

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022125\
 Data File : VU063273.D
 Acq On : 21 Feb 2025 14:02
 Operator : MD/SY
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005008

Quant Time: Feb 24 11:16:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Feb 24 11:14:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	196969	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	191110	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	90402	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	83543	6.72	ug/L	0.00
7) Chloroethane-d5	1.901	69	67544	6.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	65	33428	6.21	ug/L	0.00
20) 2-Butanone-d5	4.605	46	179065	48.73	ug/L	0.00
24) Chloroform-d	5.049	84	152311	5.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.688	65	75306	5.67	ug/L	0.00
32) Benzene-d6	5.714	84	306374	5.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	95714	5.63	ug/L	0.00
41) Toluene-d8	7.888	98	278050	6.02	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	35599	5.64	ug/L	0.00
46) 2-Hexanone-d5	8.621	63	138202	45.89	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	76877	5.25	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	87418	5.55	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	81962	4.78	ug/L	100
3) Chloromethane	1.515	50	99521	5.21	ug/L	100
5) Vinyl chloride	1.599	62	96983	5.05	ug/L	100
6) Bromomethane	1.843	94	58131	5.82	ug/L	100
8) Chloroethane	1.923	64	58616	5.07	ug/L	100
9) Trichlorofluoromethane	2.129	101	106964	4.99	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	63684	4.84	ug/L	100
12) 1,1-Dichloroethene	2.570	96	67113	5.14	ug/L	100
13) Acetone	2.611	43	112616	48.26	ug/L	100
14) Carbon disulfide	2.782	76	216161	4.78	ug/L	100
15) Methyl Acetate	2.939	43	30254	4.82	ug/L	100
16) Methylene chloride	3.033	84	82036	5.24	ug/L	100
17) Methyl tert-butyl Ether	3.348	73	178912	5.05	ug/L	100
18) trans-1,2-Dichloroethene	3.341	96	70558	5.08	ug/L	100
19) 1,1-Dichloroethane	3.853	63	145758	5.19	ug/L	100
21) 2-Butanone	4.685	43	186270	48.74	ug/L	100
22) cis-1,2-Dichloroethene	4.653	96	84283	5.40	ug/L	100
23) Bromochloromethane	4.962	128	37501	5.37	ug/L	100
25) Chloroform	5.074	83	146406	5.29	ug/L	100
27) 1,2-Dichloroethane	5.782	62	93146	5.16	ug/L	100
29) 1,1,1-Trichloroethane	5.303	97	113279	4.97	ug/L	100
30) Cyclohexane	5.377	56	103562	4.40	ug/L	100
31) Carbon tetrachloride	5.512	117	93405	4.88	ug/L	100
33) Benzene	5.762	78	321877	5.07	ug/L	100
34) Trichloroethene	6.531	95	78172	4.87	ug/L	100
35) Methylcyclohexane	6.750	83	104240	4.42	ug/L	100
37) 1,2-Dichloropropane	6.778	63	85019	5.05	ug/L	100
38) Bromodichloromethane	7.094	83	103987	5.12	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	121472	5.04	ug/L	100
40) 4-Methyl-2-pentanone	7.775	43	472787	48.38	ug/L	100
42) Toluene	7.958	91	331694	5.01	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	101630	5.06	ug/L	100

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 ALS Vial : 5 Sample Multiplier: 1

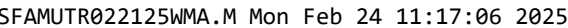
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005008

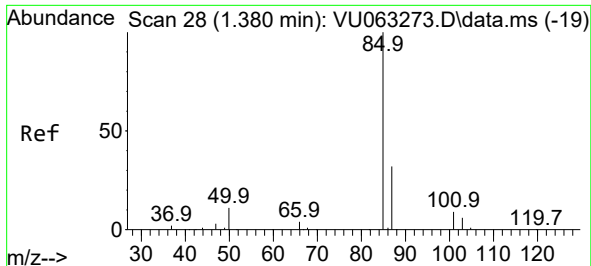
Quant Time: Feb 24 11:16:58 2025
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.389	97	63017	5.08	ug/L	100
47) Tetrachloroethene	8.544	164	54142	4.83	ug/L	100
48) 2-Hexanone	8.672	43	334071	48.68	ug/L	100
49) Dibromochloromethane	8.798	129	65554	5.02	ug/L	100
50) 1,2-Dibromoethane	8.913	107	57523	5.05	ug/L	100
51) Chlorobenzene	9.438	112	196155	4.91	ug/L	100
52) Ethylbenzene	9.560	91	326913	4.77	ug/L	100
53) m,p-Xylene	9.685	106	124783	5.01	ug/L	100
54) o-Xylene	10.090	106	120184	4.89	ug/L	100
55) Styrene	10.106	104	204333	5.05	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	79361	5.00	ug/L	100
59) Bromoform	10.280	173	38538	4.93	ug/L	100
60) Isopropylbenzene	10.473	105	307846	4.78	ug/L	100
61) 1,2,3-Trichloropropane	10.810	75	52333	4.79	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	241946	4.78	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	225655	4.68	ug/L	100
64) 1,3-Dichlorobenzene	11.736	146	142640	4.86	ug/L	100
65) 1,4-Dichlorobenzene	11.826	146	141129	4.79	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	134981	4.91	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	10198	4.70	ug/L	100
69) 1,3,5-Trichlorobenzene	13.212	180	92613	4.66	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	66037	4.29	ug/L	100
71) Naphthalene	14.084	128	90120	3.65	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	57962	4.24	ug/L	100

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

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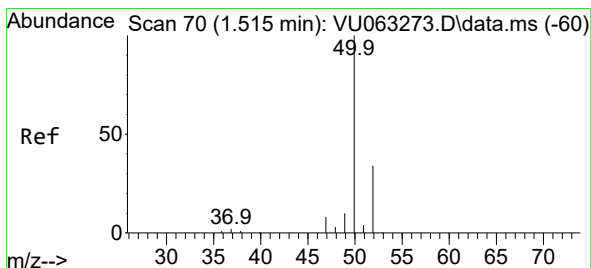
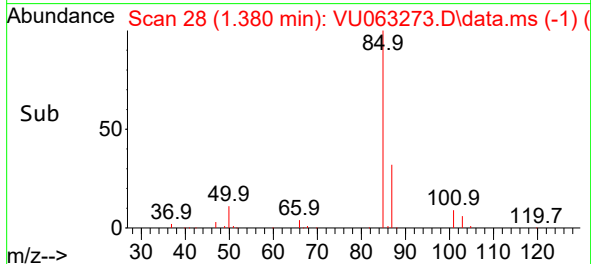
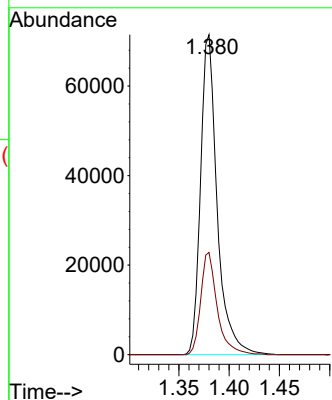
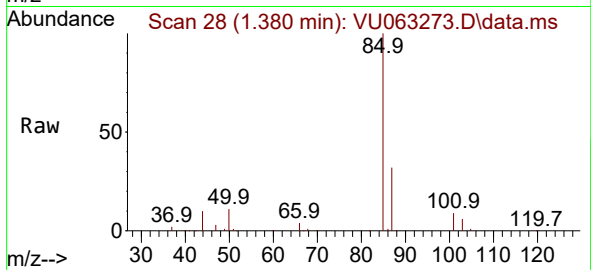




#2
 Dichlorodifluoromethane
 Concen: 4.78 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063273.D
 Acq: 21 Feb 2025 14:02

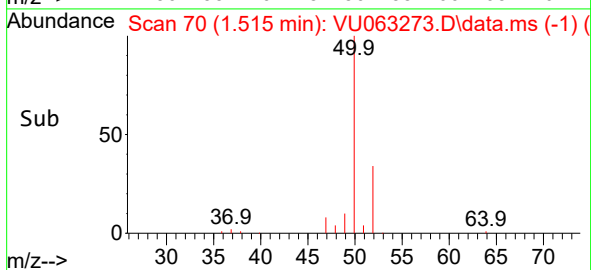
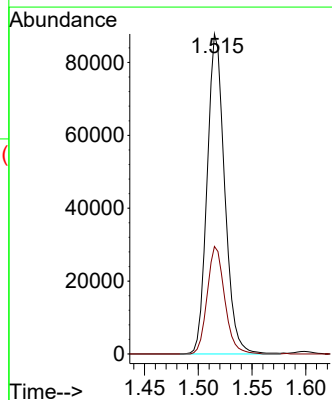
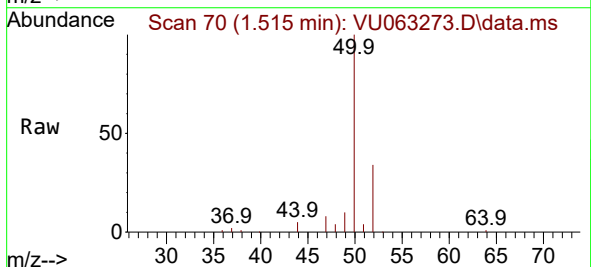
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005008

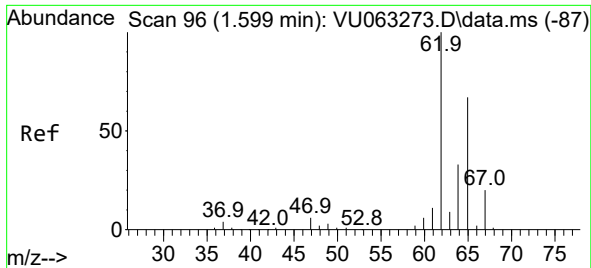
Tgt Ion: 85 Resp: 81962
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.5 38.3



#3
 Chloromethane
 Concen: 5.21 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063273.D
 Acq: 21 Feb 2025 14:02

Tgt Ion: 50 Resp: 99521
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.5 43.7

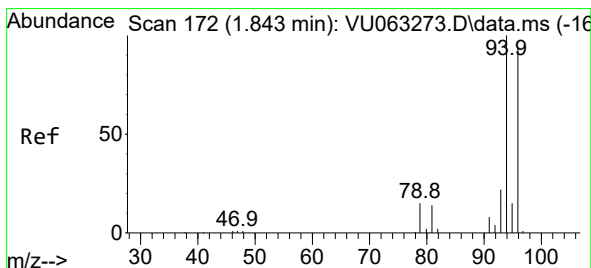
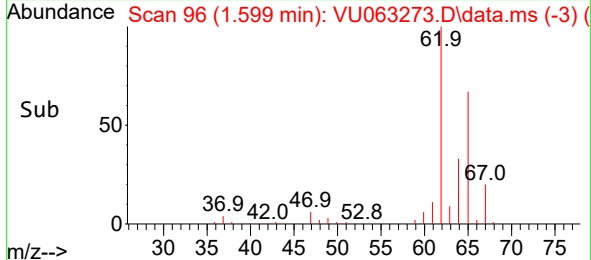
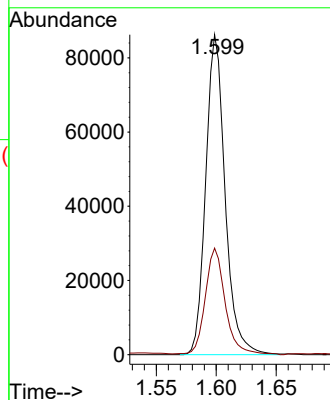
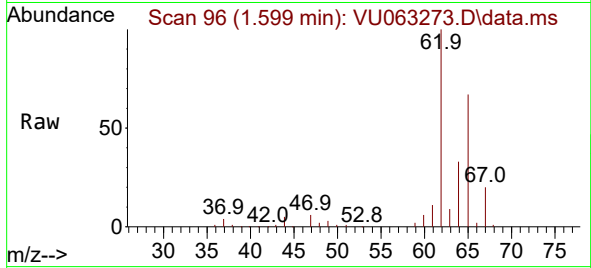




#5
 Vinyl chloride
 Concen: 5.05 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063273.D
 Acq: 21 Feb 2025 14:02

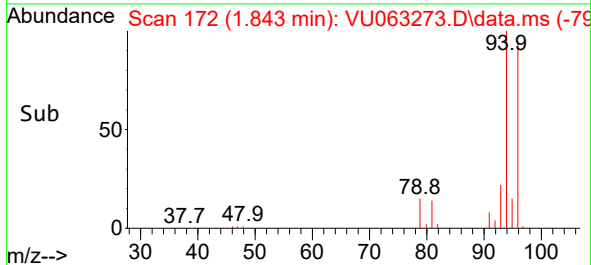
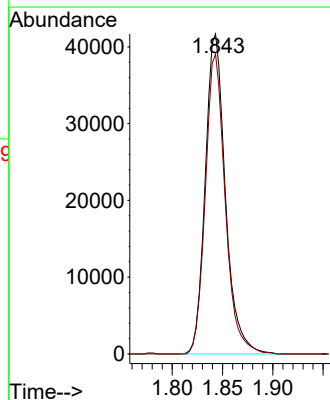
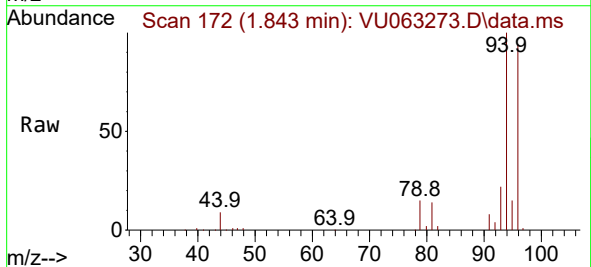
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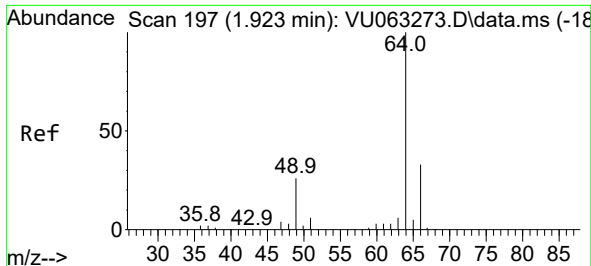
Tgt Ion: 62 Resp: 96983
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.3 43.3



#6
 Bromomethane
 Concen: 5.82 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VU063273.D
 Acq: 21 Feb 2025 14:02

Tgt Ion: 94 Resp: 58131
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.6 121.8





#8

Chloroethane

Concen: 5.07 ug/L

RT: 1.923 min Scan# 197

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

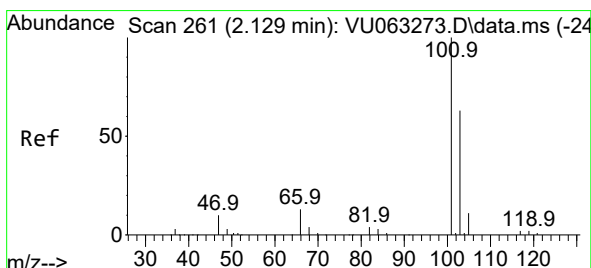
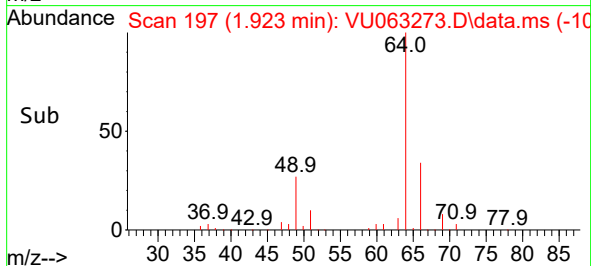
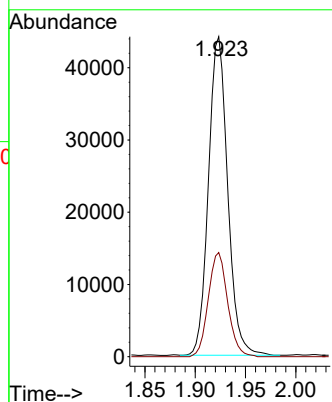
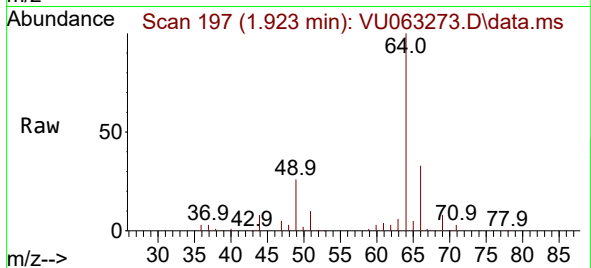
VSTD005008

Tgt Ion: 64 Resp: 58616

Ion Ratio Lower Upper

64 100

66 32.5 22.7 42.3



#9

Trichlorofluoromethane

Concen: 4.99 ug/L

RT: 2.129 min Scan# 261

Delta R.T. 0.000 min

Lab File: VU063273.D

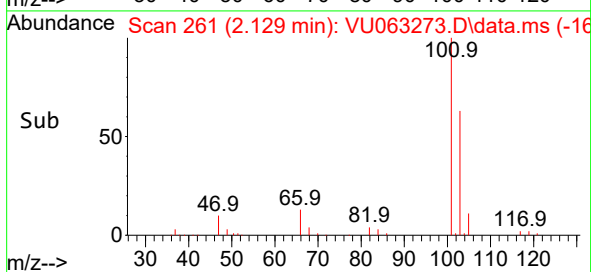
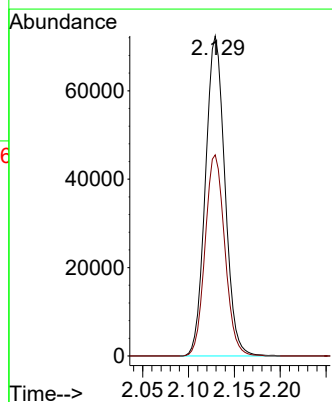
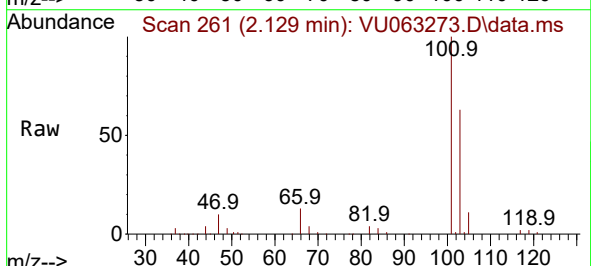
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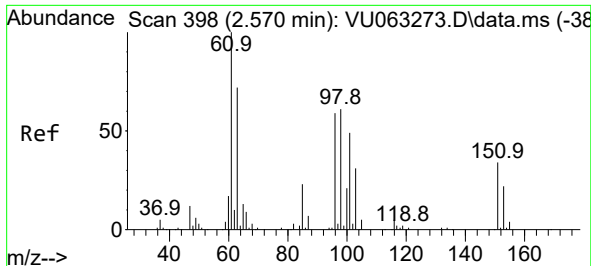
Tgt Ion:101 Resp: 106964

Ion Ratio Lower Upper

101 100

103 63.5 50.8 76.2

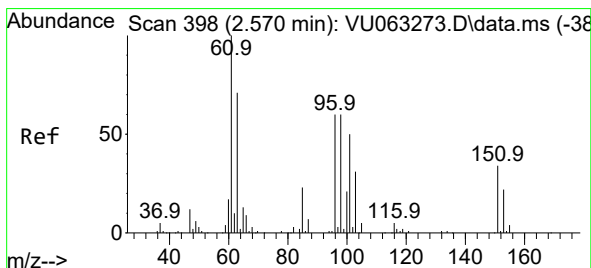
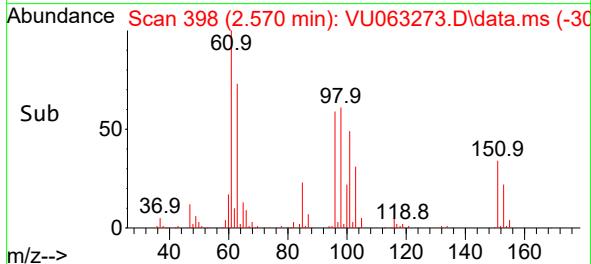
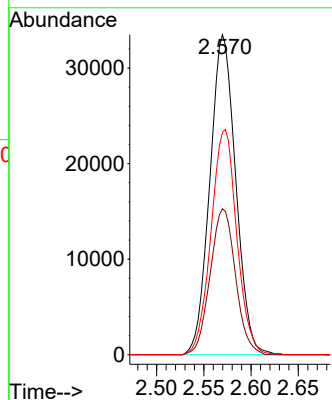
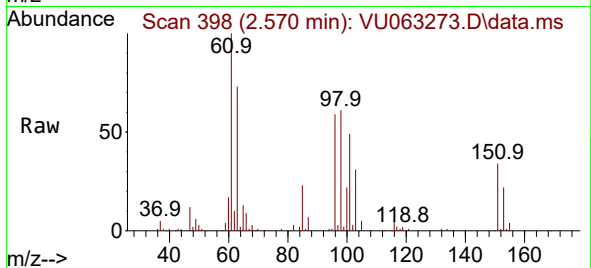




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.84 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

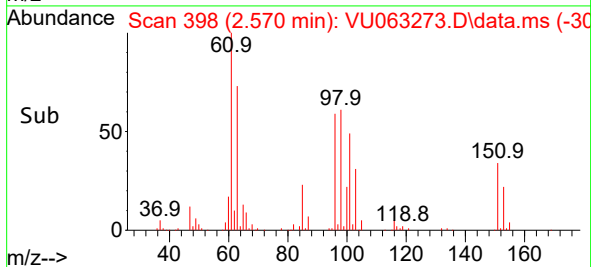
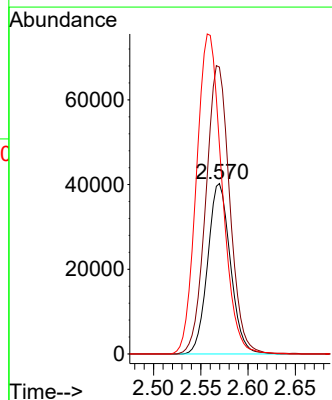
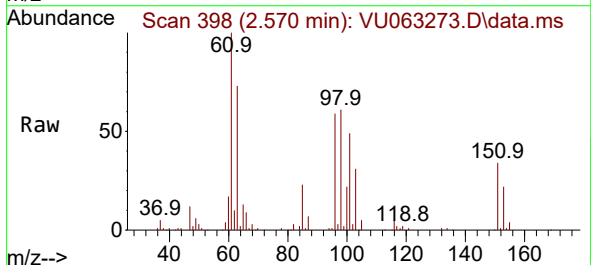
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

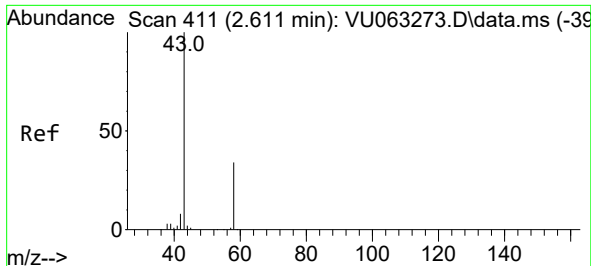
Tgt Ion: 101 Resp: 63684
Ion Ratio Lower Upper
101 100
85 44.7 35.8 53.6
151 70.5 56.4 84.6



#12
1,1-Dichloroethene
Concen: 5.14 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion: 96 Resp: 67113
Ion Ratio Lower Upper
96 100
61 168.3 117.8 218.8
63 122.8 86.0 159.6





#13

Acetone

Concen: 48.26 ug/L

RT: 2.611 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

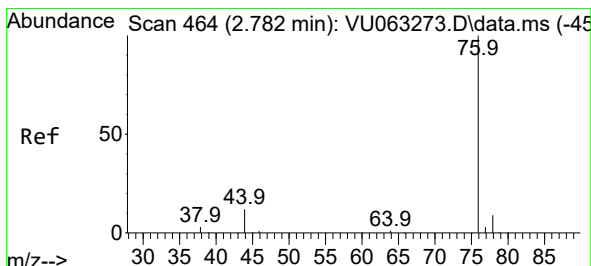
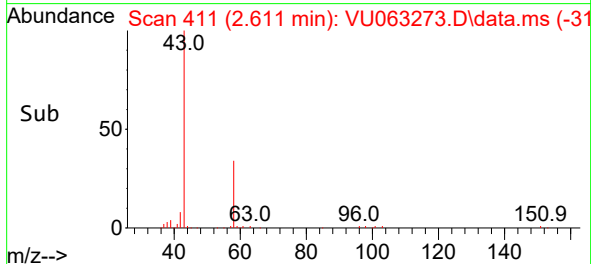
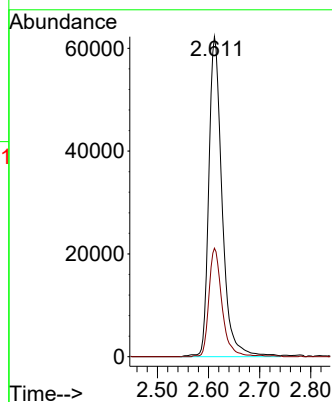
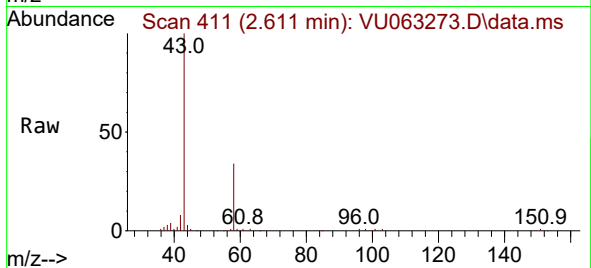
VSTD005008

Tgt Ion: 43 Resp: 112616

Ion Ratio Lower Upper

43 100

58 33.4 0.0 66.8



#14

Carbon disulfide

Concen: 4.78 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063273.D

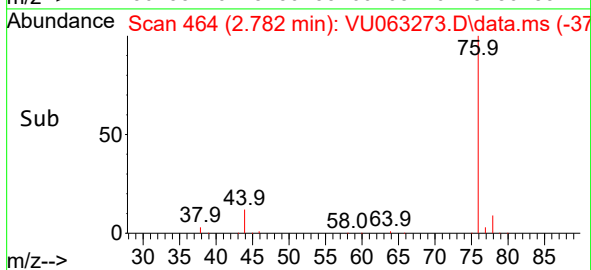
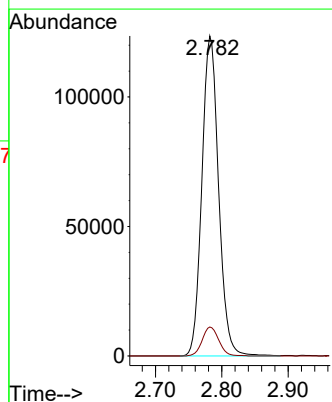
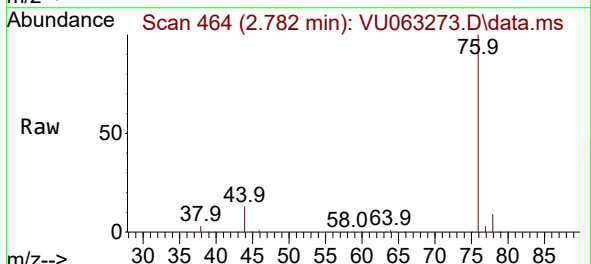
Acq: 21 Feb 2025 14:02

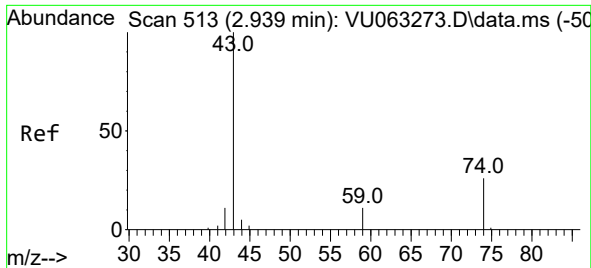
Tgt Ion: 76 Resp: 216161

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

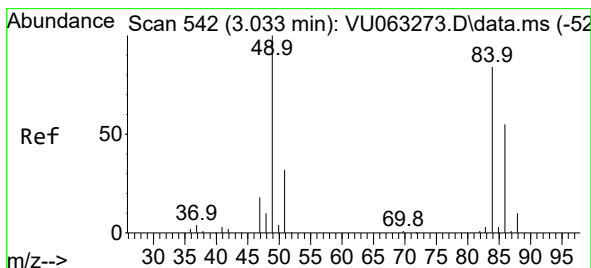
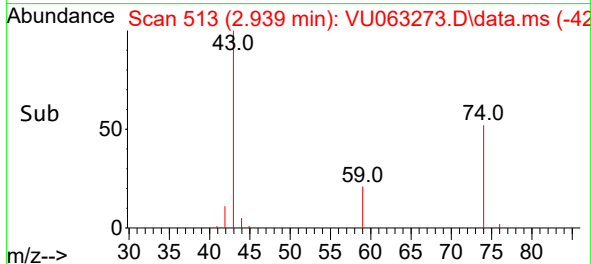
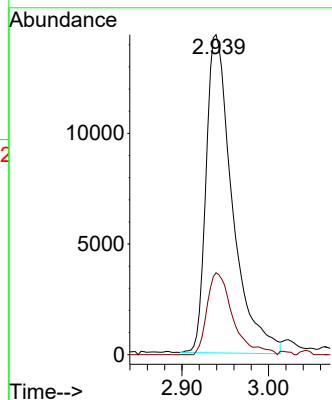
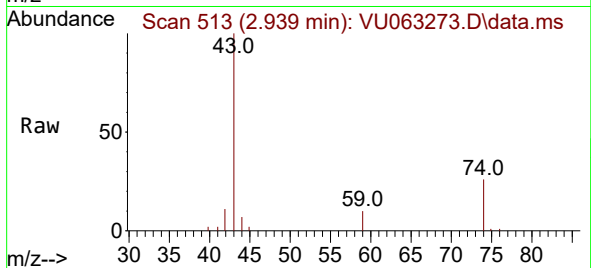




#15
Methyl Acetate
Concen: 4.82 ug/L
RT: 2.939 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

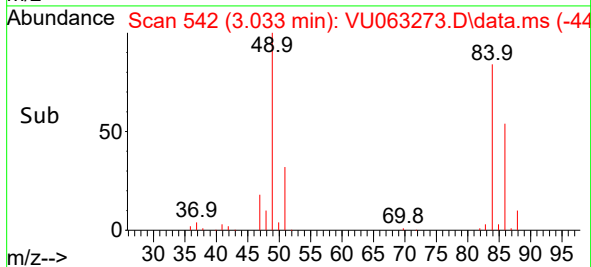
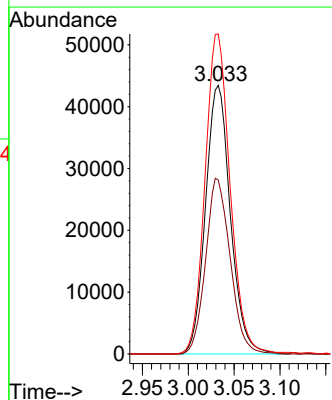
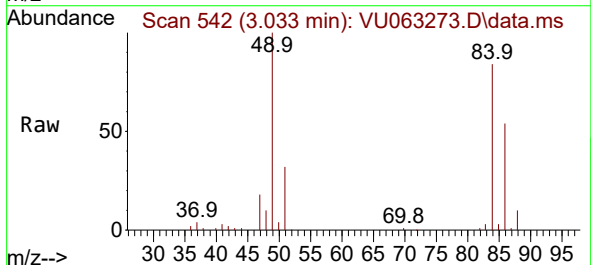
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

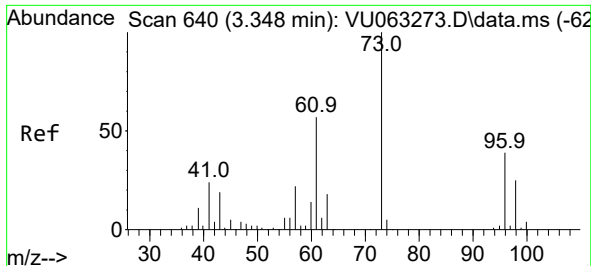
Tgt Ion: 43 Resp: 30254
Ion Ratio Lower Upper
43 100
74 25.2 20.2 30.2



#16
Methylene chloride
Concen: 5.24 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion: 84 Resp: 82036
Ion Ratio Lower Upper
84 100
86 64.7 45.3 84.1
49 119.1 83.4 154.8





#17

Methyl tert-butyl Ether

Concen: 5.05 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005008

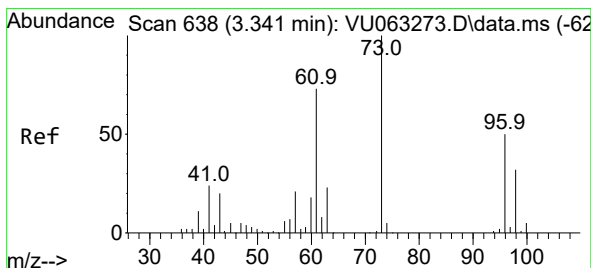
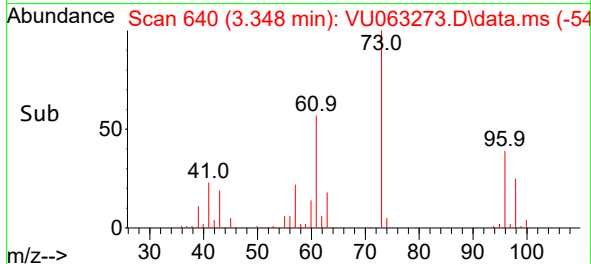
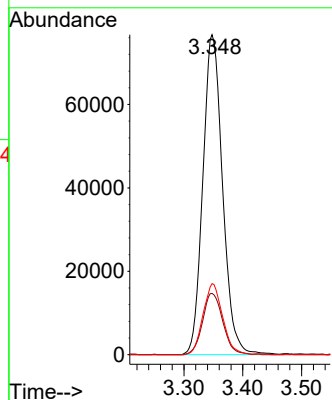
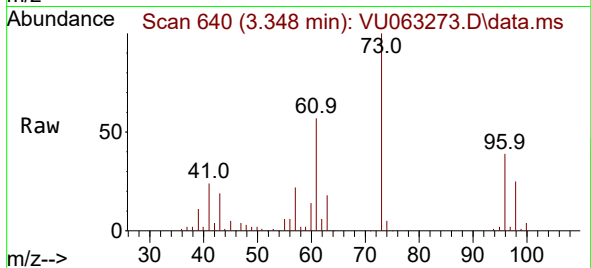
Tgt Ion: 73 Resp: 178912

Ion Ratio Lower Upper

73 100

43 19.6 15.7 23.5

57 22.0 17.6 26.4



#18

trans-1,2-Dichloroethene

Concen: 5.08 ug/L

RT: 3.341 min Scan# 638

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

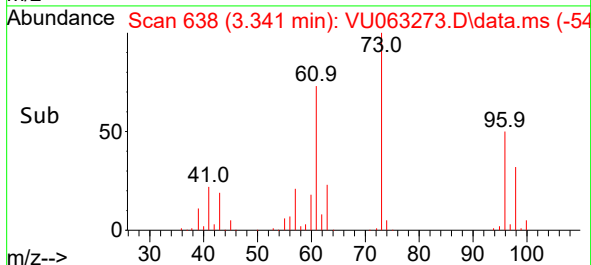
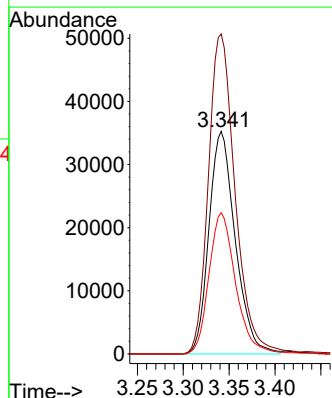
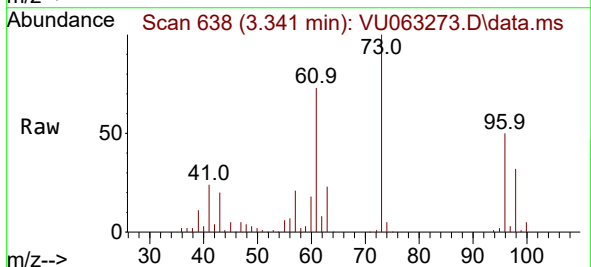
Tgt Ion: 96 Resp: 70558

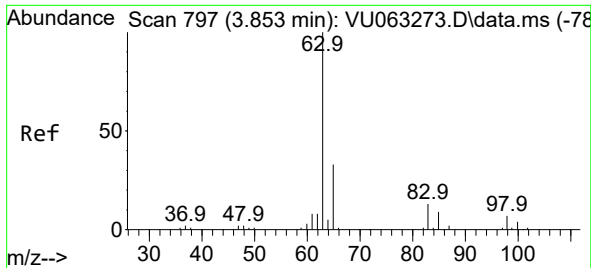
Ion Ratio Lower Upper

96 100

61 143.8 100.7 186.9

98 63.5 44.4 82.5

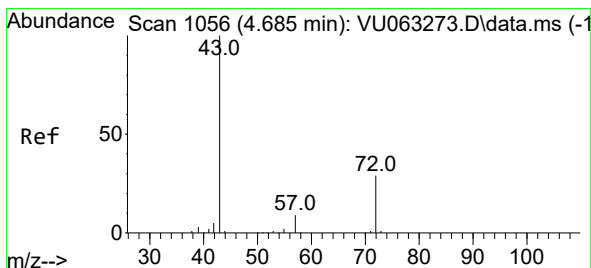
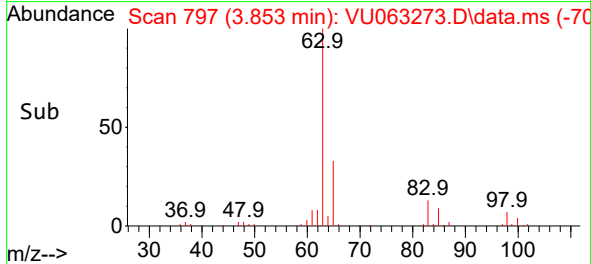
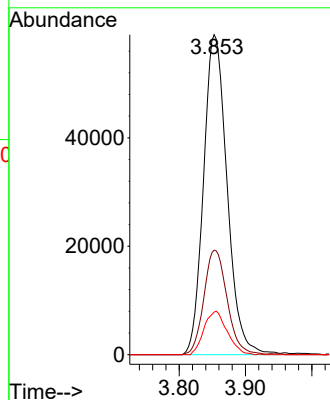
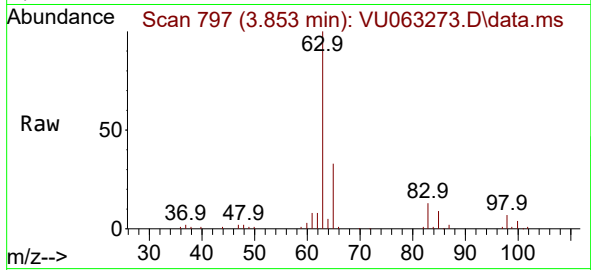




#19
1,1-Dichloroethane
Concen: 5.19 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

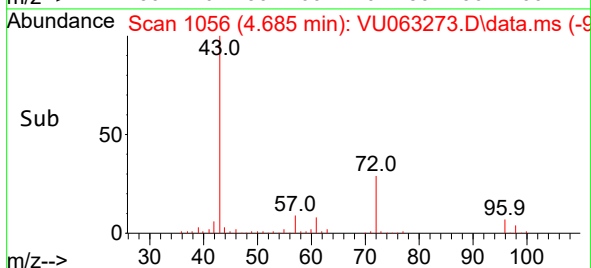
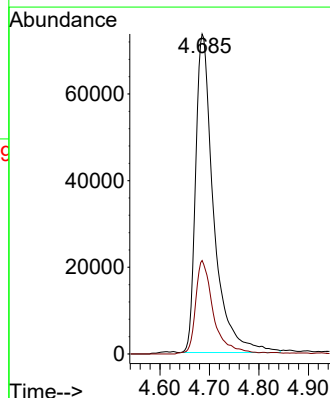
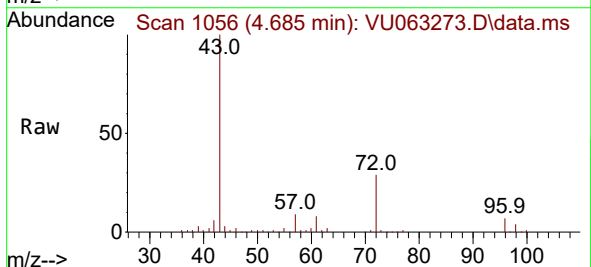
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

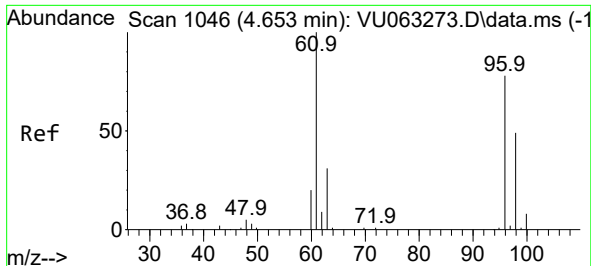
Tgt Ion:	63	Resp:	145758
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.8	42.4
83	13.3	9.3	17.3



#21
2-Butanone
Concen: 48.74 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion:	43	Resp:	186270
Ion	Ratio	Lower	Upper
43	100		
72	29.0	14.5	43.5

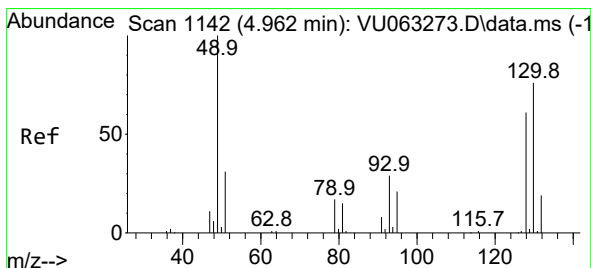
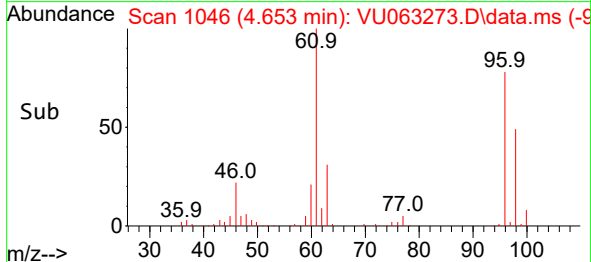
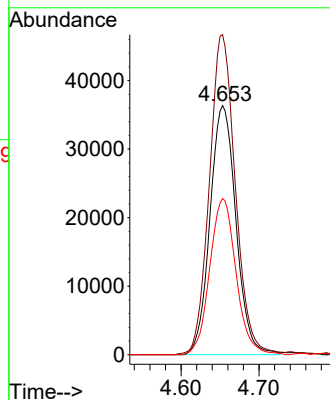
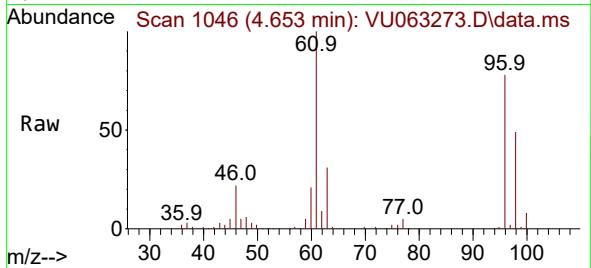




#22
 cis-1,2-Dichloroethene
 Concen: 5.40 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. 0.000 min
 Lab File: VU063273.D
 Acq: 21 Feb 2025 14:02

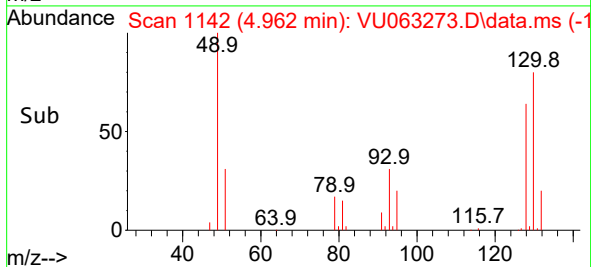
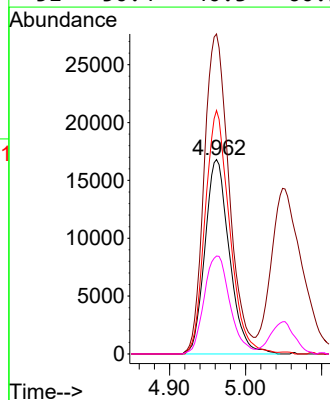
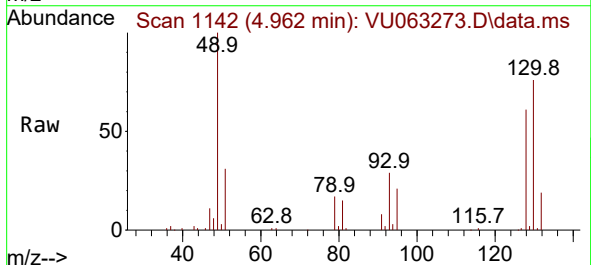
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005008

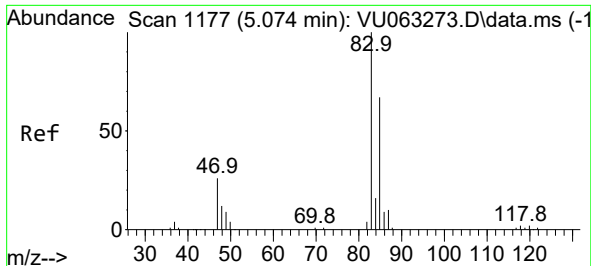
Tgt Ion: 96 Resp: 84283
 Ion Ratio Lower Upper
 96 100
 61 128.5 89.9 167.0
 98 62.6 43.8 81.4



#23
 Bromochloromethane
 Concen: 5.37 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VU063273.D
 Acq: 21 Feb 2025 14:02

Tgt Ion: 128 Resp: 37501
 Ion Ratio Lower Upper
 128 100
 49 164.5 115.1 213.8
 130 125.2 87.6 162.8
 51 50.4 40.3 60.5

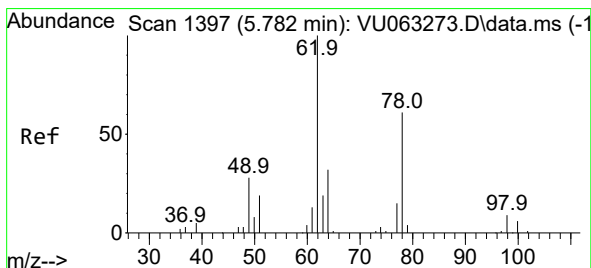
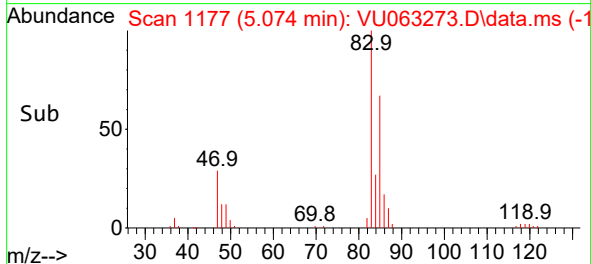
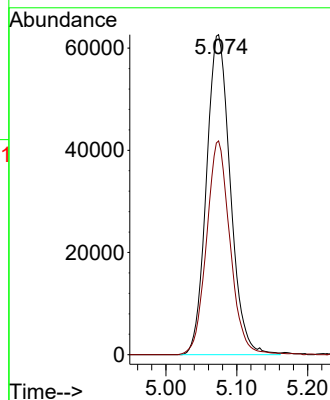
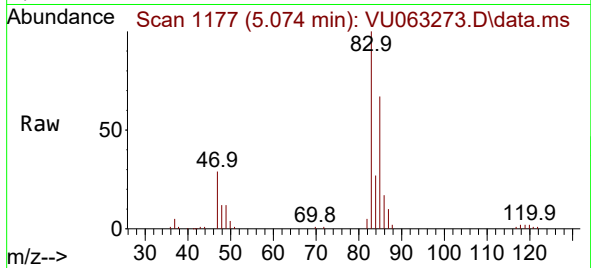




#25
Chloroform
Concen: 5.29 ug/L
RT: 5.074 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

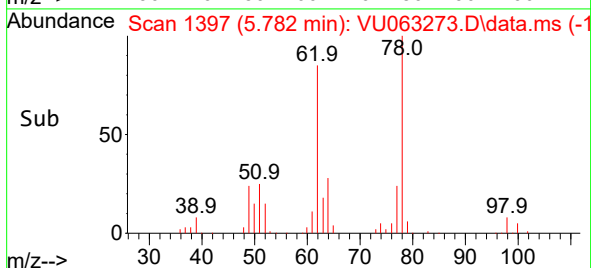
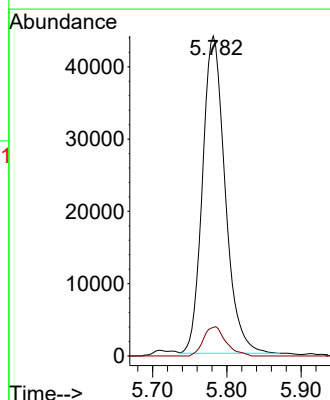
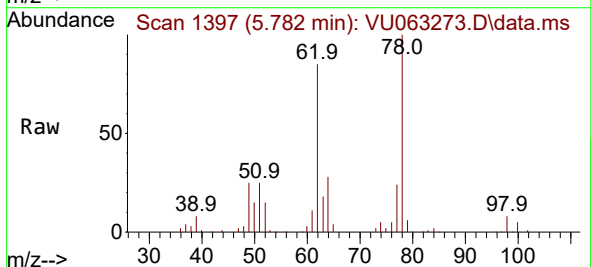
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

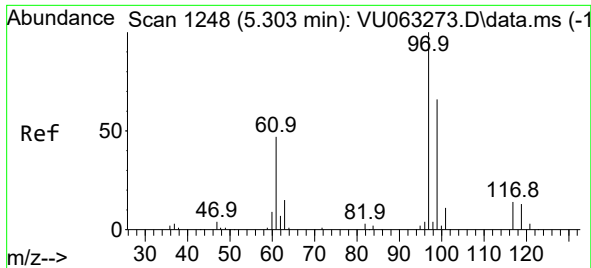
Tgt Ion: 83 Resp: 146406
Ion Ratio Lower Upper
83 100
85 66.8 46.8 86.8



#27
1,2-Dichloroethane
Concen: 5.16 ug/L
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion: 62 Resp: 93146
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8

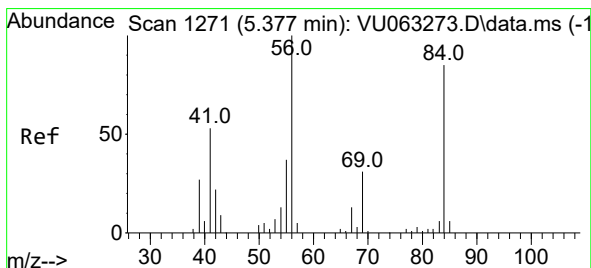
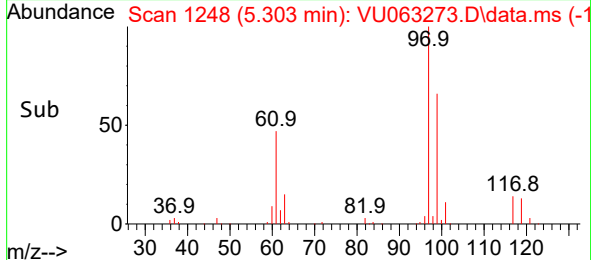
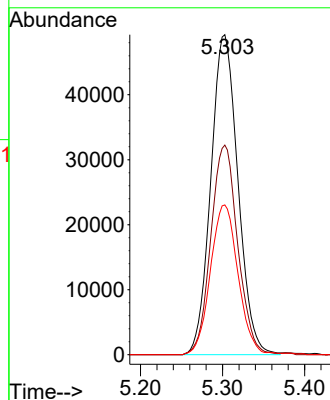
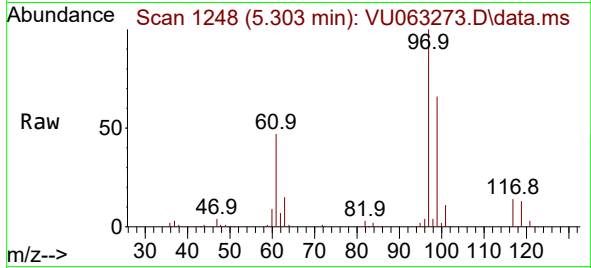




#29
1,1,1-Trichloroethane
Concen: 4.97 ug/L
RT: 5.303 min Scan# 113279
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

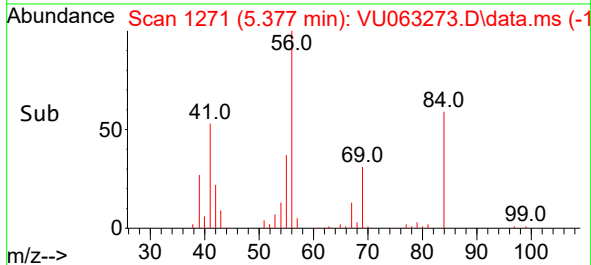
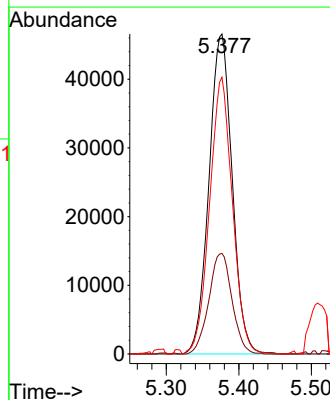
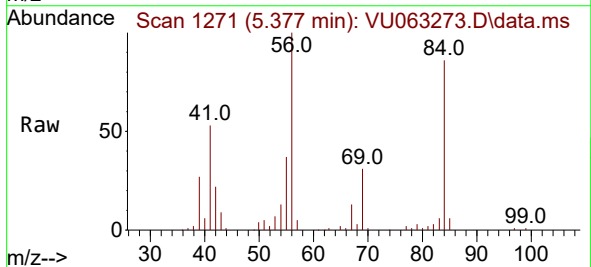
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

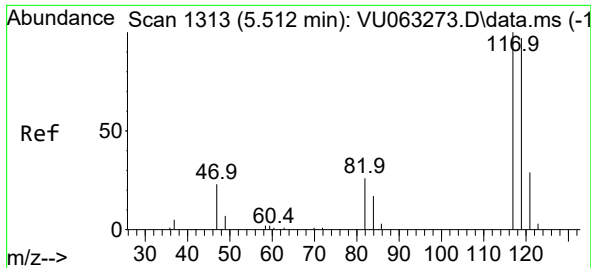
Tgt Ion: 97	Resp: 113279
Ion Ratio	Lower Upper
97 100	
99 65.0	52.0 78.0
61 47.5	38.0 57.0



#30
Cyclohexane
Concen: 4.40 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion: 56	Resp: 103562
Ion Ratio	Lower Upper
56 100	
69 31.4	25.1 37.7
84 85.1	68.1 102.1

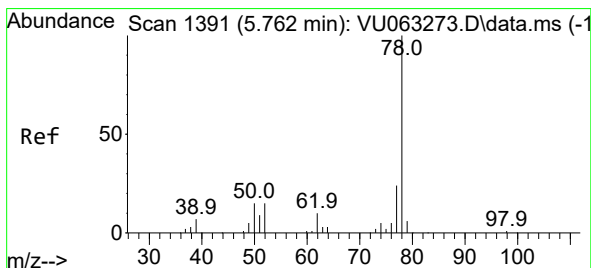
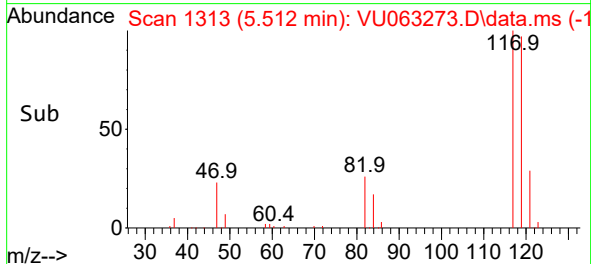
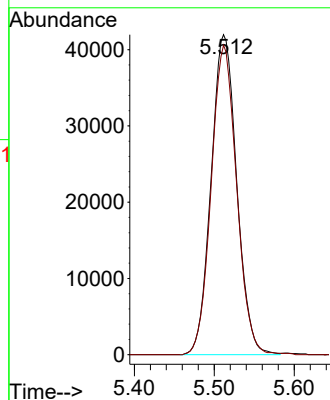
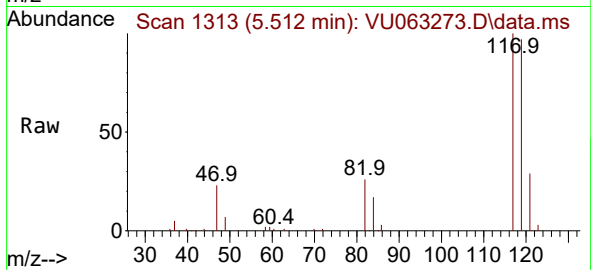




#31
Carbon tetrachloride
Concen: 4.88 ug/L
RT: 5.512 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

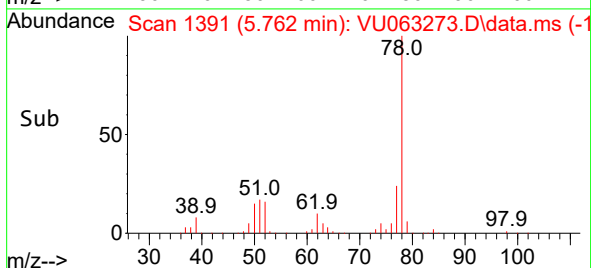
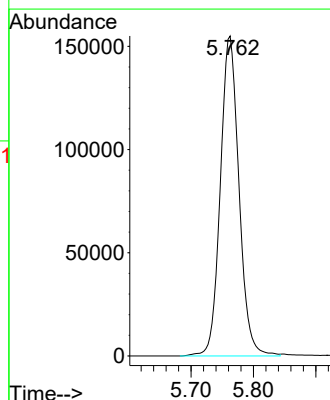
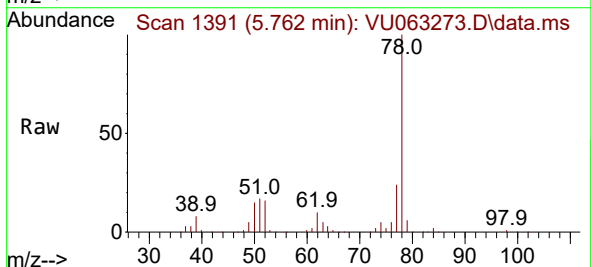
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

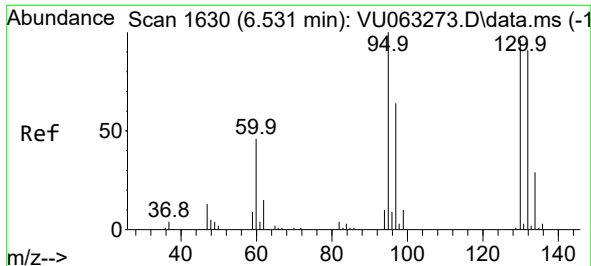
Tgt Ion:117 Resp: 93405
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



#33
Benzene
Concen: 5.07 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion: 78 Resp: 321877

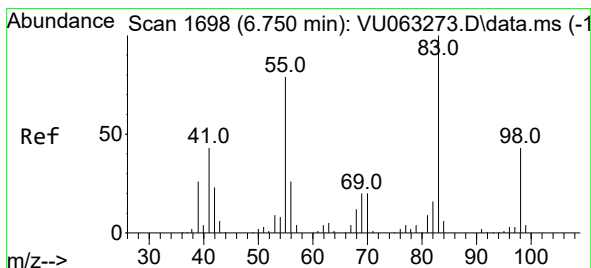
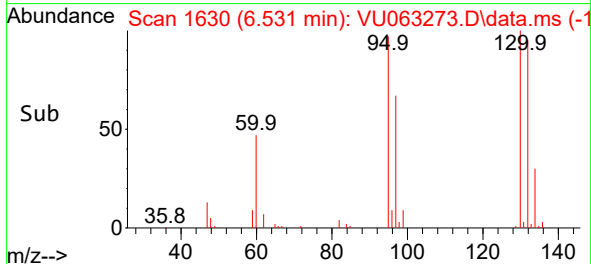
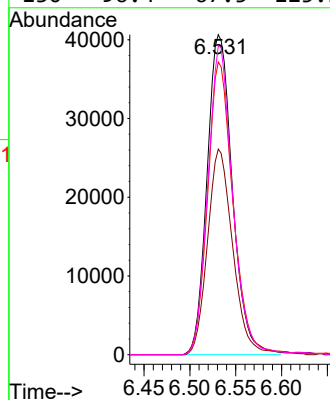
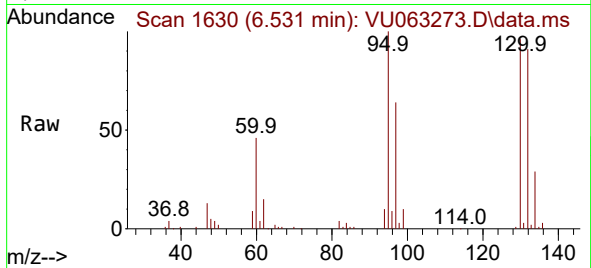




#34
Trichloroethene
Concen: 4.87 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

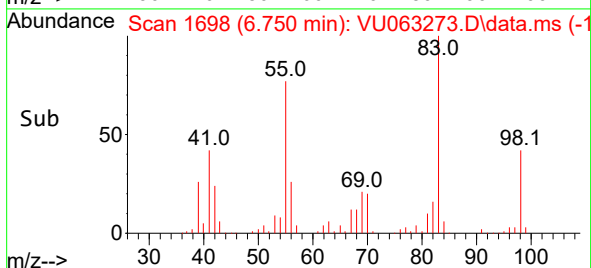
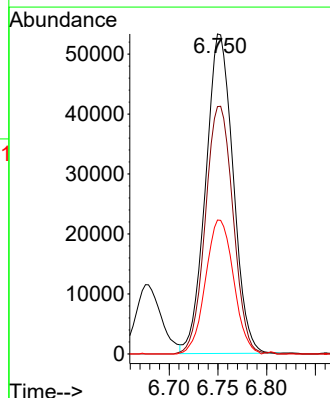
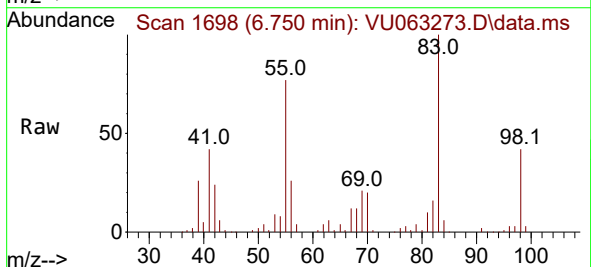
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

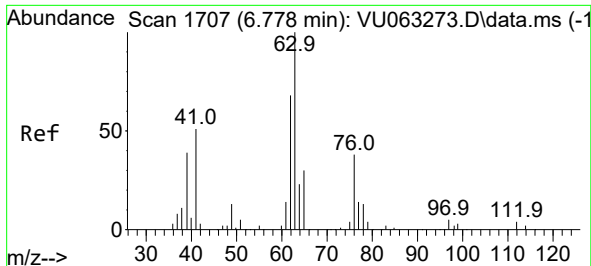
Tgt Ion: 95 Resp: 78172
Ion Ratio Lower Upper
95 100
97 64.3 45.0 83.6
132 91.5 64.0 119.0
130 96.4 67.5 125.3



#35
Methylcyclohexane
Concen: 4.42 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion: 83 Resp: 104240
Ion Ratio Lower Upper
83 100
55 78.4 62.7 94.1
98 42.9 34.3 51.5





#37

1,2-Dichloropropane

Concen: 5.05 ug/L

RT: 6.778 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

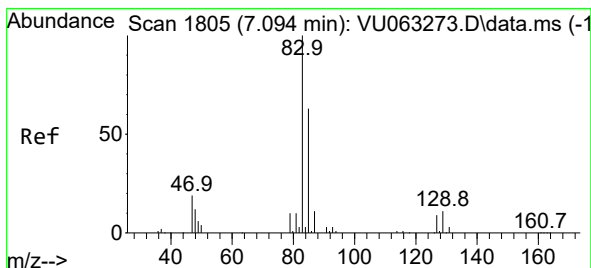
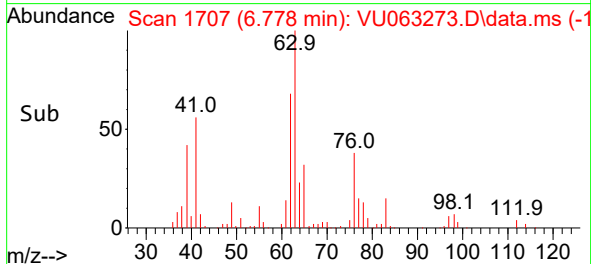
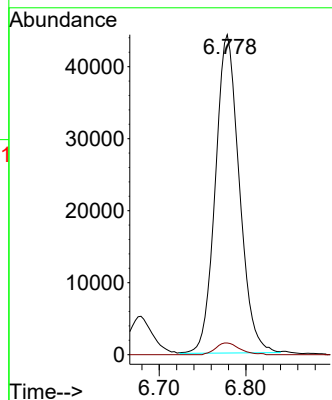
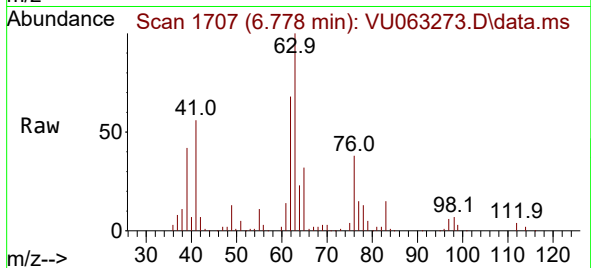
VSTD005008

Tgt Ion: 63 Resp: 85019

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 5.12 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

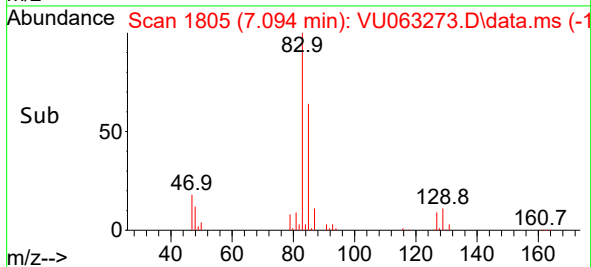
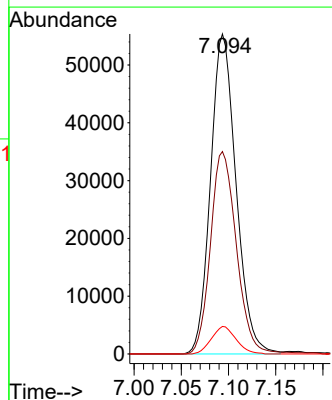
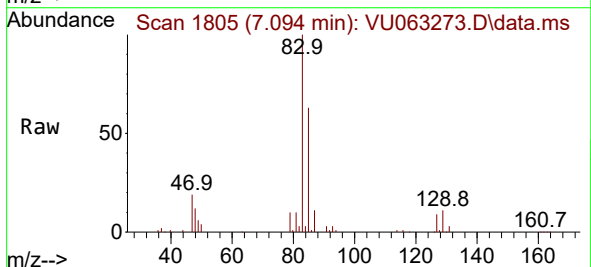
Tgt Ion: 83 Resp: 103987

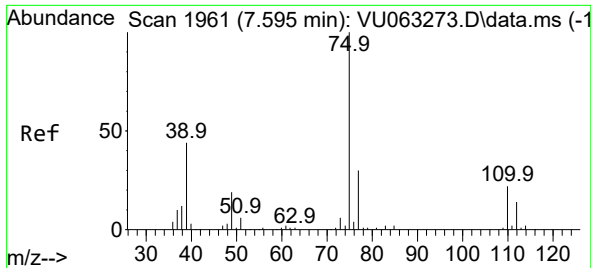
Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.04 ug/L

RT: 7.595 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

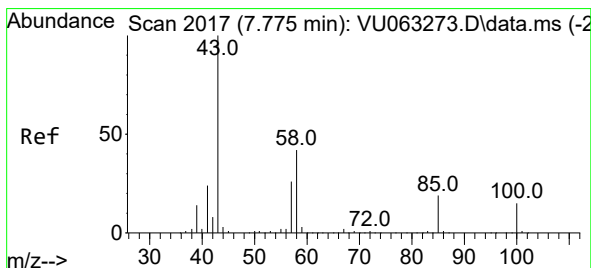
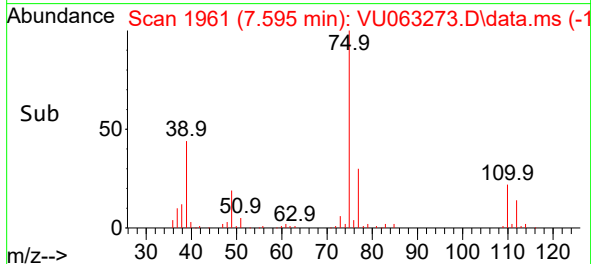
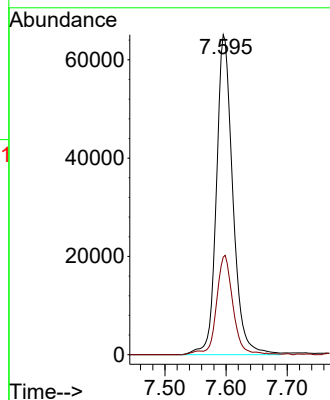
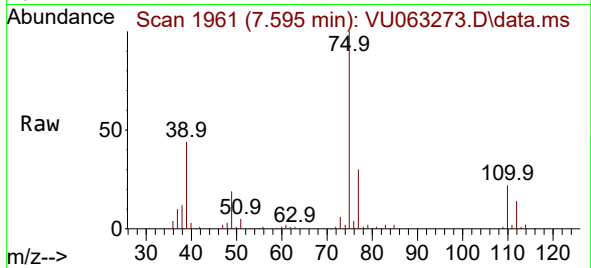
VSTD005008

Tgt Ion: 75 Resp: 121472

Ion Ratio Lower Upper

75 100

77 30.5 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 48.38 ug/L

RT: 7.775 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

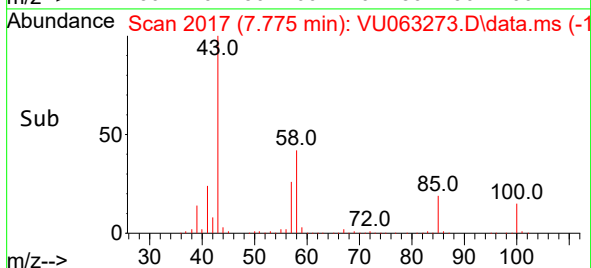
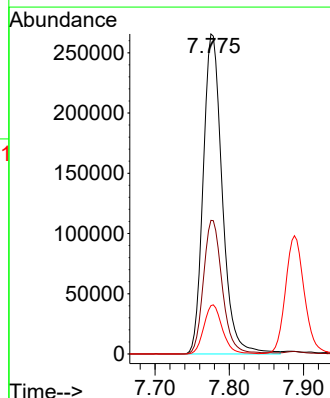
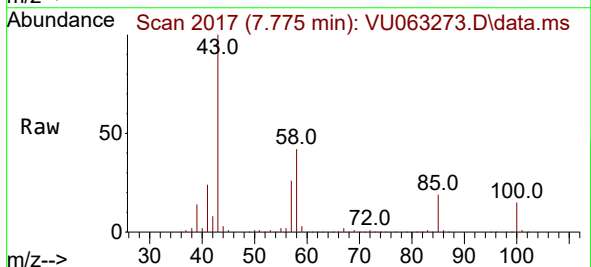
Tgt Ion: 43 Resp: 472787

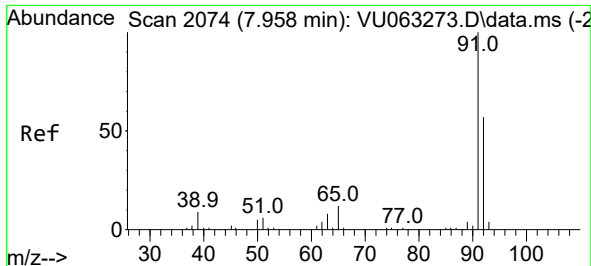
Ion Ratio Lower Upper

43 100

58 41.4 33.1 49.7

100 14.9 11.9 17.9

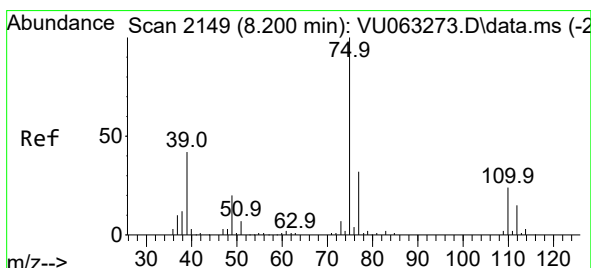
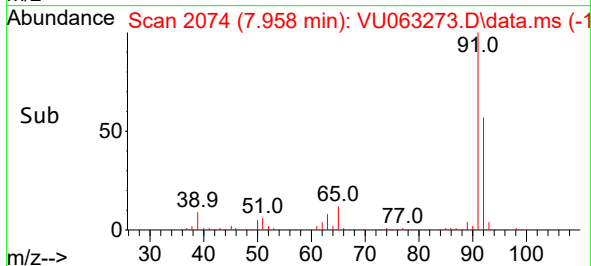
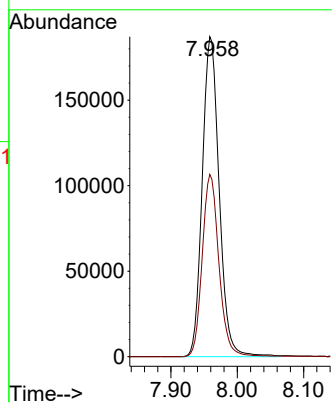
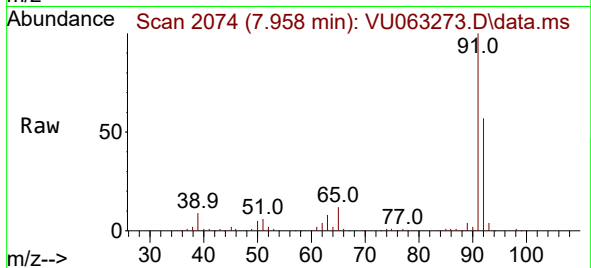




#42
Toluene
Concen: 5.01 ug/L
RT: 7.958 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

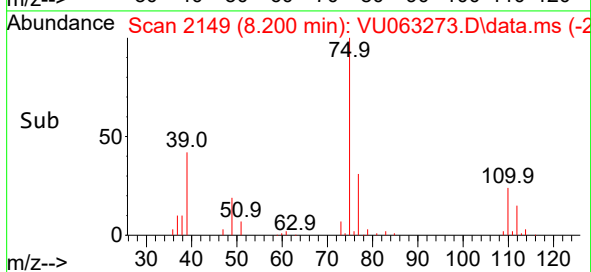
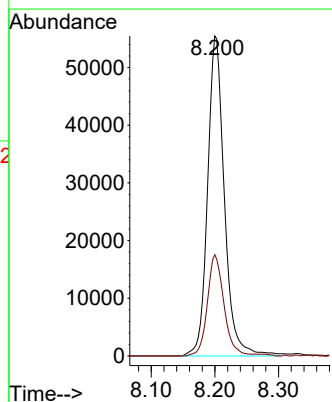
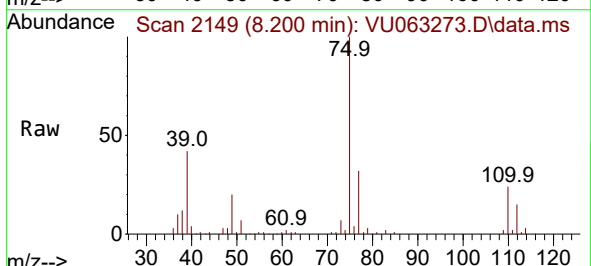
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

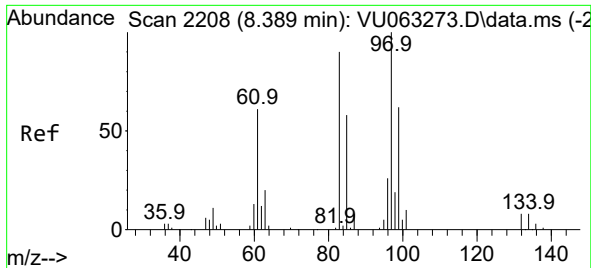
Tgt Ion: 91 Resp: 331694
Ion Ratio Lower Upper
91 100
92 57.0 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 5.06 ug/L
RT: 8.200 min Scan# 2149
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion: 75 Resp: 101630
Ion Ratio Lower Upper
75 100
77 31.6 22.1 41.1

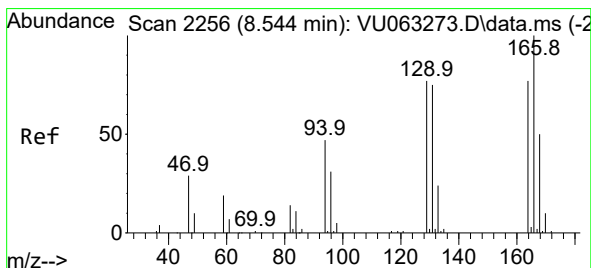
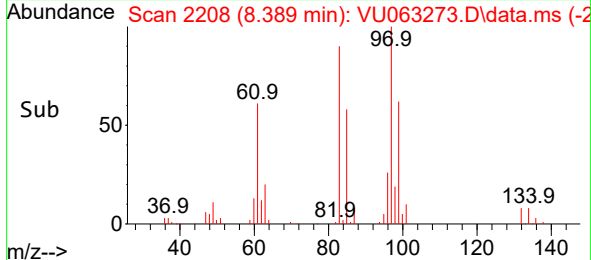
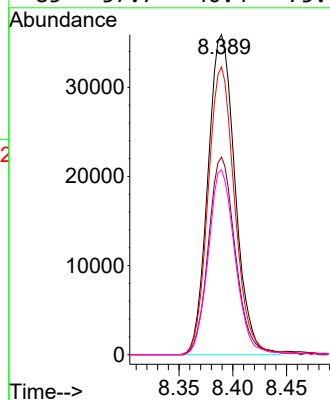
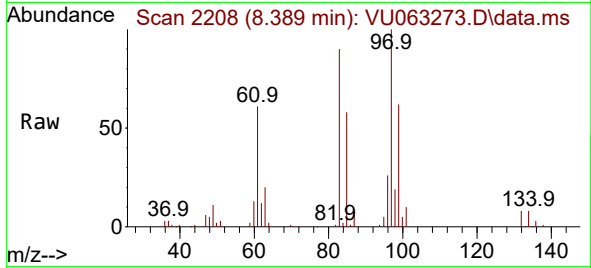




#45
1,1,2-Trichloroethane
Concen: 5.08 ug/L
RT: 8.389 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

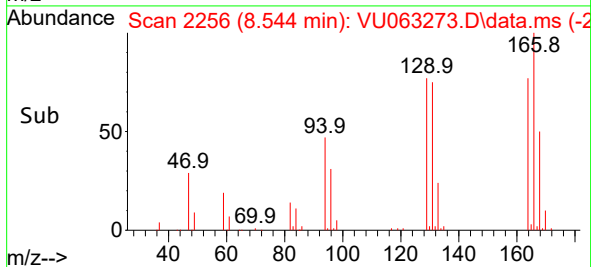
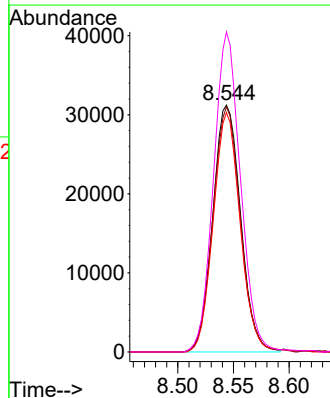
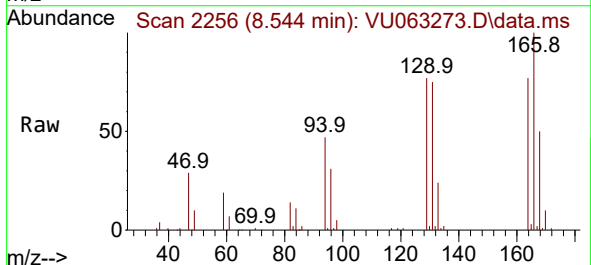
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

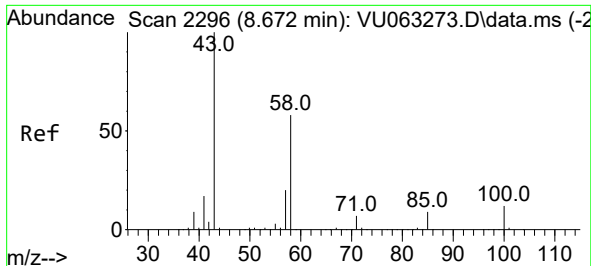
Tgt Ion: 97	Resp: 63017
Ion Ratio	Lower Upper
97 100	
99 61.7	43.2 80.2
83 90.0	63.0 117.0
85 57.7	40.4 75.0



#47
Tetrachloroethene
Concen: 4.83 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt	Ion:164	Resp:	54142
Ion	Ratio	Lower	Upper
164	100		
129	99.4	69.6	129.2
131	97.0	67.9	126.1
166	129.7	90.8	168.6



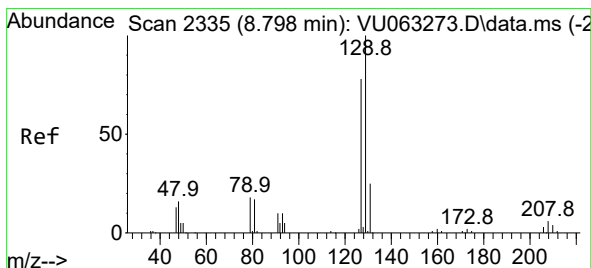
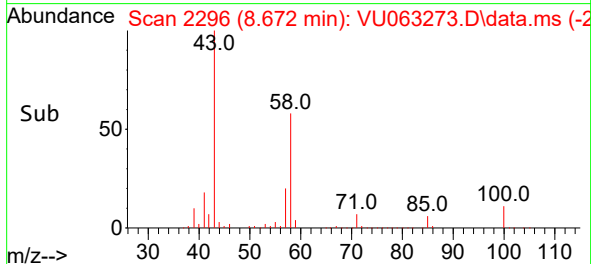
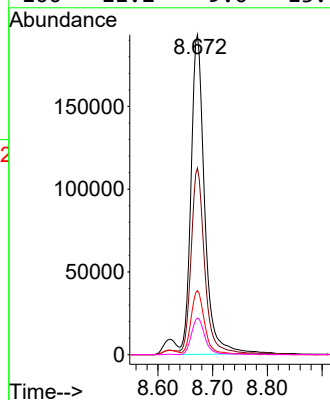
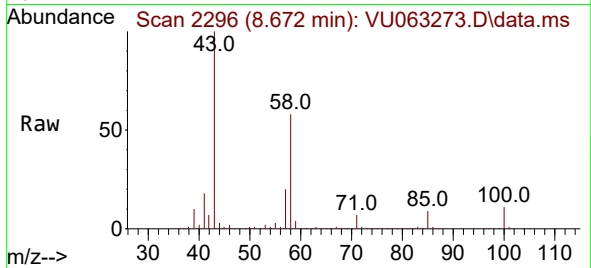


#48
2-Hexanone
Concen: 48.68 ug/L
RT: 8.672 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

Tgt Ion: 43 Resp: 334071

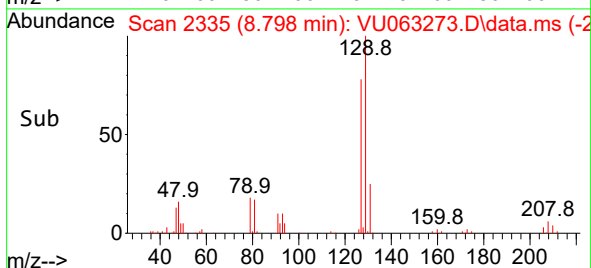
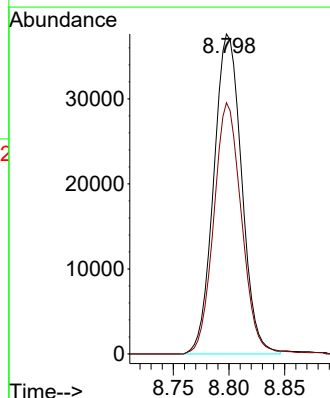
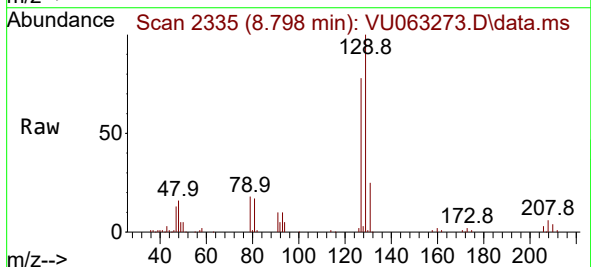
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.8	68.8
57	19.4	15.5	23.3
100	11.2	9.0	13.4

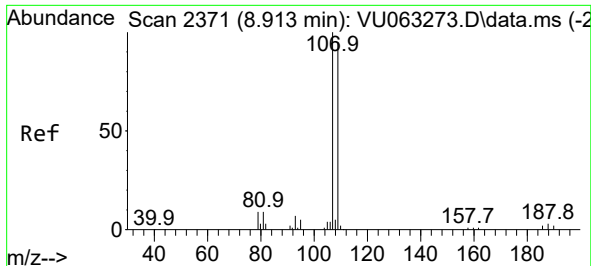


#49
Dibromochloromethane
Concen: 5.02 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion: 129 Resp: 65554

Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.9	102.1





#50

1,2-Dibromoethane

Concen: 5.05 ug/L

RT: 8.913 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005008

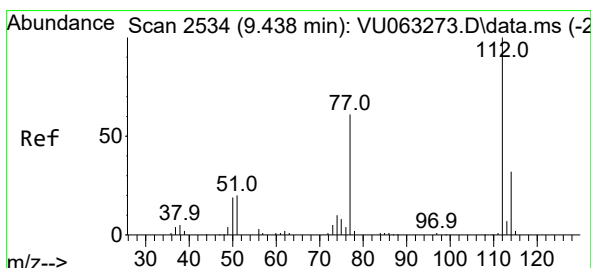
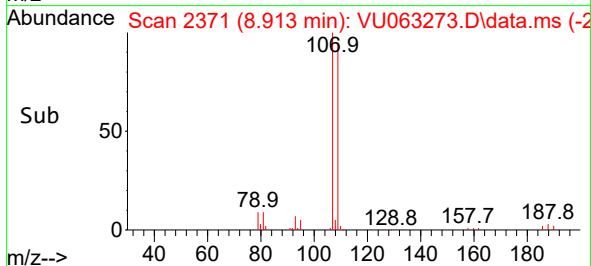
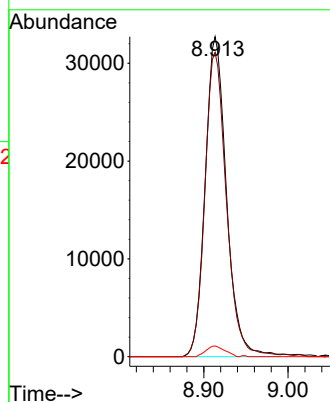
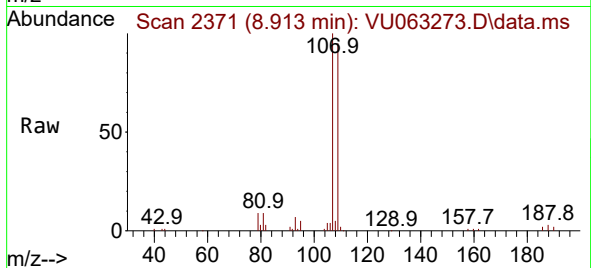
Tgt Ion:107 Resp: 57523

Ion Ratio Lower Upper

107 100

109 95.1 66.6 123.6

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 4.91 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

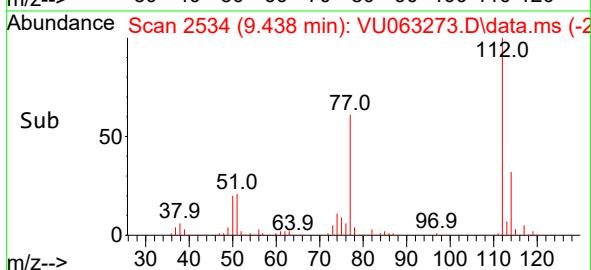
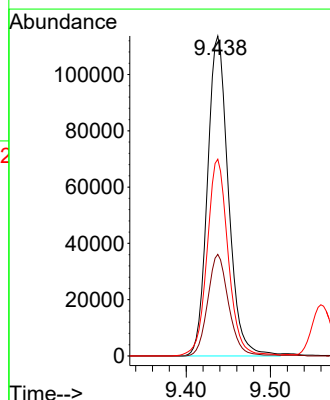
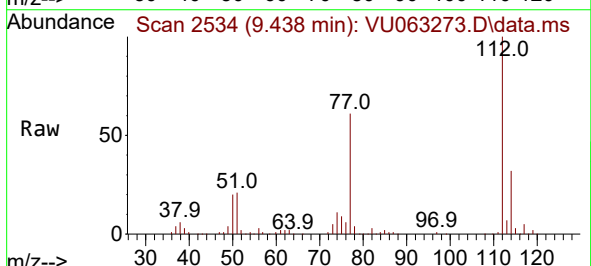
Tgt Ion:112 Resp: 196155

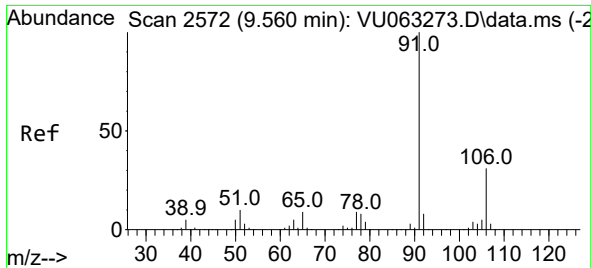
Ion Ratio Lower Upper

112 100

114 31.7 22.2 41.2

77 61.5 49.2 73.8

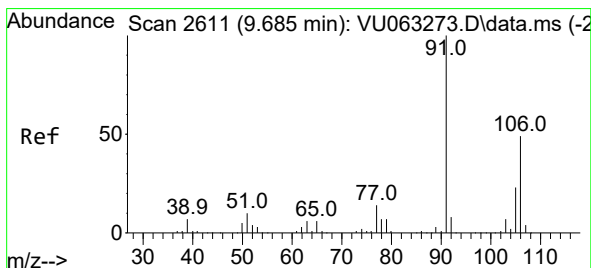
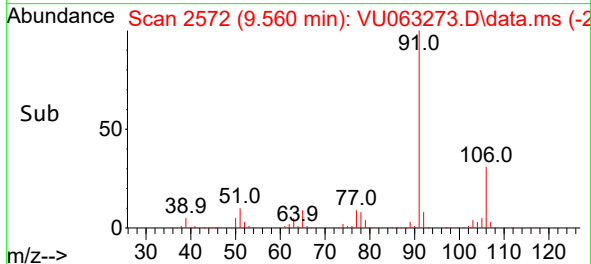
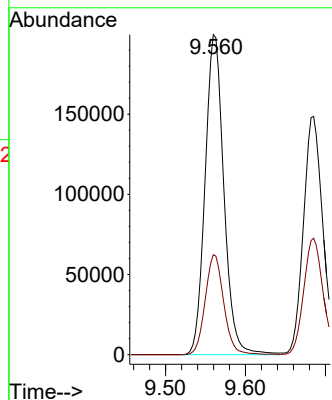
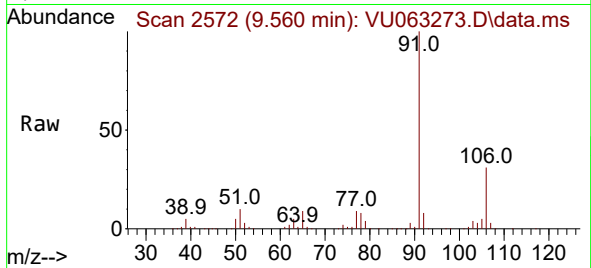




#52
Ethylbenzene
Concen: 4.77 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

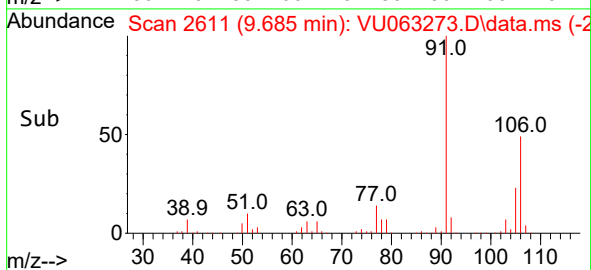
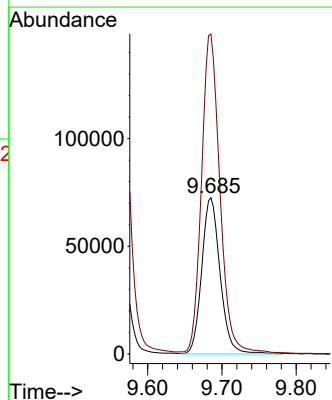
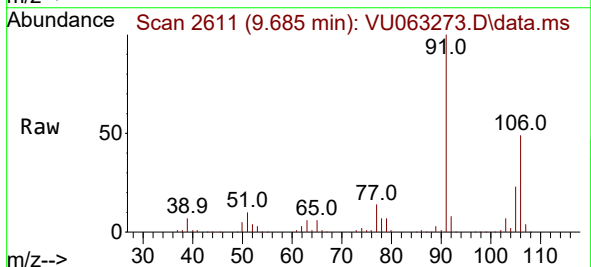
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

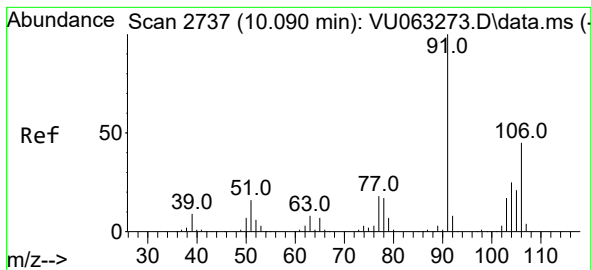
Tgt Ion: 91 Resp: 326913
Ion Ratio Lower Upper
91 100
106 31.3 21.9 40.7



#53
m,p-Xylene
Concen: 5.01 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion: 106 Resp: 124783
Ion Ratio Lower Upper
106 100
91 204.7 143.3 266.1





#54

o-Xylene

Concen: 4.89 ug/L

RT: 10.090 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

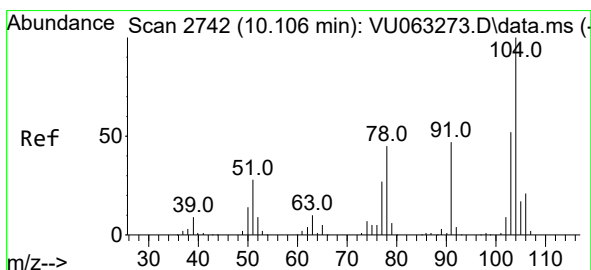
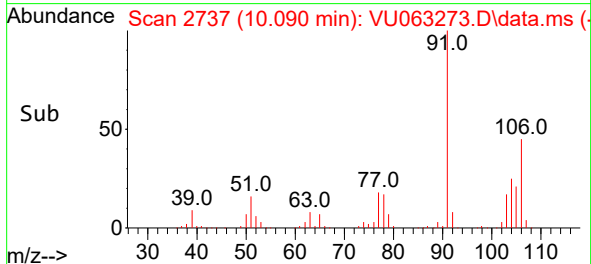
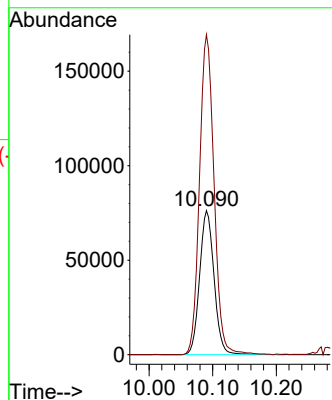
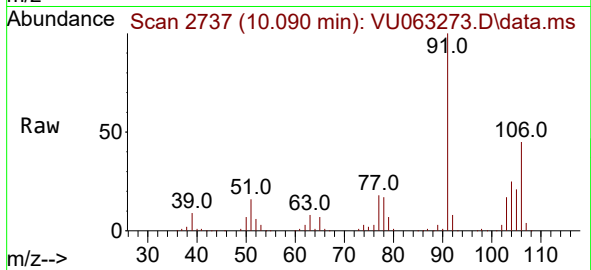
VSTD005008

Tgt Ion:106 Resp: 120184

Ion Ratio Lower Upper

106 100

91 222.2 155.5 288.9



#55

Styrene

Concen: 5.05 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU063273.D

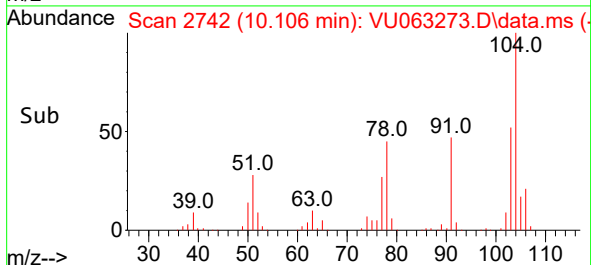
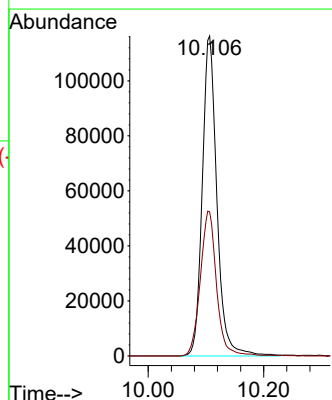
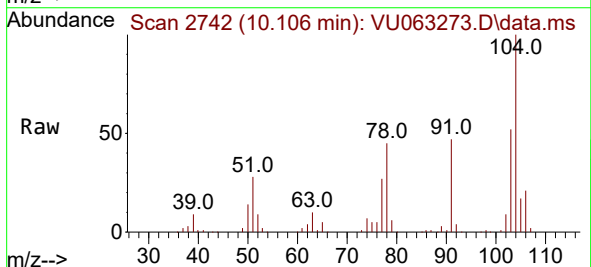
Acq: 21 Feb 2025 14:02

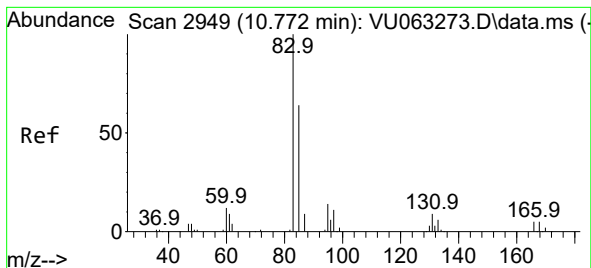
Tgt Ion:104 Resp: 204333

Ion Ratio Lower Upper

104 100

78 45.1 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.00 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005008

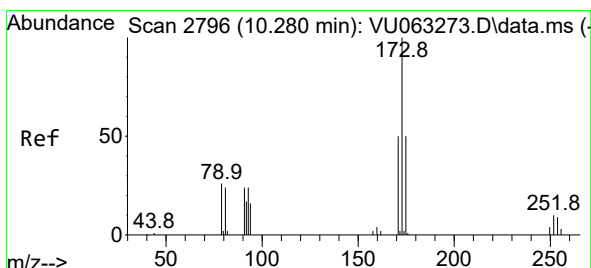
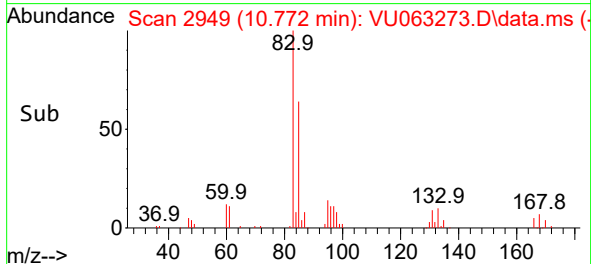
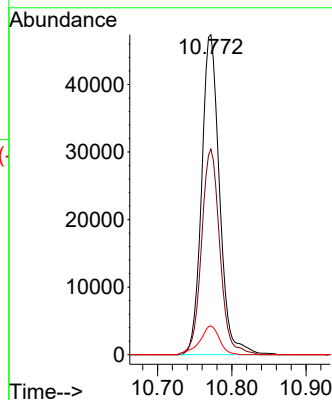
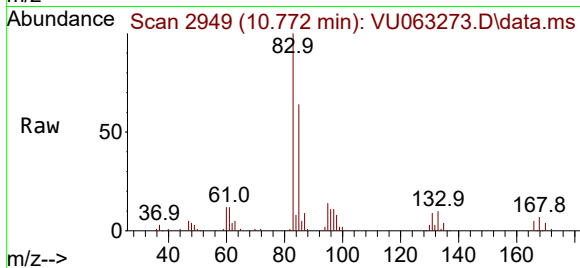
Tgt Ion: 83 Resp: 79361

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

131 9.0 7.2 10.8



#59

Bromoform

Concen: 4.93 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

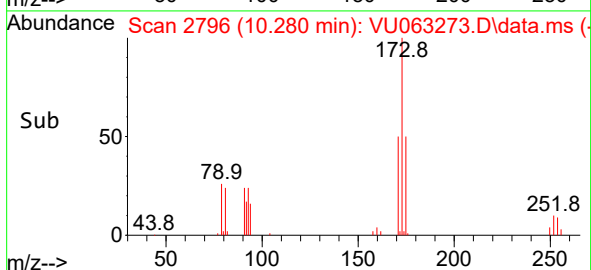
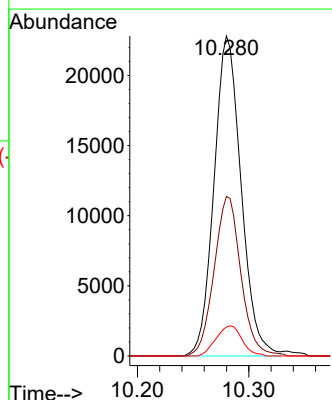
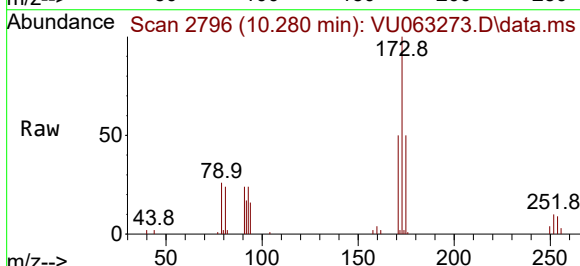
Tgt Ion:173 Resp: 38538

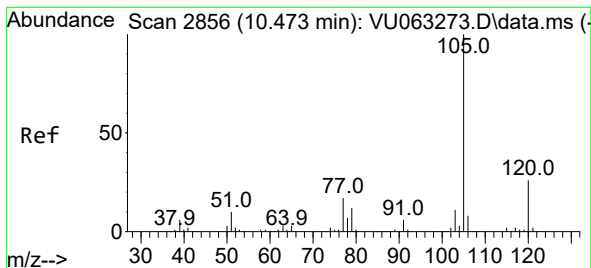
Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

254 9.0 7.2 10.8





#60

Isopropylbenzene

Concen: 4.78 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005008

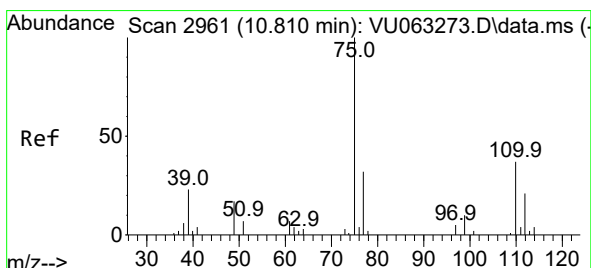
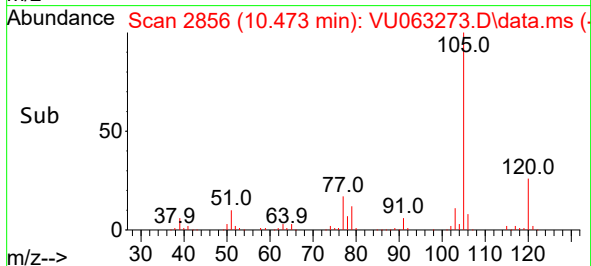
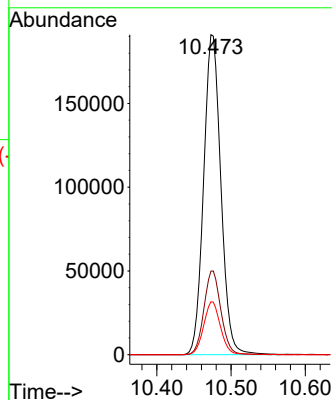
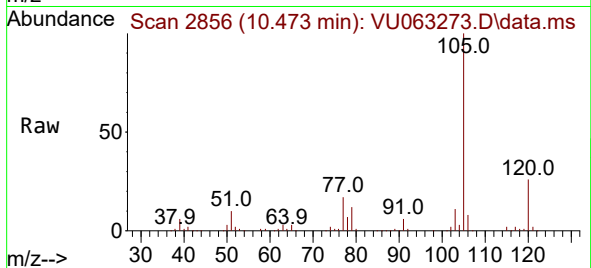
Tgt Ion:105 Resp: 307846

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 16.2 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.79 ug/L

RT: 10.810 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

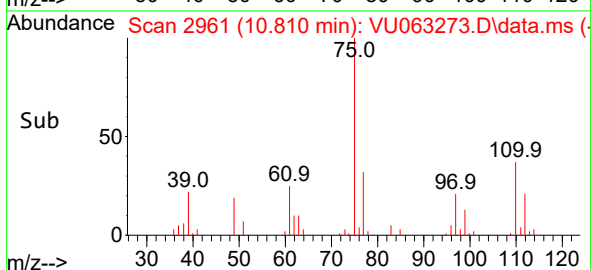
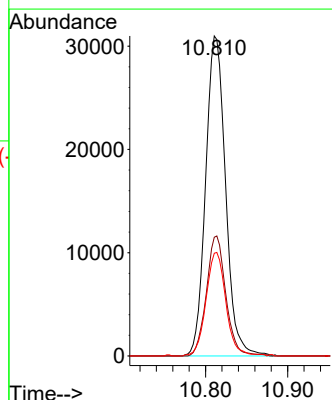
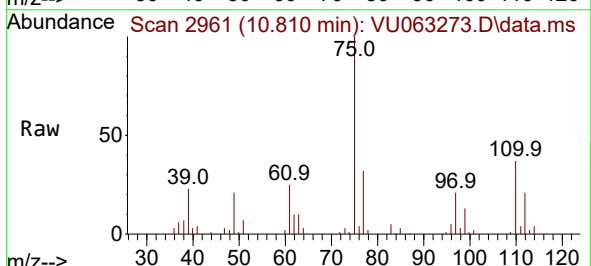
Tgt Ion: 75 Resp: 52333

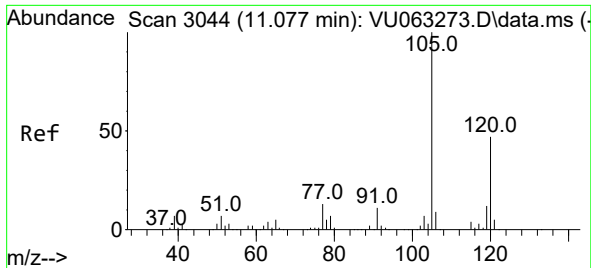
Ion Ratio Lower Upper

75 100

110 36.6 29.3 43.9

77 32.3 25.8 38.8

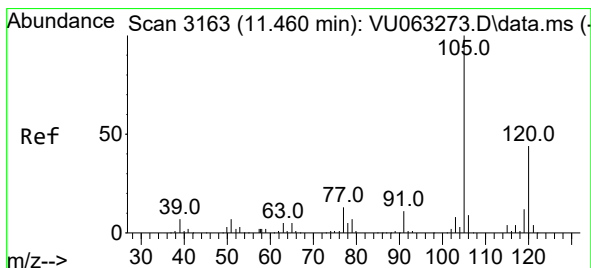
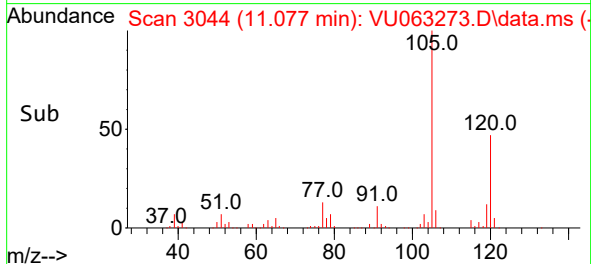
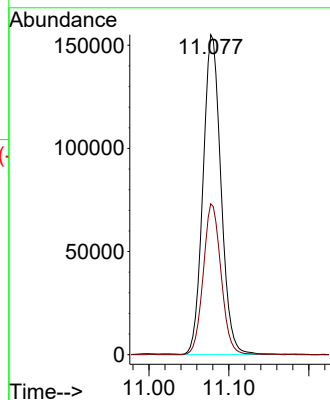
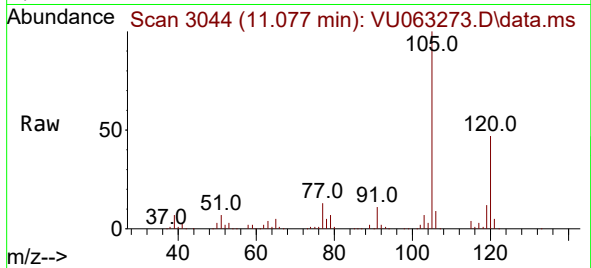




#62
1,3,5-Trimethylbenzene
Concen: 4.78 ug/L
RT: 11.077 min Scan# 3044
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

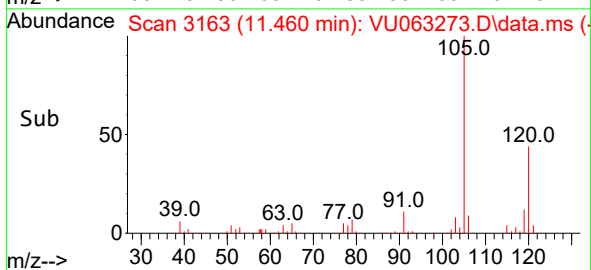
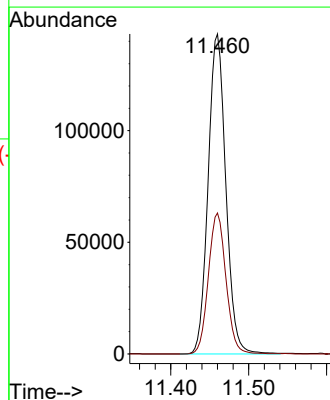
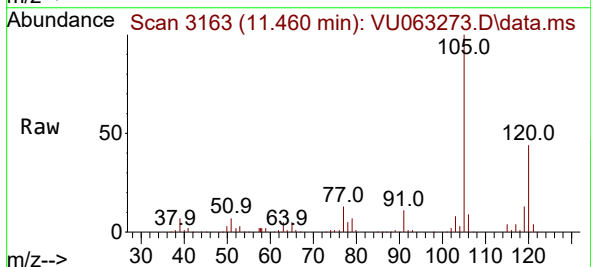
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

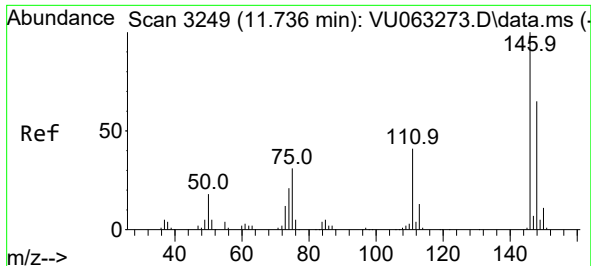
Tgt Ion:105 Resp: 241946
Ion Ratio Lower Upper
105 100
120 46.9 37.5 56.3



#63
1,2,4-Trimethylbenzene
Concen: 4.68 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion:105 Resp: 225655
Ion Ratio Lower Upper
105 100
120 43.9 35.1 52.7

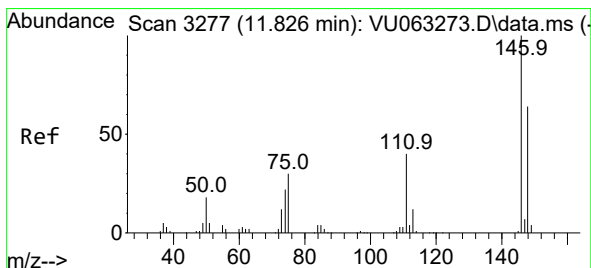
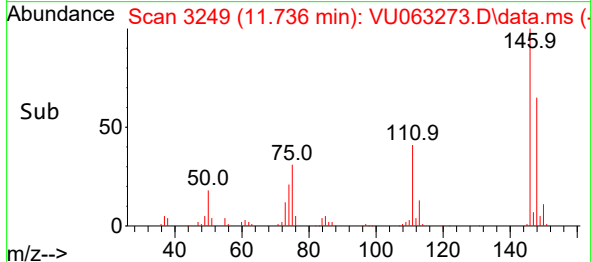
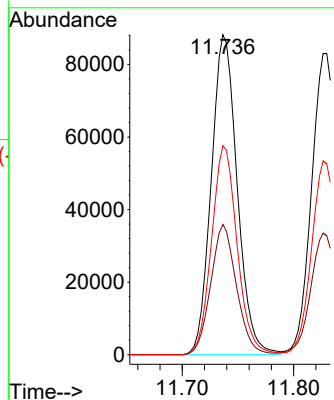
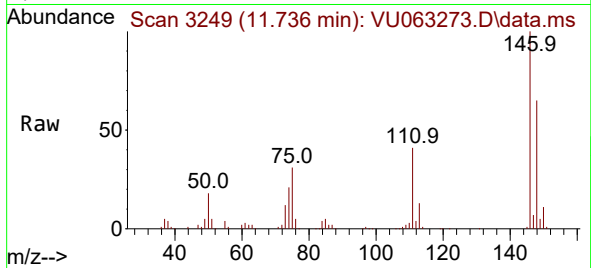




#64
1,3-Dichlorobenzene
Concen: 4.86 ug/L
RT: 11.736 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

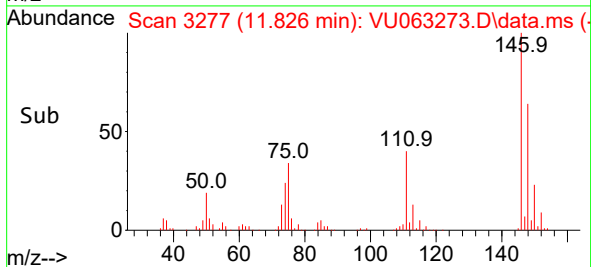
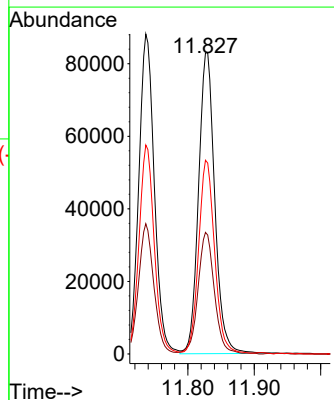
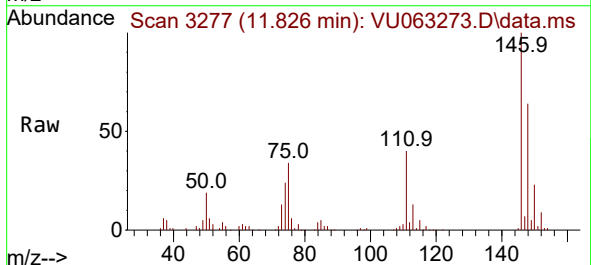
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

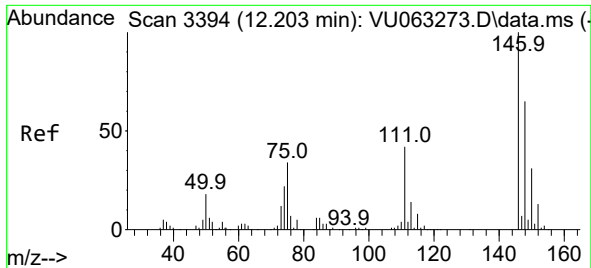
Tgt Ion:146 Resp: 142640
Ion Ratio Lower Upper
146 100
111 40.7 28.5 52.9
148 65.3 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 4.79 ug/L
RT: 11.826 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion:146 Resp: 141129
Ion Ratio Lower Upper
146 100
111 40.4 28.3 52.5
148 64.3 45.0 83.6

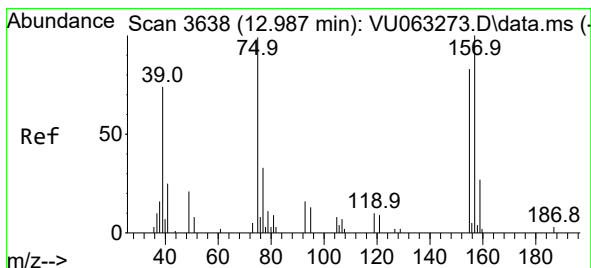
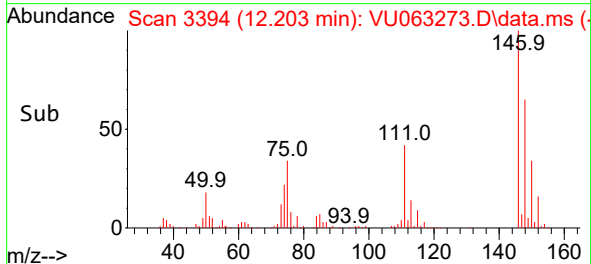
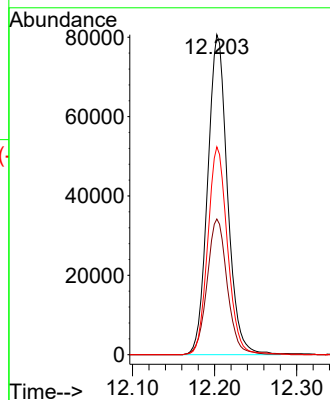
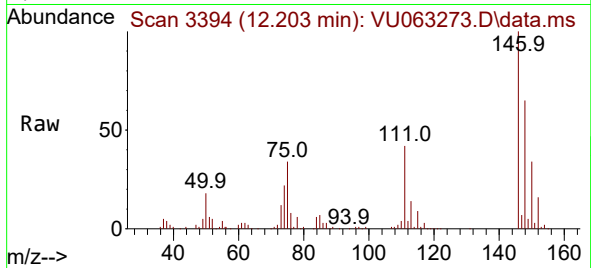




#67
1,2-Dichlorobenzene
Concen: 4.91 ug/L
RT: 12.203 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

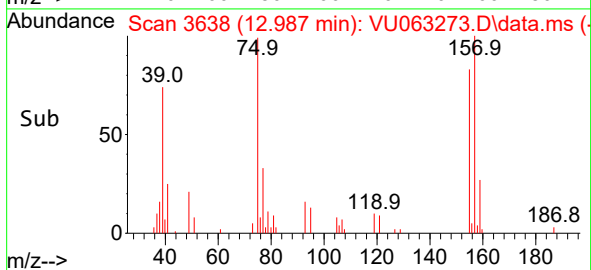
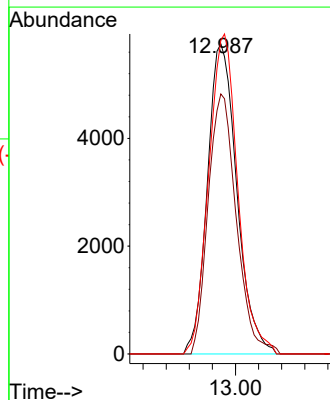
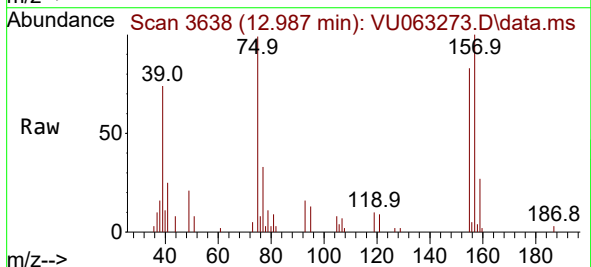
Instrument :
MSVOA_U
ClientSampleId :
VSTD005008

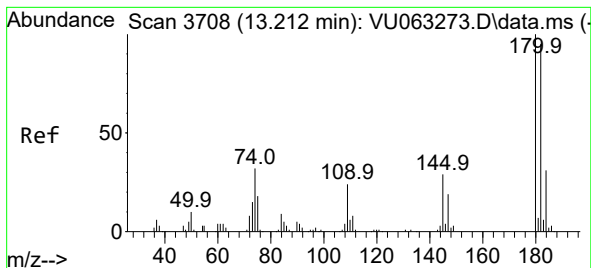
Tgt Ion:146 Resp: 134981
Ion Ratio Lower Upper
146 100
111 42.4 33.9 50.9
148 65.0 52.0 78.0



#68
1,2-Dibromo-3-chloropropane
Concen: 4.70 ug/L
RT: 12.987 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VU063273.D
Acq: 21 Feb 2025 14:02

Tgt Ion: 75 Resp: 10198
Ion Ratio Lower Upper
75 100
155 83.8 67.0 100.6
157 101.1 80.9 121.3





#69

1,3,5-Trichlorobenzene

Concen: 4.66 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005008

Tgt Ion:180 Resp: 92613

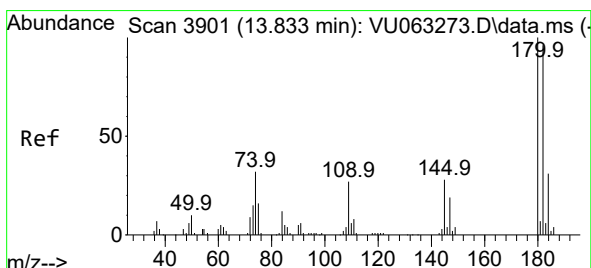
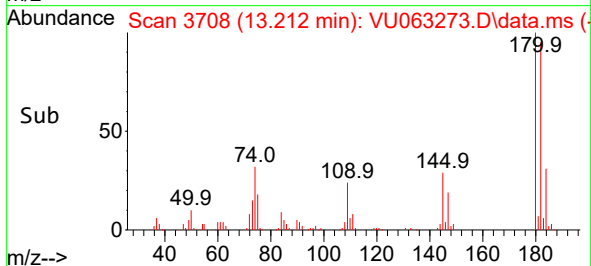
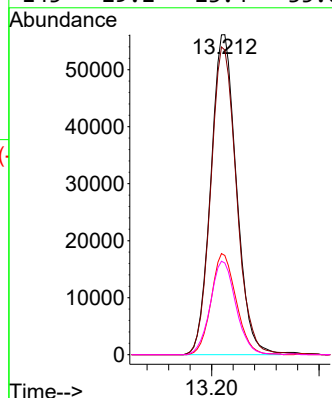
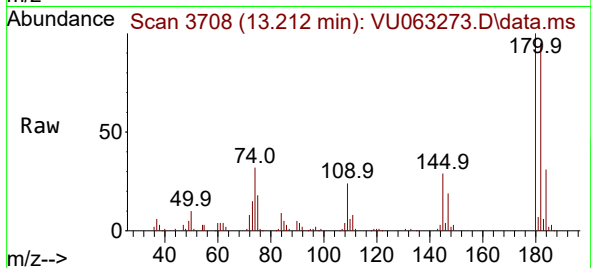
Ion Ratio Lower Upper

180 100

182 97.0 77.6 116.4

184 30.9 24.7 37.1

145 29.2 23.4 35.0



#70

1,2,4-trichlorobenzene

Concen: 4.29 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

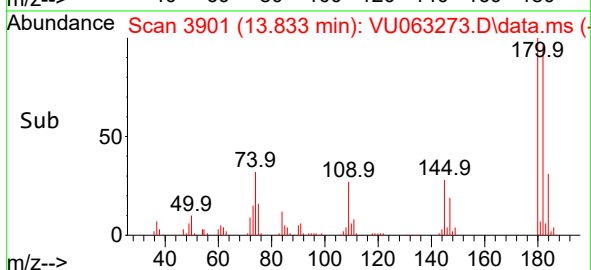
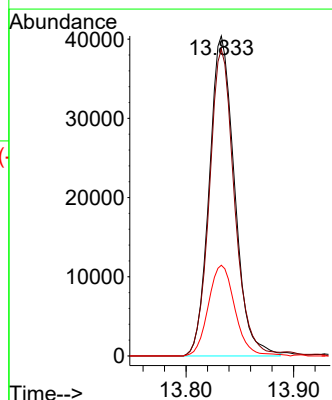
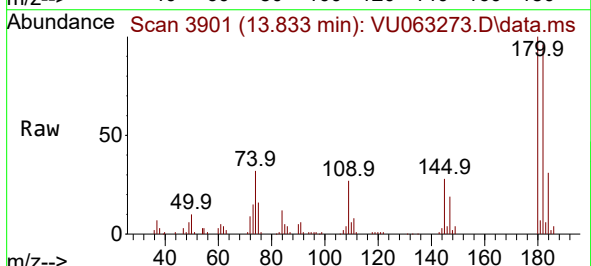
Tgt Ion:180 Resp: 66037

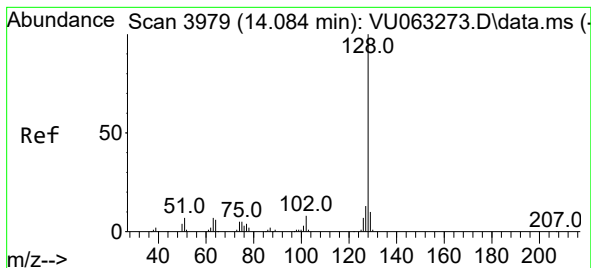
Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.8

145 29.8 23.8 35.8





#71

Naphthalene

Concen: 3.65 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005008

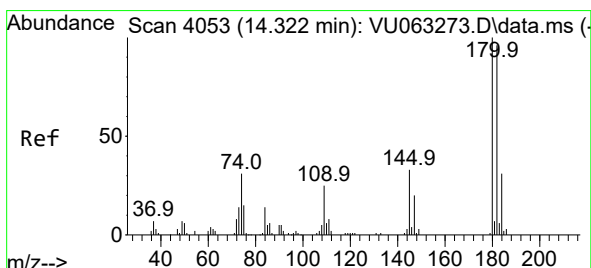
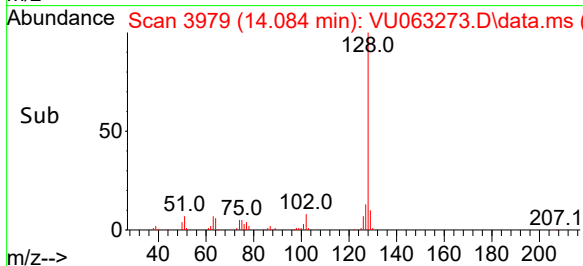
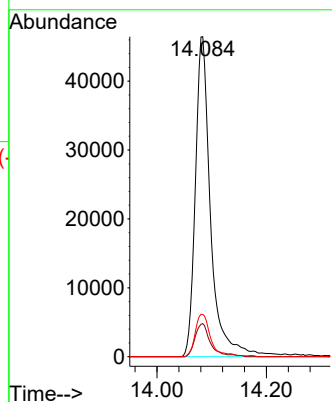
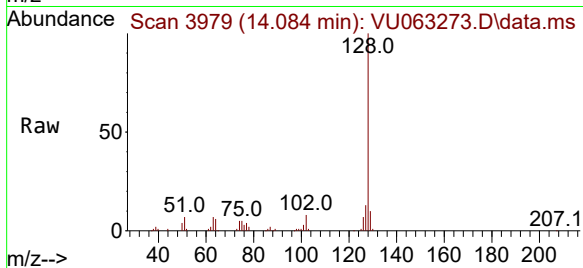
Tgt Ion:128 Resp: 90120

Ion Ratio Lower Upper

128 100

129 10.1 8.1 12.1

127 13.5 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.24 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063273.D

Acq: 21 Feb 2025 14:02

Tgt Ion:180 Resp: 57962

Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 31.9 25.5 38.3

