

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063288.D
 Acq On : 17 Mar 2025 10:32
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005027

Quant Time: Mar 21 08:35:36 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	269133	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	260350	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	113290	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	11919	5.83	ug/L	0.00
7) Chloroethane-d5	1.898	69	9580	8.24	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	20711	5.79	ug/L	0.00
21) 2-Butanone-d5	4.637	46	11956	8.99	ug/L	0.03
24) Chloroform-d	5.052	84	21999	5.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	13836	6.42	ug/L	0.00
32) Benzene-d6	5.717	84	41539	5.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	14021	5.65	ug/L	0.00
41) Toluene-d8	7.891	98	35107	4.98	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	5756	4.97	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	7587	7.18	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	20533	5.55	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	12334	5.68	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	12269	5.86	ug/L	97
3) Chloromethane	1.518	50	13935	6.30	ug/L	94
5) Vinyl chloride	1.599	62	14040	5.59	ug/L	96
6) Bromomethane	1.837	94	7729	8.98	ug/L	94
8) Chloroethane	1.917	64	8897	8.78	ug/L	97
9) Trichlorofluoromethane	2.126	101	16365	5.95	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	9727	5.13	ug/L	99
12) 1,1-Dichloroethene	2.566	96	8983	4.82	ug/L	90
13) Acetone	2.618	43	12530	14.45	ug/L	98
14) Carbon disulfide	2.782	76	29343	5.10	ug/L	97
15) Methyl Acetate	2.946	43	13204	6.47	ug/L #	100
16) Methylene chloride	3.033	84	11506	5.33	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	9319	4.89	ug/L	94
18) Methyl tert-butyl Ether	3.351	73	29539	5.00	ug/L	98
19) 1,1-Dichloroethane	3.856	63	20048	5.63	ug/L	96
20) cis-1,2-Dichloroethene	4.656	96	10982	5.08	ug/L	88
22) 2-Butanone	4.708	43	14850	10.86	ug/L #	66
23) Bromochloromethane	4.968	128	5597	5.09	ug/L	93
25) Chloroform	5.078	83	20243	5.60	ug/L	100
27) 1,2-Dichloroethane	5.785	62	15471	5.77	ug/L	99
29) Cyclohexane	5.373	56	14467	4.43	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	16334	5.24	ug/L	97
31) Carbon tetrachloride	5.515	117	12778	4.78	ug/L	98
33) Benzene	5.766	78	42365	5.14	ug/L	100
34) Trichloroethene	6.537	95	11158	5.02	ug/L	95
35) Methylcyclohexane	6.753	83	14375	4.27	ug/L	97
37) 1,2-Dichloropropane	6.782	63	12130	5.31	ug/L #	95
38) Bromodichloromethane	7.094	83	15113	5.54	ug/L	96
39) cis-1,3-Dichloropropene	7.598	75	16092	4.73	ug/L	89
40) 4-Methyl-2-pentanone	7.782	43	28369	10.13	ug/L	97
42) Toluene	7.962	91	40244	4.54	ug/L	94
44) trans-1,3-Dichloropropene	8.203	75	14741	4.67	ug/L	99

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005027

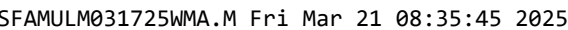
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 08:30:41 2025
 Response via : Initial Calibration

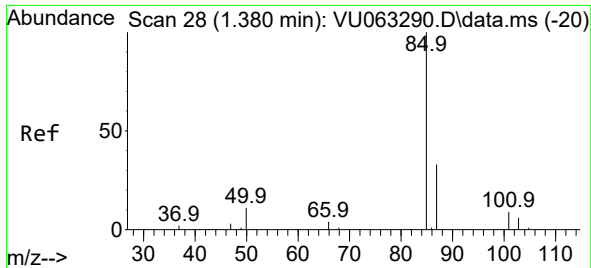
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	11645	5.29	ug/L	99
46) Tetrachloroethene	8.547	164	7146	4.52	ug/L	93
48) 2-Hexanone	8.679	43	19787	9.18	ug/L	96
49) Dibromochloromethane	8.801	129	10502	4.74	ug/L	98
50) 1,2-Dibromoethane	8.917	107	11484	4.88	ug/L #	100
51) Chlorobenzene	9.441	112	27496	4.99	ug/L	99
52) Ethylbenzene	9.563	91	40136	4.21	ug/L	99
53) m,p-Xylene	9.688	106	14588	4.11	ug/L	98
54) o-Xylene	10.093	106	14046	3.94	ug/L	83
55) Styrene	10.110	104	20394	3.36	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	19556	5.07	ug/L	92
59) Bromoform	10.283	173	7732	5.11	ug/L	92
60) 1,2,3-Trichloropropane	10.814	75	15384	6.32	ug/L	100
61) Isopropylbenzene	10.476	105	35904	4.65	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	26109	4.15	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	24272	3.90	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	17978	4.87	ug/L	98
65) 1,4-Dichlorobenzene	11.826	146	18708	4.89	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	18408	5.05	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.990	75	3235	4.92	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	11858	4.76	ug/L	93
70) 1,2,4-trichlorobenzene	13.839	180	7769	3.65	ug/L	96
71) Naphthalene	14.090	128	19370	3.01	ug/L #	97
72) 1,2,3-Trichlorobenzene	14.328	180	7485	3.63	ug/L	99

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

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Quant Title : VOC Analysis
QLast Update : Fri Mar 21 08:30:41 2025
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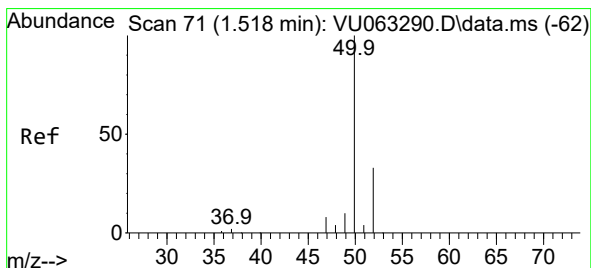
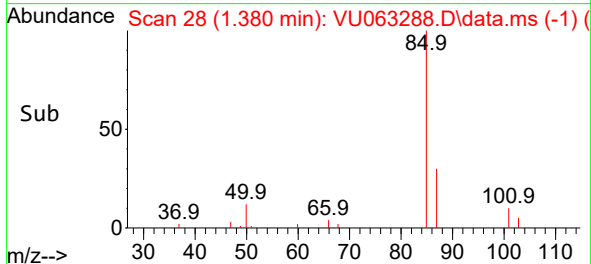
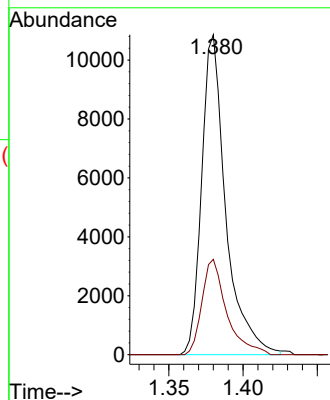
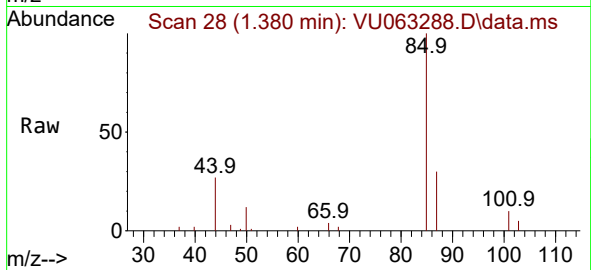




#2
 Dichlorodifluoromethane
 Concen: 5.86 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063288.D
 Acq: 17 Mar 2025 10:32

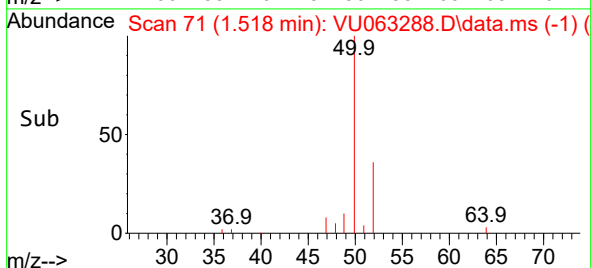
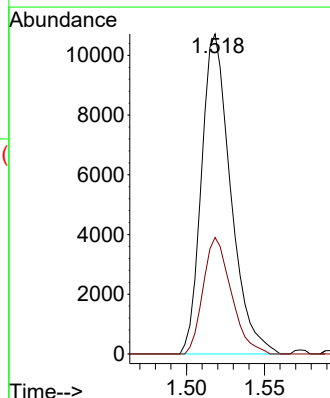
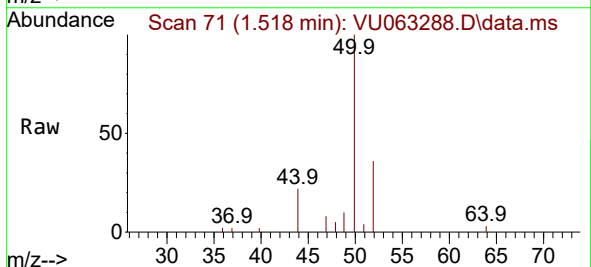
Instrument :
 MSVOA_U
 ClientSampleId :
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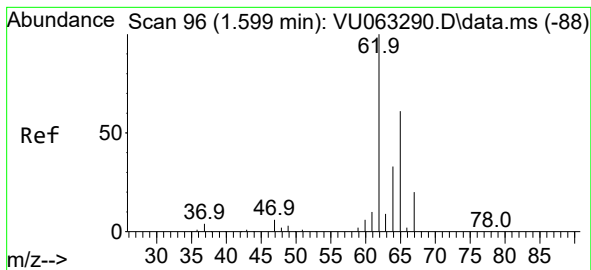
Tgt Ion: 85 Resp: 12269
 Ion Ratio Lower Upper
 85 100
 87 30.5 25.8 38.6



#3
 Chloromethane
 Concen: 6.30 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU063288.D
 Acq: 17 Mar 2025 10:32

Tgt Ion: 50 Resp: 13935
 Ion Ratio Lower Upper
 50 100
 52 36.4 23.2 43.0





#5

Vinyl chloride

Concen: 5.59 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

Instrument :

MSVOA_U

ClientSampleId :

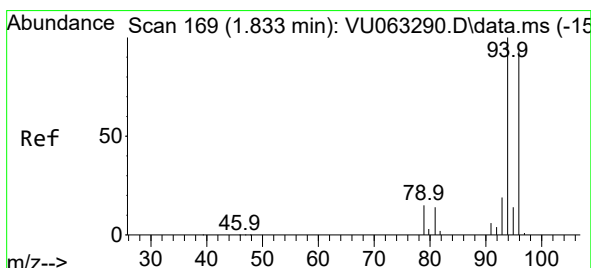
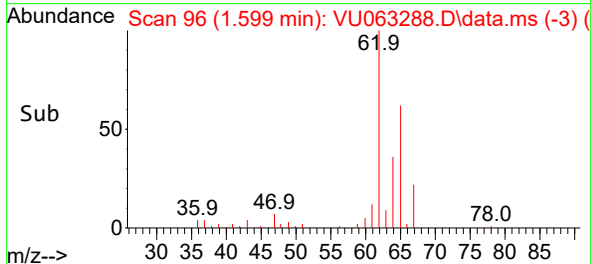
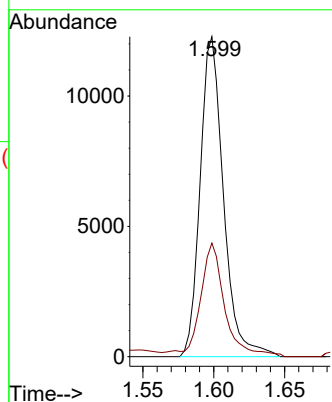
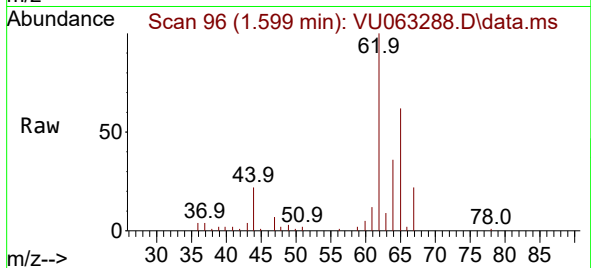
VSTD005027

Tgt Ion: 62 Resp: 14040

Ion Ratio Lower Upper

62 100

64 35.5 23.2 43.2



#6

Bromomethane

Concen: 8.98 ug/L

RT: 1.837 min Scan# 170

Delta R.T. 0.003 min

Lab File: VU063288.D

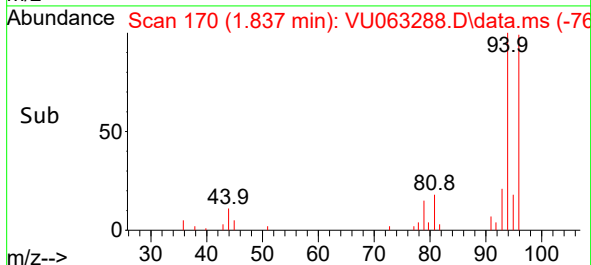
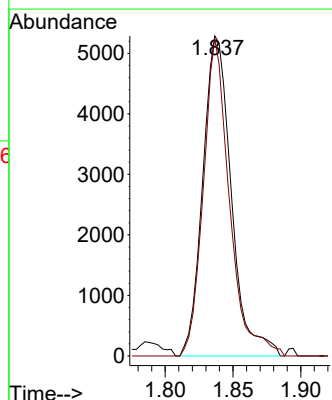
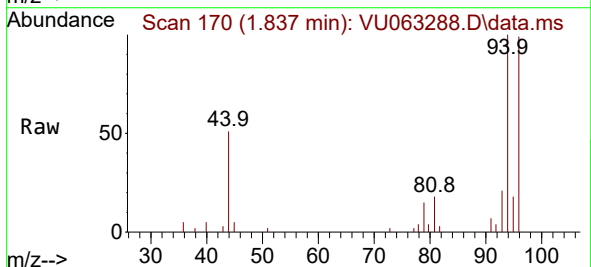
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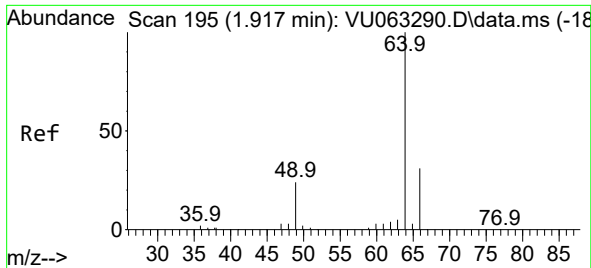
Tgt Ion: 94 Resp: 7729

Ion Ratio Lower Upper

94 100

96 99.2 65.2 121.2

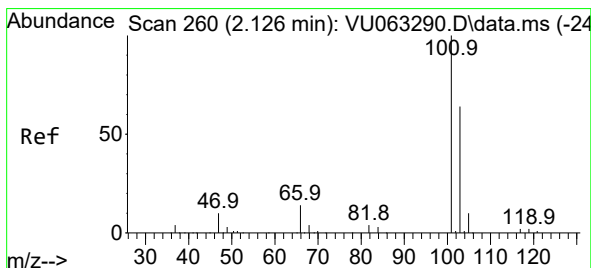
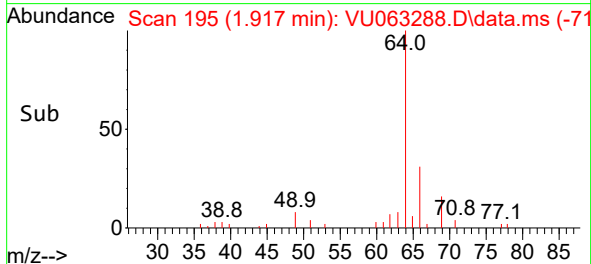
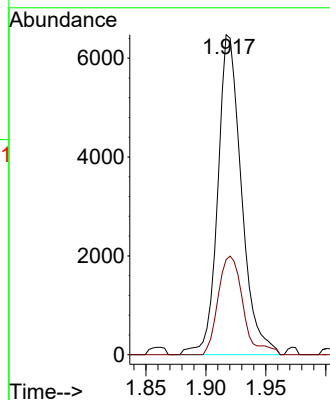
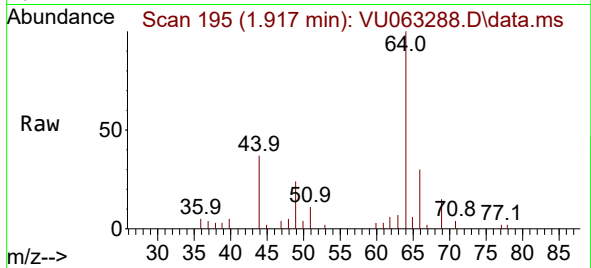




#8
Chloroethane
Concen: 8.78 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.000 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

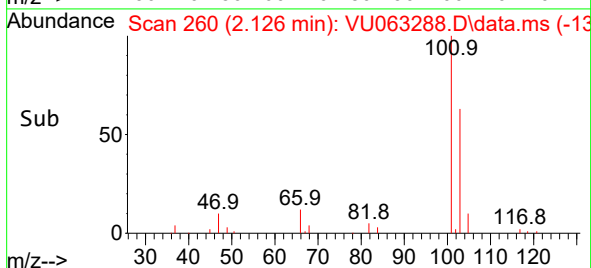
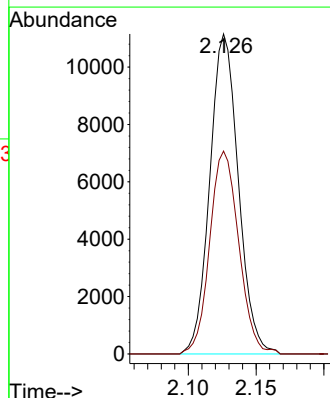
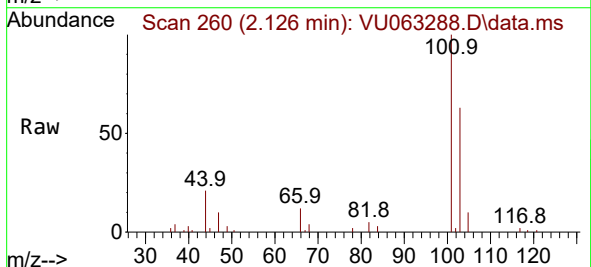
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

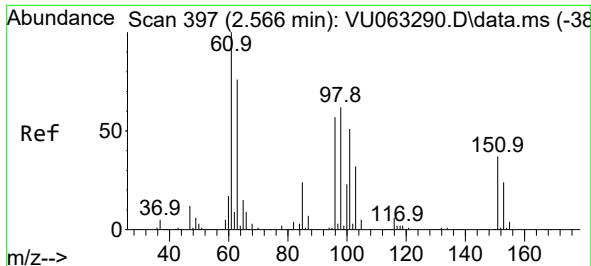
Tgt Ion: 64 Resp: 8897
Ion Ratio Lower Upper
64 100
66 29.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 5.95 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.000 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion:101 Resp: 16365
Ion Ratio Lower Upper
101 100
103 64.0 51.2 76.8

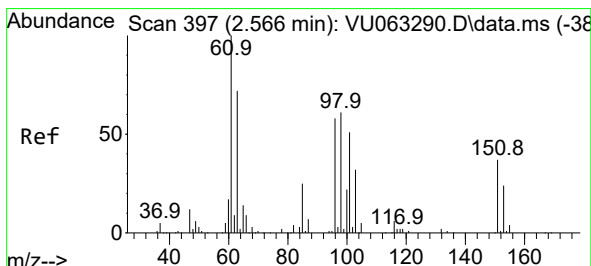
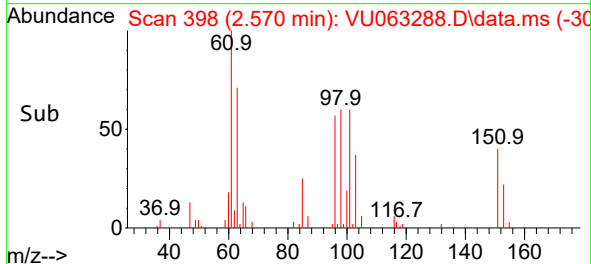
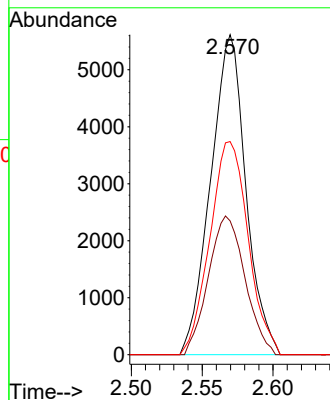
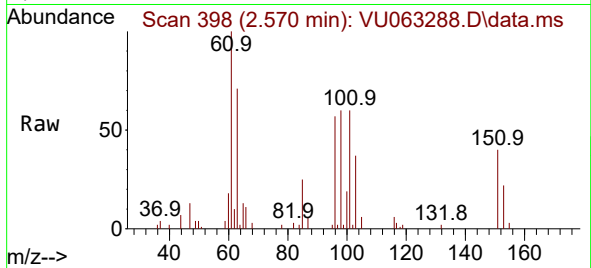




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.13 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

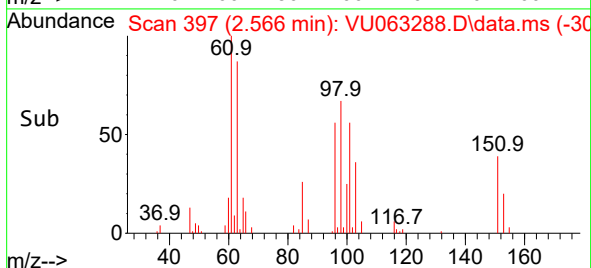
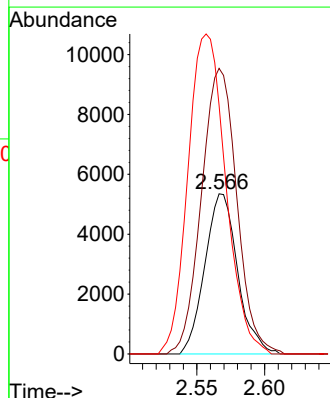
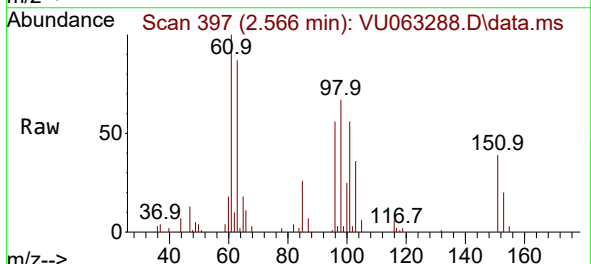
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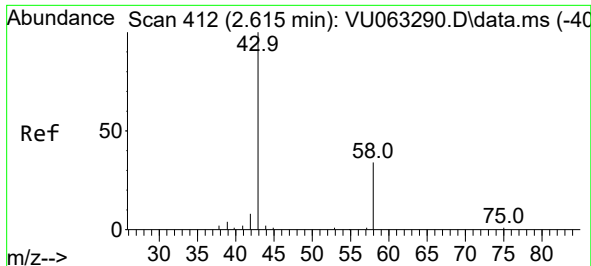
Tgt Ion:101 Resp: 9727
Ion Ratio Lower Upper
101 100
85 45.0 36.5 54.7
151 72.4 57.4 86.0



#12
1,1-Dichloroethene
Concen: 4.82 ug/L
RT: 2.566 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion: 96 Resp: 8983
Ion Ratio Lower Upper
96 100
61 178.4 121.9 226.5
63 155.3 93.2 173.0





#13

Acetone

Concen: 14.45 ug/L

RT: 2.618 min Scan# 412

Delta R.T. 0.003 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

Instrument :

MSVOA_U

ClientSampleId :

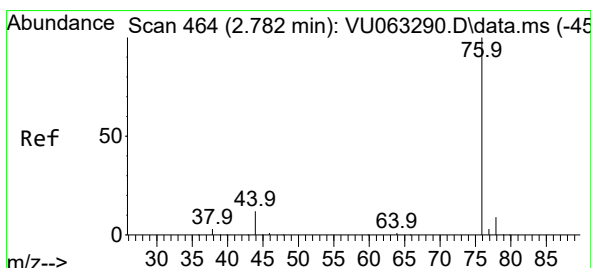
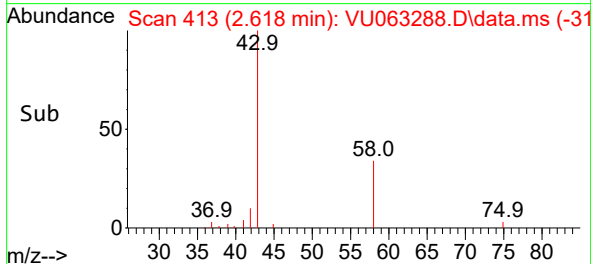
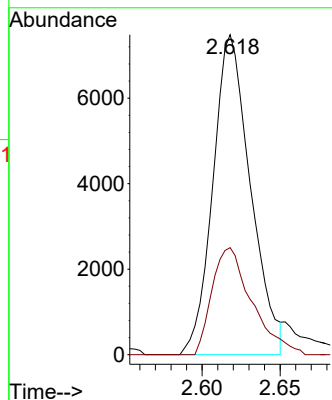
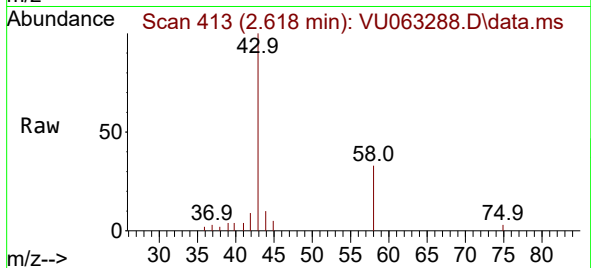
VSTD005027

Tgt Ion: 43 Resp: 12530

Ion Ratio Lower Upper

43 100

58 35.5 0.0 68.4



#14

Carbon disulfide

Concen: 5.10 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU063288.D

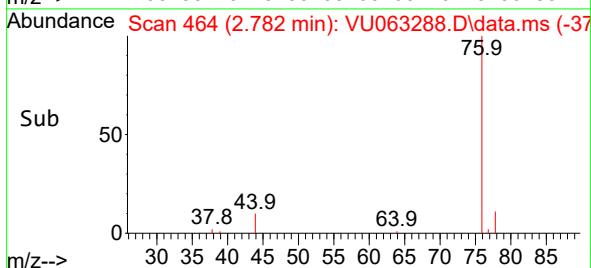
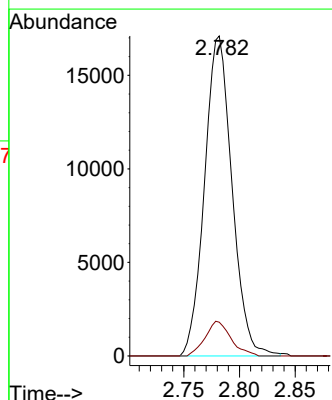
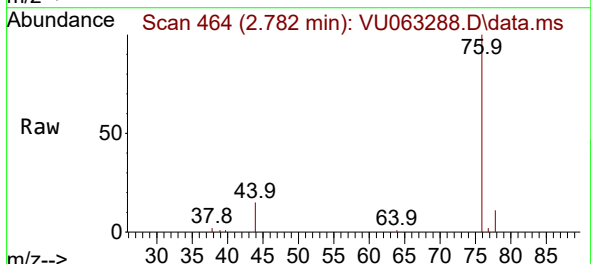
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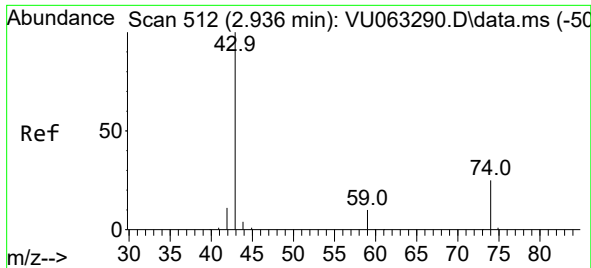
Tgt Ion: 76 Resp: 29343

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.2

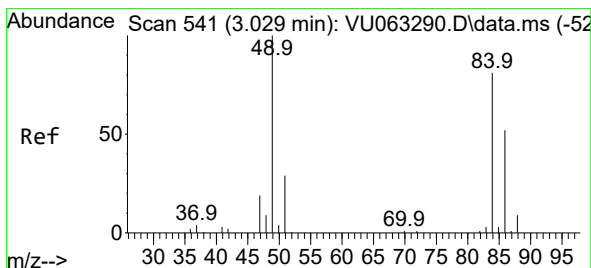
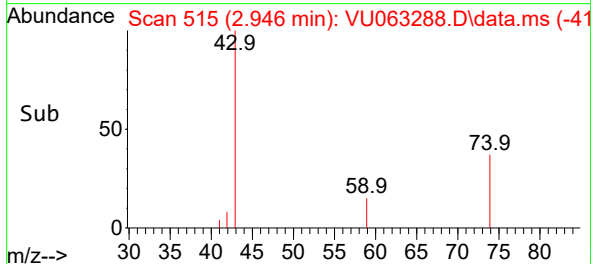
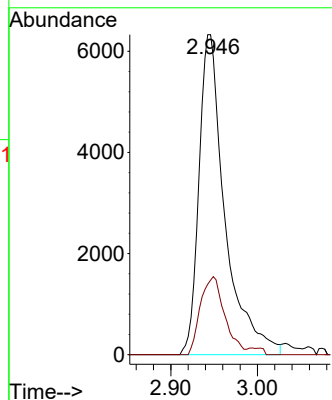
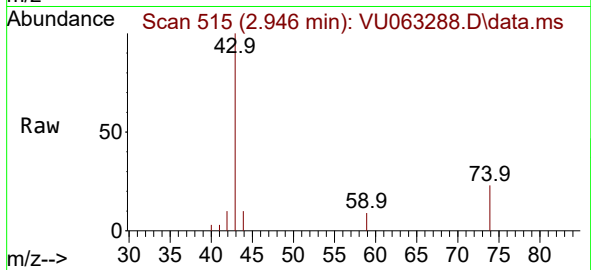




#15
Methyl Acetate
Concen: 6.47 ug/L
RT: 2.946 min Scan# 512
Delta R.T. 0.010 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

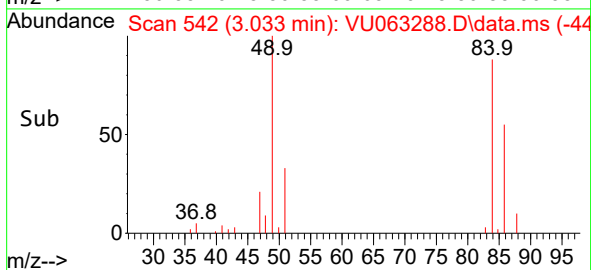
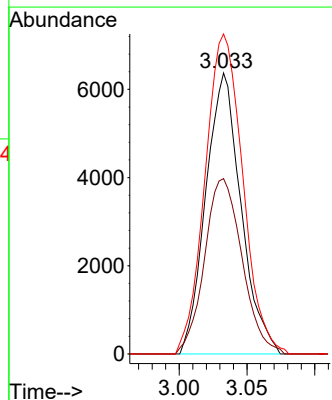
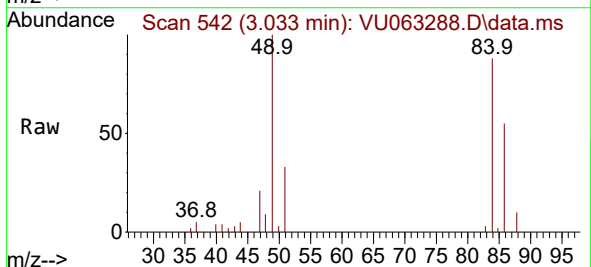
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

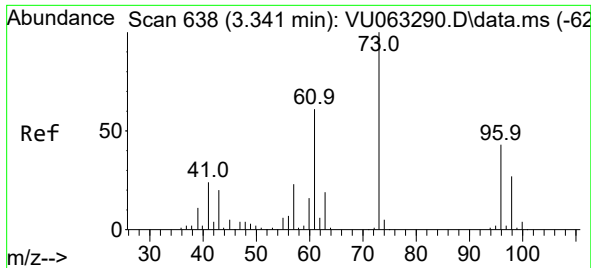
Tgt Ion: 43 Resp: 13204
Ion Ratio Lower Upper
43 100
74 22.6 0.0 0.0#



#16
Methylene chloride
Concen: 5.33 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion: 84 Resp: 11506
Ion Ratio Lower Upper
84 100
86 62.4 44.4 82.5
49 113.9 86.3 160.3

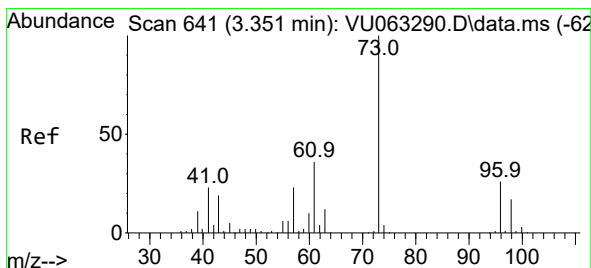
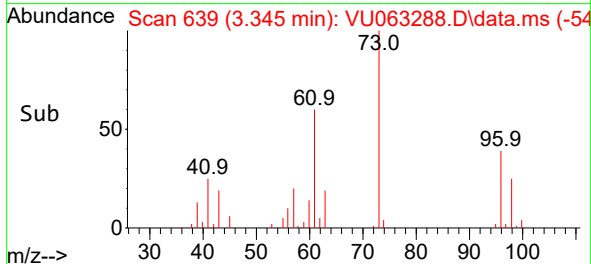
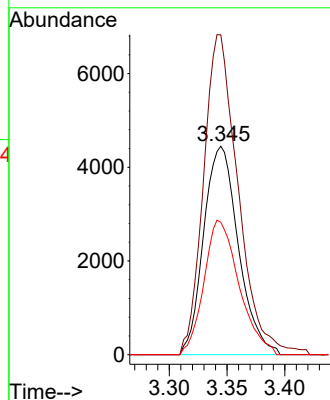
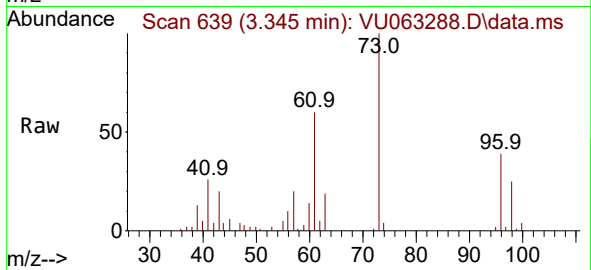




#17
 trans-1,2-Dichloroethene
 Concen: 4.89 ug/L
 RT: 3.345 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VU063288.D
 Acq: 17 Mar 2025 10:32

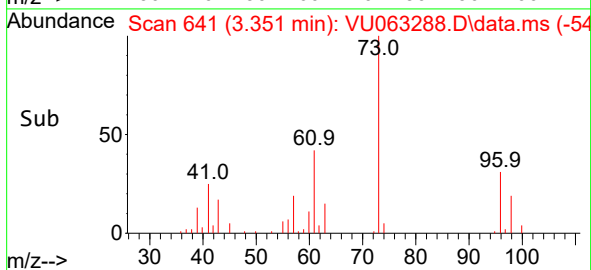
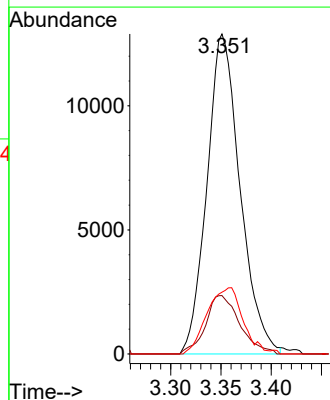
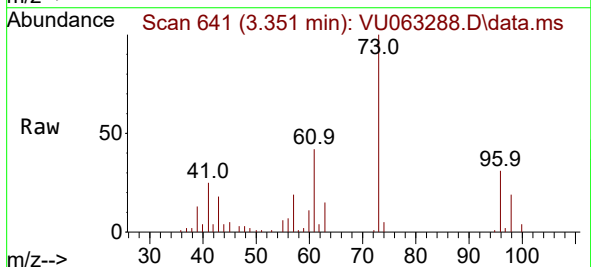
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005027

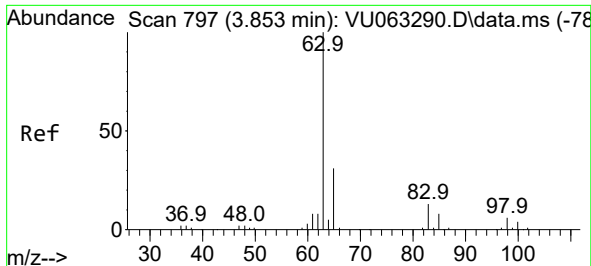
Tgt Ion: 96 Resp: 9319
 Ion Ratio Lower Upper
 96 100
 61 153.4 100.1 185.9
 98 63.5 44.2 82.0



#18
 Methyl tert-butyl Ether
 Concen: 5.00 ug/L
 RT: 3.351 min Scan# 641
 Delta R.T. -0.000 min
 Lab File: VU063288.D
 Acq: 17 Mar 2025 10:32

Tgt Ion: 73 Resp: 29539
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.4 23.2
 57 21.5 18.3 27.5

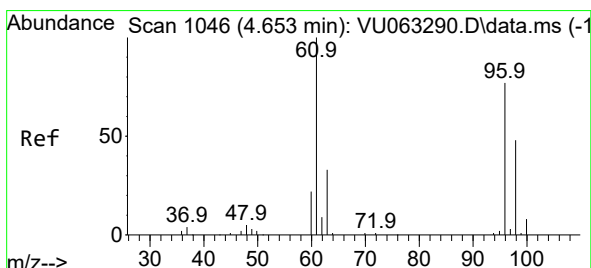
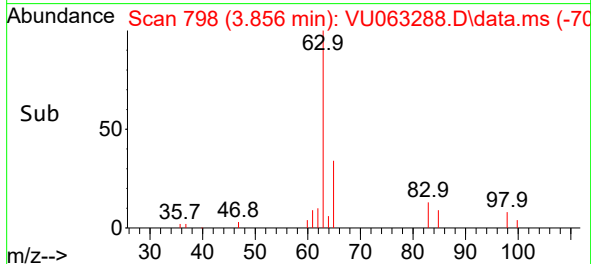
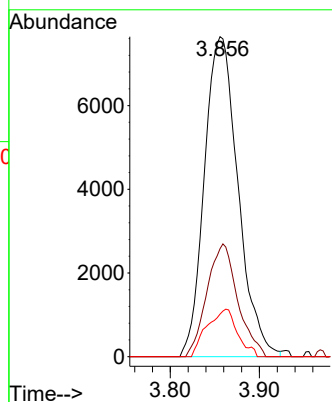
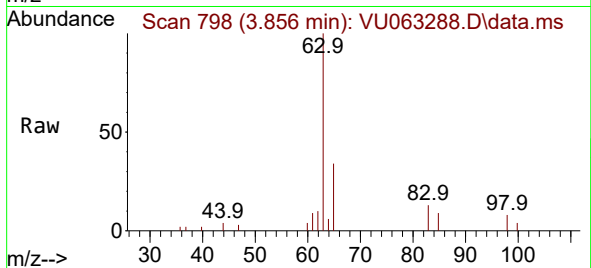




#19
1,1-Dichloroethane
Concen: 5.63 ug/L
RT: 3.856 min Scan# 797
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

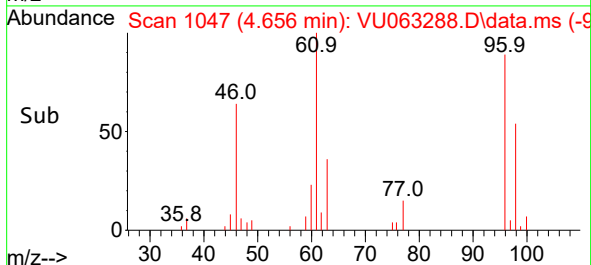
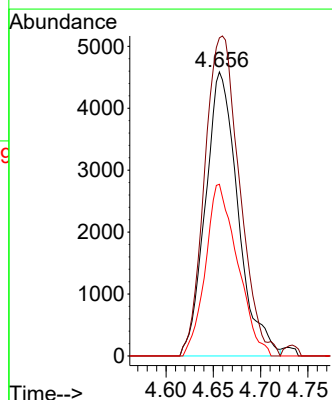
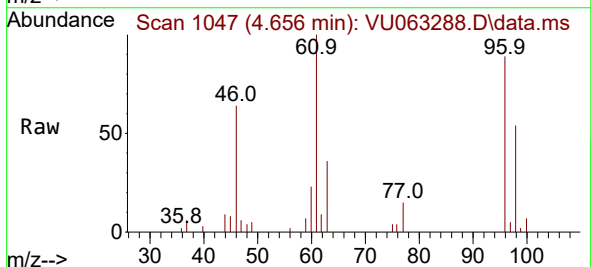
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

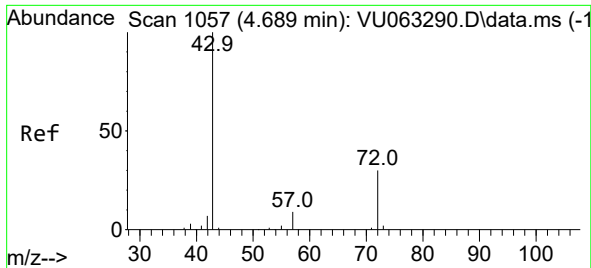
Tgt Ion:	63	Resp:	20048
Ion	Ratio	Lower	Upper
63	100		
65	33.7	21.9	40.7
83	13.3	9.0	16.6



#20
cis-1,2-Dichloroethene
Concen: 5.08 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion:	96	Resp:	10982
Ion	Ratio	Lower	Upper
96	100		
61	111.9	91.6	170.0
98	60.4	44.0	81.8

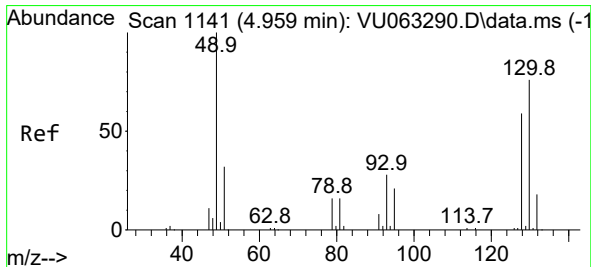
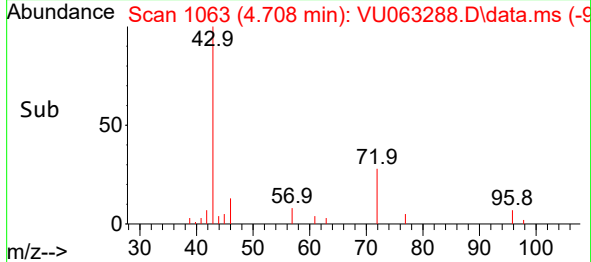
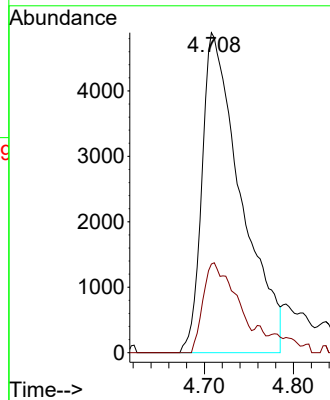
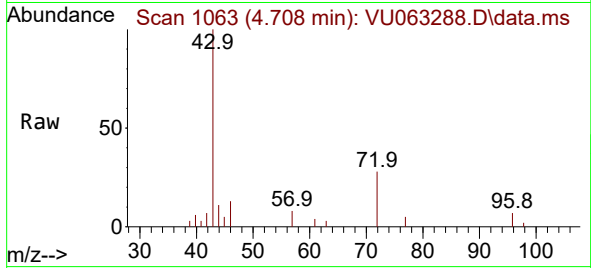




#22
2-Butanone
Concen: 10.86 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.019 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

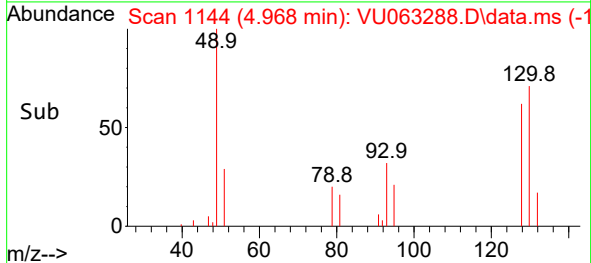
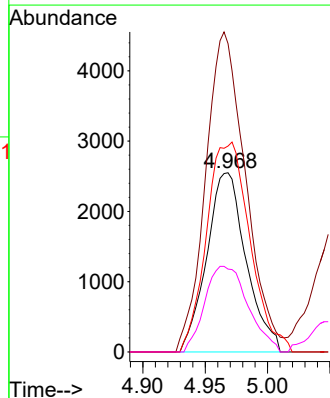
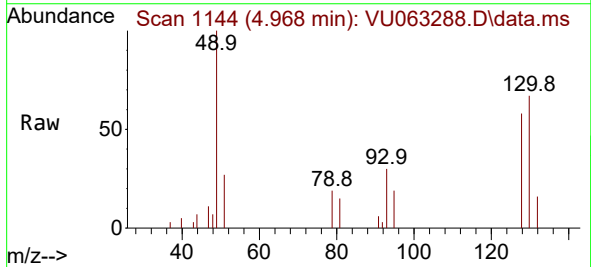
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

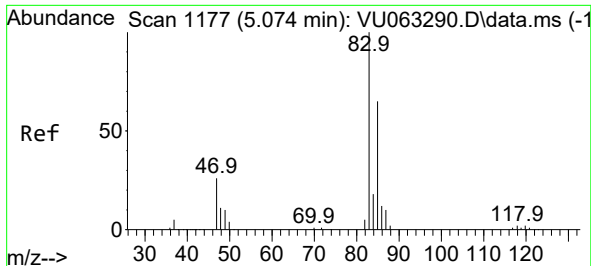
Tgt Ion: 43 Resp: 14850
Ion Ratio Lower Upper
43 100
72 12.0 15.4 46.4#



#23
Bromochloromethane
Concen: 5.09 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.010 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion:128 Resp: 5597
Ion Ratio Lower Upper
128 100
49 172.1 118.2 219.6
130 114.9 89.2 165.8
51 46.3 43.6 65.4

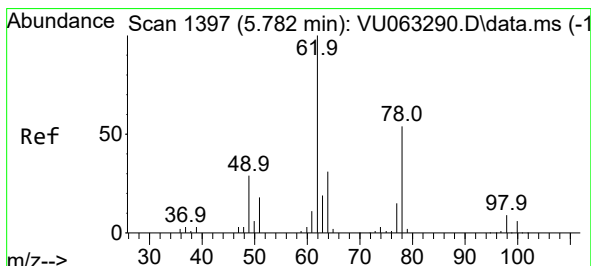
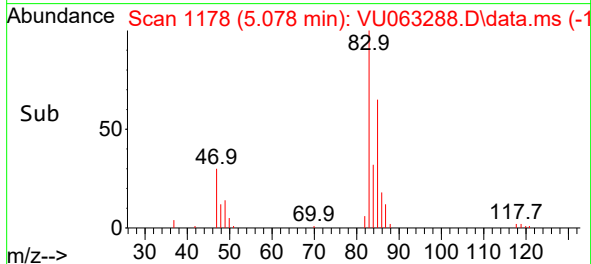
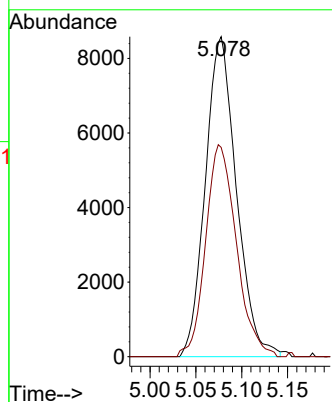
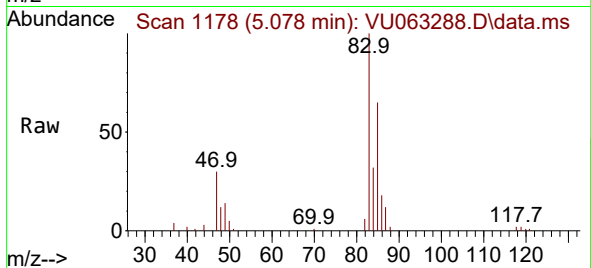




#25
Chloroform
Concen: 5.60 ug/L
RT: 5.078 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

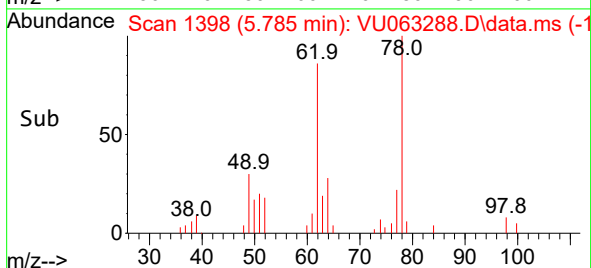
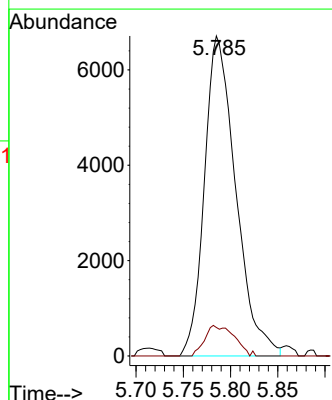
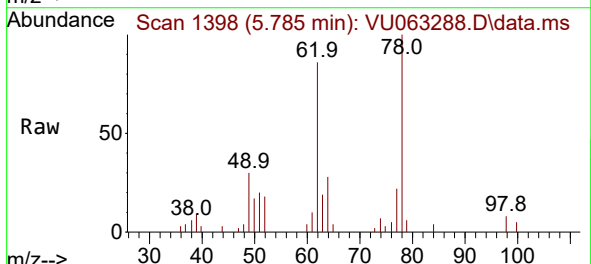
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

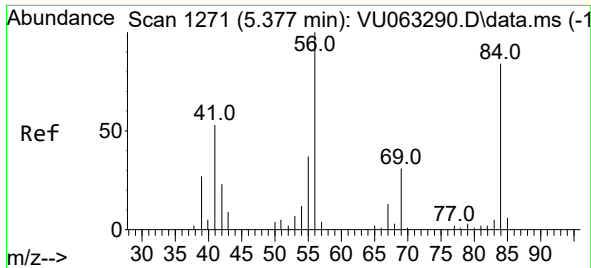
Tgt Ion: 83 Resp: 20243
Ion Ratio Lower Upper
83 100
85 65.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.77 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion: 62 Resp: 15471
Ion Ratio Lower Upper
62 100
98 8.9 7.5 11.3





#29

Cyclohexane

Concen: 4.43 ug/L

RT: 5.373 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD005027

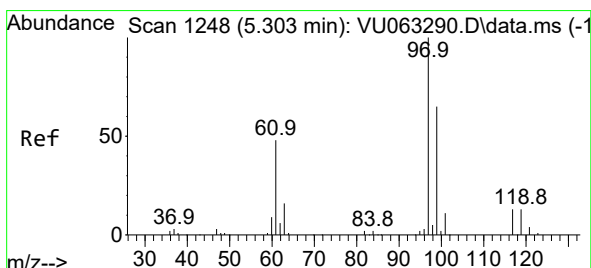
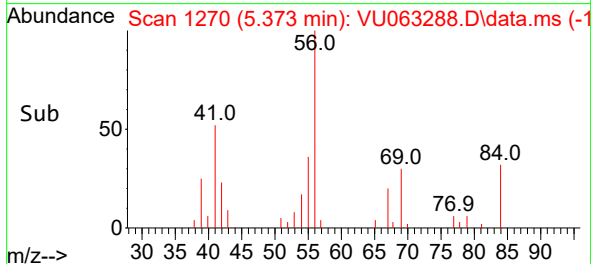
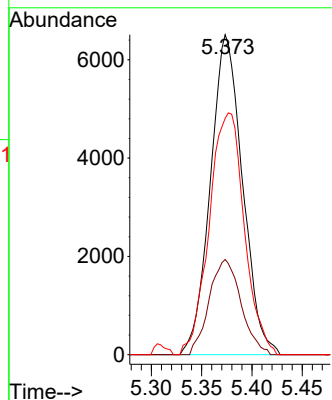
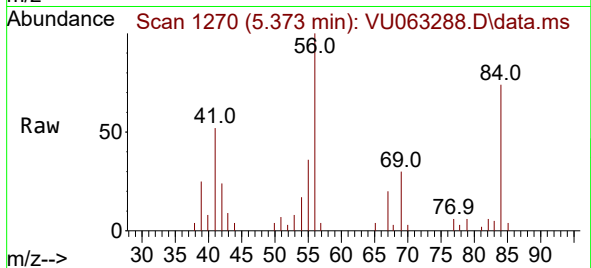
Tgt Ion: 56 Resp: 14467

Ion Ratio Lower Upper

56 100

69 29.5 24.2 36.4

84 82.3 67.2 100.8



#30

1,1,1-Trichloroethane

Concen: 5.24 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

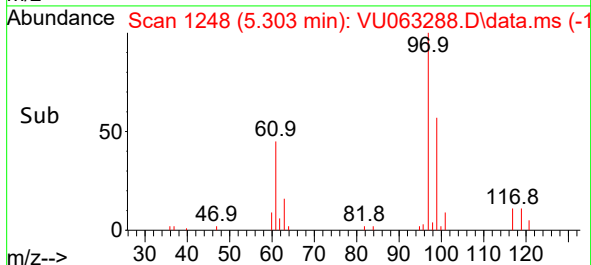
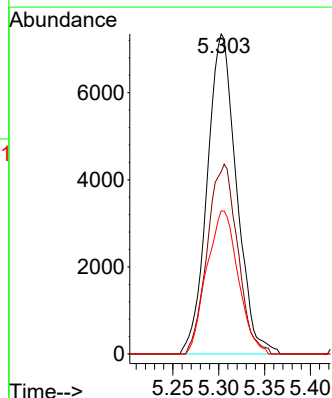
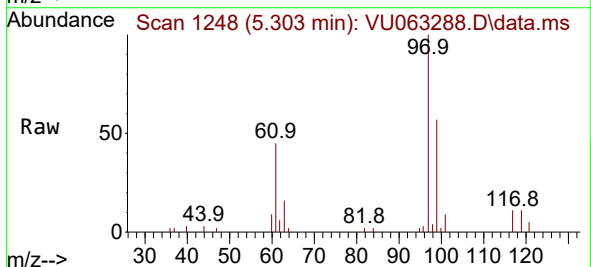
Tgt Ion: 97 Resp: 16334

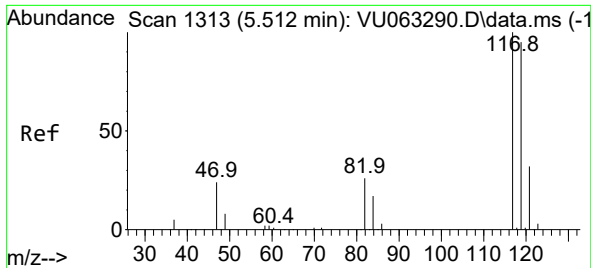
Ion Ratio Lower Upper

97 100

99 61.3 52.1 78.1

61 47.9 38.6 57.8

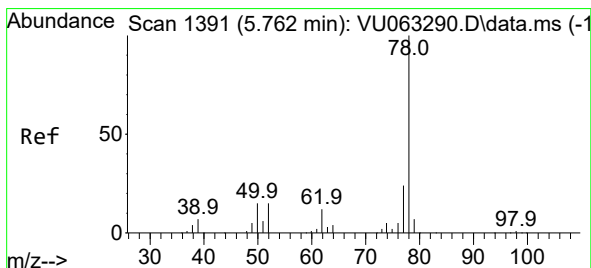
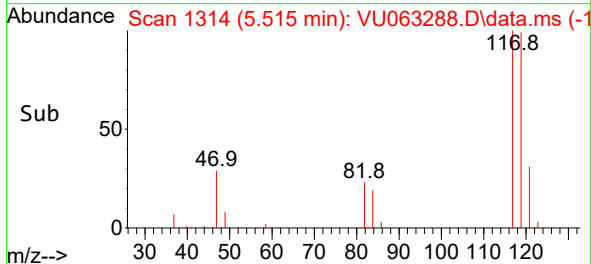
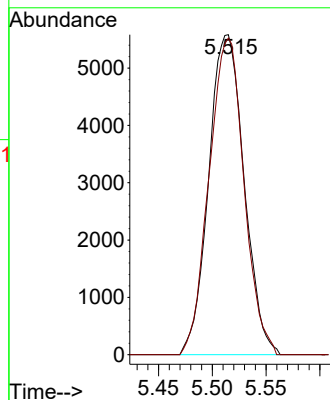
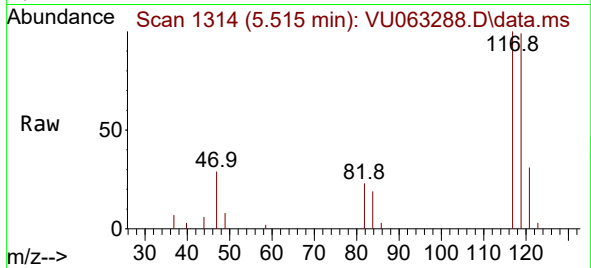




#31
Carbon tetrachloride
Concen: 4.78 ug/L
RT: 5.515 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

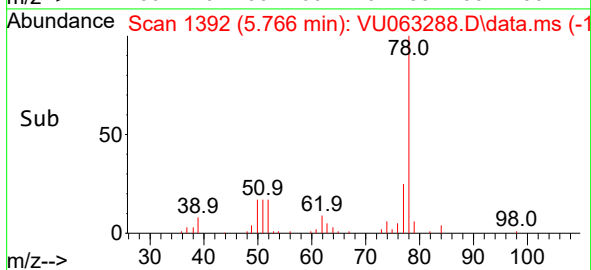
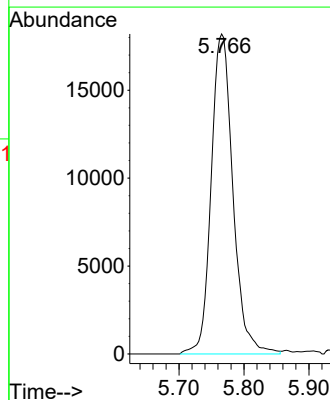
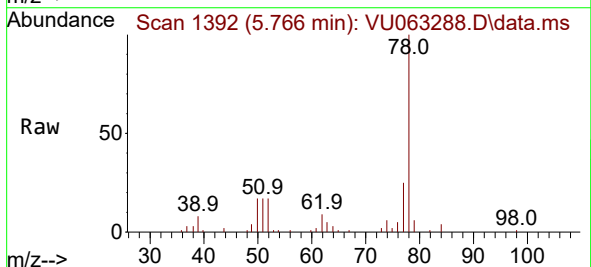
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

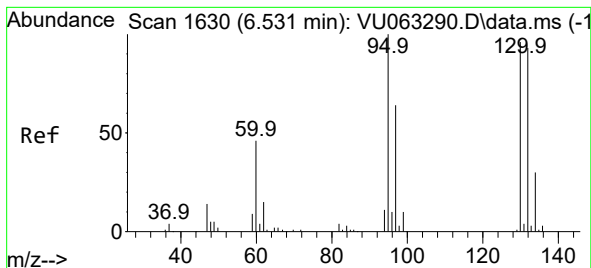
Tgt Ion:117 Resp: 12778
Ion Ratio Lower Upper
117 100
119 97.6 76.3 114.5



#33
Benzene
Concen: 5.14 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion: 78 Resp: 42365





#34

Trichloroethene

Concen: 5.02 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD005027

Tgt Ion: 95 Resp: 11158

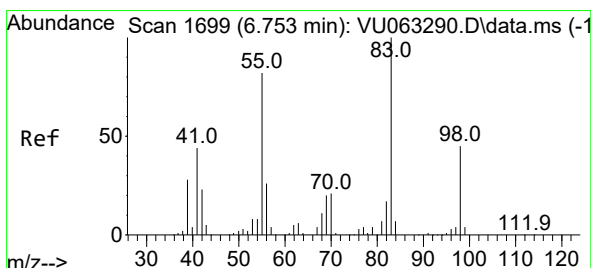
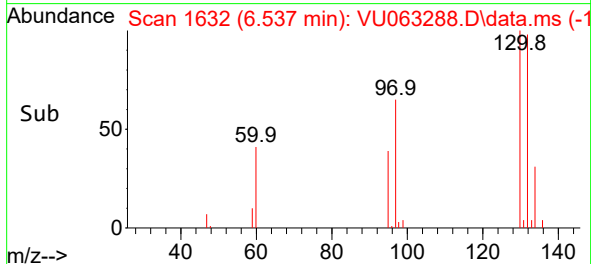
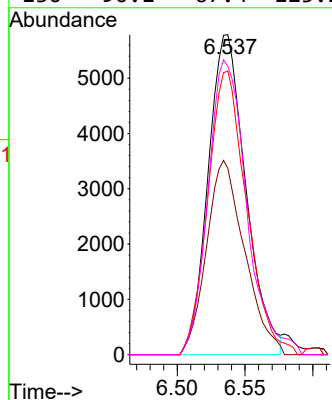
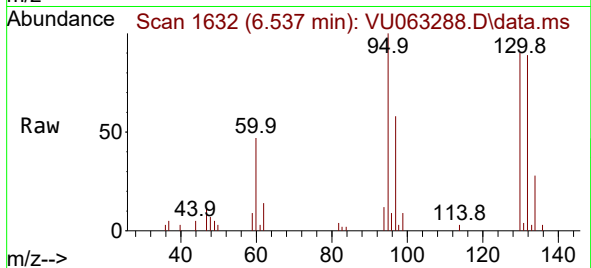
Ion Ratio Lower Upper

95 100

97 60.7 44.6 82.8

132 88.6 65.3 121.3

130 90.1 67.4 125.2



#35

Methylcyclohexane

Concen: 4.27 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

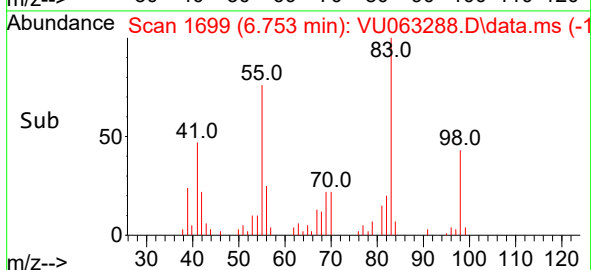
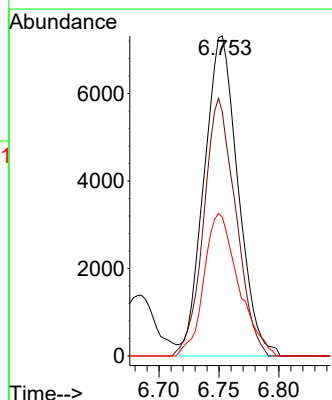
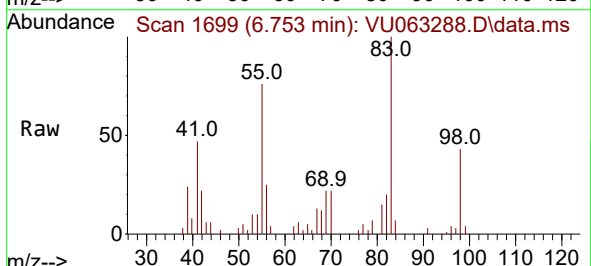
Tgt Ion: 83 Resp: 14375

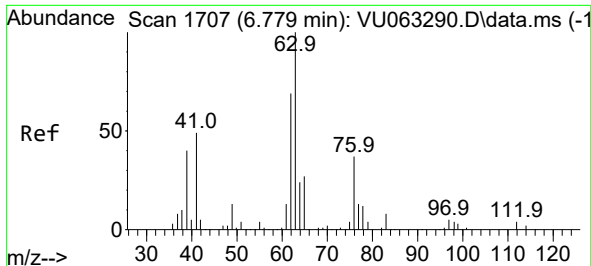
Ion Ratio Lower Upper

83 100

55 76.2 63.4 95.2

98 45.5 35.2 52.8

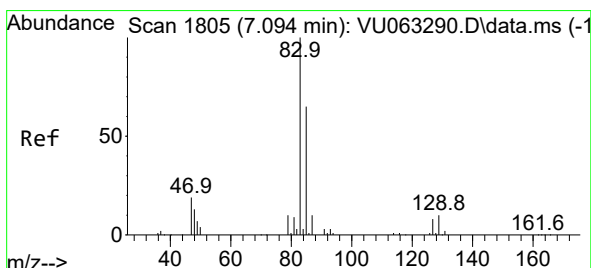
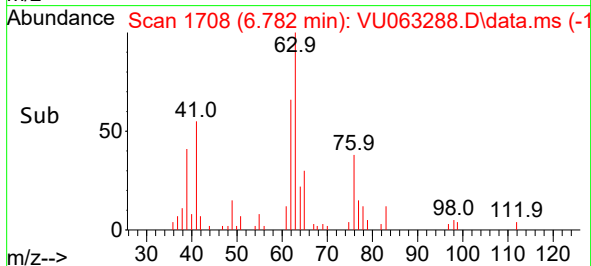
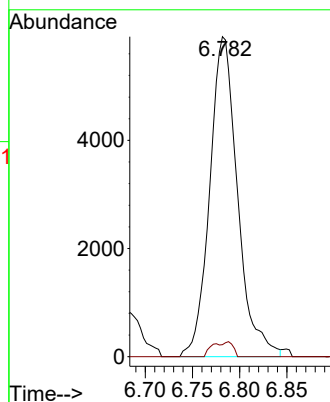
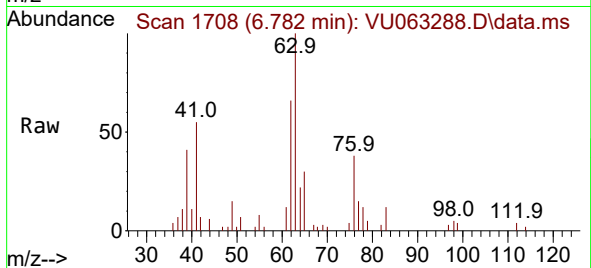




#37
1,2-Dichloropropane
Concen: 5.31 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

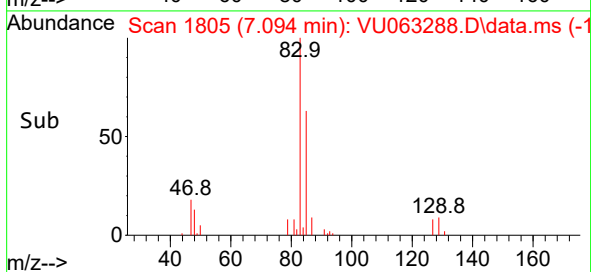
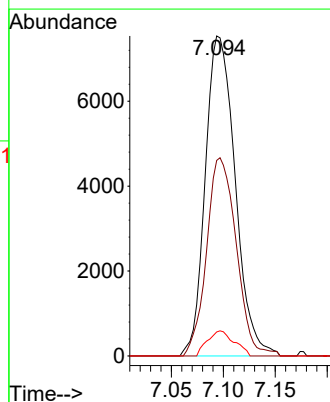
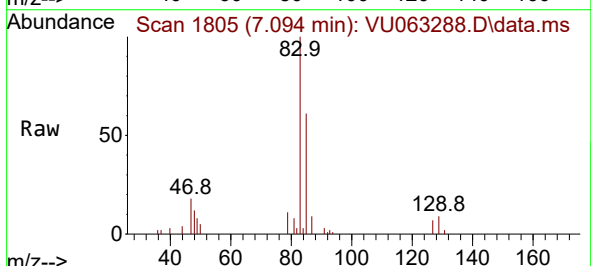
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

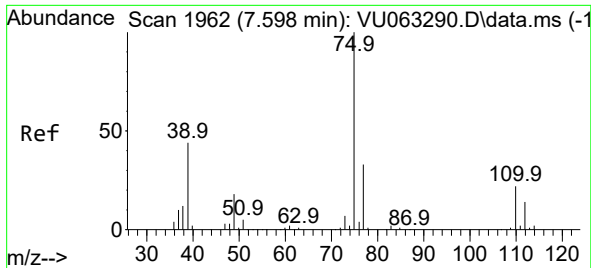
Tgt Ion: 63 Resp: 12130
Ion Ratio Lower Upper
63 100
112 1.8 2.9 4.3#



#38
Bromodichloromethane
Concen: 5.54 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion: 83 Resp: 15113
Ion Ratio Lower Upper
83 100
85 61.1 45.3 84.1
127 7.5 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 4.73 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

Instrument :

MSVOA_U

ClientSampleId :

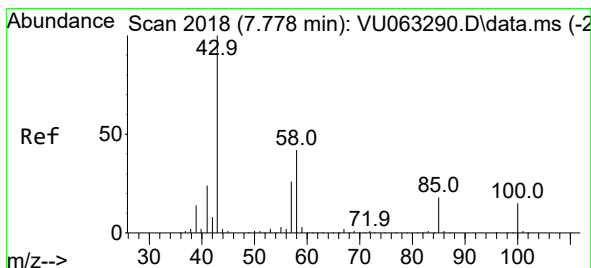
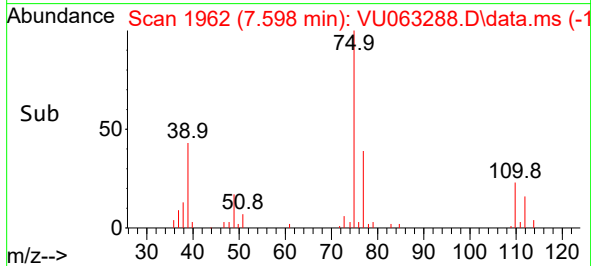
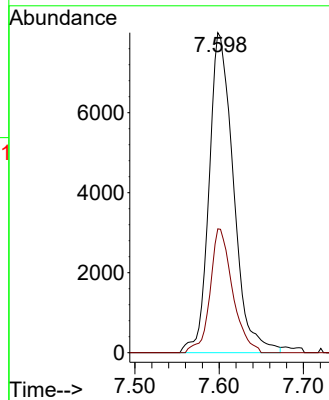
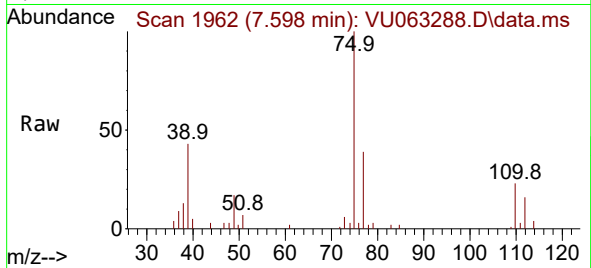
VSTD005027

Tgt Ion: 75 Resp: 16092

Ion Ratio Lower Upper

75 100

77 38.7 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 10.13 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.003 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

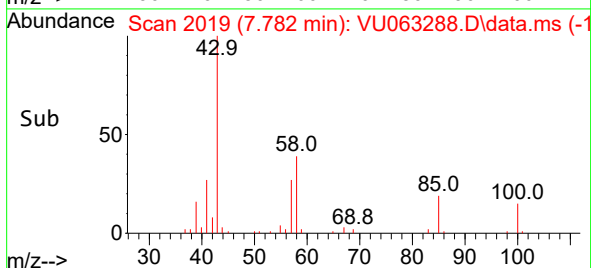
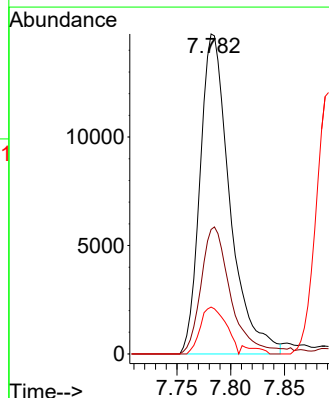
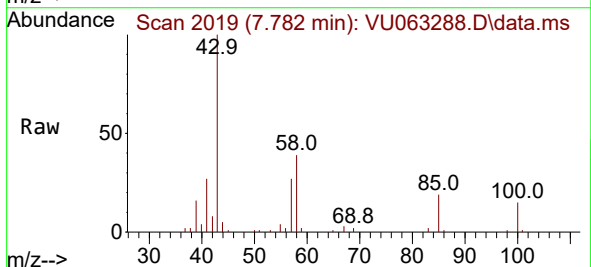
Tgt Ion: 43 Resp: 28369

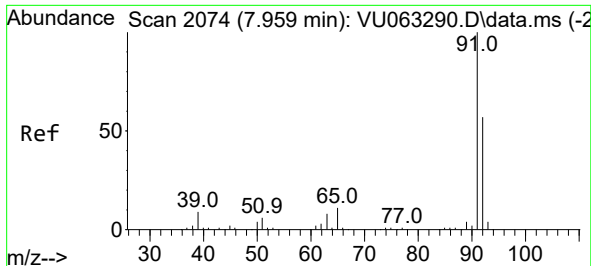
Ion Ratio Lower Upper

43 100

58 39.6 33.0 49.6

100 12.6 11.9 17.9





#42

Toluene

Concen: 4.54 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

Instrument :

MSVOA_U

ClientSampleId :

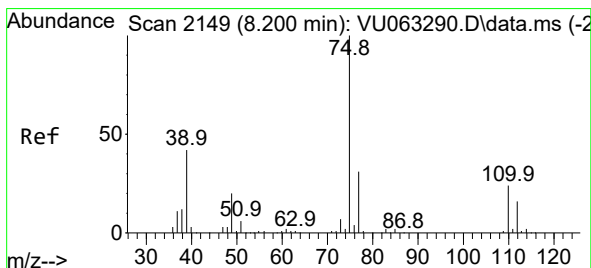
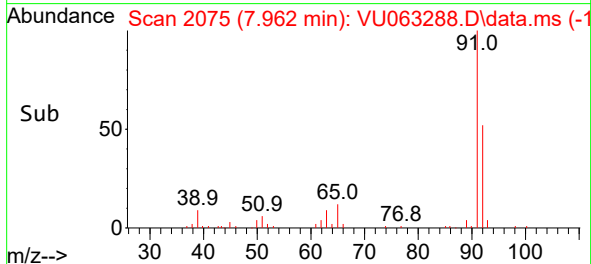
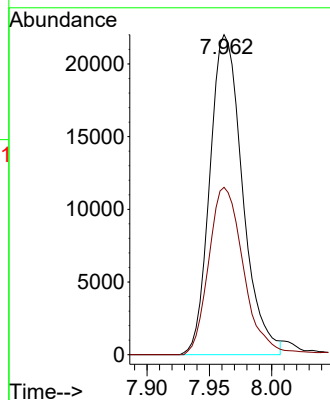
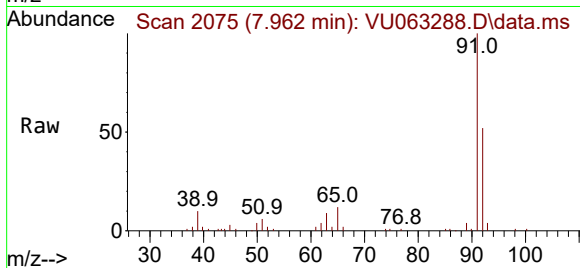
VSTD005027

Tgt Ion: 91 Resp: 40244

Ion Ratio Lower Upper

91 100

92 52.3 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.67 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063288.D

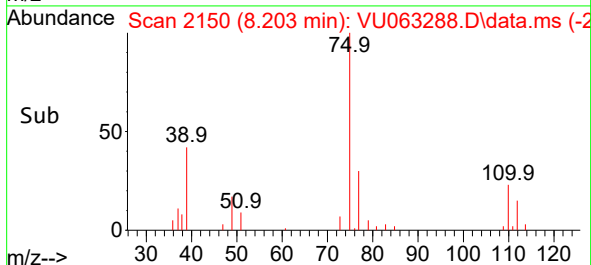
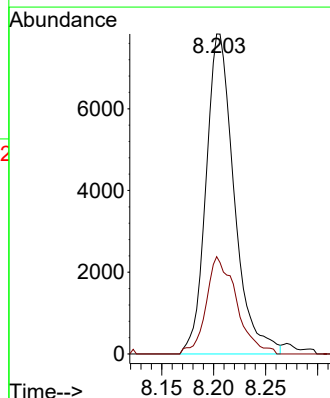
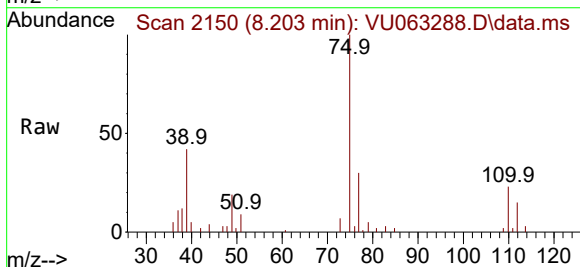
Acq: 17 Mar 2025 10:32

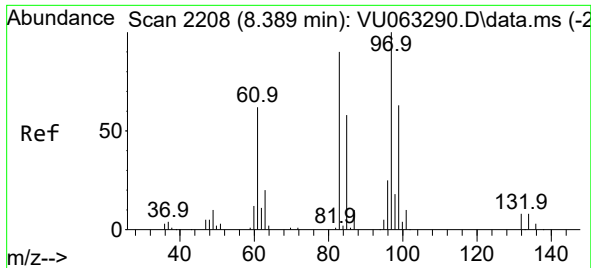
Tgt Ion: 75 Resp: 14741

Ion Ratio Lower Upper

75 100

77 30.4 21.7 40.3

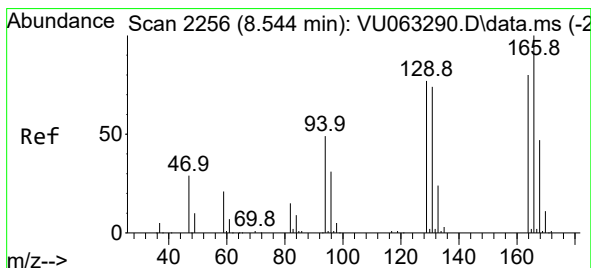
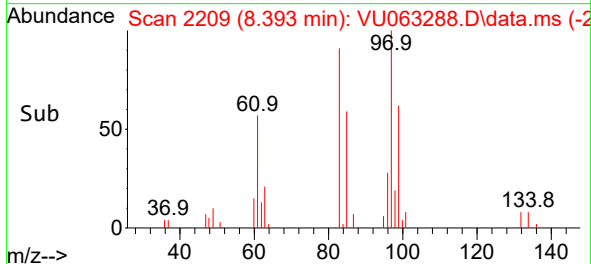
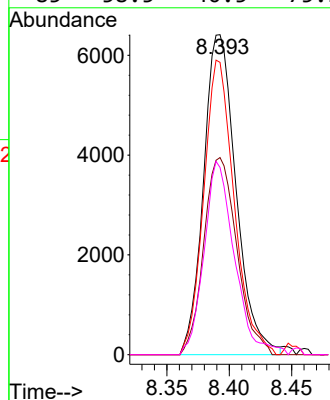
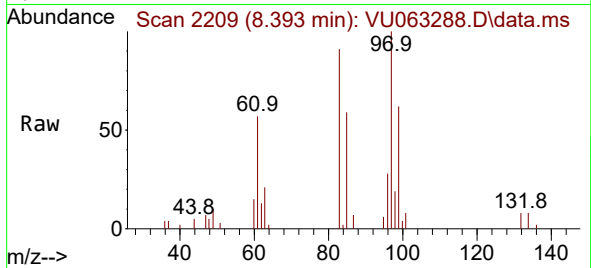




#45
1,1,2-Trichloroethane
Concen: 5.29 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

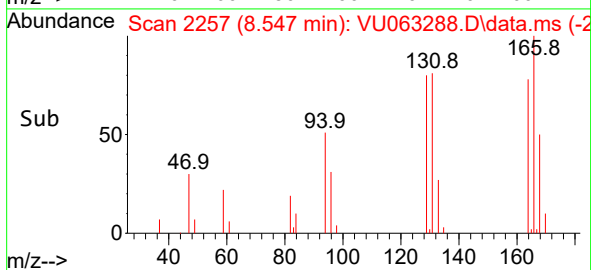
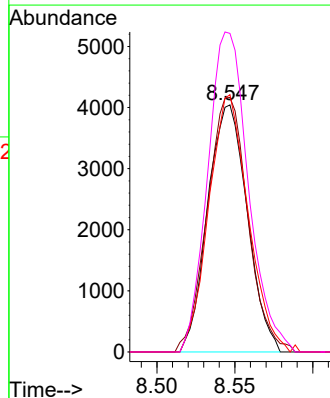
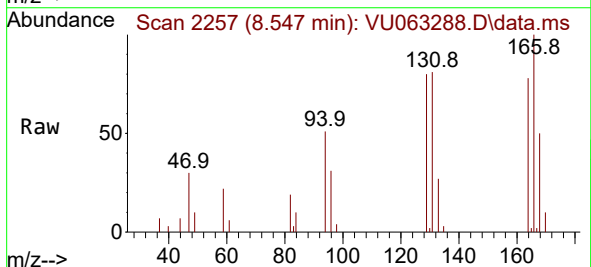
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

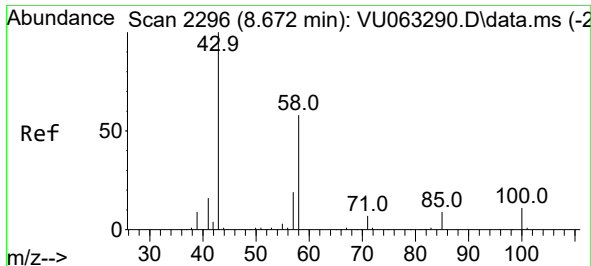
Tgt Ion:	97	Resp:	11645
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.4	82.4
83	91.4	63.3	117.5
85	58.5	40.5	75.1



#46
Tetrachloroethene
Concen: 4.52 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion:	164	Resp:	7146
Ion	Ratio	Lower	Upper
164	100		
129	103.1	67.8	125.8
131	104.2	64.3	119.5
166	129.0	87.6	162.6

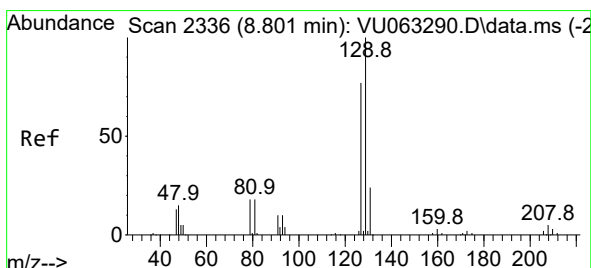
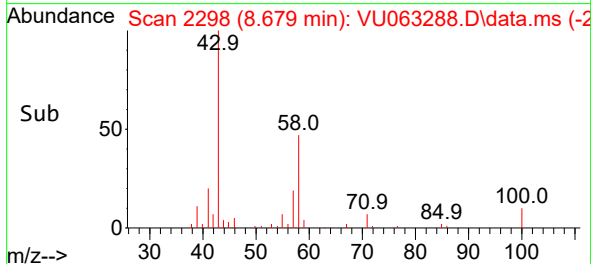
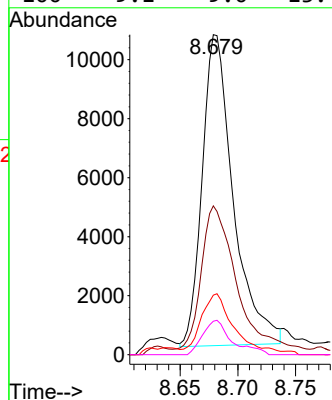
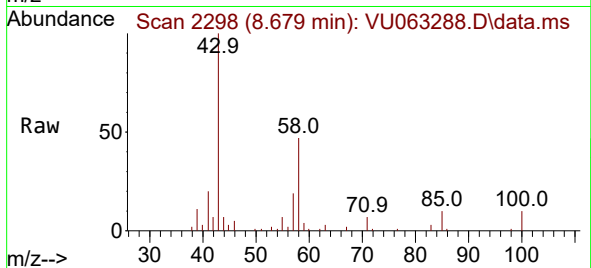




#48
2-Hexanone
Concen: 9.18 ug/L
RT: 8.679 min Scan# 2296
Delta R.T. 0.006 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

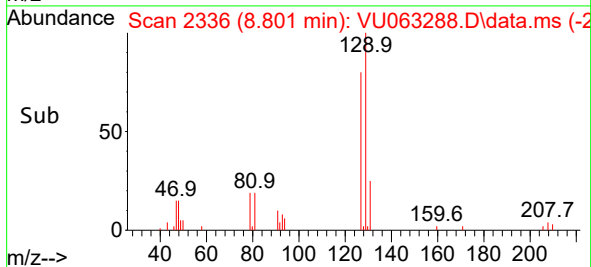
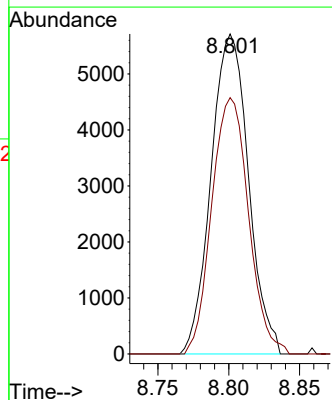
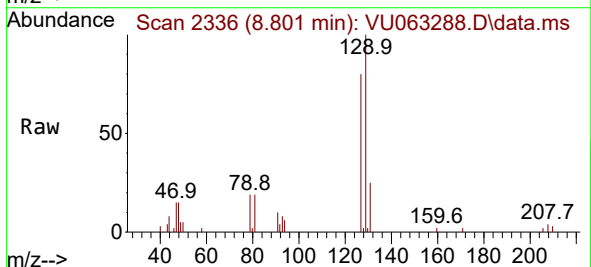
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

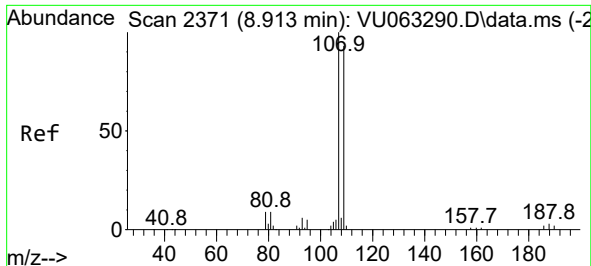
Tgt Ion:	43	Resp:	19787
Ion	Ratio	Lower	Upper
43	100		
58	55.4	46.6	69.8
57	17.4	15.8	23.6
100	9.1	9.0	13.4



#49
Dibromochloromethane
Concen: 4.74 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion:	129	Resp:	10502
Ion	Ratio	Lower	Upper
129	100		
127	78.7	54.0	100.4

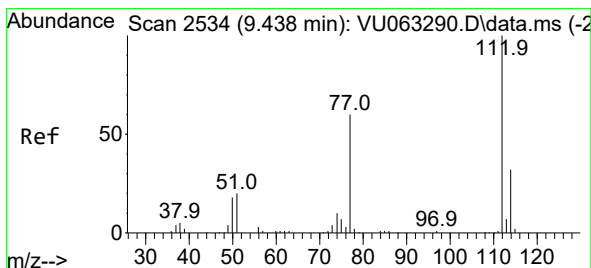
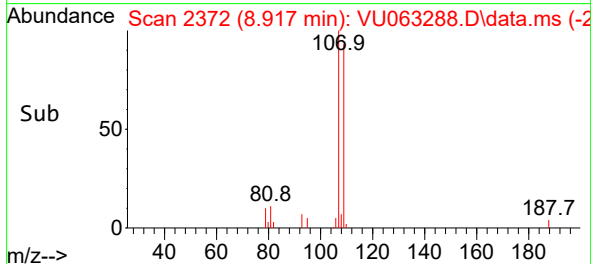
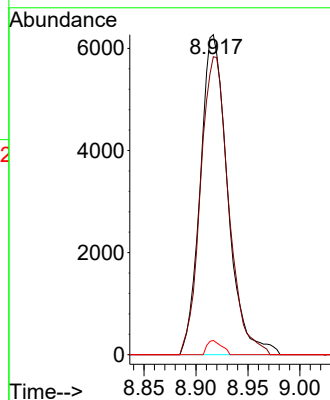
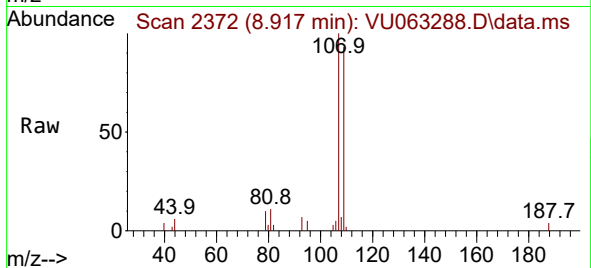




#50
1,2-Dibromoethane
Concen: 4.88 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

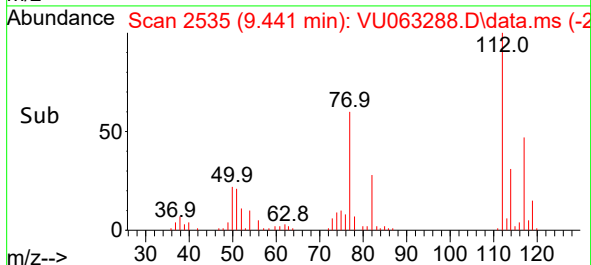
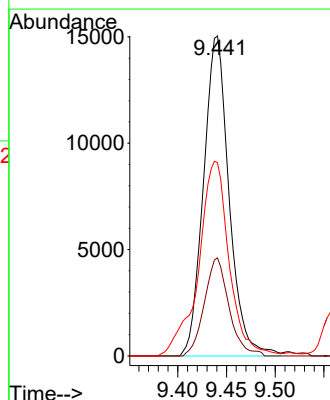
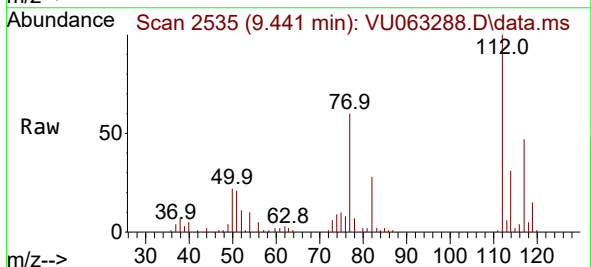
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

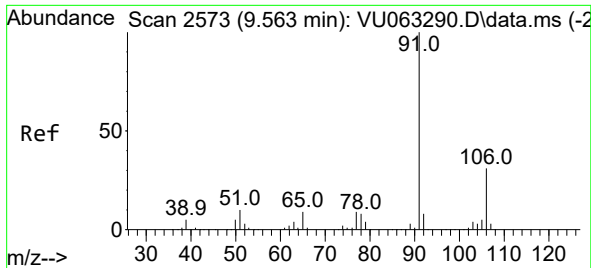
Tgt Ion:107 Resp: 11484
Ion Ratio Lower Upper
107 100
109 93.1 65.2 121.0
188 4.4 2.5 3.7#



#51
Chlorobenzene
Concen: 4.99 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion:112 Resp: 27496
Ion Ratio Lower Upper
112 100
114 30.7 22.3 41.5
77 60.4 48.7 73.1

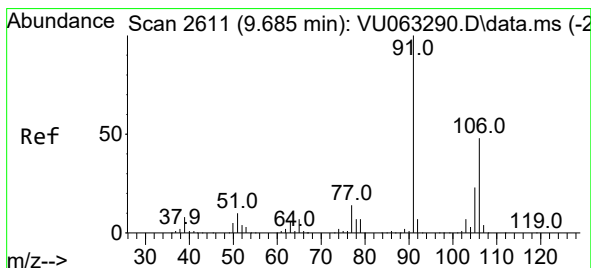
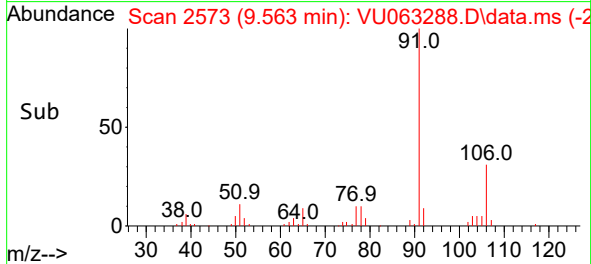
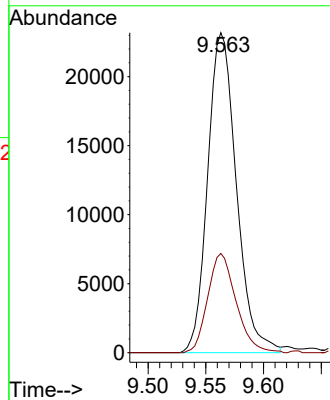
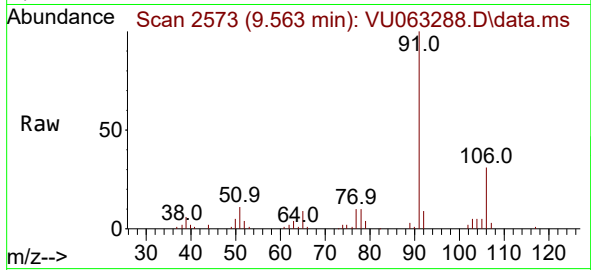




#52
Ethylbenzene
Concen: 4.21 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

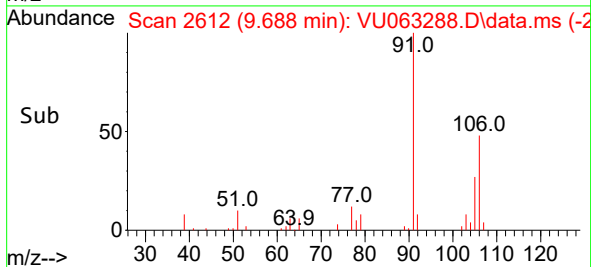
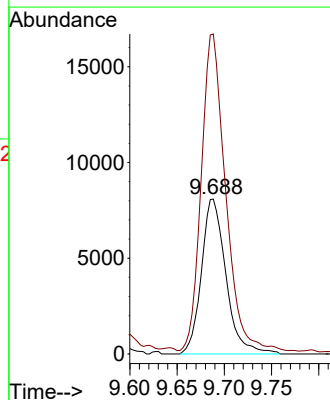
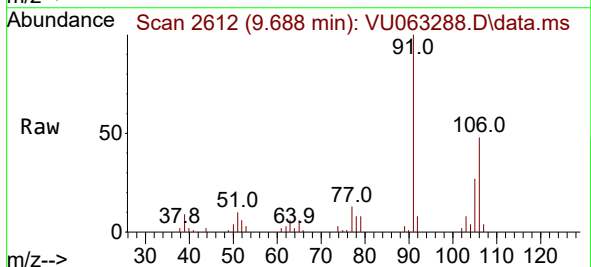
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

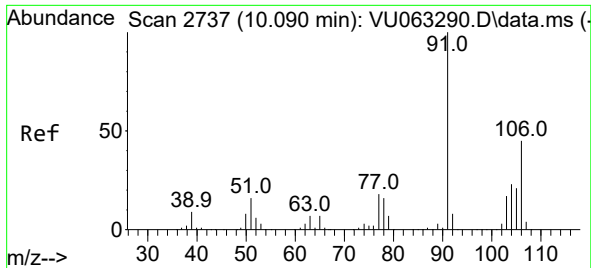
Tgt Ion: 91 Resp: 40136
Ion Ratio Lower Upper
91 100
106 31.0 21.5 39.9



#53
m,p-Xylene
Concen: 4.11 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion: 106 Resp: 14588
Ion Ratio Lower Upper
106 100
91 206.6 147.3 273.6

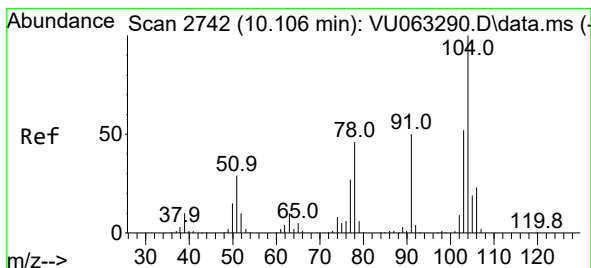
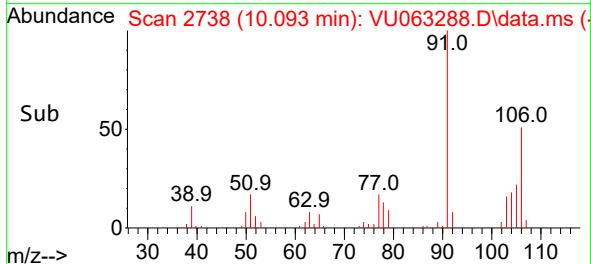
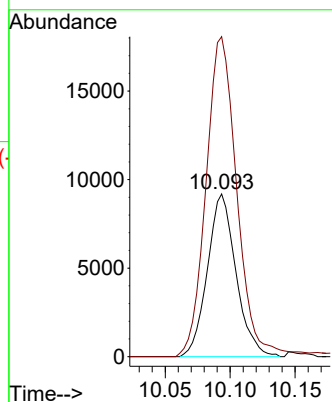
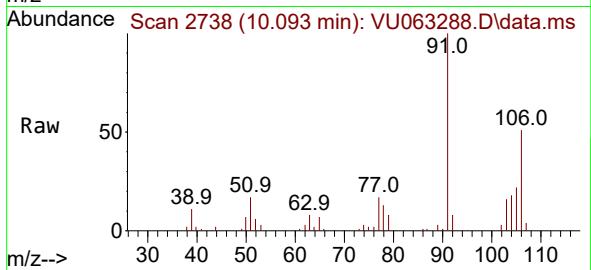




#54
o-Xylene
Concen: 3.94 ug/L
RT: 10.093 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

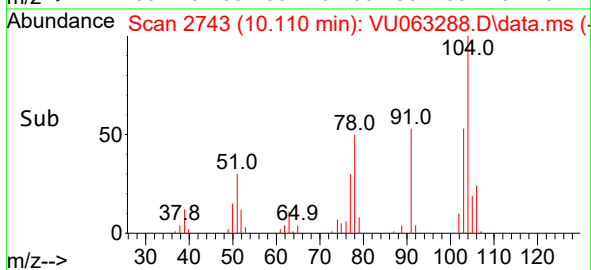
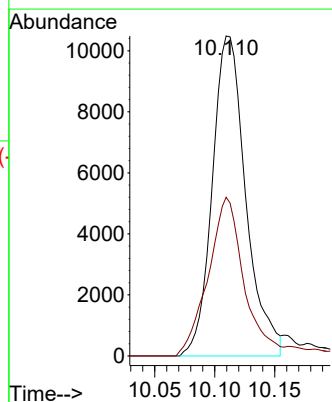
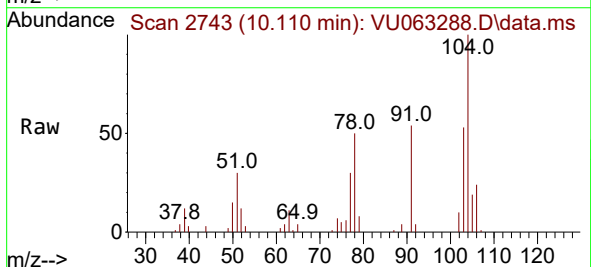
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

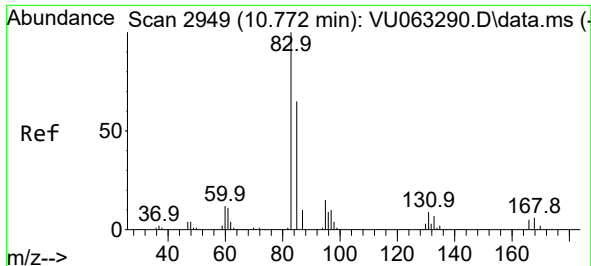
Tgt Ion:106 Resp: 14046
Ion Ratio Lower Upper
106 100
91 196.7 156.7 291.1



#55
Styrene
Concen: 3.36 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion:104 Resp: 20394
Ion Ratio Lower Upper
104 100
78 49.6 32.4 60.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.07 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD005027

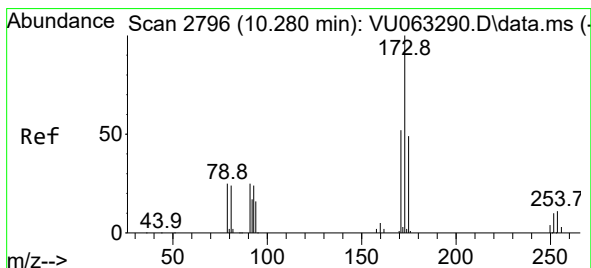
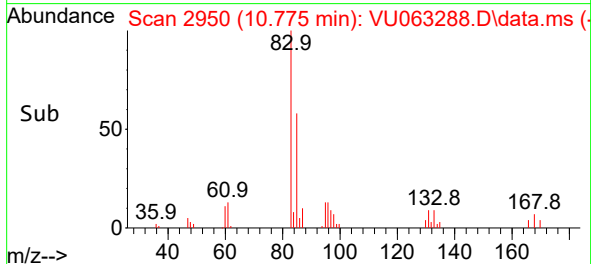
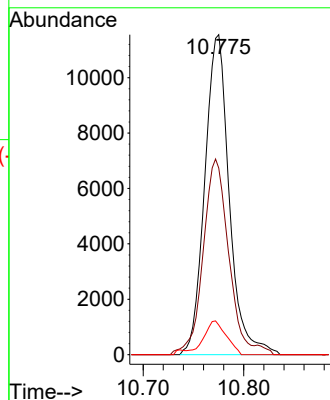
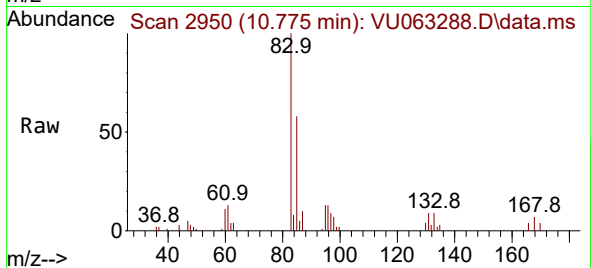
Tgt Ion: 83 Resp: 19556

Ion Ratio Lower Upper

83 100

85 58.3 45.6 84.8

131 9.2 7.1 10.7



#59

Bromoform

Concen: 5.11 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.003 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

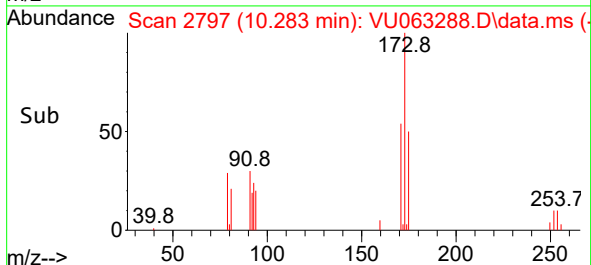
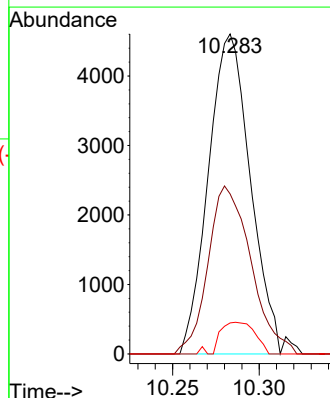
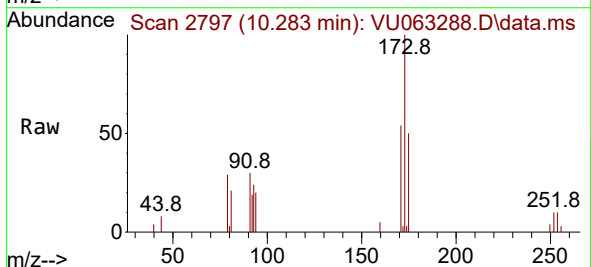
Tgt Ion: 173 Resp: 7732

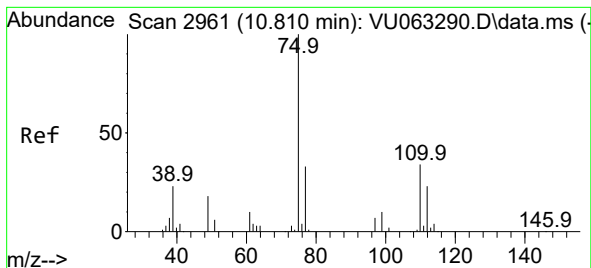
Ion Ratio Lower Upper

173 100

175 53.7 38.6 57.8

254 8.1 7.8 11.6





#60

1,2,3-Trichloropropane

Concen: 6.32 ug/L

RT: 10.814 min Scan# 2961

Delta R.T. 0.003 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

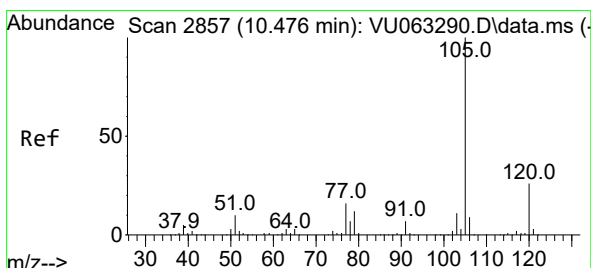
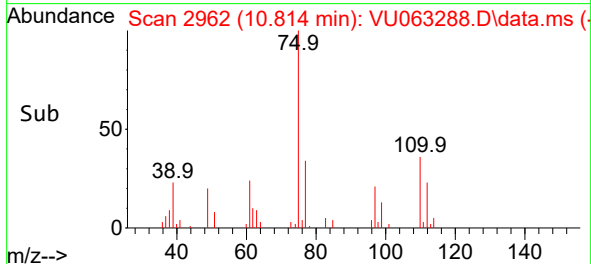
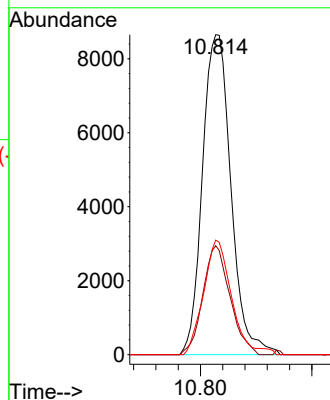
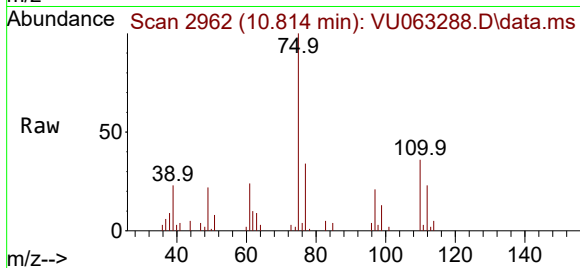
Instrument :

MSVOA_U

ClientSampleId :

VSTD005027

Tgt Ion:	75	Resp:	15384
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.9	38.9
110	35.2	27.8	41.8



#61

Isopropylbenzene

Concen: 4.65 ug/L

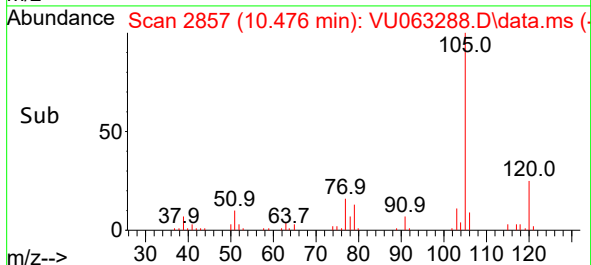
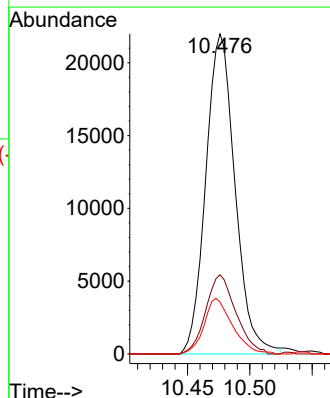
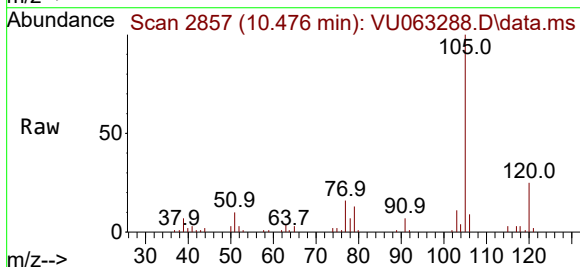
RT: 10.476 min Scan# 2857

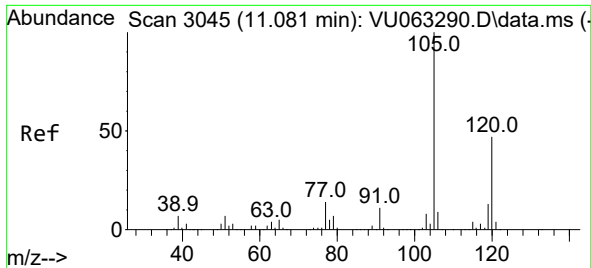
Delta R.T. -0.000 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

Tgt Ion:	105	Resp:	35904
Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0
77	16.9	13.0	19.4

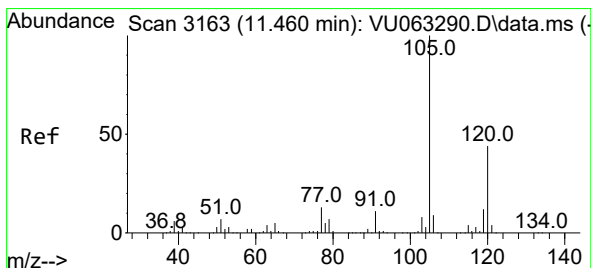
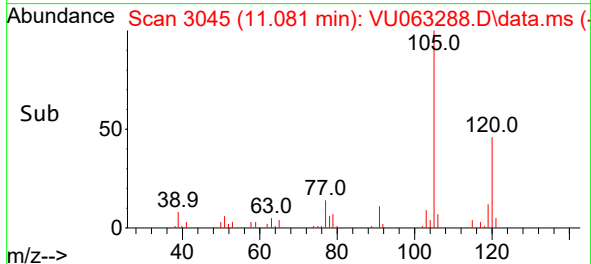
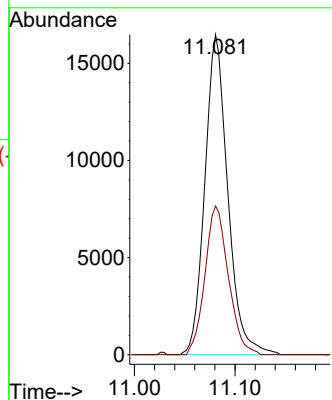
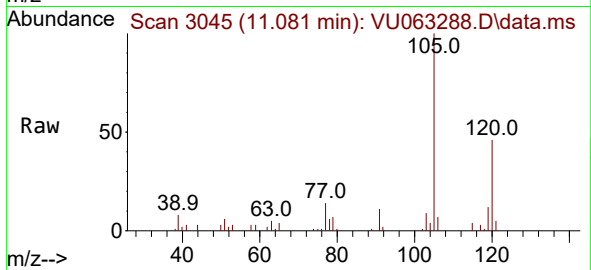




#62
1,3,5-Trimethylbenzene
Concen: 4.15 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

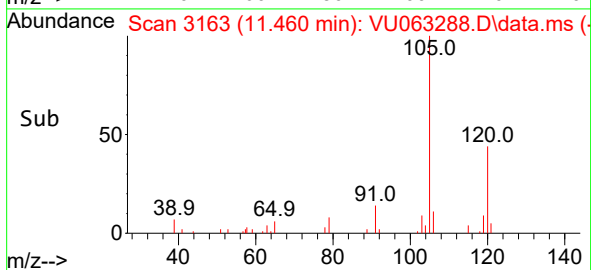
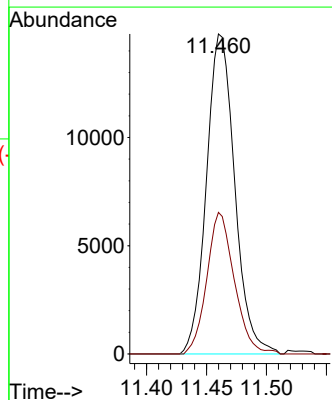
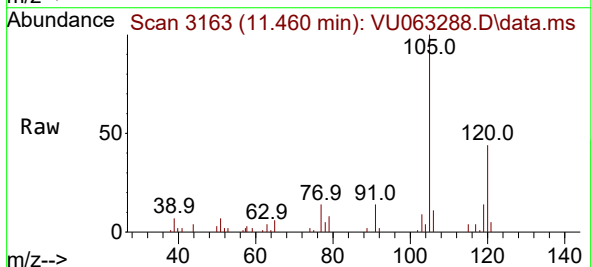
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

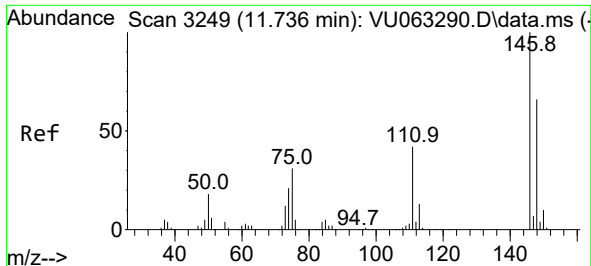
Tgt Ion:105 Resp: 26109
Ion Ratio Lower Upper
105 100
120 47.4 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 3.90 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion:105 Resp: 24272
Ion Ratio Lower Upper
105 100
120 42.6 35.4 53.2

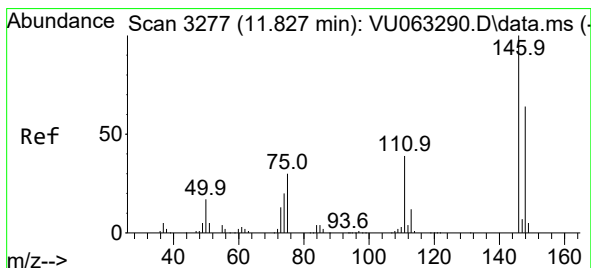
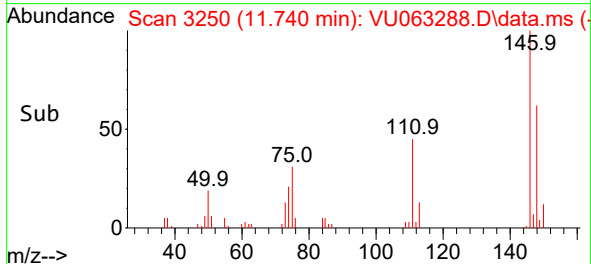
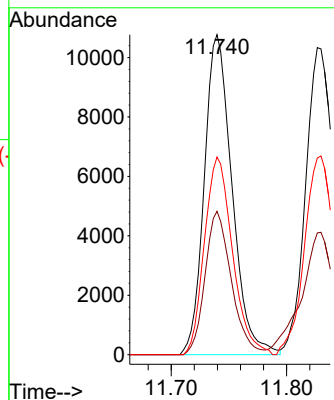
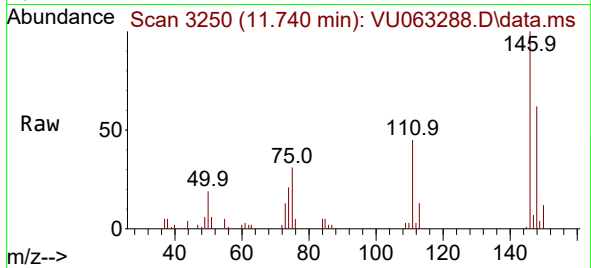




#64
1,3-Dichlorobenzene
Concen: 4.87 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

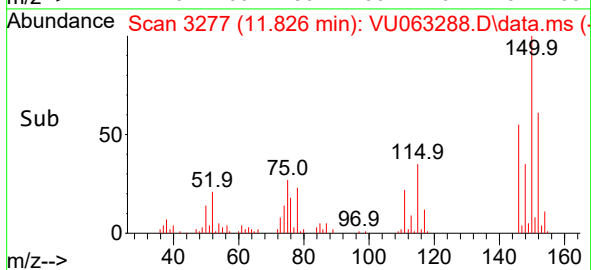
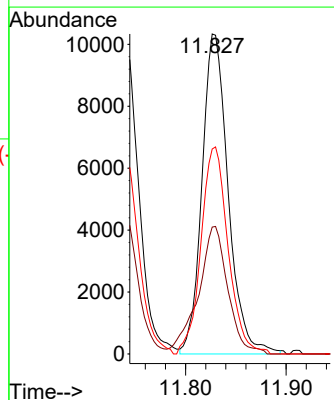
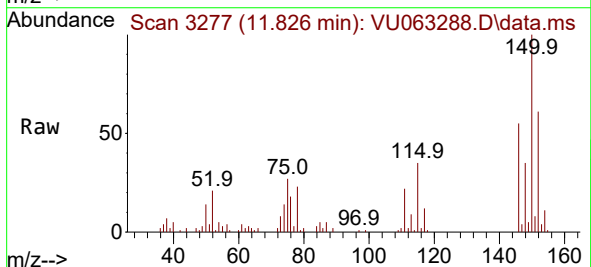
Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

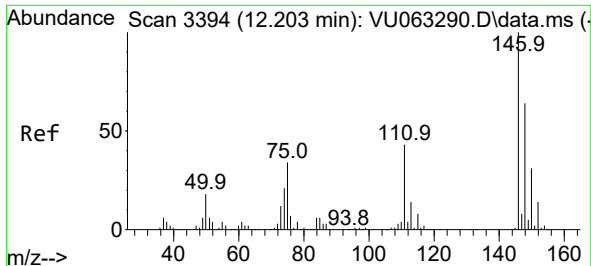
Tgt Ion:146 Resp: 17978
Ion Ratio Lower Upper
146 100
111 44.8 29.2 54.2
148 65.5 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 4.89 ug/L
RT: 11.826 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion:146 Resp: 18708
Ion Ratio Lower Upper
146 100
111 39.7 27.5 51.1
148 64.1 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.05 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD005027

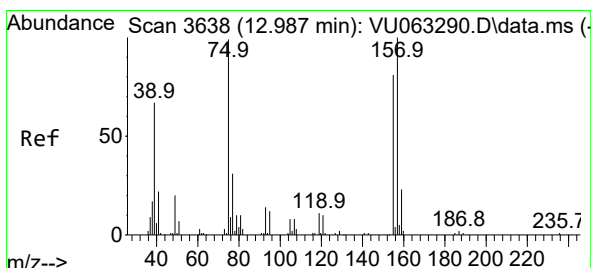
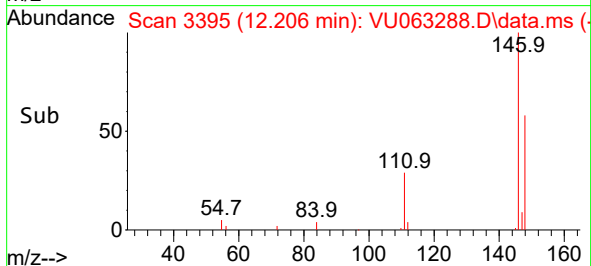
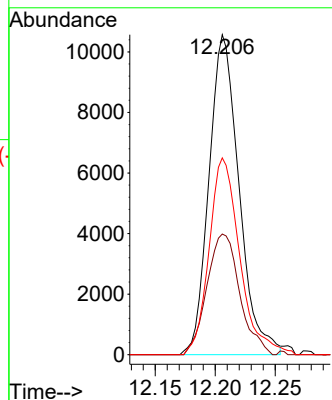
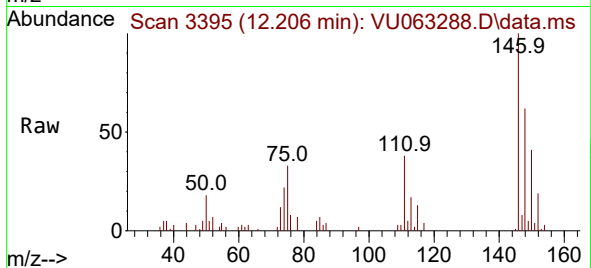
Tgt Ion:146 Resp: 18408

Ion Ratio Lower Upper

146 100

111 37.7 34.7 52.1

148 61.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.92 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU063288.D

Acq: 17 Mar 2025 10:32

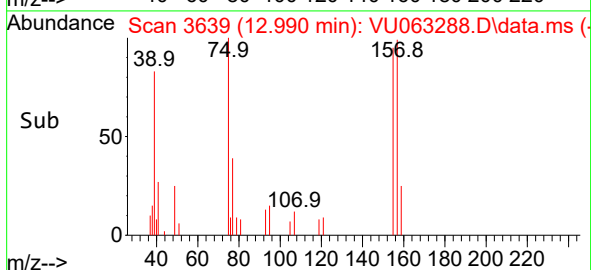
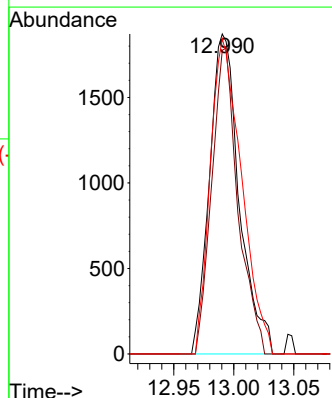
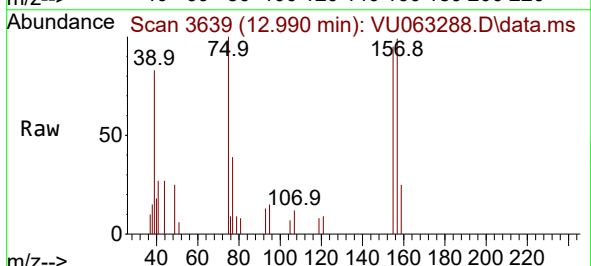
Tgt Ion: 75 Resp: 3235

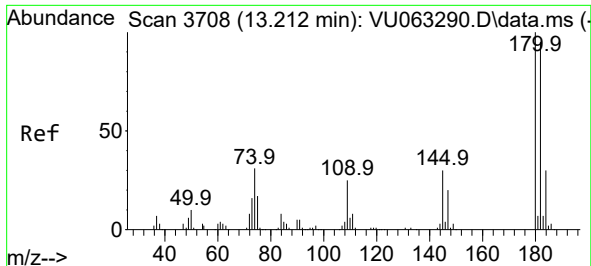
Ion Ratio Lower Upper

75 100

155 94.9 68.4 102.6

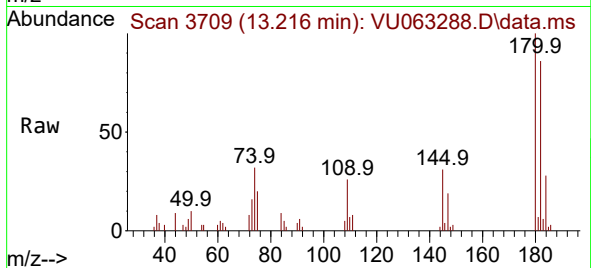
157 98.5 84.2 126.4



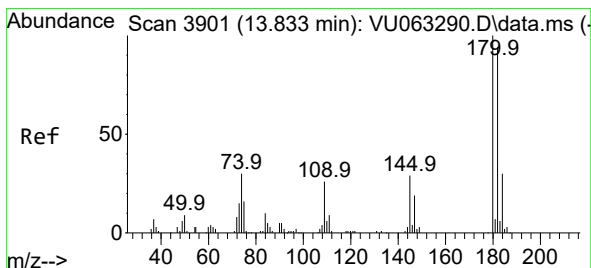
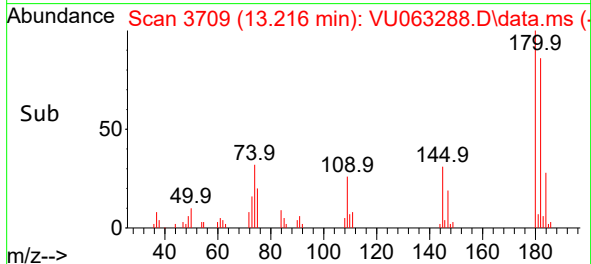
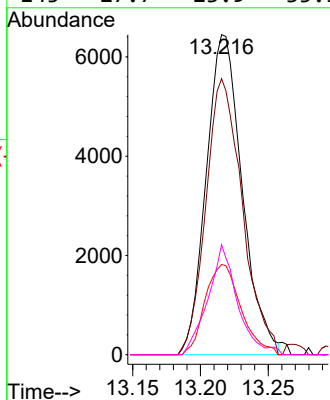


#69
 1,3,5-Trichlorobenzene
 Concen: 4.76 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063288.D
 Acq: 17 Mar 2025 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005027

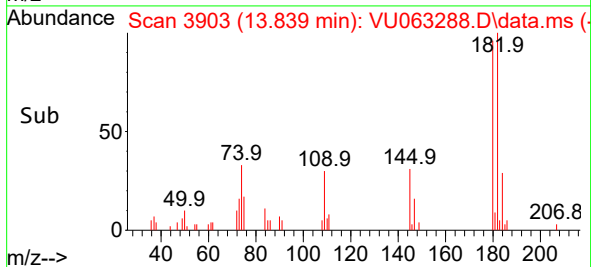
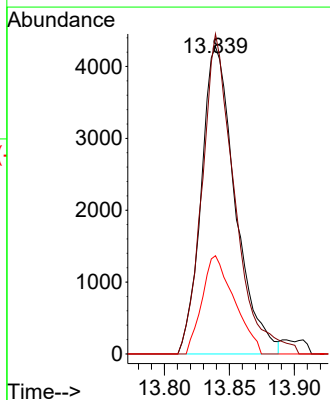
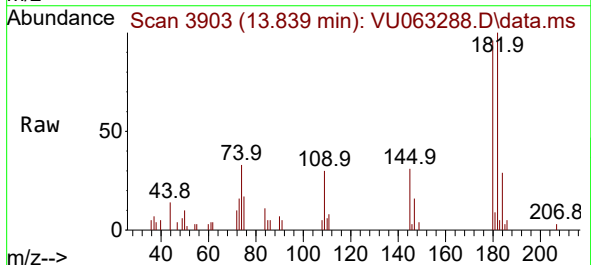


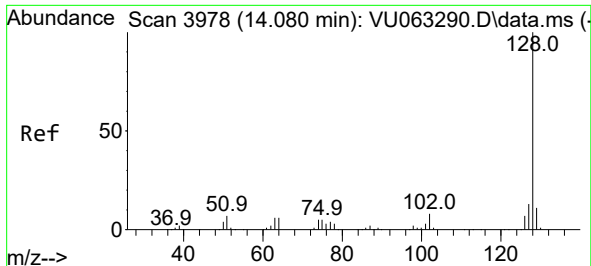
Tgt Ion:180 Resp: 11858
 Ion Ratio Lower Upper
 180 100
 182 87.4 77.2 115.8
 184 28.3 24.3 36.5
 145 27.7 23.9 35.9



#70
 1,2,4-trichlorobenzene
 Concen: 3.65 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.006 min
 Lab File: VU063288.D
 Acq: 17 Mar 2025 10:32

Tgt Ion:180 Resp: 7769
 Ion Ratio Lower Upper
 180 100
 182 99.1 75.8 113.8
 145 30.3 24.0 36.0

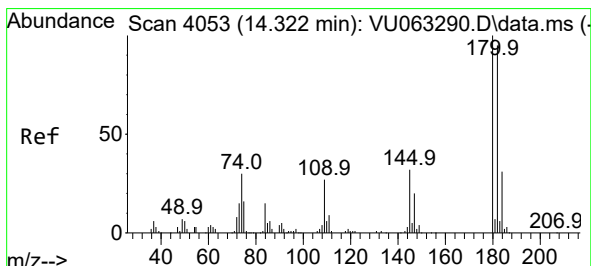
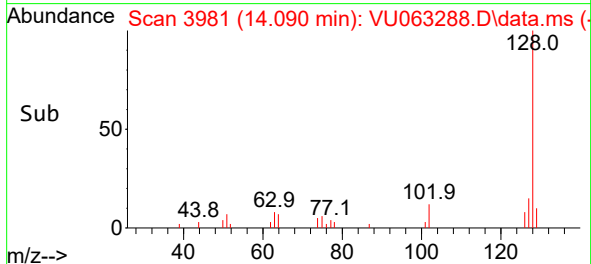
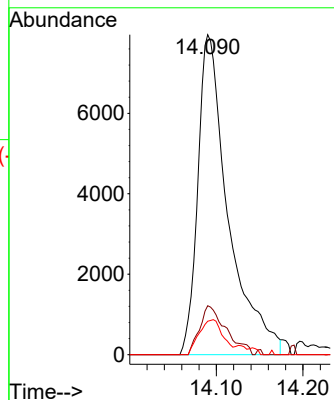
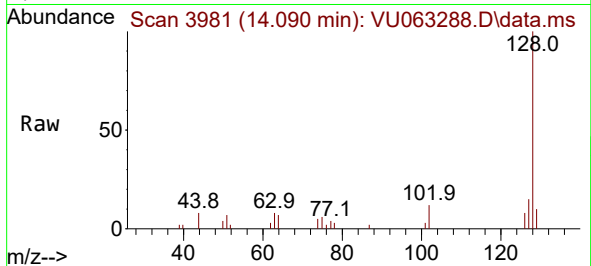




#71
Naphthalene
Concen: 3.01 ug/L
RT: 14.090 min Scan# 3978
Delta R.T. 0.010 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD005027

Tgt Ion:128 Resp: 19370
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 8.5 8.6 12.8#



#72
1,2,3-Trichlorobenzene
Concen: 3.63 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.006 min
Lab File: VU063288.D
Acq: 17 Mar 2025 10:32

Tgt Ion:180 Resp: 7485
Ion Ratio Lower Upper
180 100
182 95.8 77.3 115.9
145 34.2 25.7 38.5

