

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031825\
 Data File : VU063302.D
 Acq On : 18 Mar 2025 15:03
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050105

Quant Time: Mar 24 12:34:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 24 12:29:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	264856	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	257504	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	132537	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.592	65	106554	48.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.34%
7) Chloroethane-d5	1.895	69	89102	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.554	63	196002	50.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.14%
21) 2-Butanone-d5	4.608	46	158485	99.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.22%
24) Chloroform-d	5.049	84	209350	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
26) 1,2-Dichloroethane-d4	5.689	65	129666	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
32) Benzene-d6	5.714	84	415754	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
36) 1,2-Dichloropropane-d6	6.679	67	132066	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.50%
41) Toluene-d8	7.888	98	383090	53.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.68%
43) trans-1,3-Dichloroprop...	8.171	79	62270	53.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.00%
47) 2-Hexanone-d5	8.624	63	105122	105.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.45%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	203293	51.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.02%
66) 1,2-Dichlorobenzene-d4	12.187	152	137118	51.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.380	85	125842	56.73	ug/L	99
3) Chloromethane	1.518	50	130428	52.42	ug/L	99
5) Vinyl chloride	1.599	62	135990	53.64	ug/L	98
6) Bromomethane	1.833	94	74722	52.47	ug/L	98
8) Chloroethane	1.917	64	82170	53.06	ug/L	99
9) Trichlorofluoromethane	2.126	101	160896	54.94	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	104812	58.54	ug/L	99
12) 1,1-Dichloroethene	2.567	96	96288	56.15	ug/L	94
13) Acetone	2.611	43	152371	140.48	ug/L	100
14) Carbon disulfide	2.779	76	293148	53.65	ug/L	98
15) Methyl Acetate	2.936	43	124243	52.28	ug/L #	100
16) Methylene chloride	3.030	84	115808	55.03	ug/L	95
17) trans-1,2-Dichloroethene	3.338	96	102603	56.53	ug/L	96
18) Methyl tert-butyl Ether	3.351	73	316648	54.59	ug/L	99
19) 1,1-Dichloroethane	3.853	63	200160	53.83	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	117285	56.30	ug/L	99
22) 2-Butanone	4.689	43	185797	118.01	ug/L	97
23) Bromochloromethane	4.959	128	58541	54.81	ug/L	97
25) Chloroform	5.071	83	205540	54.91	ug/L	99

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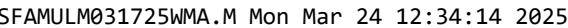
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 ClientSampleId :
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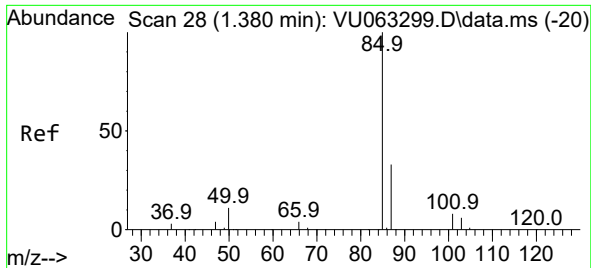
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	160378	54.56	ug/L	100
29) Cyclohexane	5.373	56	173188	57.88	ug/L	100
30) 1,1,1-Trichloroethane	5.303	97	165561	55.10	ug/L	99
31) Carbon tetrachloride	5.512	117	141783	56.65	ug/L	99
33) Benzene	5.763	78	460055	56.66	ug/L	100
34) Trichloroethene	6.531	95	117242	56.66	ug/L	97
35) Methylcyclohexane	6.753	83	179512	60.77	ug/L	98
37) 1,2-Dichloropropane	6.779	63	123077	54.08	ug/L	100
38) Bromodichloromethane	7.094	83	152538	54.51	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	182863	54.85	ug/L	97
40) 4-Methyl-2-pentanone	7.779	43	328165	110.88	ug/L	100
42) Toluene	7.959	91	493394	58.74	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	178405	57.92	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	117728	54.49	ug/L	98
46) Tetrachloroethene	8.544	164	87693	60.05	ug/L	98
48) 2-Hexanone	8.672	43	265787	117.79	ug/L	98
49) Dibromochloromethane	8.801	129	115511	55.11	ug/L	99
50) 1,2-Dibromoethane	8.914	107	124174	55.04	ug/L	98
51) Chlorobenzene	9.438	112	302899	57.27	ug/L	99
52) Ethylbenzene	9.563	91	521582	59.33	ug/L	99
53) m,p-Xylene	9.685	106	195018	60.06	ug/L	97
54) o-Xylene	10.090	106	188768	59.64	ug/L	99
55) Styrene	10.106	104	329966	63.14	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	207703	55.29	ug/L	97
59) Bromoform	10.280	173	92554	52.95	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	156868	51.00	ug/L	99
61) Isopropylbenzene	10.476	105	497828	57.27	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	405108	59.06	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	387784	58.95	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	232043	56.56	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	227703	54.63	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	235011	56.82	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	41562	51.79	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	154680	56.03	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	117611	55.10	ug/L	100
71) Naphthalene	14.081	128	381412	64.94	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	115566	55.40	ug/L	99

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

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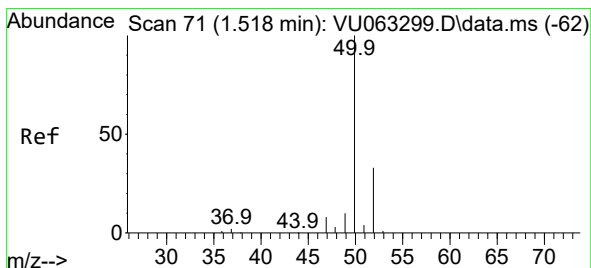
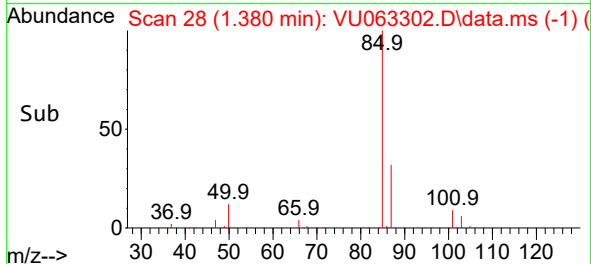
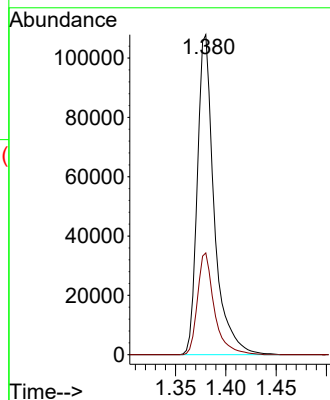
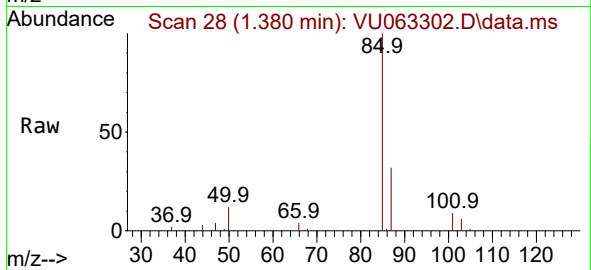




#2
Dichlorodifluoromethane
Concen: 56.73 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

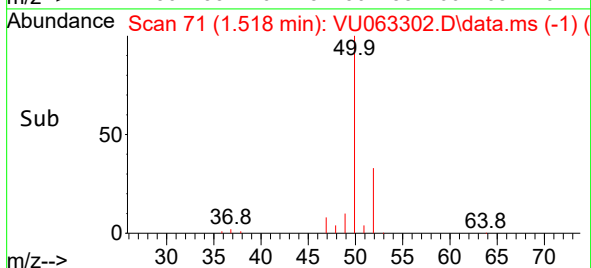
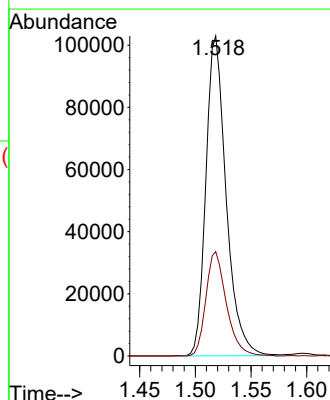
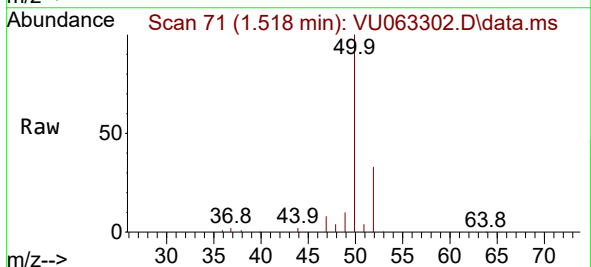
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

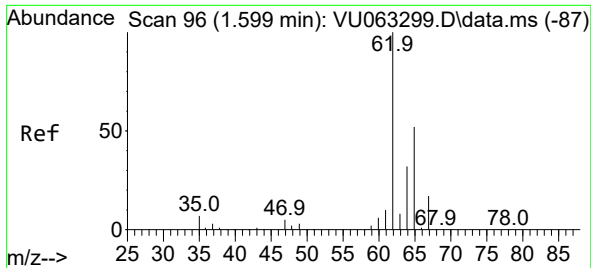
Tgt Ion: 85 Resp: 125842
Ion Ratio Lower Upper
85 100
87 31.7 25.8 38.6



#3
Chloromethane
Concen: 52.42 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion: 50 Resp: 130428
Ion Ratio Lower Upper
50 100
52 32.6 23.2 43.0

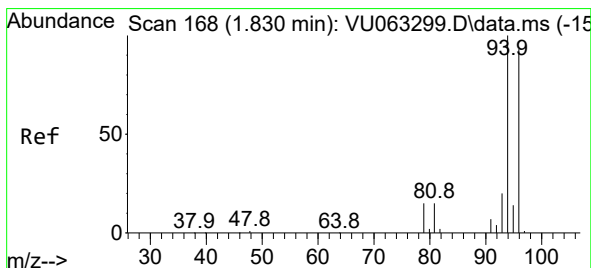
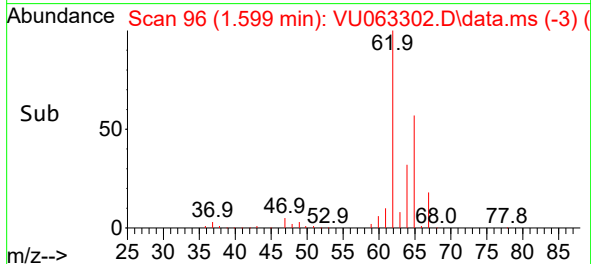
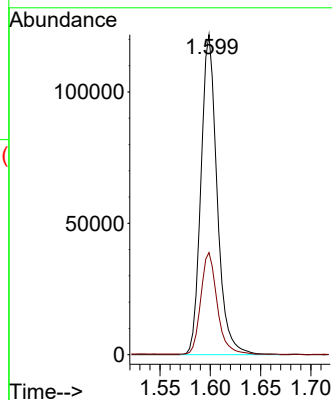
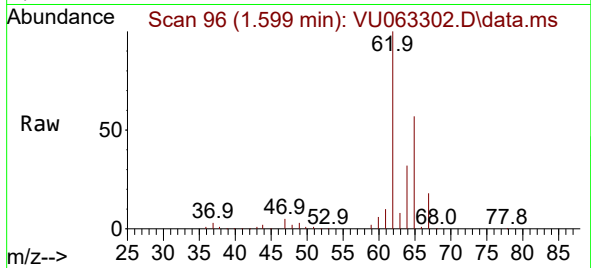




#5
 Vinyl chloride
 Concen: 53.64 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU063302.D
 Acq: 18 Mar 2025 15:03

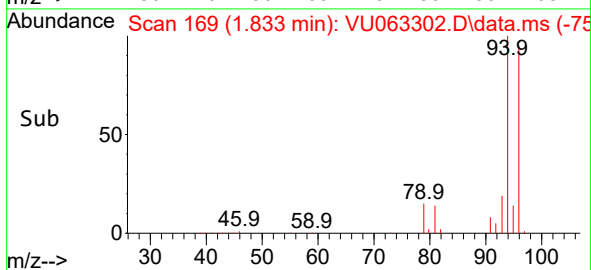
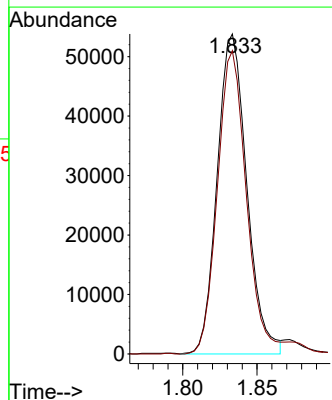
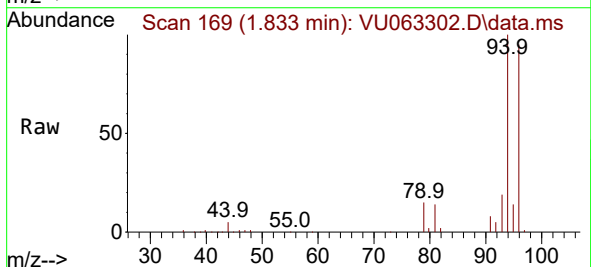
Instrument :
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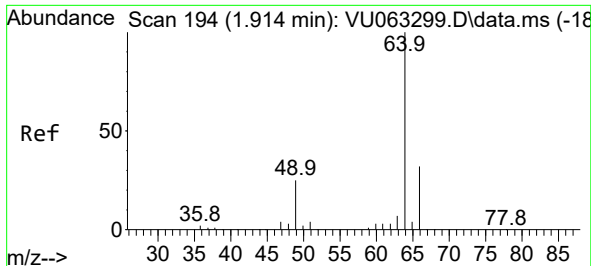
Tgt Ion: 62 Resp: 135990
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.2 43.2



#6
 Bromomethane
 Concen: 52.47 ug/L
 RT: 1.833 min Scan# 169
 Delta R.T. 0.003 min
 Lab File: VU063302.D
 Acq: 18 Mar 2025 15:03

Tgt Ion: 94 Resp: 74722
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.2 121.2

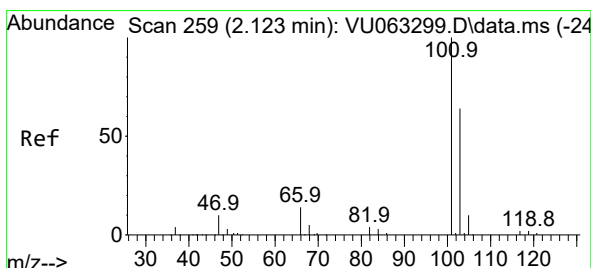
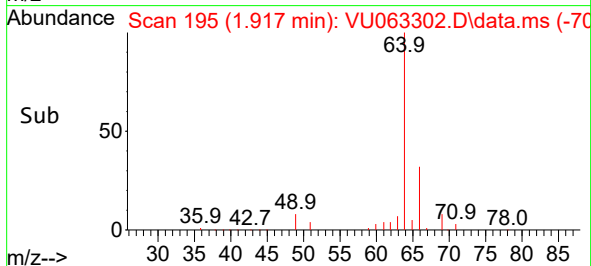
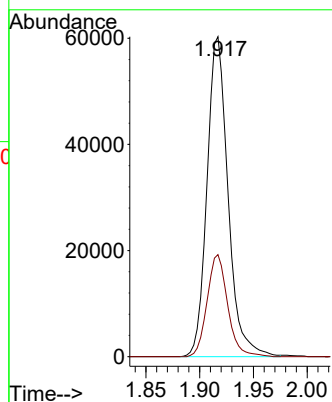
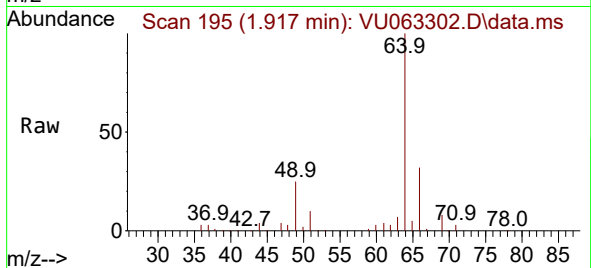




#8
Chloroethane
Concen: 53.06 ug/L
RT: 1.917 min Scan# 194
Delta R.T. 0.003 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

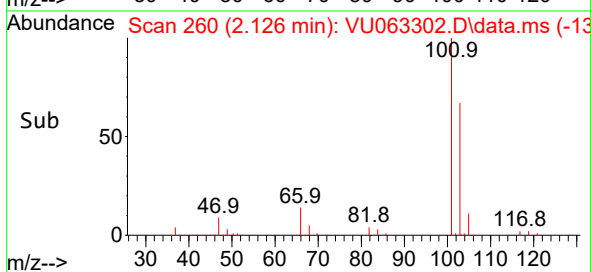
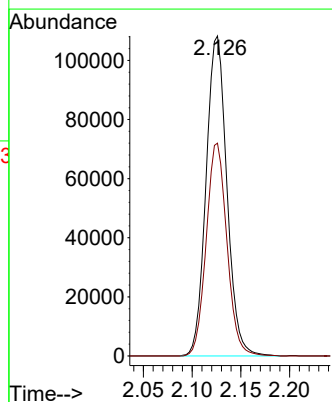
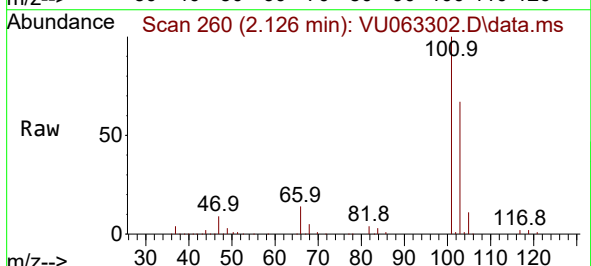
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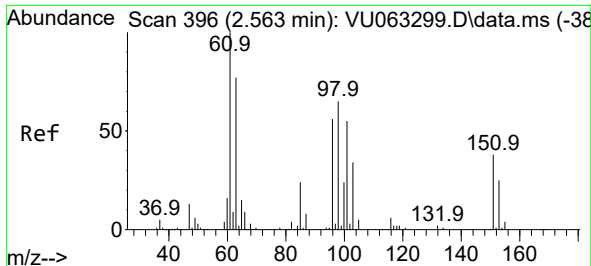
Tgt Ion: 64 Resp: 82170
Ion Ratio Lower Upper
64 100
66 31.9 22.0 41.0



#9
Trichlorofluoromethane
Concen: 54.94 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.003 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion:101 Resp: 160896
Ion Ratio Lower Upper
101 100
103 66.2 51.2 76.8

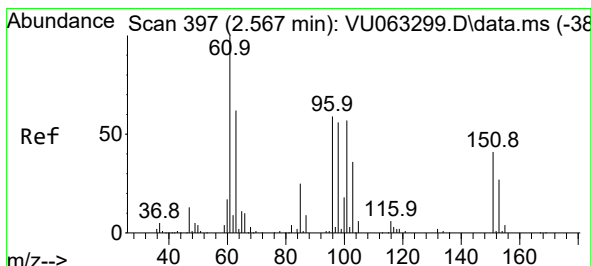
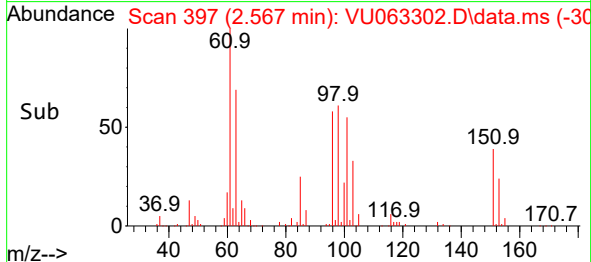
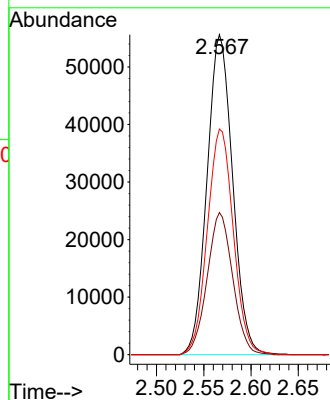
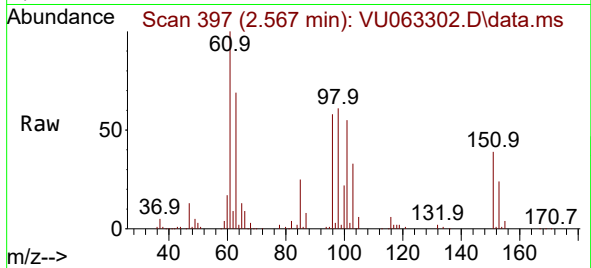




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 58.54 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.003 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

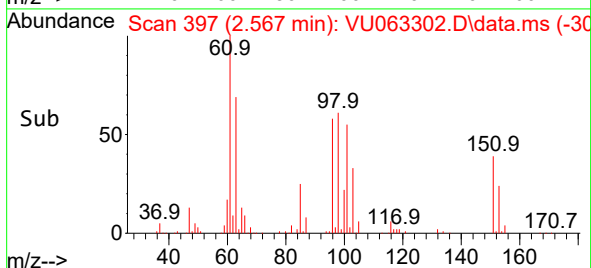
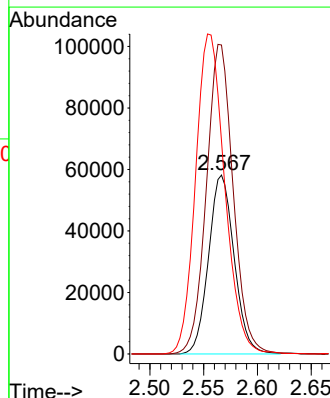
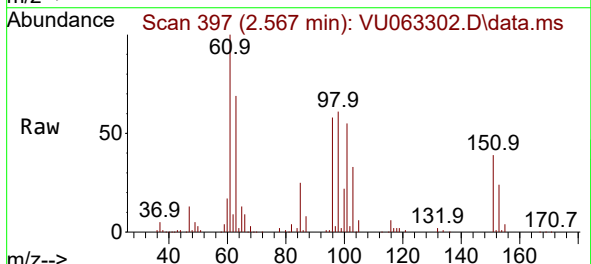
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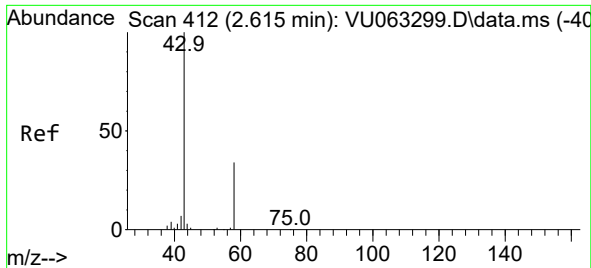
Tgt Ion:101 Resp: 104812
Ion Ratio Lower Upper
101 100
85 44.2 36.5 54.7
151 71.6 57.4 86.0



#12
1,1-Dichloroethene
Concen: 56.15 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion: 96 Resp: 96288
Ion Ratio Lower Upper
96 100
61 172.8 121.9 226.5
63 119.3 93.2 173.0





#13

Acetone

Concen: 140.48 ug/L

RT: 2.611 min Scan# 412

Delta R.T. -0.003 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

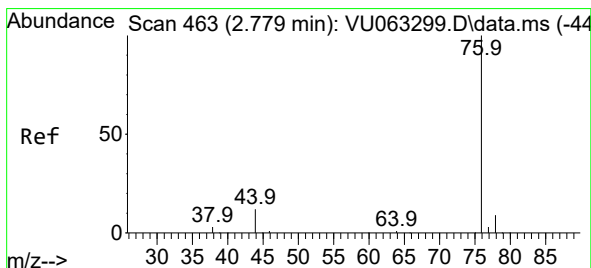
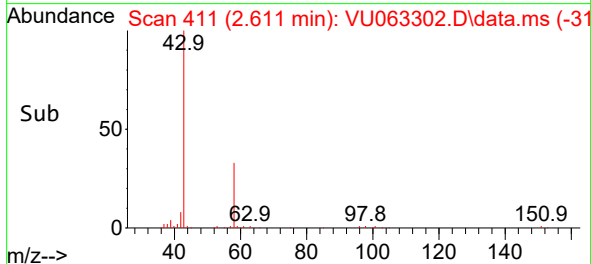
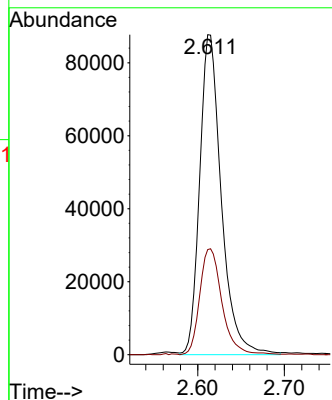
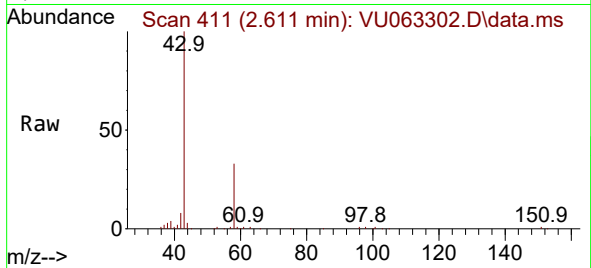
VSTD050105

Tgt Ion: 43 Resp: 152371

Ion Ratio Lower Upper

43 100

58 34.0 0.0 68.4



#14

Carbon disulfide

Concen: 53.65 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU063302.D

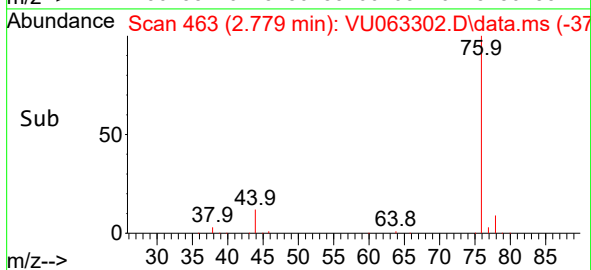
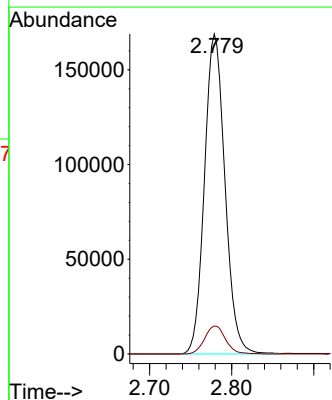
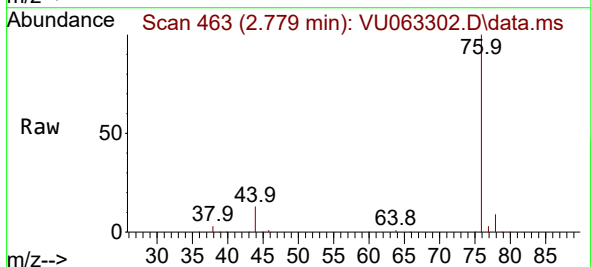
Acq: 18 Mar 2025 15:03

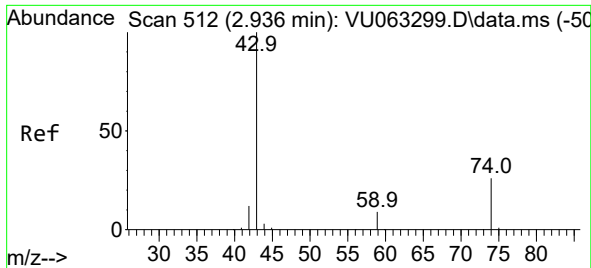
Tgt Ion: 76 Resp: 293148

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

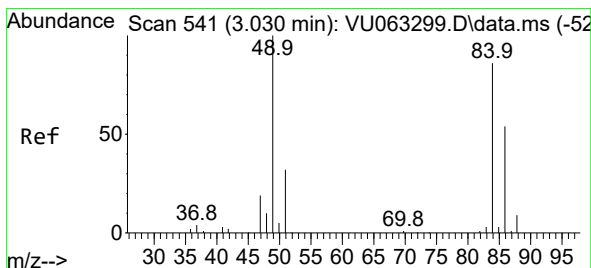
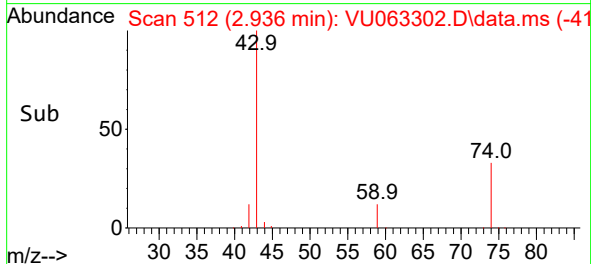
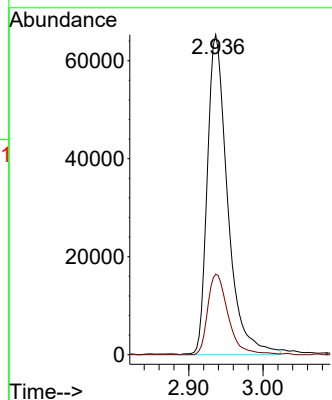
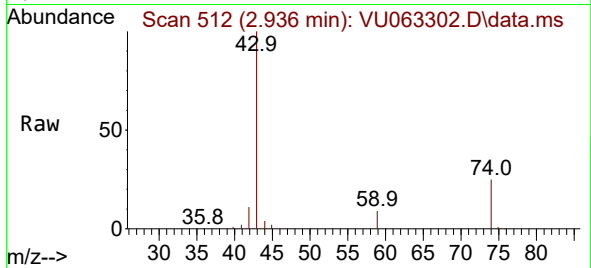




#15
Methyl Acetate
Concen: 52.28 ug/L
RT: 2.936 min Scan# 512
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

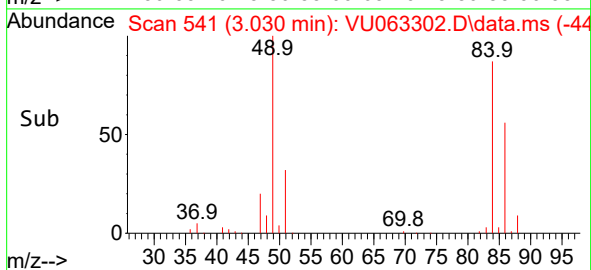
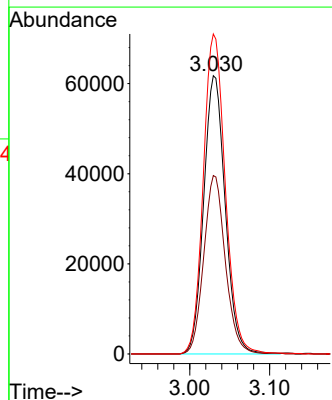
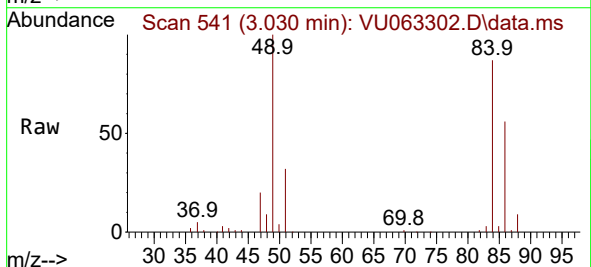
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

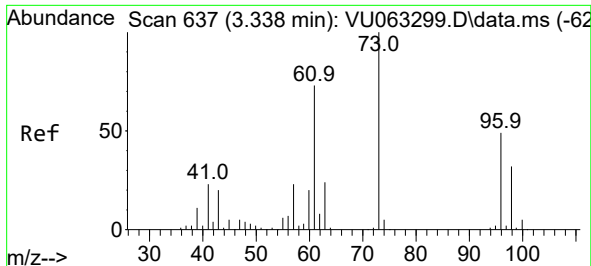
Tgt Ion: 43 Resp: 124243
Ion Ratio Lower Upper
43 100
74 25.3 0.0 0.0#



#16
Methylene chloride
Concen: 55.03 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion: 84 Resp: 115808
Ion Ratio Lower Upper
84 100
86 64.1 44.4 82.5
49 115.0 86.3 160.3

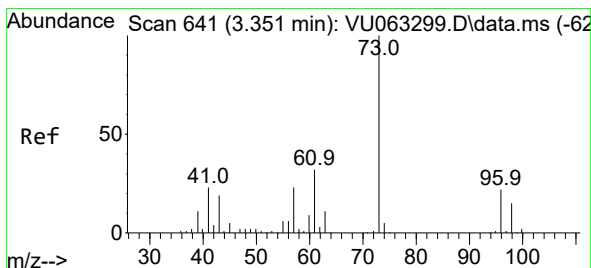
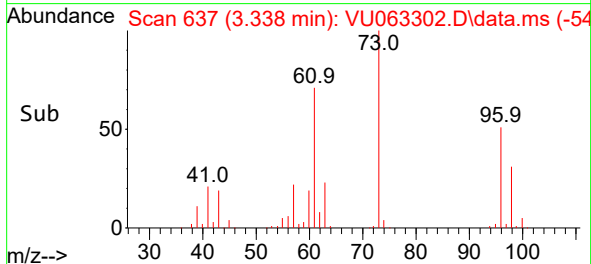
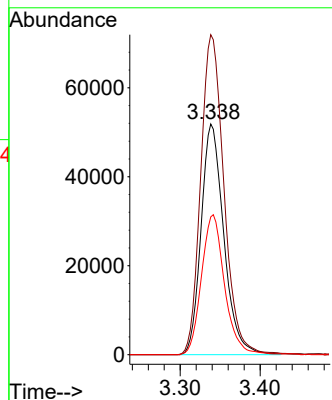
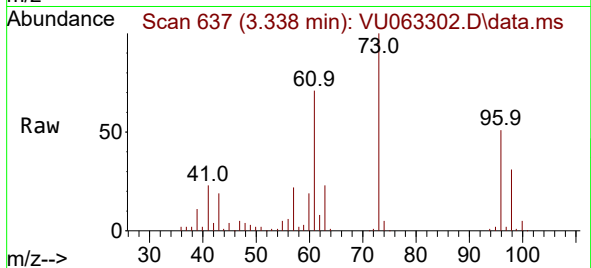




#17
trans-1,2-Dichloroethene
Concen: 56.53 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

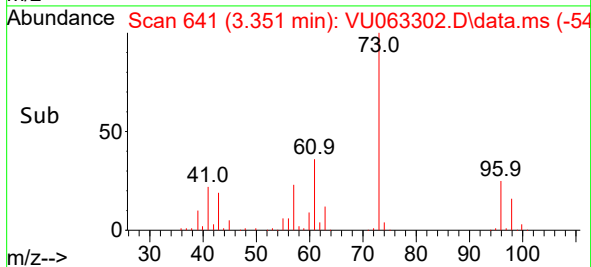
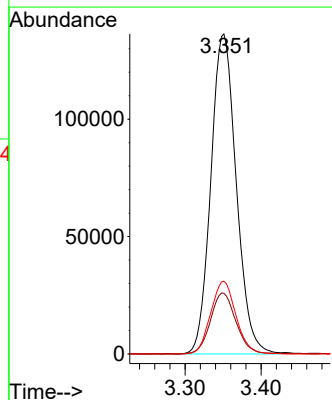
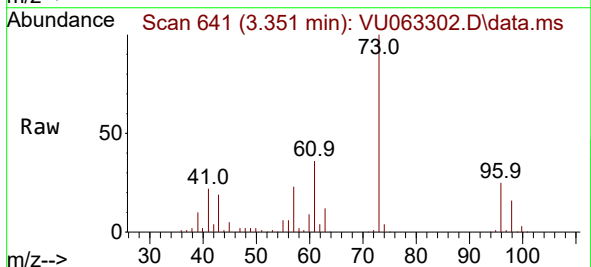
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

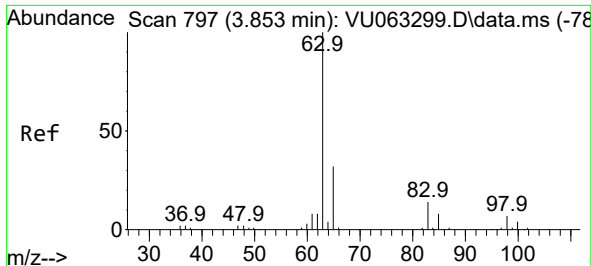
Tgt Ion: 96 Resp: 102603
Ion Ratio Lower Upper
96 100
61 138.7 100.1 185.9
98 59.7 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 54.59 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion: 73 Resp: 316648
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.2
57 22.5 18.3 27.5





#19

1,1-Dichloroethane

Concen: 53.83 ug/L

RT: 3.853 min Scan# 797

Delta R.T. -0.000 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050105

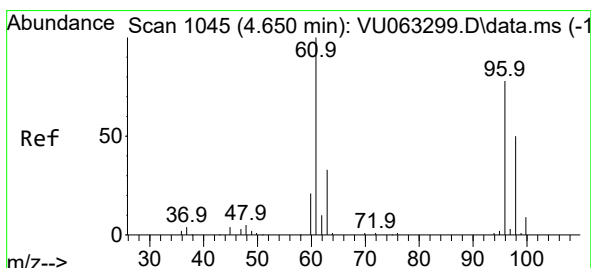
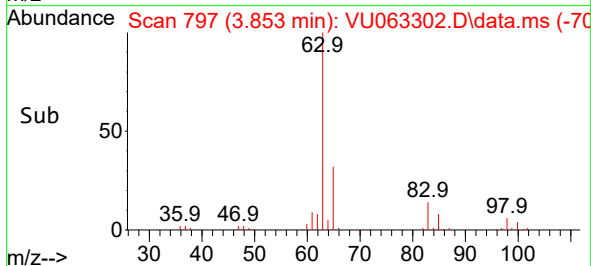
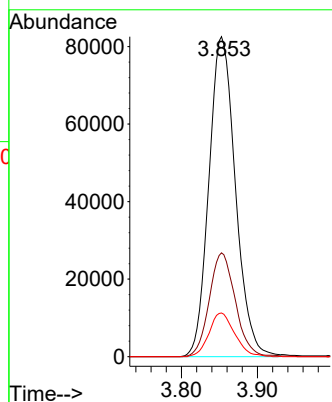
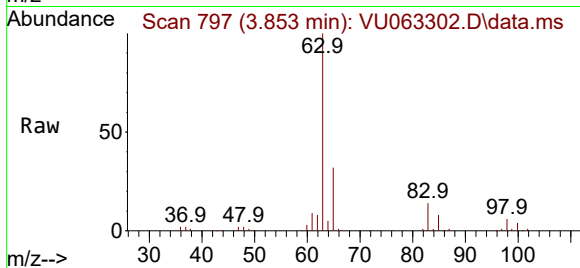
Tgt Ion: 63 Resp: 200160

Ion Ratio Lower Upper

63 100

65 32.5 21.9 40.7

83 13.7 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 56.30 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.003 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

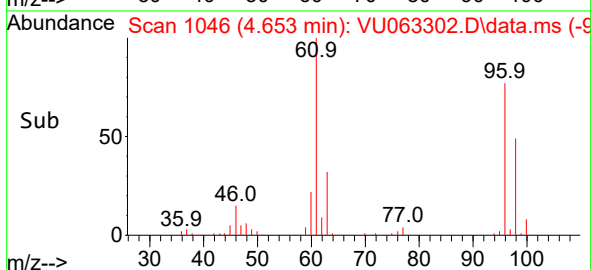
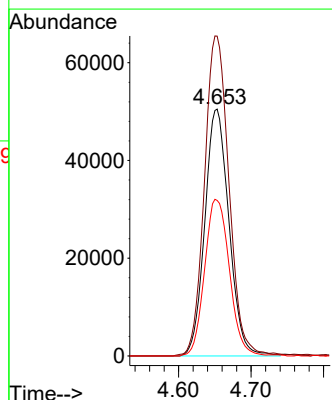
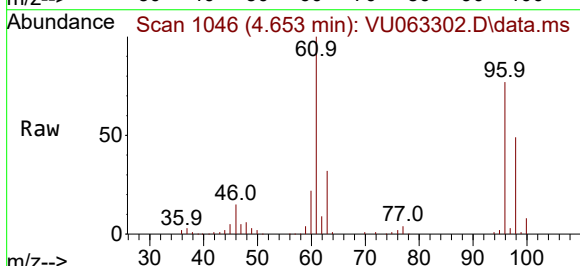
Tgt Ion: 96 Resp: 117285

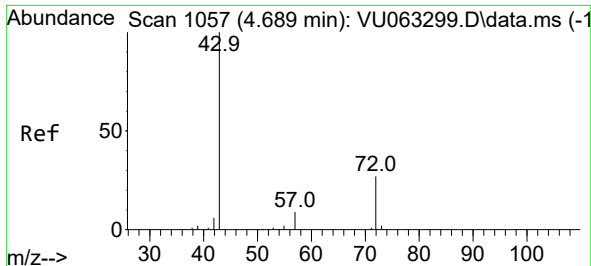
Ion Ratio Lower Upper

96 100

61 129.6 91.6 170.0

98 63.0 44.0 81.8

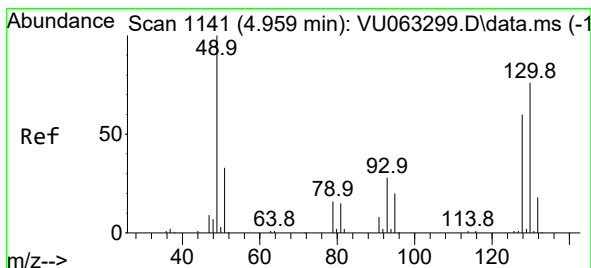
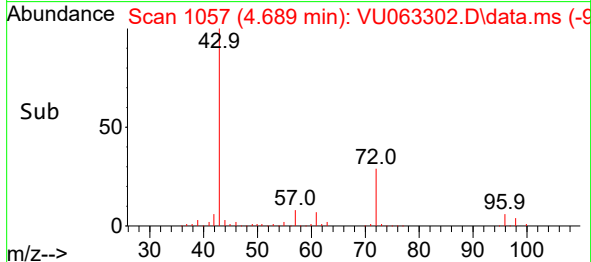
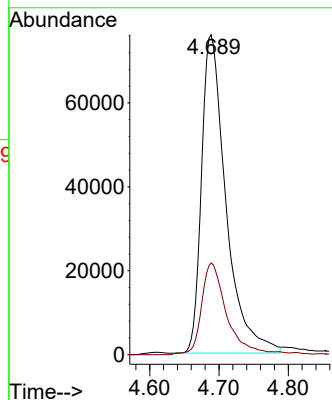
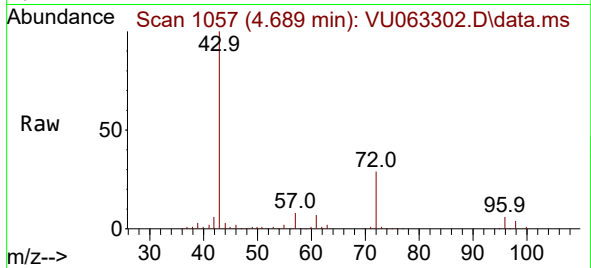




#22
2-Butanone
Concen: 118.01 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

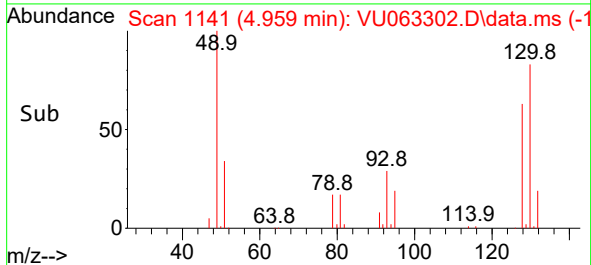
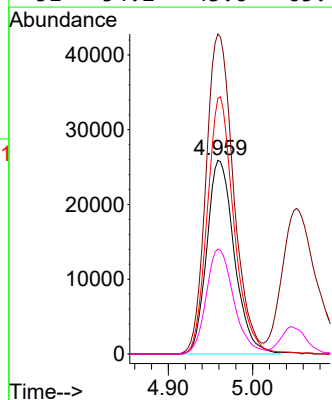
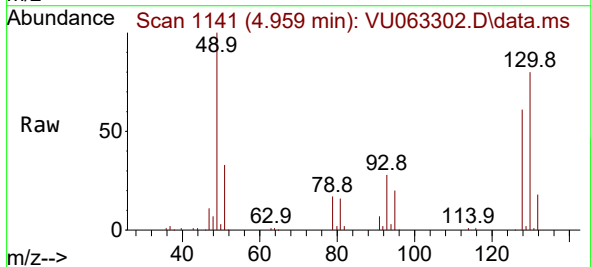
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

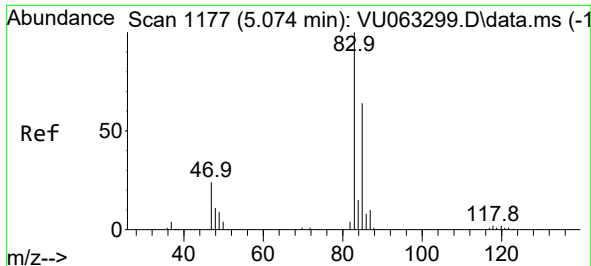
Tgt Ion: 43 Resp: 185797
Ion Ratio Lower Upper
43 100
72 29.1 15.4 46.4



#23
Bromochloromethane
Concen: 54.81 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion:128 Resp: 58541
Ion Ratio Lower Upper
128 100
49 165.3 118.2 219.6
130 132.0 89.2 165.8
51 54.2 43.6 65.4





#25

Chloroform

Concen: 54.91 ug/L

RT: 5.071 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

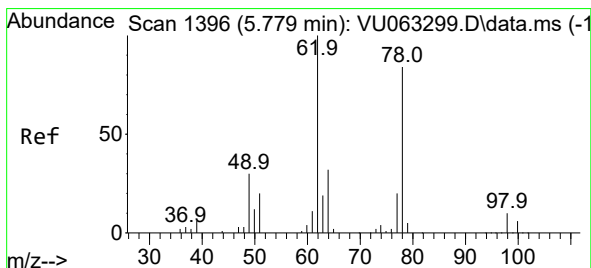
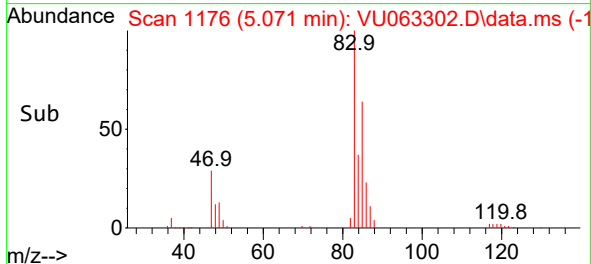
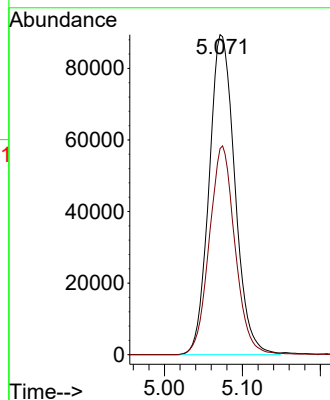
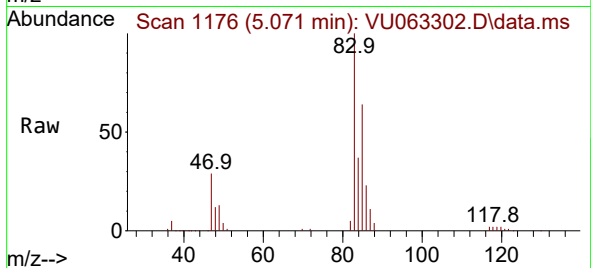
VSTD050105

Tgt Ion: 83 Resp: 205540

Ion Ratio Lower Upper

83 100

85 64.4 45.9 85.3



#27

1,2-Dichloroethane

Concen: 54.56 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VU063302.D

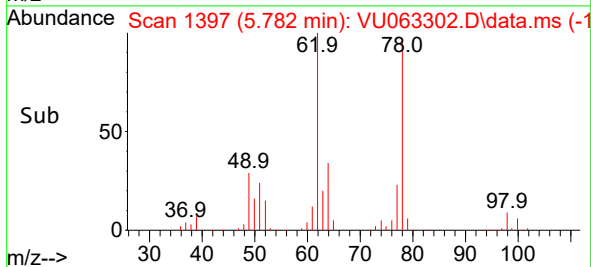
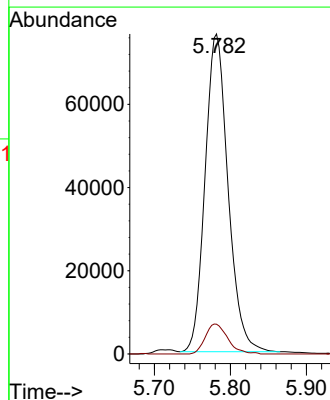
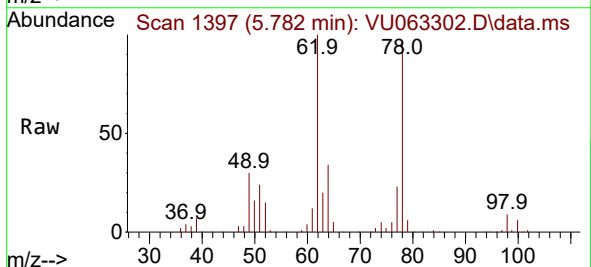
Acq: 18 Mar 2025 15:03

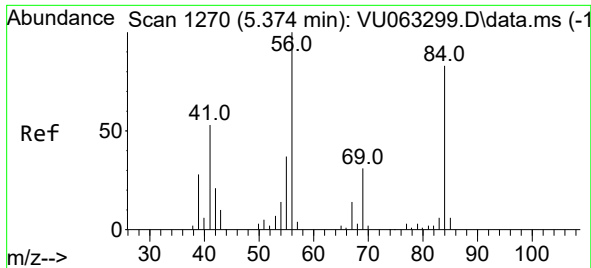
Tgt Ion: 62 Resp: 160378

Ion Ratio Lower Upper

62 100

98 9.3 7.5 11.3

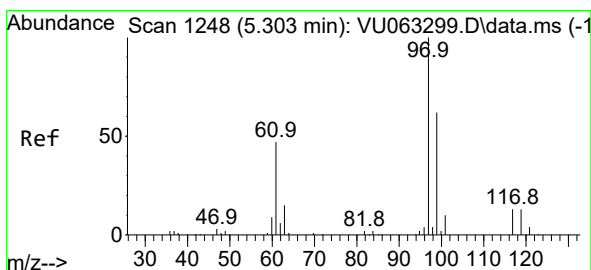
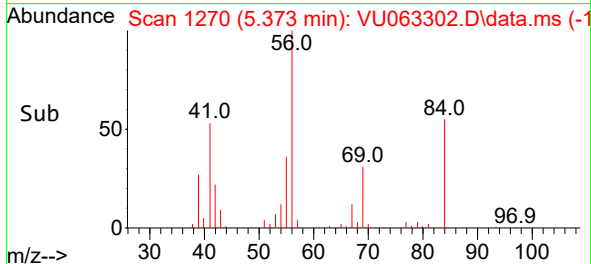
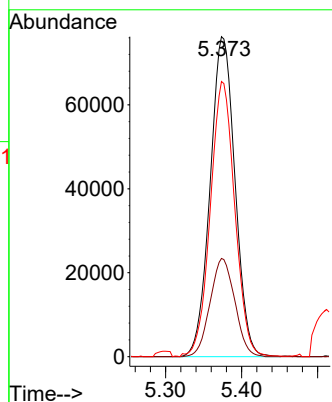
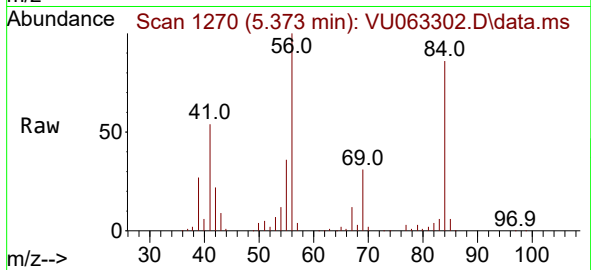




#29
Cyclohexane
Concen: 57.88 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

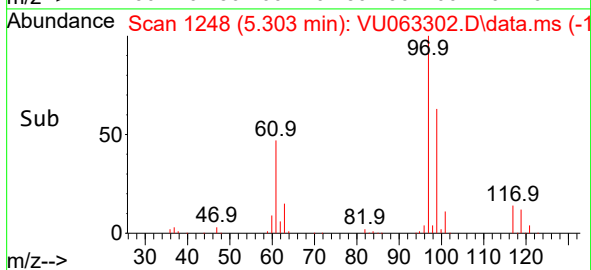
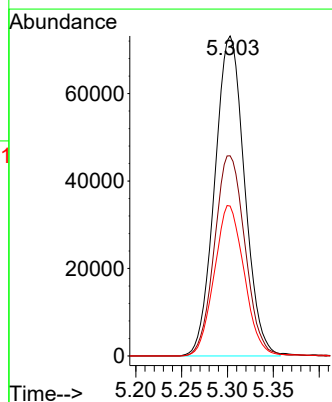
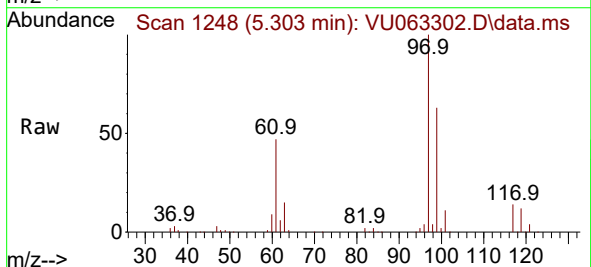
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

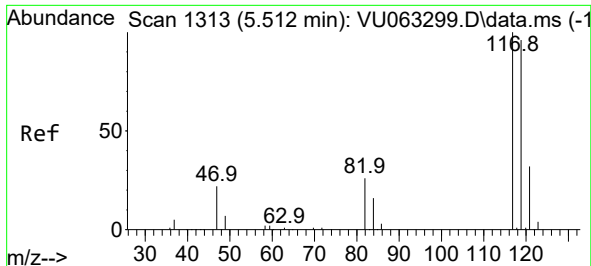
Tgt Ion:	56	Resp:	173188
Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.2	36.4
84	83.9	67.2	100.8



#30
1,1,1-Trichloroethane
Concen: 55.10 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion:	97	Resp:	165561
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.1	78.1
61	47.2	38.6	57.8

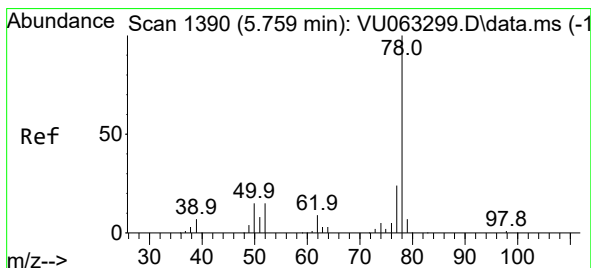
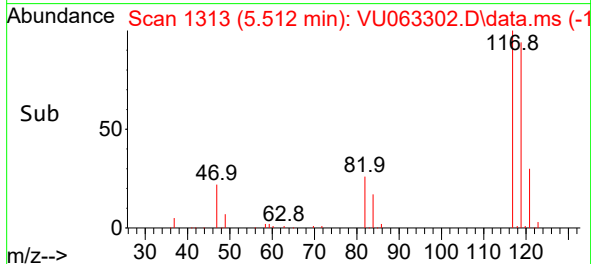
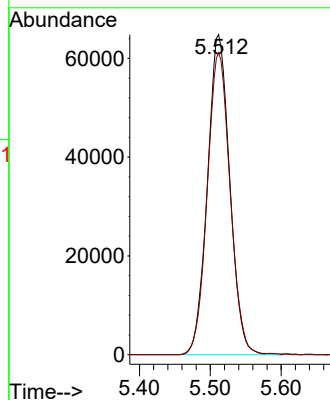
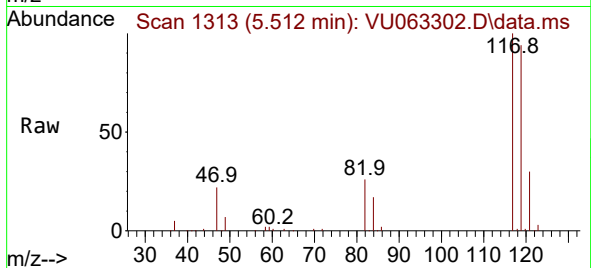




#31
Carbon tetrachloride
Concen: 56.65 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

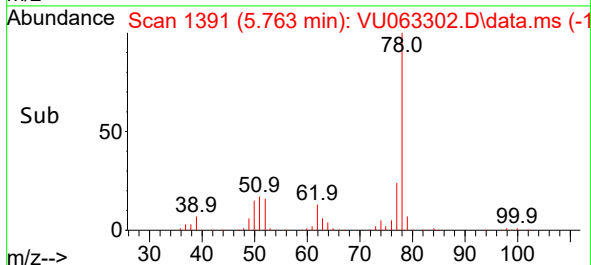
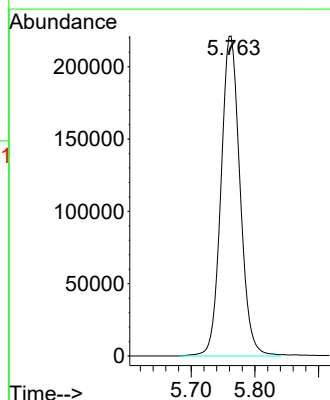
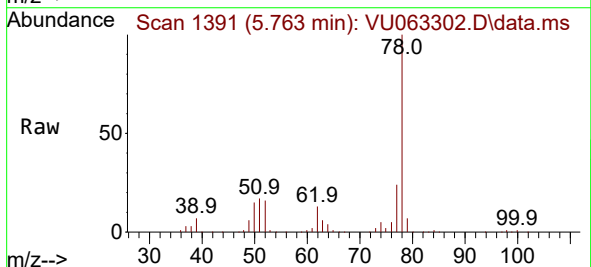
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

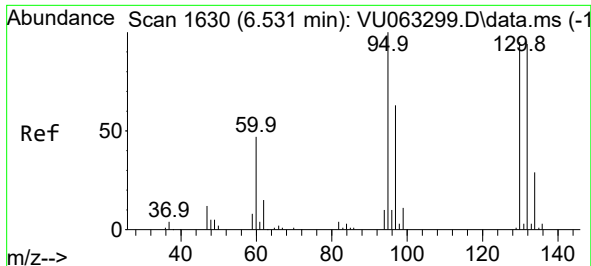
Tgt Ion:117 Resp: 141783
Ion Ratio Lower Upper
117 100
119 96.3 76.3 114.5



#33
Benzene
Concen: 56.66 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.003 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion: 78 Resp: 460055

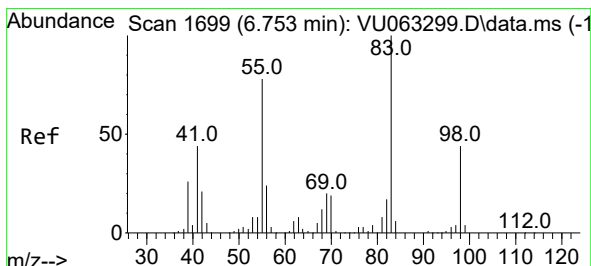
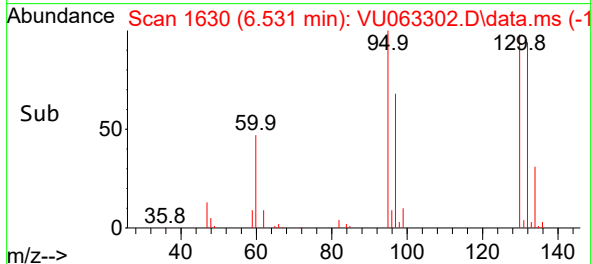
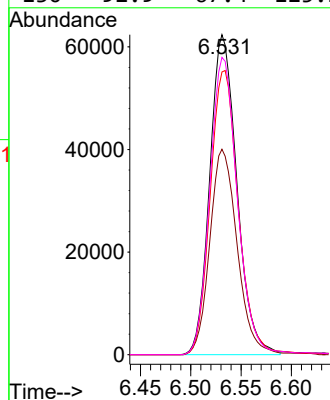
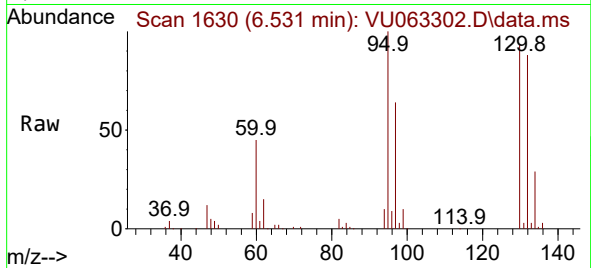




#34
Trichloroethene
Concen: 56.66 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

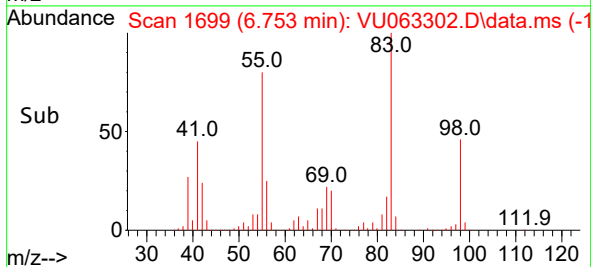
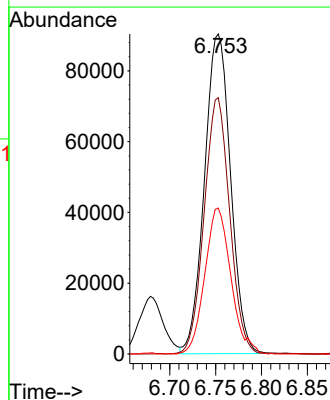
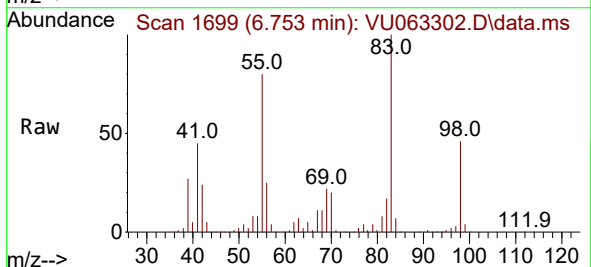
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

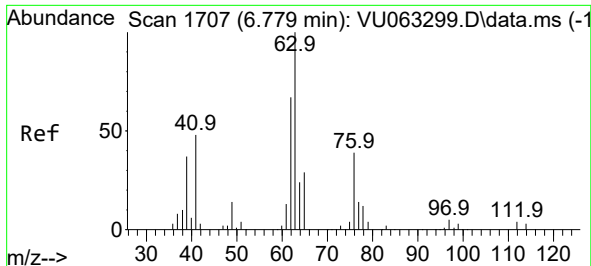
Tgt Ion: 95 Resp: 117242
Ion Ratio Lower Upper
95 100
97 64.2 44.6 82.8
132 88.4 65.3 121.3
130 92.9 67.4 125.2



#35
Methylcyclohexane
Concen: 60.77 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion: 83 Resp: 179512
Ion Ratio Lower Upper
83 100
55 78.2 63.4 95.2
98 45.4 35.2 52.8





#37

1,2-Dichloropropane

Concen: 54.08 ug/L

RT: 6.779 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

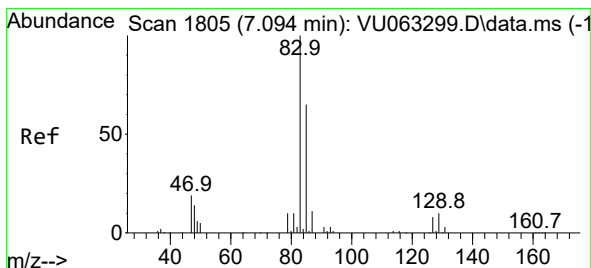
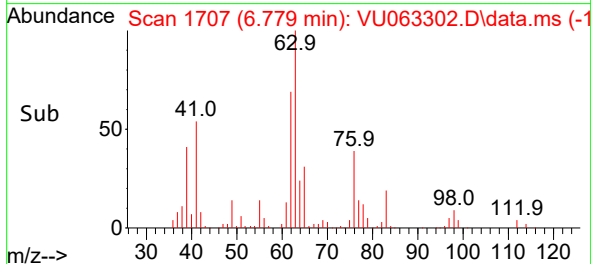
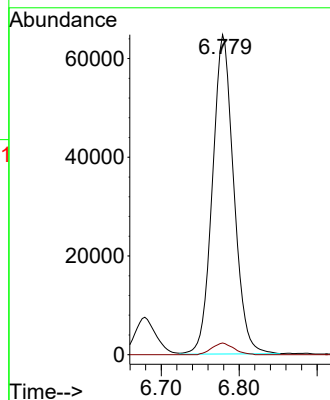
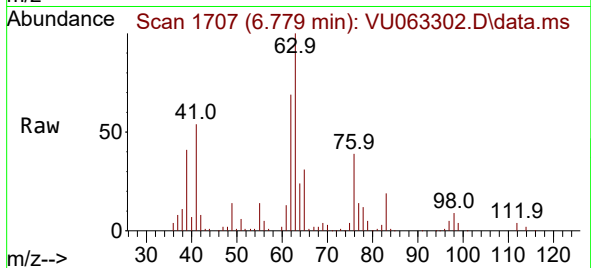
VSTD050105

Tgt Ion: 63 Resp: 123077

Ion Ratio Lower Upper

63 100

112 3.8 2.9 4.3



#38

Bromodichloromethane

Concen: 54.51 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

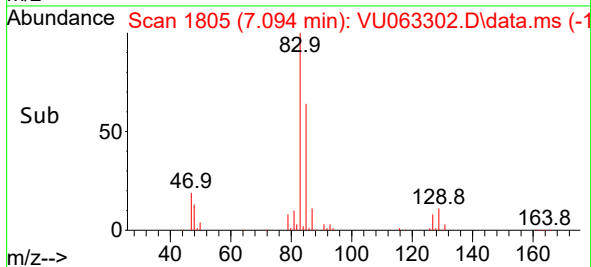
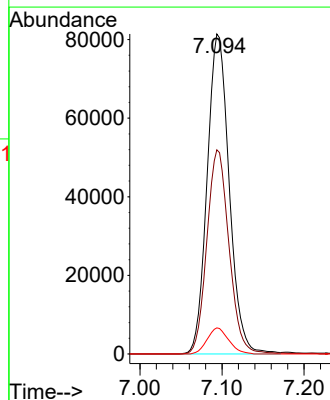
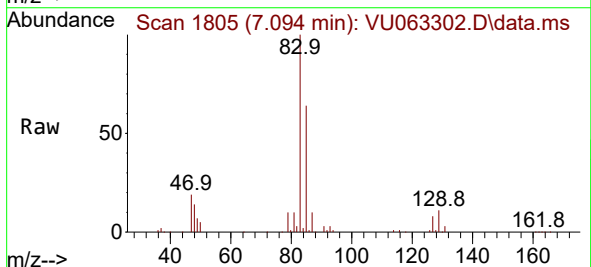
Tgt Ion: 83 Resp: 152538

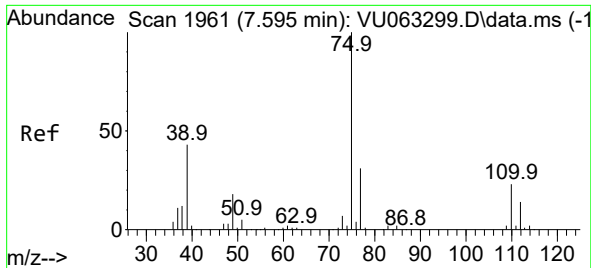
Ion Ratio Lower Upper

83 100

85 63.8 45.3 84.1

127 8.2 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 54.85 ug/L

RT: 7.598 min Scan# 1961

Delta R.T. 0.003 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

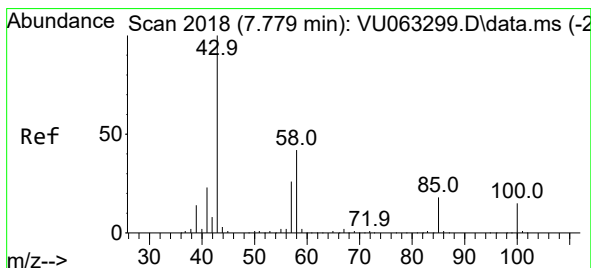
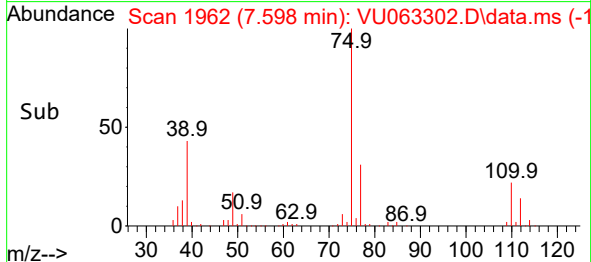
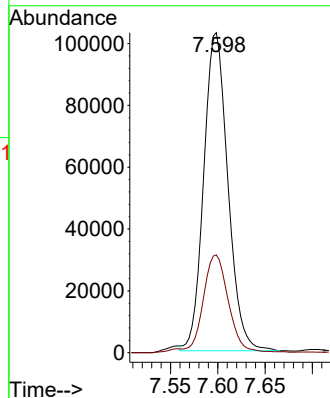
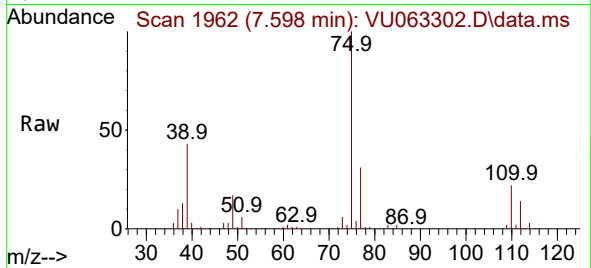
VSTD050105

Tgt Ion: 75 Resp: 182863

Ion Ratio Lower Upper

75 100

77 30.5 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 110.88 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

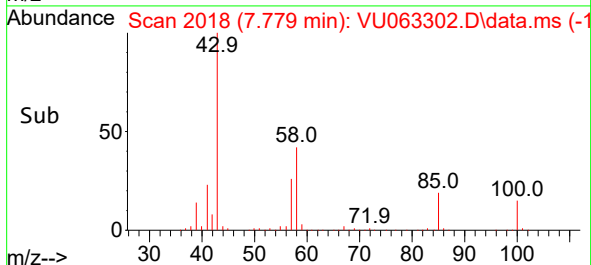
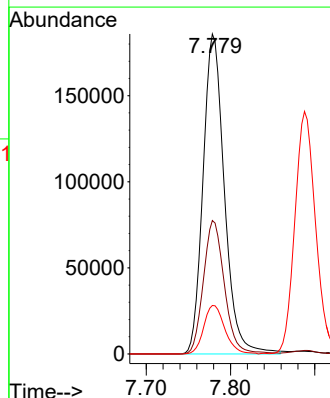
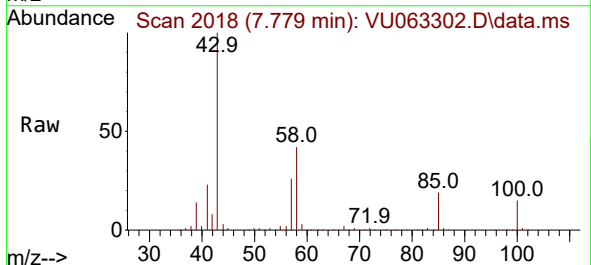
Tgt Ion: 43 Resp: 328165

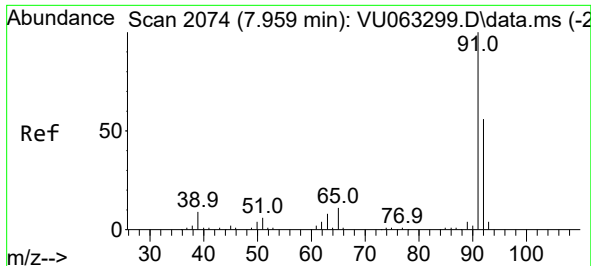
Ion Ratio Lower Upper

43 100

58 41.1 33.0 49.6

100 15.0 11.9 17.9





#42

Toluene

Concen: 58.74 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

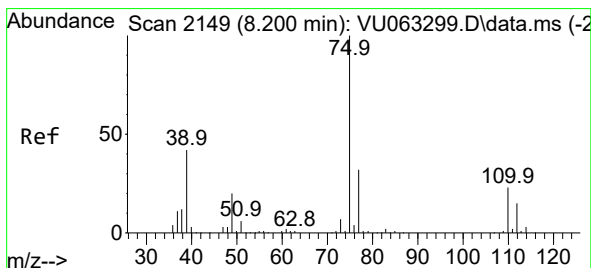
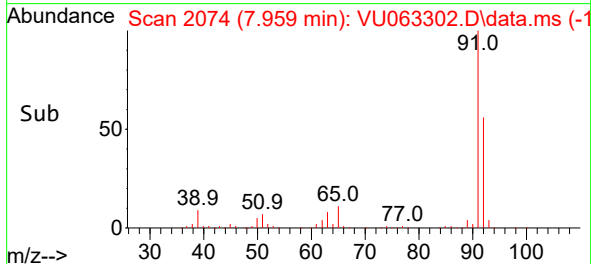
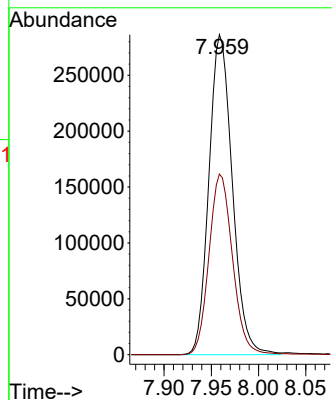
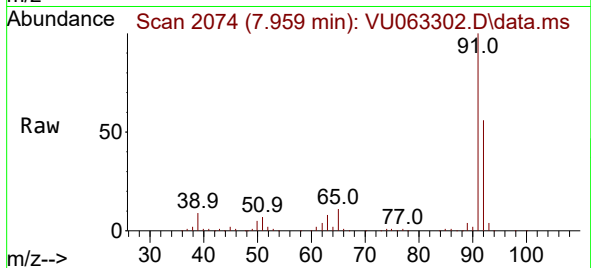
VSTD050105

Tgt Ion: 91 Resp: 493394

Ion Ratio Lower Upper

91 100

92 56.4 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 57.92 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU063302.D

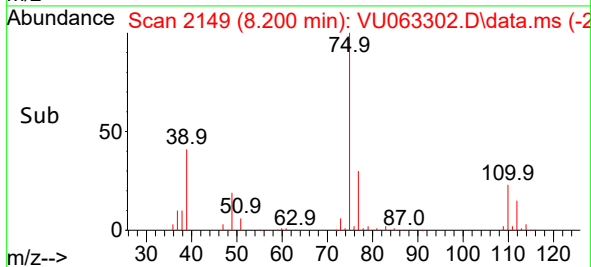
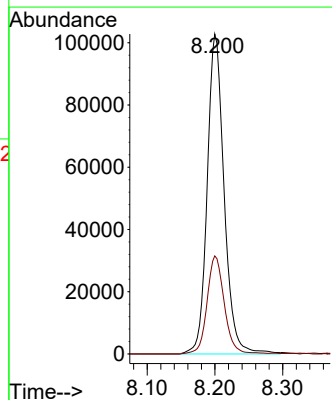
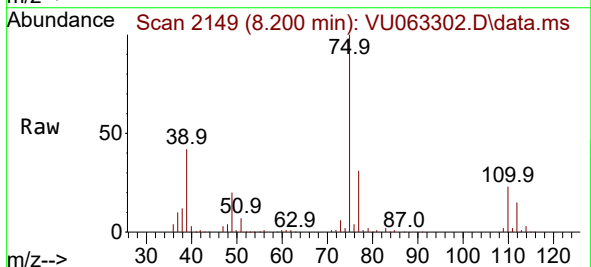
Acq: 18 Mar 2025 15:03

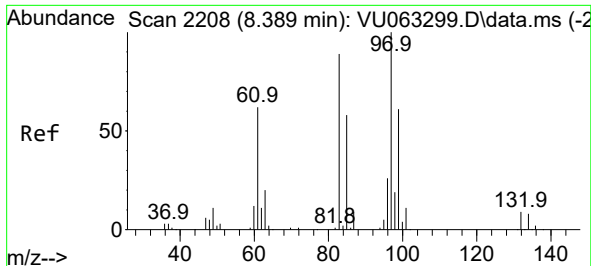
Tgt Ion: 75 Resp: 178405

Ion Ratio Lower Upper

75 100

77 30.7 21.7 40.3

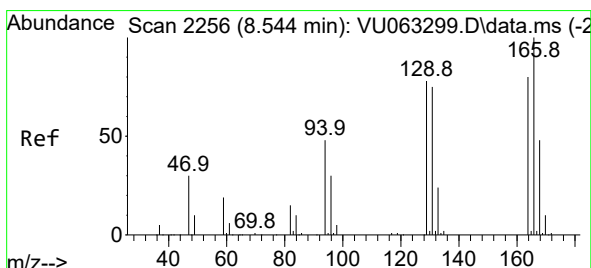
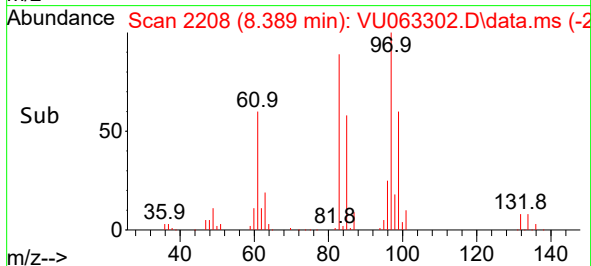
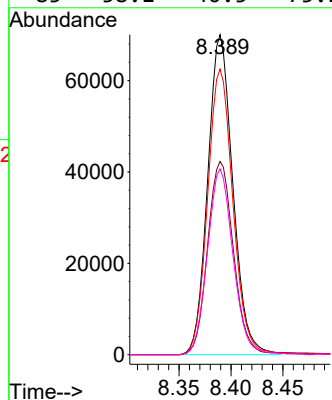
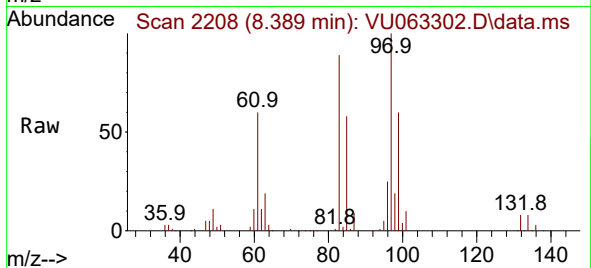




#45
1,1,2-Trichloroethane
Concen: 54.49 ug/L
RT: 8.389 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

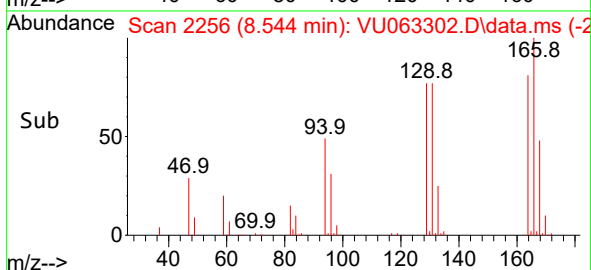
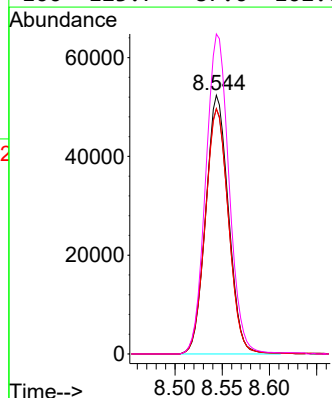
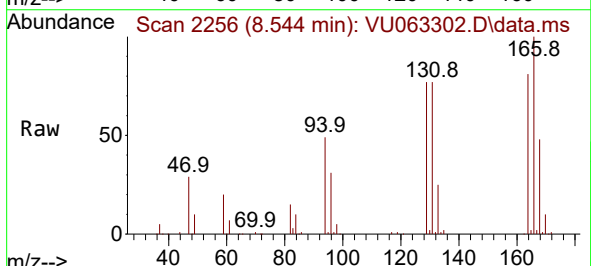
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

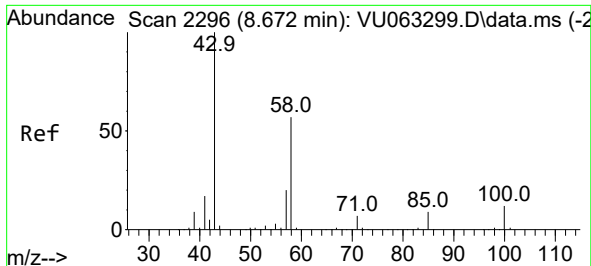
Tgt Ion:	97	Resp:	117728
Ion	Ratio	Lower	Upper
97	100		
99	60.4	44.4	82.4
83	89.2	63.3	117.5
85	58.1	40.5	75.1



#46
Tetrachloroethene
Concen: 60.05 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion:	164	Resp:	87693
Ion	Ratio	Lower	Upper
164	100		
129	94.8	67.8	125.8
131	94.7	64.3	119.5
166	123.7	87.6	162.6



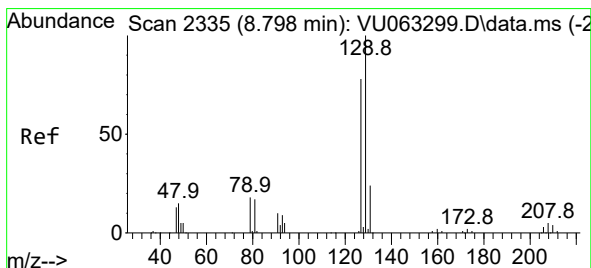
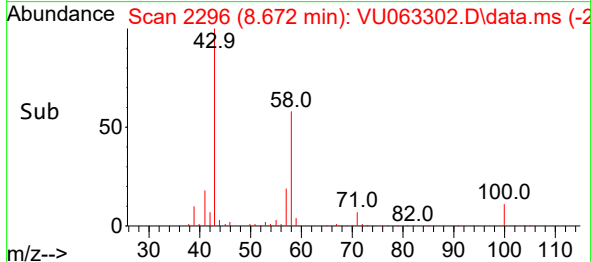
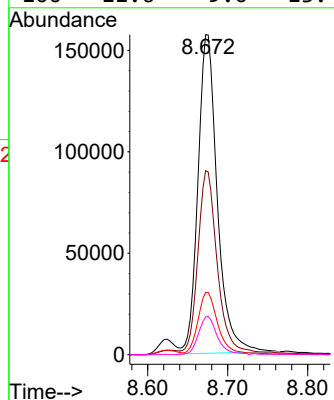
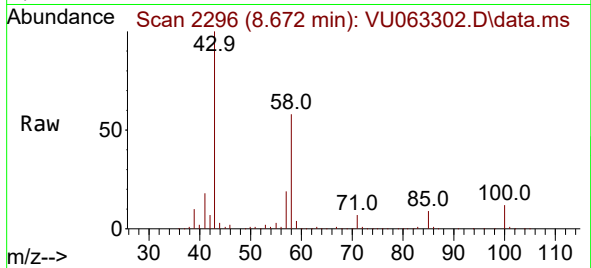


#48
2-Hexanone
Concen: 117.79 ug/L
RT: 8.672 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

Tgt Ion: 43 Resp: 265787

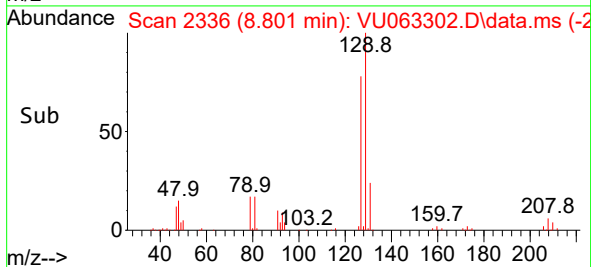
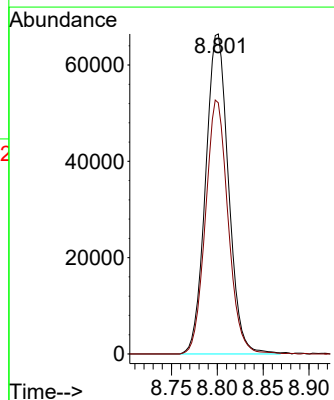
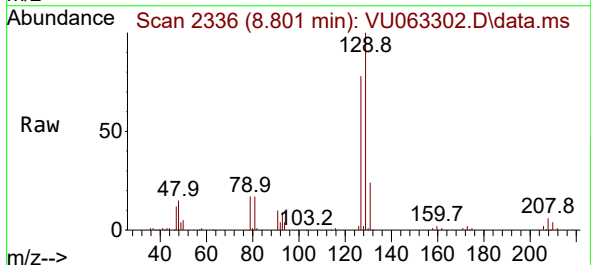
Ion	Ratio	Lower	Upper
43	100		
58	56.4	46.6	69.8
57	19.0	15.8	23.6
100	11.6	9.0	13.4

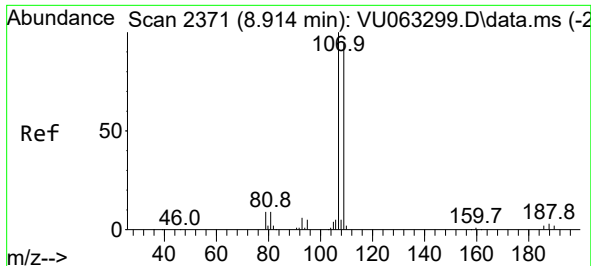


#49
Dibromochloromethane
Concen: 55.11 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion: 129 Resp: 115511

Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.0	100.4

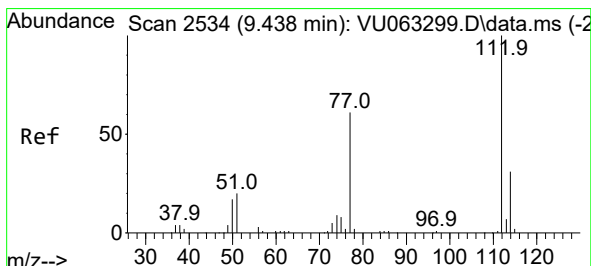
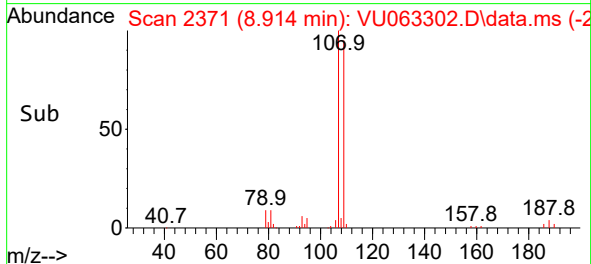
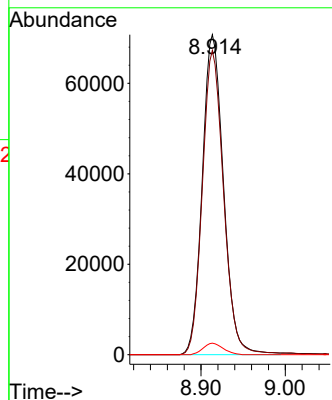
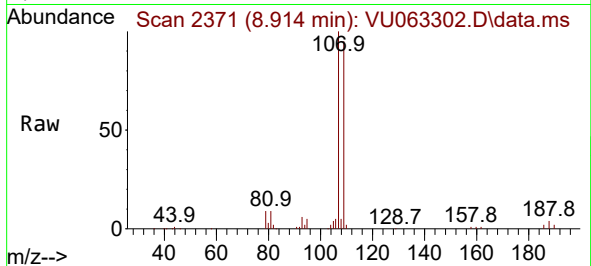




#50
1,2-Dibromoethane
Concen: 55.04 ug/L
RT: 8.914 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

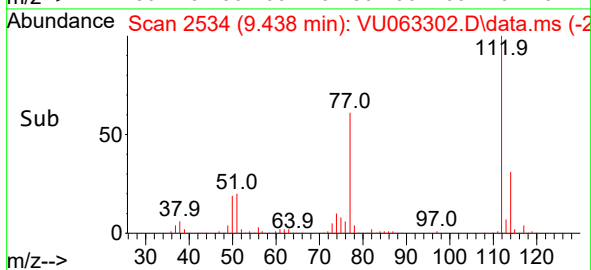
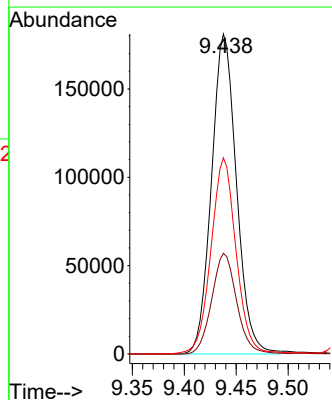
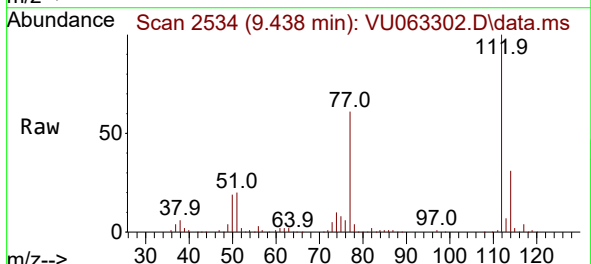
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

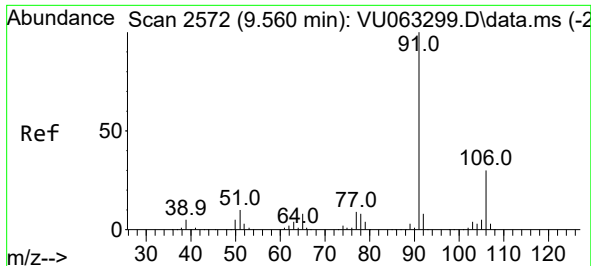
Tgt Ion:107 Resp: 124174
Ion Ratio Lower Upper
107 100
109 95.0 65.2 121.0
188 3.6 2.5 3.7



#51
Chlorobenzene
Concen: 57.27 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion:112 Resp: 302899
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.5
77 61.3 48.7 73.1

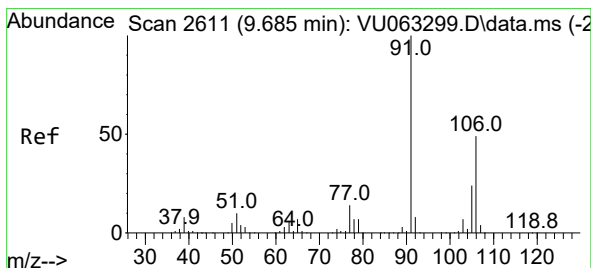
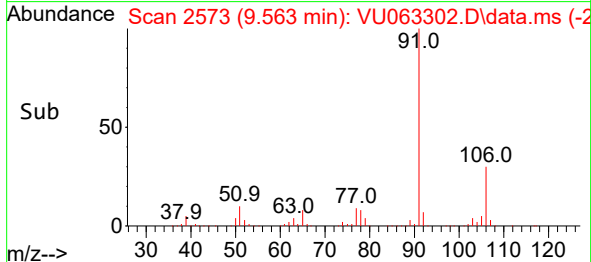
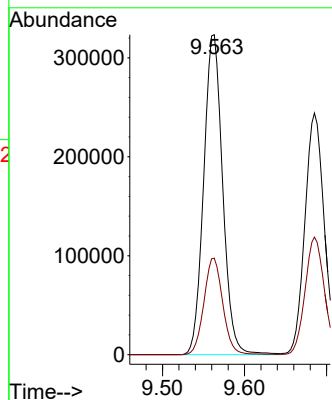
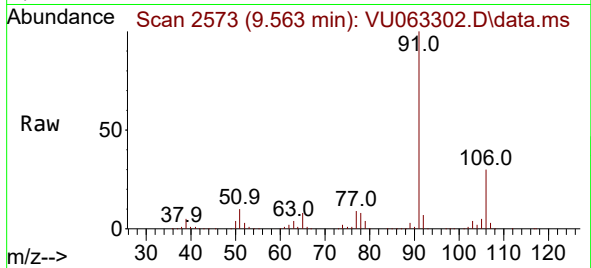




#52
Ethylbenzene
Concen: 59.33 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

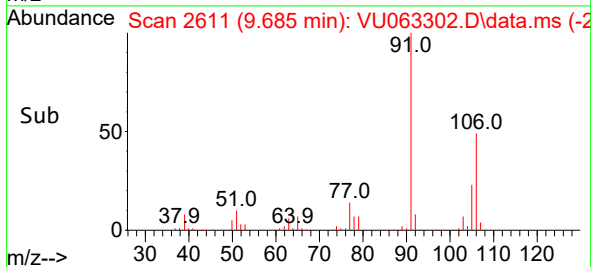
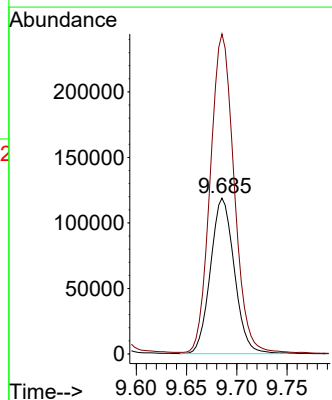
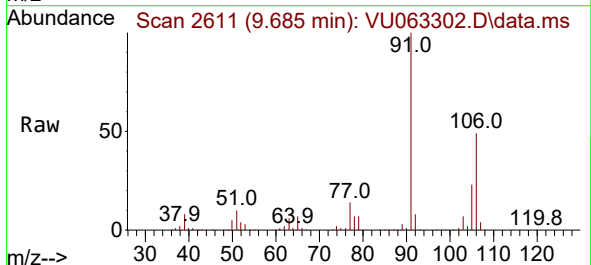
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

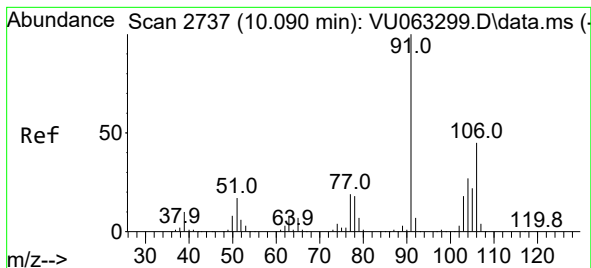
Tgt Ion: 91 Resp: 521582
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 60.06 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion: 106 Resp: 195018
Ion Ratio Lower Upper
106 100
91 205.3 147.3 273.6





#54

o-Xylene

Concen: 59.64 ug/L

RT: 10.090 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

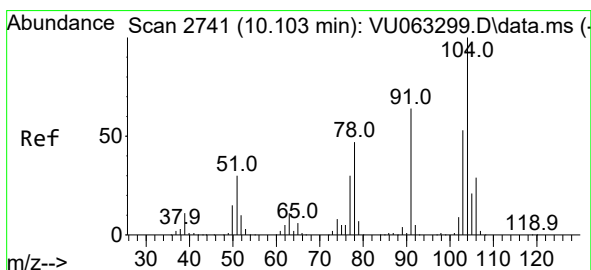
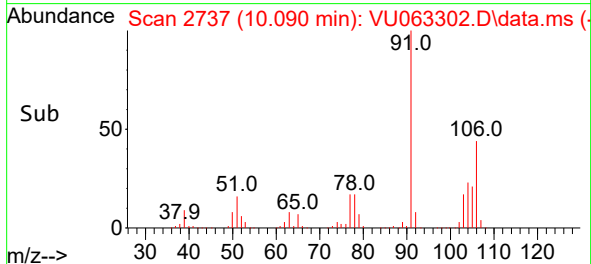
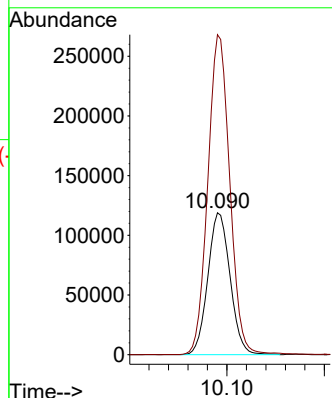
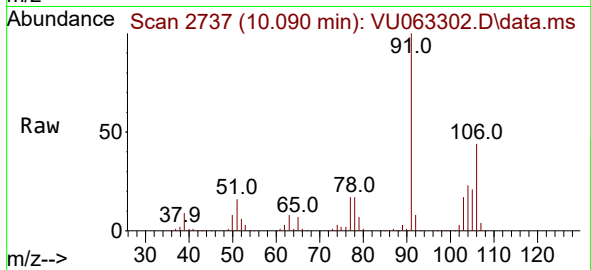
VSTD050105

Tgt Ion:106 Resp: 188768

Ion Ratio Lower Upper

106 100

91 225.4 156.7 291.1



#55

Styrene

Concen: 63.14 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.003 min

Lab File: VU063302.D

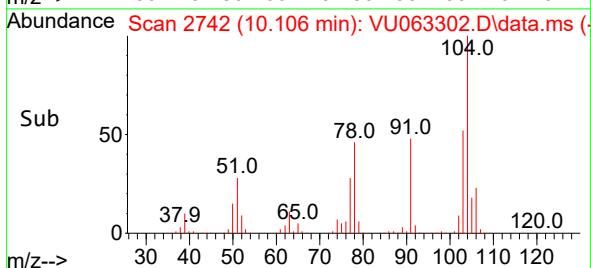
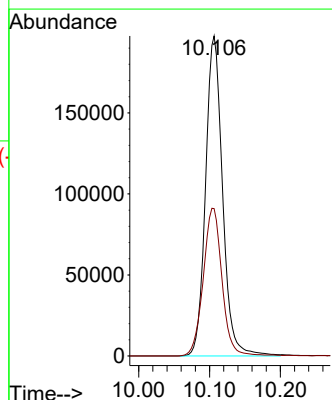
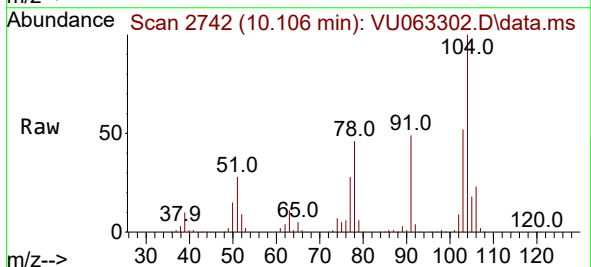
Acq: 18 Mar 2025 15:03

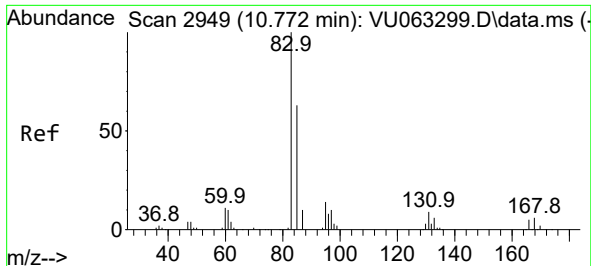
Tgt Ion:104 Resp: 329966

Ion Ratio Lower Upper

104 100

78 46.0 32.4 60.2

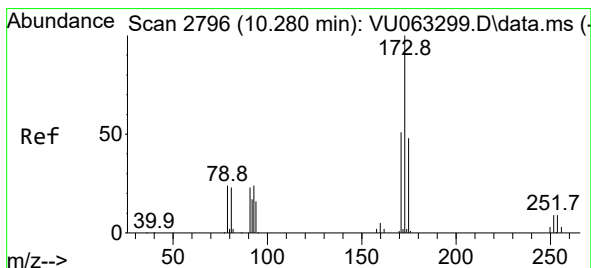
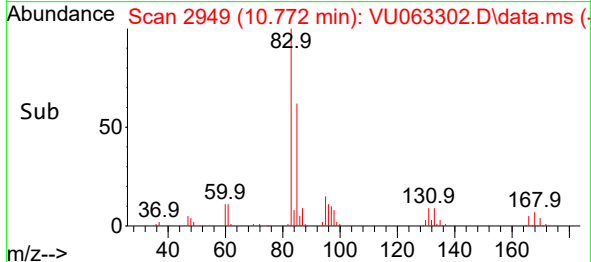
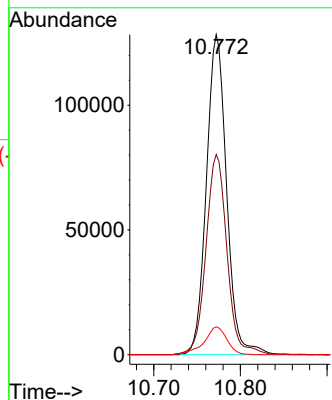
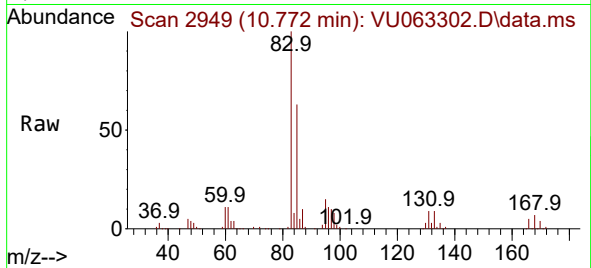




#57
1,1,2,2-Tetrachloroethane
Concen: 55.29 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

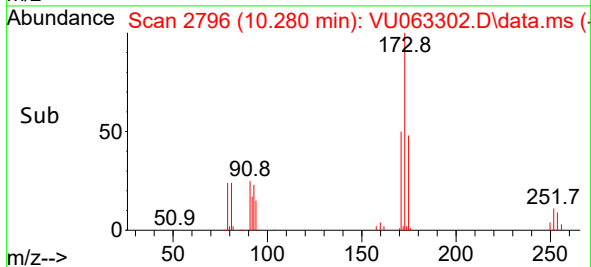
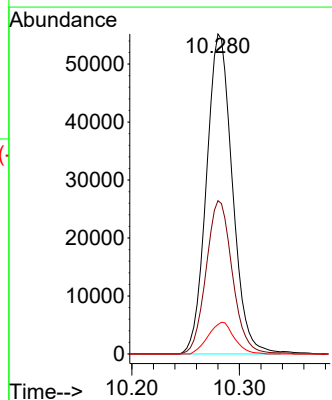
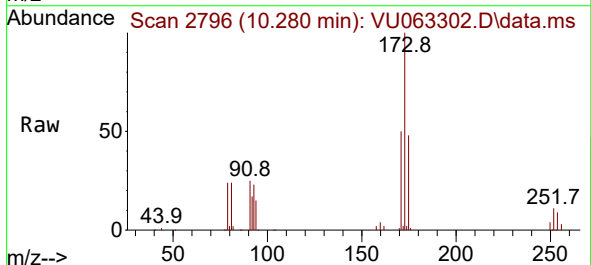
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

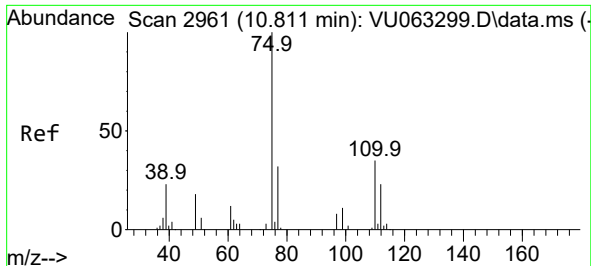
Tgt Ion: 83 Resp: 207703
Ion Ratio Lower Upper
83 100
85 62.5 45.6 84.8
131 8.7 7.1 10.7



#59
Bromoform
Concen: 52.95 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion:173 Resp: 92554
Ion Ratio Lower Upper
173 100
175 48.5 38.6 57.8
254 9.9 7.8 11.6

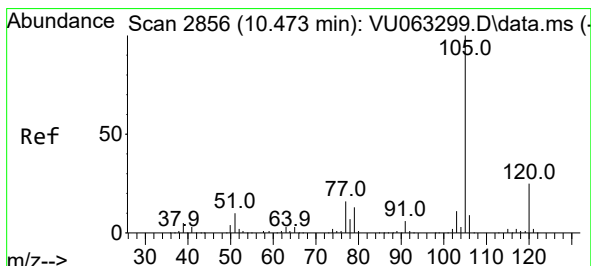
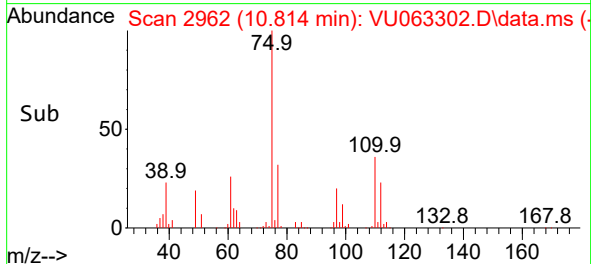
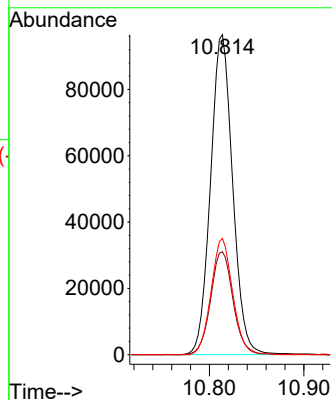
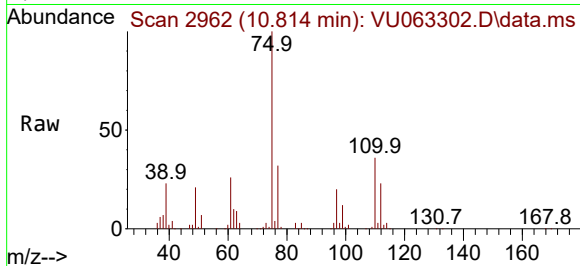




#60
1,2,3-Trichloropropane
Concen: 51.00 ug/L
RT: 10.814 min Scan# 2961
Delta R.T. 0.003 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

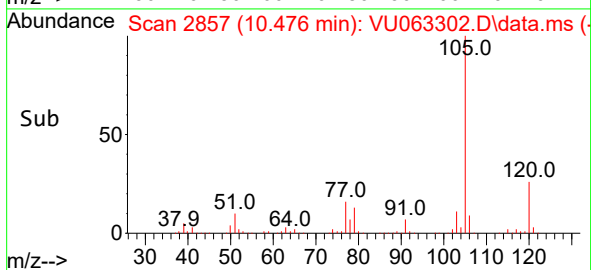
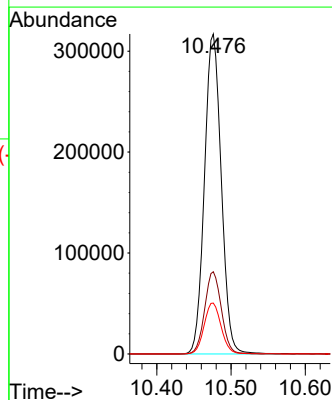
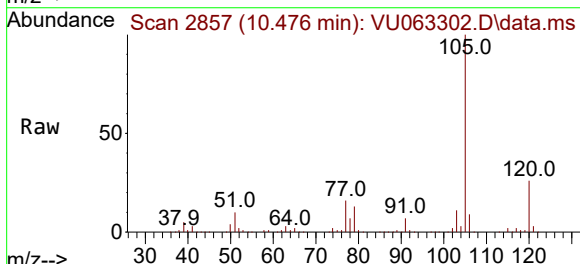
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

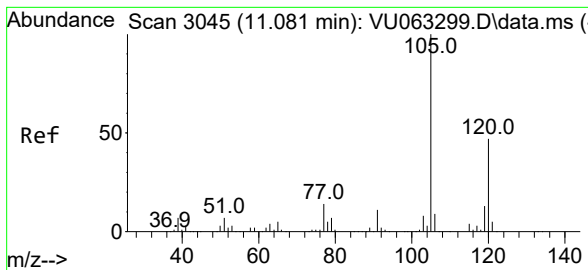
Tgt Ion: 75 Resp: 156868
Ion Ratio Lower Upper
75 100
77 32.7 25.9 38.9
110 35.6 27.8 41.8



#61
Isopropylbenzene
Concen: 57.27 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion: 105 Resp: 497828
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0
77 16.2 13.0 19.4

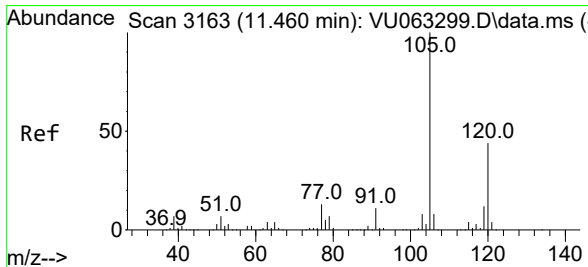
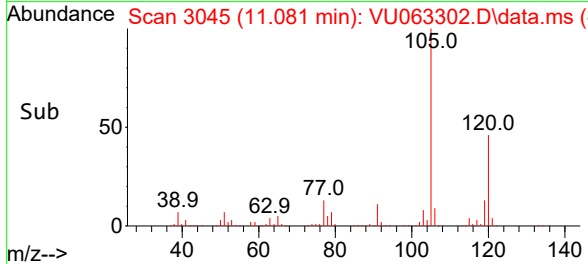
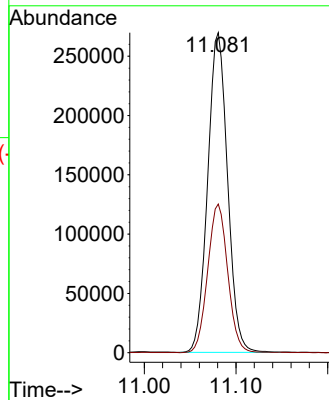
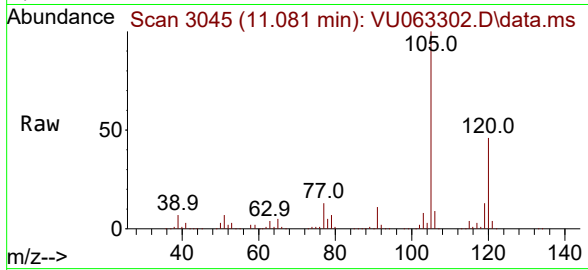




#62
1,3,5-Trimethylbenzene
Concen: 59.06 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

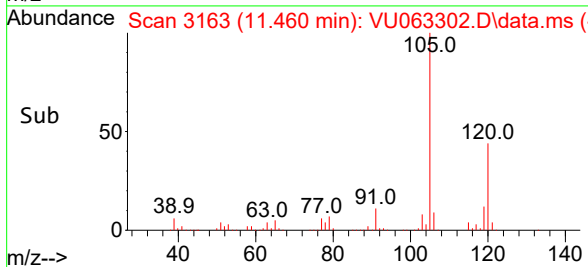
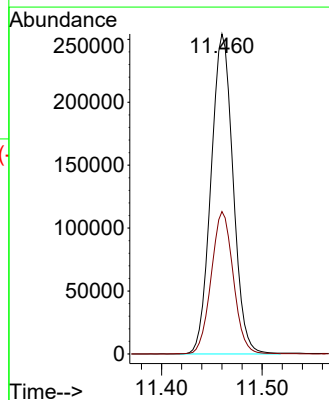
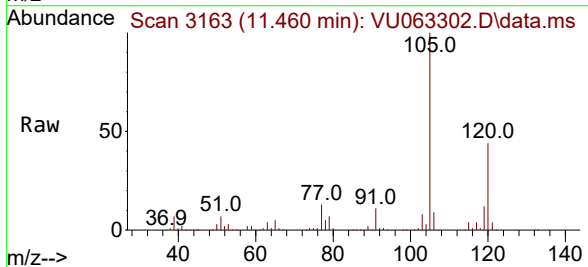
Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

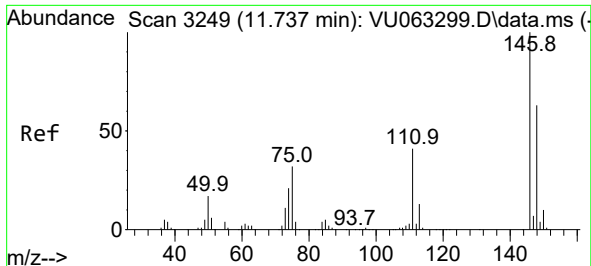
Tgt Ion:105 Resp: 405108
Ion Ratio Lower Upper
105 100
120 47.0 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 58.95 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion:105 Resp: 387784
Ion Ratio Lower Upper
105 100
120 44.7 35.4 53.2

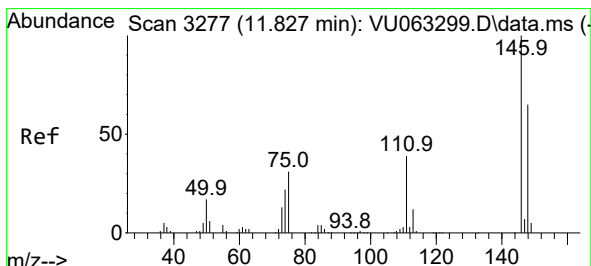
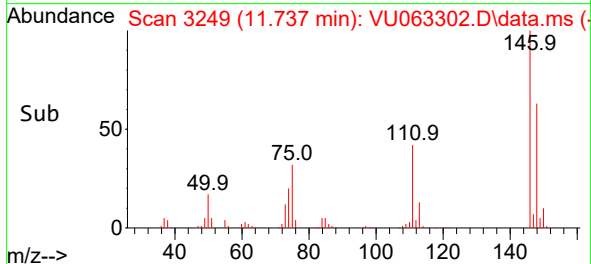
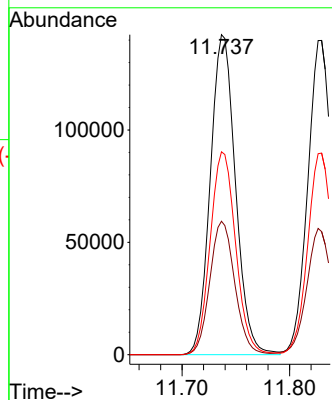
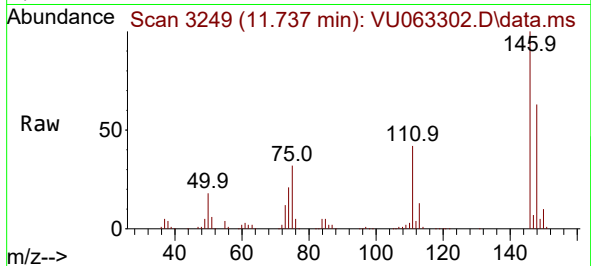




#64
 1,3-Dichlorobenzene
 Concen: 56.56 ug/L
 RT: 11.737 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063302.D
 Acq: 18 Mar 2025 15:03

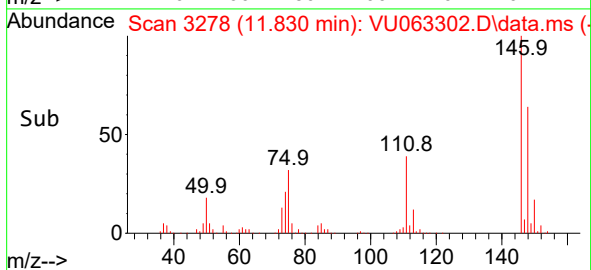
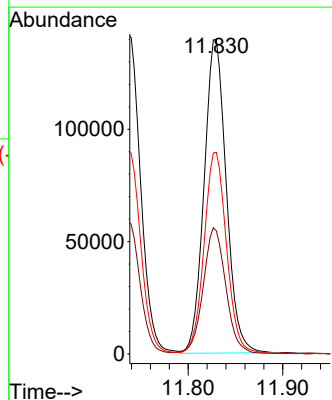
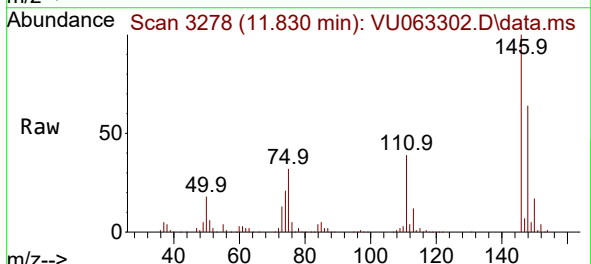
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050105

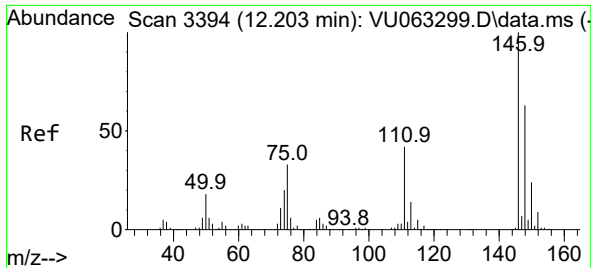
Tgt Ion:146 Resp: 232043
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.2 54.2
 148 63.4 45.8 85.2



#65
 1,4-Dichlorobenzene
 Concen: 54.63 ug/L
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.003 min
 Lab File: VU063302.D
 Acq: 18 Mar 2025 15:03

Tgt Ion:146 Resp: 227703
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.5 51.1
 148 64.1 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 56.82 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050105

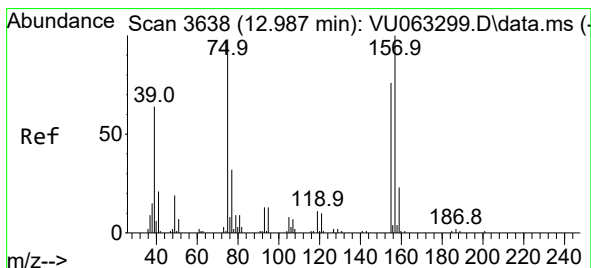
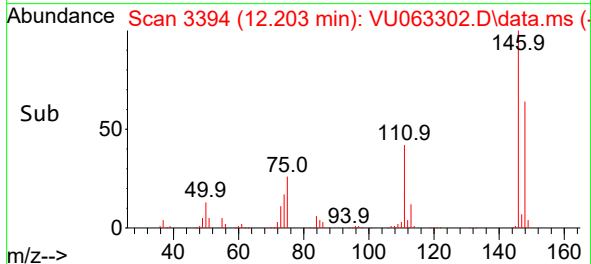
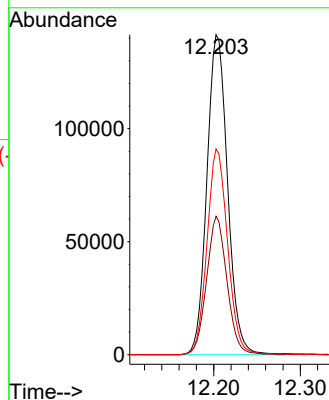
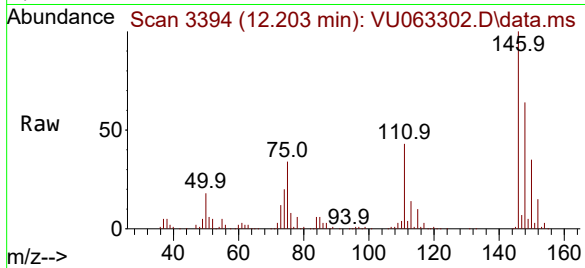
Tgt Ion:146 Resp: 235011

Ion Ratio Lower Upper

146 100

111 43.3 34.7 52.1

148 64.3 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 51.79 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

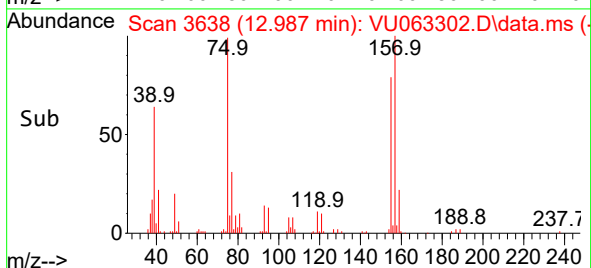
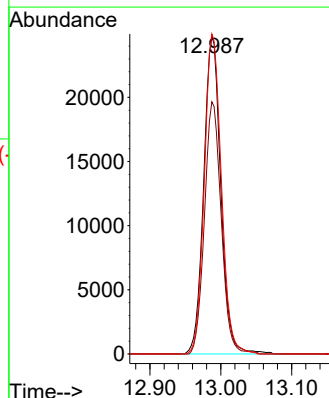
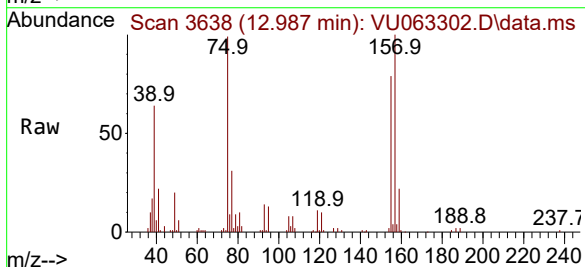
Tgt Ion: 75 Resp: 41562

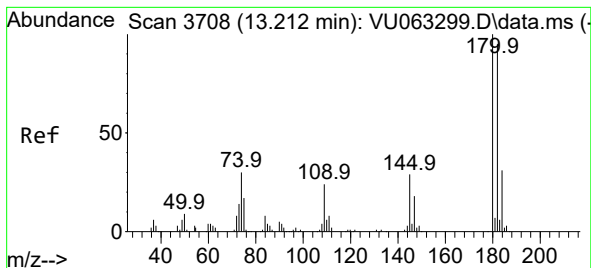
Ion Ratio Lower Upper

75 100

155 79.3 68.4 102.6

157 104.8 84.2 126.4





#69

1,3,5-Trichlorobenzene

Concen: 56.03 ug/L

RT: 13.212 min Scan# 3708

Delta R.T. -0.000 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050105

Tgt Ion:180 Resp: 154680

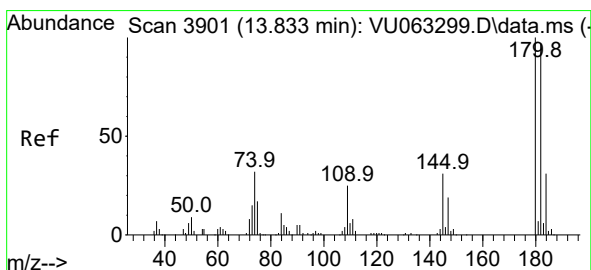
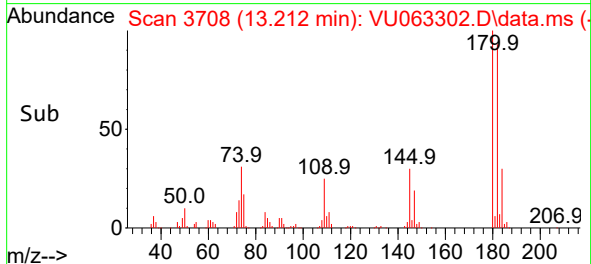
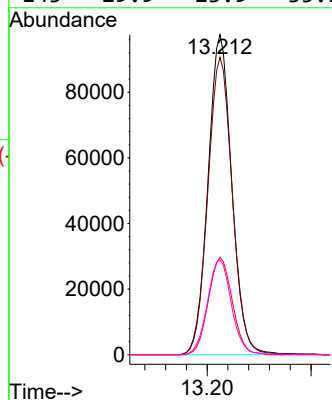
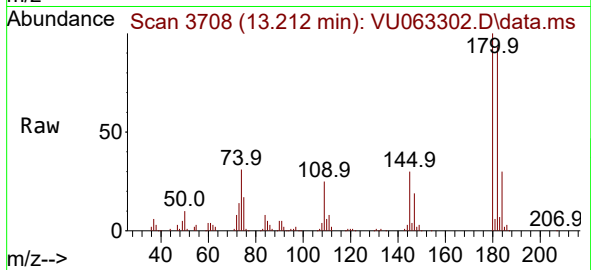
Ion Ratio Lower Upper

180 100

182 95.1 77.2 115.8

184 30.6 24.3 36.5

145 29.9 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 55.10 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063302.D

Acq: 18 Mar 2025 15:03

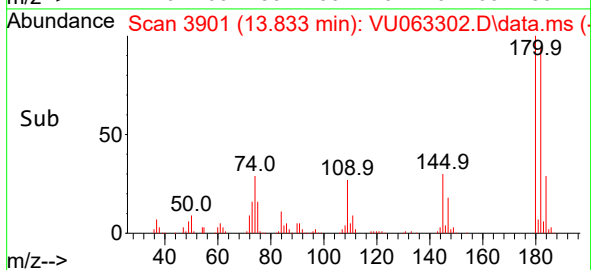
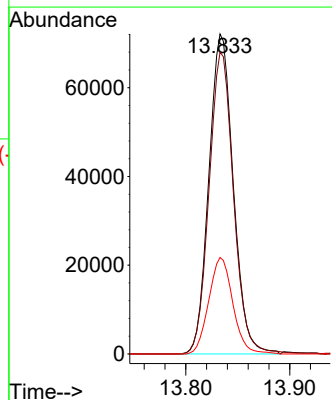
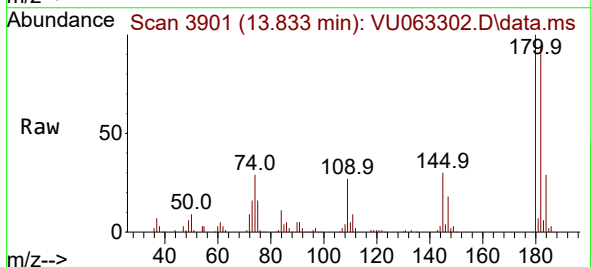
Tgt Ion:180 Resp: 117611

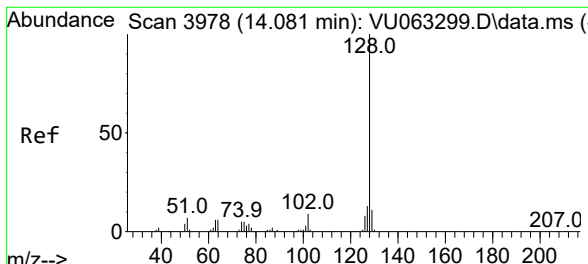
Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.8

145 29.8 24.0 36.0

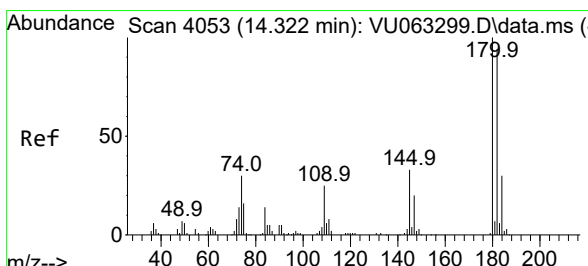
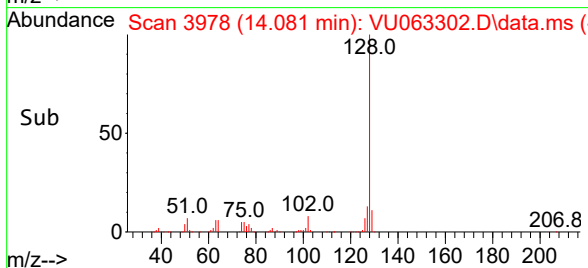
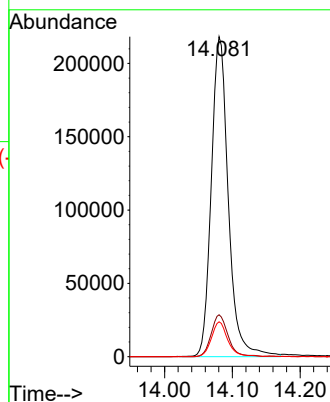
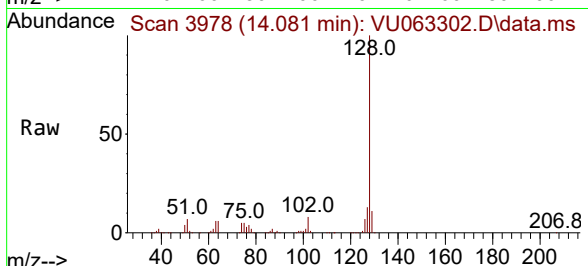




#71
Naphthalene
Concen: 64.94 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

Tgt Ion:	128	Resp:	381412
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.5	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 55.40 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU063302.D
Acq: 18 Mar 2025 15:03

Tgt Ion:	180	Resp:	115566
Ion Ratio	Lower	Upper	
180	100		
182	95.9	77.3	115.9
145	31.3	25.7	38.5

