

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063290.D
 Acq On : 17 Mar 2025 12:00
 Operator : MD/SY
 Sample : VSTD050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050029

Quant Time: Mar 21 08:36:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 08:30:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	286127	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	281885	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	141666	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	115837	53.31	ug/L	0.00
7) Chloroethane-d5	1.894	69	93786	75.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	203020	53.42	ug/L	0.00
21) 2-Butanone-d5	4.608	46	162178	114.67	ug/L	0.00
24) Chloroform-d	5.049	84	216556	54.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	133174	58.11	ug/L	0.00
32) Benzene-d6	5.714	84	435648	52.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	138381	51.48	ug/L	0.00
41) Toluene-d8	7.888	98	395877	51.89	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	63181	50.41	ug/L	0.00
47) 2-Hexanone-d5	8.624	63	101359	88.63	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	200994	50.15	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	135646	49.97	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	122000	54.77	ug/L	100
3) Chloromethane	1.518	50	133587	56.82	ug/L	100
5) Vinyl chloride	1.599	62	136723	51.21	ug/L	100
6) Bromomethane	1.833	94	74788	81.76	ug/L	100
8) Chloroethane	1.917	64	82868	76.90	ug/L	100
9) Trichlorofluoromethane	2.126	101	160138	54.80	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	98322	48.79	ug/L	100
12) 1,1-Dichloroethene	2.566	96	94979	47.93	ug/L	100
13) Acetone	2.615	43	109431	118.67	ug/L	100
14) Carbon disulfide	2.782	76	297199	48.56	ug/L	100
15) Methyl Acetate	2.936	43	124630	57.40	ug/L #	100
16) Methylene chloride	3.029	84	113074	49.28	ug/L	100
17) trans-1,2-Dichloroethene	3.341	96	98914	48.80	ug/L	100
18) Methyl tert-butyl Ether	3.351	73	311429	49.61	ug/L	100
19) 1,1-Dichloroethane	3.853	63	198969	52.60	ug/L	100
20) cis-1,2-Dichloroethene	4.653	96	112862	49.10	ug/L	100
22) 2-Butanone	4.689	43	161729	111.26	ug/L	100
23) Bromochloromethane	4.959	128	58229	49.78	ug/L	100
25) Chloroform	5.074	83	203004	52.85	ug/L	100
27) 1,2-Dichloroethane	5.782	62	161193	56.52	ug/L	100
29) Cyclohexane	5.377	56	170331	48.16	ug/L	100
30) 1,1,1-Trichloroethane	5.303	97	163056	48.33	ug/L	100
31) Carbon tetrachloride	5.512	117	140717	48.63	ug/L	100
33) Benzene	5.762	78	447445	50.12	ug/L	100
34) Trichloroethene	6.531	95	113725	47.25	ug/L	100
35) Methylcyclohexane	6.753	83	171396	47.06	ug/L	100
37) 1,2-Dichloropropane	6.779	63	126503	51.12	ug/L	100
38) Bromodichloromethane	7.094	83	153117	51.85	ug/L	100
39) cis-1,3-Dichloropropene	7.598	75	182942	49.63	ug/L	100
40) 4-Methyl-2-pentanone	7.778	43	316090	104.27	ug/L	100
42) Toluene	7.959	91	482049	50.23	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	171032	50.04	ug/L	100

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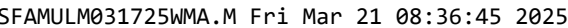
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050029

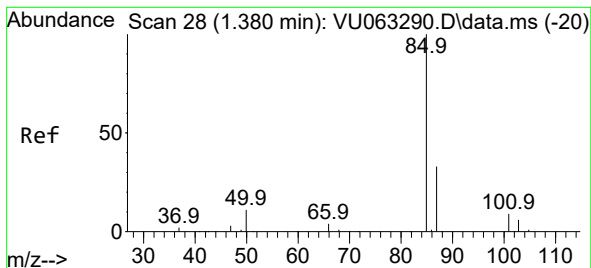
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 08:30:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.389	97	116050	48.69	ug/L	100
46) Tetrachloroethene	8.544	164	84245	49.26	ug/L	100
48) 2-Hexanone	8.672	43	245946	105.40	ug/L	100
49) Dibromochloromethane	8.801	129	114282	47.65	ug/L	100
50) 1,2-Dibromoethane	8.913	107	121959	47.83	ug/L	100
51) Chlorobenzene	9.438	112	289068	48.41	ug/L	100
52) Ethylbenzene	9.563	91	501337	48.52	ug/L	100
53) m,p-Xylene	9.685	106	187703	48.80	ug/L	100
54) o-Xylene	10.090	106	182390	47.23	ug/L	100
55) Styrene	10.106	104	312531	47.52	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	199339	47.75	ug/L	100
59) Bromoform	10.280	173	90112	47.65	ug/L	100
60) 1,2,3-Trichloropropane	10.810	75	153148	50.34	ug/L	100
61) Isopropylbenzene	10.476	105	486343	50.37	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	388104	49.36	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	374676	48.19	ug/L	100
64) 1,3-Dichlorobenzene	11.736	146	220197	47.73	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	222372	46.46	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	217295	47.66	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	41282	50.17	ug/L	100
69) 1,3,5-Trichlorobenzene	13.212	180	150446	48.32	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	117883	44.26	ug/L	100
71) Naphthalene	14.080	128	301117	37.36	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	114927	44.56	ug/L	100

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

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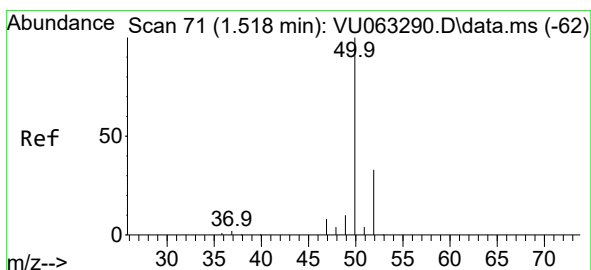
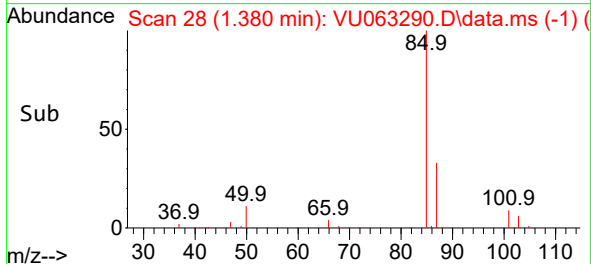
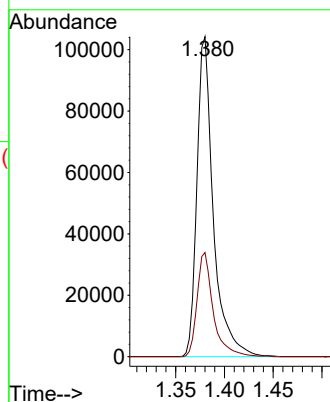
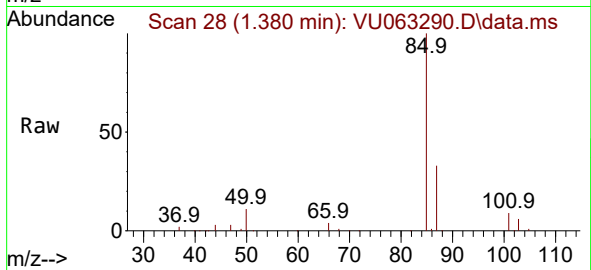




#2
Dichlorodifluoromethane
Concen: 54.77 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

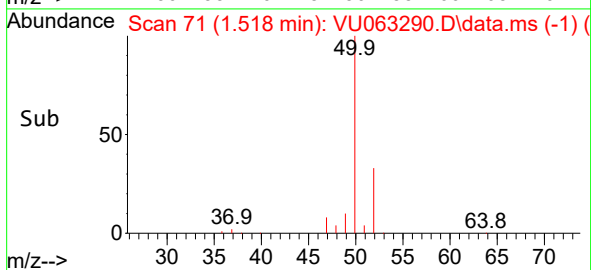
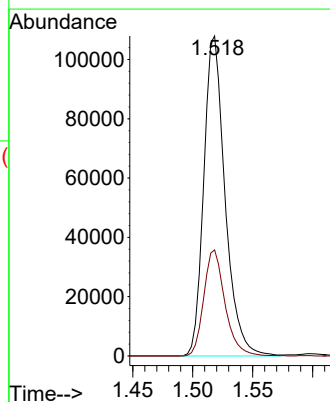
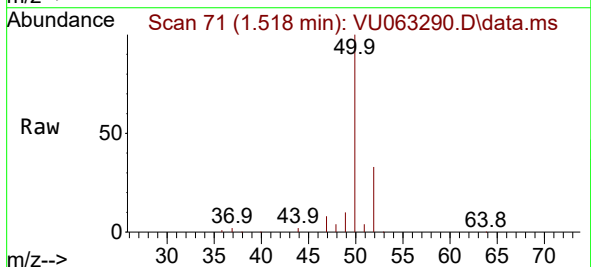
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

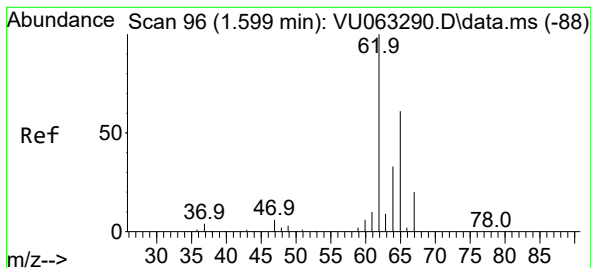
Tgt Ion: 85 Resp: 122000
Ion Ratio Lower Upper
85 100
87 32.2 25.8 38.6



#3
Chloromethane
Concen: 56.82 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 50 Resp: 133587
Ion Ratio Lower Upper
50 100
52 33.1 23.2 43.0





#5

Vinyl chloride

Concen: 51.21 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

Instrument :

MSVOA_U

ClientSampleId :

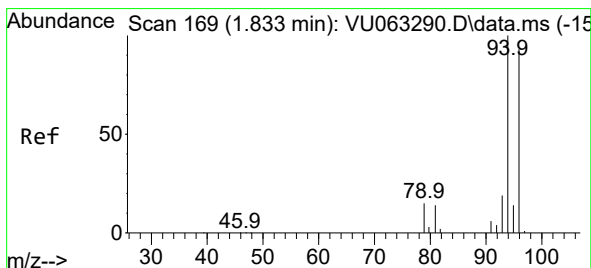
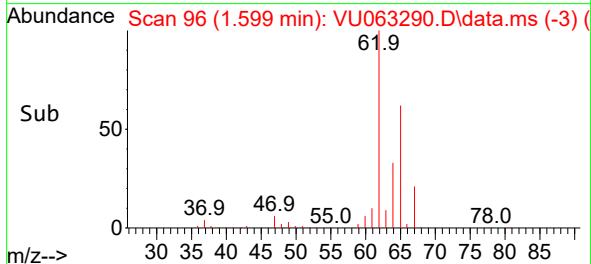
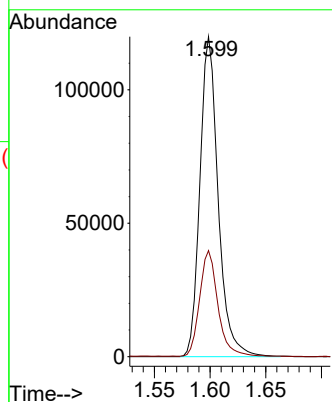
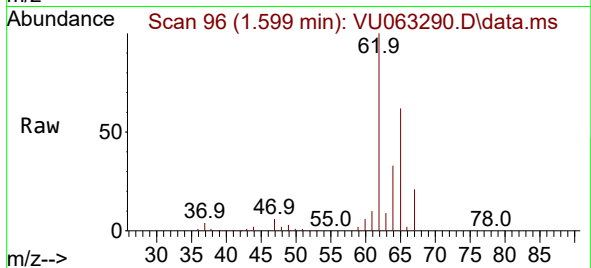
VSTD050029

Tgt Ion: 62 Resp: 136723

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.2



#6

Bromomethane

Concen: 81.76 ug/L

RT: 1.833 min Scan# 169

Delta R.T. 0.000 min

Lab File: VU063290.D

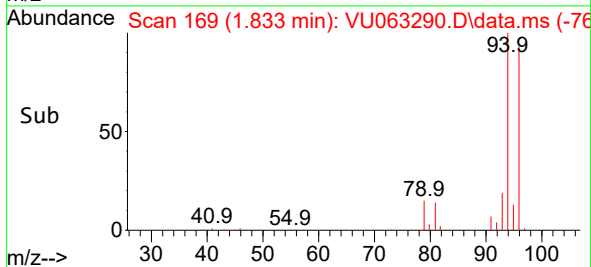
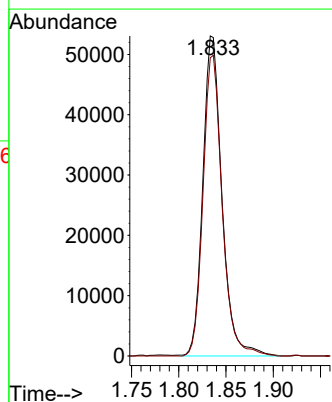
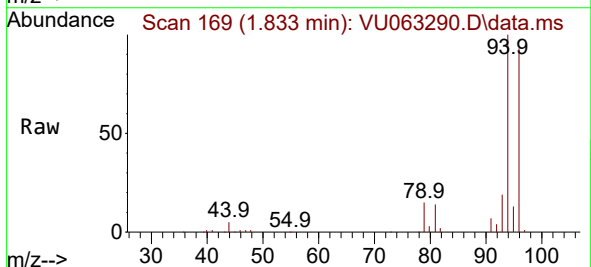
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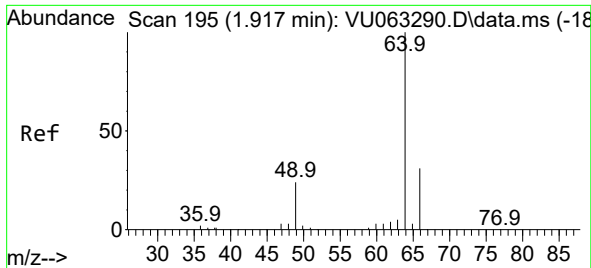
Tgt Ion: 94 Resp: 74788

Ion Ratio Lower Upper

94 100

96 93.2 65.2 121.2

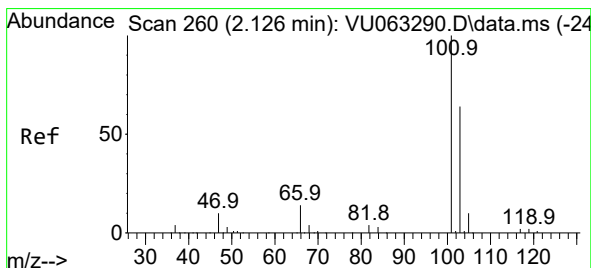
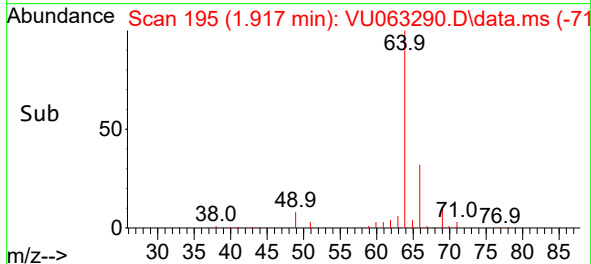
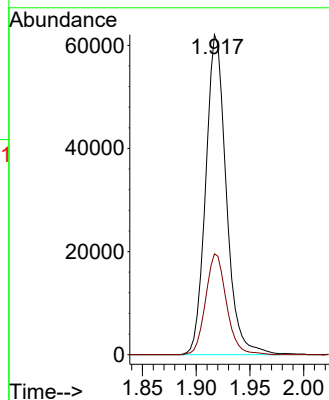
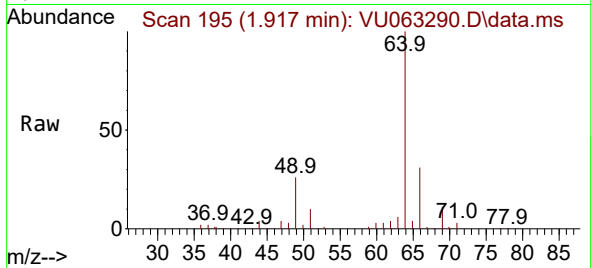




#8
Chloroethane
Concen: 76.90 ug/L
RT: 1.917 min Scan# 195
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

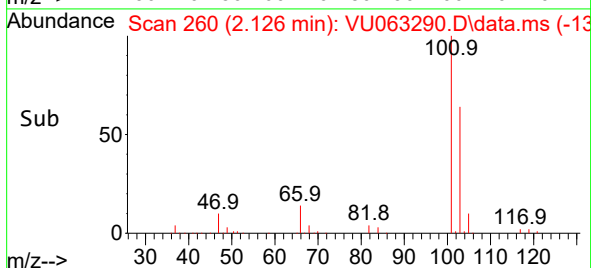
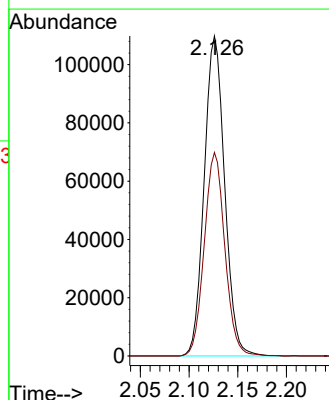
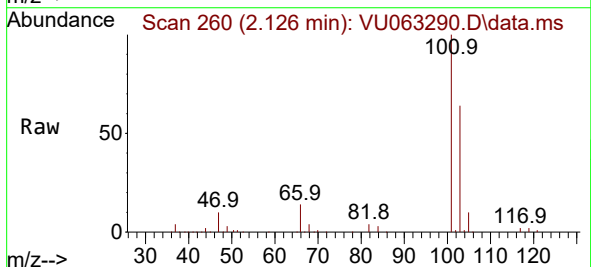
Instrument :
MSVOA_U
ClientSampleId :
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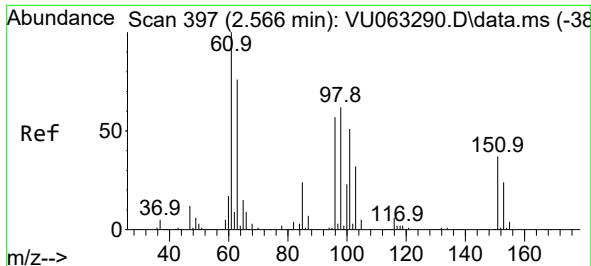
Tgt Ion: 64 Resp: 82868
Ion Ratio Lower Upper
64 100
66 31.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 54.80 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion:101 Resp: 160138
Ion Ratio Lower Upper
101 100
103 64.0 51.2 76.8

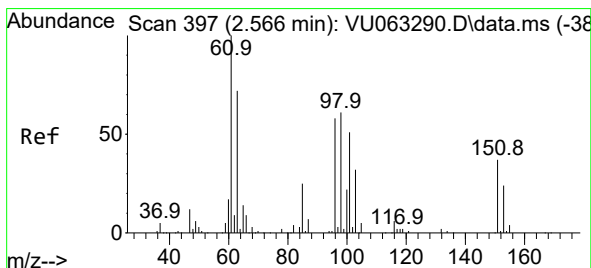
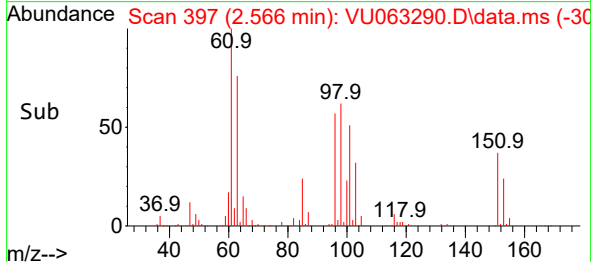
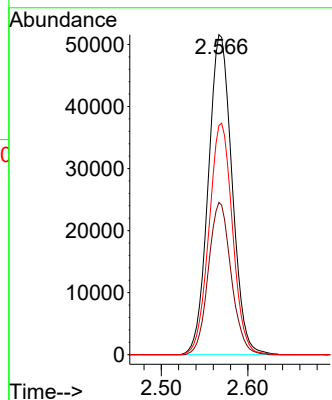
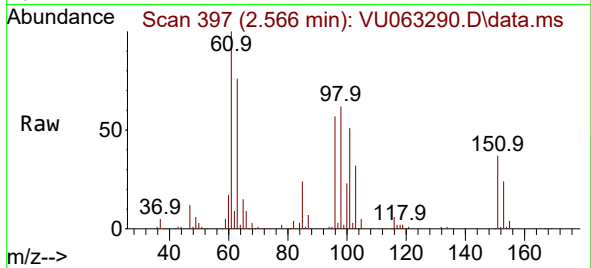




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.79 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063290.D
 Acq: 17 Mar 2025 12:00

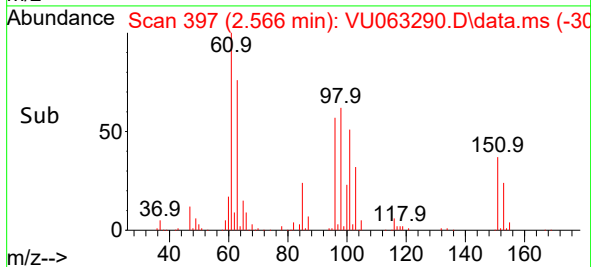
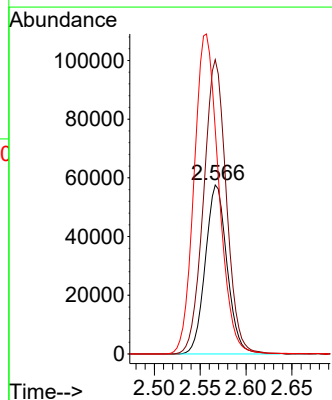
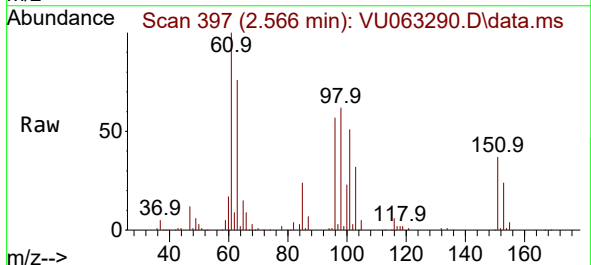
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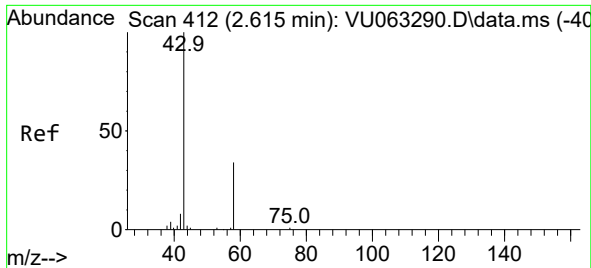
Tgt Ion:101 Resp: 98322
 Ion Ratio Lower Upper
 101 100
 85 45.6 36.5 54.7
 151 71.7 57.4 86.0



#12
 1,1-Dichloroethene
 Concen: 47.93 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063290.D
 Acq: 17 Mar 2025 12:00

Tgt Ion: 96 Resp: 94979
 Ion Ratio Lower Upper
 96 100
 61 174.2 121.9 226.5
 63 133.1 93.2 173.0





#13

Acetone

Concen: 118.67 ug/L

RT: 2.615 min Scan# 412

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

Instrument :

MSVOA_U

ClientSampleId :

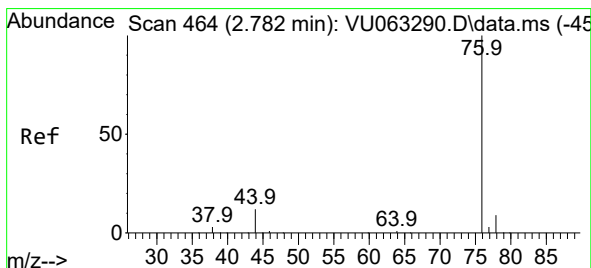
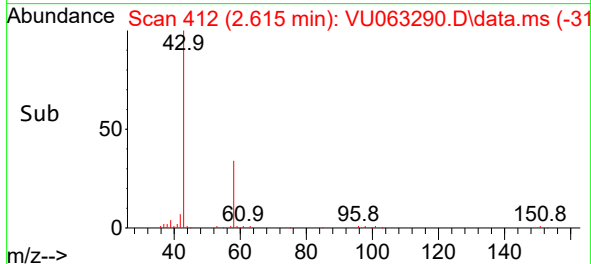
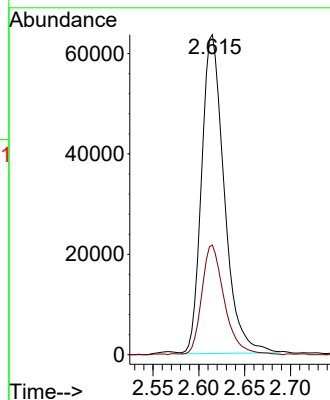
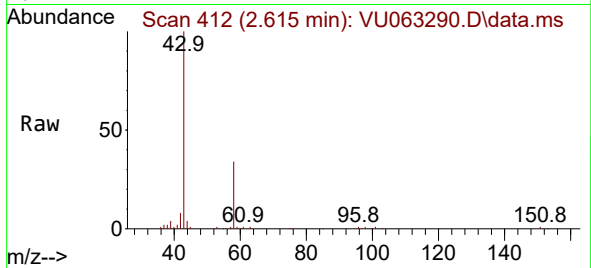
VSTD050029

Tgt Ion: 43 Resp: 109431

Ion Ratio Lower Upper

43 100

58 34.2 0.0 68.4



#14

Carbon disulfide

Concen: 48.56 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063290.D

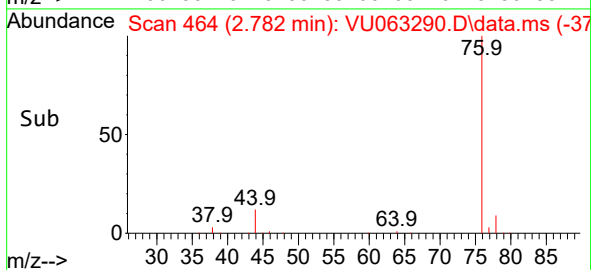
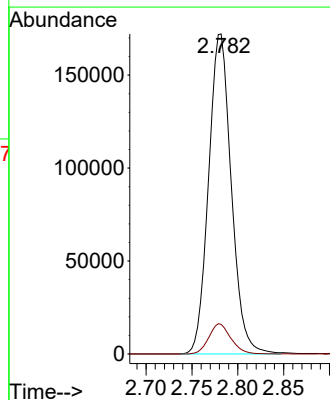
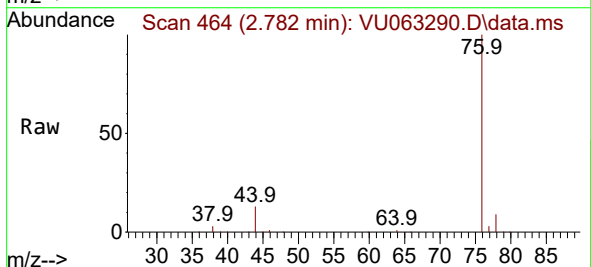
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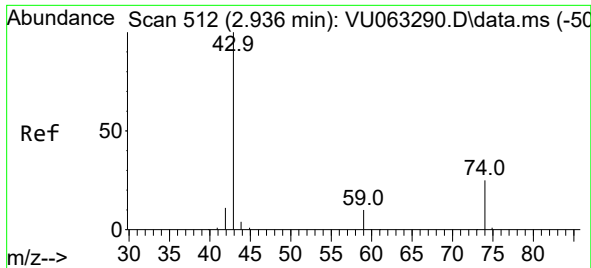
Tgt Ion: 76 Resp: 297199

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

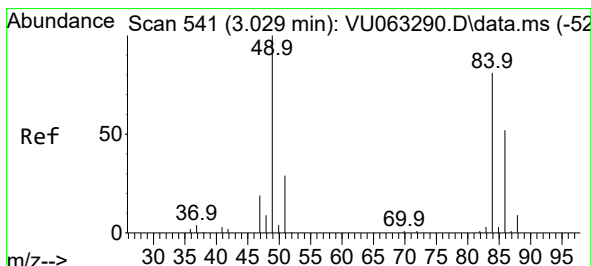
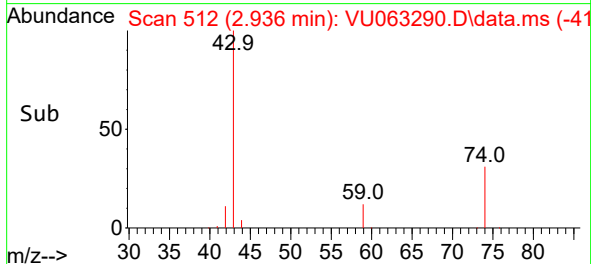
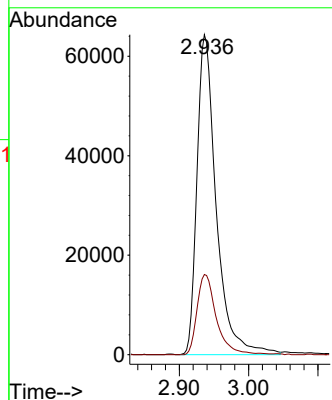
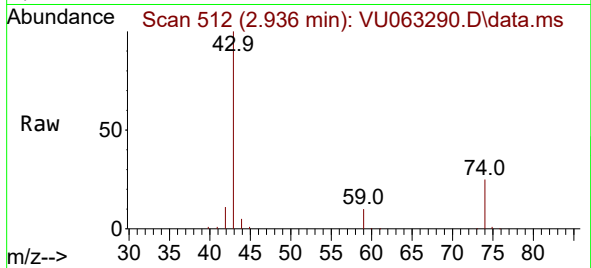




#15
Methyl Acetate
Concen: 57.40 ug/L
RT: 2.936 min Scan# 512
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

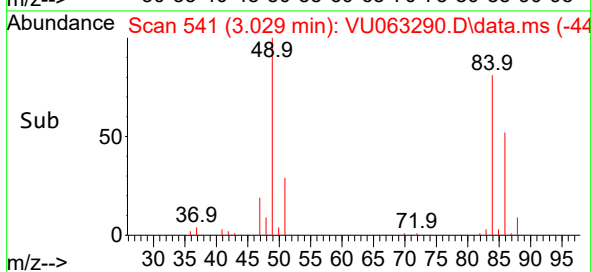
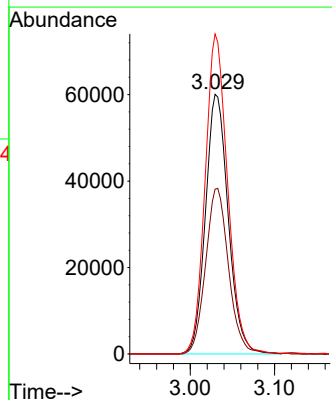
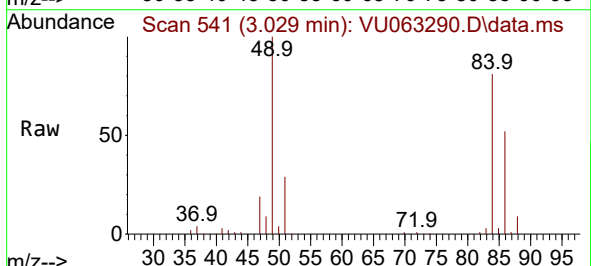
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

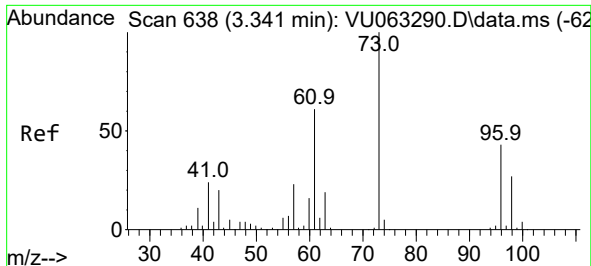
Tgt Ion: 43 Resp: 124630
Ion Ratio Lower Upper
43 100
74 24.9 0.0 0.0#



#16
Methylene chloride
Concen: 49.28 ug/L
RT: 3.029 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 84 Resp: 113074
Ion Ratio Lower Upper
84 100
86 63.5 44.4 82.5
49 123.3 86.3 160.3

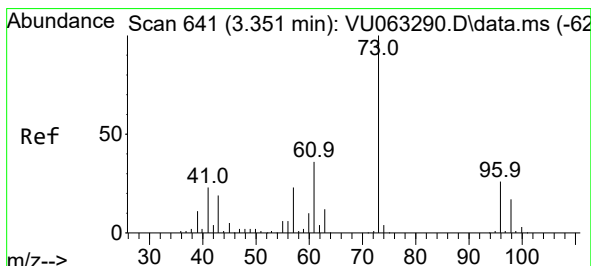
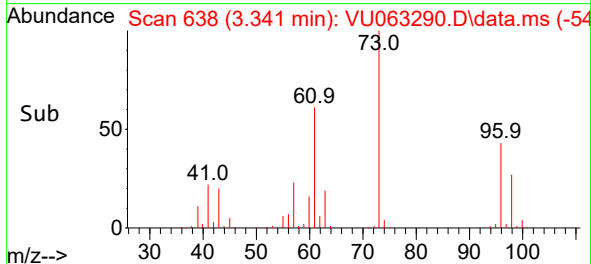
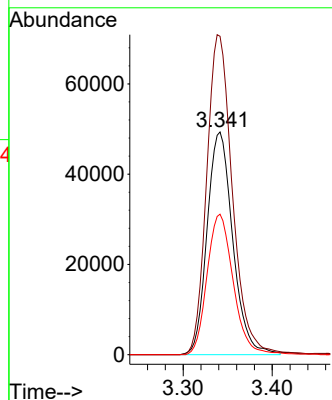
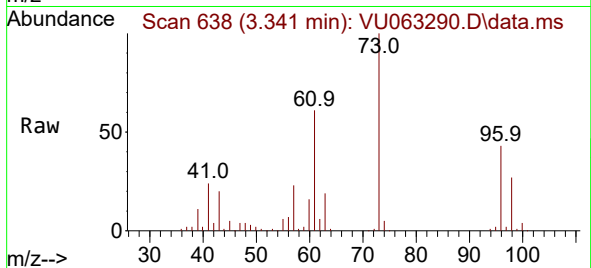




#17
trans-1,2-Dichloroethene
Concen: 48.80 ug/L
RT: 3.341 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

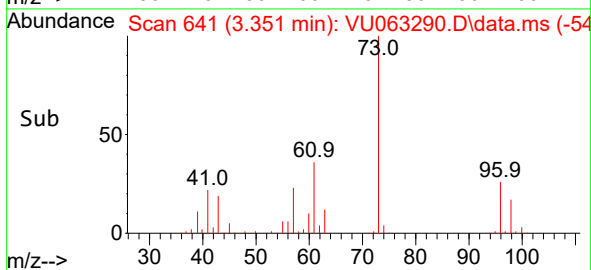
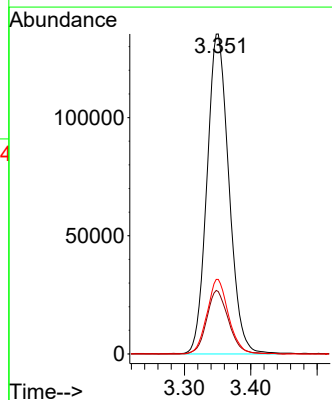
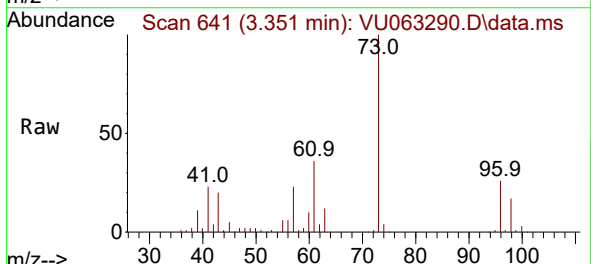
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

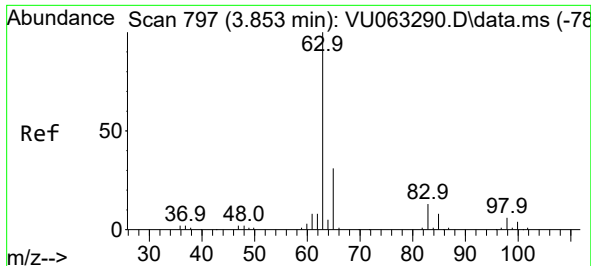
Tgt Ion: 96 Resp: 98914
Ion Ratio Lower Upper
96 100
61 143.0 100.1 185.9
98 63.1 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 49.61 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 73 Resp: 311429
Ion Ratio Lower Upper
73 100
43 19.3 15.4 23.2
57 22.9 18.3 27.5





#19

1,1-Dichloroethane

Concen: 52.60 ug/L

RT: 3.853 min Scan# 797

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD050029

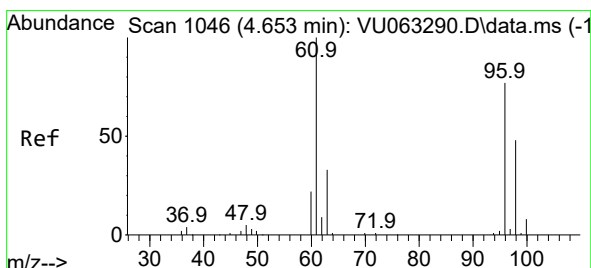
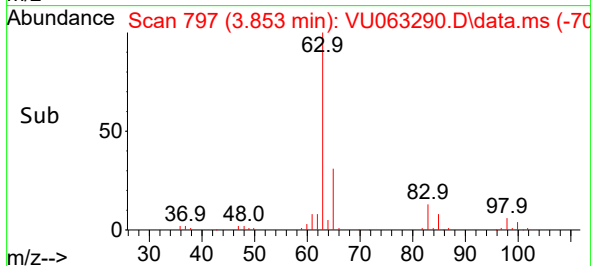
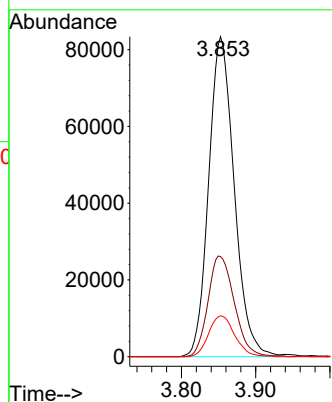
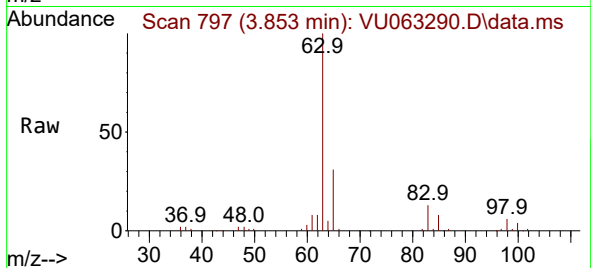
Tgt Ion: 63 Resp: 198969

Ion Ratio Lower Upper

63 100

65 31.3 21.9 40.7

83 12.8 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 49.10 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

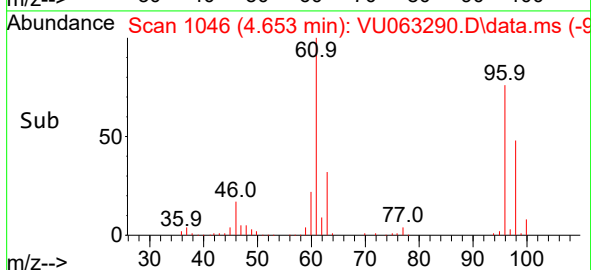
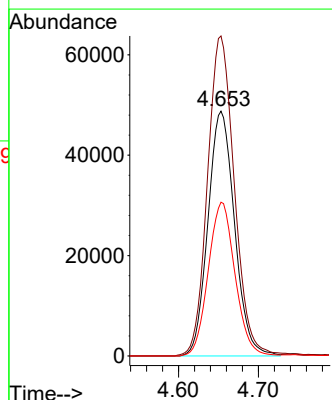
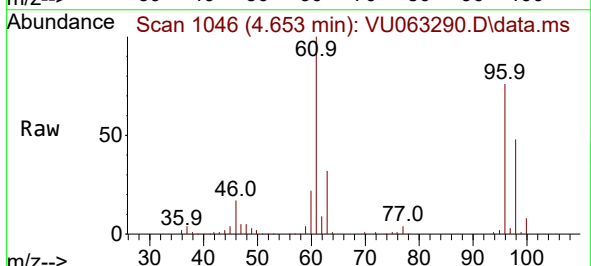
Tgt Ion: 96 Resp: 112862

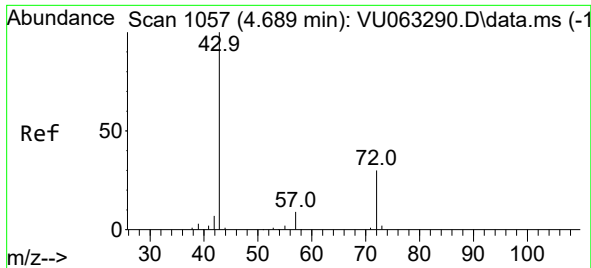
Ion Ratio Lower Upper

96 100

61 130.8 91.6 170.0

98 62.9 44.0 81.8

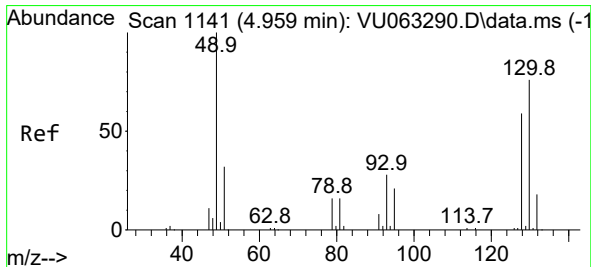
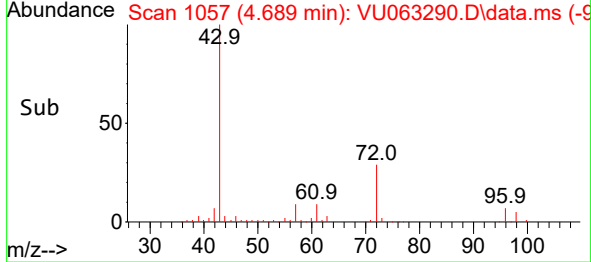
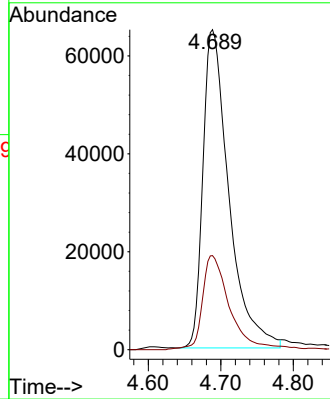
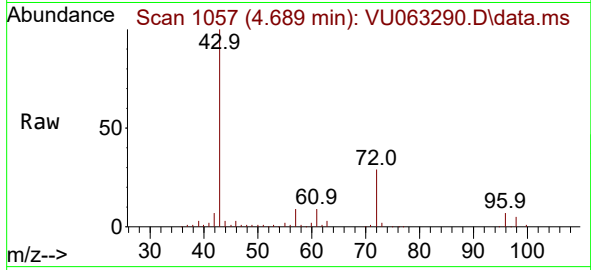




#22
2-Butanone
Concen: 111.26 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

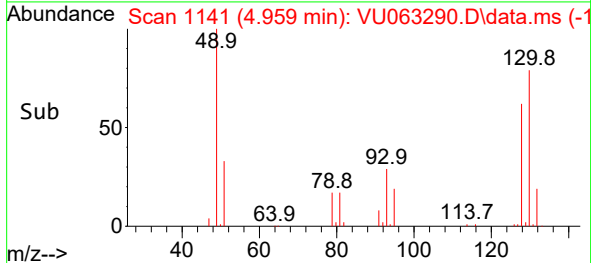
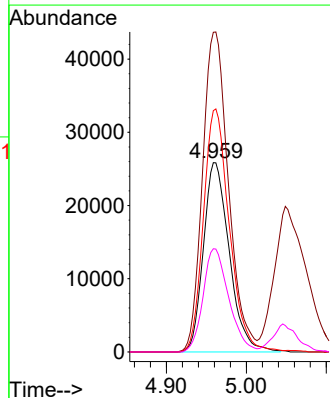
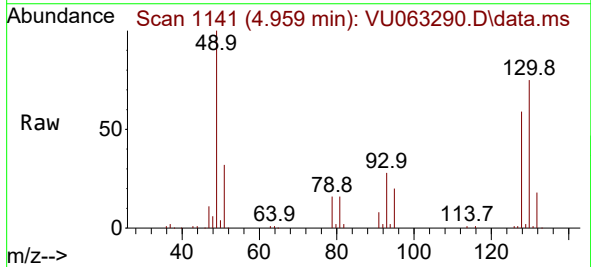
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

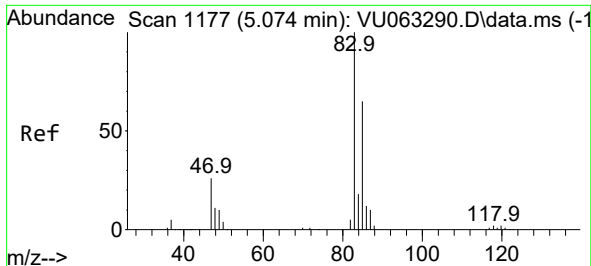
Tgt Ion: 43 Resp: 161729
Ion Ratio Lower Upper
43 100
72 30.9 15.4 46.4



#23
Bromochloromethane
Concen: 49.78 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion:128 Resp: 58229
Ion Ratio Lower Upper
128 100
49 168.9 118.2 219.6
130 127.5 89.2 165.8
51 54.5 43.6 65.4

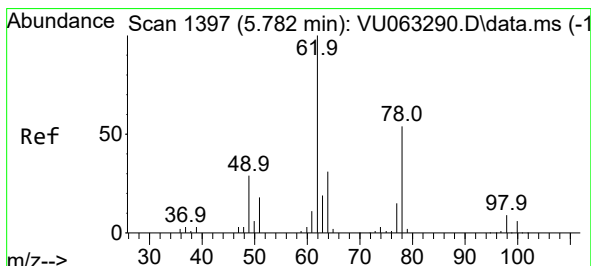
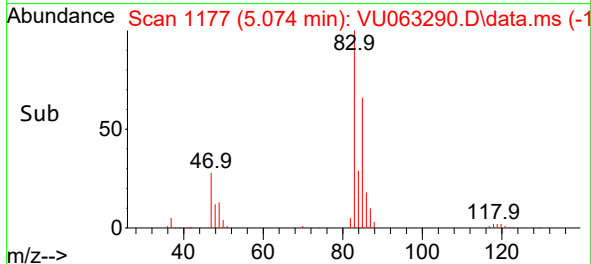
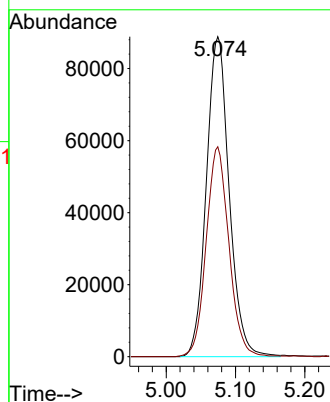
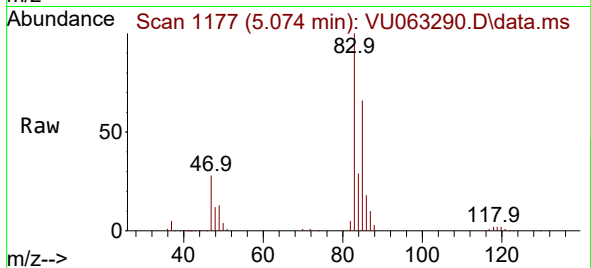




#25
Chloroform
Concen: 52.85 ug/L
RT: 5.074 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

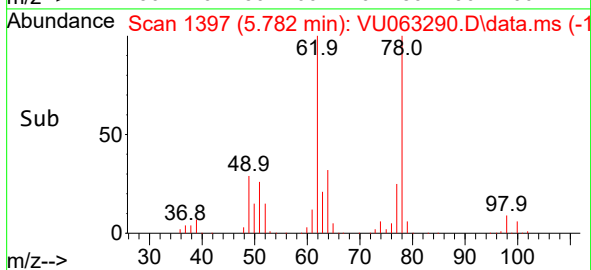
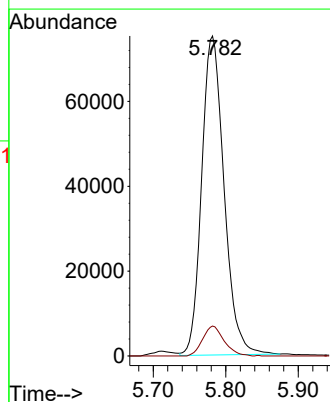
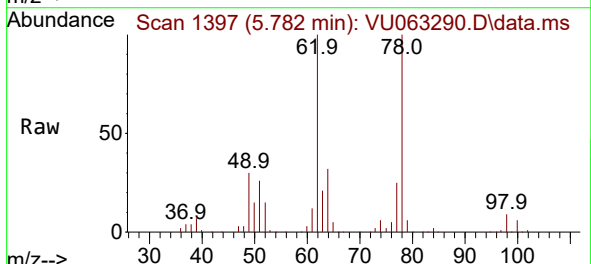
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

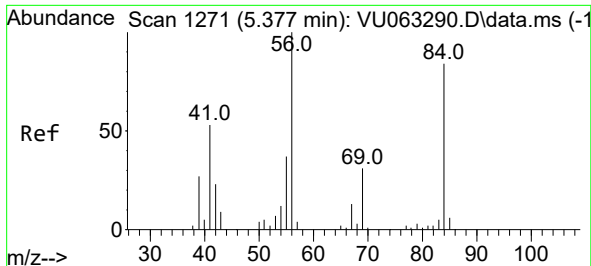
Tgt Ion: 83 Resp: 203004
Ion Ratio Lower Upper
83 100
85 65.6 45.9 85.3



#27
1,2-Dichloroethane
Concen: 56.52 ug/L
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 62 Resp: 161193
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

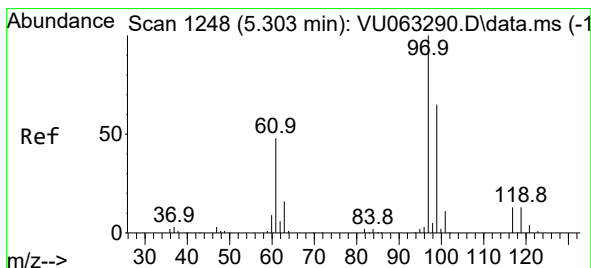
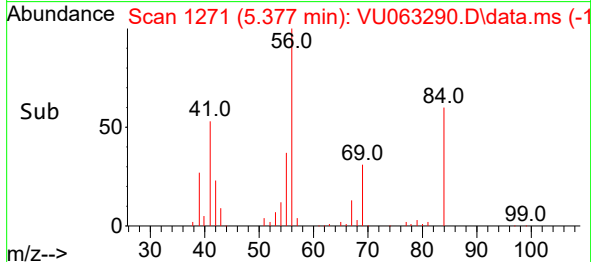
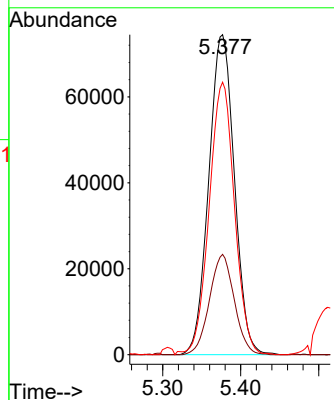
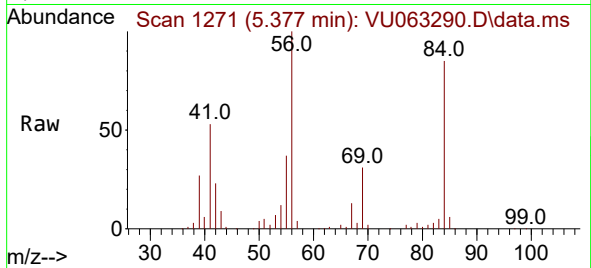




#29
Cyclohexane
Concen: 48.16 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

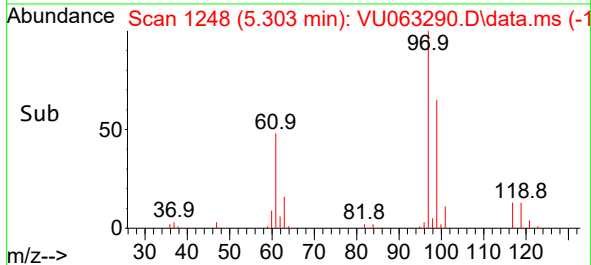
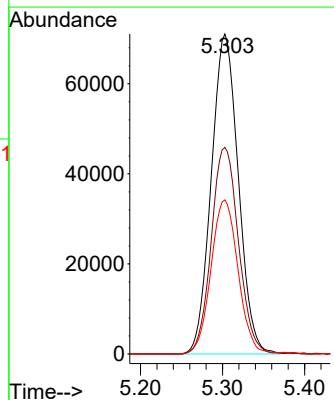
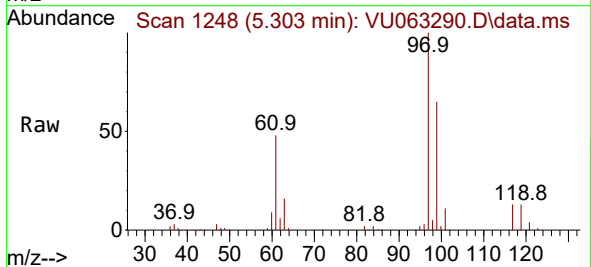
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

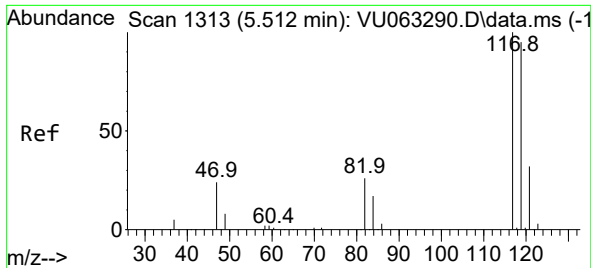
Tgt Ion: 56 Resp: 170331
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.4
84 84.0 67.2 100.8



#30
1,1,1-Trichloroethane
Concen: 48.33 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 97 Resp: 163056
Ion Ratio Lower Upper
97 100
99 65.1 52.1 78.1
61 48.2 38.6 57.8

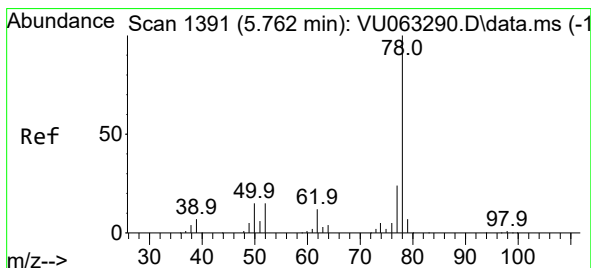
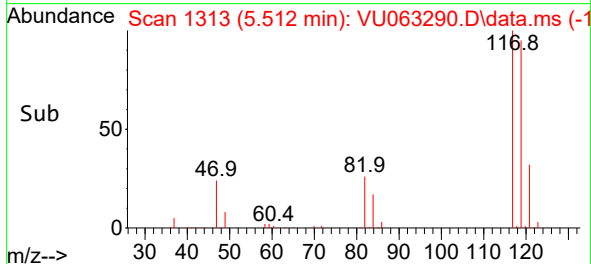
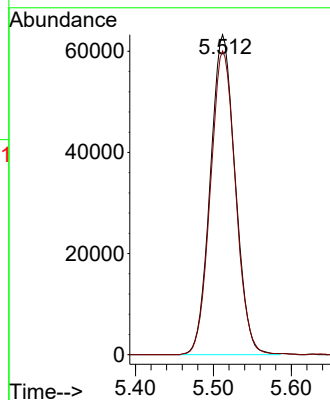
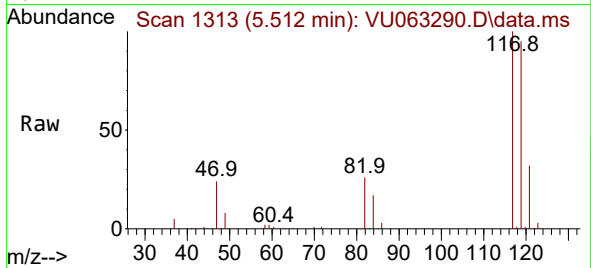




#31
Carbon tetrachloride
Concen: 48.63 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

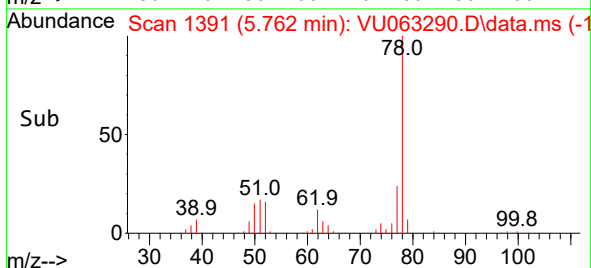
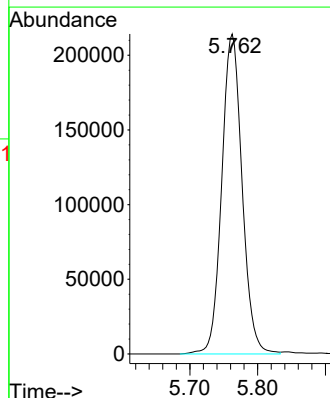
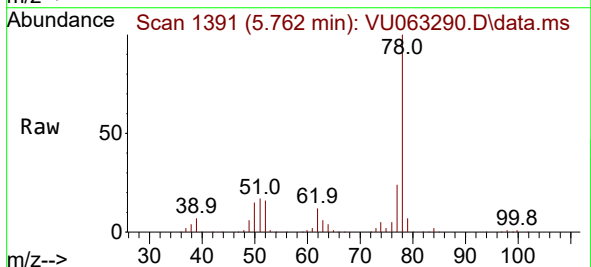
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

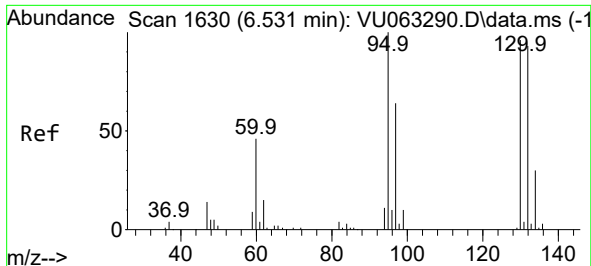
Tgt Ion:117 Resp: 140717
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5



#33
Benzene
Concen: 50.12 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 78 Resp: 447445

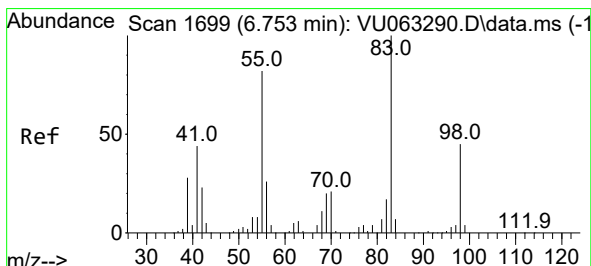
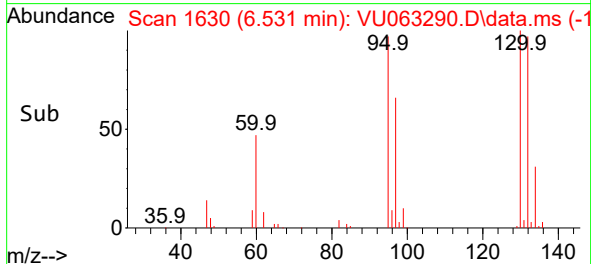
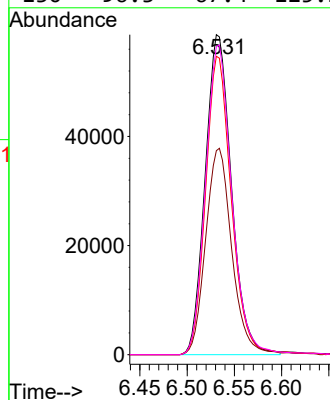
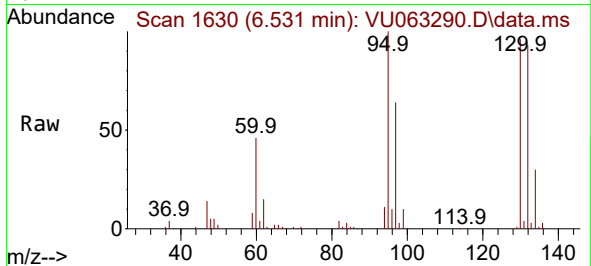




#34
Trichloroethene
Concen: 47.25 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

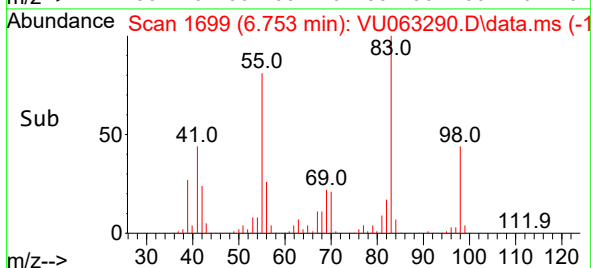
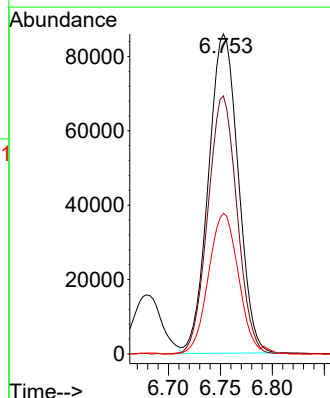
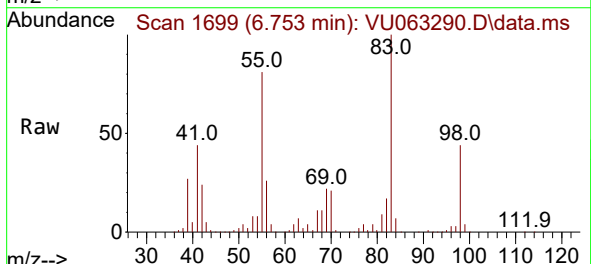
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

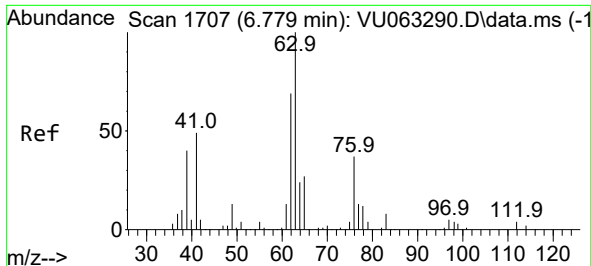
Tgt Ion: 95 Resp: 113725
Ion Ratio Lower Upper
95 100
97 63.7 44.6 82.8
132 93.3 65.3 121.3
130 96.3 67.4 125.2



#35
Methylcyclohexane
Concen: 47.06 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 83 Resp: 171396
Ion Ratio Lower Upper
83 100
55 79.3 63.4 95.2
98 44.0 35.2 52.8





#37

1,2-Dichloropropane

Concen: 51.12 ug/L

RT: 6.779 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

Instrument :

MSVOA_U

ClientSampleId :

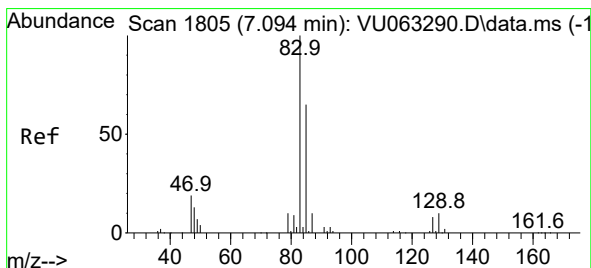
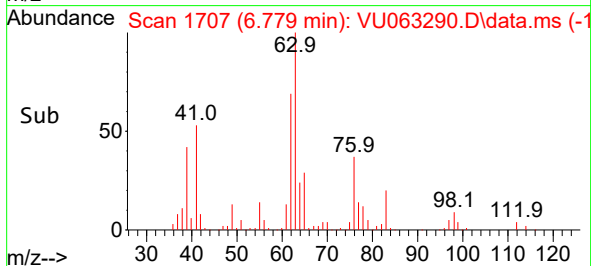
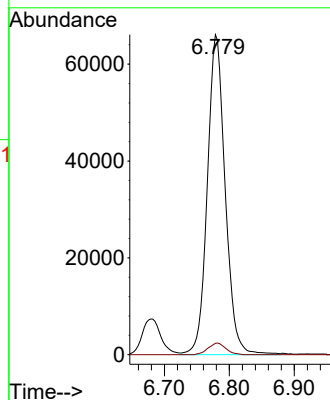
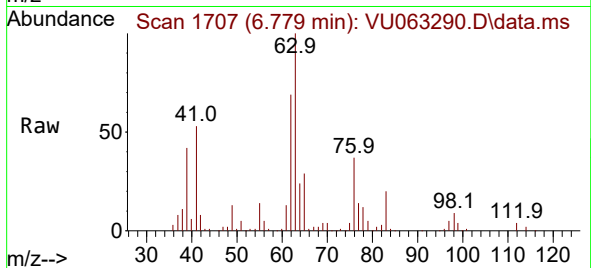
VSTD050029

Tgt Ion: 63 Resp: 126503

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



#38

Bromodichloromethane

Concen: 51.85 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

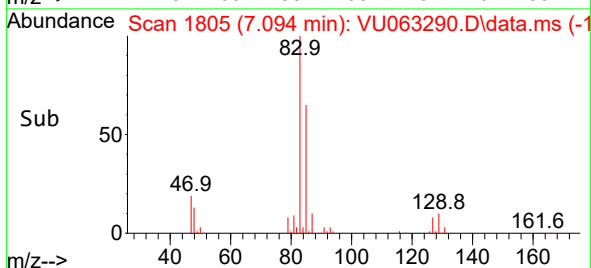
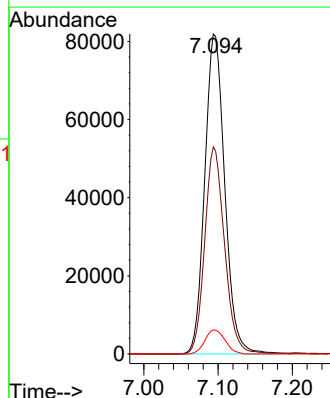
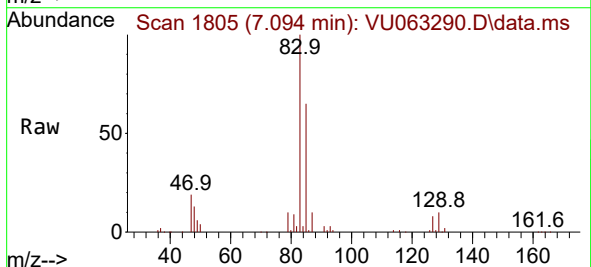
Tgt Ion: 83 Resp: 153117

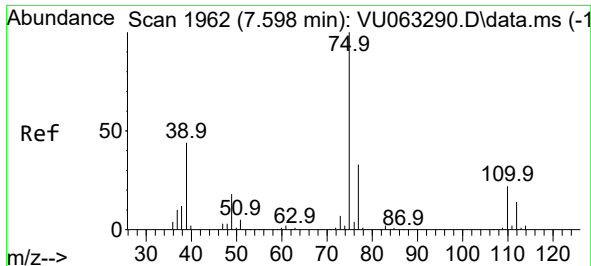
Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

127 7.5 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 49.63 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

Instrument :

MSVOA_U

ClientSampleId :

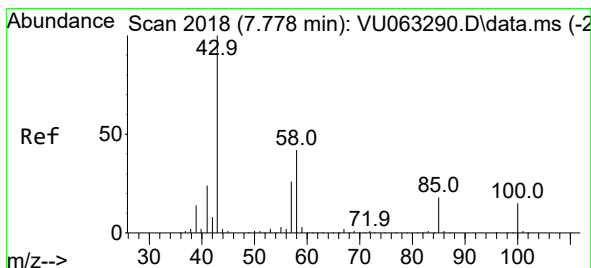
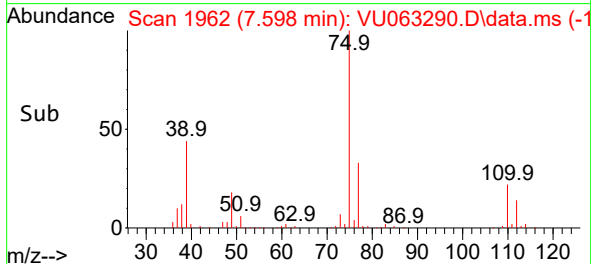
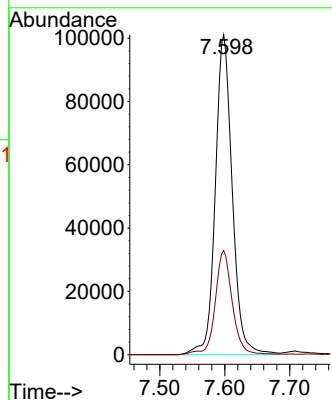
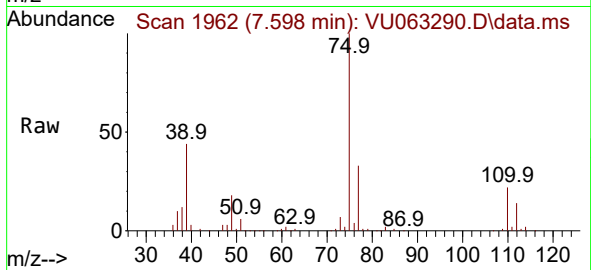
VSTD050029

Tgt Ion: 75 Resp: 182942

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 104.27 ug/L

RT: 7.778 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

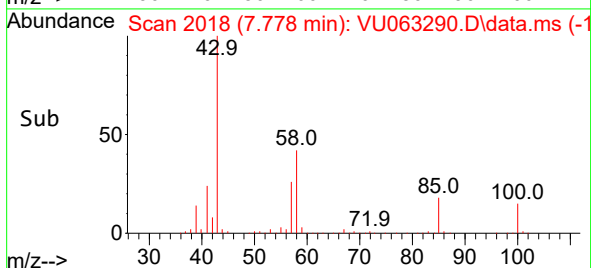
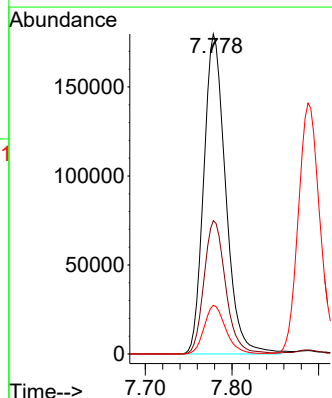
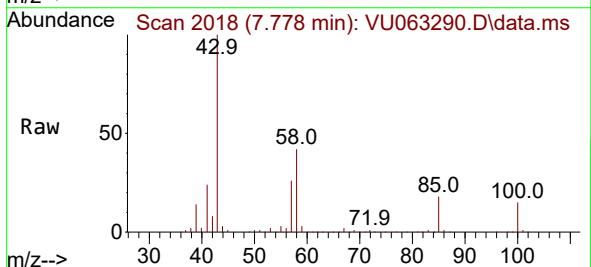
Tgt Ion: 43 Resp: 316090

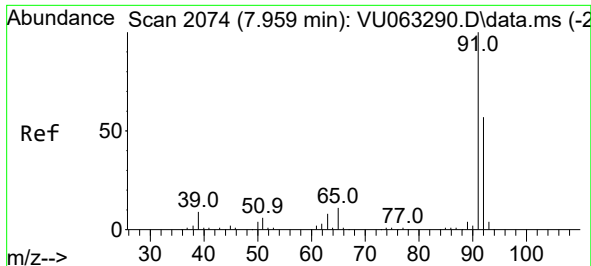
Ion Ratio Lower Upper

43 100

58 41.3 33.0 49.6

100 14.9 11.9 17.9

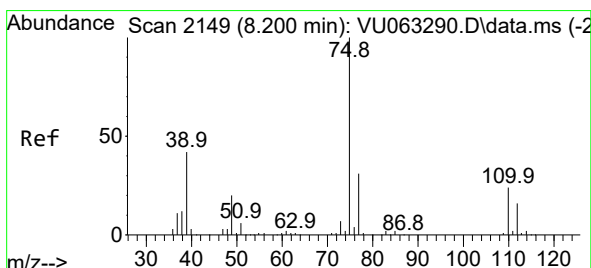
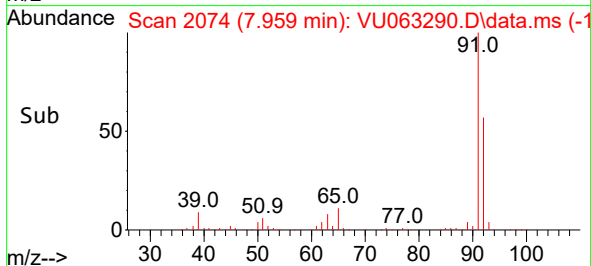
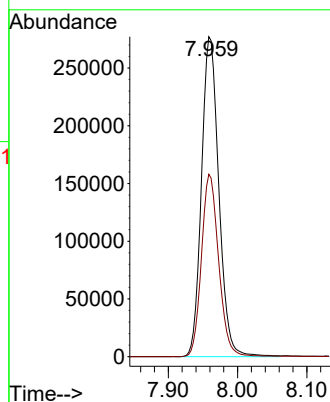
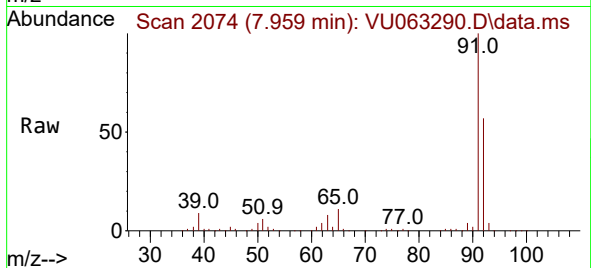




#42
Toluene
Concen: 50.23 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

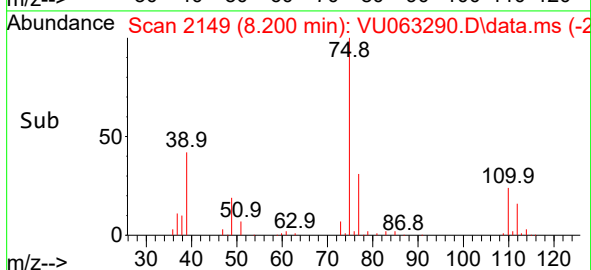
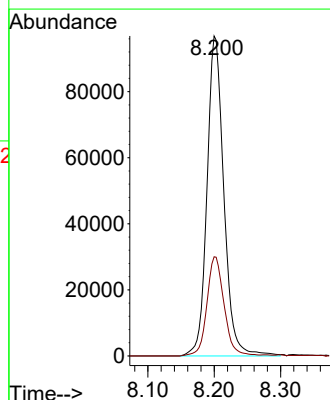
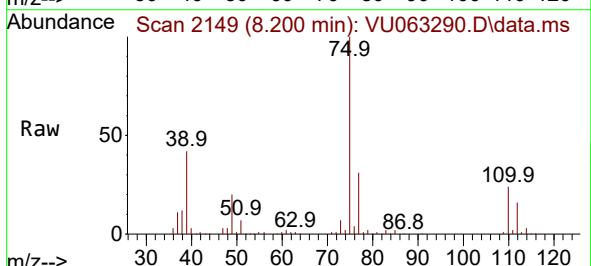
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

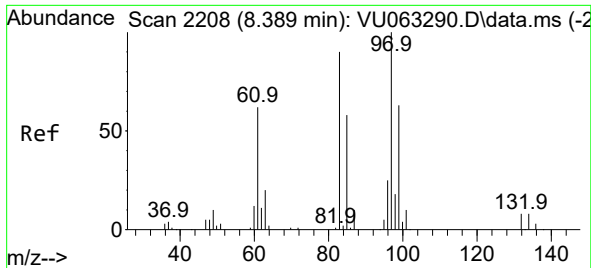
Tgt Ion: 91 Resp: 482049
Ion Ratio Lower Upper
91 100
92 57.0 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 50.04 ug/L
RT: 8.200 min Scan# 2149
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 75 Resp: 171032
Ion Ratio Lower Upper
75 100
77 31.0 21.7 40.3



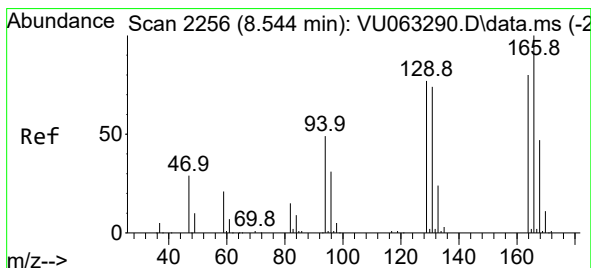
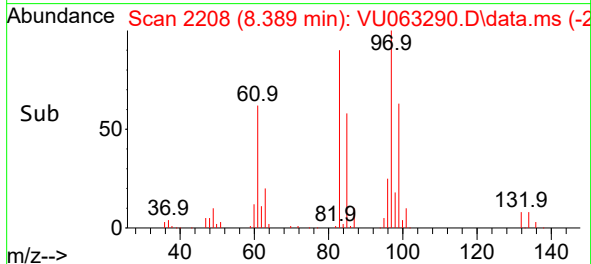
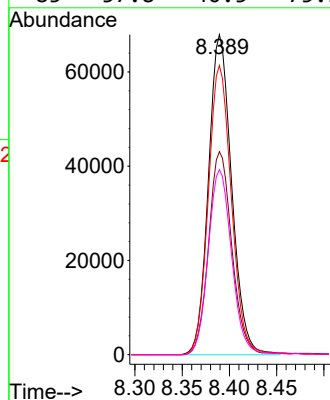
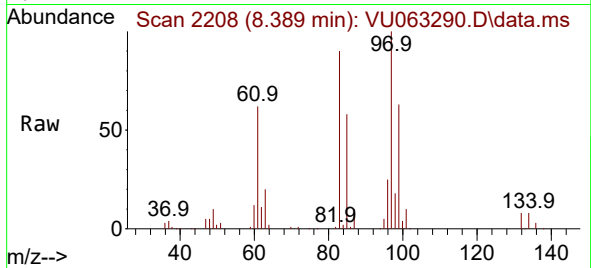


#45
1,1,2-Trichloroethane
Concen: 48.69 ug/L
RT: 8.389 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

Tgt Ion: 97 Resp: 116050

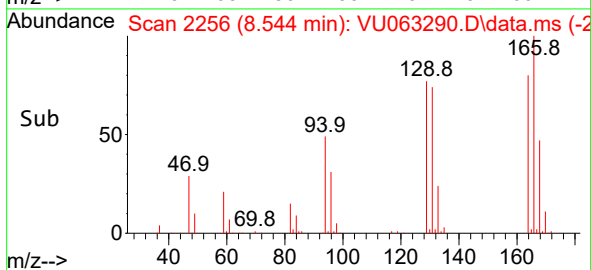
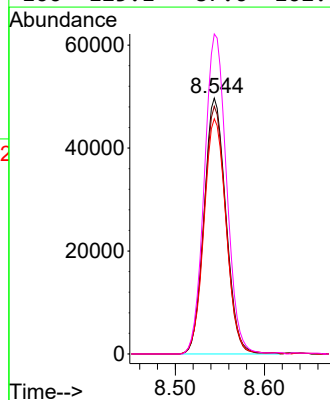
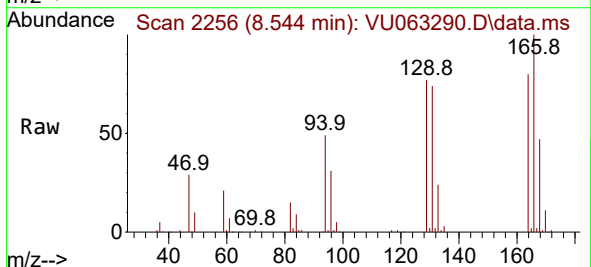
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.4	82.4
83	90.4	63.3	117.5
85	57.8	40.5	75.1

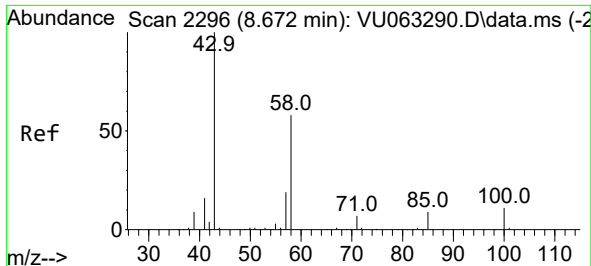


#46
Tetrachloroethene
Concen: 49.26 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 164 Resp: 84245

Ion	Ratio	Lower	Upper
164	100		
129	96.8	67.8	125.8
131	91.9	64.3	119.5
166	125.1	87.6	162.6



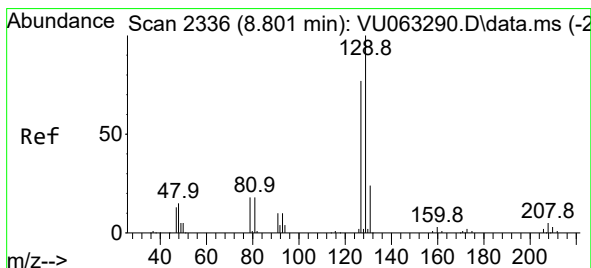
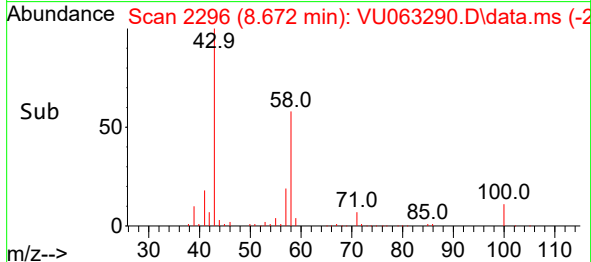
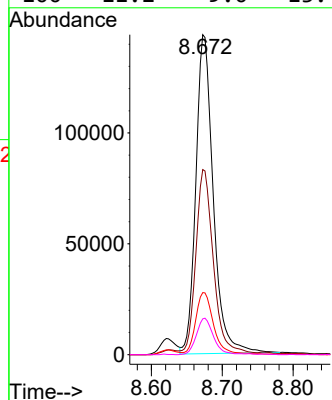
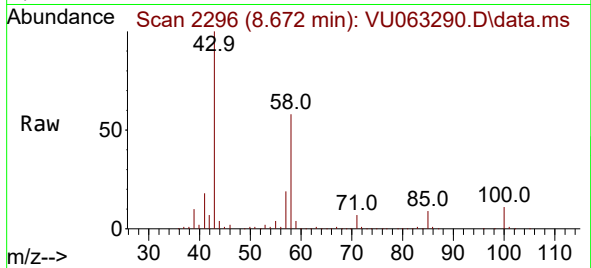


#48
2-Hexanone
Concen: 105.40 ug/L
RT: 8.672 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

Tgt Ion: 43 Resp: 245946

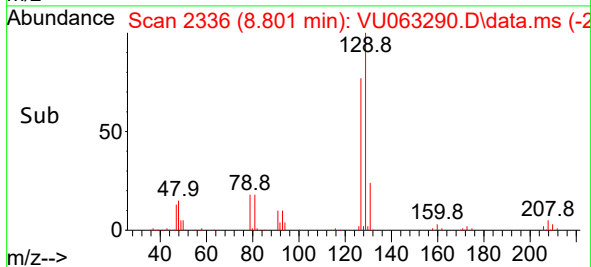
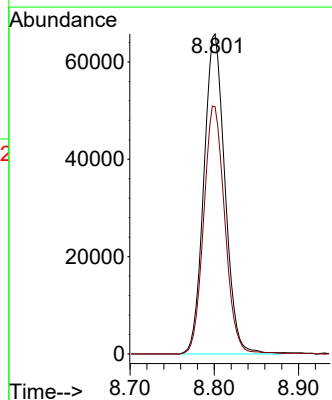
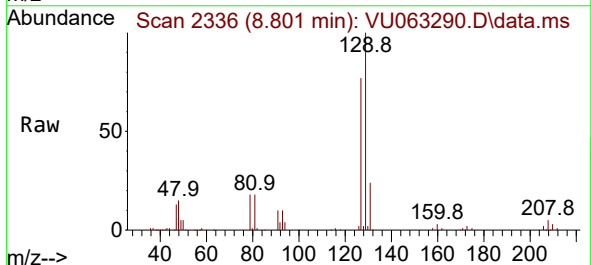
Ion	Ratio	Lower	Upper
43	100		
58	58.2	46.6	69.8
57	19.7	15.8	23.6
100	11.2	9.0	13.4

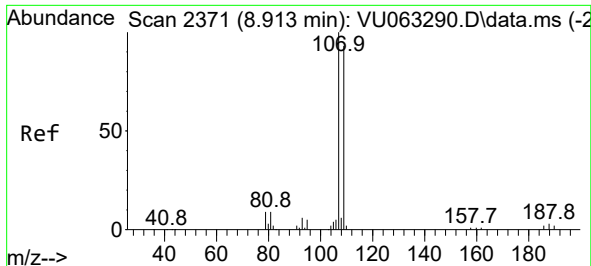


#49
Dibromochloromethane
Concen: 47.65 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 129 Resp: 114282

Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.0	100.4

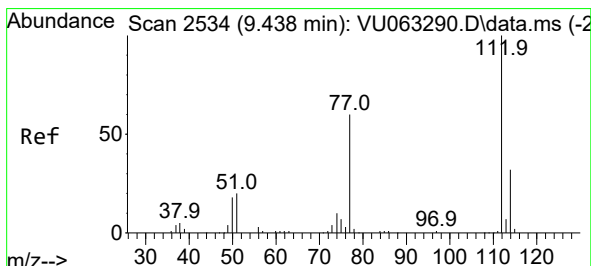
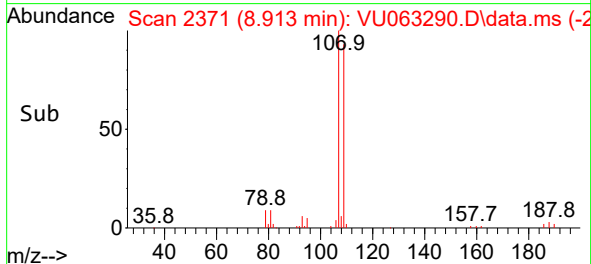
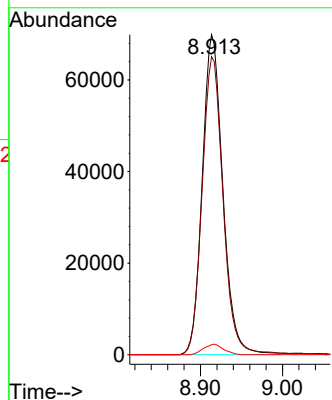
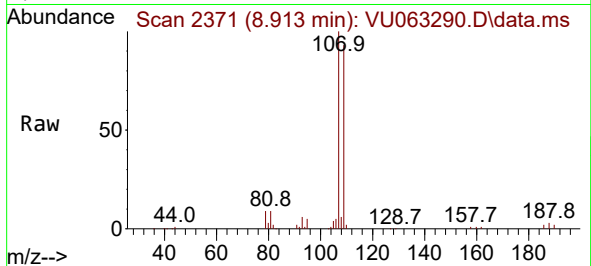




#50
1,2-Dibromoethane
Concen: 47.83 ug/L
RT: 8.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

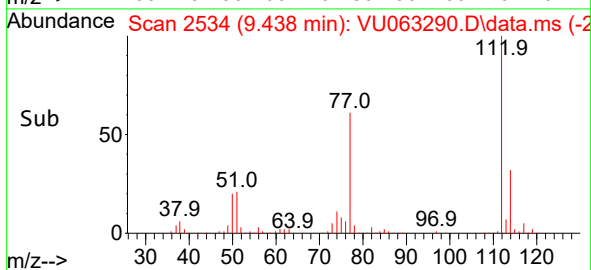
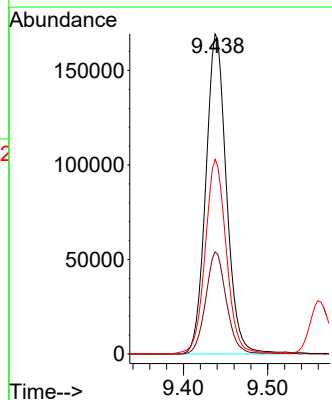
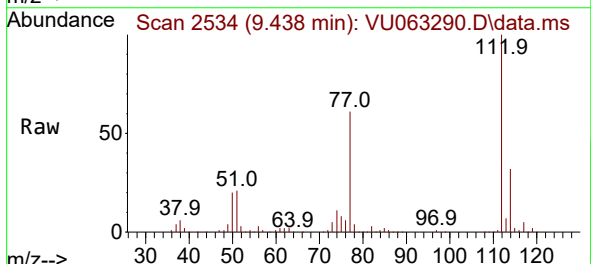
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

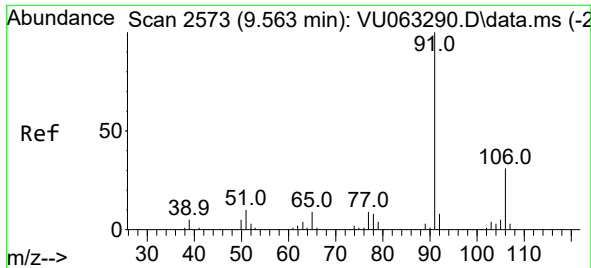
Tgt Ion:107 Resp: 121959
Ion Ratio Lower Upper
107 100
109 93.1 65.2 121.0
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 48.41 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion:112 Resp: 289068
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 60.9 48.7 73.1

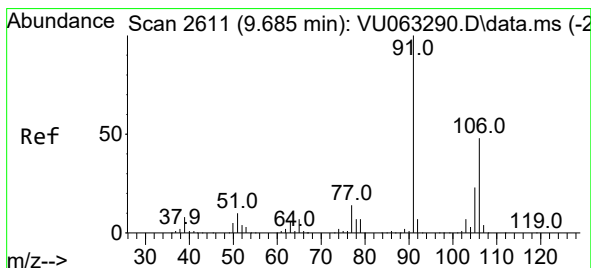
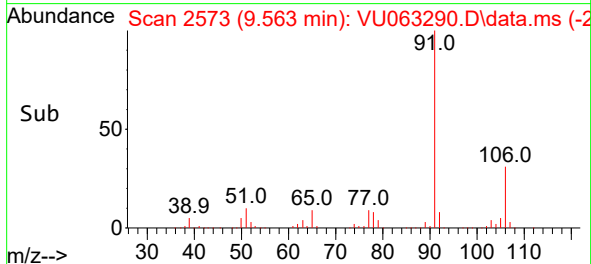
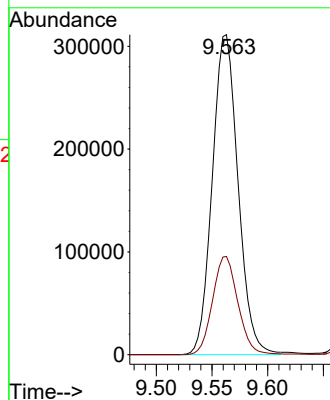
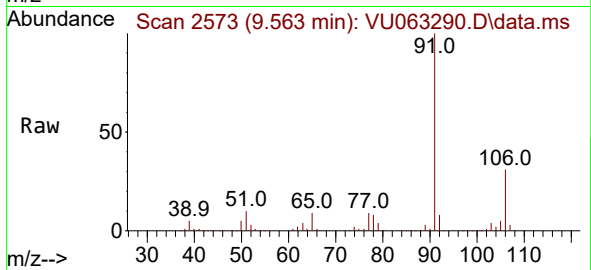




#52
Ethylbenzene
Concen: 48.52 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

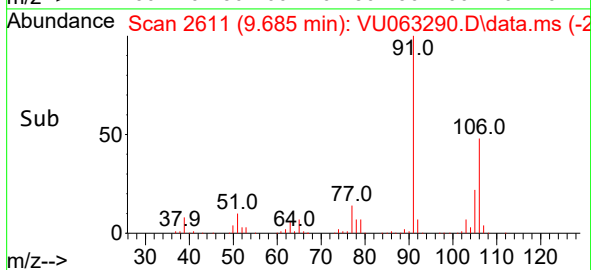
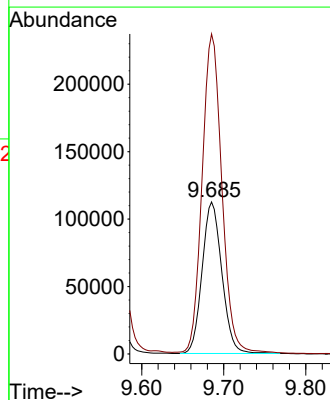
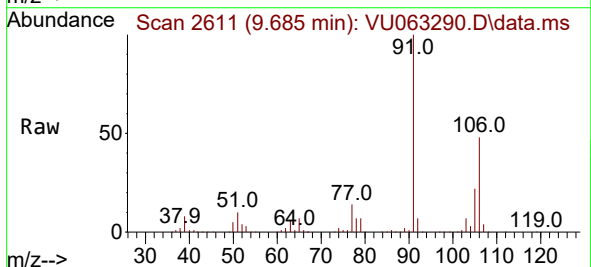
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

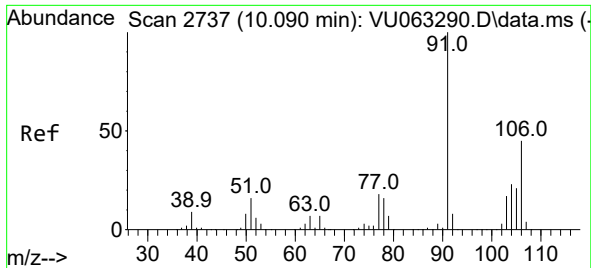
Tgt Ion: 91 Resp: 501337
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#53
m,p-Xylene
Concen: 48.80 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 106 Resp: 187703
Ion Ratio Lower Upper
106 100
91 210.5 147.3 273.6

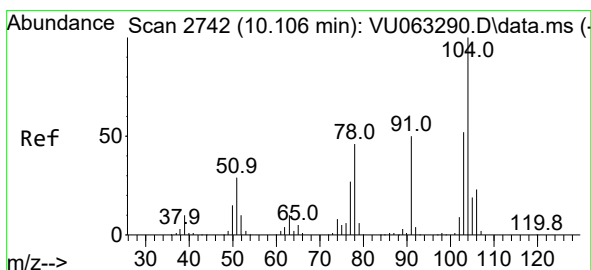
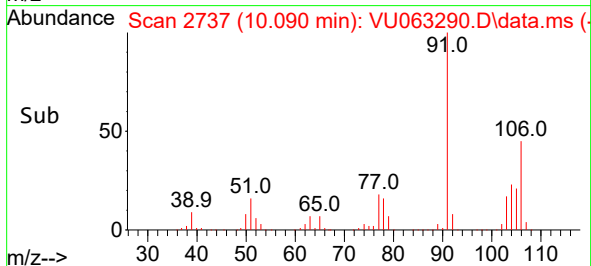
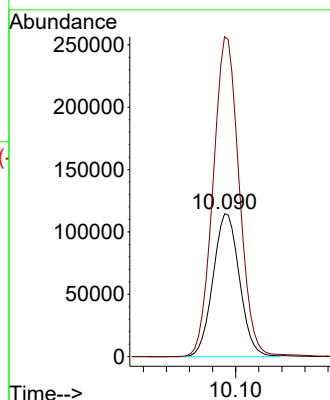
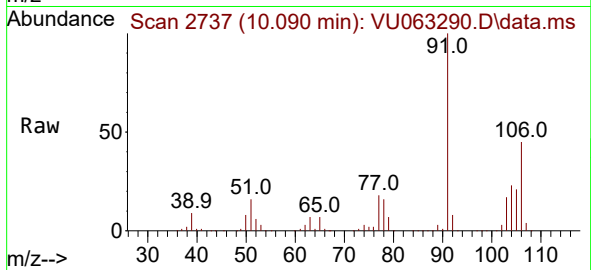




#54
o-Xylene
Concen: 47.23 ug/L
RT: 10.090 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

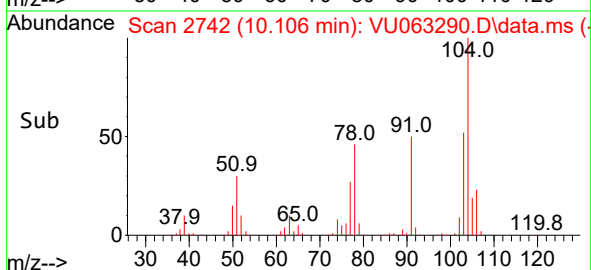
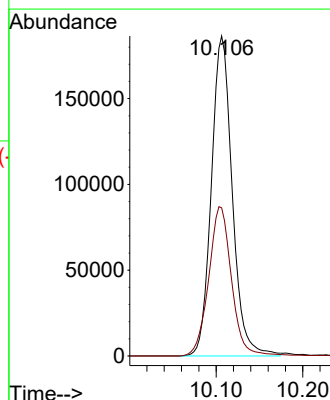
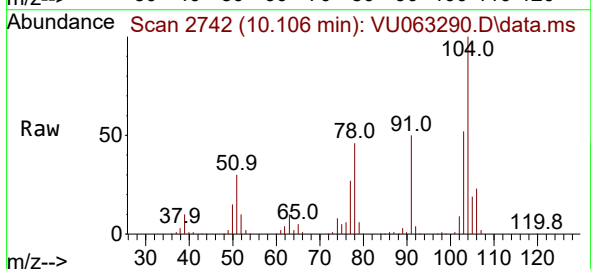
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

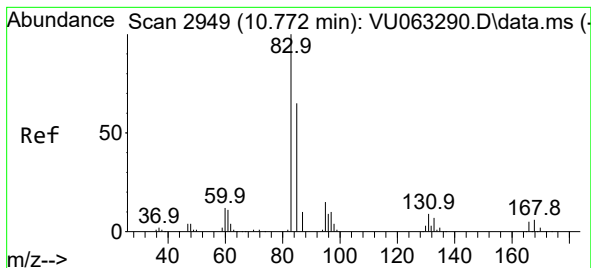
Tgt Ion:106 Resp: 182390
Ion Ratio Lower Upper
106 100
91 223.9 156.7 291.1



#55
Styrene
Concen: 47.52 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion:104 Resp: 312531
Ion Ratio Lower Upper
104 100
78 46.3 32.4 60.2

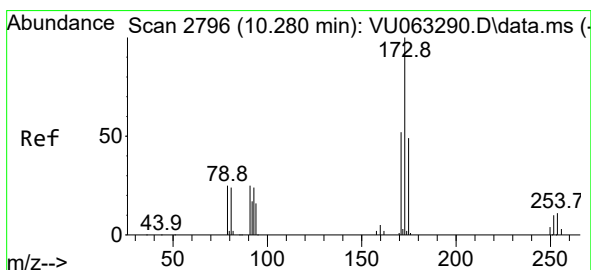
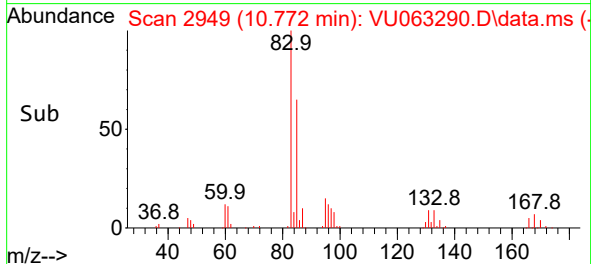
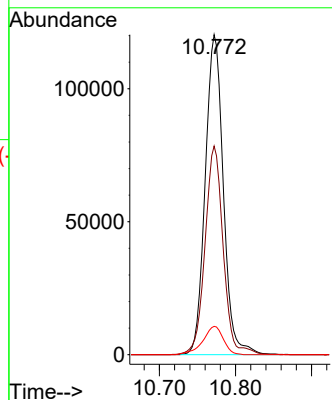
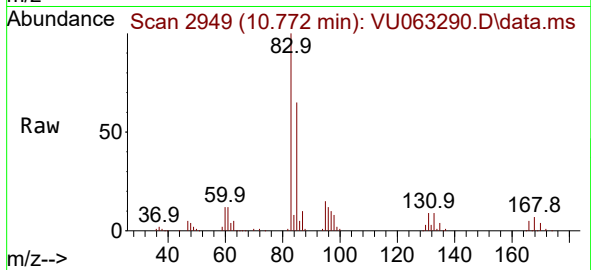




#57
1,1,2,2-Tetrachloroethane
Concen: 47.75 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

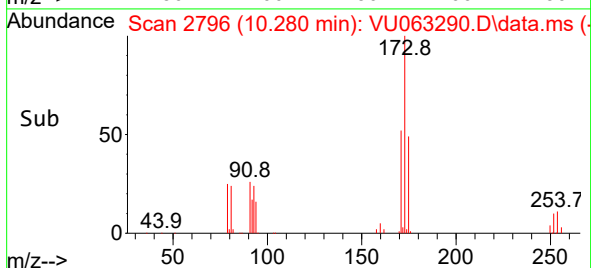
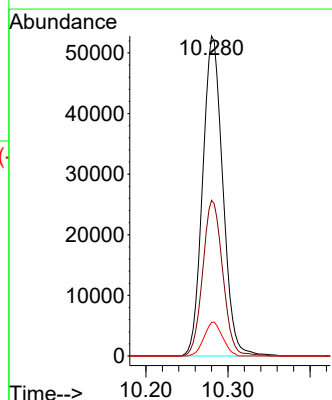
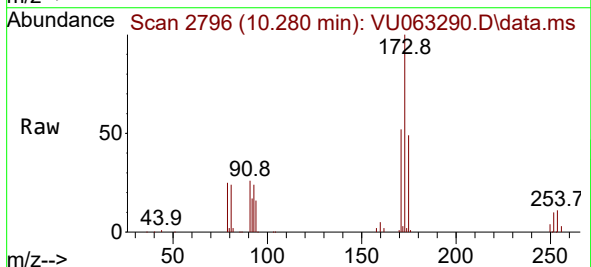
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

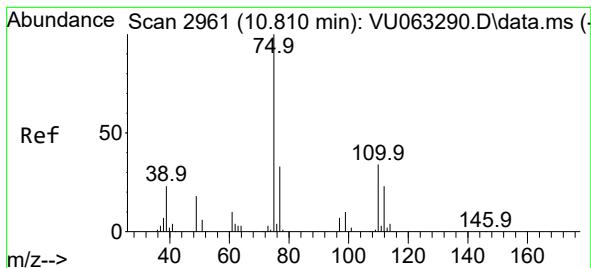
Tgt Ion: 83 Resp: 199339
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8
131 8.9 7.1 10.7



#59
Bromoform
Concen: 47.65 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion: 173 Resp: 90112
Ion Ratio Lower Upper
173 100
175 48.2 38.6 57.8
254 9.7 7.8 11.6





#60

1,2,3-Trichloropropane

Concen: 50.34 ug/L

RT: 10.810 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD050029

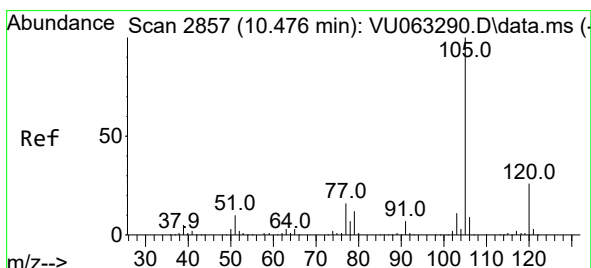
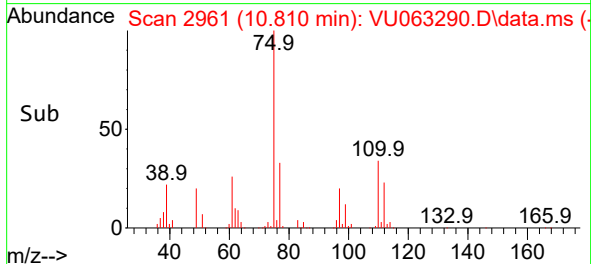
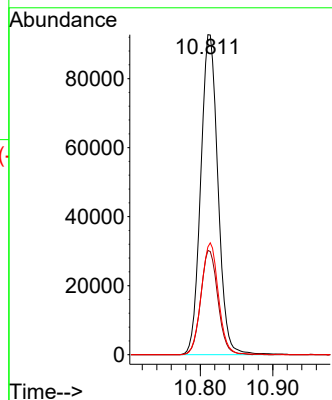
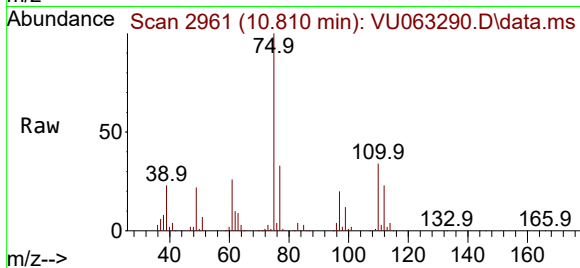
Tgt Ion: 75 Resp: 153148

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9

110 34.8 27.8 41.8



#61

Isopropylbenzene

Concen: 50.37 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

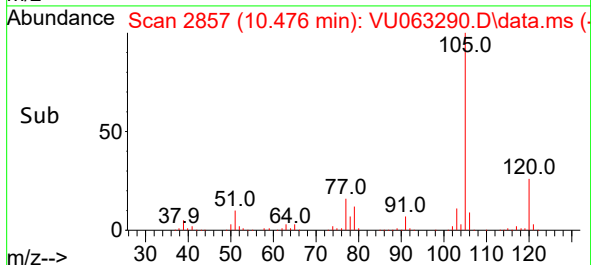
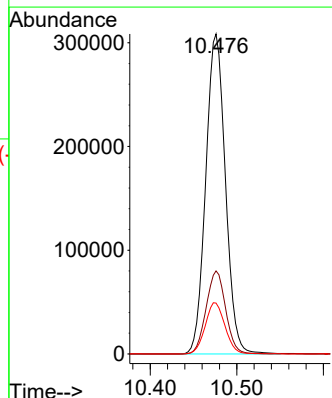
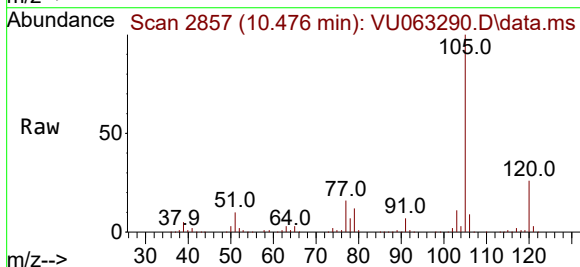
Tgt Ion: 105 Resp: 486343

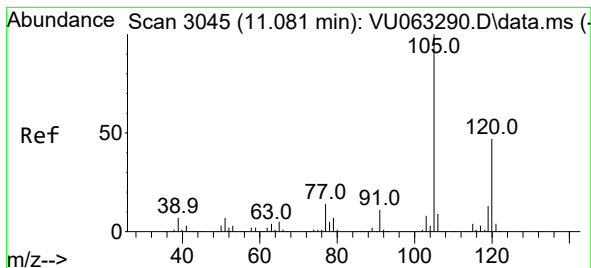
Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 16.2 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 49.36 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

Instrument :

MSVOA_U

ClientSampleId :

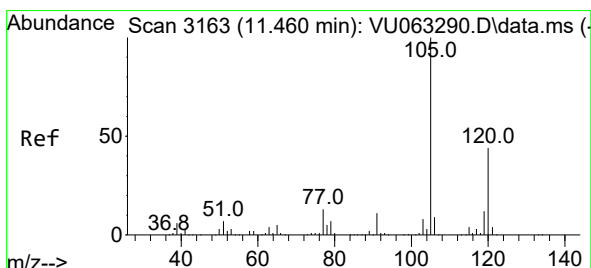
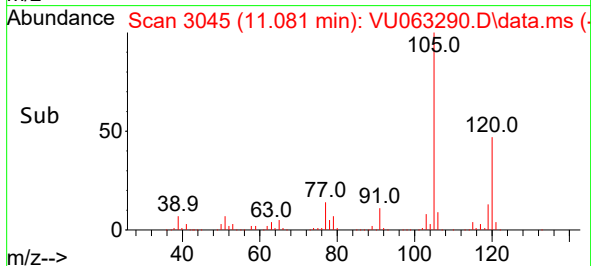
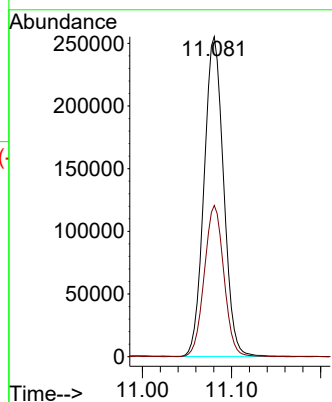
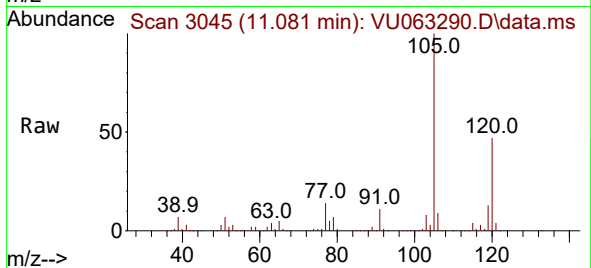
VSTD050029

Tgt Ion:105 Resp: 388104

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 48.19 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063290.D

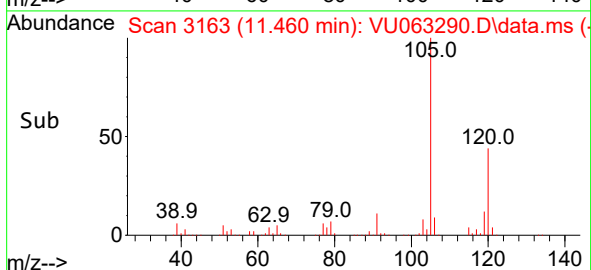
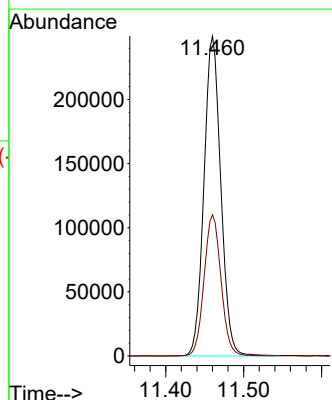
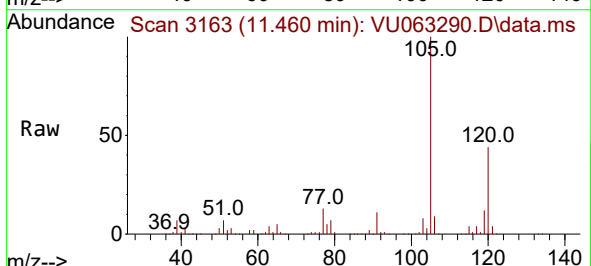
Acq: 17 Mar 2025 12:00

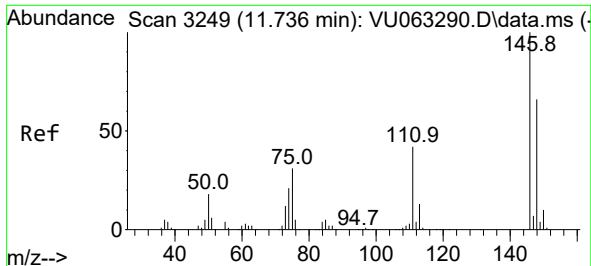
Tgt Ion:105 Resp: 374676

Ion Ratio Lower Upper

105 100

120 44.3 35.4 53.2

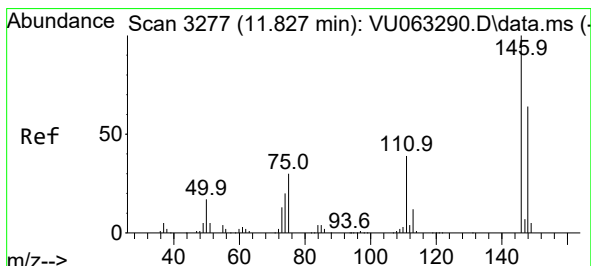
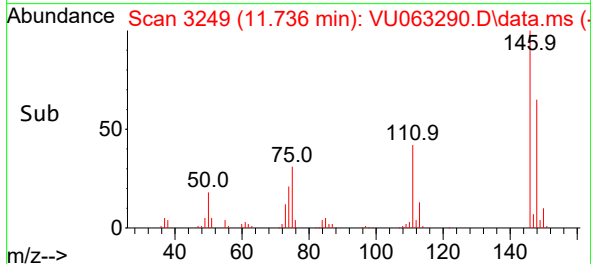
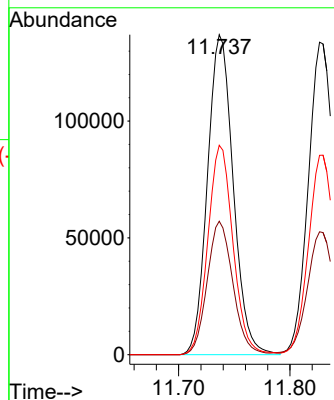
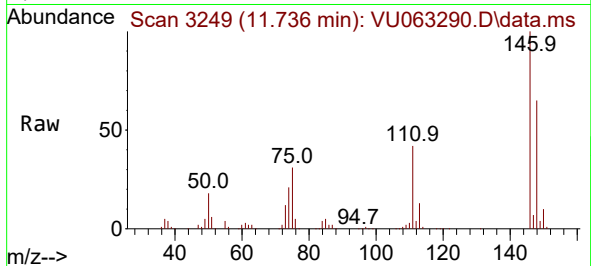




#64
1,3-Dichlorobenzene
Concen: 47.73 ug/L
RT: 11.736 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

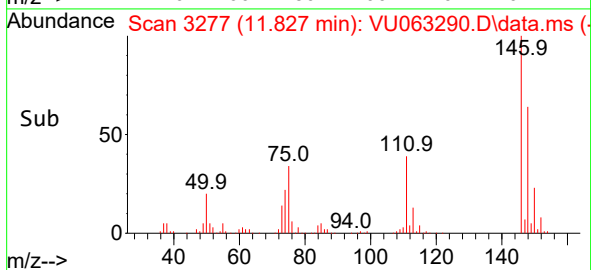
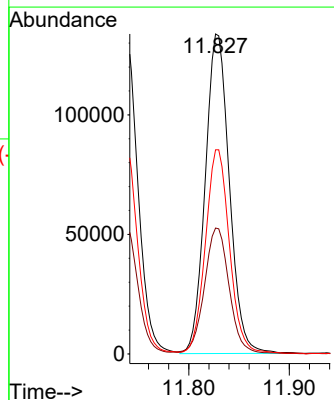
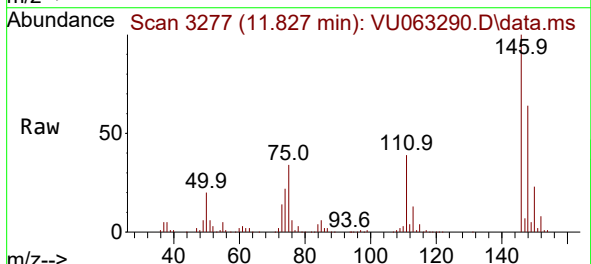
Instrument :
MSVOA_U
ClientSampleId :
VSTD050029

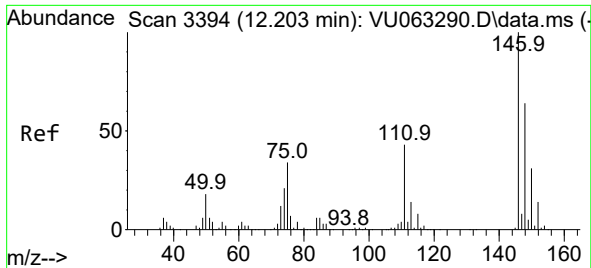
Tgt Ion:146 Resp: 220197
Ion Ratio Lower Upper
146 100
111 41.7 29.2 54.2
148 65.5 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 46.46 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063290.D
Acq: 17 Mar 2025 12:00

Tgt Ion:146 Resp: 222372
Ion Ratio Lower Upper
146 100
111 39.3 27.5 51.1
148 63.8 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 47.66 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD050029

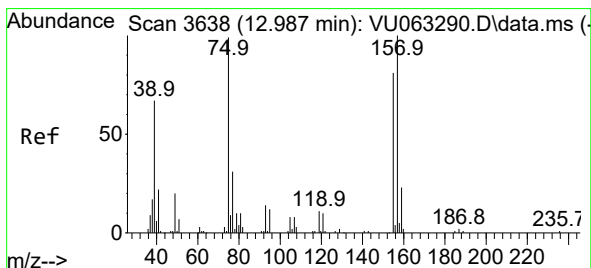
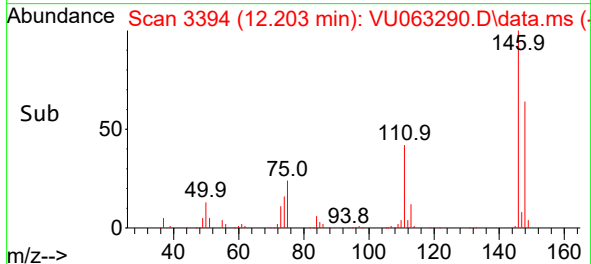
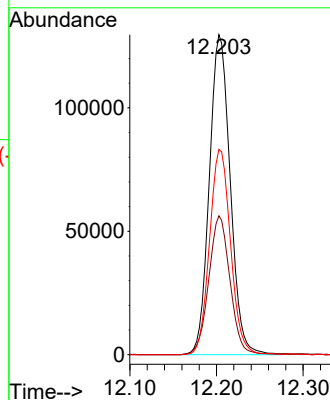
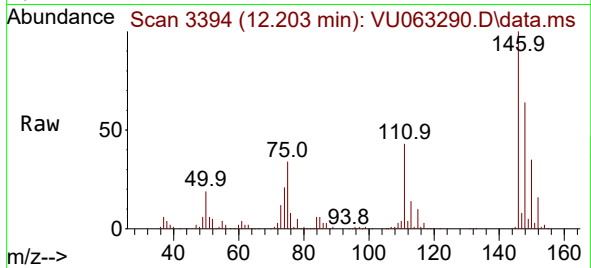
Tgt Ion:146 Resp: 217295

Ion Ratio Lower Upper

146 100

111 43.4 34.7 52.1

148 64.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 50.17 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

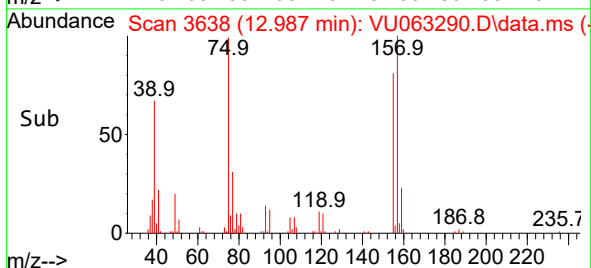
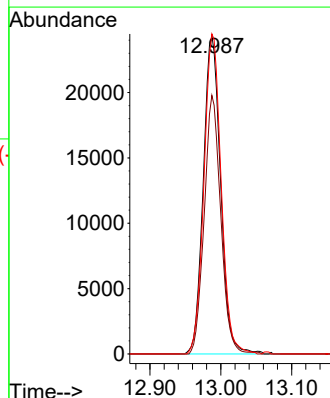
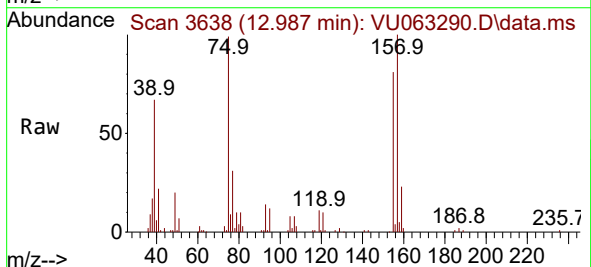
Tgt Ion: 75 Resp: 41282

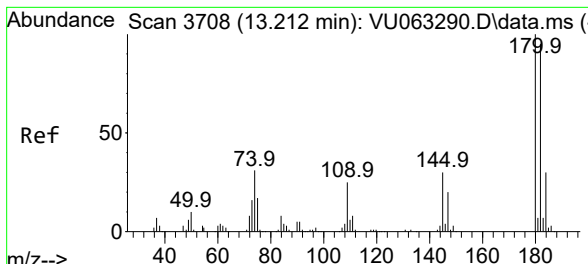
Ion Ratio Lower Upper

75 100

155 85.5 68.4 102.6

157 105.3 84.2 126.4

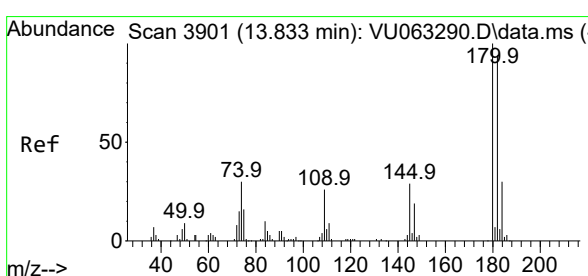
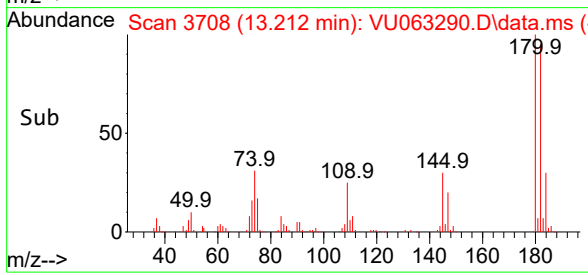
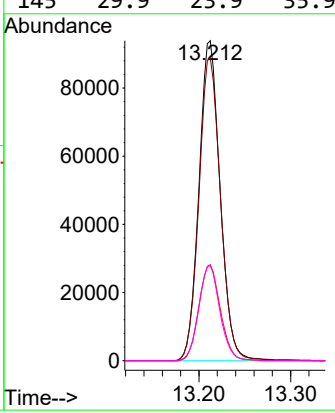
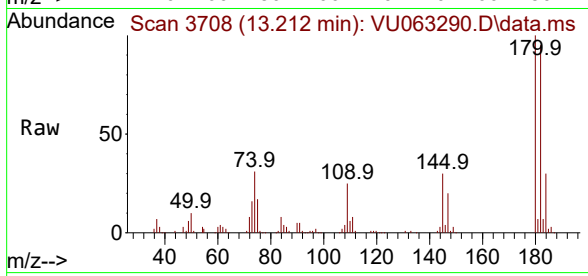




#69
 1,3,5-Trichlorobenzene
 Concen: 48.32 ug/L
 RT: 13.212 min Scan# 3708
 Delta R.T. 0.000 min
 Lab File: VU063290.D
 Acq: 17 Mar 2025 12:00

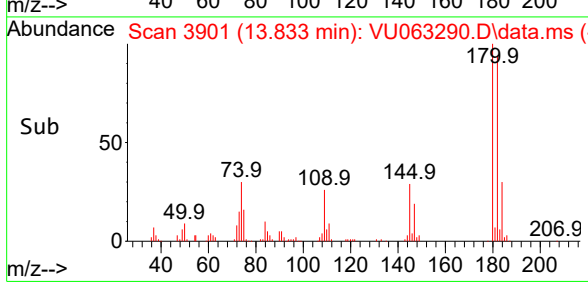
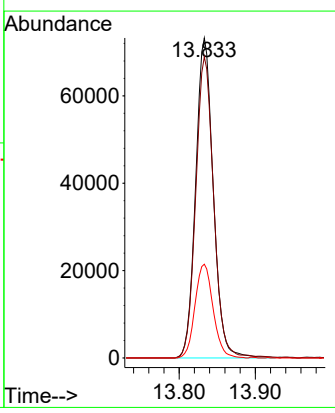
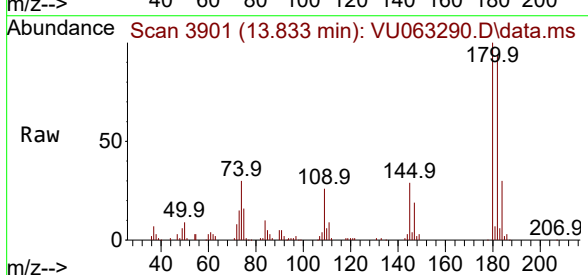
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050029

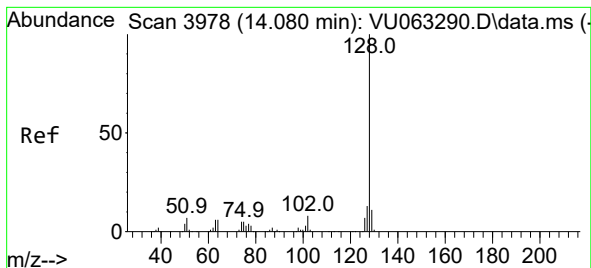
Tgt Ion:	180	Resp:	150446
Ion Ratio	Lower	Upper	
180	100		
182	96.5	77.2	115.8
184	30.4	24.3	36.5
145	29.9	23.9	35.9



#70
 1,2,4-trichlorobenzene
 Concen: 44.26 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU063290.D
 Acq: 17 Mar 2025 12:00

Tgt Ion:	180	Resp:	117883
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.8	113.8
145	30.0	24.0	36.0





#71

Naphthalene

Concen: 37.36 ug/L

RT: 14.080 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD050029

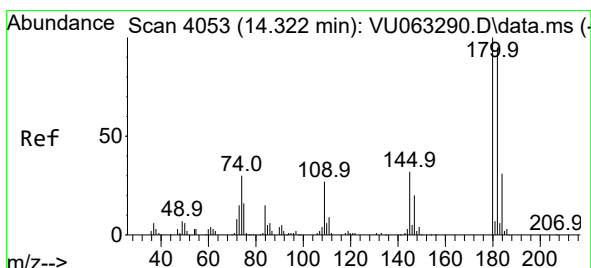
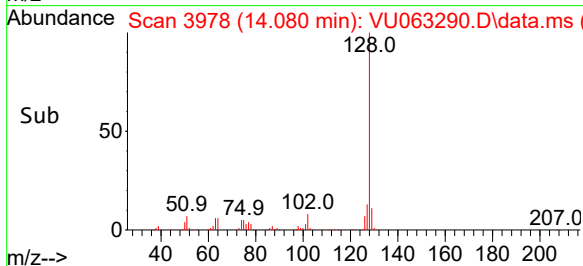
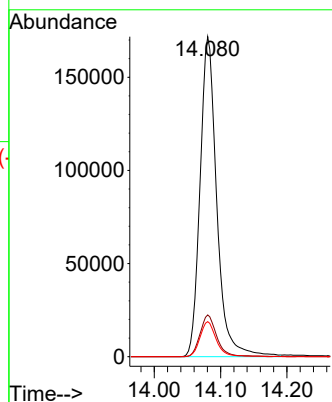
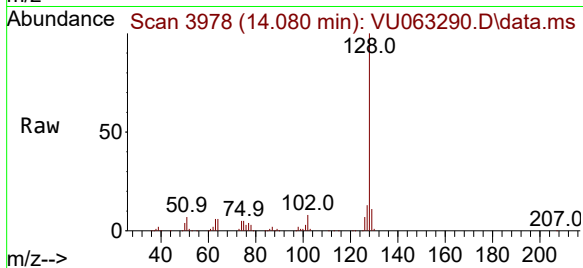
Tgt Ion:128 Resp: 301117

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 44.56 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063290.D

Acq: 17 Mar 2025 12:00

Tgt Ion:180 Resp: 114927

Ion Ratio Lower Upper

180 100

182 96.6 77.3 115.9

145 32.1 25.7 38.5

