

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031325\
 Data File : VU063281.D
 Acq On : 13 Mar 2025 13:55
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005139

Quant Time: Mar 14 10:26:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 14 10:17:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	203449	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	195237	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	95893	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.592	65	67771	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.898	69	65196	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.554	65	31823	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	4.608	46	174604	47.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.42%
24) Chloroform-d	5.049	84	153463	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.689	65	73786	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.714	84	299247	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.679	67	94436	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.888	98	272992	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloroprop...	8.171	79	31764	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.621	63	134081	48.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.70%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	74912	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
66) 1,2-Dichlorobenzene-d4	12.184	152	89411	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.380	85	92888	4.97	ug/L 97
3) Chloromethane	1.515	50	102437	4.77	ug/L 98
5) Vinyl chloride	1.599	62	103844	4.95	ug/L 98
6) Bromomethane	1.840	94	57449	4.67	ug/L 99
8) Chloroethane	1.920	64	61837	4.84	ug/L 99
9) Trichlorofluoromethane	2.126	101	122880	5.10	ug/L 100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	76368	5.11	ug/L 99
12) 1,1-Dichloroethene	2.567	96	69560	4.77	ug/L 98
13) Acetone	2.615	43	113994	49.03	ug/L 96
14) Carbon disulfide	2.779	76	242472	5.05	ug/L 99
15) Methyl Acetate	2.940	43	31564	5.07	ug/L 96
16) Methylene chloride	3.030	84	83884	4.68	ug/L 98
17) Methyl tert-butyl Ether	3.351	73	170862	4.61	ug/L 99
18) trans-1,2-Dichloroethene	3.338	96	75054	4.88	ug/L 98
19) 1,1-Dichloroethane	3.853	63	148326	4.84	ug/L 98
21) 2-Butanone	4.689	43	187600	48.31	ug/L 100
22) cis-1,2-Dichloroethene	4.653	96	84965	4.86	ug/L 96
23) Bromochloromethane	4.962	128	36223	4.66	ug/L 94
25) Chloroform	5.075	83	150856	4.84	ug/L 99

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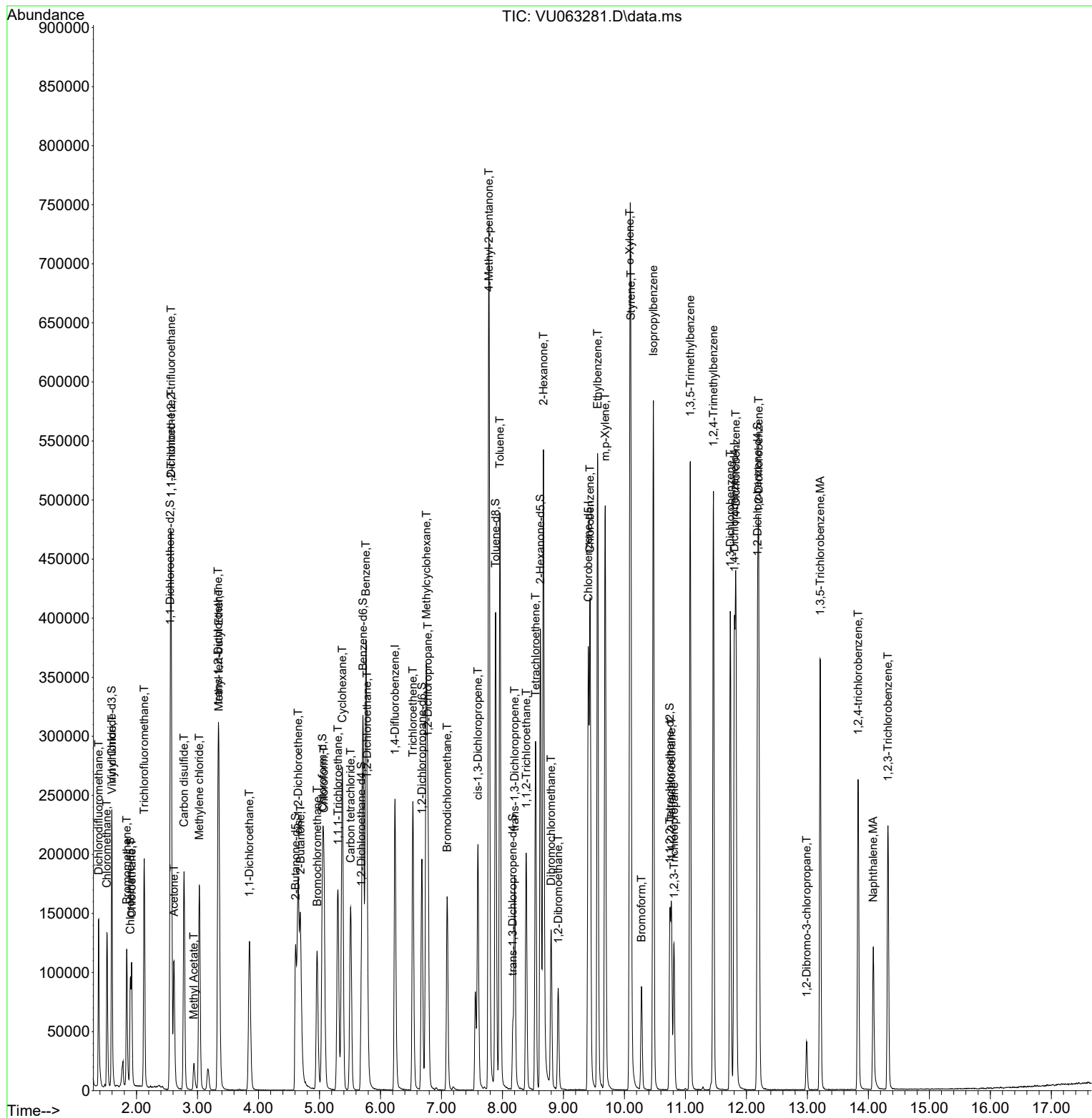
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	95873	4.81	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	122650	4.97	ug/L	100
30) Cyclohexane	5.374	56	135241	5.55	ug/L	99
31) Carbon tetrachloride	5.512	117	107445	5.14	ug/L	98
33) Benzene	5.763	78	336411	4.91	ug/L	100
34) Trichloroethene	6.531	95	86646	5.04	ug/L	97
35) Methylcyclohexane	6.753	83	132193	5.32	ug/L	98
37) 1,2-Dichloropropane	6.779	63	89222	4.90	ug/L	100
38) Bromodichloromethane	7.094	83	108664	5.00	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	124230	4.92	ug/L	99
40) 4-Methyl-2-pentanone	7.779	43	459231	48.40	ug/L	100
42) Toluene	7.959	91	366313	5.25	ug/L	97
44) trans-1,3-Dichloropropene	8.200	75	103836	5.00	ug/L	98
45) 1,1,2-Trichloroethane	8.390	97	61450	4.73	ug/L	99
47) Tetrachloroethene	8.544	164	65621	5.27	ug/L	98
48) 2-Hexanone	8.672	43	340457	51.35	ug/L	99
49) Dibromochloromethane	8.798	129	69207	5.01	ug/L	95
50) 1,2-Dibromoethane	8.914	107	58373	4.92	ug/L	99
51) Chlorobenzene	9.438	112	216086	5.00	ug/L	98
52) Ethylbenzene	9.560	91	375755	5.16	ug/L	98
53) m,p-Xylene	9.685	106	142707	5.26	ug/L	99
54) o-Xylene	10.090	106	136302	5.23	ug/L	97
55) Styrene	10.106	104	230215	5.38	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	77815	4.76	ug/L	98
59) Bromoform	10.280	173	40313	4.64	ug/L	97
60) Isopropylbenzene	10.476	105	367050	5.12	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	53080	4.56	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	288652	5.18	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	279284	5.34	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	164849	4.94	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	162845	4.90	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	152695	4.90	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	10912	5.02	ug/L	87
69) 1,3,5-Trichlorobenzene	13.212	180	116389	5.05	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	82308	5.00	ug/L	100
71) Naphthalene	14.081	128	106629	4.84	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	72598	5.13	ug/L	97

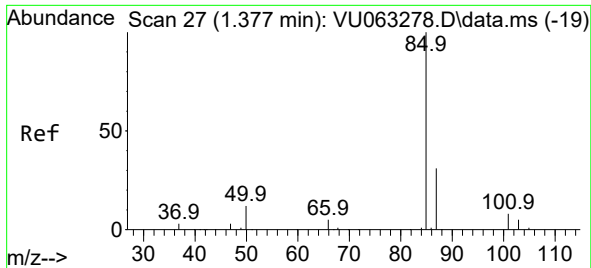
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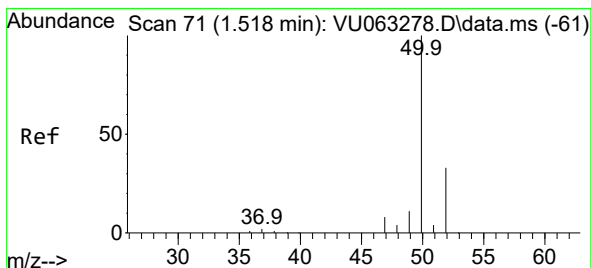
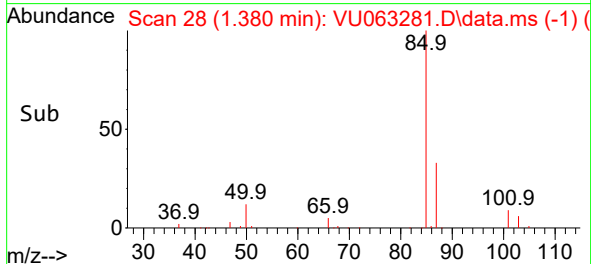
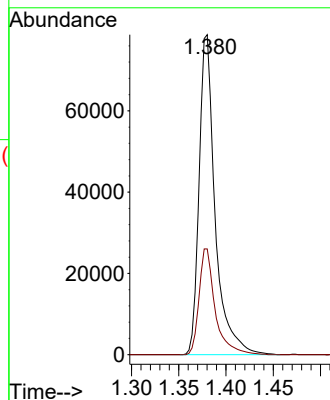
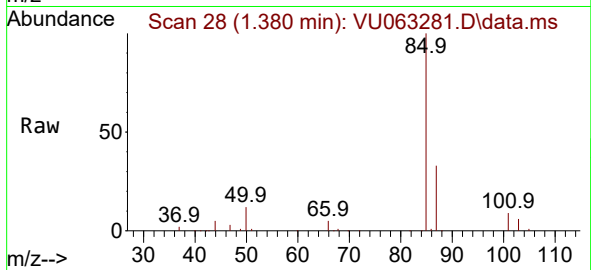




#2
 Dichlorodifluoromethane
 Concen: 4.97 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU063281.D
 Acq: 13 Mar 2025 13:55

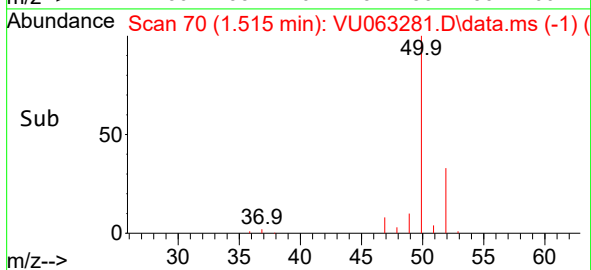
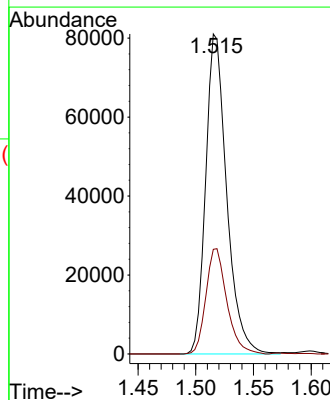
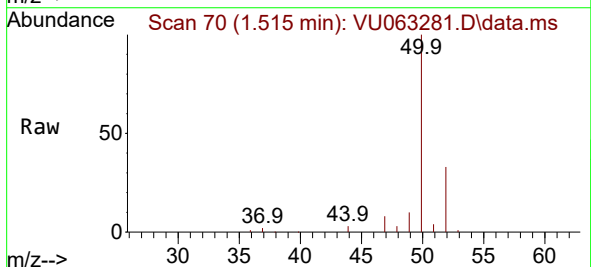
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005139

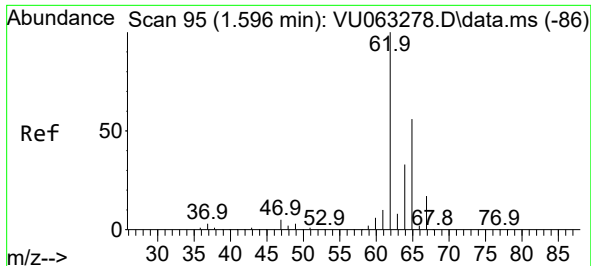
Tgt Ion: 85 Resp: 92888
 Ion Ratio Lower Upper
 85 100
 87 33.4 25.5 38.3



#3
 Chloromethane
 Concen: 4.77 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU063281.D
 Acq: 13 Mar 2025 13:55

Tgt Ion: 50 Resp: 102437
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.5 43.7

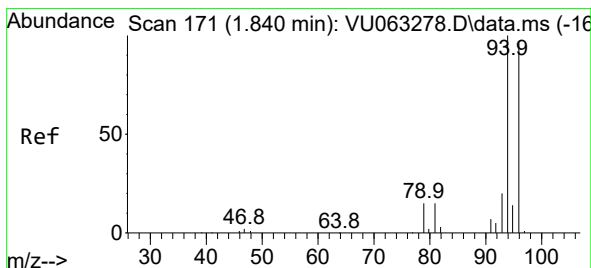
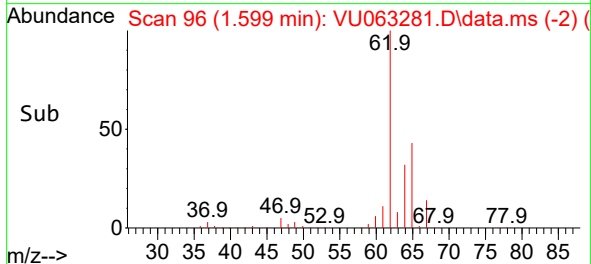
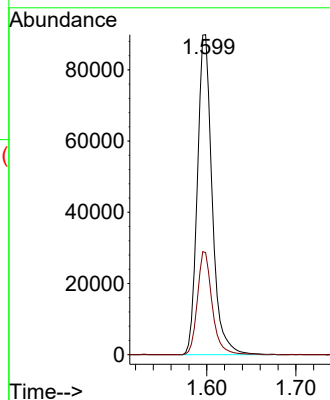
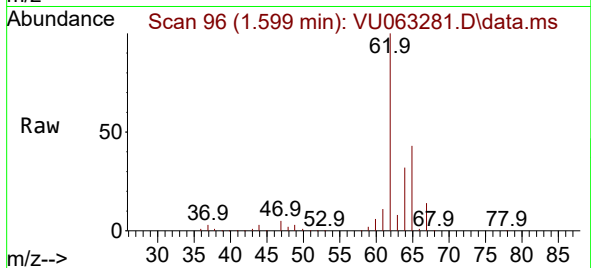




#5
 Vinyl chloride
 Concen: 4.95 ug/L
 RT: 1.599 min Scan# 95
 Delta R.T. 0.003 min
 Lab File: VU063281.D
 Acq: 13 Mar 2025 13:55

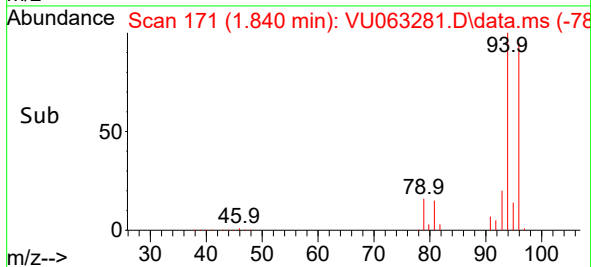
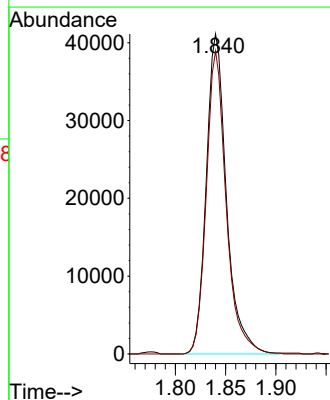
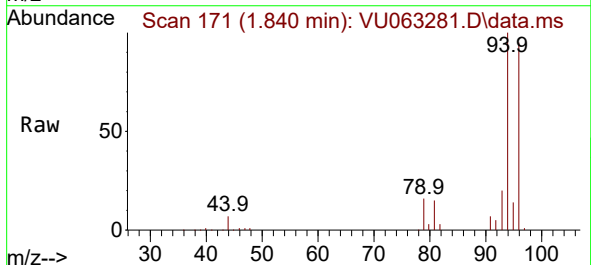
Instrument :
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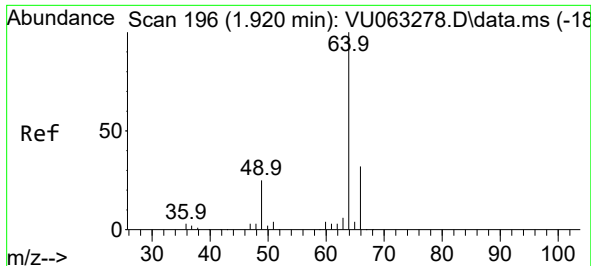
Tgt Ion: 62 Resp: 103844
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.3 43.3



#6
 Bromomethane
 Concen: 4.67 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VU063281.D
 Acq: 13 Mar 2025 13:55

Tgt Ion: 94 Resp: 57449
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.6 121.8

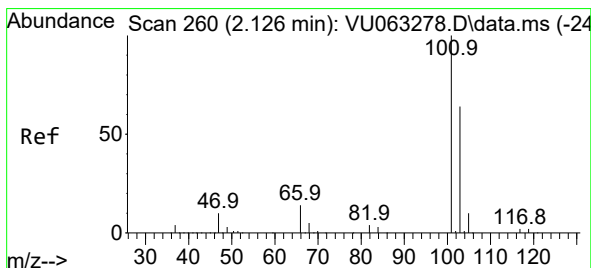
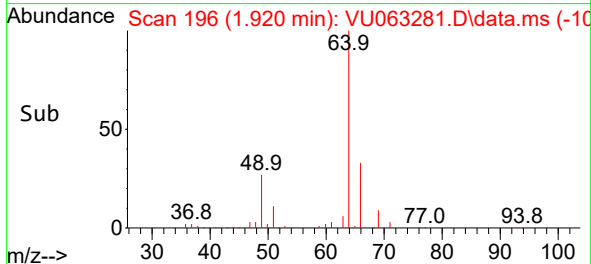
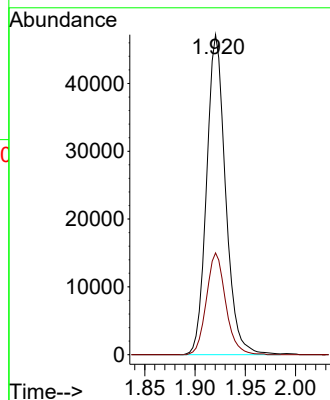
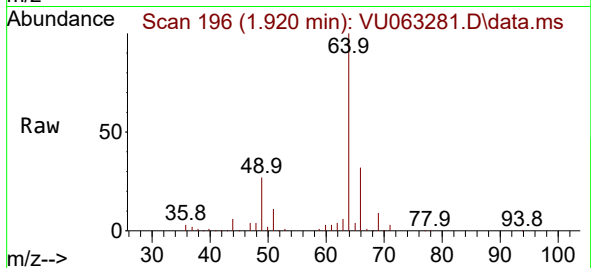




#8
Chloroethane
Concen: 4.84 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

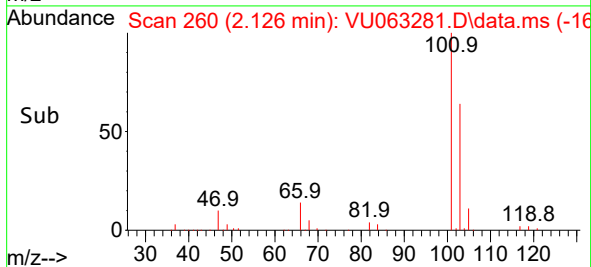
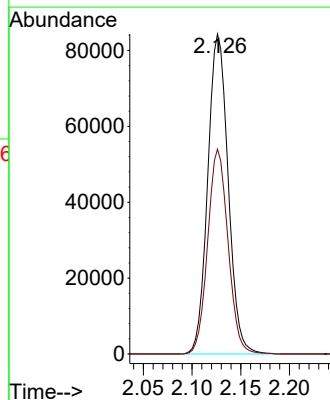
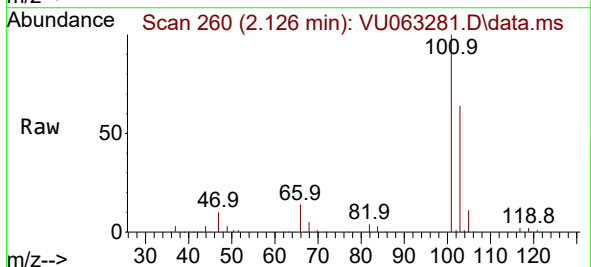
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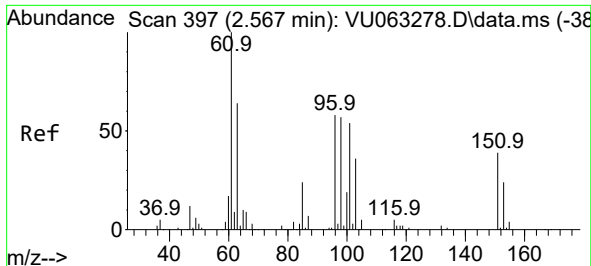
Tgt Ion: 64 Resp: 61837
Ion Ratio Lower Upper
64 100
66 31.8 22.7 42.3



#9
Trichlorofluoromethane
Concen: 5.10 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion:101 Resp: 122880
Ion Ratio Lower Upper
101 100
103 63.8 50.8 76.2

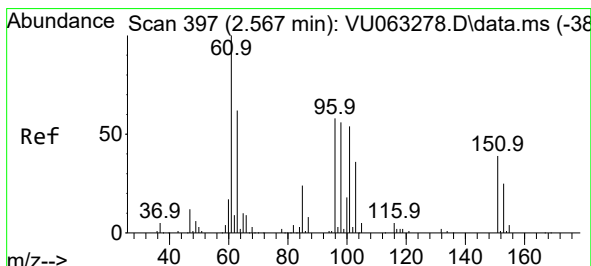
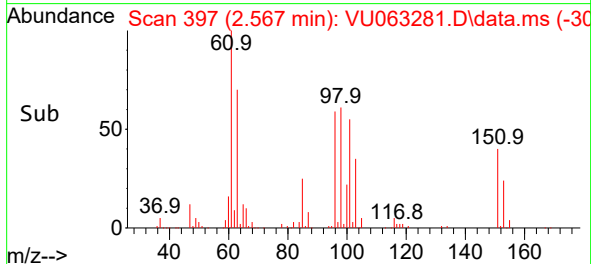
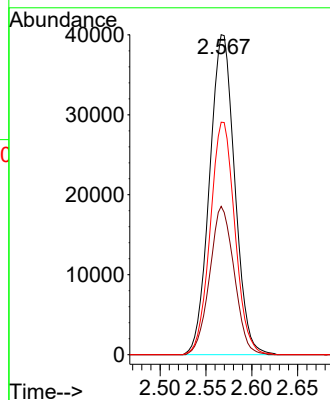
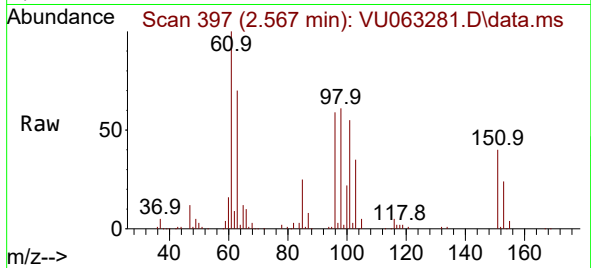




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.11 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

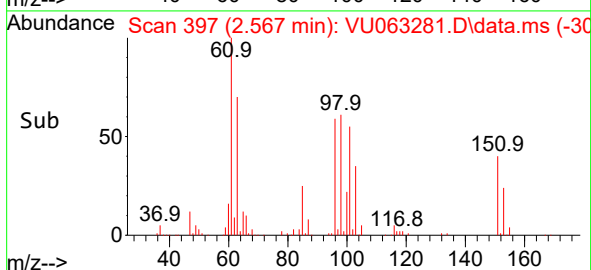
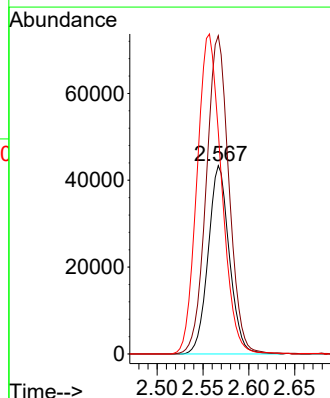
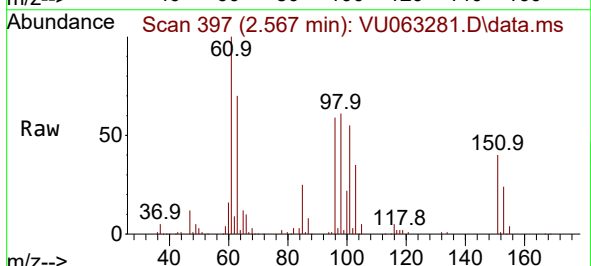
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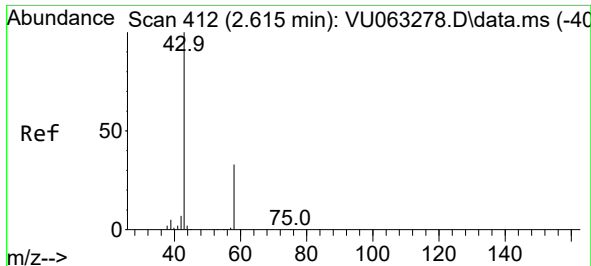
Tgt Ion:101 Resp: 76368
Ion Ratio Lower Upper
101 100
85 45.0 35.8 53.6
151 71.4 56.4 84.6



#12
1,1-Dichloroethene
Concen: 4.77 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion: 96 Resp: 69560
Ion Ratio Lower Upper
96 100
61 168.9 117.8 218.8
63 118.0 86.0 159.6





#13

Acetone

Concen: 49.03 ug/L

RT: 2.615 min Scan# 412

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

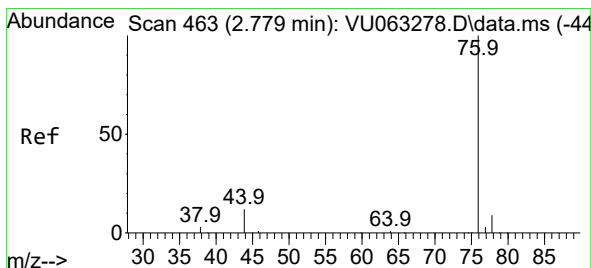
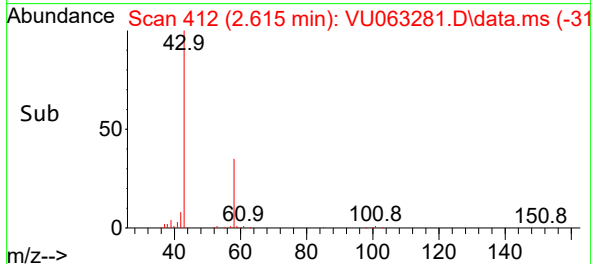
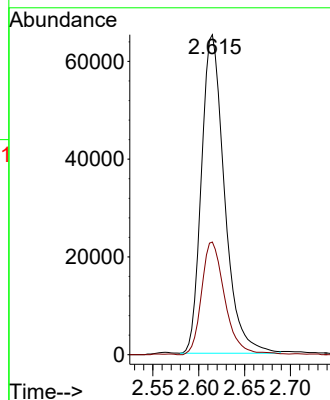
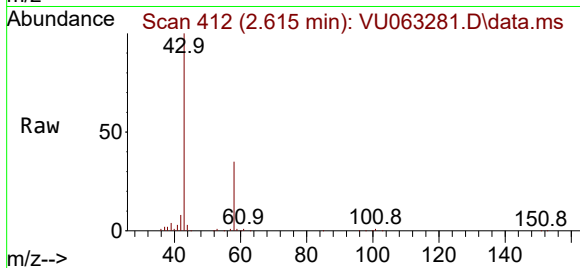
VSTD005139

Tgt Ion: 43 Resp: 113994

Ion Ratio Lower Upper

43 100

58 35.7 0.0 66.8



#14

Carbon disulfide

Concen: 5.05 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU063281.D

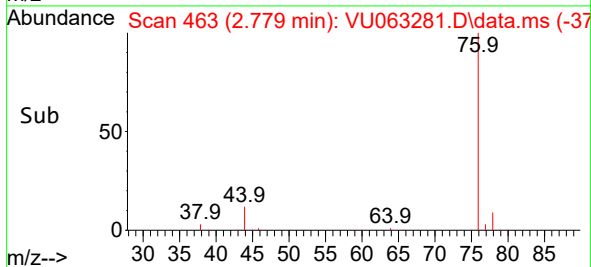
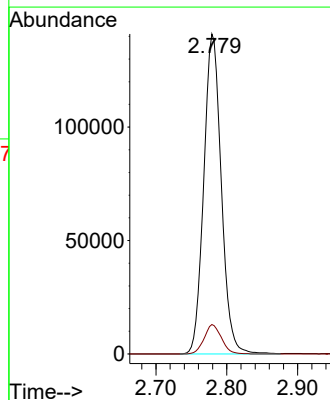
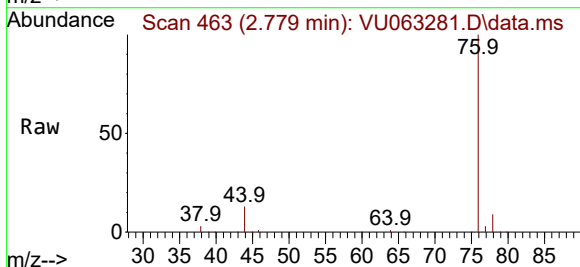
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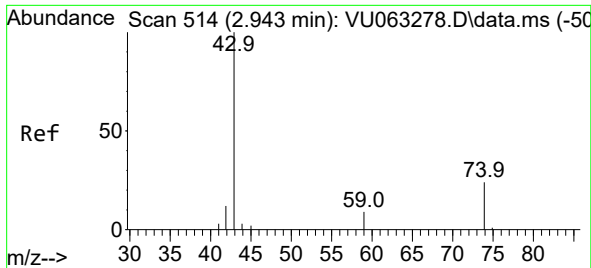
Tgt Ion: 76 Resp: 242472

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

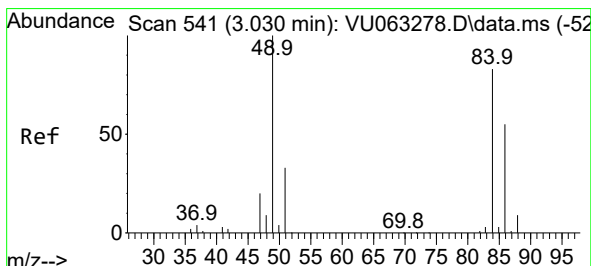
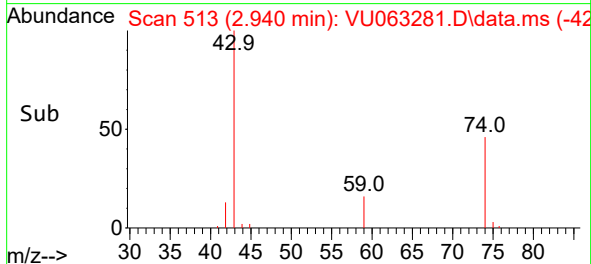
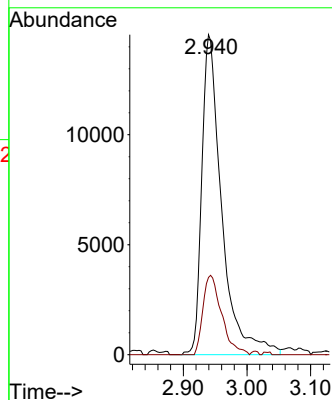
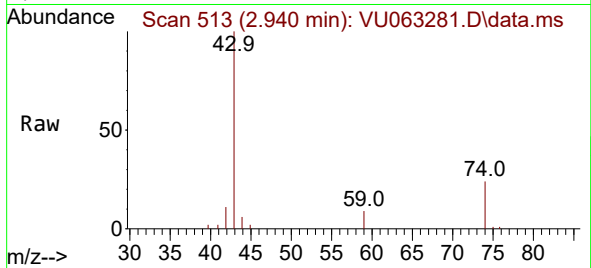




#15
Methyl Acetate
Concen: 5.07 ug/L
RT: 2.940 min Scan# 514
Delta R.T. -0.003 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

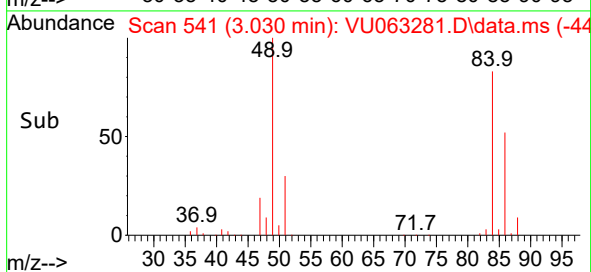
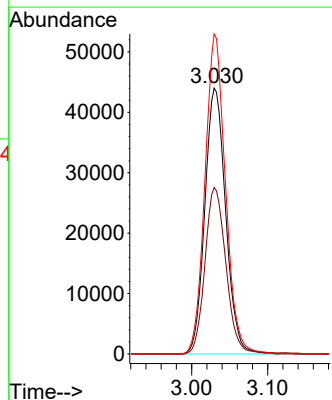
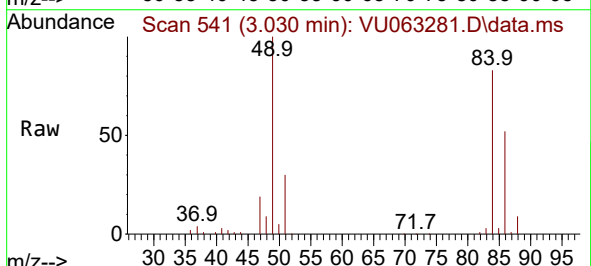
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

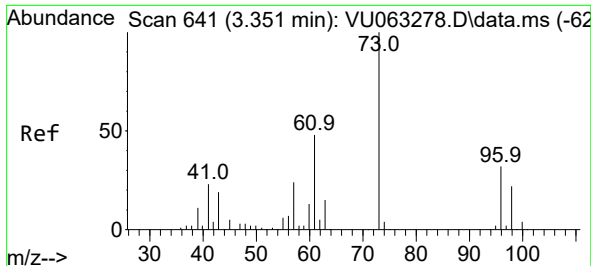
Tgt Ion: 43 Resp: 31564
Ion Ratio Lower Upper
43 100
74 23.2 20.2 30.2



#16
Methylene chloride
Concen: 4.68 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion: 84 Resp: 83884
Ion Ratio Lower Upper
84 100
86 62.6 45.3 84.1
49 120.4 83.4 154.8





#17

Methyl tert-butyl Ether

Concen: 4.61 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

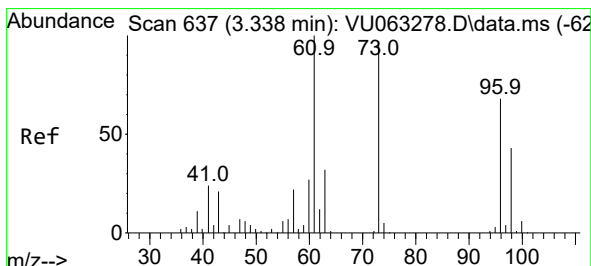
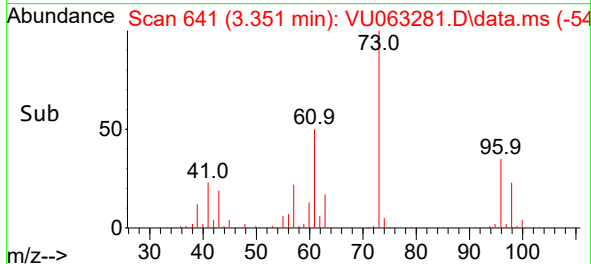
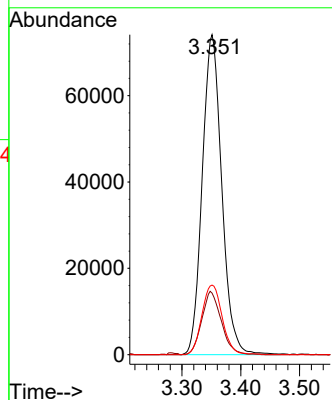
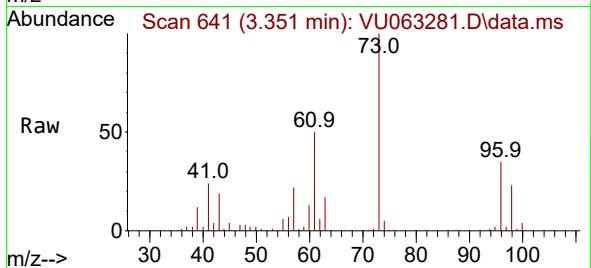
Tgt Ion: 73 Resp: 170862

Ion Ratio Lower Upper

73 100

43 19.7 15.7 23.5

57 22.6 17.6 26.4



#18

trans-1,2-Dichloroethene

Concen: 4.88 ug/L

RT: 3.338 min Scan# 637

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

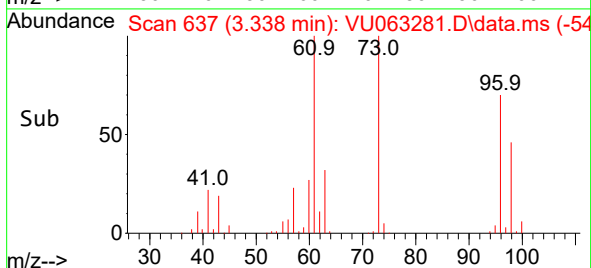
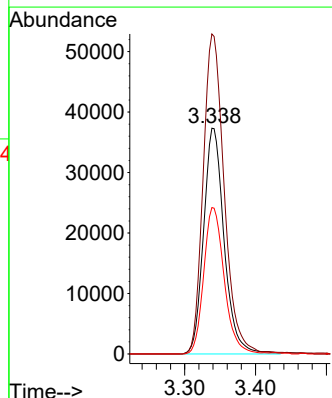
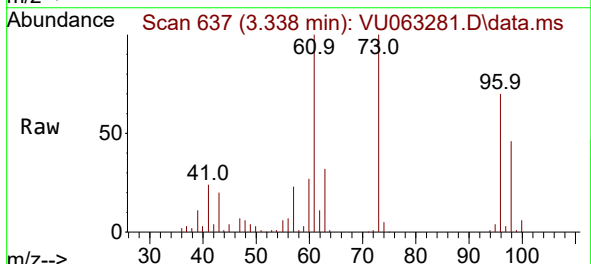
Tgt Ion: 96 Resp: 75054

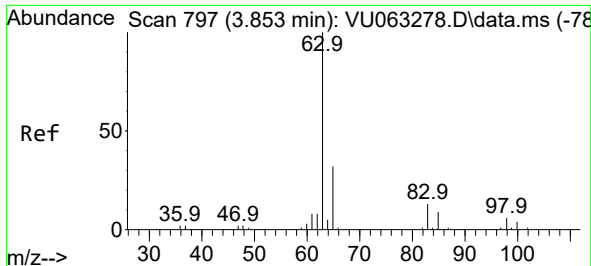
Ion Ratio Lower Upper

96 100

61 141.7 100.7 186.9

98 64.8 44.4 82.5

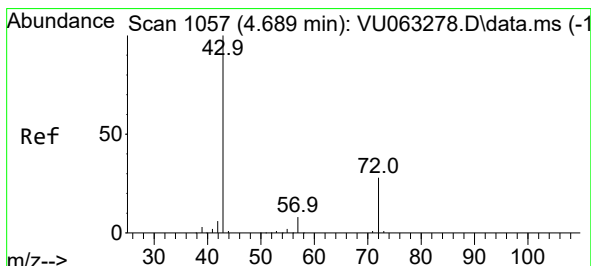
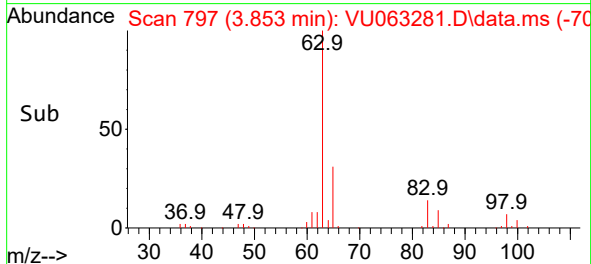
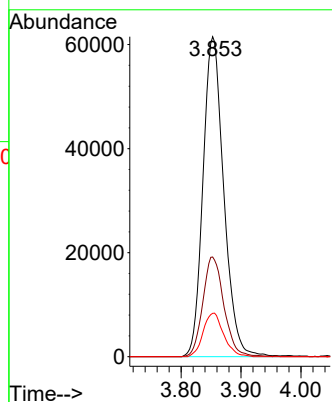
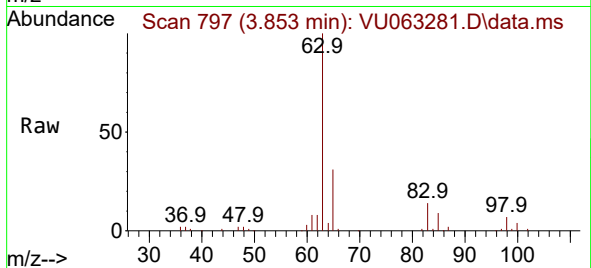




#19
1,1-Dichloroethane
Concen: 4.84 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

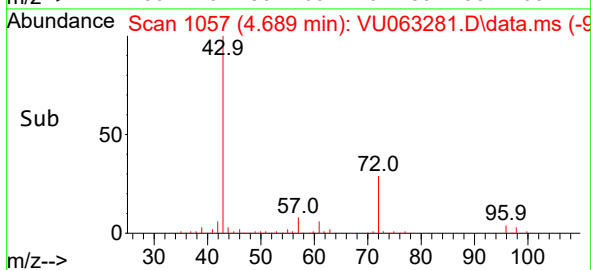
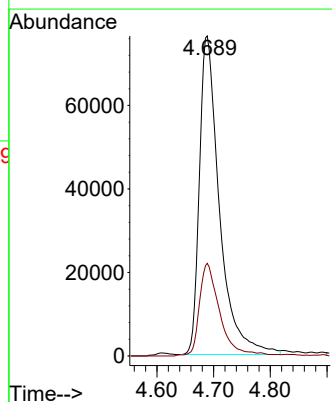
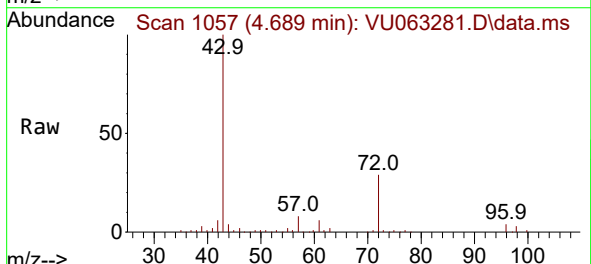
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

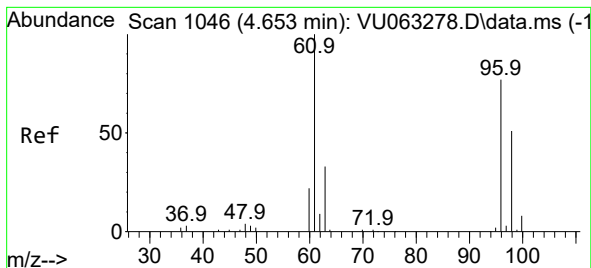
Tgt Ion: 63 Resp: 148326
Ion Ratio Lower Upper
63 100
65 31.1 22.8 42.4
83 13.6 9.3 17.3



#21
2-Butanone
Concen: 48.31 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion: 43 Resp: 187600
Ion Ratio Lower Upper
43 100
72 29.0 14.5 43.5





#22

cis-1,2-Dichloroethene

Concen: 4.86 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

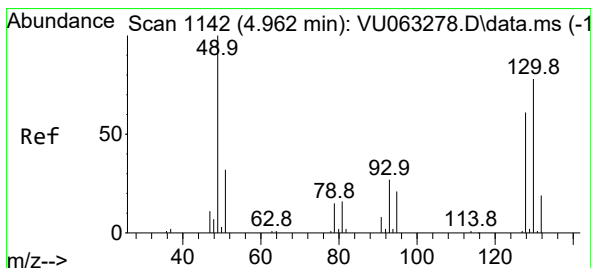
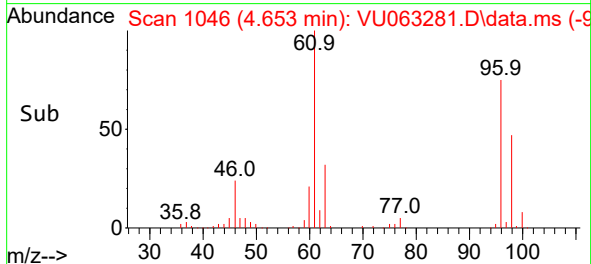
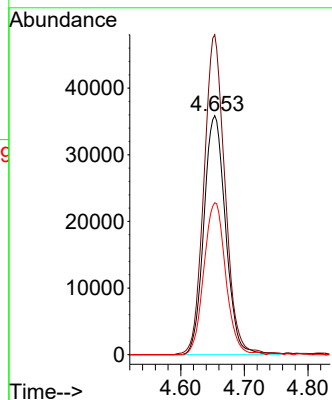
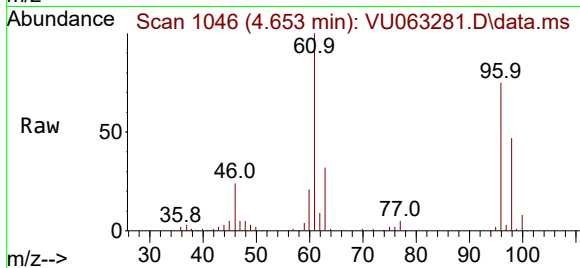
Tgt Ion: 96 Resp: 84965

Ion Ratio Lower Upper

96 100

61 133.8 89.9 167.0

98 63.6 43.8 81.4



#23

Bromochloromethane

Concen: 4.66 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Tgt Ion: 128 Resp: 36223

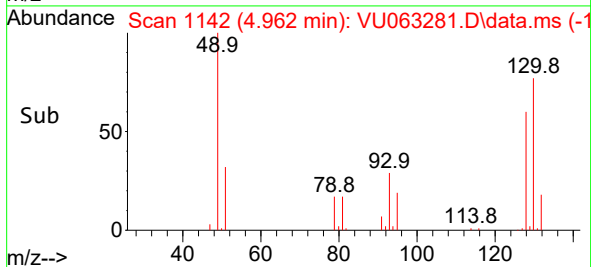
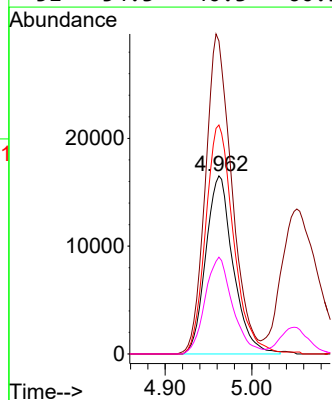
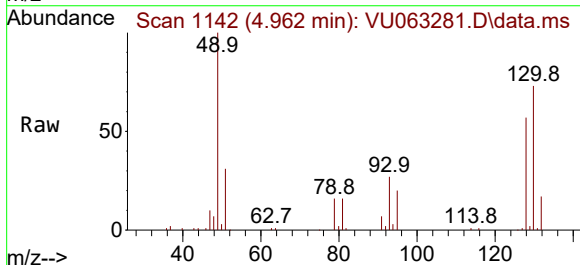
Ion Ratio Lower Upper

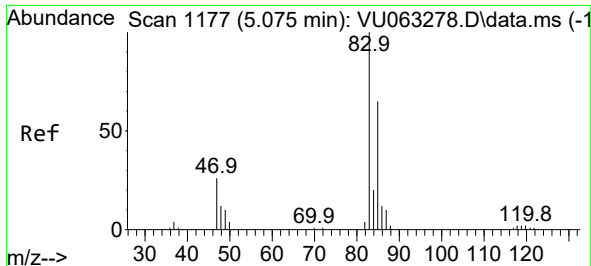
128 100

49 175.7 115.1 213.8

130 128.5 87.6 162.8

51 54.3 40.3 60.5

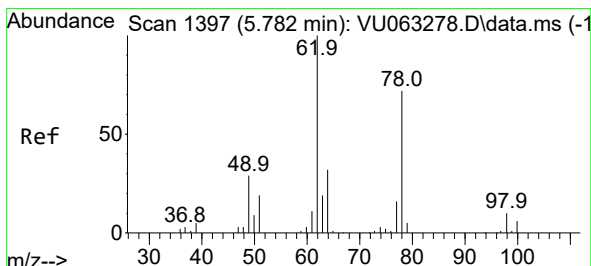
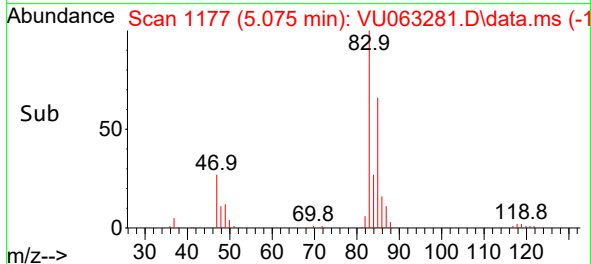
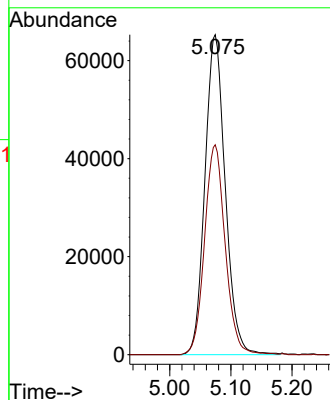
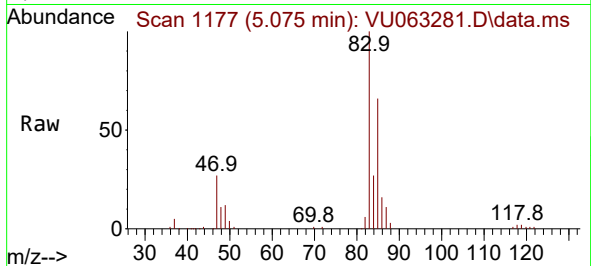




#25
Chloroform
Concen: 4.84 ug/L
RT: 5.075 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

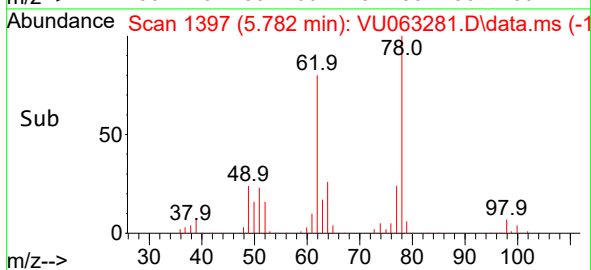
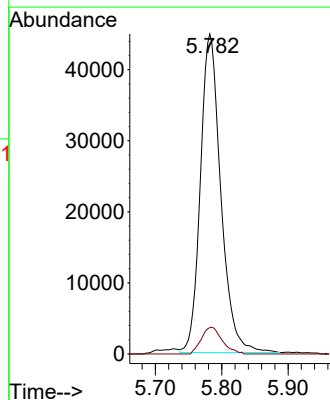
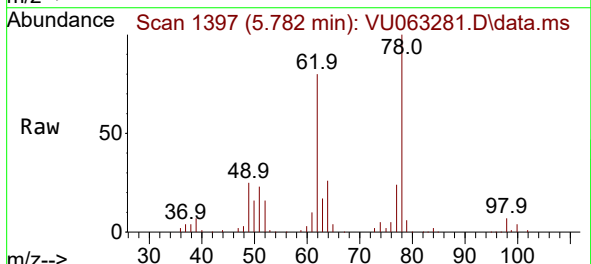
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

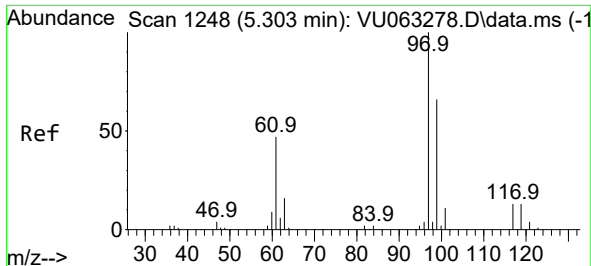
Tgt Ion: 83 Resp: 150856
Ion Ratio Lower Upper
83 100
85 65.6 46.8 86.8



#27
1,2-Dichloroethane
Concen: 4.81 ug/L
RT: 5.782 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion: 62 Resp: 95873
Ion Ratio Lower Upper
62 100
98 8.2 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 4.97 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

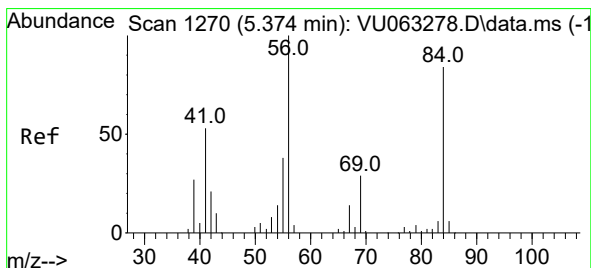
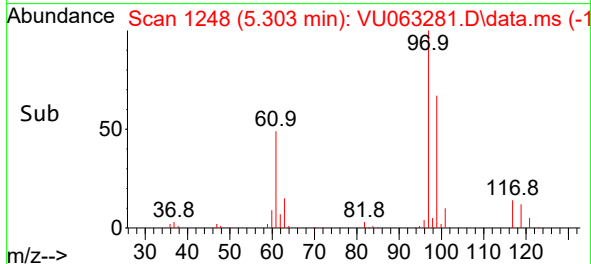
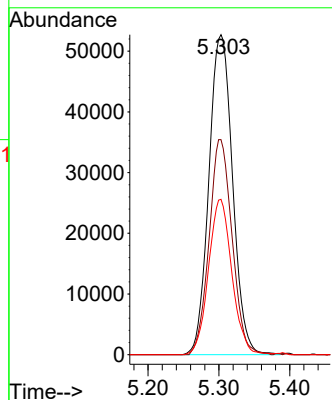
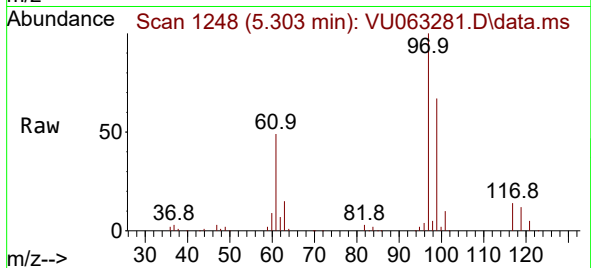
Tgt Ion: 97 Resp: 122650

Ion Ratio Lower Upper

97 100

99 65.1 52.0 78.0

61 47.9 38.0 57.0



#30

Cyclohexane

Concen: 5.55 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

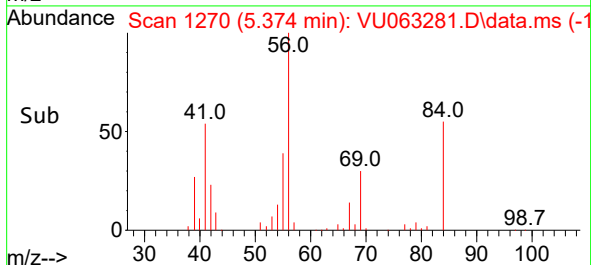
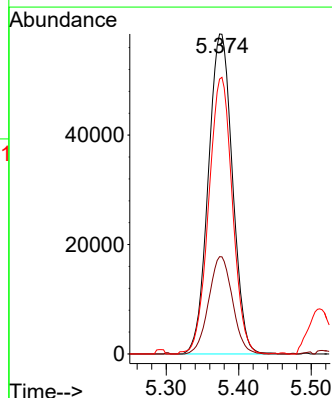
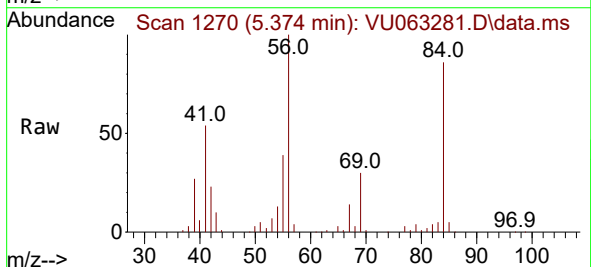
Tgt Ion: 56 Resp: 135241

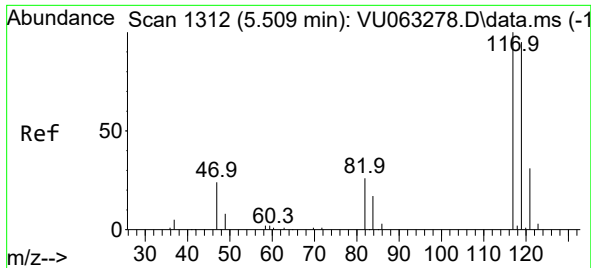
Ion Ratio Lower Upper

56 100

69 29.9 25.1 37.7

84 84.9 68.1 102.1

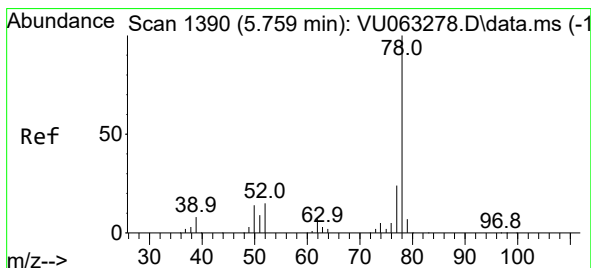
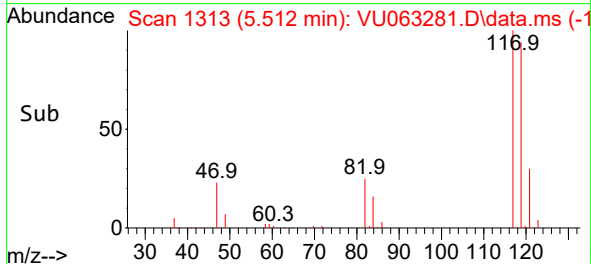
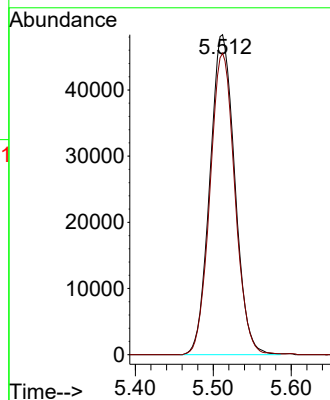
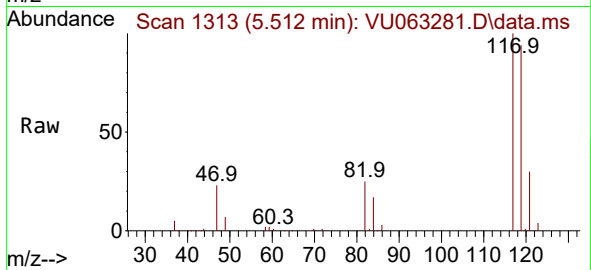




#31
Carbon tetrachloride
Concen: 5.14 ug/L
RT: 5.512 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

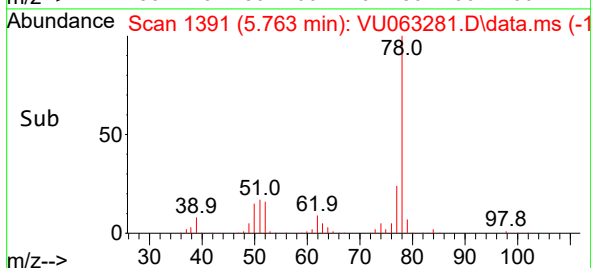
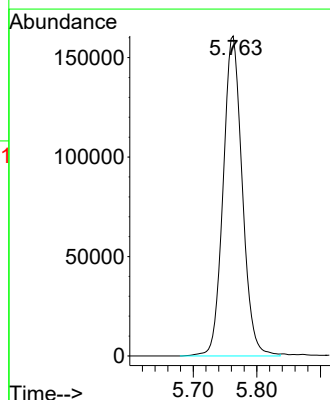
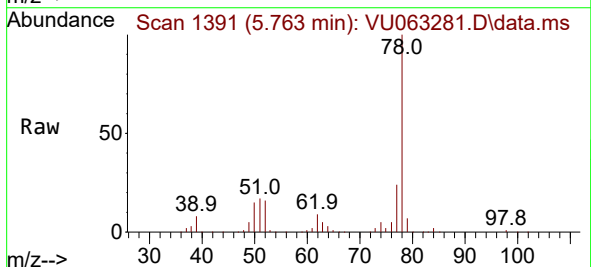
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

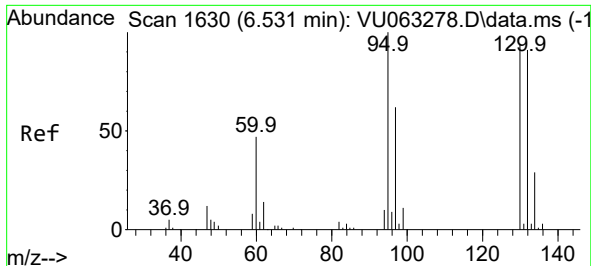
Tgt Ion:117 Resp: 107445
Ion Ratio Lower Upper
117 100
119 94.1 76.7 115.1



#33
Benzene
Concen: 4.91 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.003 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion: 78 Resp: 336411

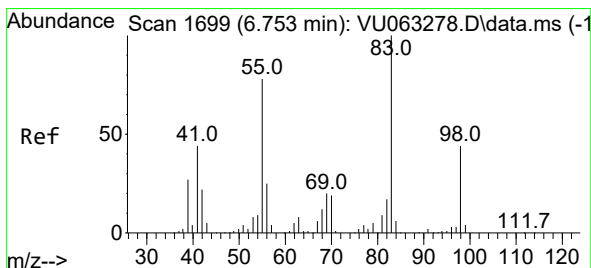
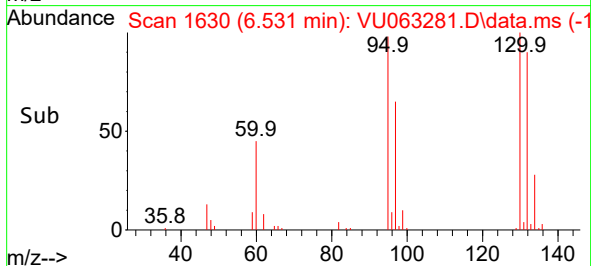
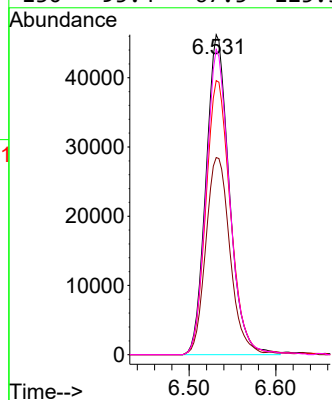
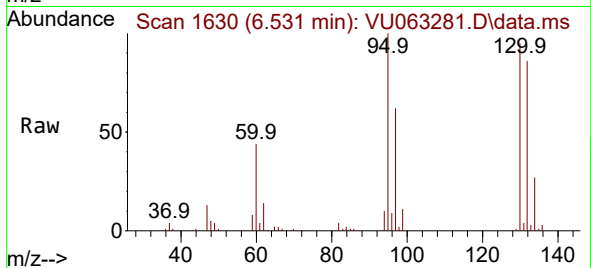




#34
Trichloroethene
Concen: 5.04 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

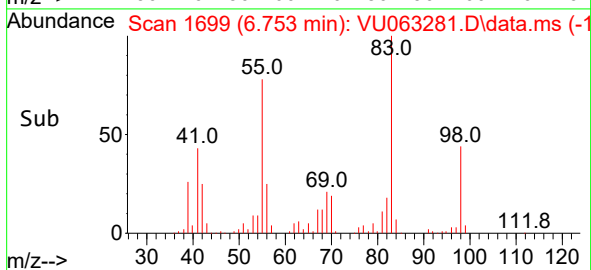
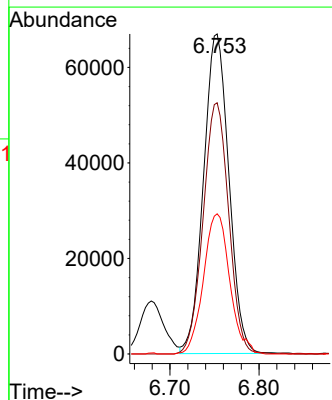
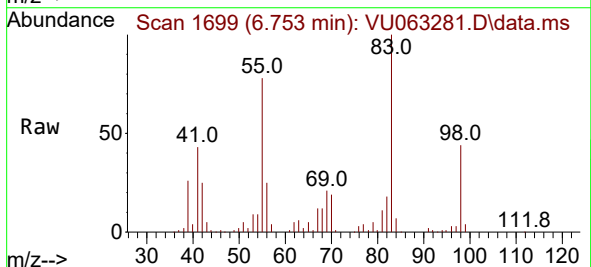
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

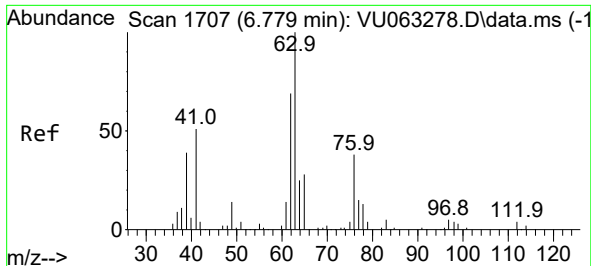
Tgt Ion: 95 Resp: 86646
Ion Ratio Lower Upper
95 100
97 61.6 45.0 83.6
132 85.7 64.0 119.0
130 95.4 67.5 125.3



#35
Methylcyclohexane
Concen: 5.32 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion: 83 Resp: 132193
Ion Ratio Lower Upper
83 100
55 79.3 62.7 94.1
98 45.4 34.3 51.5

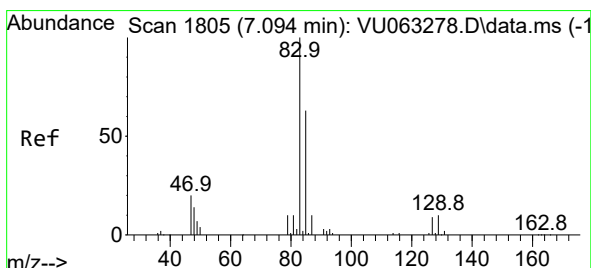
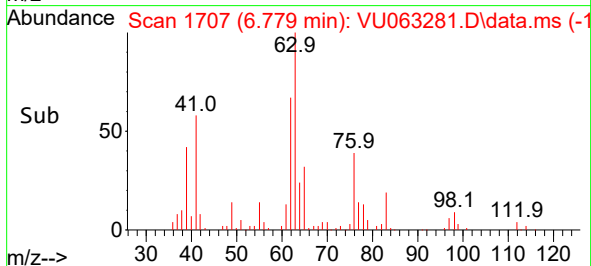
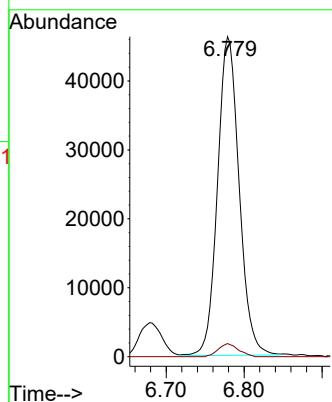
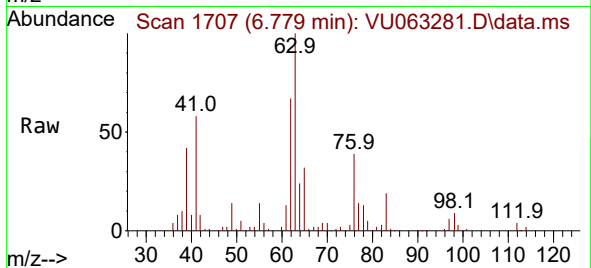




#37
1,2-Dichloropropane
Concen: 4.90 ug/L
RT: 6.779 min Scan# 1707
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

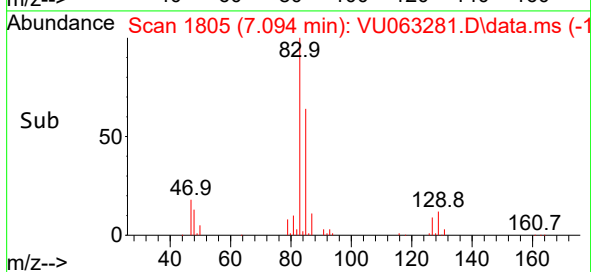
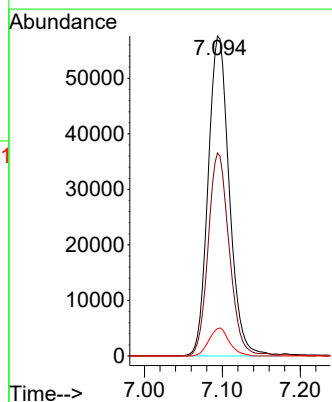
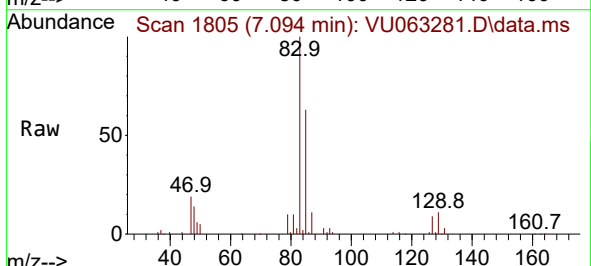
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

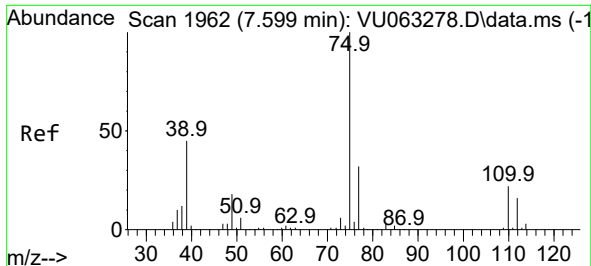
Tgt Ion: 63 Resp: 89222
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.4



#38
Bromodichloromethane
Concen: 5.00 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion: 83 Resp: 108664
Ion Ratio Lower Upper
83 100
85 63.5 44.3 82.3
127 8.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.92 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

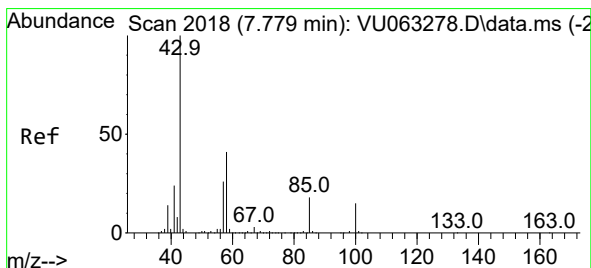
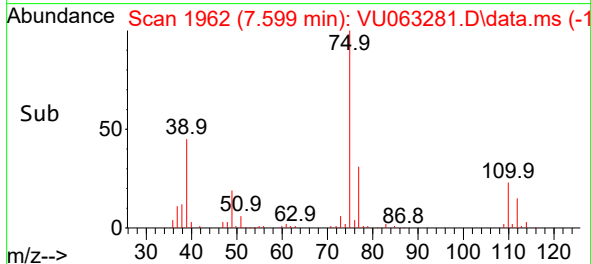
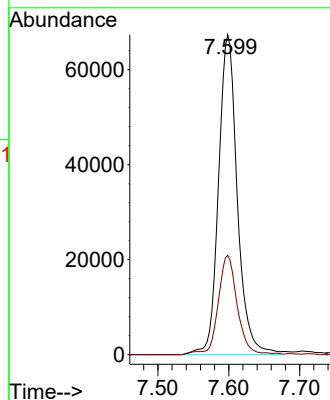
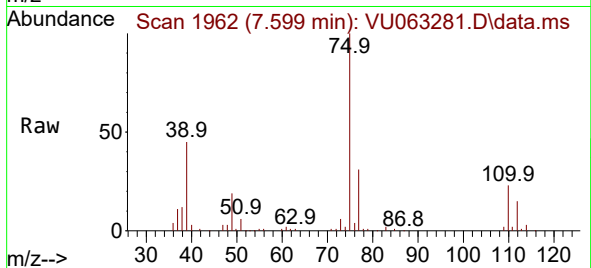
VSTD005139

Tgt Ion: 75 Resp: 124230

Ion Ratio Lower Upper

75 100

77 31.0 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 48.40 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

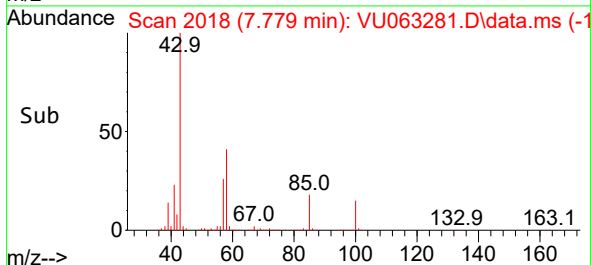
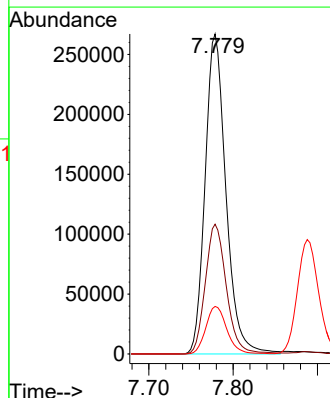
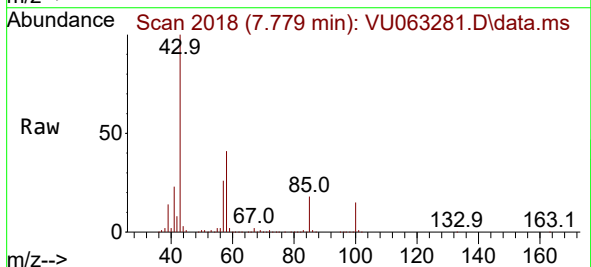
Tgt Ion: 43 Resp: 459231

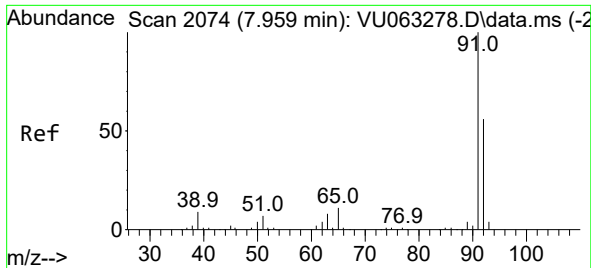
Ion Ratio Lower Upper

43 100

58 41.1 33.1 49.7

100 15.1 11.9 17.9





#42

Toluene

Concen: 5.25 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

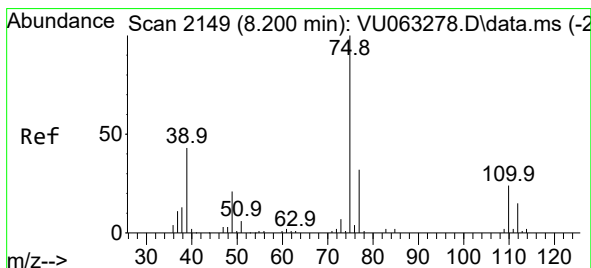
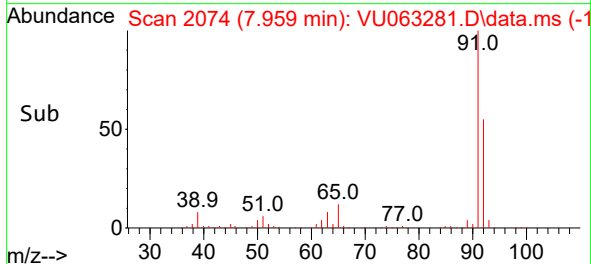
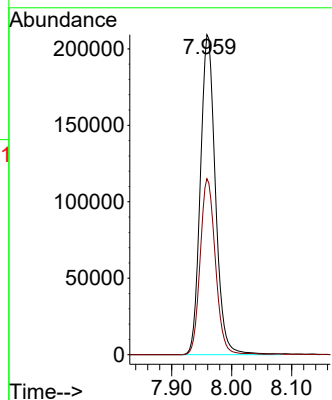
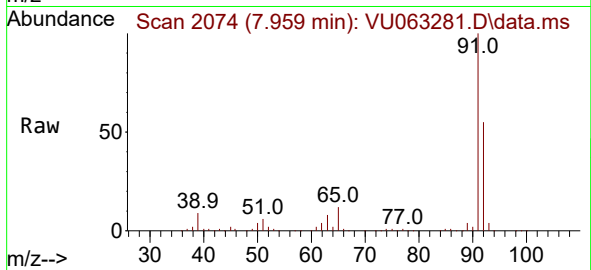
VSTD005139

Tgt Ion: 91 Resp: 366313

Ion Ratio Lower Upper

91 100

92 55.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.00 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU063281.D

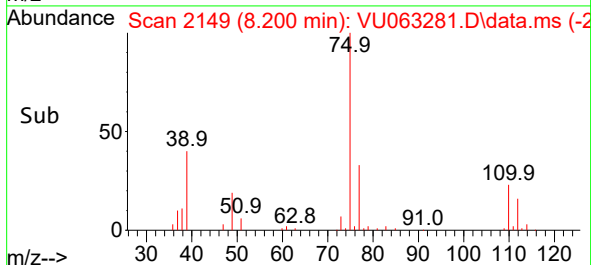
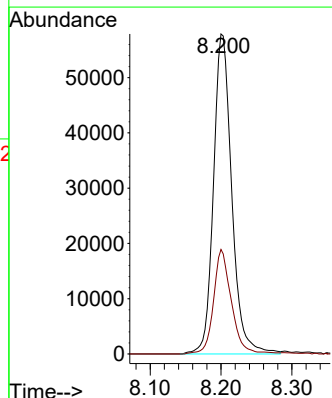
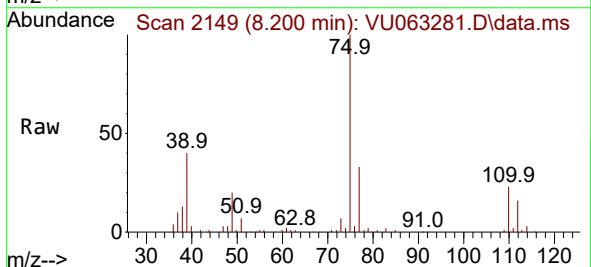
Acq: 13 Mar 2025 13:55

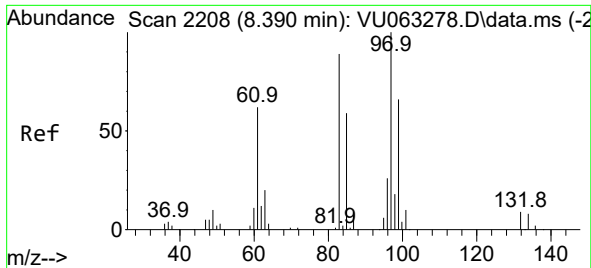
Tgt Ion: 75 Resp: 103836

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1



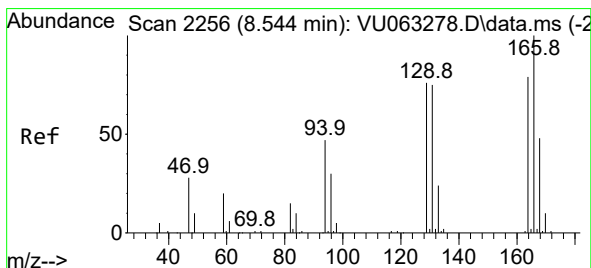
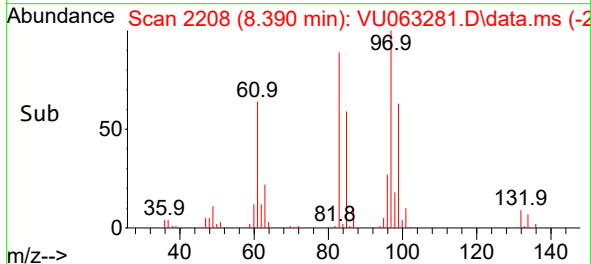
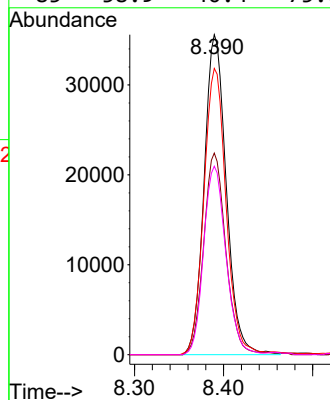
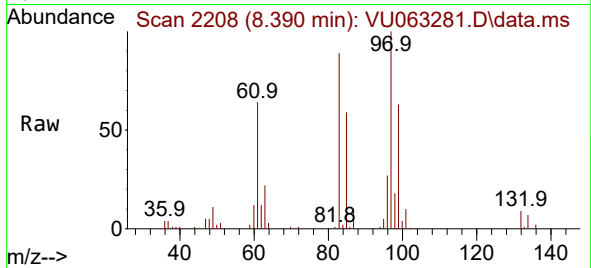


#45
1,1,2-Trichloroethane
Concen: 4.73 ug/L
RT: 8.390 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

Tgt Ion: 97 Resp: 61450

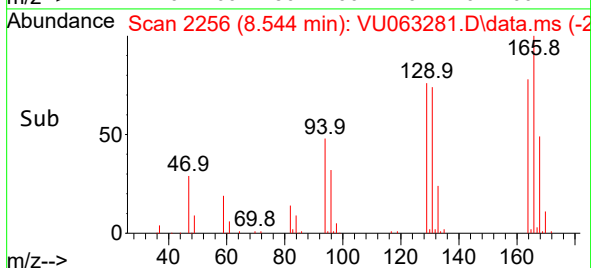
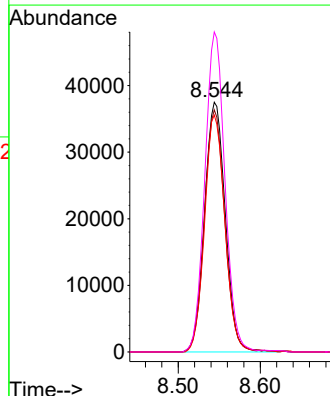
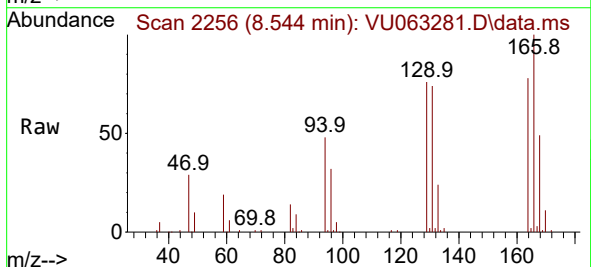
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.2	80.2
83	89.5	63.0	117.0
85	58.9	40.4	75.0

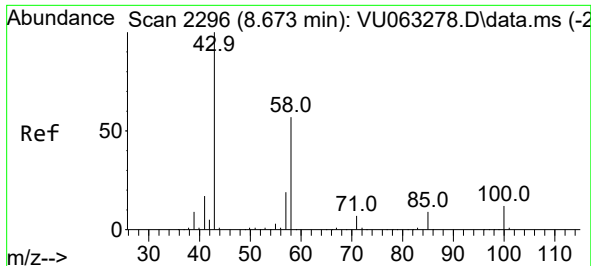


#47
Tetrachloroethene
Concen: 5.27 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion: 164 Resp: 65621

Ion	Ratio	Lower	Upper
164	100		
129	96.9	69.6	129.2
131	94.9	67.9	126.1
166	128.1	90.8	168.6



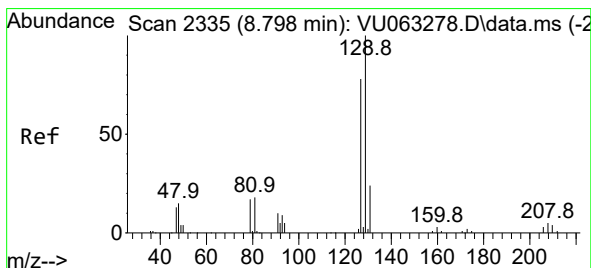
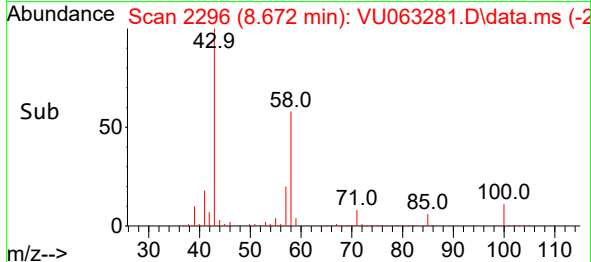
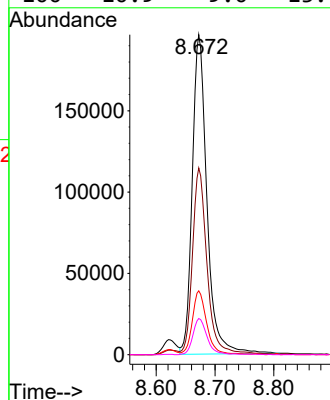
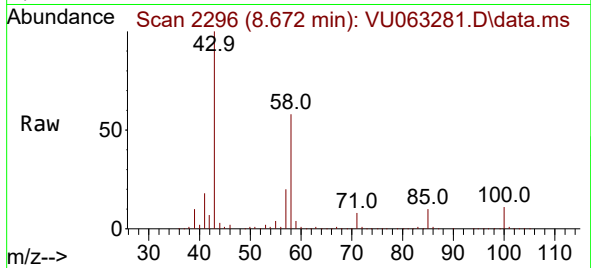


#48
2-Hexanone
Concen: 51.35 ug/L
RT: 8.672 min Scan# 2296
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

Tgt Ion: 43 Resp: 340457

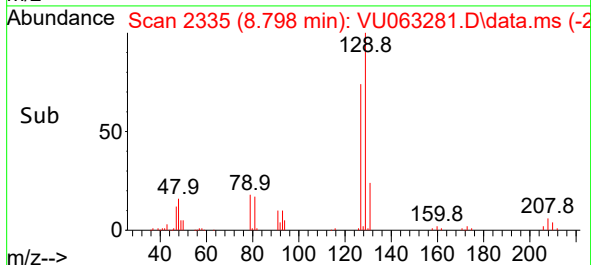
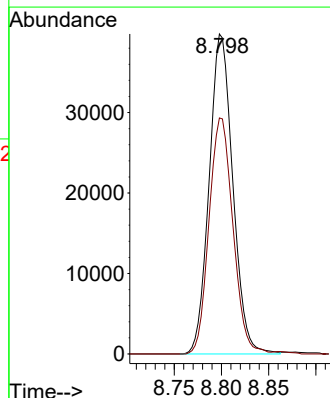
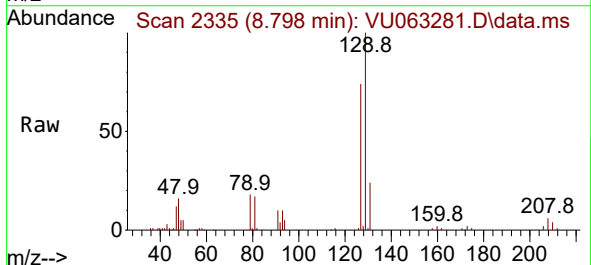
Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.8	68.8
57	19.2	15.5	23.3
100	10.9	9.0	13.4

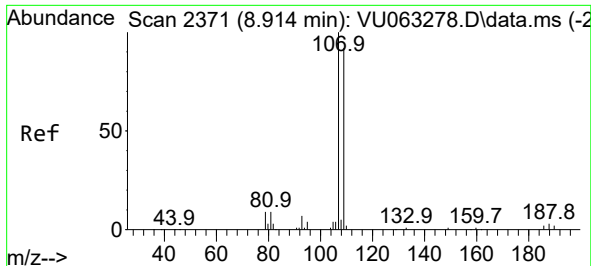


#49
Dibromochloromethane
Concen: 5.01 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion: 129 Resp: 69207

Ion	Ratio	Lower	Upper
129	100		
127	73.7	54.9	102.1

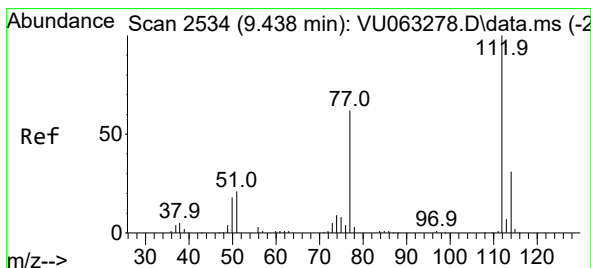
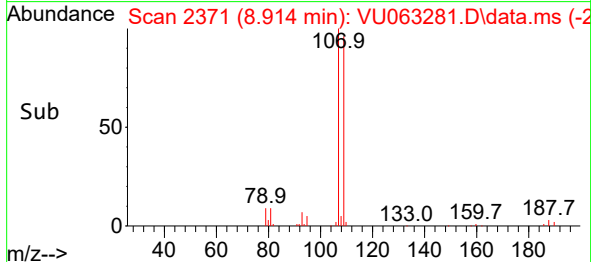
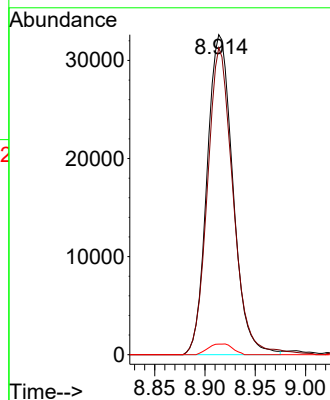
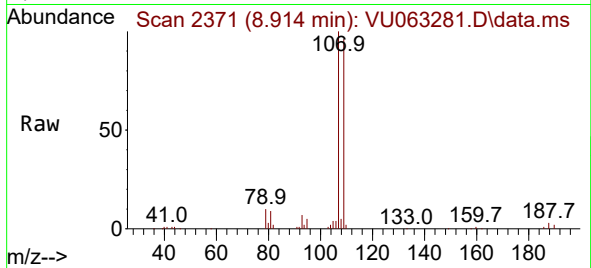




#50
1,2-Dibromoethane
Concen: 4.92 ug/L
RT: 8.914 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

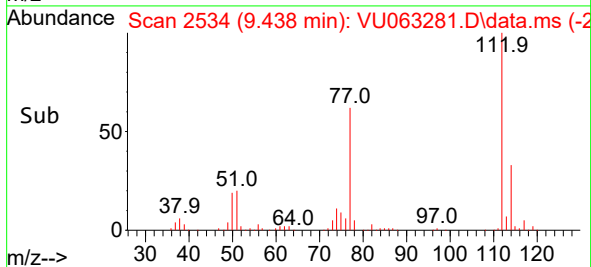
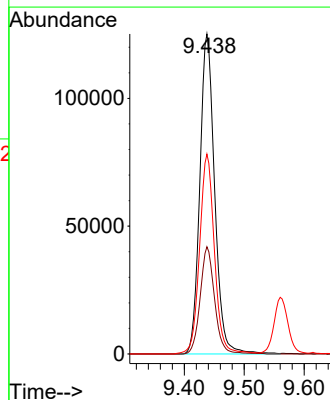
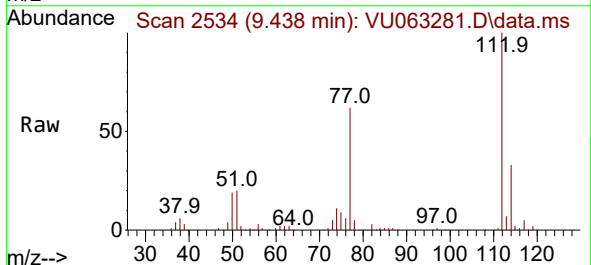
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

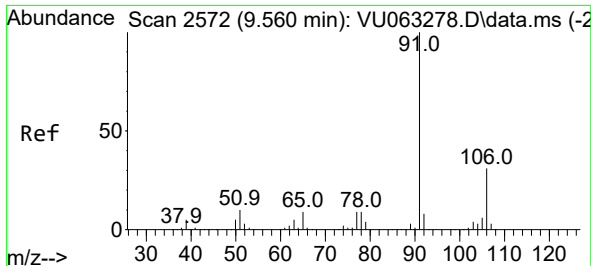
Tgt Ion:107 Resp: 58373
Ion Ratio Lower Upper
107 100
109 95.9 66.6 123.6
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 5.00 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion:112 Resp: 216086
Ion Ratio Lower Upper
112 100
114 33.5 22.2 41.2
77 62.4 49.2 73.8

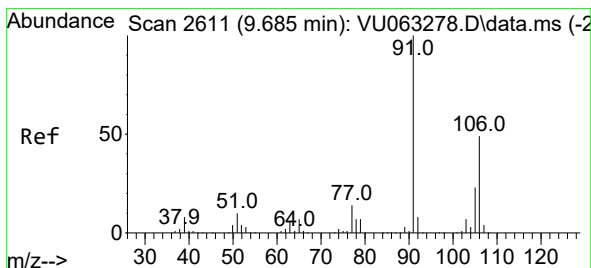
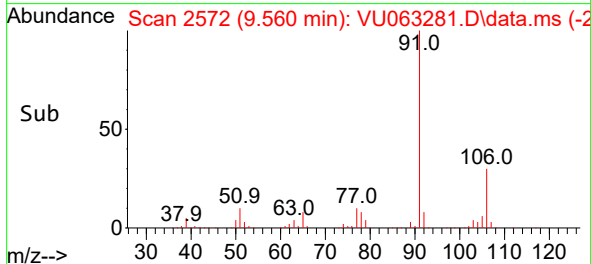
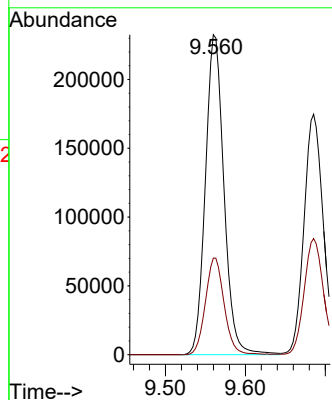
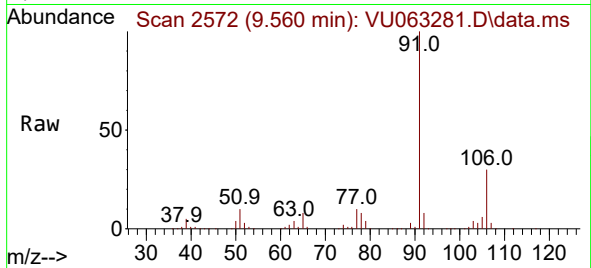




#52
Ethylbenzene
Concen: 5.16 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

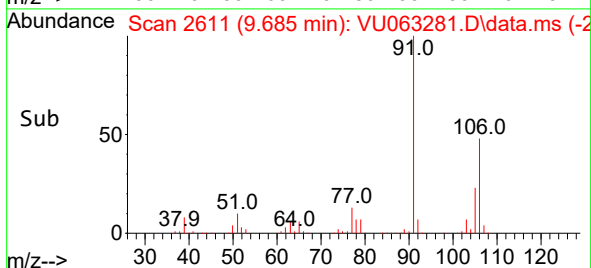
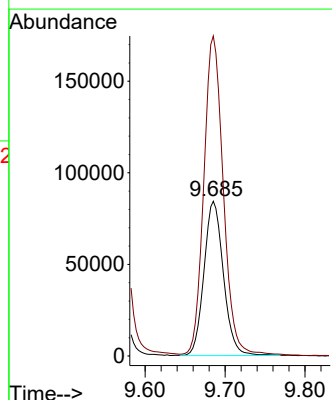
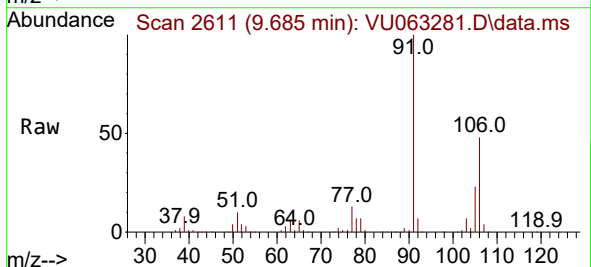
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

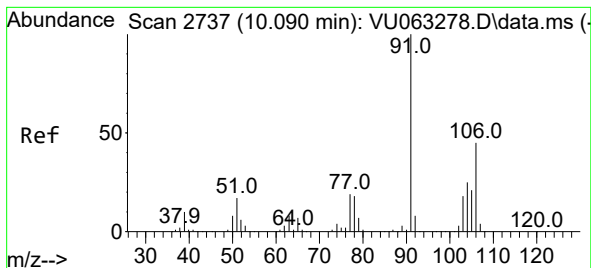
Tgt Ion: 91 Resp: 375755
Ion Ratio Lower Upper
91 100
106 30.2 21.9 40.7



#53
m,p-Xylene
Concen: 5.26 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion: 106 Resp: 142707
Ion Ratio Lower Upper
106 100
91 206.9 143.3 266.1





#54

o-Xylene

Concen: 5.23 ug/L

RT: 10.090 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

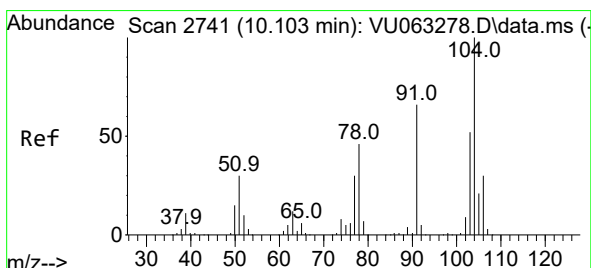
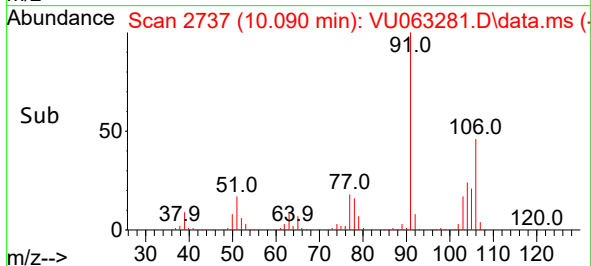
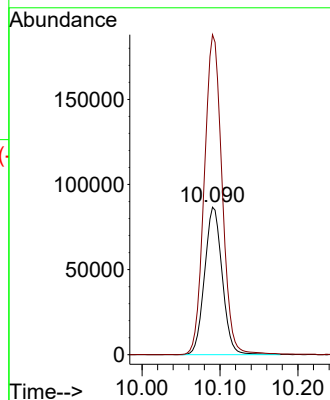
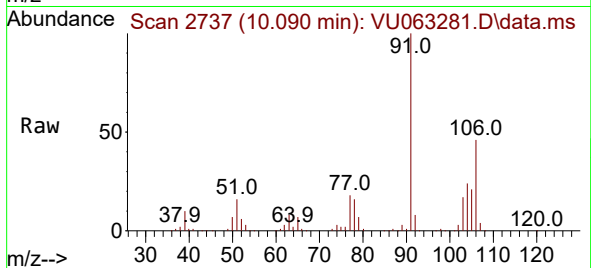
VSTD005139

Tgt Ion:106 Resp: 136302

Ion Ratio Lower Upper

106 100

91 216.8 155.5 288.9



#55

Styrene

Concen: 5.38 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.003 min

Lab File: VU063281.D

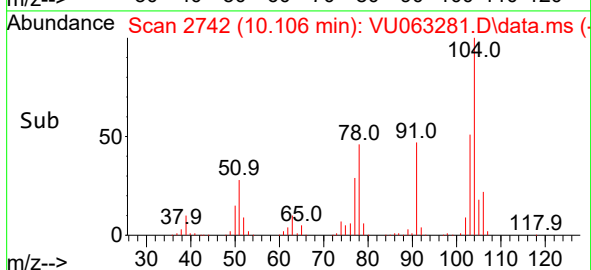
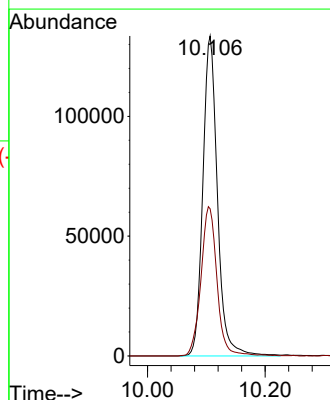
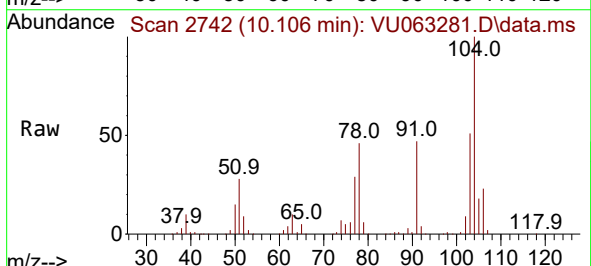
Acq: 13 Mar 2025 13:55

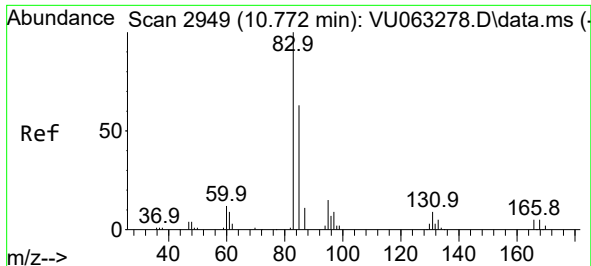
Tgt Ion:104 Resp: 230215

Ion Ratio Lower Upper

104 100

78 46.0 31.6 58.6

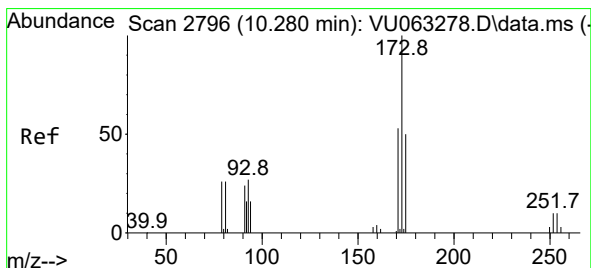
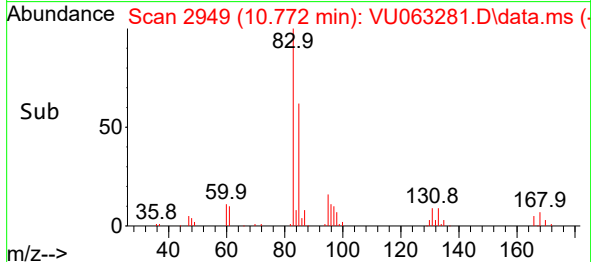
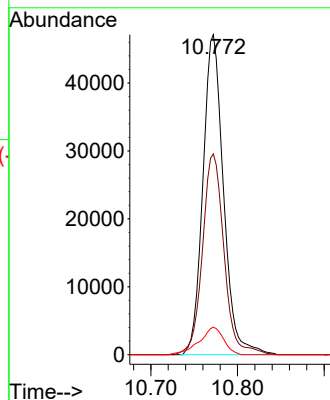
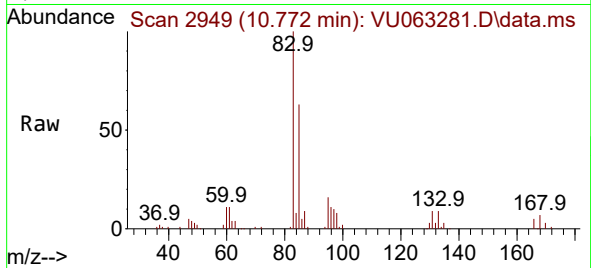




#57
1,1,2,2-Tetrachloroethane
Concen: 4.76 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

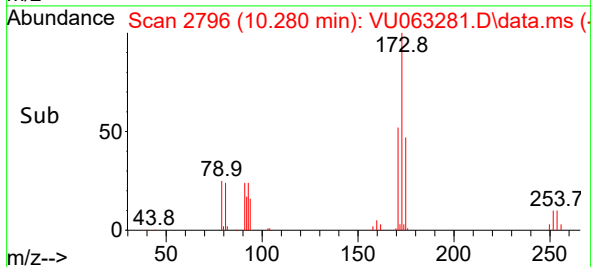
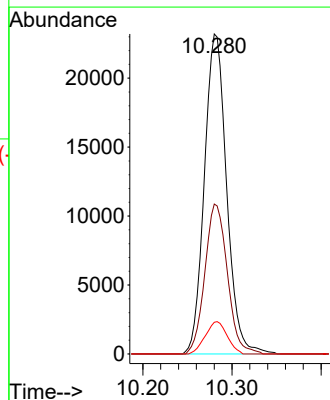
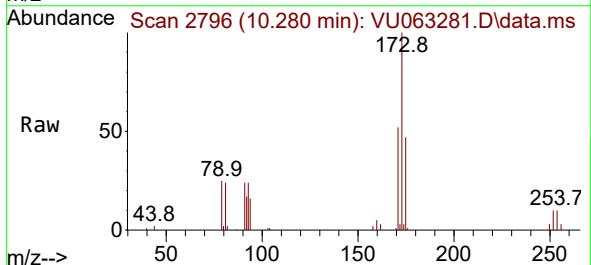
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

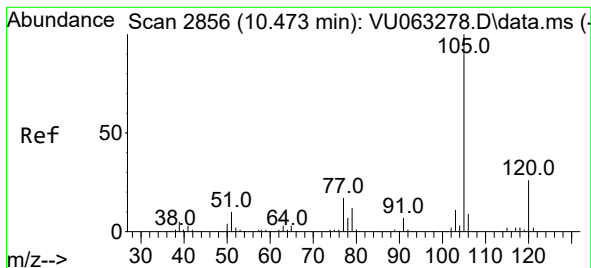
Tgt Ion: 83 Resp: 77815
Ion Ratio Lower Upper
83 100
85 62.8 44.9 83.5
131 8.6 7.2 10.8



#59
Bromoform
Concen: 4.64 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion:173 Resp: 40313
Ion Ratio Lower Upper
173 100
175 47.3 39.4 59.0
254 9.9 7.2 10.8





#60

Isopropylbenzene

Concen: 5.12 ug/L

RT: 10.476 min Scan# 2856

Delta R.T. 0.003 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

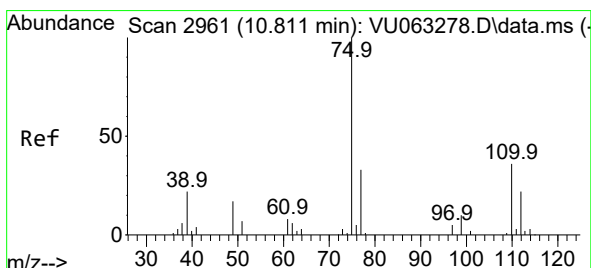
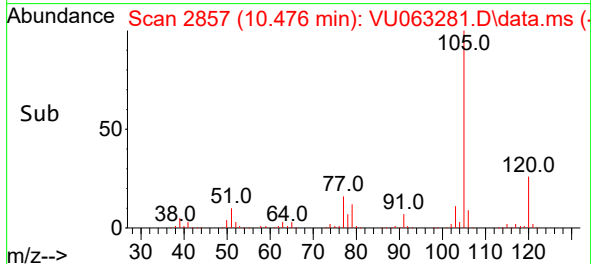
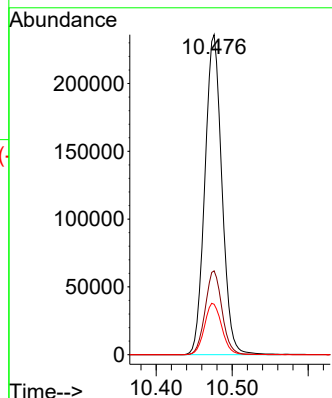
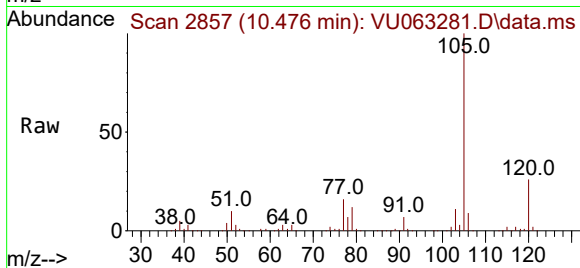
Tgt Ion:105 Resp: 367050

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 16.4 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.56 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.003 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

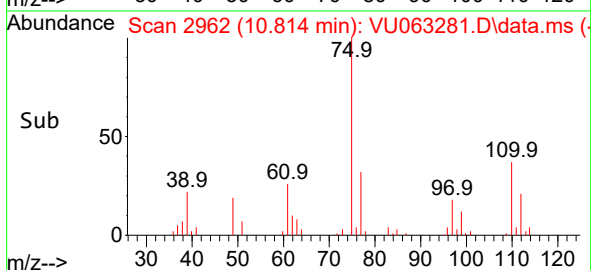
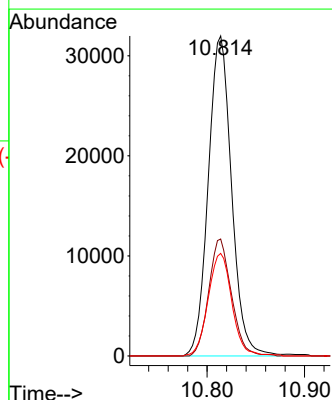
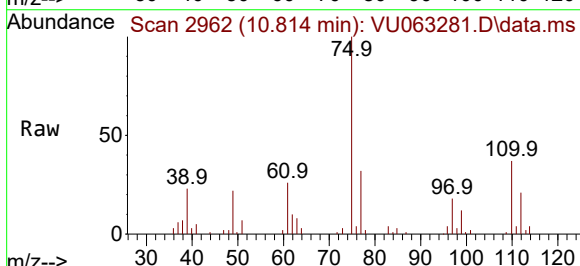
Tgt Ion: 75 Resp: 53080

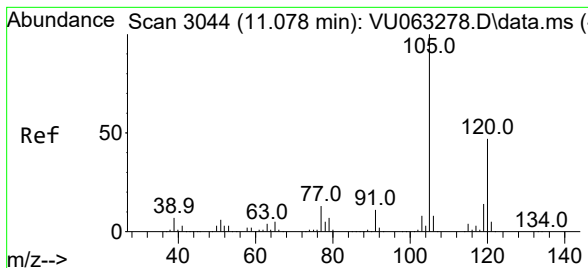
Ion Ratio Lower Upper

75 100

110 35.7 29.3 43.9

77 32.7 25.8 38.8





#62

1,3,5-Trimethylbenzene

Concen: 5.18 ug/L

RT: 11.081 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

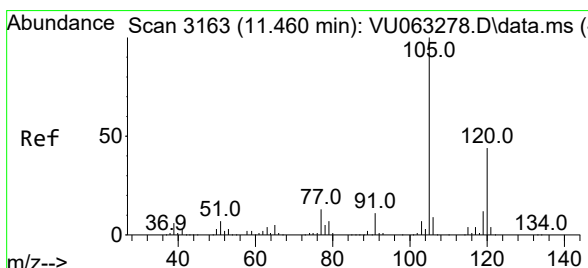
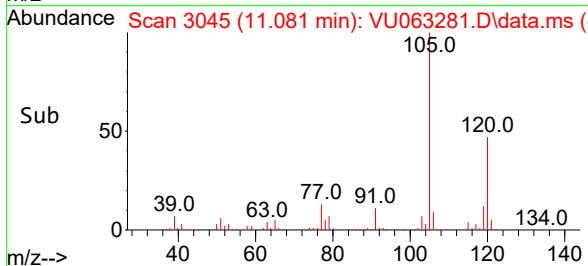
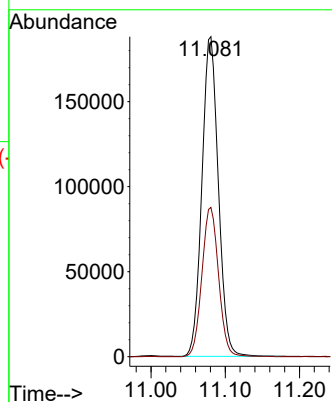
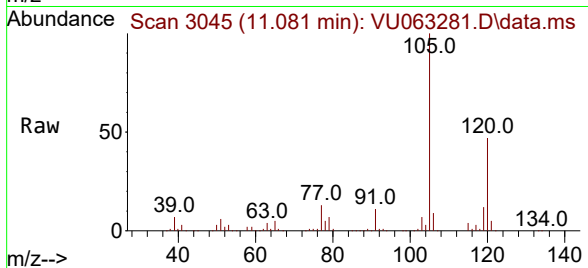
VSTD005139

Tgt Ion:105 Resp: 288652

Ion Ratio Lower Upper

105 100

120 47.4 37.5 56.3



#63

1,2,4-Trimethylbenzene

Concen: 5.34 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU063281.D

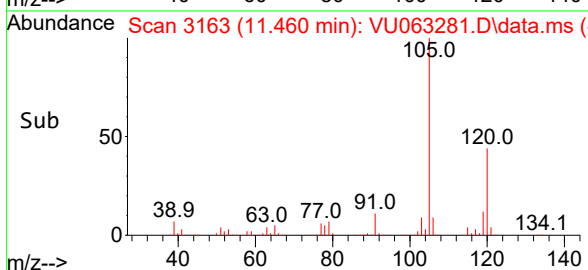
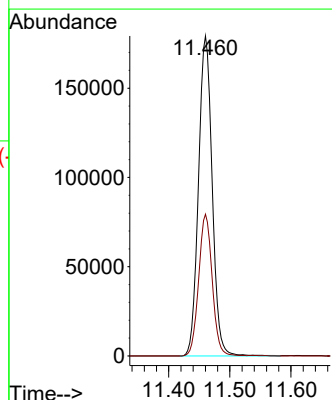
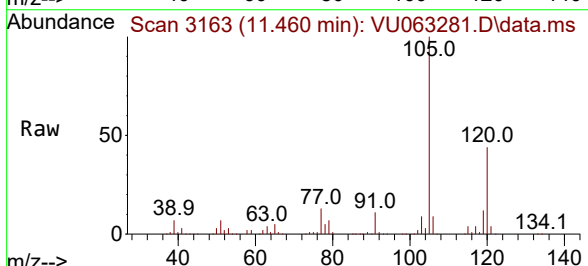
Acq: 13 Mar 2025 13:55

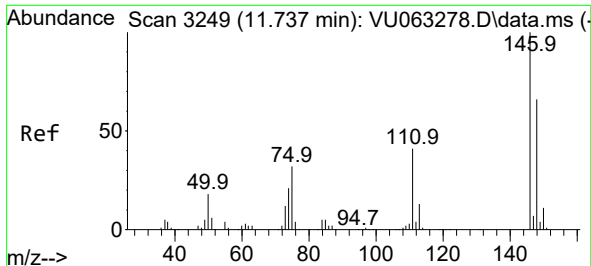
Tgt Ion:105 Resp: 279284

Ion Ratio Lower Upper

105 100

120 43.8 35.1 52.7

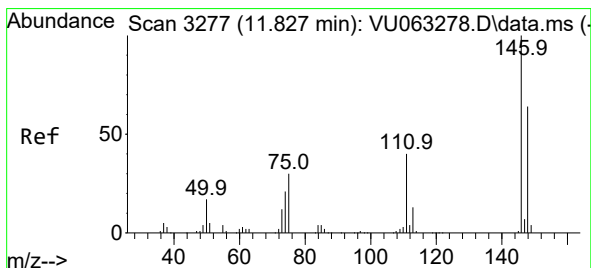
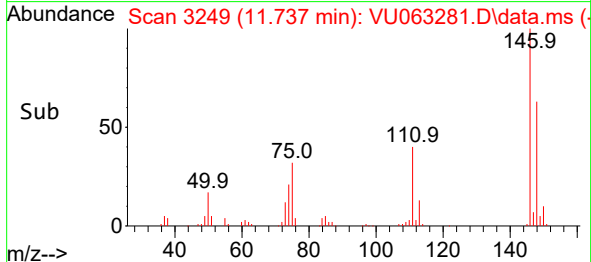
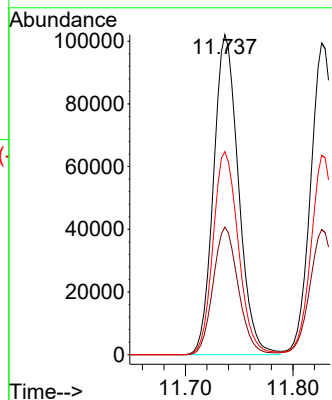
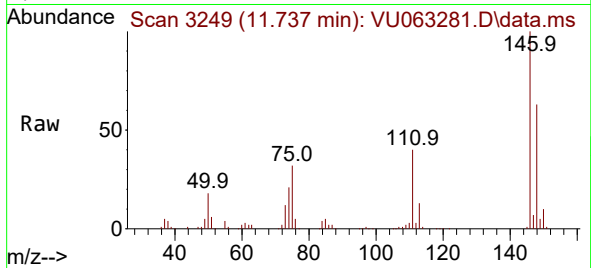




#64
1,3-Dichlorobenzene
Concen: 4.94 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

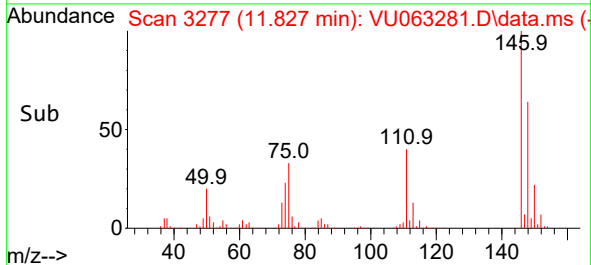
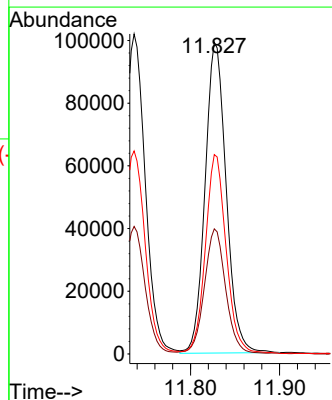
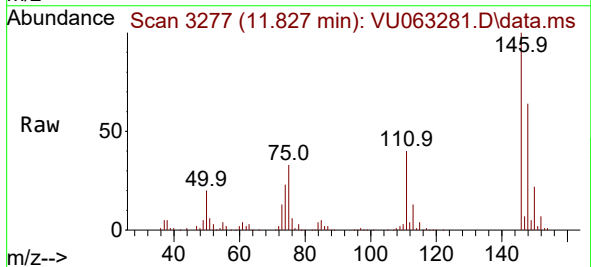
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

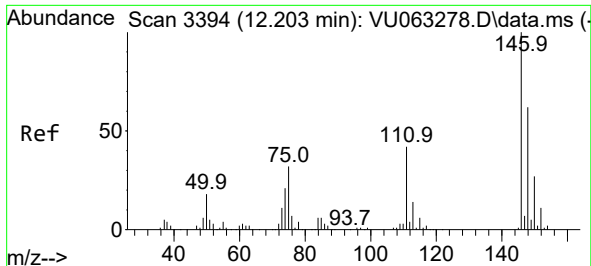
Tgt Ion:146 Resp: 164849
Ion Ratio Lower Upper
146 100
111 39.9 28.5 52.9
148 63.5 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 4.90 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VU063281.D
Acq: 13 Mar 2025 13:55

Tgt Ion:146 Resp: 162845
Ion Ratio Lower Upper
146 100
111 40.1 28.3 52.5
148 64.0 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 4.90 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

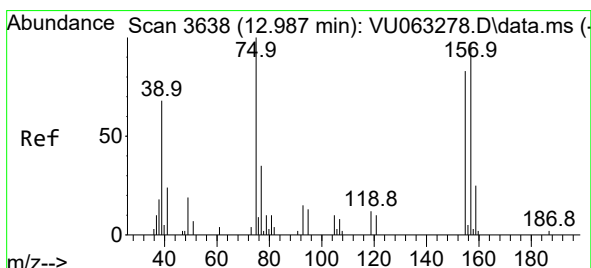
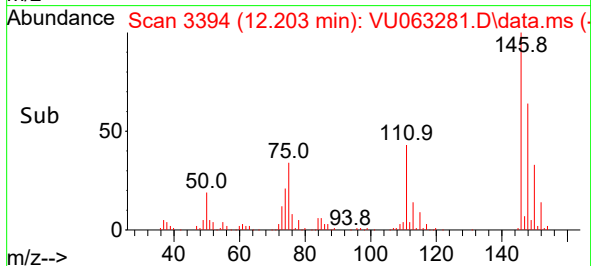
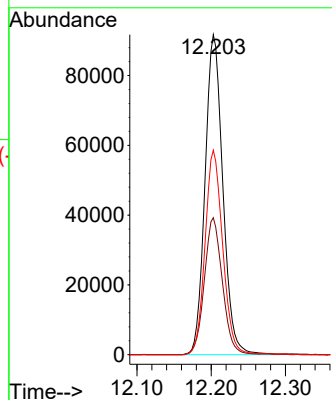
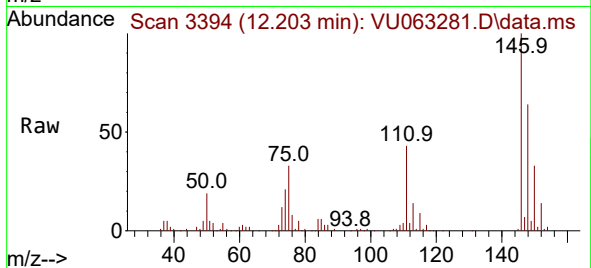
Tgt Ion:146 Resp: 152695

Ion Ratio Lower Upper

146 100

111 42.8 33.9 50.9

148 63.9 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.02 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

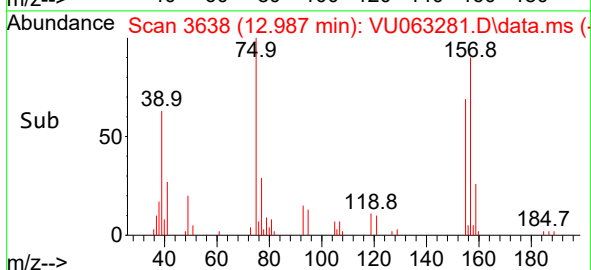
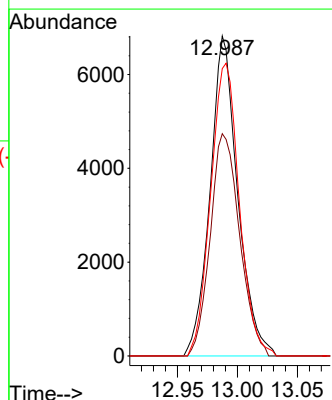
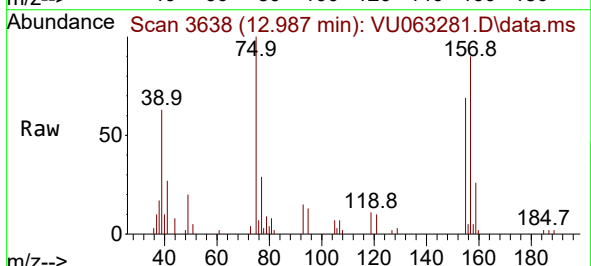
Tgt Ion: 75 Resp: 10912

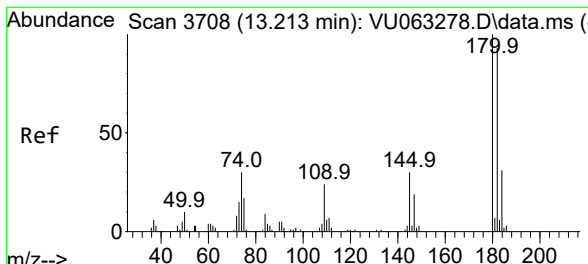
Ion Ratio Lower Upper

75 100

155 69.4 67.0 100.6

157 89.8 80.9 121.3

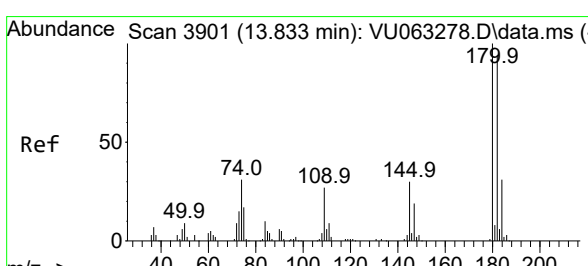
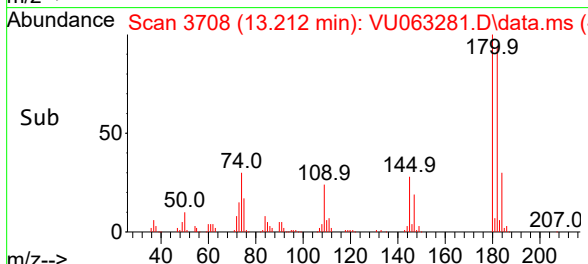
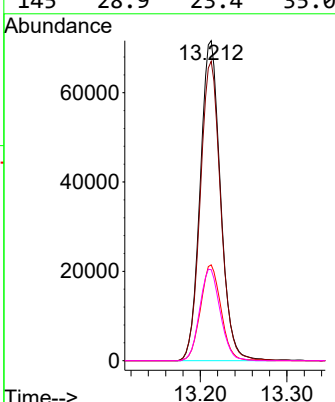
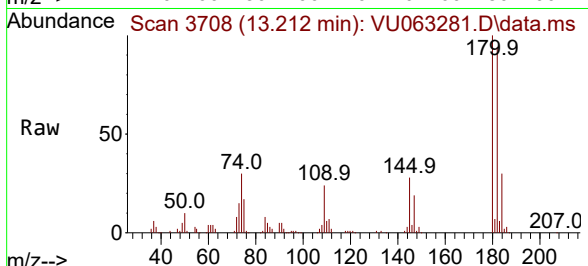




#69
 1,3,5-Trichlorobenzene
 Concen: 5.05 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063281.D
 Acq: 13 Mar 2025 13:55

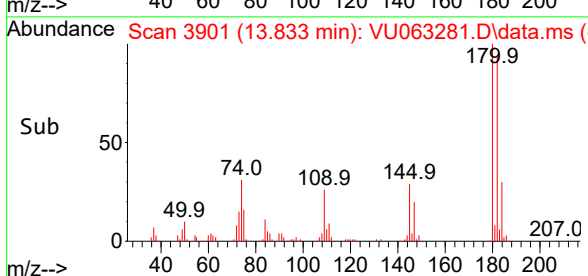
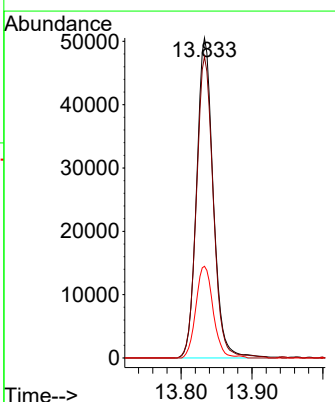
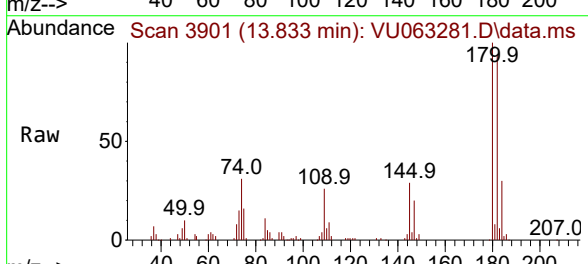
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005139

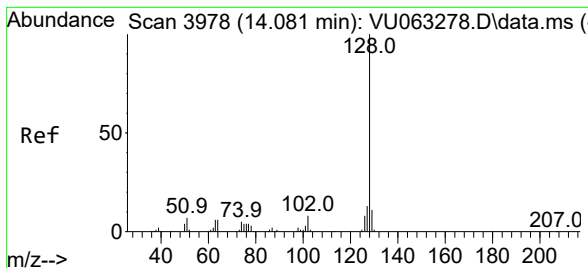
Tgt Ion:	180	Resp:	116389
Ion Ratio	Lower	Upper	
180	100		
182	94.5	77.6	116.4
184	30.3	24.7	37.1
145	28.9	23.4	35.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.00 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.000 min
 Lab File: VU063281.D
 Acq: 13 Mar 2025 13:55

Tgt Ion:	180	Resp:	82308
Ion Ratio	Lower	Upper	
180	100		
182	95.2	75.8	113.8
145	29.6	23.8	35.8





#71

Naphthalene

Concen: 4.84 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

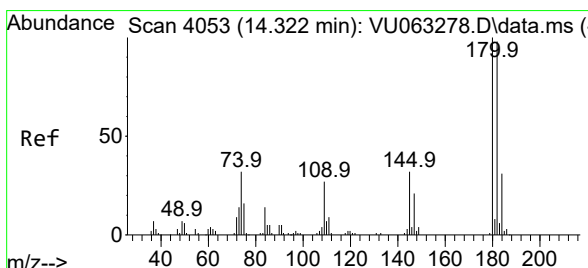
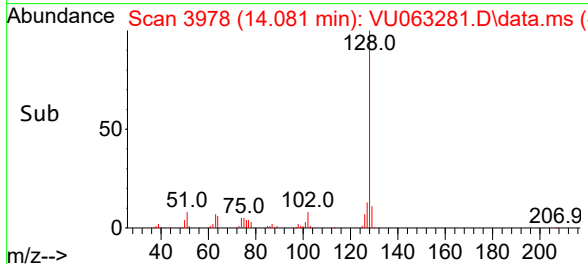
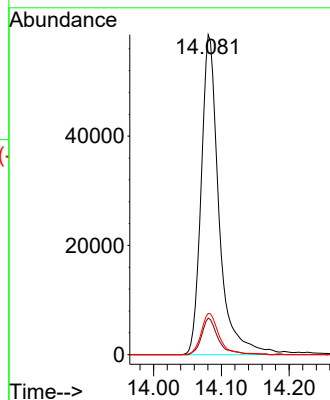
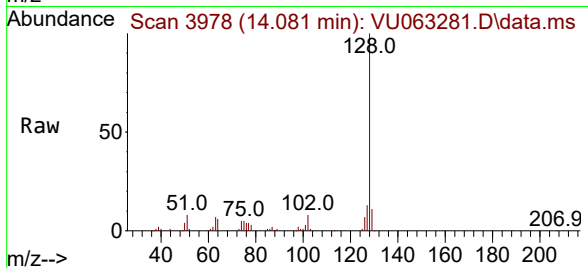
Tgt Ion:128 Resp: 106629

Ion Ratio Lower Upper

128 100

129 10.8 8.1 12.1

127 13.1 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 5.13 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU063281.D

Acq: 13 Mar 2025 13:55

Tgt Ion:180 Resp: 72598

Ion Ratio Lower Upper

180 100

182 92.7 76.7 115.1

145 31.5 25.5 38.3

