

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063291.D
 Acq On : 17 Mar 2025 12:25
 Operator : MD/SY
 Sample : VSTD100
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100030

Quant Time: Mar 21 08:37:07 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	6.235	114	292013	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	282351	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	147204	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	236555	106.66	ug/L	0.00
7) Chloroethane-d5	1.891	69	194182	154.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	405805	104.63	ug/L	0.00
21) 2-Butanone-d5	4.605	46	362901	251.42	ug/L	0.00
24) Chloroform-d	5.046	84	441066	109.16	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.686	65	274998	117.58	ug/L	0.00
32) Benzene-d6	5.711	84	893214	107.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	285984	106.22	ug/L	0.00
41) Toluene-d8	7.885	98	823423	107.75	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	134077	106.80	ug/L	0.00
47) 2-Hexanone-d5	8.621	63	252479	220.40	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	437073	108.87	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	294369	104.37	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	214554	94.39	ug/L	99
3) Chloromethane	1.518	50	235506	98.15	ug/L	100
5) Vinyl chloride	1.599	62	245137	89.97	ug/L	99
6) Bromomethane	1.827	94	138187	148.02	ug/L	99
8) Chloroethane	1.914	64	146901	133.57	ug/L	99
9) Trichlorofluoromethane	2.123	101	282872	94.84	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	173931	84.57	ug/L	99
12) 1,1-Dichloroethene	2.563	96	170398	84.26	ug/L	90
13) Acetone	2.612	43	208688	221.74	ug/L	99
14) Carbon disulfide	2.779	76	532478	85.25	ug/L	99
15) Methyl Acetate	2.933	43	228947	103.32	ug/L #	100
16) Methylene chloride	3.030	84	202636	86.53	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	180487	87.24	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	585195	91.34	ug/L	100
19) 1,1-Dichloroethane	3.850	63	361320	93.59	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	207822	88.60	ug/L	98
22) 2-Butanone	4.686	43	333820	225.02	ug/L	96
23) Bromochloromethane	4.959	128	105219	88.14	ug/L	99
25) Chloroform	5.071	83	361249	92.15	ug/L	100
27) 1,2-Dichloroethane	5.779	62	293944	100.98	ug/L	99
29) Cyclohexane	5.374	56	314250	88.70	ug/L	100
30) 1,1,1-Trichloroethane	5.300	97	296800	87.82	ug/L	100
31) Carbon tetrachloride	5.509	117	253486	87.46	ug/L	99
33) Benzene	5.759	78	820874	91.80	ug/L	100
34) Trichloroethene	6.528	95	205594	85.28	ug/L	98
35) Methylcyclohexane	6.753	83	309915	84.95	ug/L	99
37) 1,2-Dichloropropane	6.776	63	225702	91.06	ug/L	100
38) Bromodichloromethane	7.094	83	274498	92.80	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	349004	94.52	ug/L	98
40) 4-Methyl-2-pentanone	7.779	43	630996	207.82	ug/L	100
42) Toluene	7.959	91	881653	91.72	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	325877	95.20	ug/L	100

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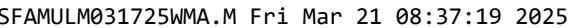
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100030

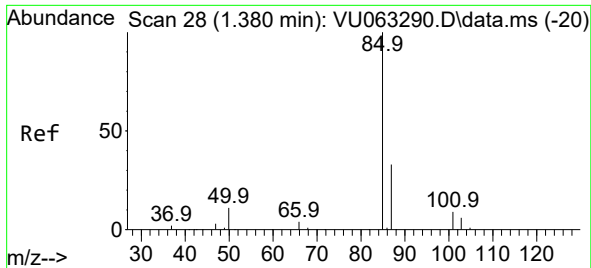
Quant Time: Mar 21 08:37:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 08:30:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	213237	89.32	ug/L	98
46) Tetrachloroethene	8.541	164	149303	87.15	ug/L	99
48) 2-Hexanone	8.673	43	505423	216.25	ug/L	99
49) Dibromochloromethane	8.798	129	210990	87.84	ug/L	97
50) 1,2-Dibromoethane	8.910	107	226474	88.67	ug/L	99
51) Chlorobenzene	9.435	112	526966	88.11	ug/L	98
52) Ethylbenzene	9.560	91	941571	90.98	ug/L	99
53) m,p-Xylene	9.682	106	353805	91.82	ug/L	98
54) o-Xylene	10.090	106	339030	87.65	ug/L	99
55) Styrene	10.103	104	596734	90.58	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.769	83	380984	91.12	ug/L	98
59) Bromoform	10.280	173	172550	87.80	ug/L	100
60) 1,2,3-Trichloropropane	10.811	75	292023	92.39	ug/L	99
61) Isopropylbenzene	10.473	105	897861	89.49	ug/L	100
62) 1,3,5-Trimethylbenzene	11.078	105	739405	90.50	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	729491	90.30	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	414127	86.38	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	414061	83.25	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	415236	87.64	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	81928	95.83	ug/L	96
69) 1,3,5-Trichlorobenzene	13.209	180	278743	86.16	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	227679	82.27	ug/L	99
71) Naphthalene	14.077	128	714487	85.32	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	231778	86.49	ug/L	99

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

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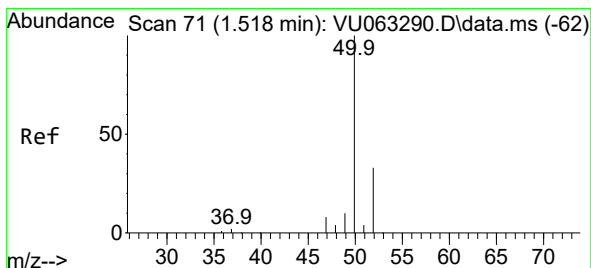
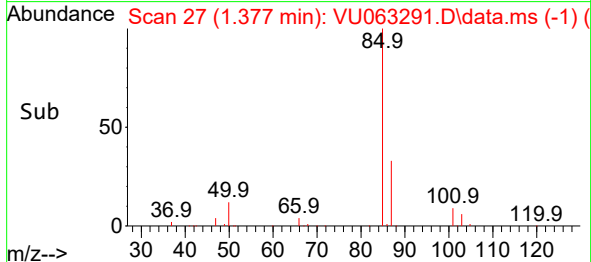
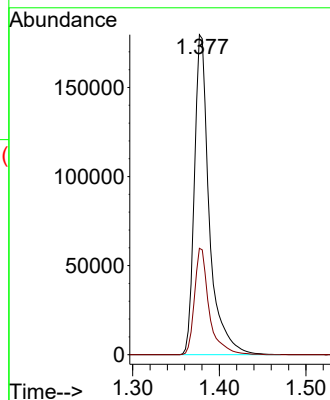
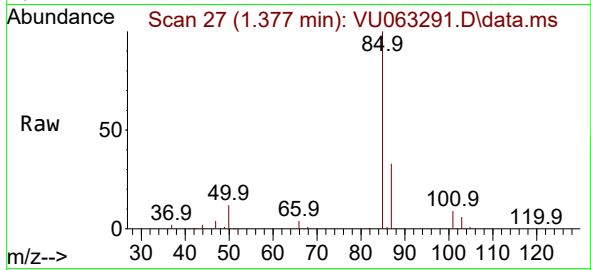




#2
Dichlorodifluoromethane
Concen: 94.39 ug/L
RT: 1.377 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

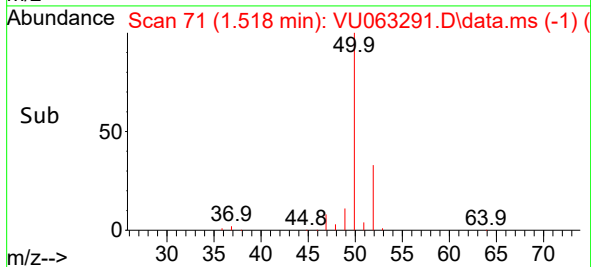
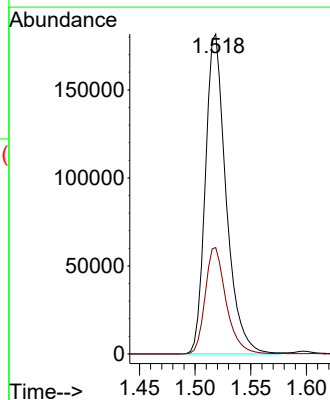
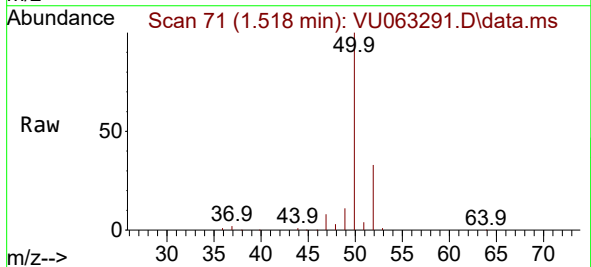
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

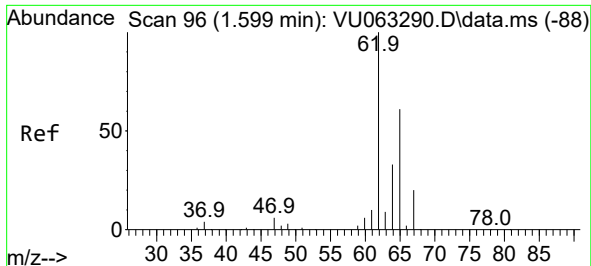
Tgt Ion: 85 Resp: 214554
Ion Ratio Lower Upper
85 100
87 32.7 25.8 38.6



#3
Chloromethane
Concen: 98.15 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 50 Resp: 235506
Ion Ratio Lower Upper
50 100
52 33.2 23.2 43.0

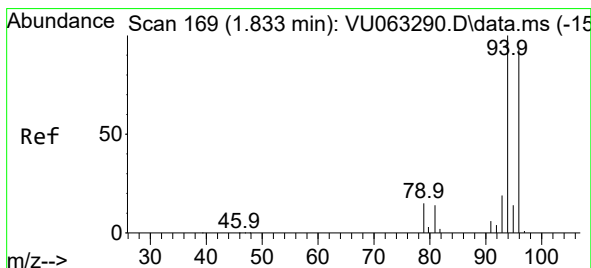
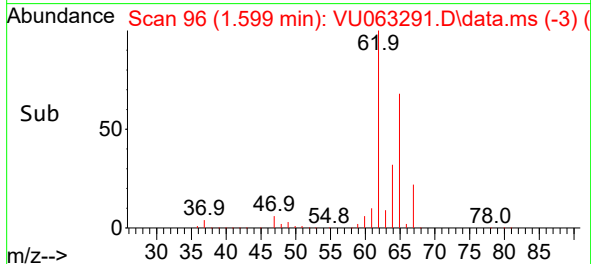
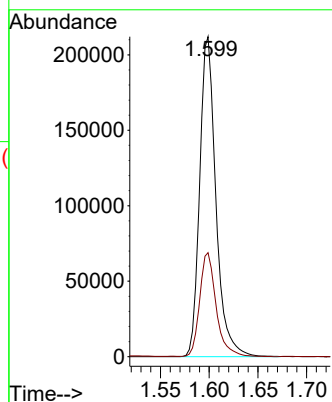
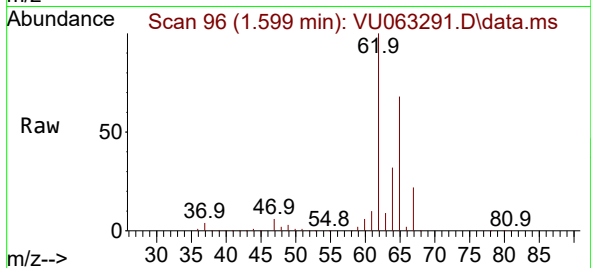




#5
Vinyl chloride
Concen: 89.97 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

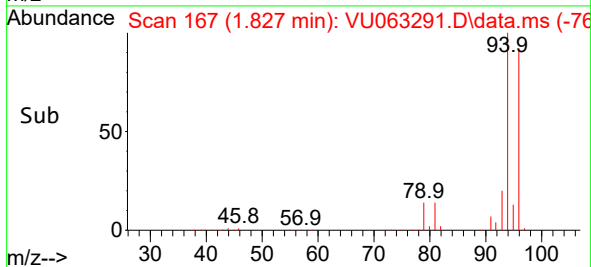
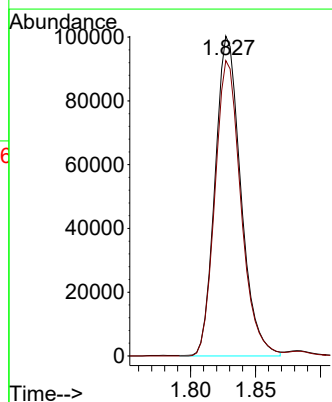
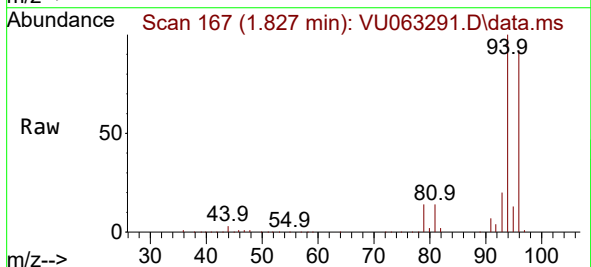
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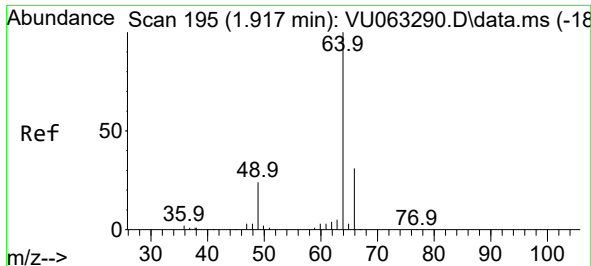
Tgt Ion: 62 Resp: 245137
Ion Ratio Lower Upper
62 100
64 32.5 23.2 43.2



#6
Bromomethane
Concen: 148.02 ug/L
RT: 1.827 min Scan# 167
Delta R.T. -0.006 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 94 Resp: 138187
Ion Ratio Lower Upper
94 100
96 92.3 65.2 121.2

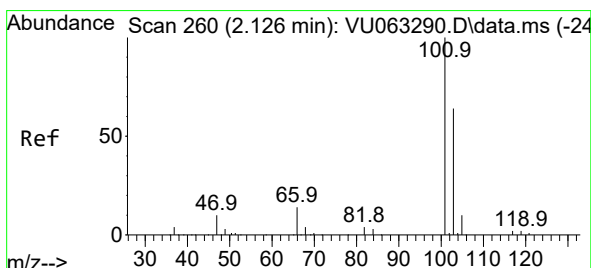
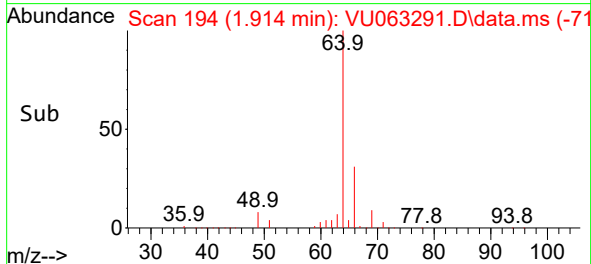
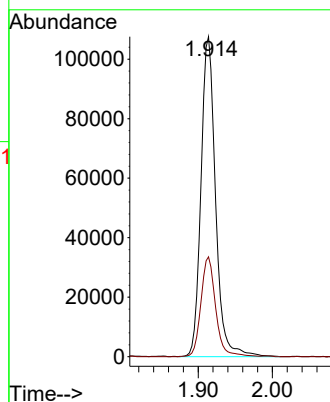
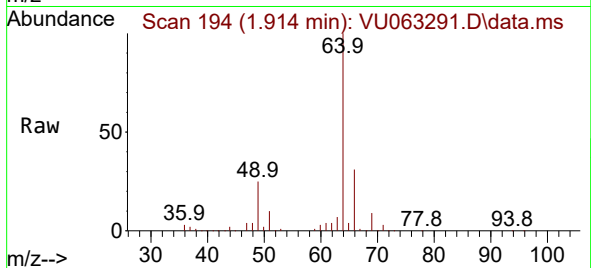




#8
Chloroethane
Concen: 133.57 ug/L
RT: 1.914 min Scan# 194
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

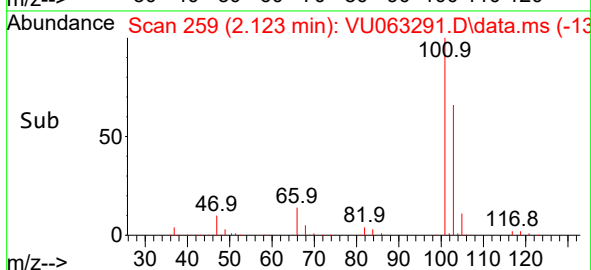
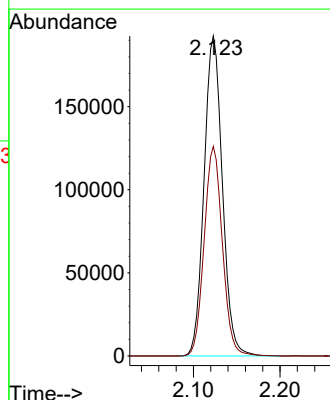
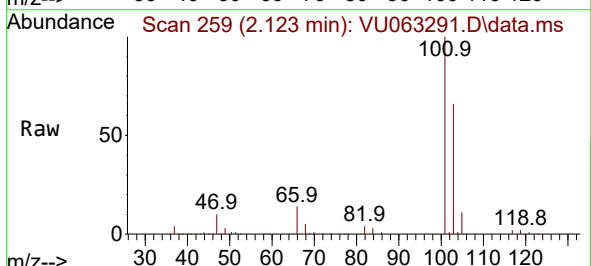
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MSVOA_U
ClientSampleId :
VSTD100030

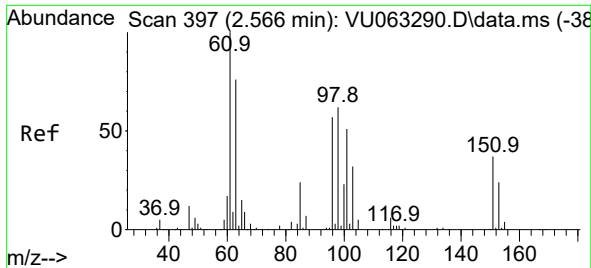
Tgt Ion: 64 Resp: 146901
Ion Ratio Lower Upper
64 100
66 31.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 94.84 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion:101 Resp: 282872
Ion Ratio Lower Upper
101 100
103 65.1 51.2 76.8

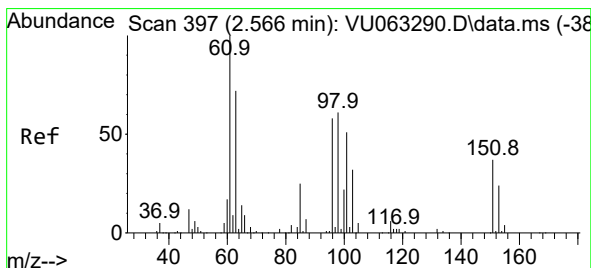
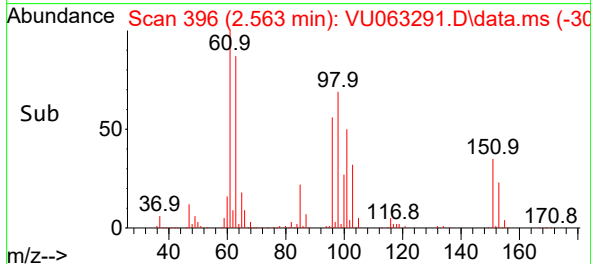
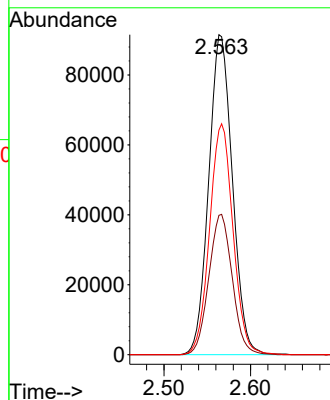
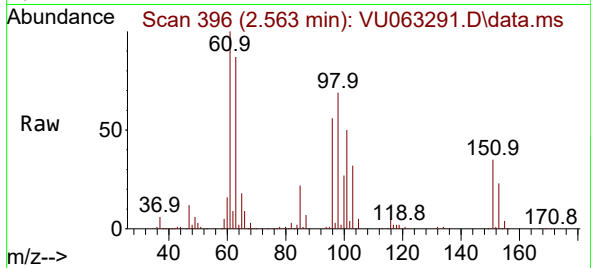




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 84.57 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

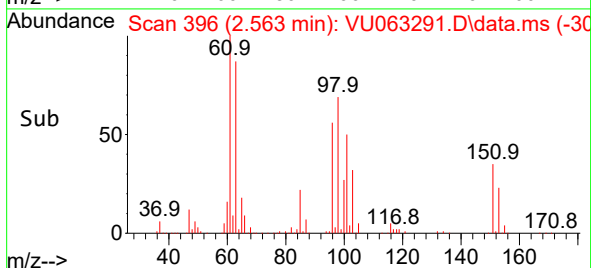
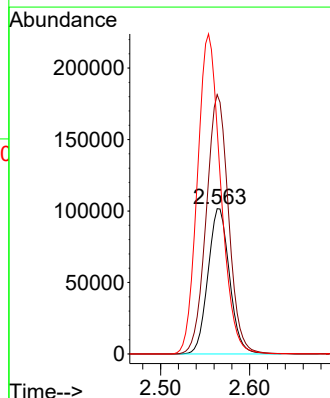
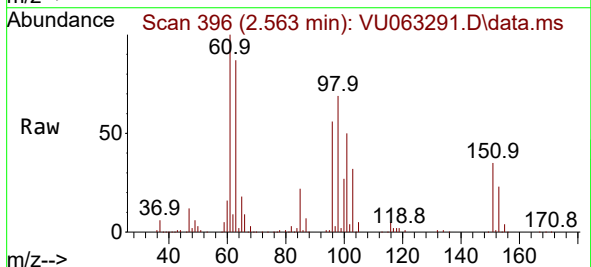
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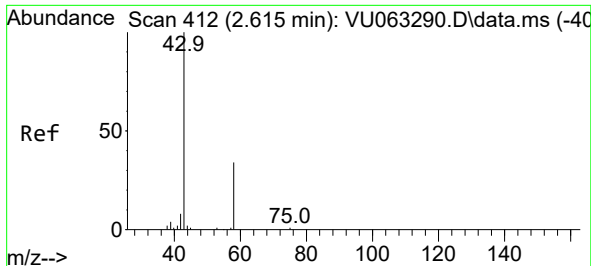
Tgt Ion:101 Resp: 173931
Ion Ratio Lower Upper
101 100
85 43.4 36.5 54.7
151 71.5 57.4 86.0



#12
1,1-Dichloroethene
Concen: 84.26 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 96 Resp: 170398
Ion Ratio Lower Upper
96 100
61 178.5 121.9 226.5
63 154.6 93.2 173.0





#13

Acetone

Concen: 221.74 ug/L

RT: 2.612 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

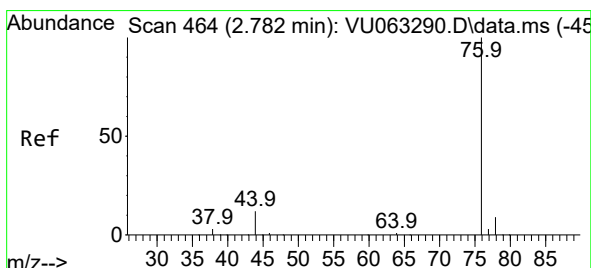
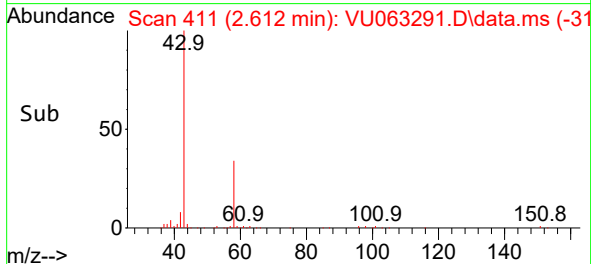
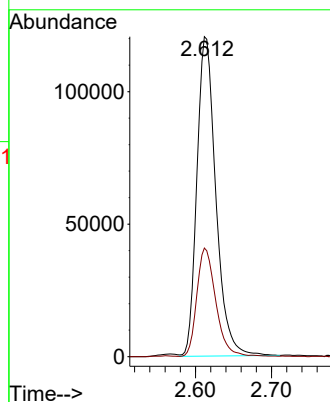
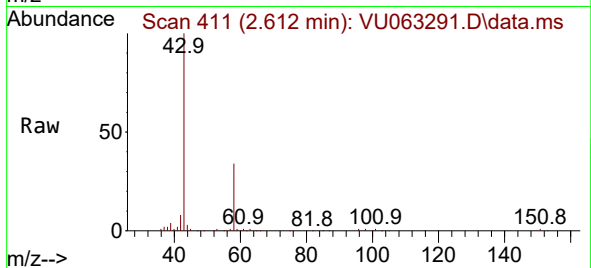
VSTD100030

Tgt Ion: 43 Resp: 208688

Ion Ratio Lower Upper

43 100

58 33.6 0.0 68.4



#14

Carbon disulfide

Concen: 85.25 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063291.D

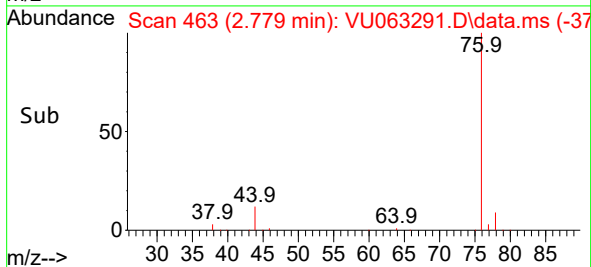
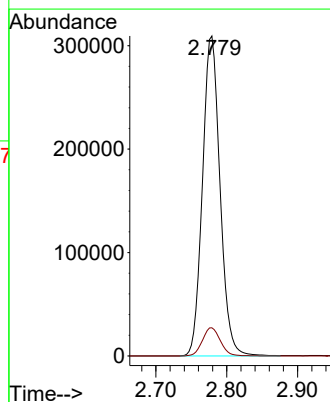
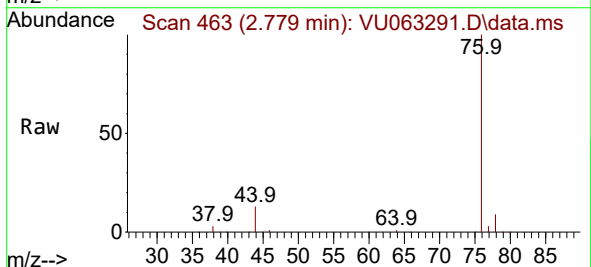
Acq: 17 Mar 2025 12:25

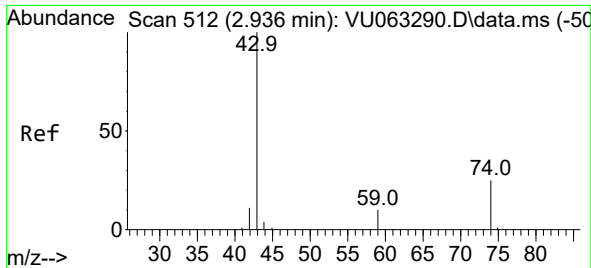
Tgt Ion: 76 Resp: 532478

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

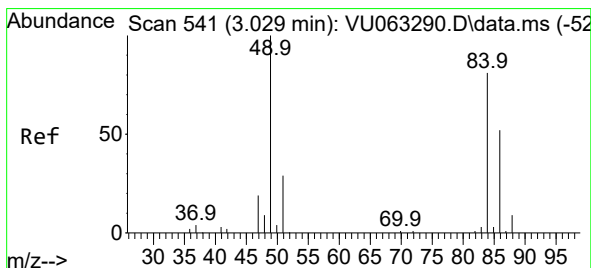
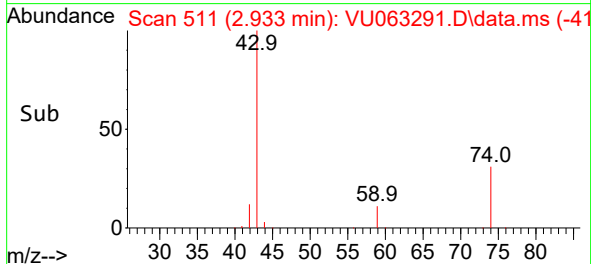
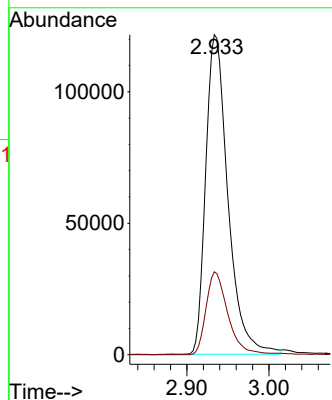
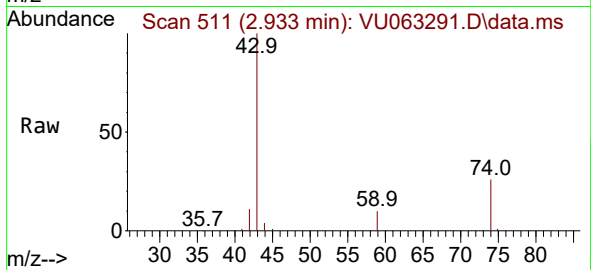




#15
Methyl Acetate
Concen: 103.32 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

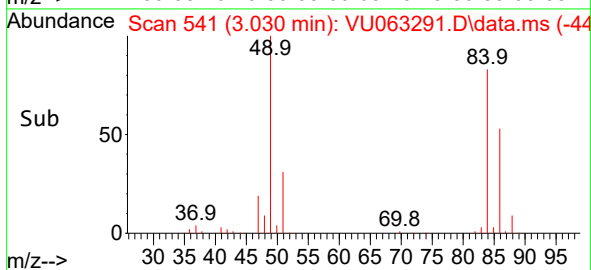
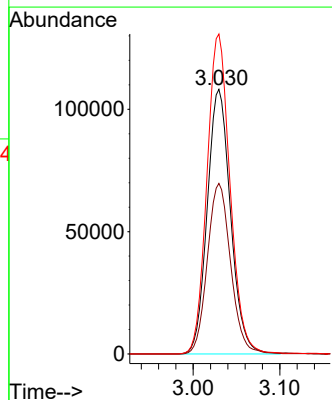
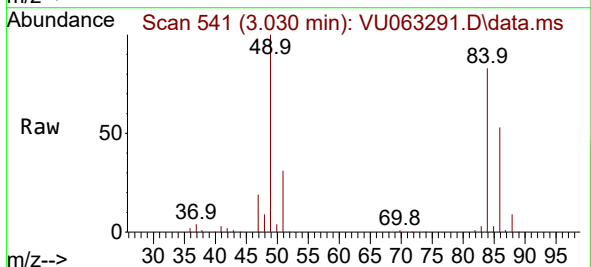
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

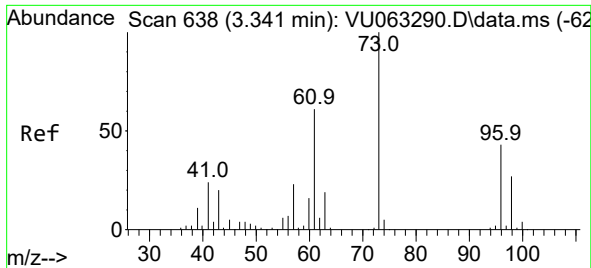
Tgt Ion: 43 Resp: 228947
Ion Ratio Lower Upper
43 100
74 25.3 0.0 0.0#



#16
Methylene chloride
Concen: 86.53 ug/L
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 84 Resp: 202636
Ion Ratio Lower Upper
84 100
86 64.4 44.4 82.5
49 120.9 86.3 160.3

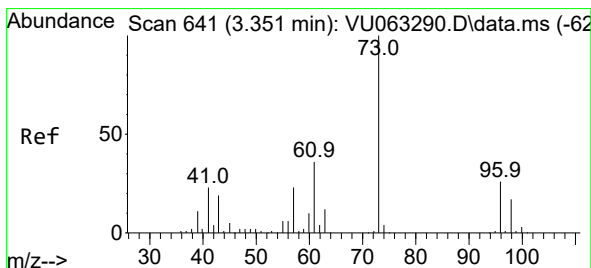
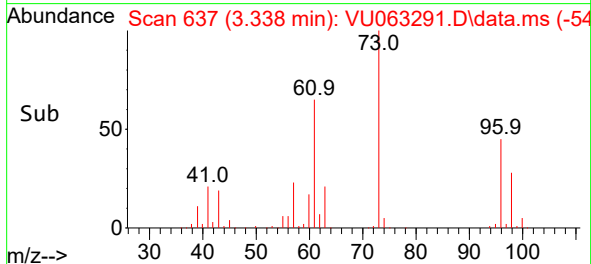
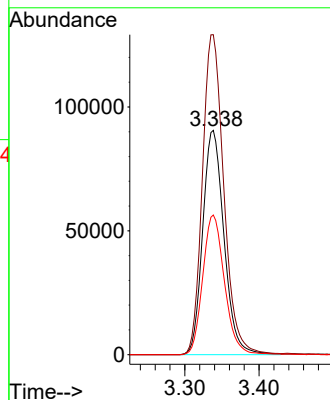
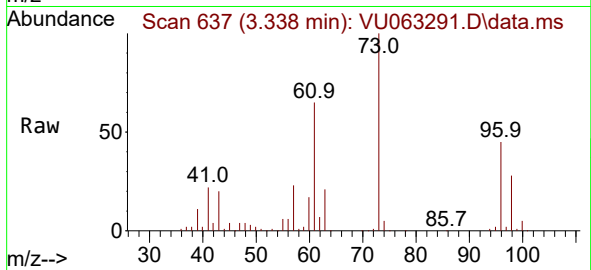




#17
trans-1,2-Dichloroethene
Concen: 87.24 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

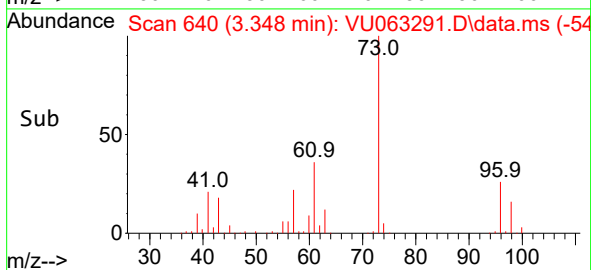
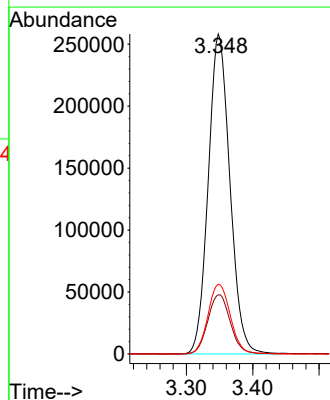
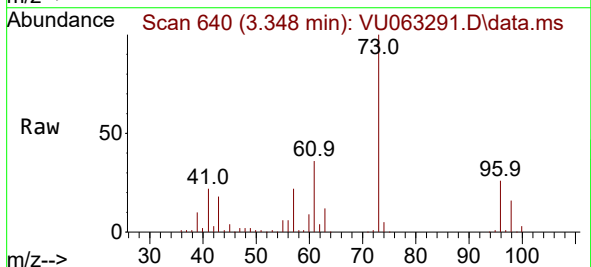
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

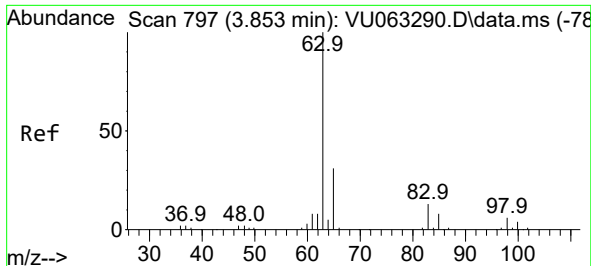
Tgt Ion: 96 Resp: 180487
Ion Ratio Lower Upper
96 100
61 142.7 100.1 185.9
98 62.3 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 91.34 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 73 Resp: 585195
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.2
57 22.6 18.3 27.5





#19

1,1-Dichloroethane

Concen: 93.59 ug/L

RT: 3.850 min Scan# 797

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100030

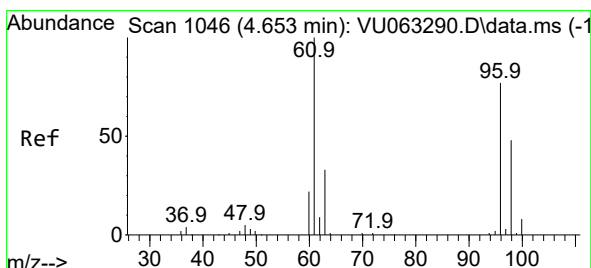
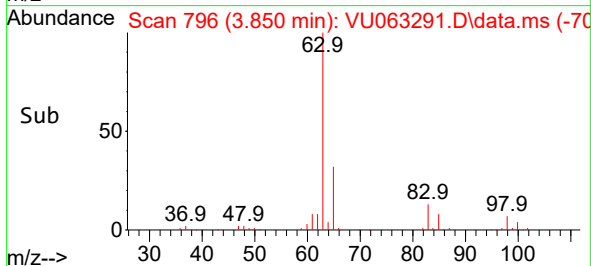
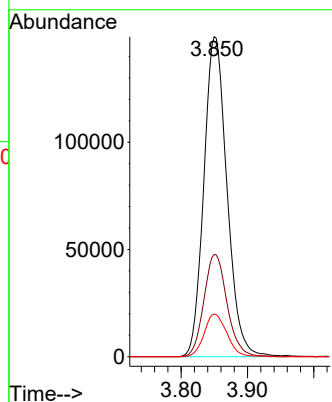
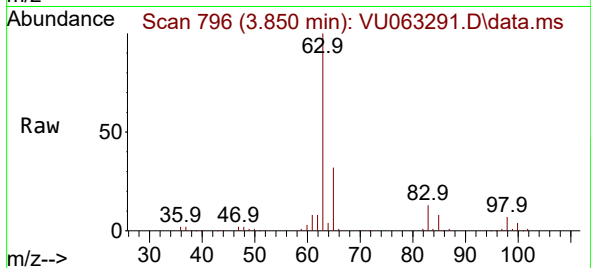
Tgt Ion: 63 Resp: 361320

Ion Ratio Lower Upper

63 100

65 32.0 21.9 40.7

83 13.3 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 88.60 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

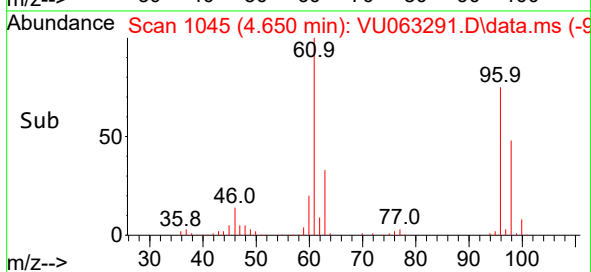
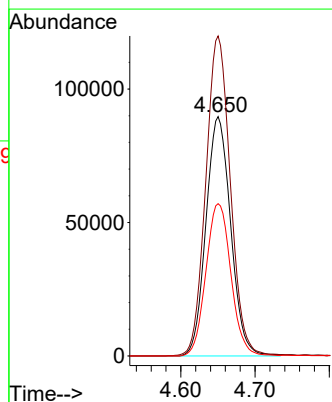
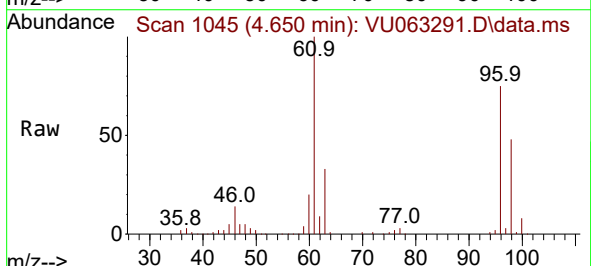
Tgt Ion: 96 Resp: 207822

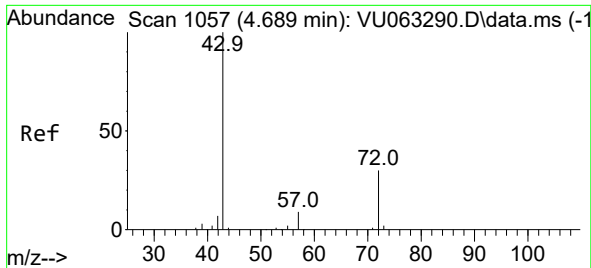
Ion Ratio Lower Upper

96 100

61 133.7 91.6 170.0

98 63.6 44.0 81.8

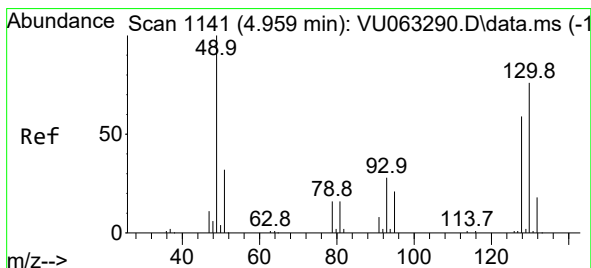
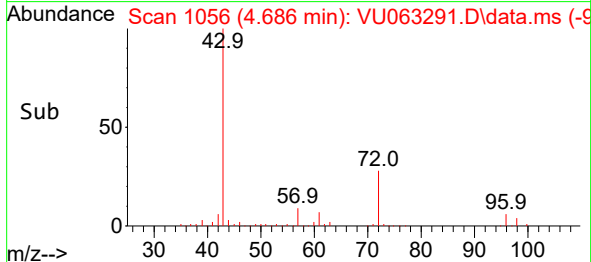
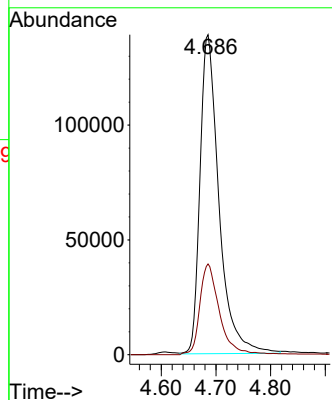
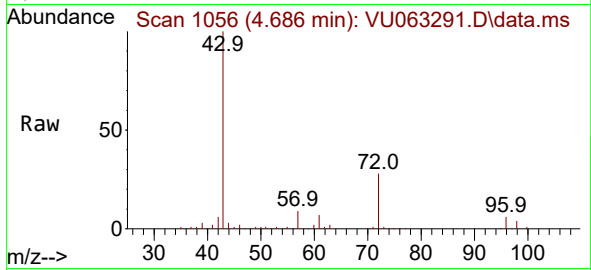




#22
2-Butanone
Concen: 225.02 ug/L
RT: 4.686 min Scan# 1056
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

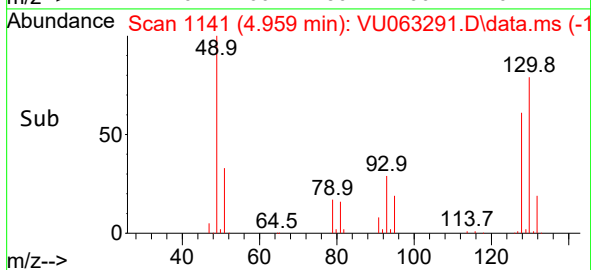
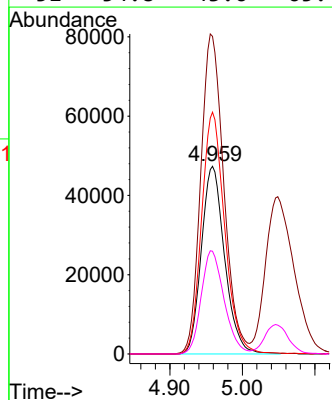
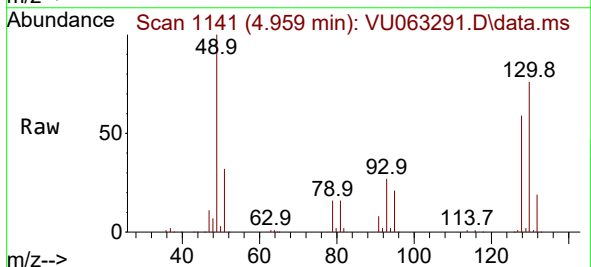
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

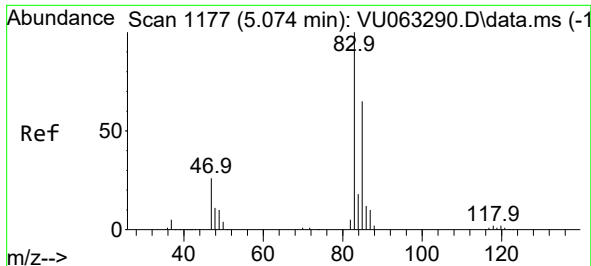
Tgt Ion: 43 Resp: 333820
Ion Ratio Lower Upper
43 100
72 28.8 15.4 46.4



#23
Bromochloromethane
Concen: 88.14 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion:128 Resp: 105219
Ion Ratio Lower Upper
128 100
49 169.3 118.2 219.6
130 128.9 89.2 165.8
51 54.8 43.6 65.4

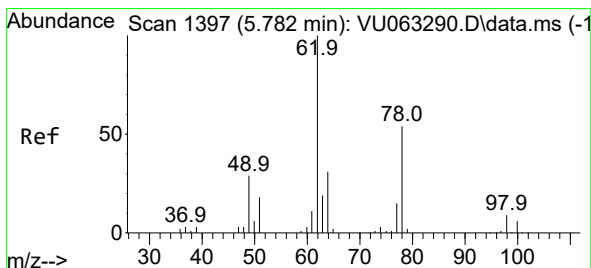
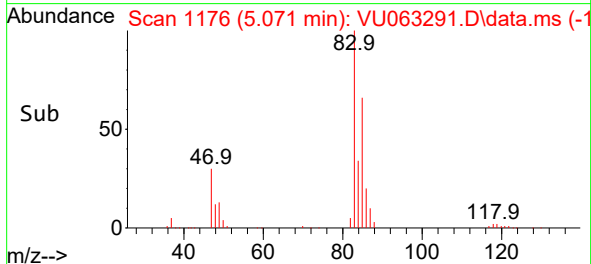
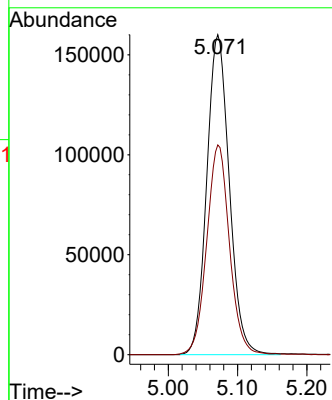
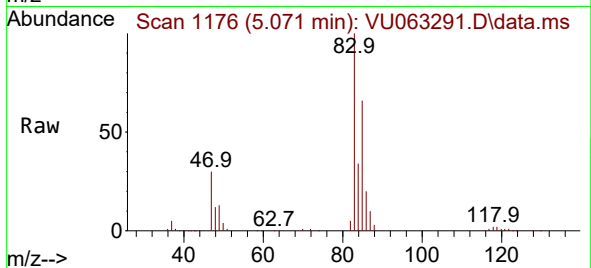




#25
Chloroform
Concen: 92.15 ug/L
RT: 5.071 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

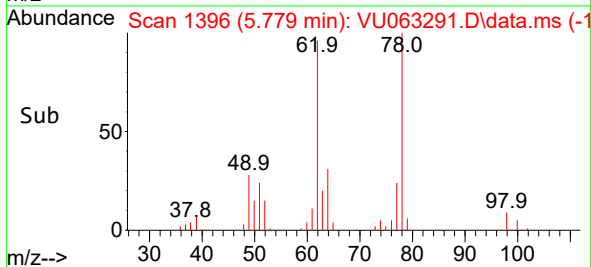
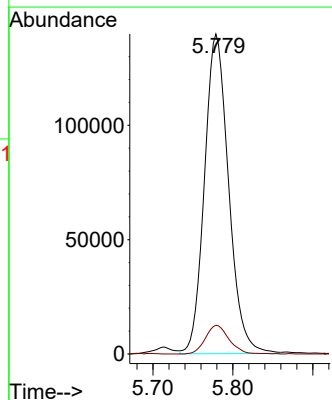
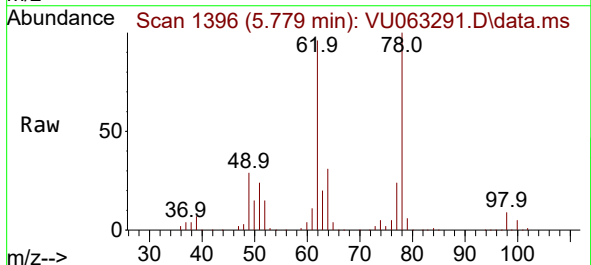
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

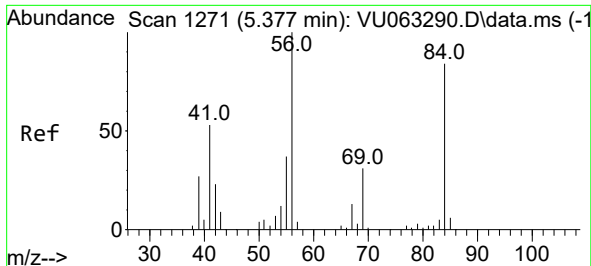
Tgt Ion: 83 Resp: 361249
Ion Ratio Lower Upper
83 100
85 65.6 45.9 85.3



#27
1,2-Dichloroethane
Concen: 100.98 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 62 Resp: 293944
Ion Ratio Lower Upper
62 100
98 9.0 7.5 11.3





#29

Cyclohexane

Concen: 88.70 ug/L

RT: 5.374 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100030

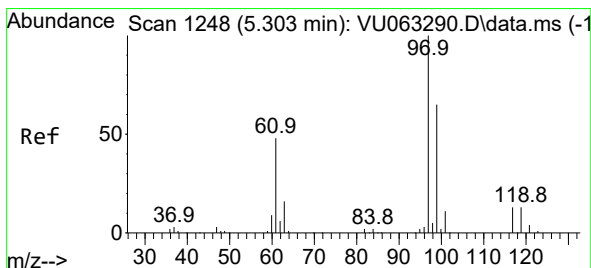
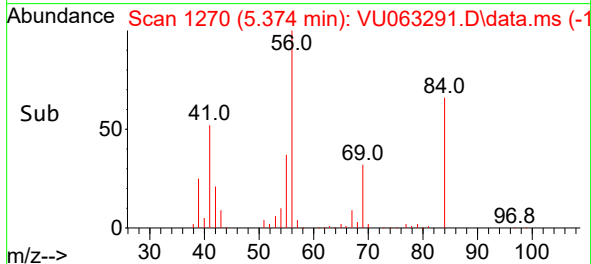
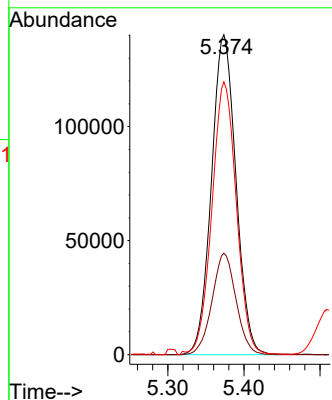
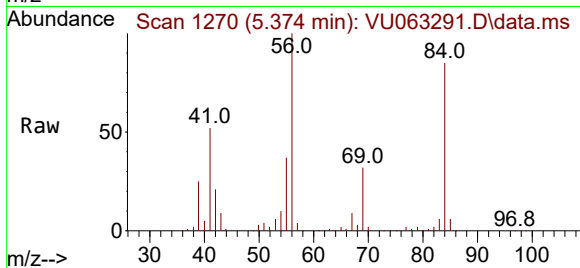
Tgt Ion: 56 Resp: 314250

Ion Ratio Lower Upper

56 100

69 31.0 24.2 36.4

84 84.1 67.2 100.8



#30

1,1,1-Trichloroethane

Concen: 87.82 ug/L

RT: 5.300 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

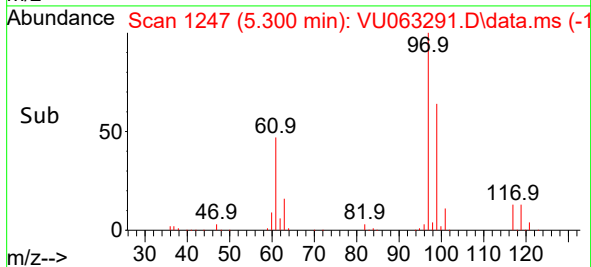
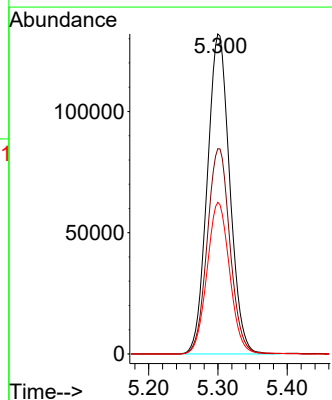
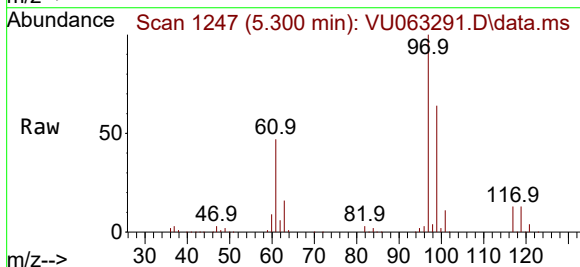
Tgt Ion: 97 Resp: 296800

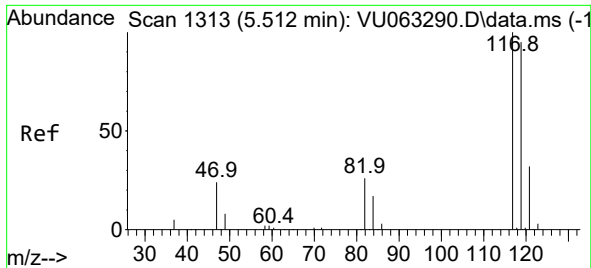
Ion Ratio Lower Upper

97 100

99 64.9 52.1 78.1

61 47.7 38.6 57.8

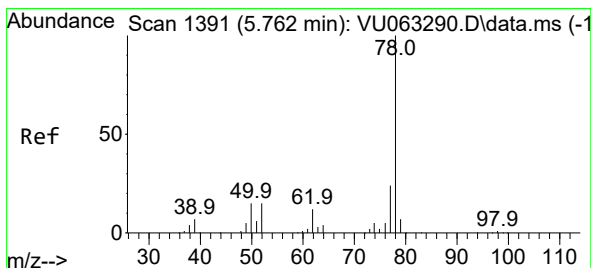
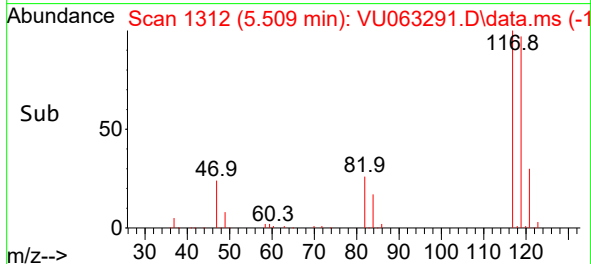
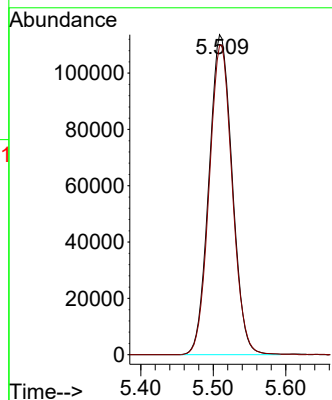
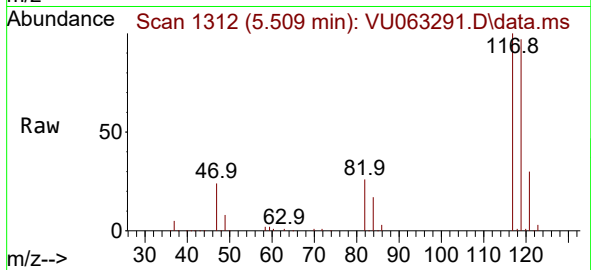




#31
Carbon tetrachloride
Concen: 87.46 ug/L
RT: 5.509 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

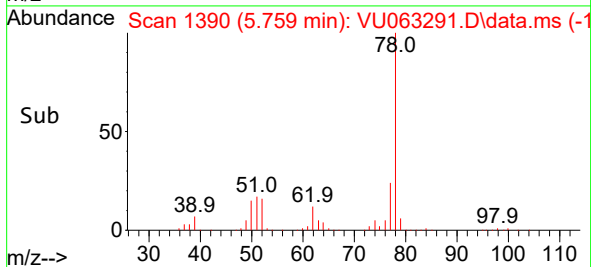
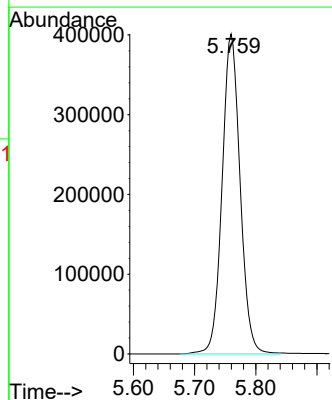
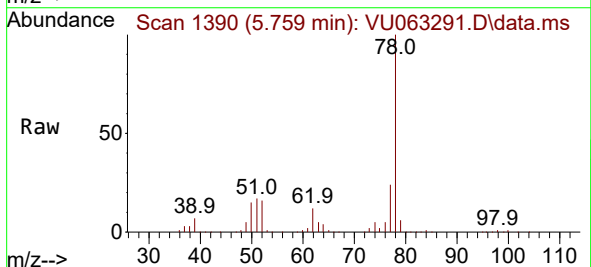
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

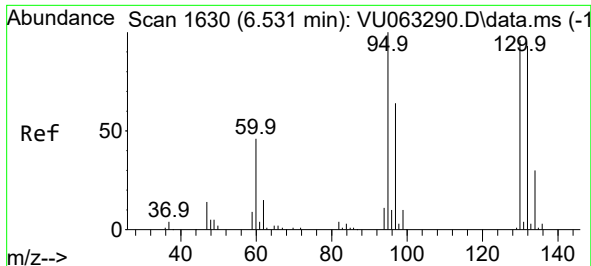
Tgt Ion:117 Resp: 253486
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5



#33
Benzene
Concen: 91.80 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 78 Resp: 820874

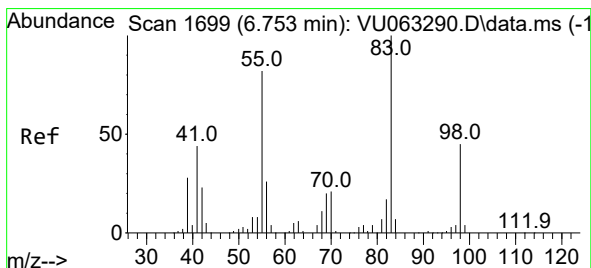
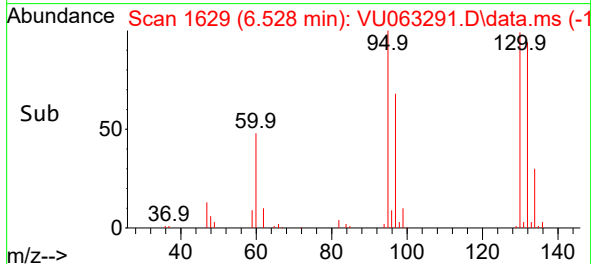
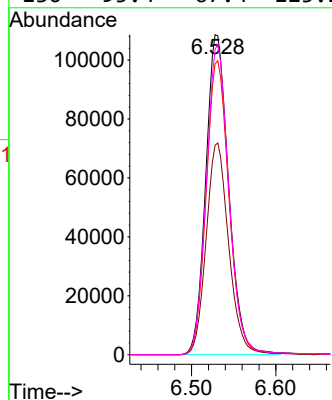
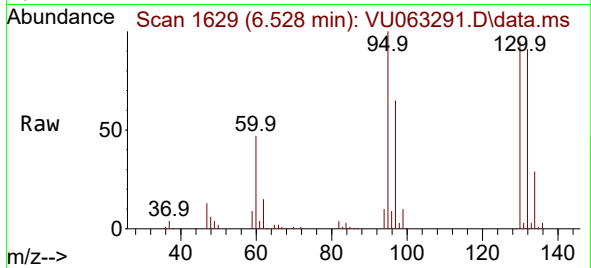




#34
Trichloroethene
Concen: 85.28 ug/L
RT: 6.528 min Scan# 1629
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

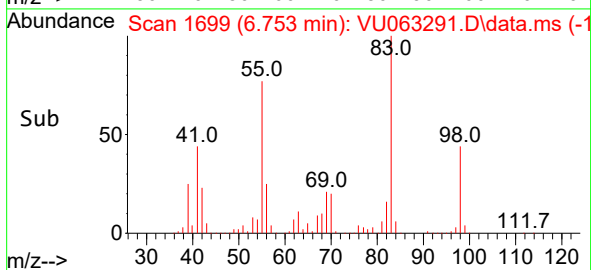
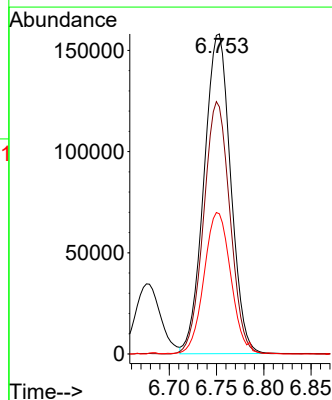
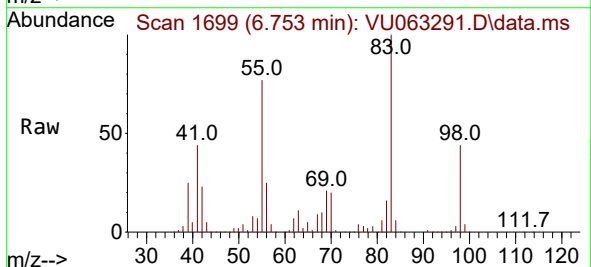
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

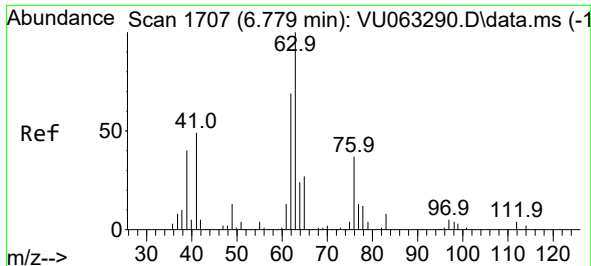
Tgt Ion: 95 Resp: 205594
Ion Ratio Lower Upper
95 100
97 65.4 44.6 82.8
132 90.9 65.3 121.3
130 95.4 67.4 125.2



#35
Methylcyclohexane
Concen: 84.95 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 83 Resp: 309915
Ion Ratio Lower Upper
83 100
55 77.9 63.4 95.2
98 44.6 35.2 52.8





#37

1,2-Dichloropropane

Concen: 91.06 ug/L

RT: 6.776 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

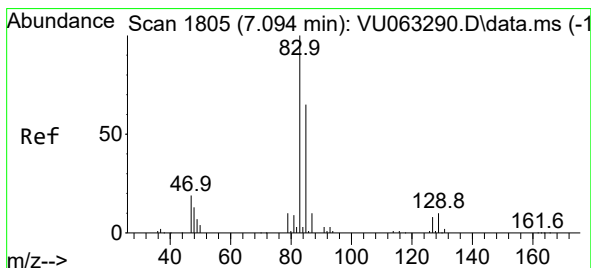
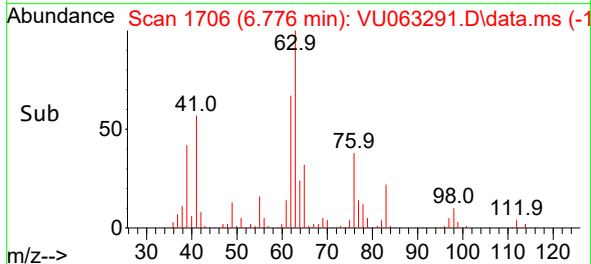
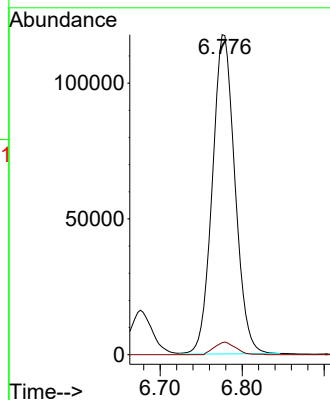
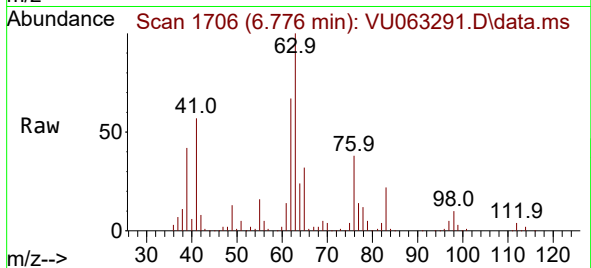
VSTD100030

Tgt Ion: 63 Resp: 225702

Ion Ratio Lower Upper

63 100

112 3.7 2.9 4.3



#38

Bromodichloromethane

Concen: 92.80 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

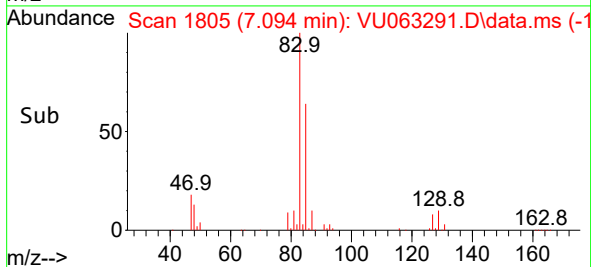
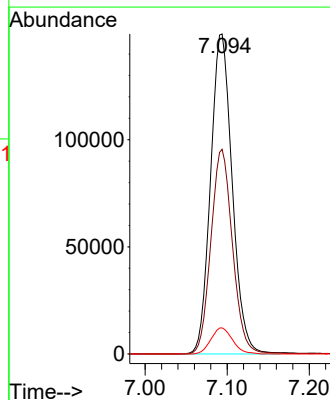
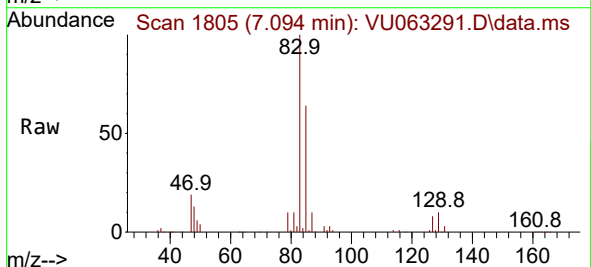
Tgt Ion: 83 Resp: 274498

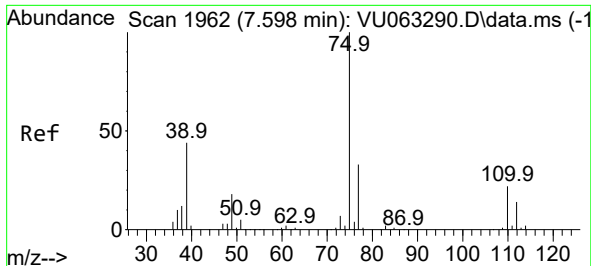
Ion Ratio Lower Upper

83 100

85 64.0 45.3 84.1

127 8.2 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 94.52 ug/L

RT: 7.595 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

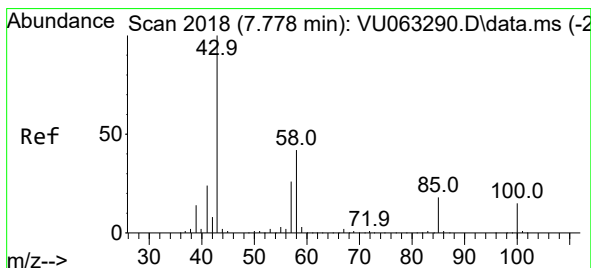
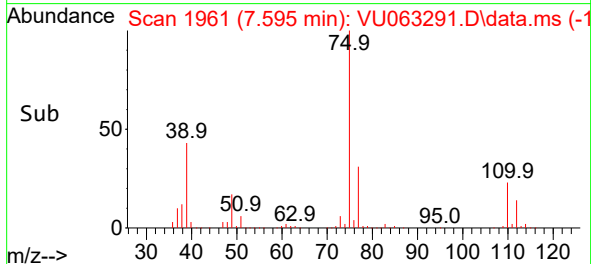
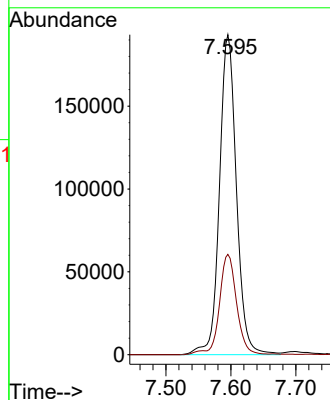
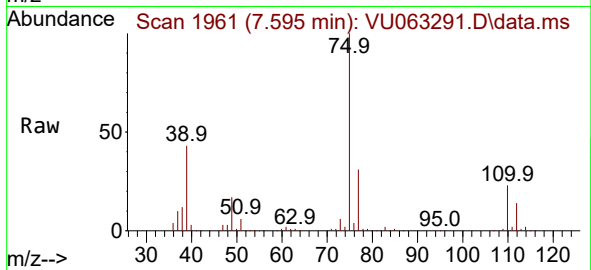
VSTD100030

Tgt Ion: 75 Resp: 349004

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 207.82 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

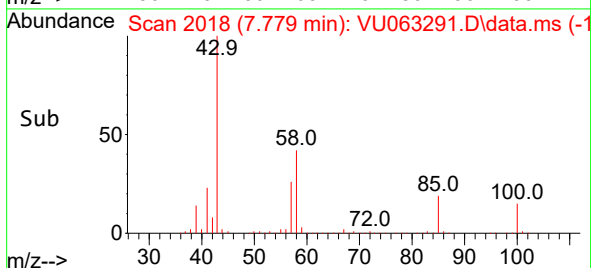
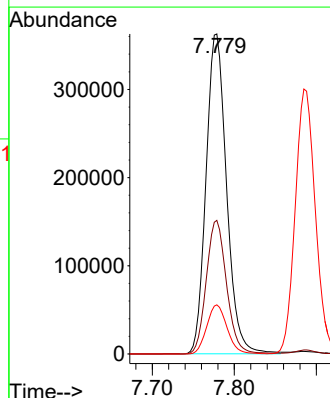
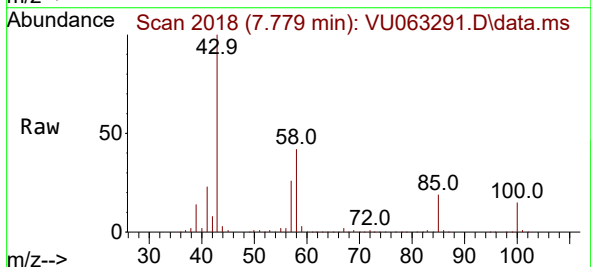
Tgt Ion: 43 Resp: 630996

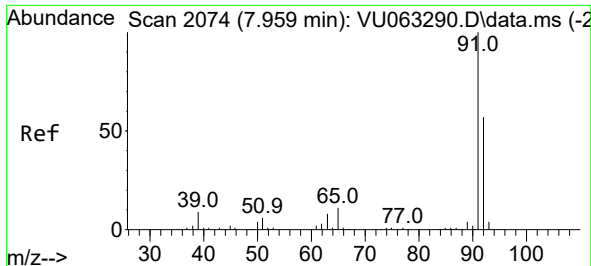
Ion Ratio Lower Upper

43 100

58 41.3 33.0 49.6

100 15.2 11.9 17.9





#42

Toluene

Concen: 91.72 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

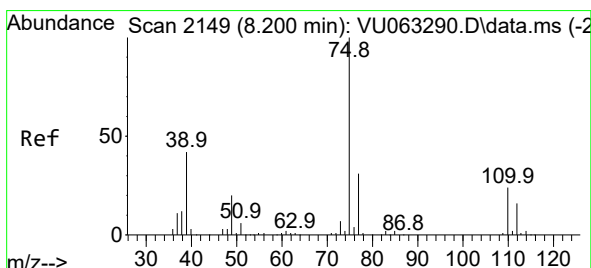
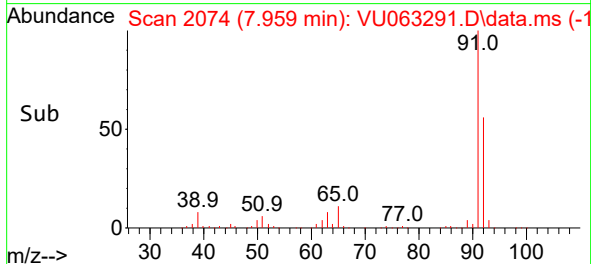
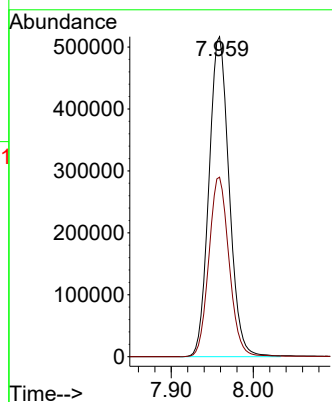
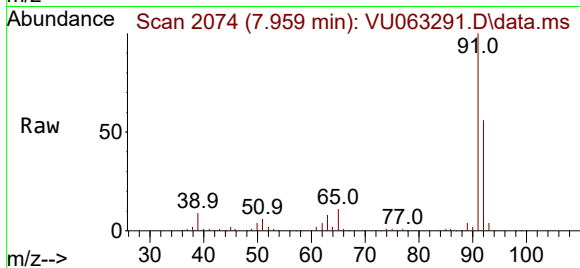
VSTD100030

Tgt Ion: 91 Resp: 881653

Ion Ratio Lower Upper

91 100

92 56.1 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 95.20 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063291.D

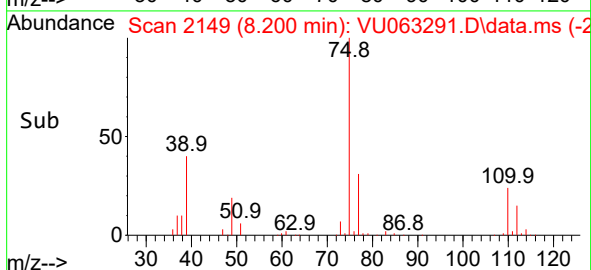
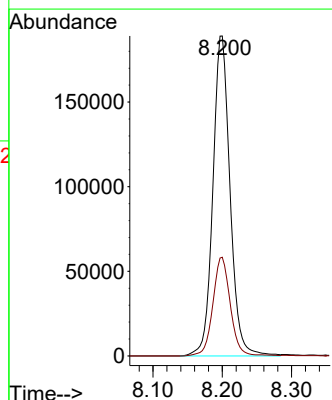
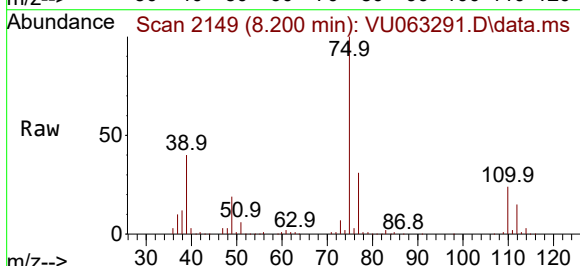
Acq: 17 Mar 2025 12:25

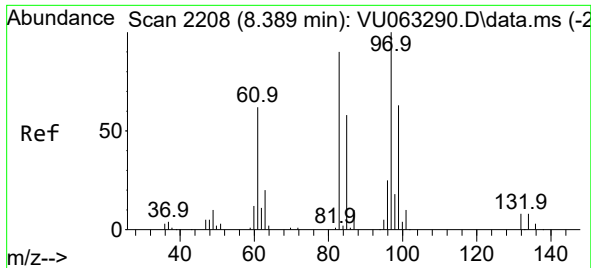
Tgt Ion: 75 Resp: 325877

Ion Ratio Lower Upper

75 100

77 30.8 21.7 40.3



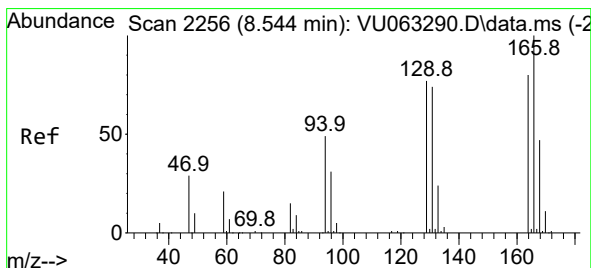
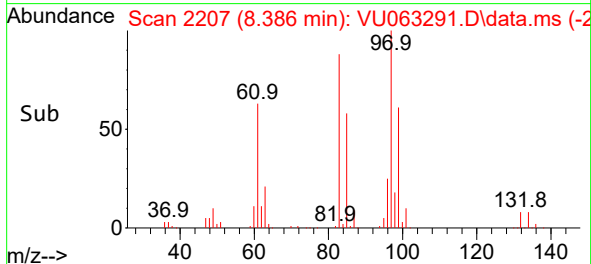
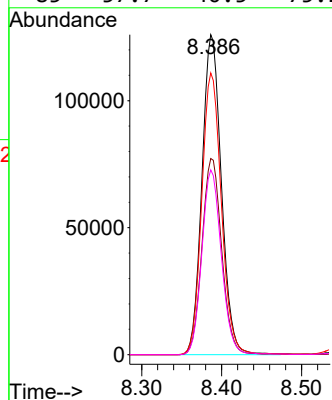
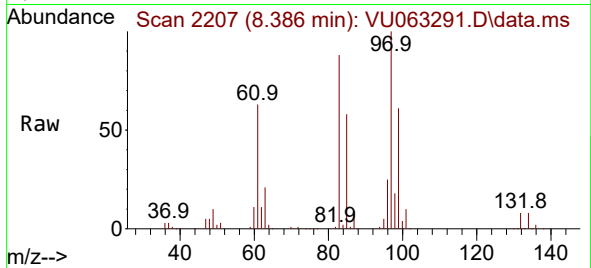


#45
1,1,2-Trichloroethane
Concen: 89.32 ug/L
RT: 8.386 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

Tgt Ion: 97 Resp: 213237

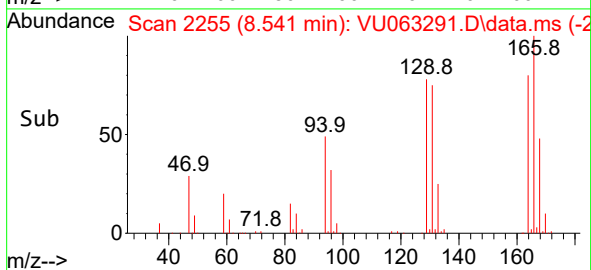
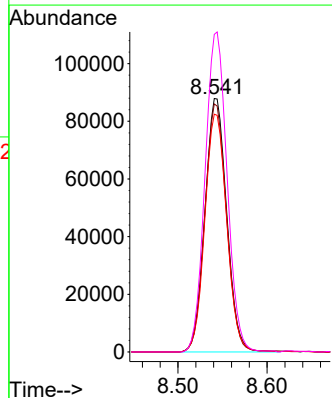
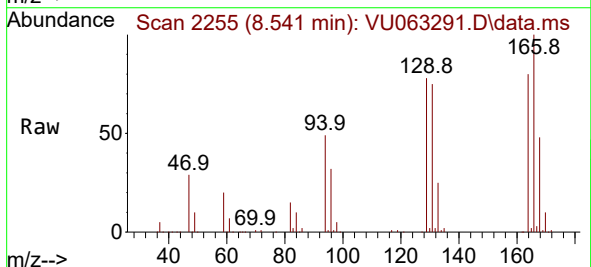
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.4	82.4
83	88.1	63.3	117.5
85	57.7	40.5	75.1

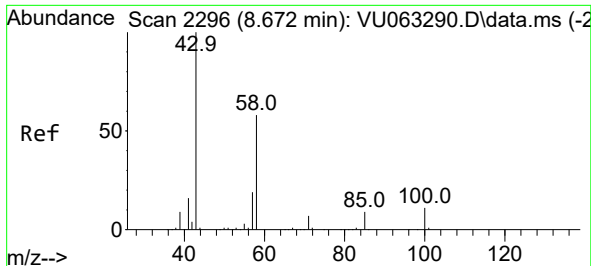


#46
Tetrachloroethene
Concen: 87.15 ug/L
RT: 8.541 min Scan# 2255
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 164 Resp: 149303

Ion	Ratio	Lower	Upper
164	100		
129	97.9	67.8	125.8
131	93.8	64.3	119.5
166	125.3	87.6	162.6

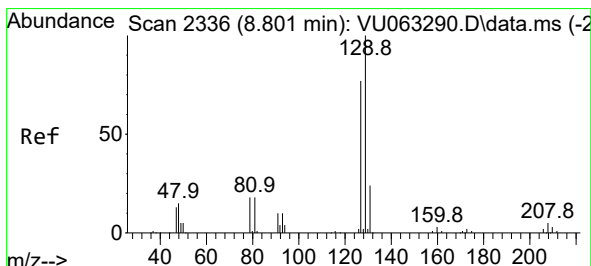
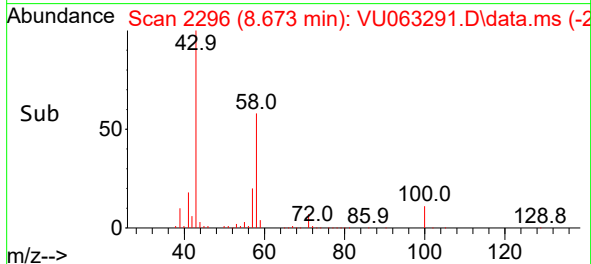
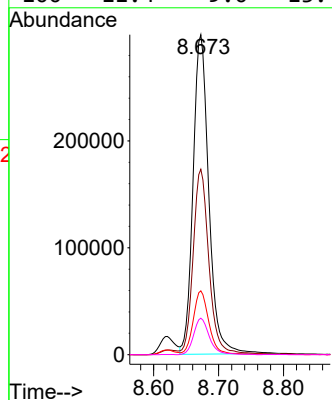
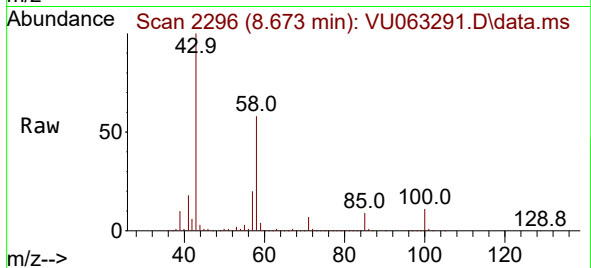




#48
2-Hexanone
Concen: 216.25 ug/L
RT: 8.673 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

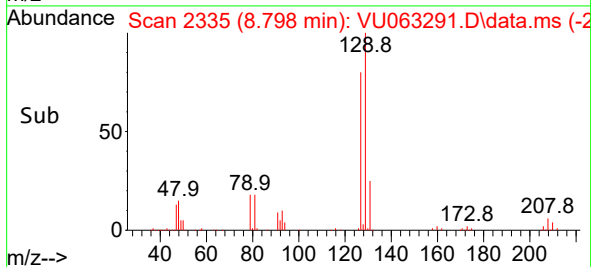
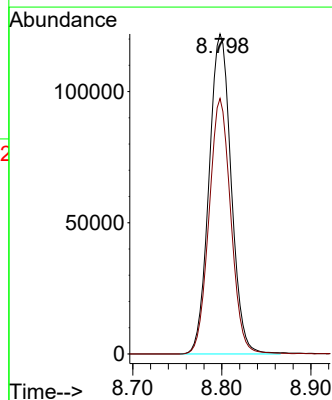
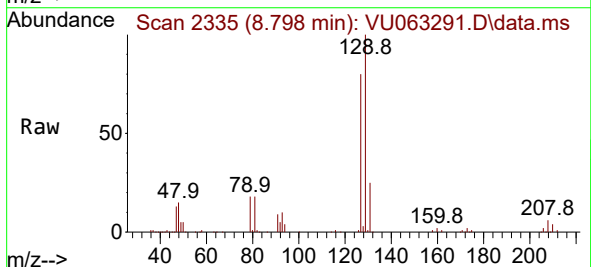
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

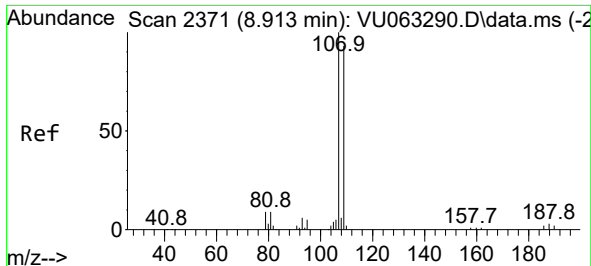
Tgt Ion: 43 Resp: 505423
Ion Ratio Lower Upper
43 100
58 57.6 46.6 69.8
57 19.0 15.8 23.6
100 11.4 9.0 13.4



#49
Dibromochloromethane
Concen: 87.84 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 129 Resp: 210990
Ion Ratio Lower Upper
129 100
127 79.9 54.0 100.4

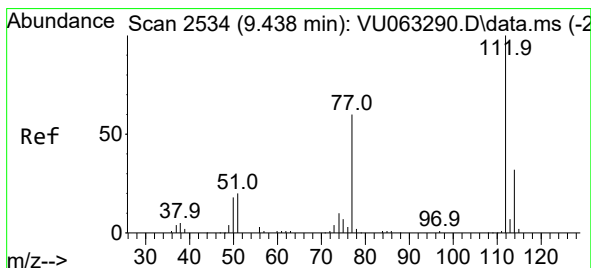
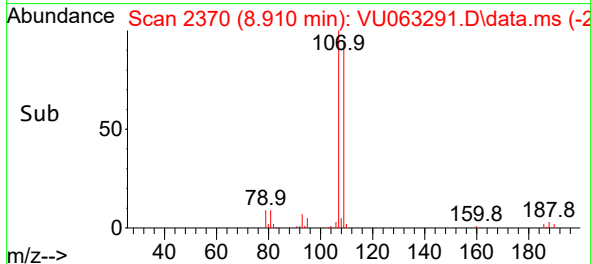
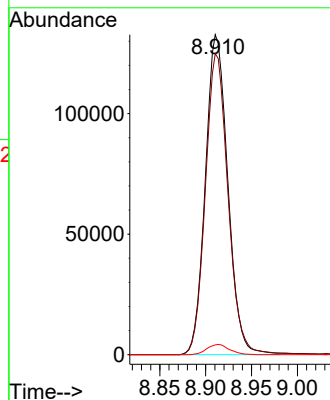
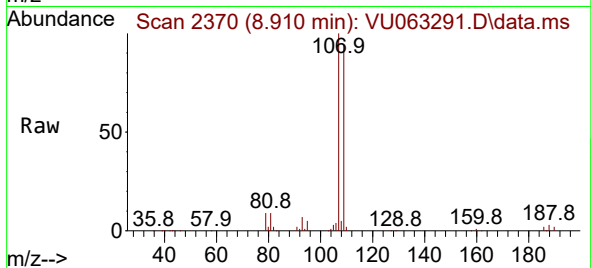




#50
1,2-Dibromoethane
Concen: 88.67 ug/L
RT: 8.910 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

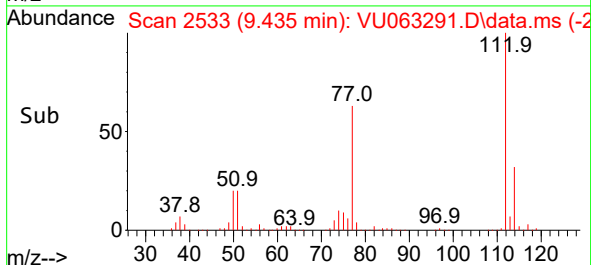
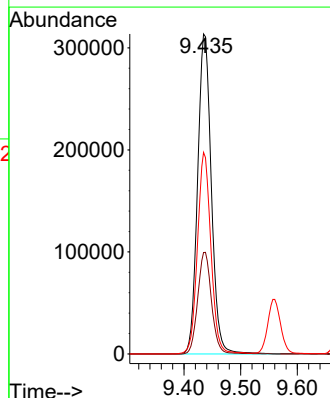
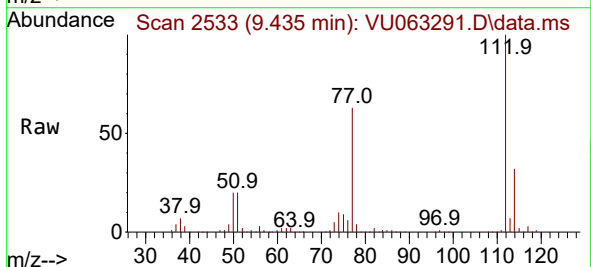
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

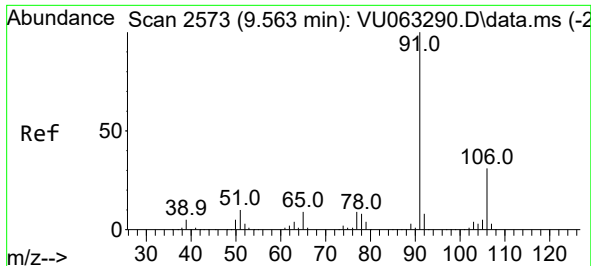
Tgt Ion:107 Resp: 226474
Ion Ratio Lower Upper
107 100
109 94.1 65.2 121.0
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 88.11 ug/L
RT: 9.435 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion:112 Resp: 526966
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 63.0 48.7 73.1

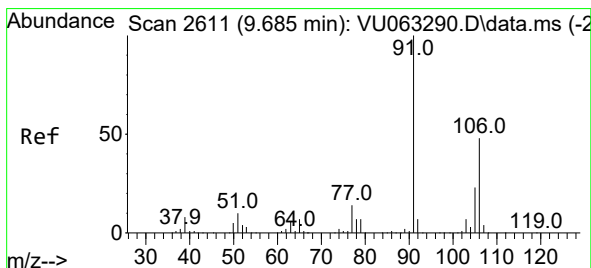
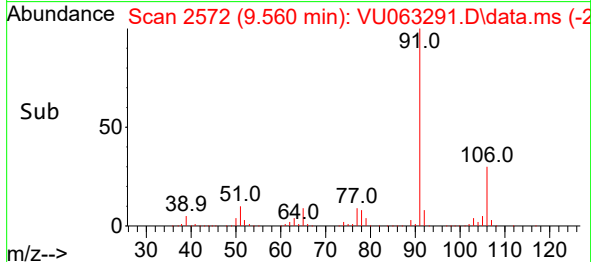
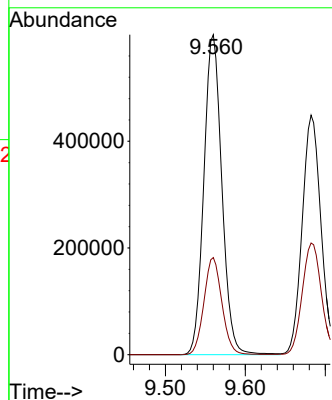
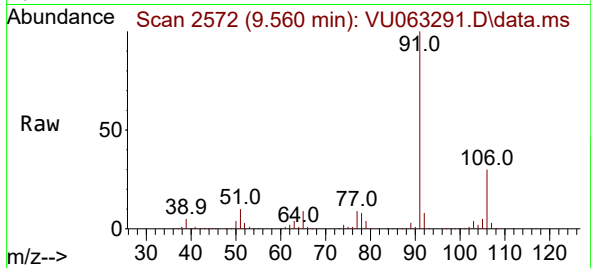




#52
Ethylbenzene
Concen: 90.98 ug/L
RT: 9.560 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

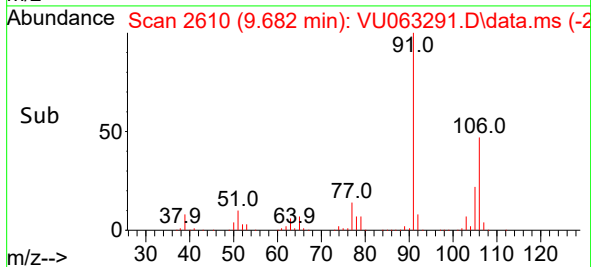
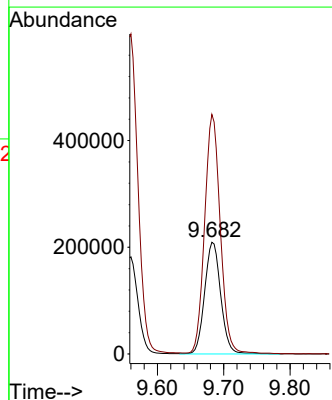
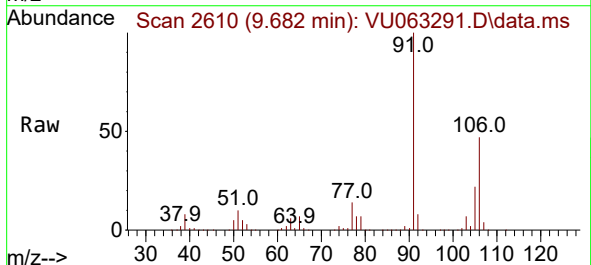
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

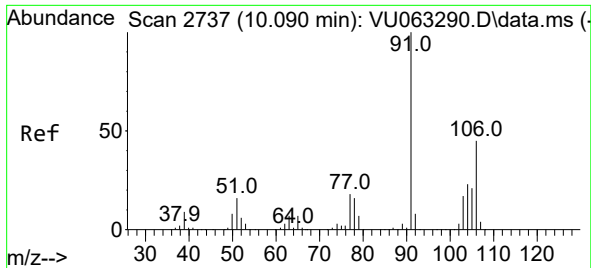
Tgt Ion: 91 Resp: 941571
Ion Ratio Lower Upper
91 100
106 30.4 21.5 39.9



#53
m,p-Xylene
Concen: 91.82 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion: 106 Resp: 353805
Ion Ratio Lower Upper
106 100
91 214.3 147.3 273.6

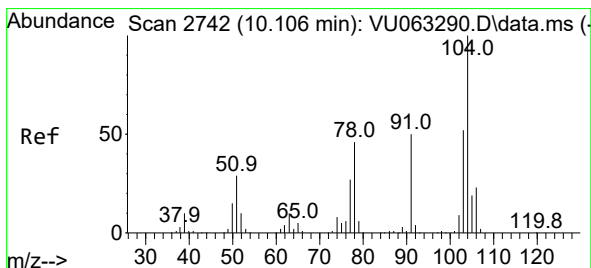
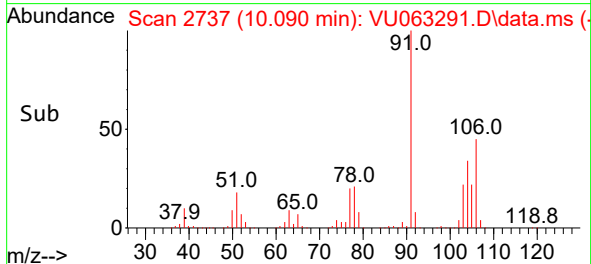
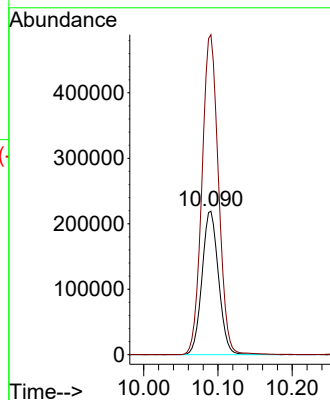
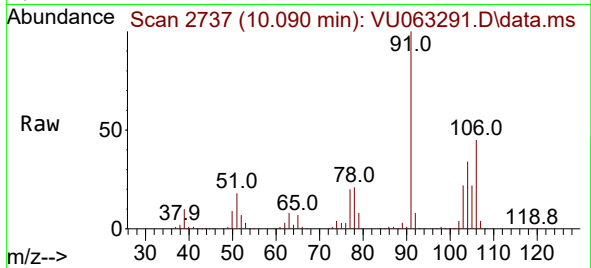




#54
o-Xylene
Concen: 87.65 ug/L
RT: 10.090 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

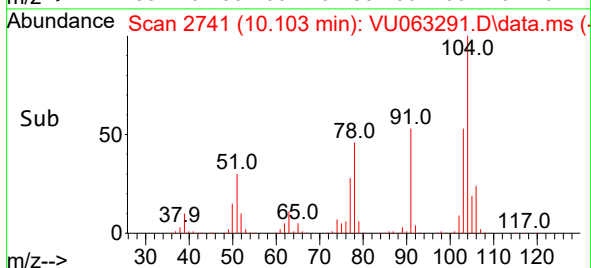
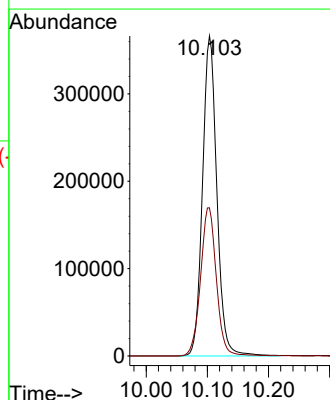
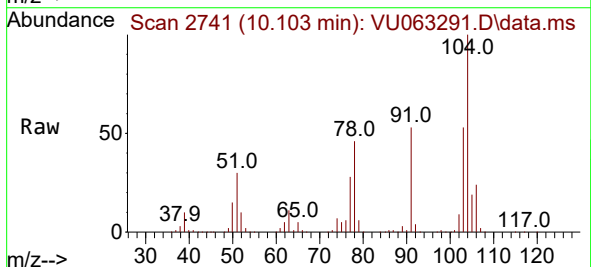
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

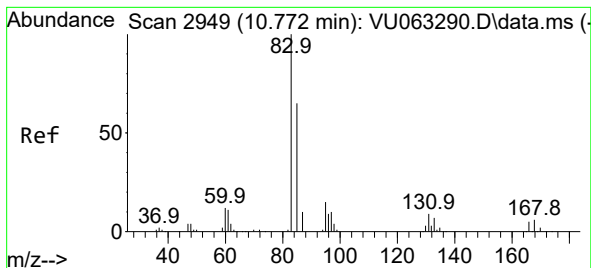
Tgt Ion:106 Resp: 339030
Ion Ratio Lower Upper
106 100
91 223.0 156.7 291.1



#55
Styrene
Concen: 90.58 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion:104 Resp: 596734
Ion Ratio Lower Upper
104 100
78 46.3 32.4 60.2





#57

1,1,2-Tetrachloroethane

Concen: 91.12 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100030

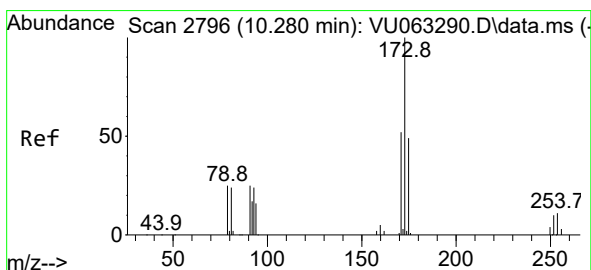
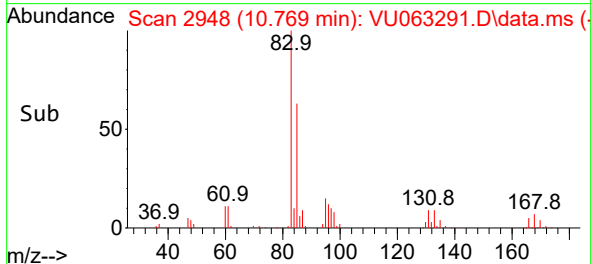
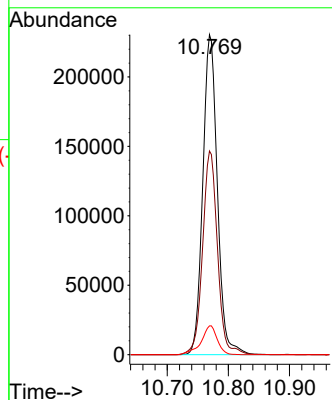
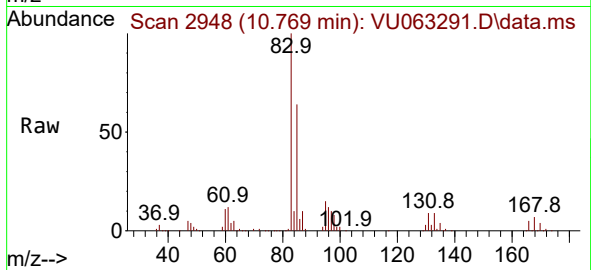
Tgt Ion: 83 Resp: 380984

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.8

131 9.0 7.1 10.7



#59

Bromoform

Concen: 87.80 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

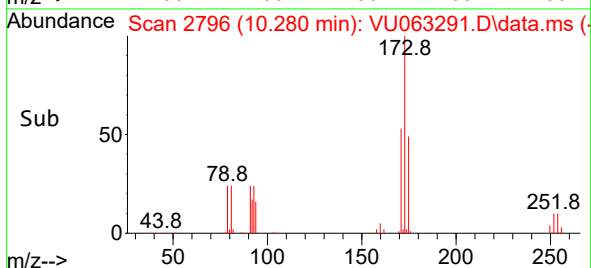
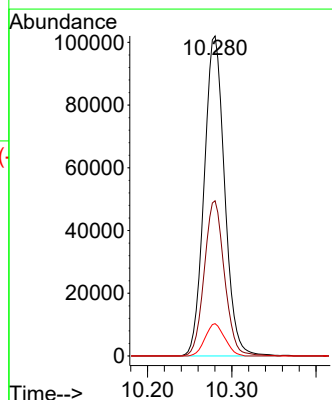
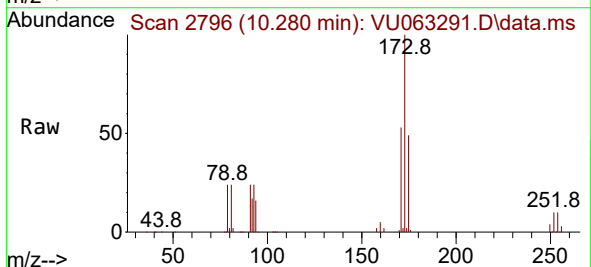
Tgt Ion:173 Resp: 172550

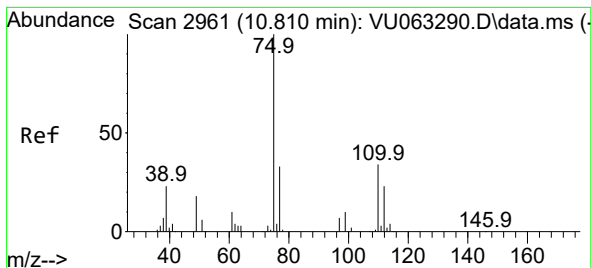
Ion Ratio Lower Upper

173 100

175 47.8 38.6 57.8

254 9.7 7.8 11.6





#60

1,2,3-Trichloropropane

Concen: 92.39 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100030

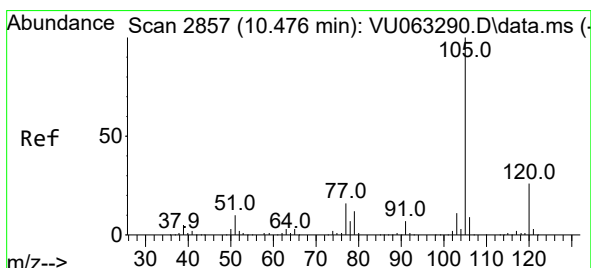
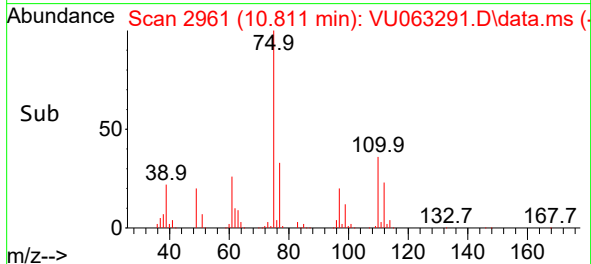
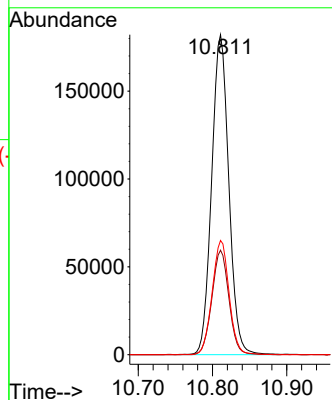
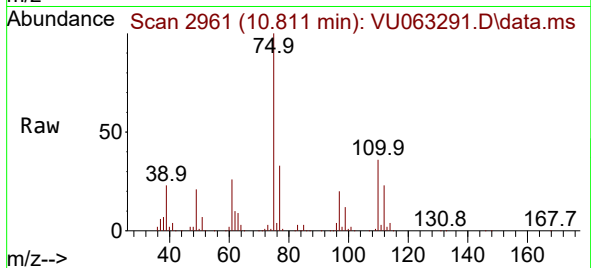
Tgt Ion: 75 Resp: 292023

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9

110 35.2 27.8 41.8



#61

Isopropylbenzene

Concen: 89.49 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

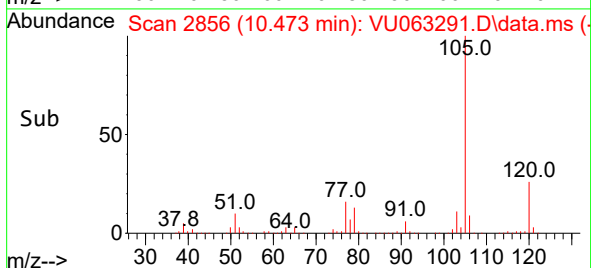
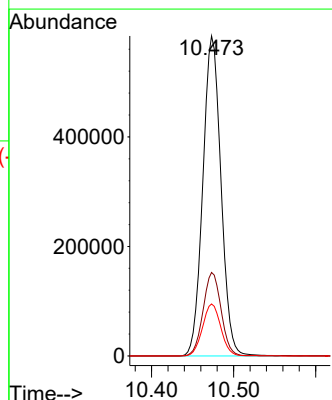
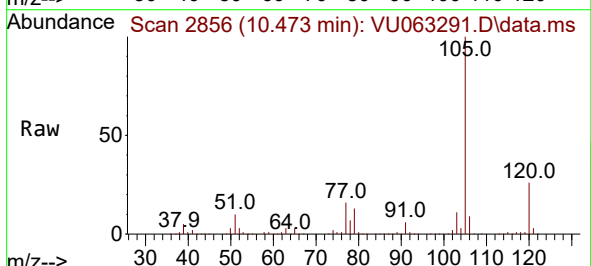
Tgt Ion: 105 Resp: 897861

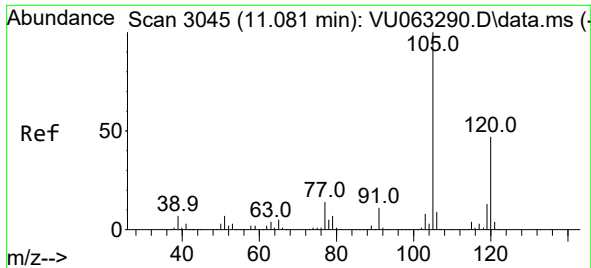
Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 16.4 13.0 19.4

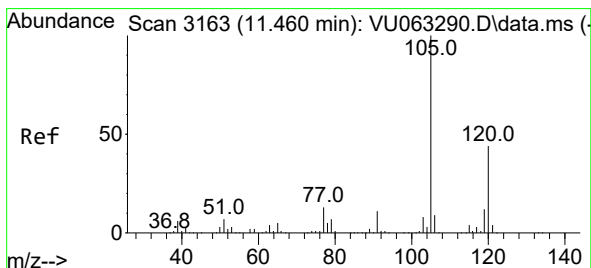
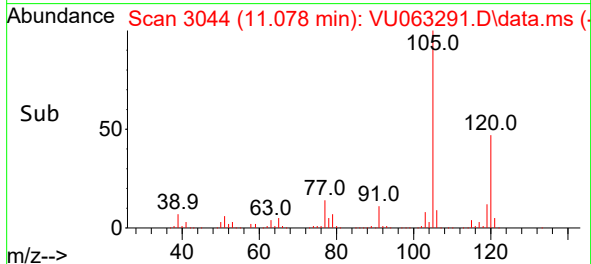
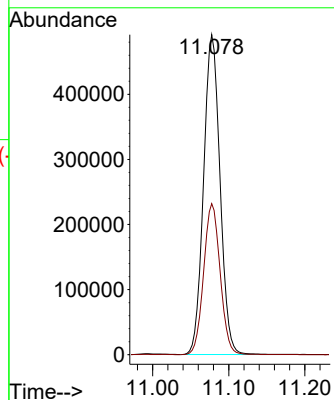
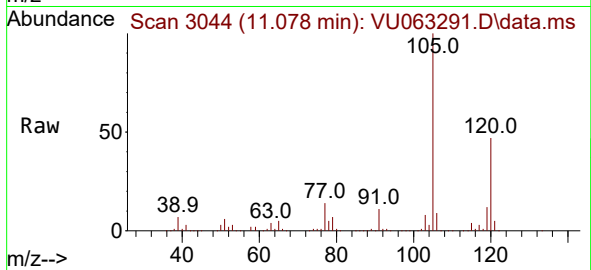




#62
1,3,5-Trimethylbenzene
Concen: 90.50 ug/L
RT: 11.078 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

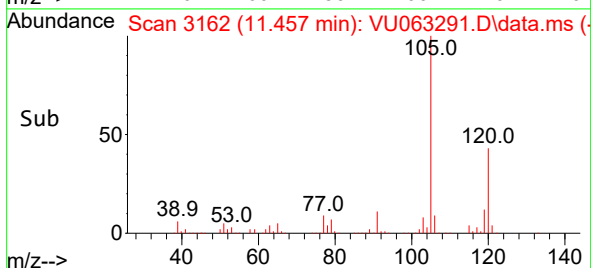
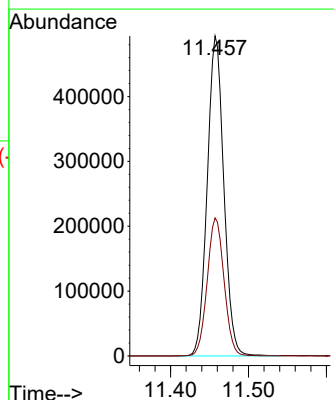
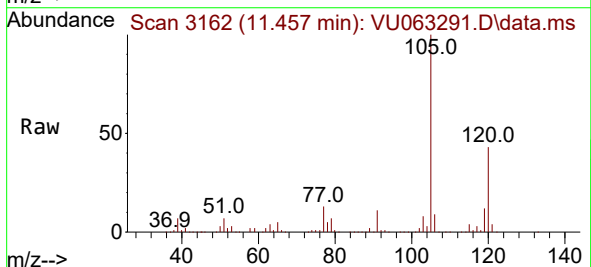
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

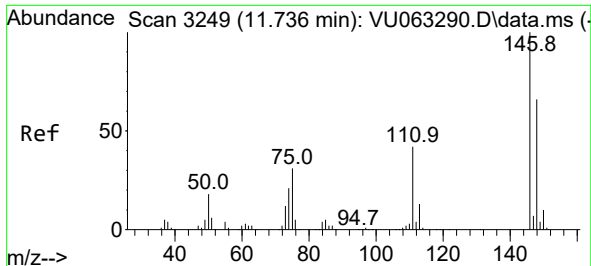
Tgt Ion:105 Resp: 739405
Ion Ratio Lower Upper
105 100
120 47.3 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 90.30 ug/L
RT: 11.457 min Scan# 3162
Delta R.T. -0.003 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion:105 Resp: 729491
Ion Ratio Lower Upper
105 100
120 44.0 35.4 53.2

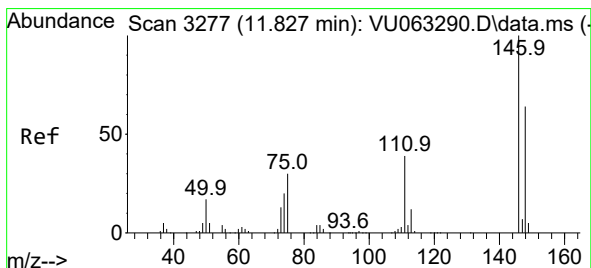
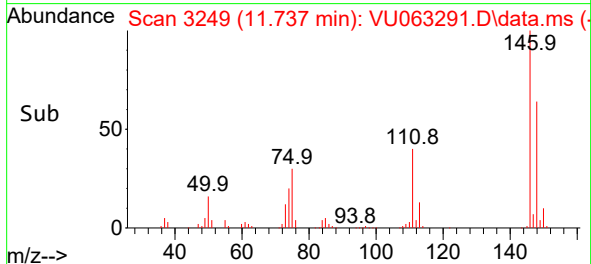
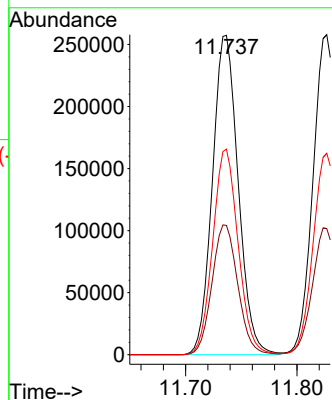
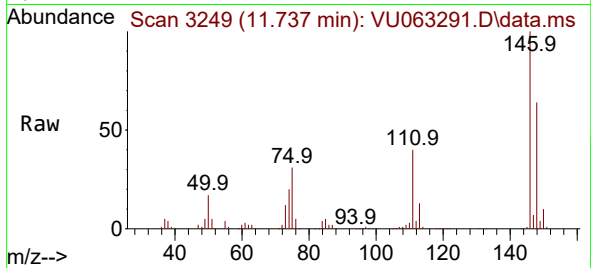




#64
1,3-Dichlorobenzene
Concen: 86.38 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

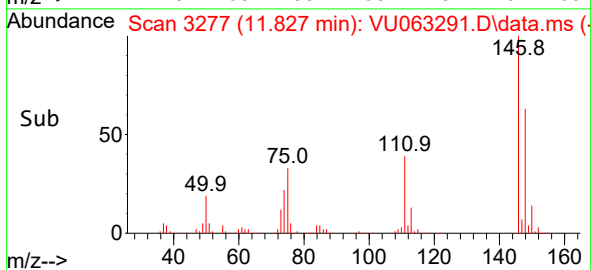
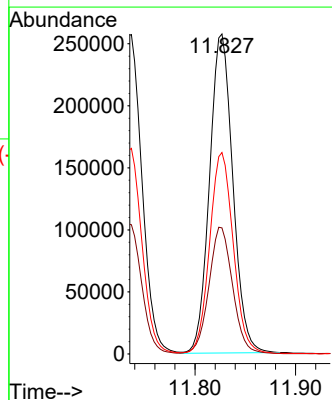
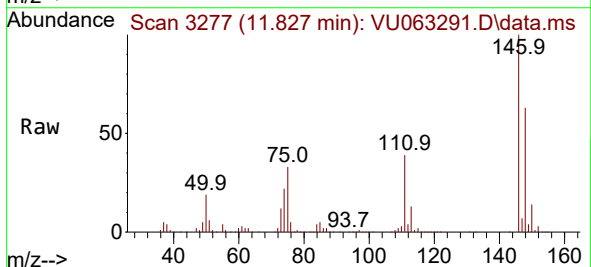
Instrument :
MSVOA_U
ClientSampleId :
VSTD100030

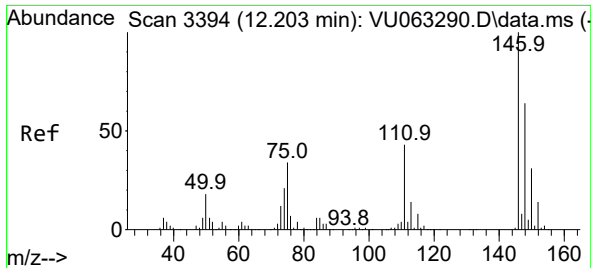
Tgt Ion:146 Resp: 414127
Ion Ratio Lower Upper
146 100
111 40.5 29.2 54.2
148 64.4 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 83.25 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063291.D
Acq: 17 Mar 2025 12:25

Tgt Ion:146 Resp: 414061
Ion Ratio Lower Upper
146 100
111 39.4 27.5 51.1
148 63.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 87.64 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100030

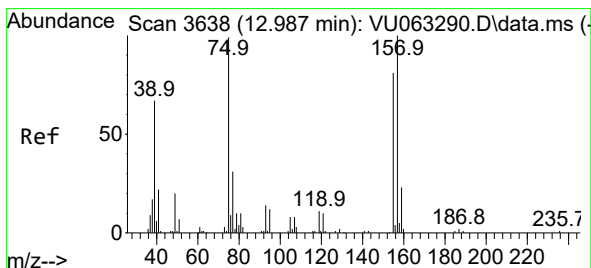
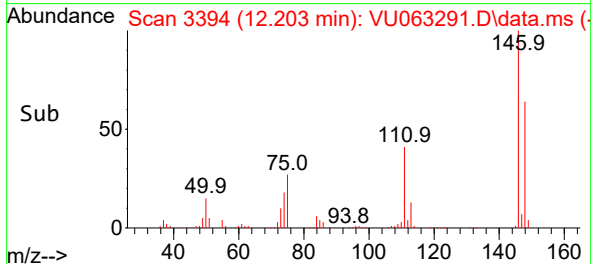
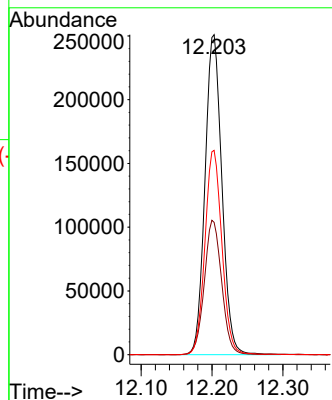
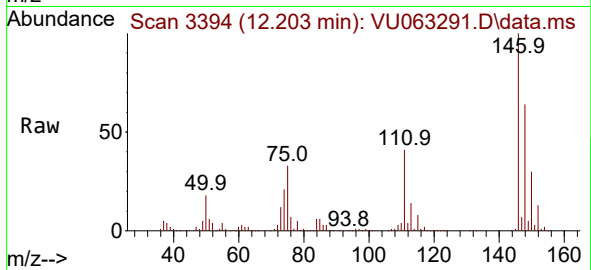
Tgt Ion:146 Resp: 415236

Ion Ratio Lower Upper

146 100

111 41.4 34.7 52.1

148 63.9 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 95.83 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

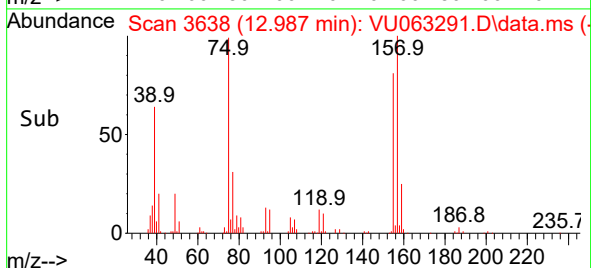
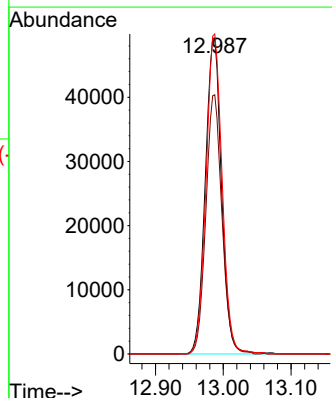
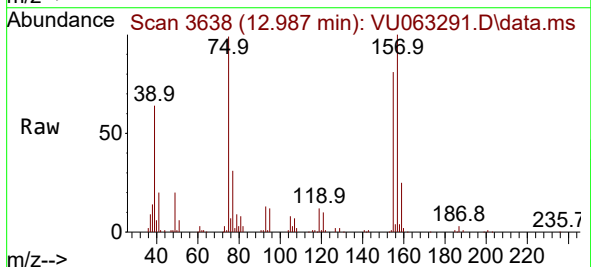
Tgt Ion: 75 Resp: 81928

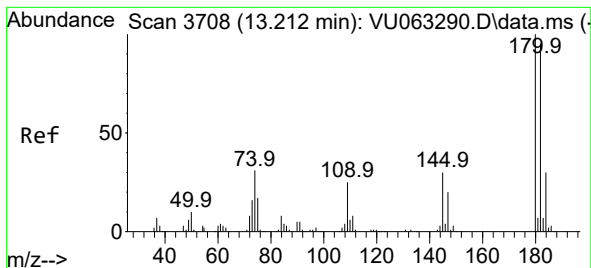
Ion Ratio Lower Upper

75 100

155 82.0 68.4 102.6

157 101.2 84.2 126.4





#69

1,3,5-Trichlorobenzene

Concen: 86.16 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100030

Tgt Ion:180 Resp: 278743

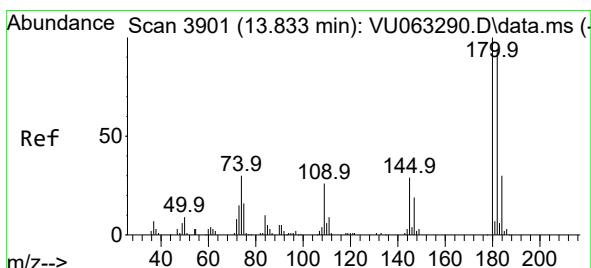
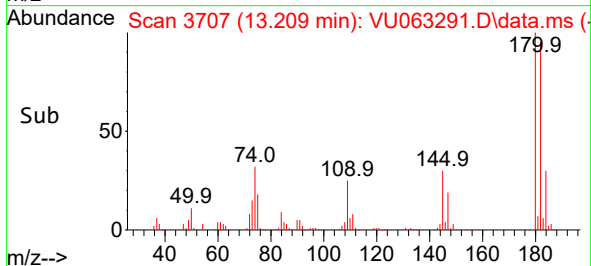
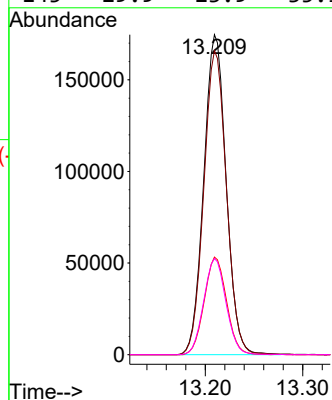
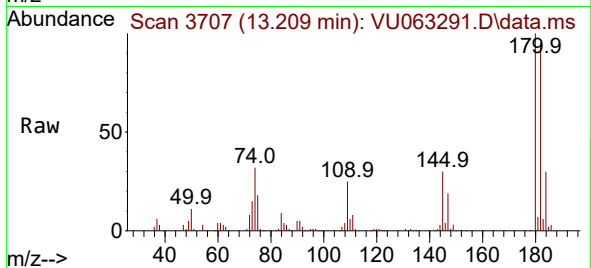
Ion Ratio Lower Upper

180 100

182 95.7 77.2 115.8

184 30.3 24.3 36.5

145 29.9 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 82.27 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

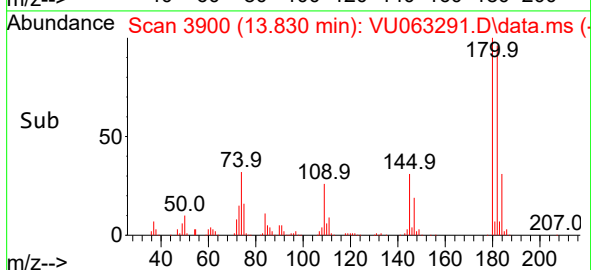
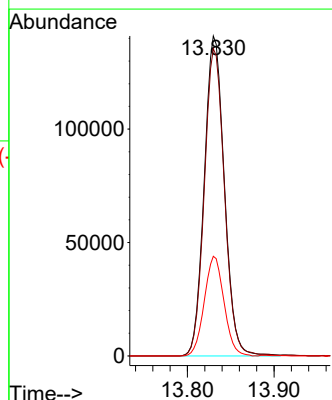
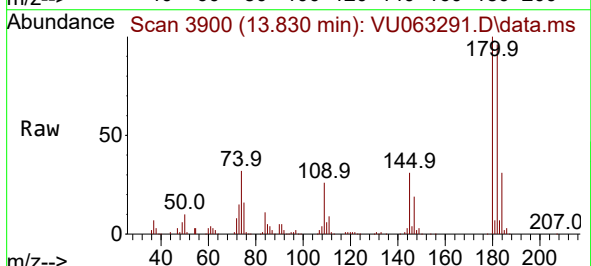
Tgt Ion:180 Resp: 227679

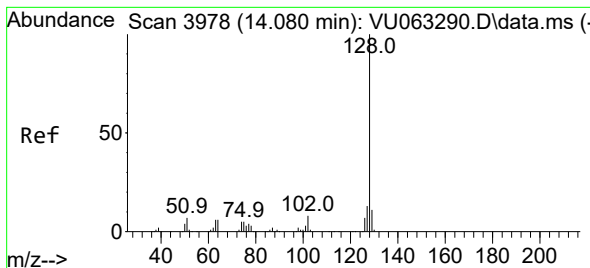
Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.8

145 30.5 24.0 36.0





#71

Naphthalene

Concen: 85.32 ug/L

RT: 14.077 min Scan# 3977

Delta R.T. -0.003 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100030

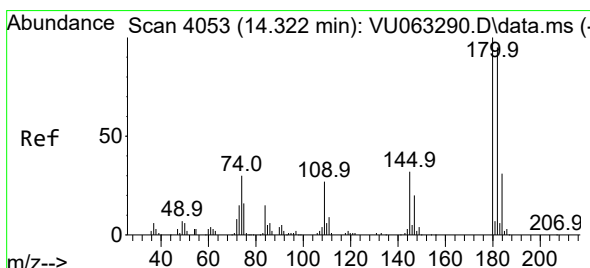
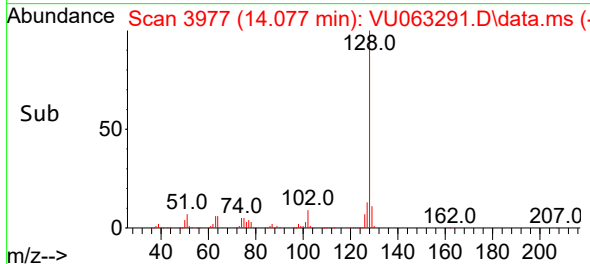
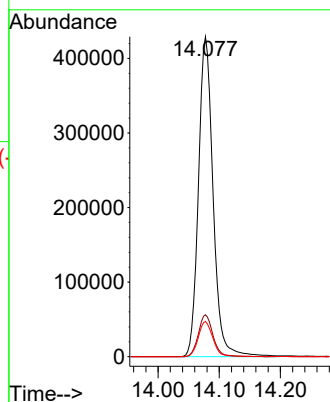
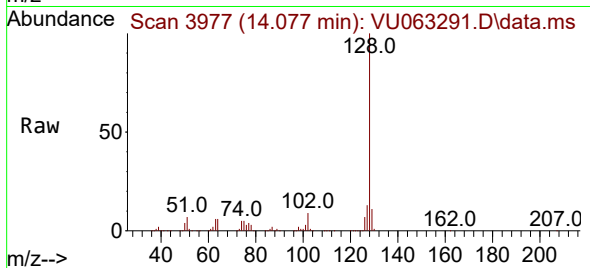
Tgt Ion:128 Resp: 714487

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 86.49 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063291.D

Acq: 17 Mar 2025 12:25

Tgt Ion:180 Resp: 231778

Ion Ratio Lower Upper

180 100

182 95.6 77.3 115.9

145 32.6 25.7 38.5

