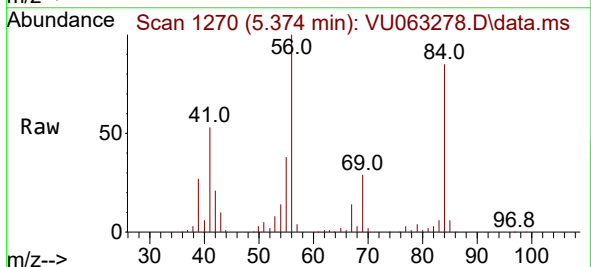
Tgt Ion: 56 Resp: 135040

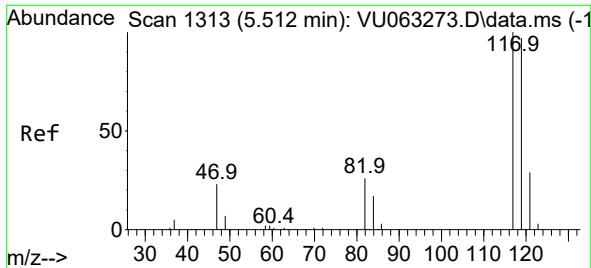
Ion Ratio Lower Upper

56 100

69 29.9 25.1 37.7

84 85.5 68.1 102.1

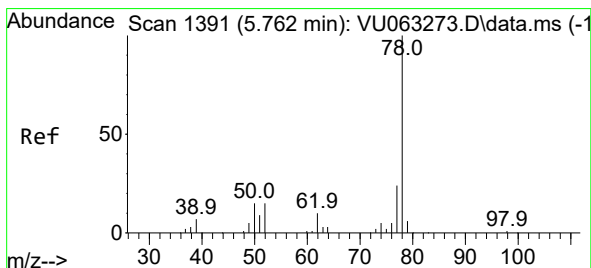
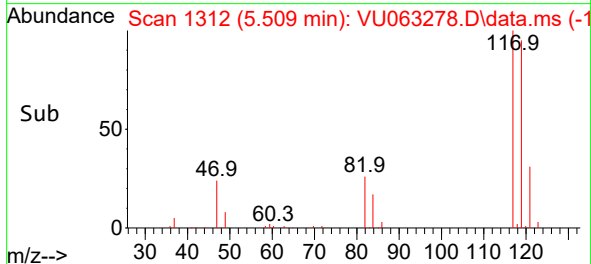
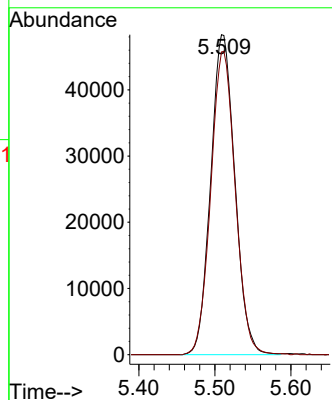
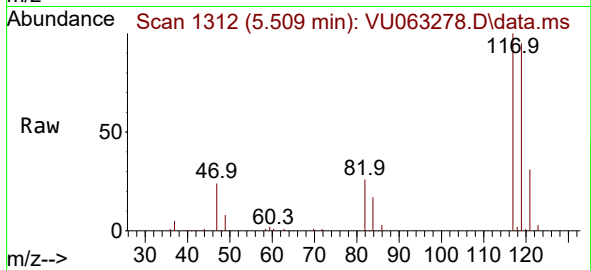




#31
Carbon tetrachloride
Concen: 5.09 ug/L
RT: 5.509 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

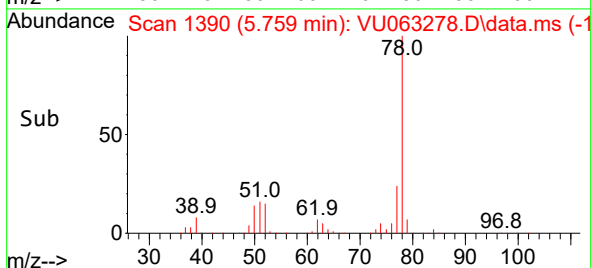
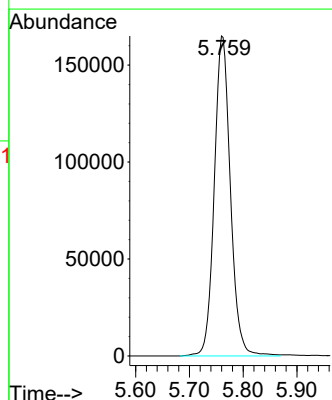
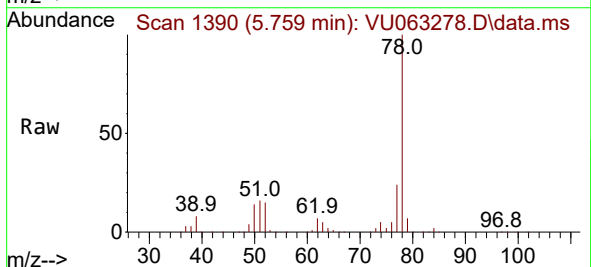
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

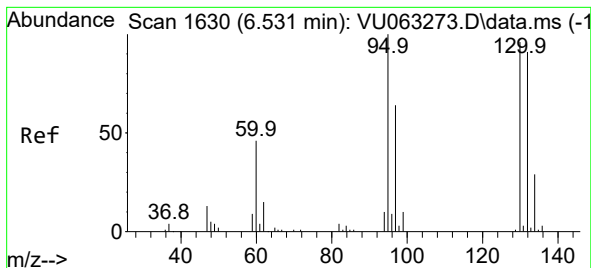
Tgt Ion:117 Resp: 106707
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



#33
Benzene
Concen: 5.01 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion: 78 Resp: 344243





#34

Trichloroethene

Concen: 5.02 ug/L

RT: 6.531 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

Tgt Ion: 95 Resp: 86650

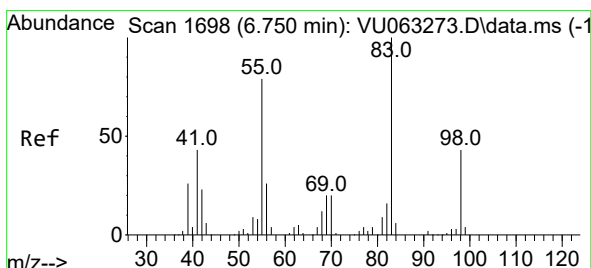
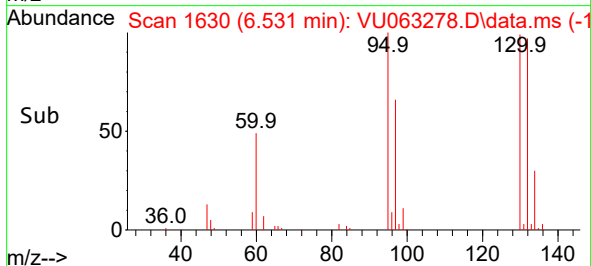
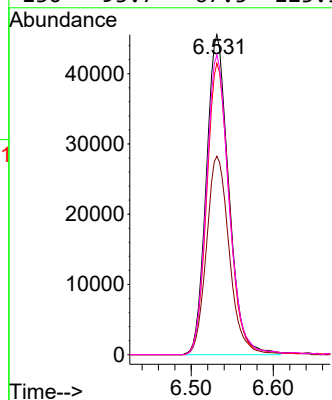
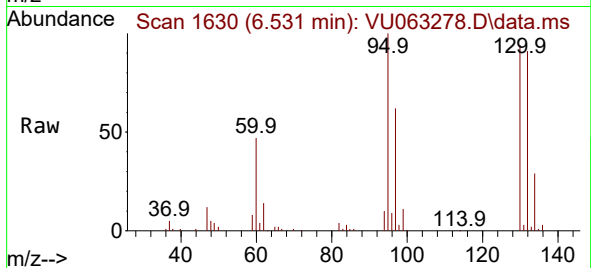
Ion Ratio Lower Upper

95 100

97 62.0 45.0 83.6

132 91.0 64.0 119.0

130 93.7 67.5 125.3



#35

Methylcyclohexane

Concen: 5.23 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

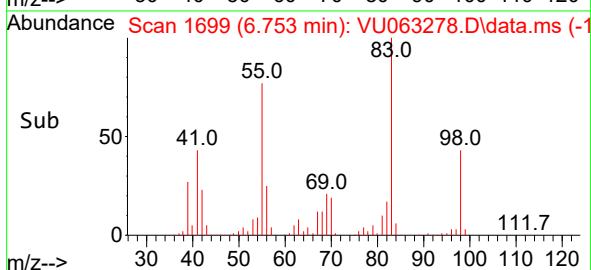
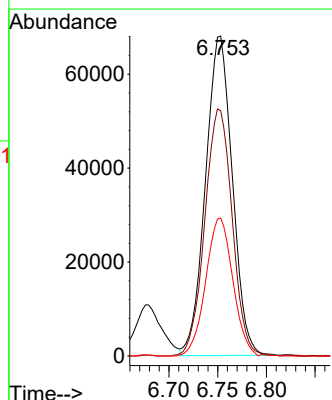
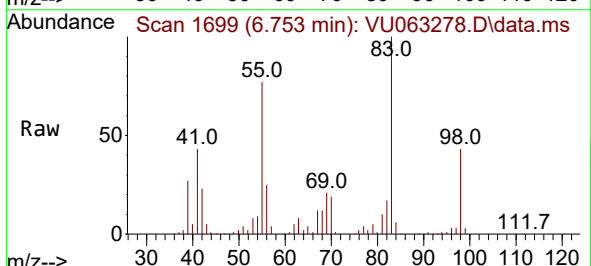
Tgt Ion: 83 Resp: 130465

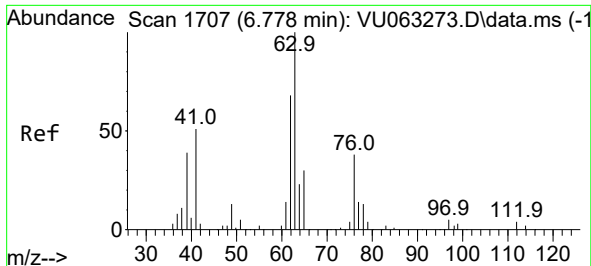
Ion Ratio Lower Upper

83 100

55 78.9 62.7 94.1

98 43.6 34.3 51.5





#37

1,2-Dichloropropane

Concen: 4.95 ug/L

RT: 6.779 min Scan# 1

Delta R.T. 0.001 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

Instrument :

MSVOA_U

ClientSampleId :

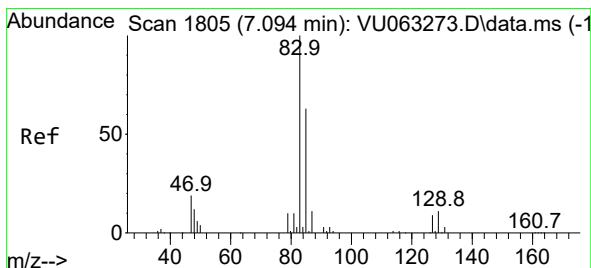
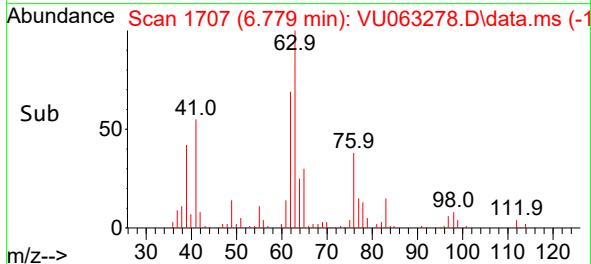
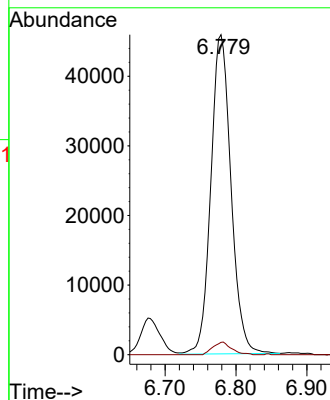
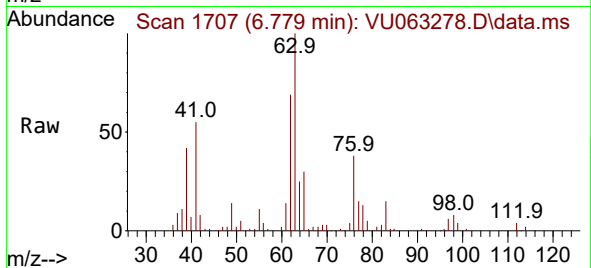
VSTD005138

Tgt Ion: 63 Resp: 90564

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.4



#38

Bromodichloromethane

Concen: 4.97 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

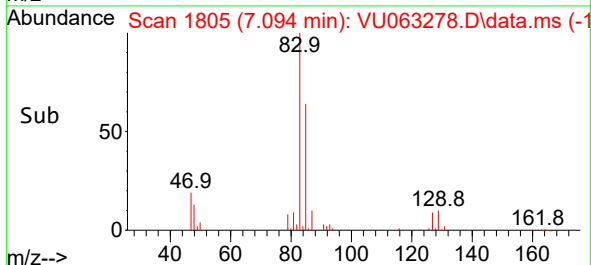
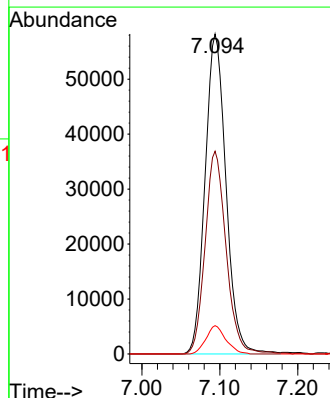
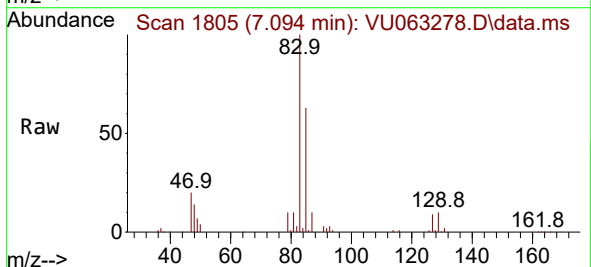
Tgt Ion: 83 Resp: 108493

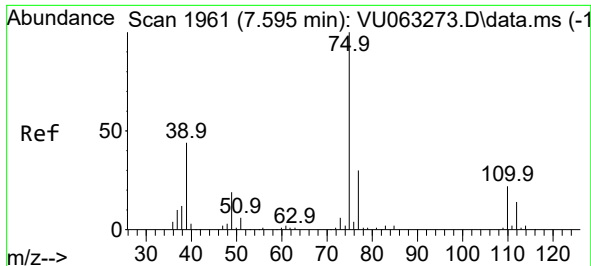
Ion Ratio Lower Upper

83 100

85 63.4 44.3 82.3

127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.89 ug/L

RT: 7.599 min Scan# 1961

Delta R.T. 0.004 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

Instrument :

MSVOA_U

ClientSampleId :

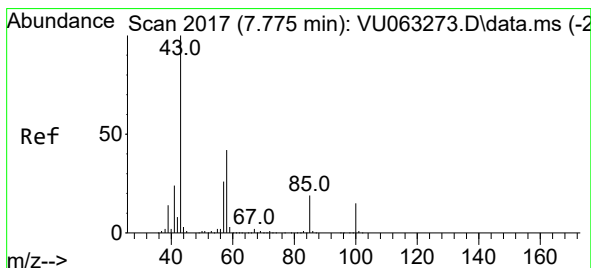
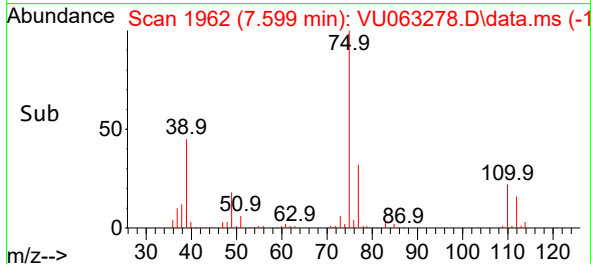
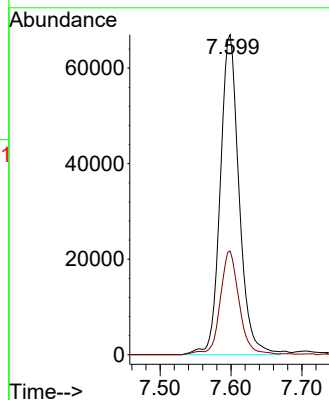
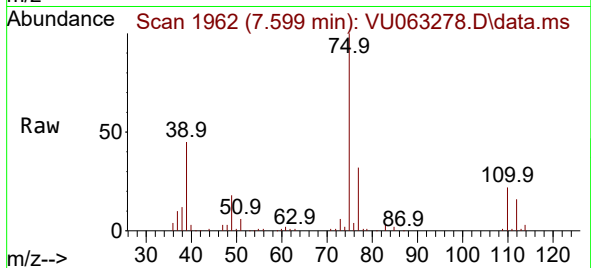
VSTD005138

Tgt Ion: 75 Resp: 123838

Ion Ratio Lower Upper

75 100

77 32.4 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 49.53 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.004 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

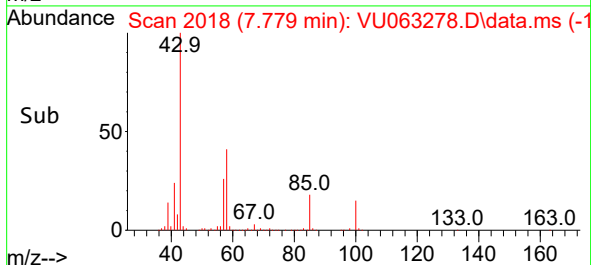
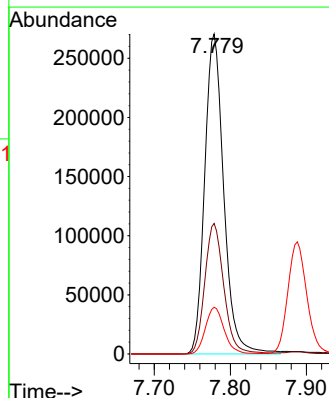
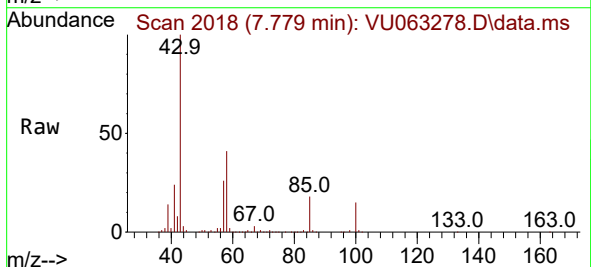
Tgt Ion: 43 Resp: 471708

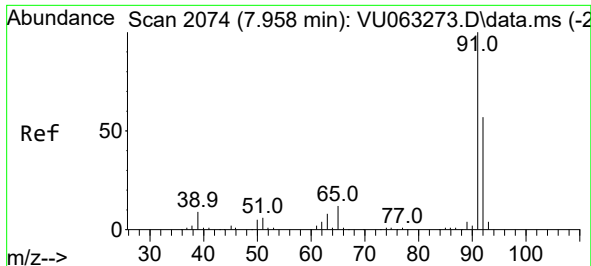
Ion Ratio Lower Upper

43 100

58 40.8 33.1 49.7

100 14.4 11.9 17.9

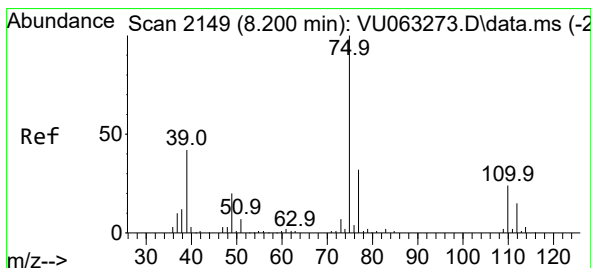
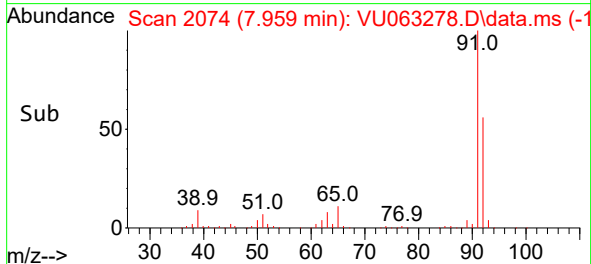
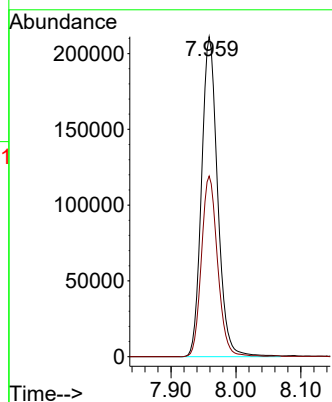
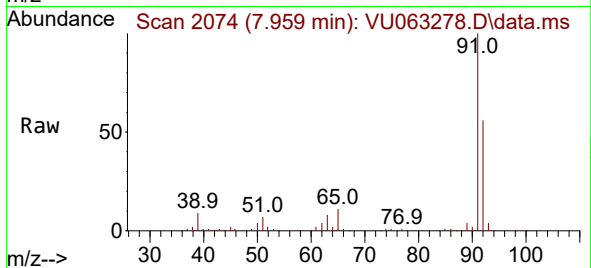




#42
Toluene
Concen: 5.20 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. 0.001 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

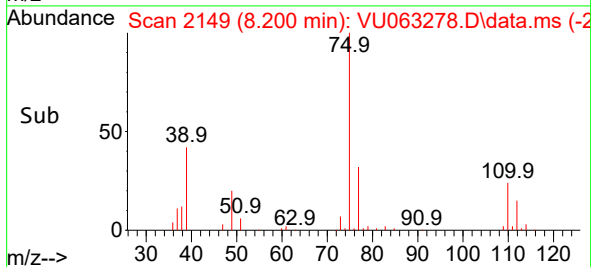
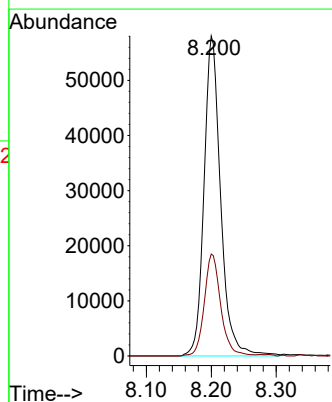
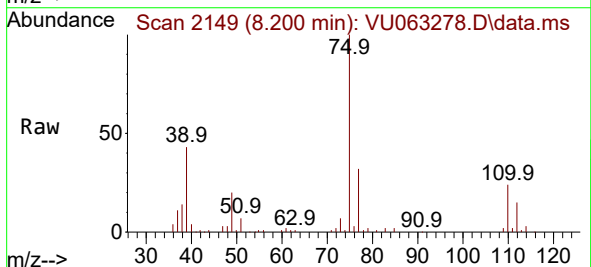
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

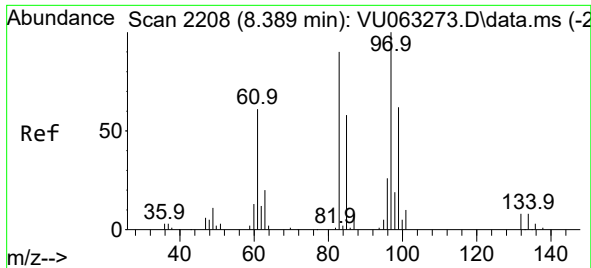
Tgt Ion: 91 Resp: 364358
Ion Ratio Lower Upper
91 100
92 56.5 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 4.97 ug/L
RT: 8.200 min Scan# 2149
Delta R.T. -0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion: 75 Resp: 103530
Ion Ratio Lower Upper
75 100
77 31.8 22.1 41.1

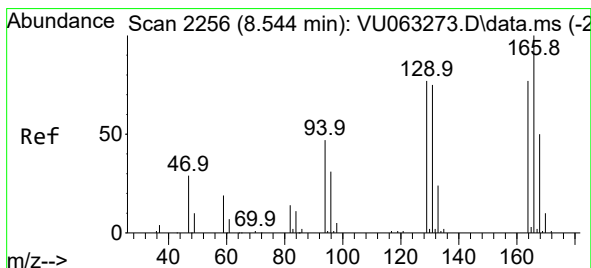
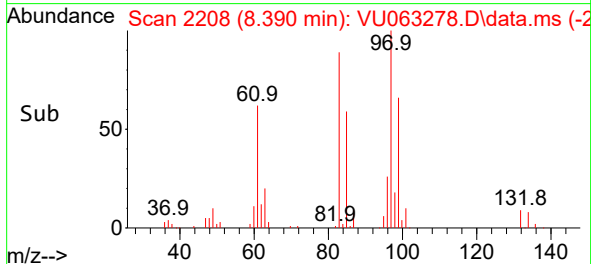
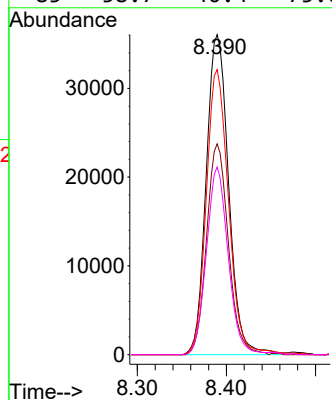
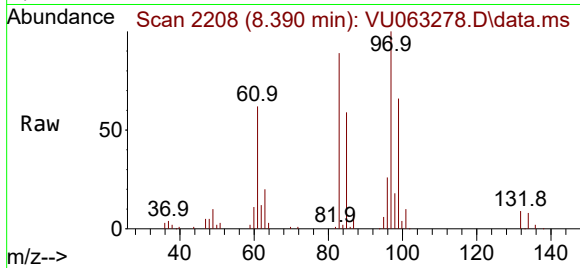




#45
1,1,2-Trichloroethane
Concen: 4.84 ug/L
RT: 8.390 min Scan# 2208
Delta R.T. 0.001 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

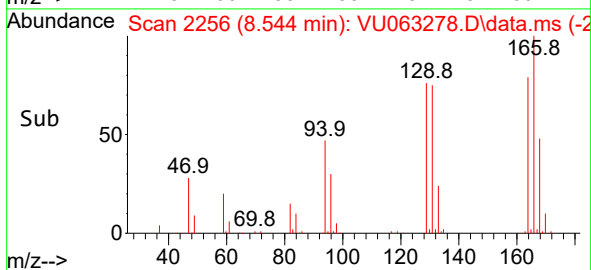
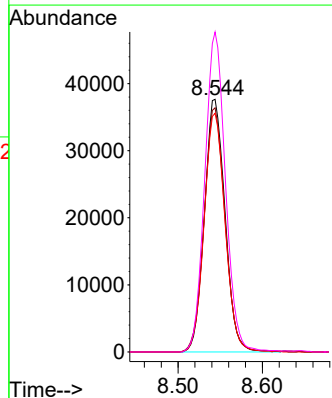
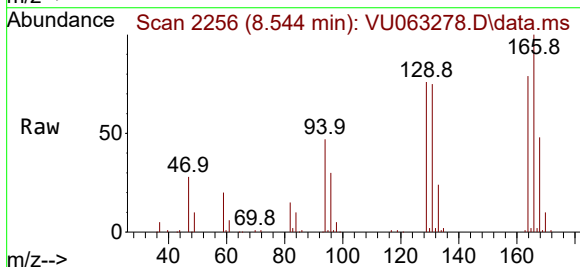
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

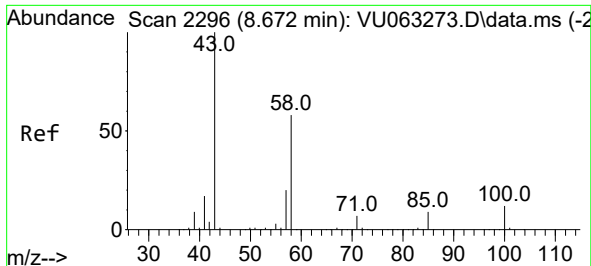
Tgt Ion:	97	Resp:	63048
Ion	Ratio	Lower	Upper
97	100		
99	65.9	43.2	80.2
83	89.1	63.0	117.0
85	58.7	40.4	75.0



#47
Tetrachloroethene
Concen: 5.15 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion:	164	Resp:	64277
Ion	Ratio	Lower	Upper
164	100		
129	96.7	69.6	129.2
131	94.5	67.9	126.1
166	126.7	90.8	168.6



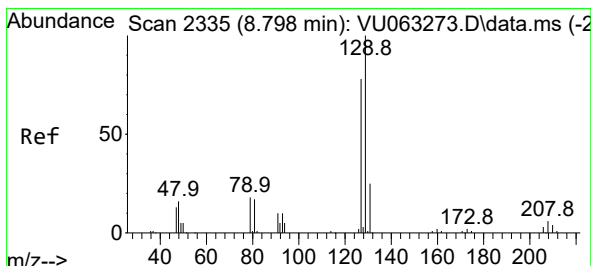
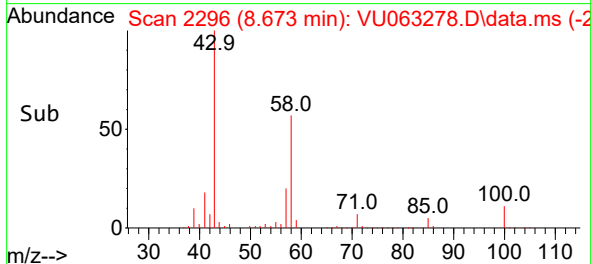
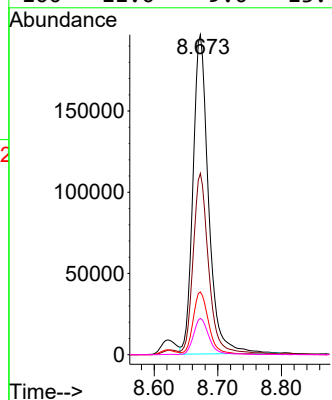
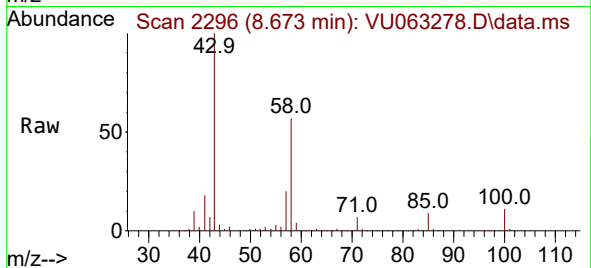


#48
2-Hexanone
Concen: 50.21 ug/L
RT: 8.673 min Scan# 2296
Delta R.T. 0.001 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

Tgt Ion: 43 Resp: 334145

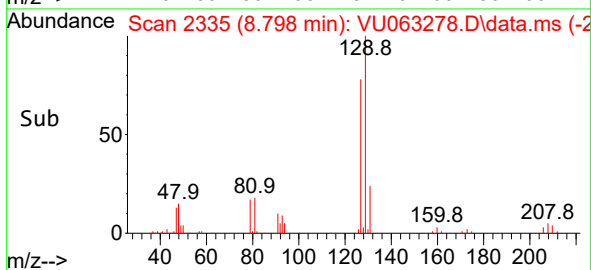
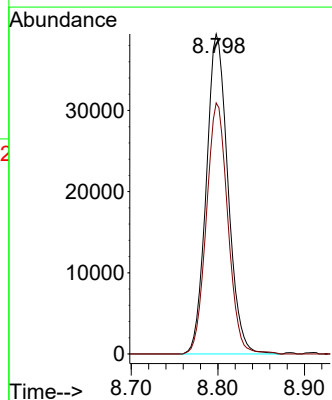
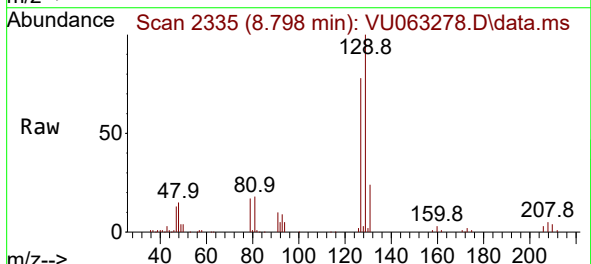
Ion	Ratio	Lower	Upper
43	100		
58	56.7	45.8	68.8
57	19.2	15.5	23.3
100	11.0	9.0	13.4

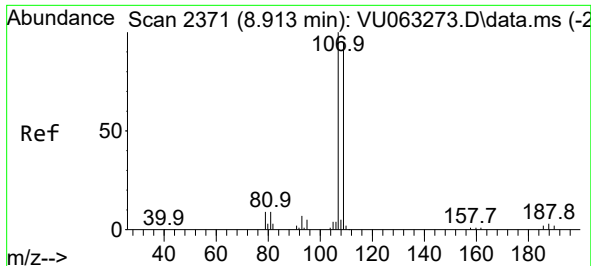


#49
Dibromochloromethane
Concen: 4.94 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion: 129 Resp: 68410

Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.9	102.1

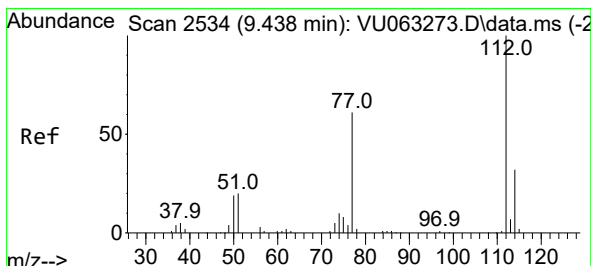
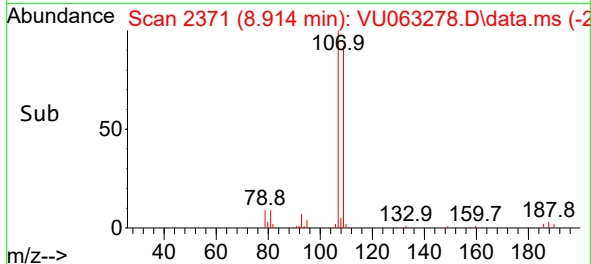
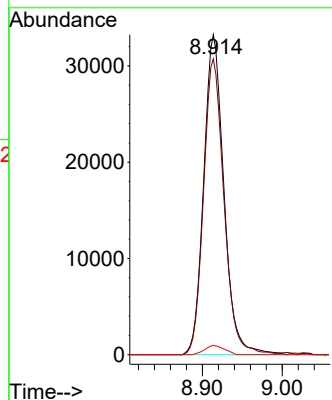
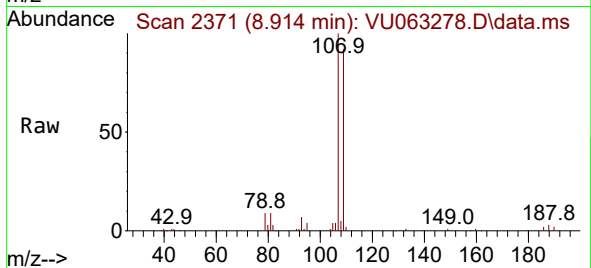




#50
1,2-Dibromoethane
Concen: 4.91 ug/L
RT: 8.914 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

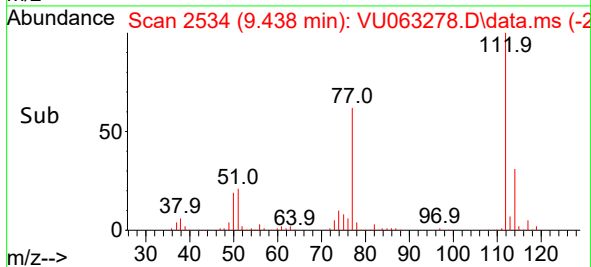
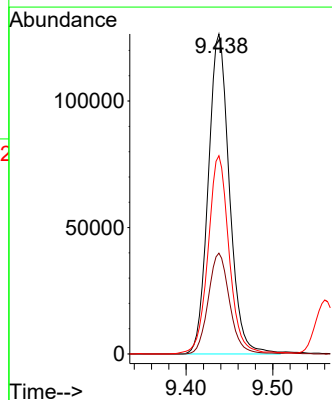
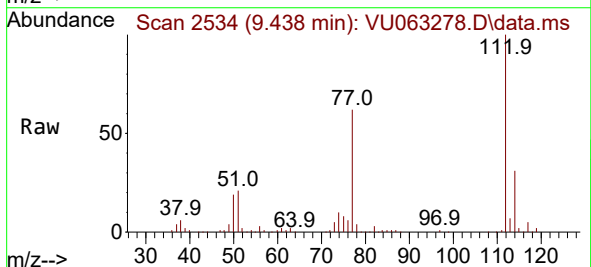
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

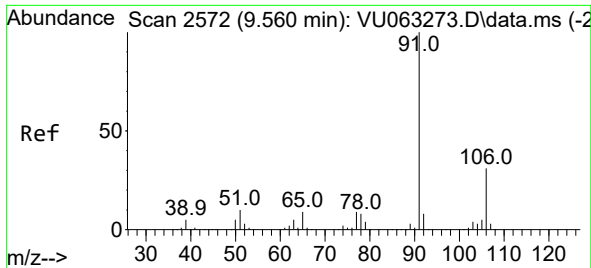
Tgt Ion:107 Resp: 58452
Ion Ratio Lower Upper
107 100
109 92.5 66.6 123.6
188 2.9 2.6 4.0



#51
Chlorobenzene
Concen: 4.95 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion:112 Resp: 214659
Ion Ratio Lower Upper
112 100
114 31.5 22.2 41.2
77 61.9 49.2 73.8

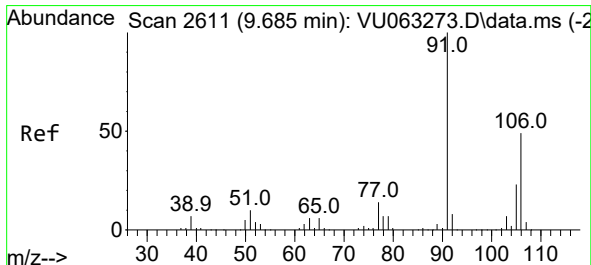
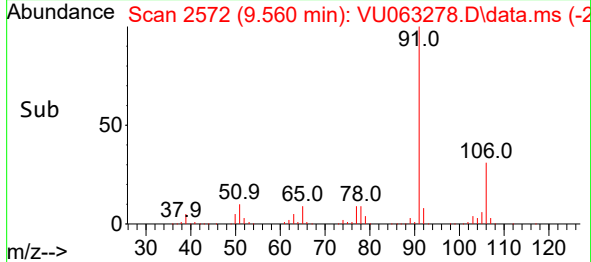
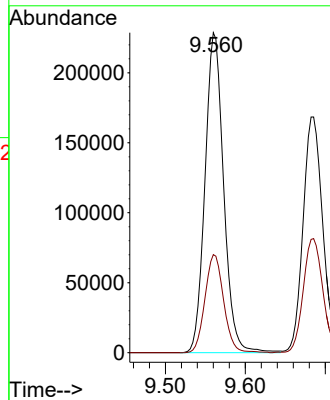
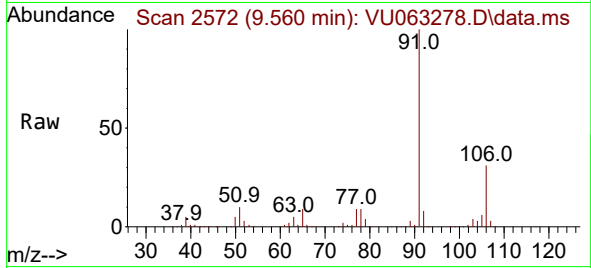




#52
Ethylbenzene
Concen: 5.07 ug/L
RT: 9.560 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

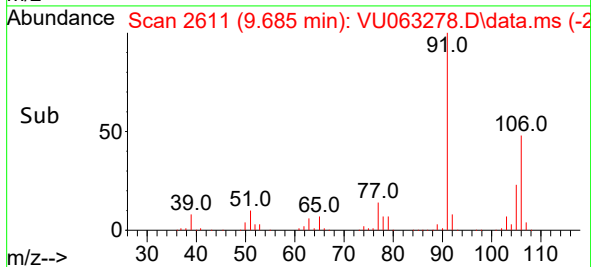
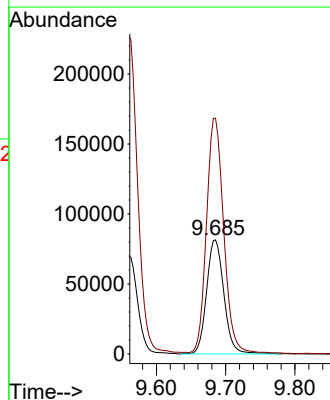
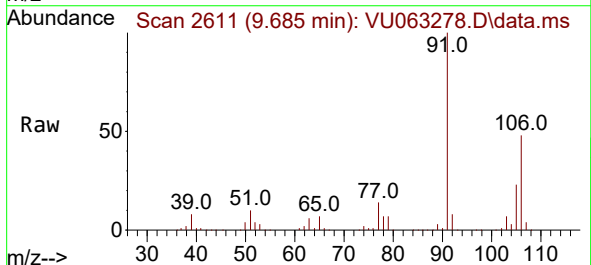
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

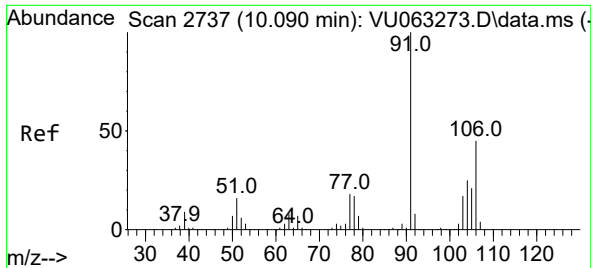
Tgt Ion: 91 Resp: 370881
Ion Ratio Lower Upper
91 100
106 30.7 21.9 40.7



#53
m,p-Xylene
Concen: 5.18 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion: 106 Resp: 141198
Ion Ratio Lower Upper
106 100
91 206.7 143.3 266.1

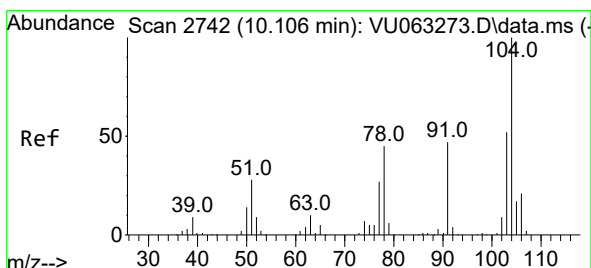
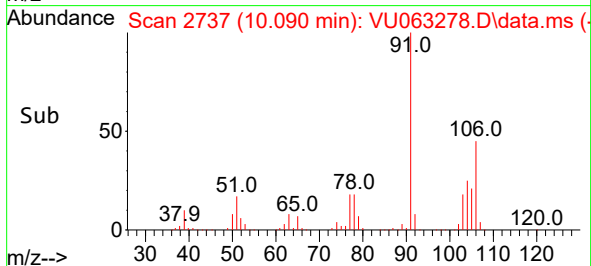
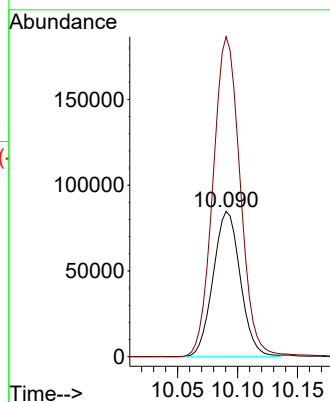
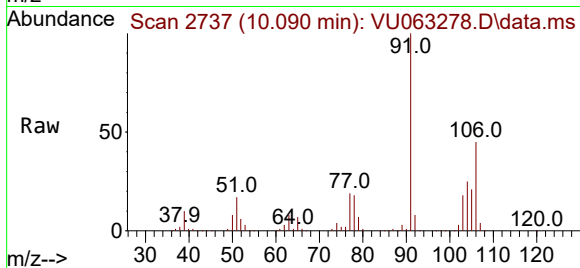




#54
o-Xylene
Concen: 5.11 ug/L
RT: 10.090 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

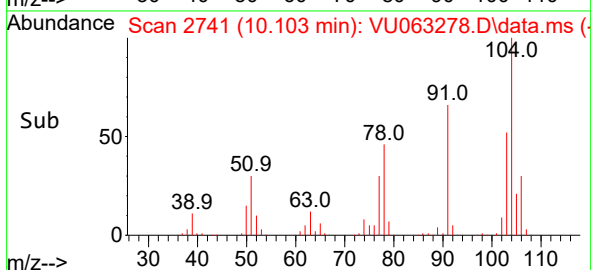
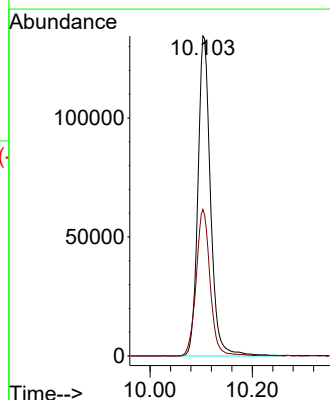
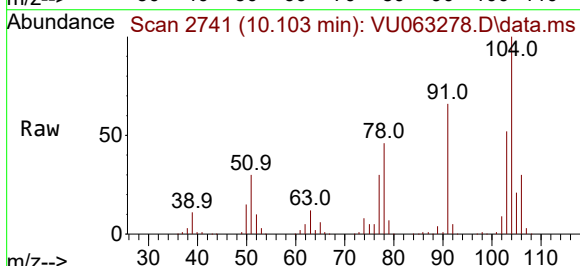
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

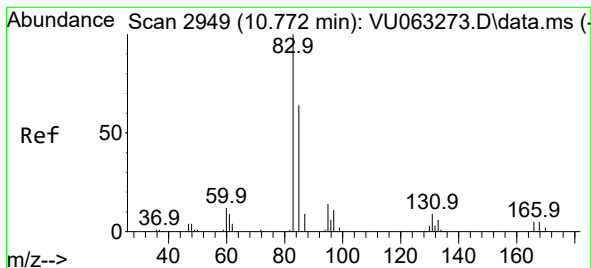
Tgt Ion:106 Resp: 133609
Ion Ratio Lower Upper
106 100
91 220.3 155.5 288.9



#55
Styrene
Concen: 5.38 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion:104 Resp: 230940
Ion Ratio Lower Upper
104 100
78 45.8 31.6 58.6

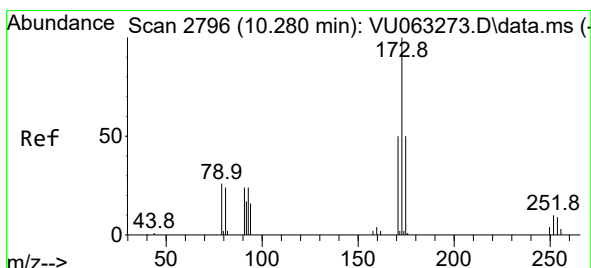
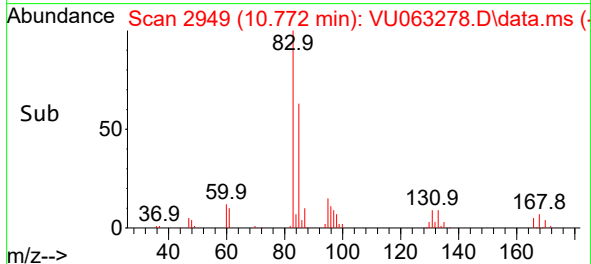
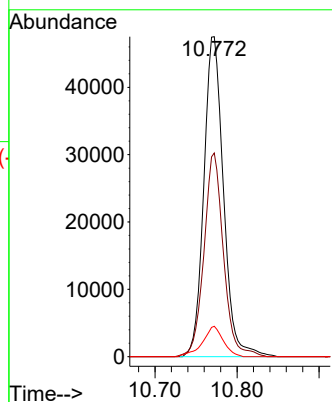
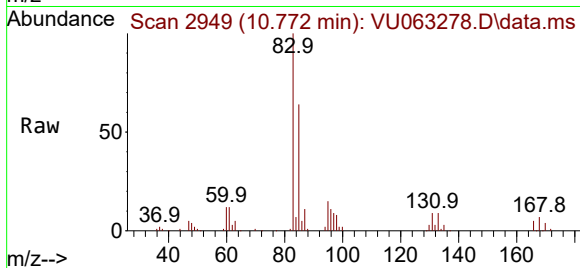




#57
1,1,2,2-Tetrachloroethane
Concen: 4.81 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

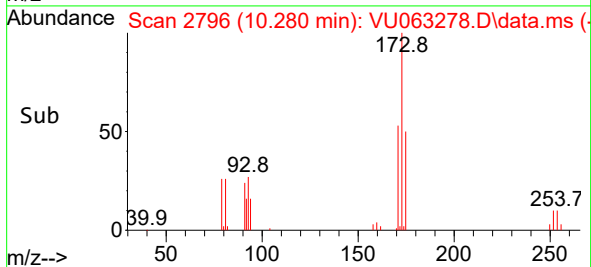
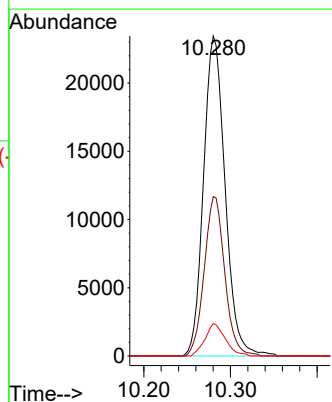
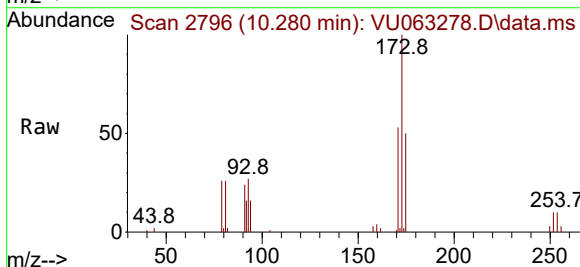
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

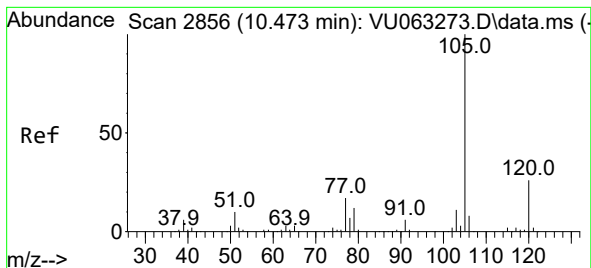
Tgt Ion: 83 Resp: 79052
Ion Ratio Lower Upper
83 100
85 63.7 44.9 83.5
131 9.5 7.2 10.8



#59
Bromoform
Concen: 4.77 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion: 173 Resp: 40540
Ion Ratio Lower Upper
173 100
175 47.2 39.4 59.0
254 9.5 7.2 10.8





#60

Isopropylbenzene

Concen: 5.14 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

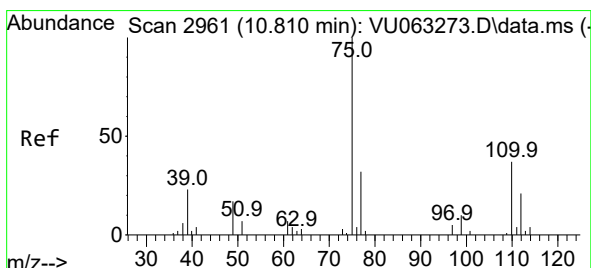
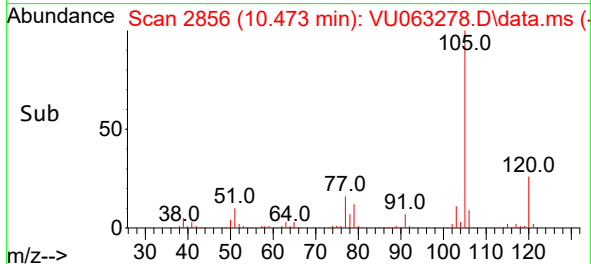
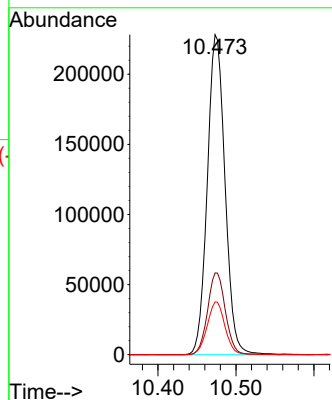
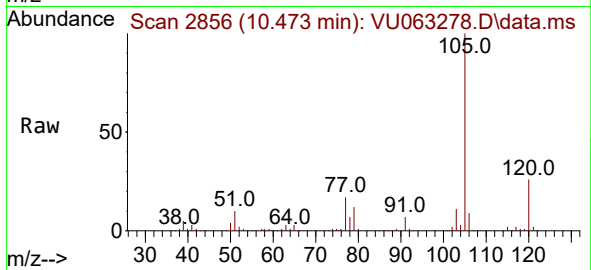
Tgt Ion:105 Resp: 359848

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 16.7 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.64 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. 0.001 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

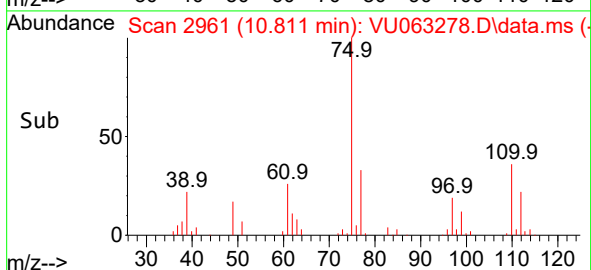
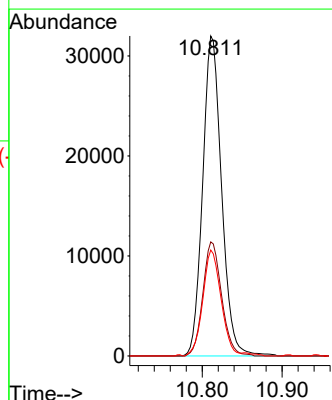
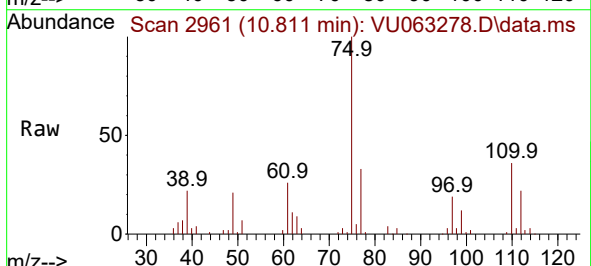
Tgt Ion: 75 Resp: 52761

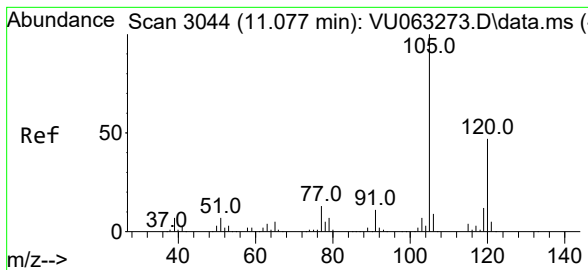
Ion Ratio Lower Upper

75 100

110 35.3 29.3 43.9

77 31.8 25.8 38.8

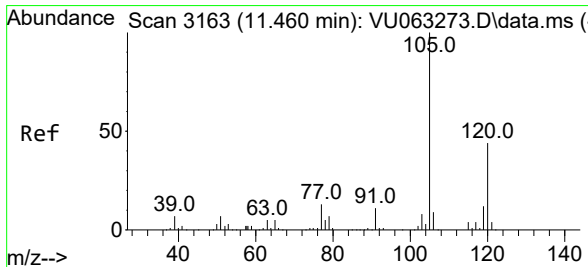
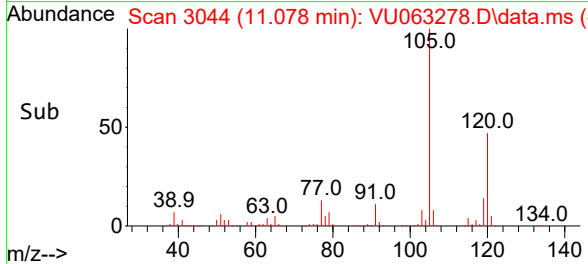
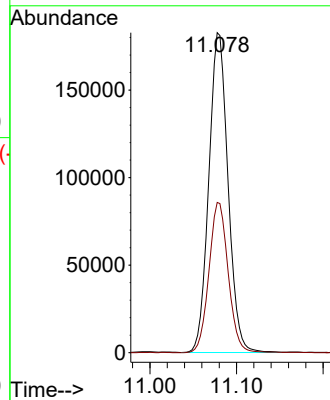
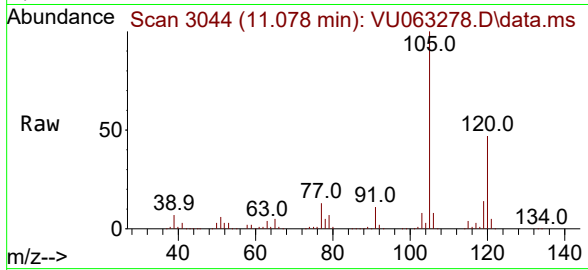




#62
1,3,5-Trimethylbenzene
Concen: 5.17 ug/L
RT: 11.078 min Scan# 3044
Delta R.T. 0.001 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

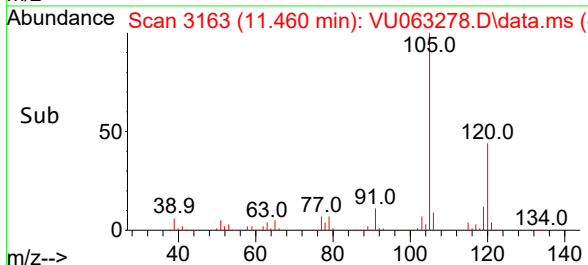
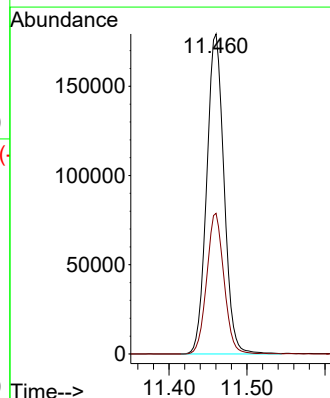
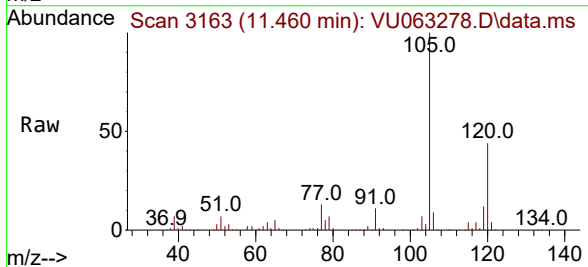
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

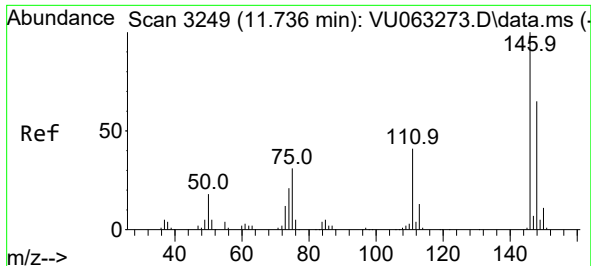
Tgt Ion:105 Resp: 281478
Ion Ratio Lower Upper
105 100
120 47.2 37.5 56.3



#63
1,2,4-Trimethylbenzene
Concen: 5.42 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion:105 Resp: 277382
Ion Ratio Lower Upper
105 100
120 43.6 35.1 52.7

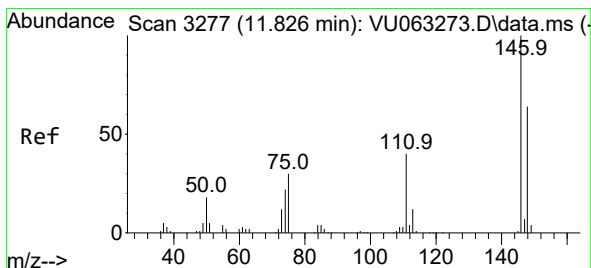
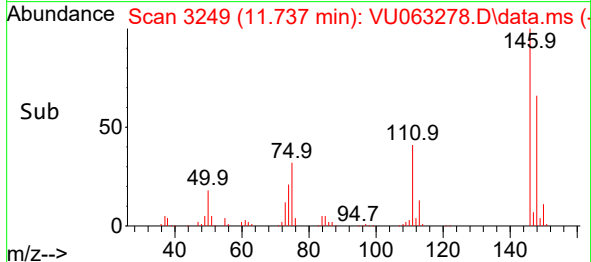
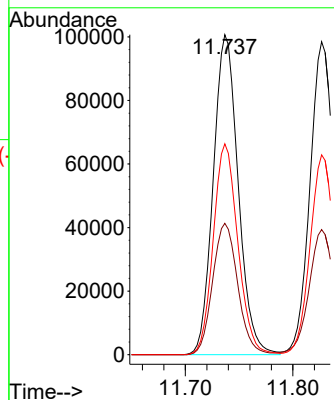
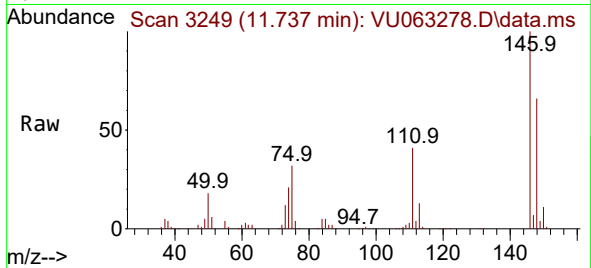




#64
1,3-Dichlorobenzene
Concen: 4.98 ug/L
RT: 11.737 min Scan# 31
Delta R.T. 0.001 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

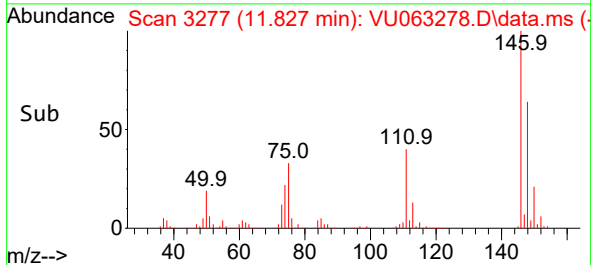
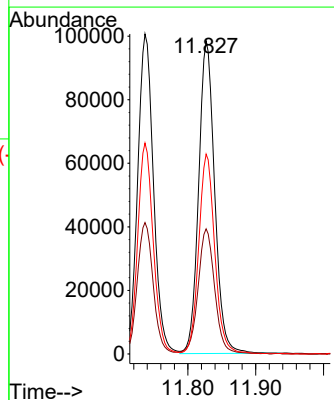
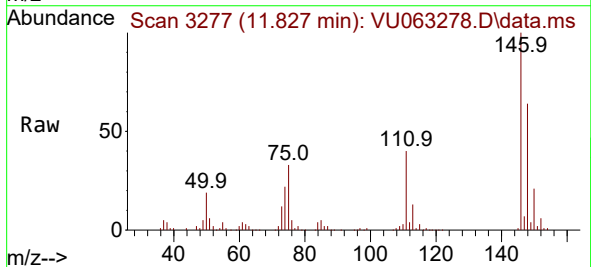
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

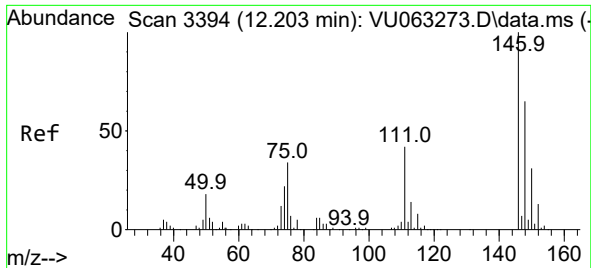
Tgt Ion:146 Resp: 162381
Ion Ratio Lower Upper
146 100
111 41.0 28.5 52.9
148 65.9 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 4.98 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.001 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion:146 Resp: 161619
Ion Ratio Lower Upper
146 100
111 40.0 28.3 52.5
148 63.9 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.00 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

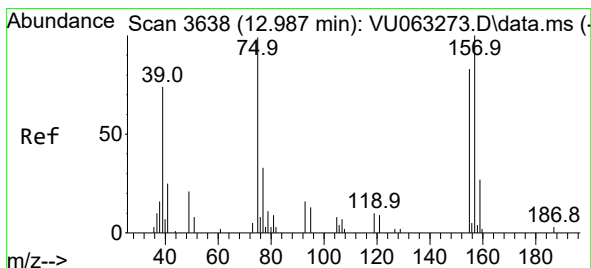
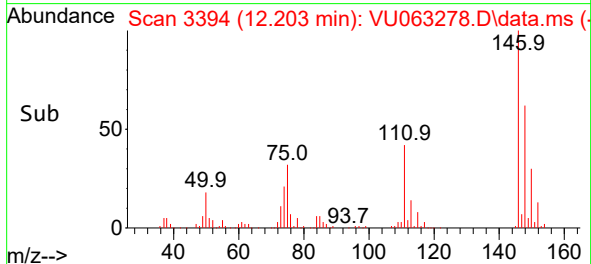
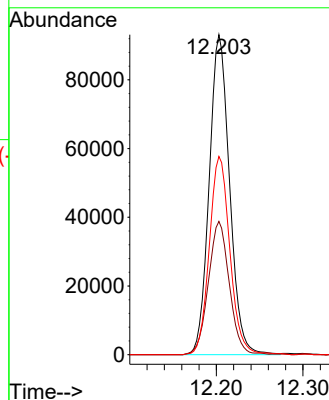
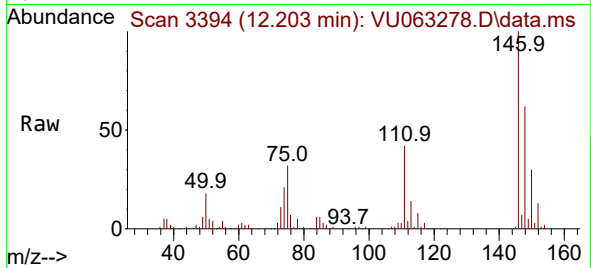
Tgt Ion:146 Resp: 152312

Ion Ratio Lower Upper

146 100

111 41.6 33.9 50.9

148 61.9 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.27 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063278.D

Acq: 13 Mar 2025 10:15

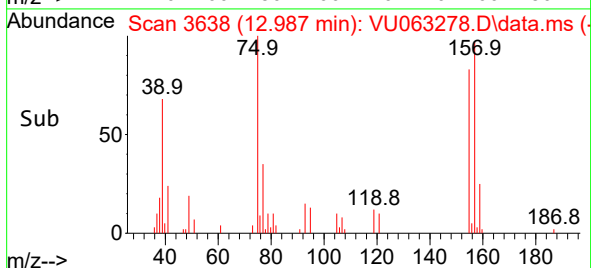
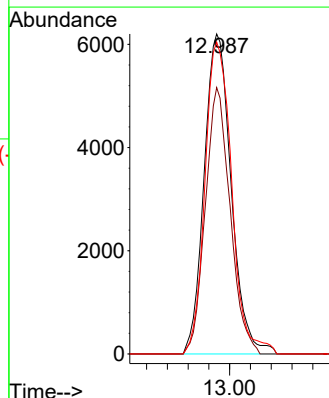
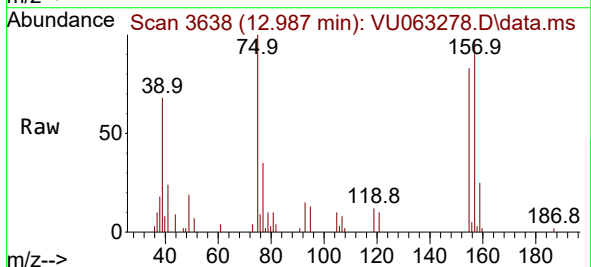
Tgt Ion: 75 Resp: 11191

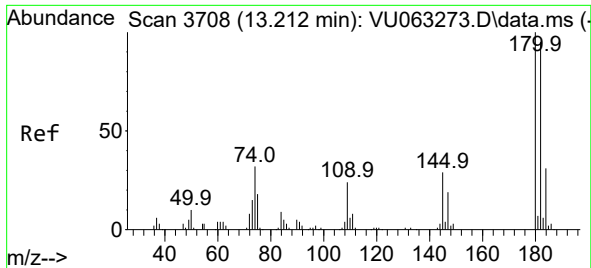
Ion Ratio Lower Upper

75 100

155 83.2 67.0 100.6

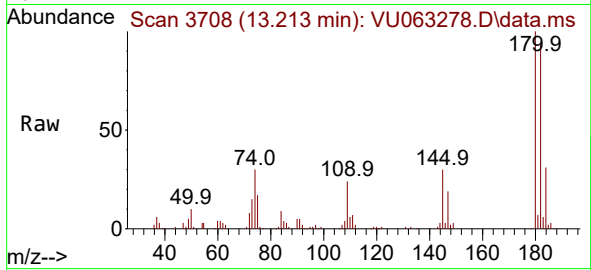
157 97.5 80.9 121.3



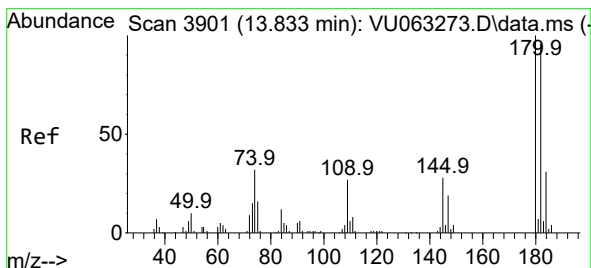
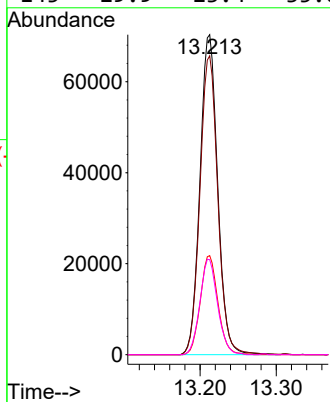
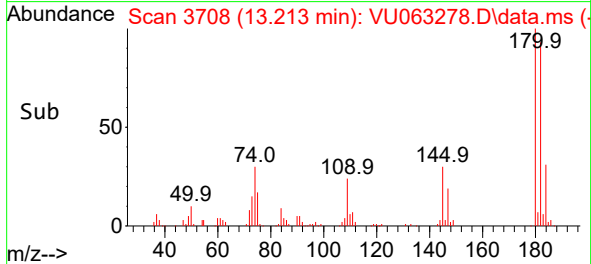


#69
 1,3,5-Trichlorobenzene
 Concen: 5.06 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: VU063278.D
 Acq: 13 Mar 2025 10:15

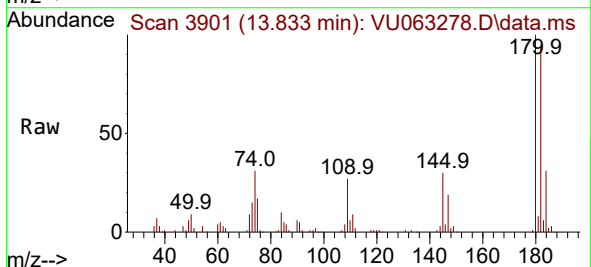
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138



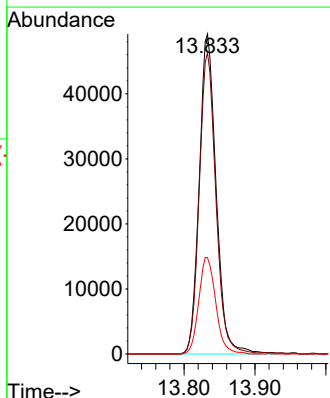
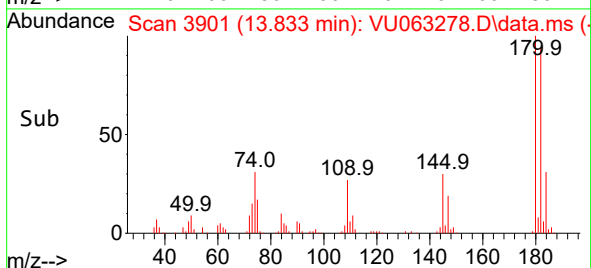
Tgt Ion:180 Resp: 113919
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.6 116.4
 184 30.8 24.7 37.1
 145 29.9 23.4 35.0

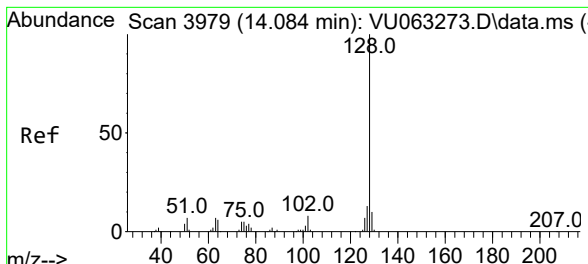


#70
 1,2,4-trichlorobenzene
 Concen: 5.06 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU063278.D
 Acq: 13 Mar 2025 10:15



Tgt Ion:180 Resp: 81425
 Ion Ratio Lower Upper
 180 100
 182 92.6 75.8 113.8
 145 30.3 23.8 35.8

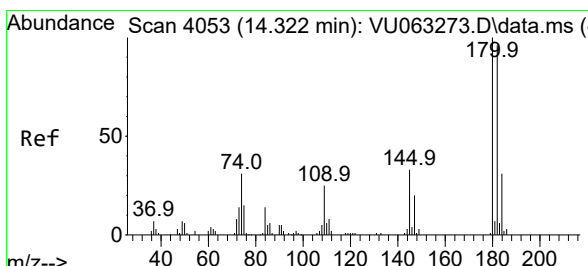
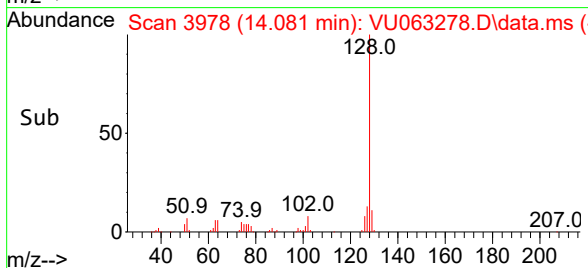
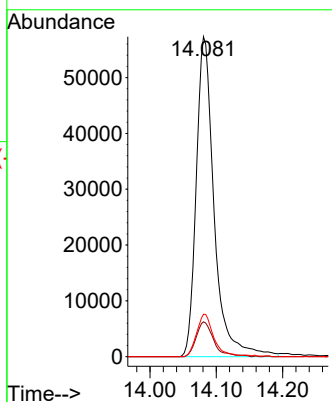
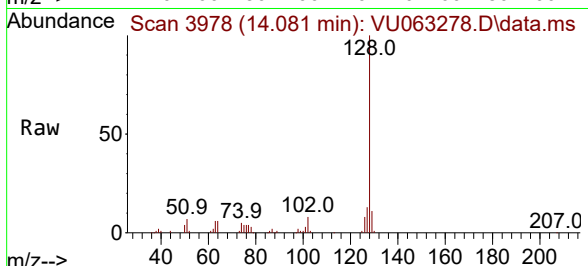




#71
Naphthalene
Concen: 4.99 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

Tgt Ion:	128	Resp:	107444
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.1	12.1
127	12.6	10.8	16.2



#72
1,2,3-Trichlorobenzene
Concen: 5.16 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU063278.D
Acq: 13 Mar 2025 10:15

Tgt Ion:	180	Resp:	71242
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.7	115.1
145	31.4	25.5	38.3

