

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040325\
 Data File : VU063330.D
 Acq On : 03 Apr 2025 15:36
 Operator : MD/SY
 Sample : VSTD00514
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005014

Quant Time: Apr 04 09:12:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 04 09:10:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	190581	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	188394	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	92805	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	64771	4.92	ug/L	0.00
7) Chloroethane-d5	1.901	69	64739	5.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	29449	4.94	ug/L	0.00
20) 2-Butanone-d5	4.608	46	195776	52.21	ug/L	0.00
24) Chloroform-d	5.049	84	147378	5.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	74702	5.17	ug/L	0.00
32) Benzene-d6	5.714	84	288964	5.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	92993	5.09	ug/L	0.00
41) Toluene-d8	7.888	98	257891	5.31	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	28745	5.31	ug/L	0.00
46) 2-Hexanone-d5	8.621	63	145216	52.44	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	78012	5.01	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	80657	4.88	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	96038	4.91	ug/L	100
3) Chloromethane	1.518	50	107064	4.85	ug/L	100
5) Vinyl chloride	1.599	62	108089	4.89	ug/L	100
6) Bromomethane	1.840	94	57137	4.89	ug/L	100
8) Chloroethane	1.920	64	61444	4.88	ug/L	100
9) Trichlorofluoromethane	2.126	101	114613	4.92	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	69956	4.97	ug/L	100
12) 1,1-Dichloroethene	2.567	96	66510	4.93	ug/L	100
13) Acetone	2.615	43	123473	48.84	ug/L	100
14) Carbon disulfide	2.782	76	235678	4.90	ug/L	100
15) Methyl Acetate	2.940	43	32987	4.94	ug/L	100
16) Methylene chloride	3.033	84	80857	4.72	ug/L	100
17) Methyl tert-butyl Ether	3.351	73	166546	4.85	ug/L	100
18) trans-1,2-Dichloroethene	3.341	96	71334	4.95	ug/L	100
19) 1,1-Dichloroethane	3.856	63	144948	4.91	ug/L	100
21) 2-Butanone	4.689	43	210091	52.70	ug/L	100
22) cis-1,2-Dichloroethene	4.653	96	79404	4.93	ug/L	100
23) Bromochloromethane	4.962	128	36304	4.87	ug/L	100
25) Chloroform	5.071	83	143650	4.87	ug/L	100
27) 1,2-Dichloroethane	5.782	62	93809	4.99	ug/L	100
29) 1,1,1-Trichloroethane	5.303	97	114929	4.98	ug/L	100
30) Cyclohexane	5.374	56	124522	5.01	ug/L	100
31) Carbon tetrachloride	5.512	117	98855	4.99	ug/L	100
33) Benzene	5.763	78	325800	5.10	ug/L	100
34) Trichloroethene	6.531	95	80482	4.98	ug/L	100
35) Methylcyclohexane	6.753	83	119200	5.06	ug/L	100
37) 1,2-Dichloropropane	6.779	63	88670	5.01	ug/L	100
38) Bromodichloromethane	7.094	83	102890	4.90	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	116173	4.97	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	508929	52.08	ug/L	100
42) Toluene	7.959	91	345486	5.22	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	100506	5.07	ug/L	100

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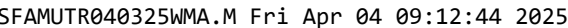
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005014

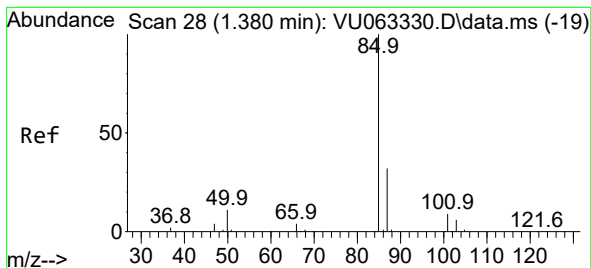
Quant Time: Apr 04 09:12:37 2025
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 04 09:10:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.389	97	63432	5.12	ug/L	100
47) Tetrachloroethene	8.544	164	57343	4.96	ug/L	100
48) 2-Hexanone	8.672	43	370757	53.92	ug/L	100
49) Dibromochloromethane	8.798	129	66100	4.99	ug/L	100
50) 1,2-Dibromoethane	8.914	107	58173	5.07	ug/L	100
51) Chlorobenzene	9.438	112	200859	4.89	ug/L	100
52) Ethylbenzene	9.560	91	342718	5.08	ug/L	100
53) m,p-Xylene	9.685	106	129275	5.25	ug/L	100
54) o-Xylene	10.090	106	121980	5.16	ug/L	100
55) Styrene	10.106	104	212568	5.40	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	81407	5.02	ug/L	100
59) Bromoform	10.280	173	39274	4.74	ug/L	100
60) Isopropylbenzene	10.473	105	323646	5.00	ug/L	100
61) 1,2,3-Trichloropropane	10.811	75	55905	4.82	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	250215	4.96	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	238623	5.07	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	150901	4.88	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	147214	4.78	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	141786	4.81	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	11322	4.66	ug/L	100
69) 1,3,5-Trichlorobenzene	13.209	180	97949	4.68	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	70036	4.76	ug/L	100
71) Naphthalene	14.081	128	101356	4.70	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	63891	4.86	ug/L	100

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

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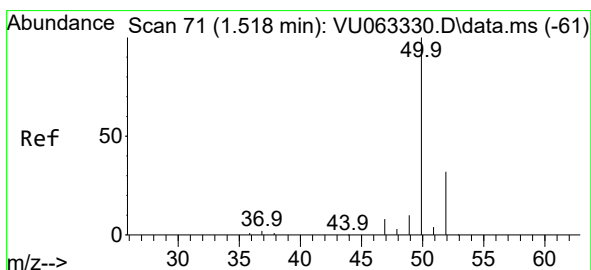
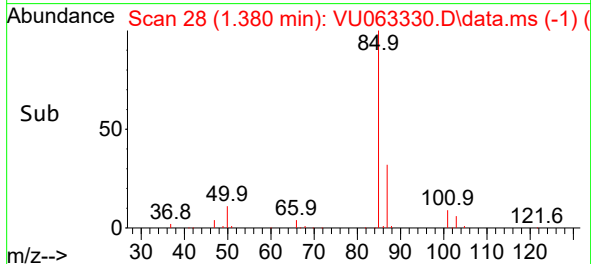
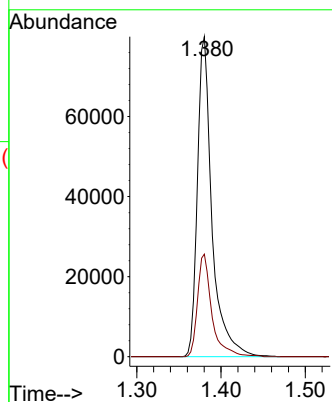
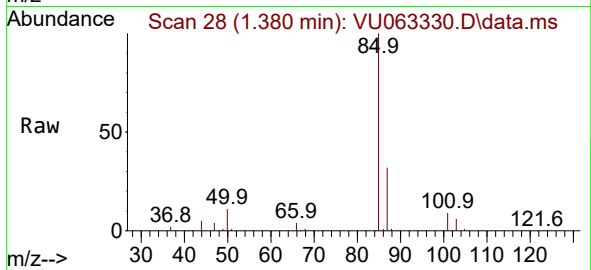




#2
 Dichlorodifluoromethane
 Concen: 4.91 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU063330.D
 Acq: 03 Apr 2025 15:36

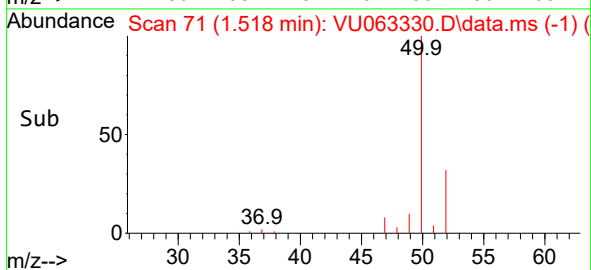
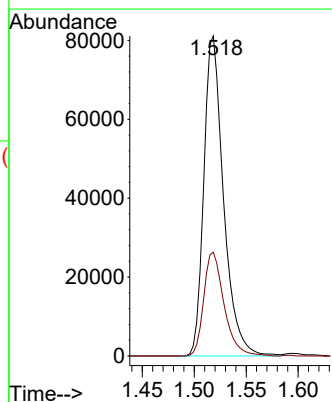
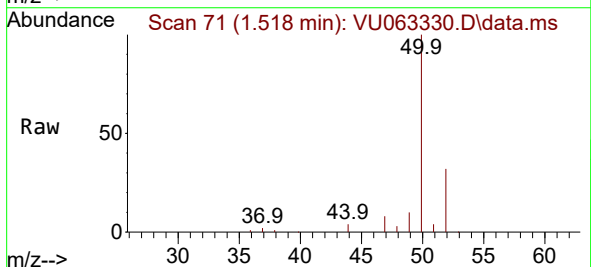
Instrument :
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 ClientSampleId :
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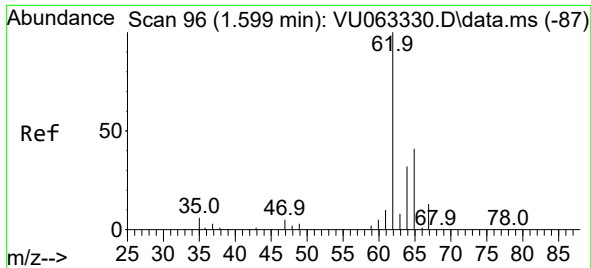
Tgt Ion: 85 Resp: 96038
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.3 37.9



#3
 Chloromethane
 Concen: 4.85 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU063330.D
 Acq: 03 Apr 2025 15:36

Tgt Ion: 50 Resp: 107064
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.7 42.1

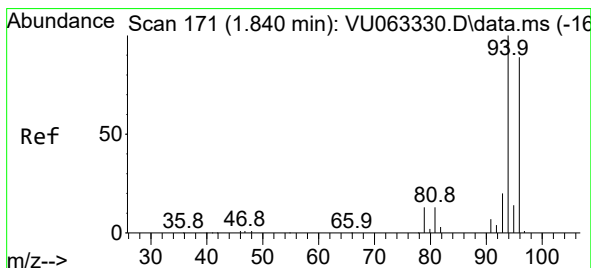
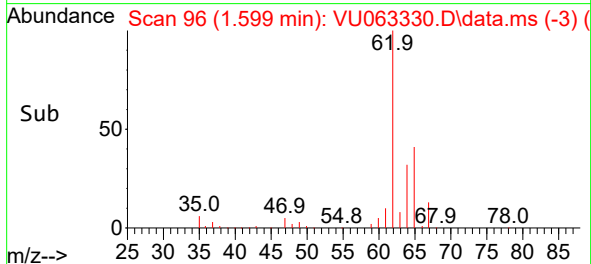
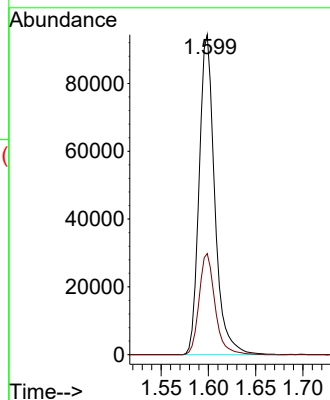
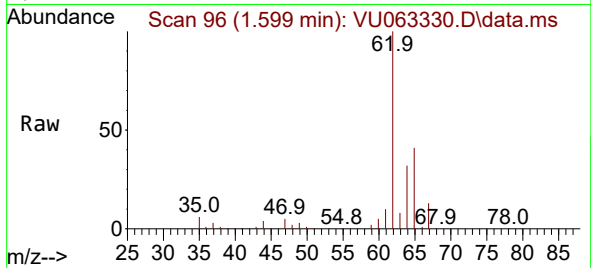




#5
 Vinyl chloride
 Concen: 4.89 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063330.D
 Acq: 03 Apr 2025 15:36

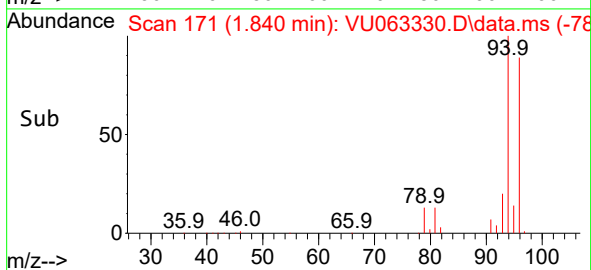
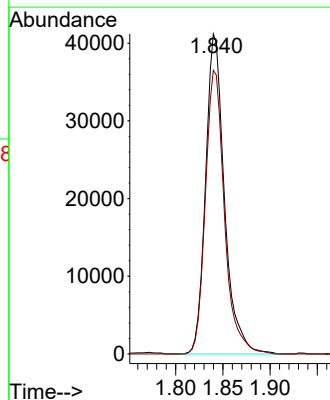
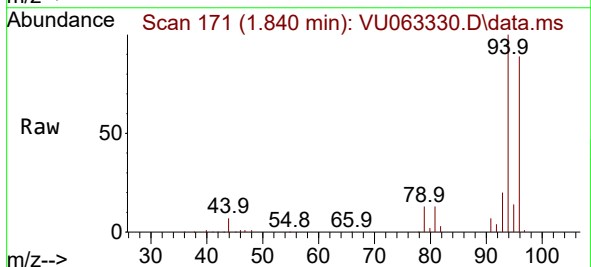
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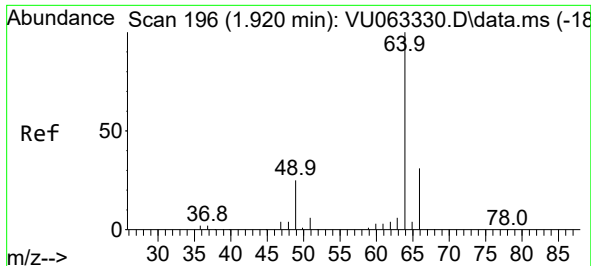
Tgt Ion: 62 Resp: 108089
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.1 41.1



#6
 Bromomethane
 Concen: 4.89 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. 0.000 min
 Lab File: VU063330.D
 Acq: 03 Apr 2025 15:36

Tgt Ion: 94 Resp: 57137
 Ion Ratio Lower Upper
 94 100
 96 88.7 62.1 115.3

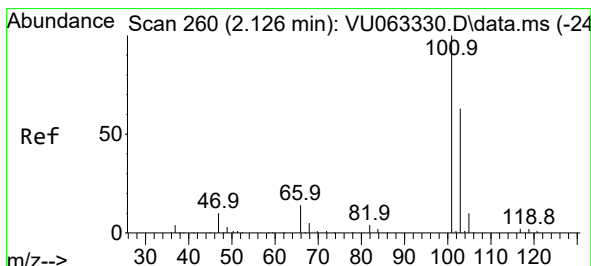
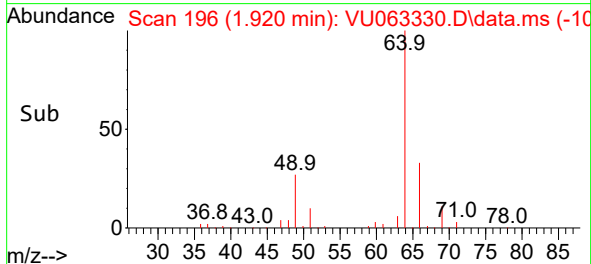
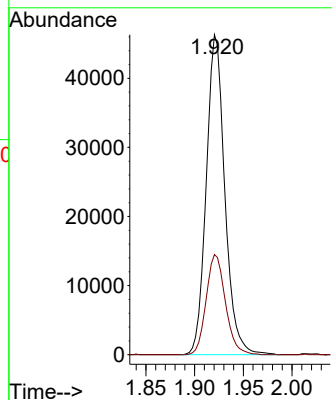
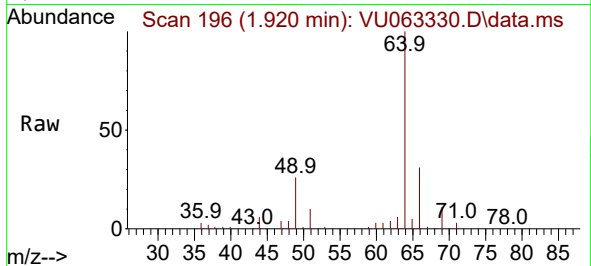




#8
Chloroethane
Concen: 4.88 ug/L
RT: 1.920 min Scan# 196
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

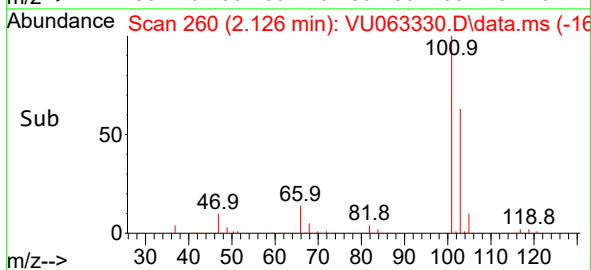
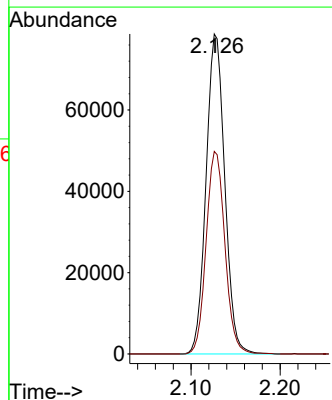
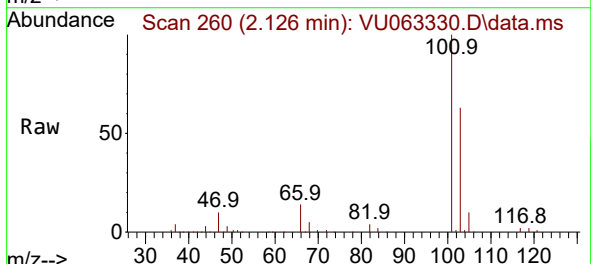
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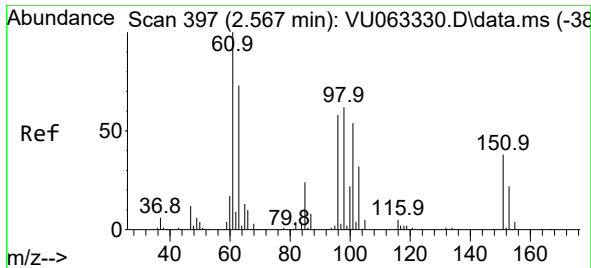
Tgt Ion: 64 Resp: 61444
Ion Ratio Lower Upper
64 100
66 31.3 21.9 40.7



#9
Trichlorofluoromethane
Concen: 4.92 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion:101 Resp: 114613
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3

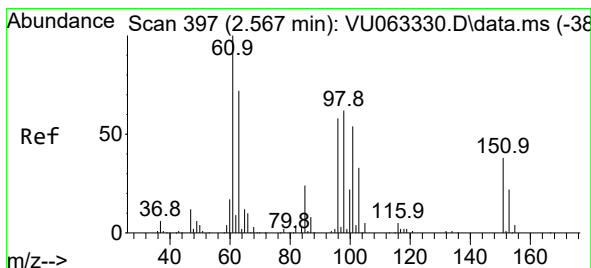
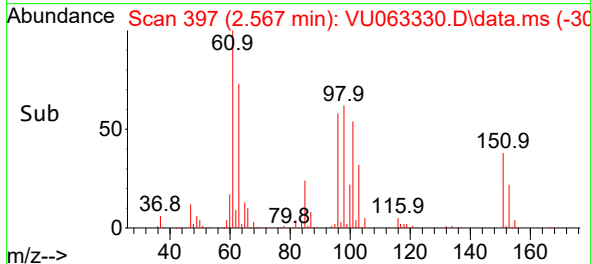
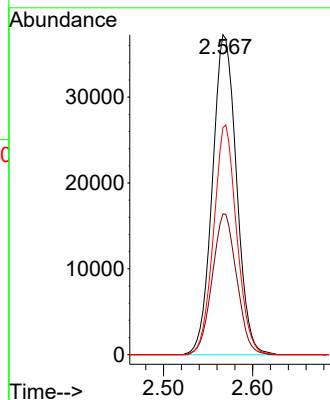
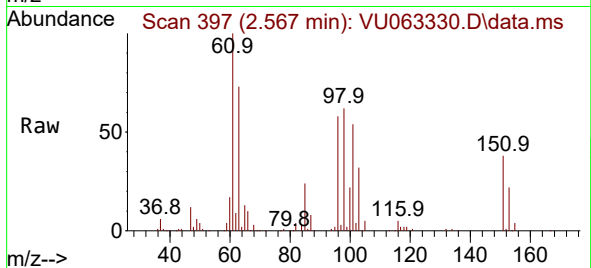




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.97 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

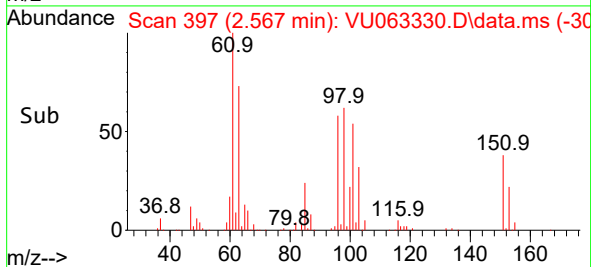
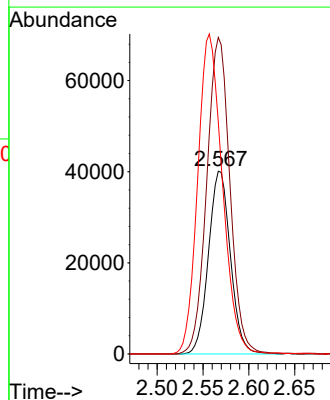
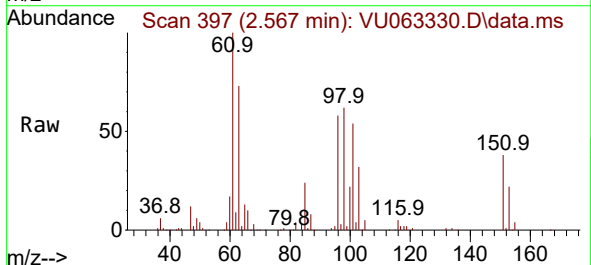
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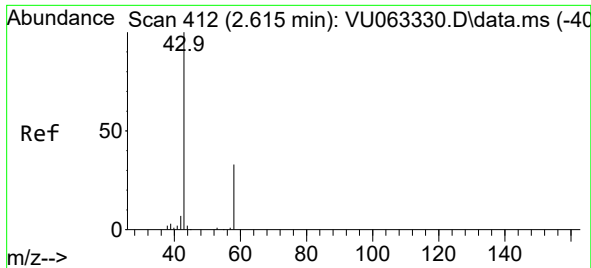
Tgt Ion:101 Resp: 69956
Ion Ratio Lower Upper
101 100
85 44.6 35.7 53.5
151 69.0 55.2 82.8



#12
1,1-Dichloroethene
Concen: 4.93 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion: 96 Resp: 66510
Ion Ratio Lower Upper
96 100
61 173.1 121.2 225.0
63 127.0 88.9 165.1





#13

Acetone

Concen: 48.84 ug/L

RT: 2.615 min Scan# 412

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

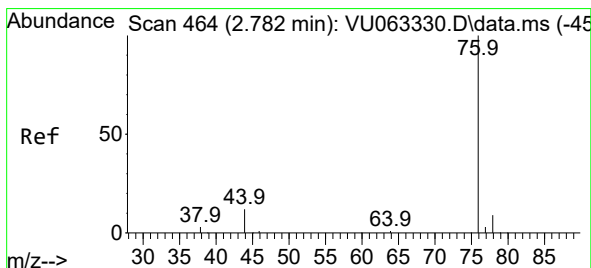
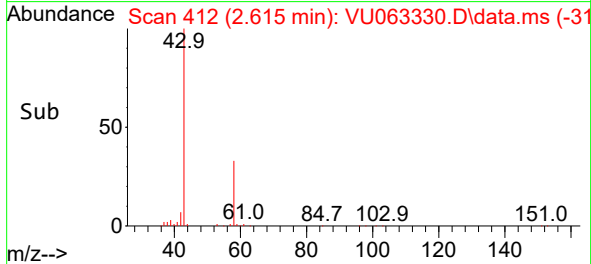
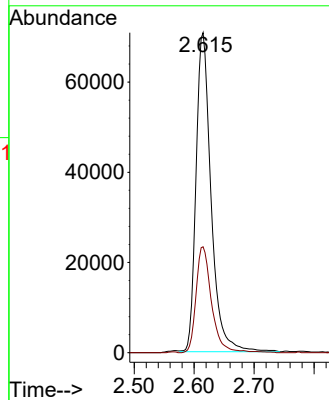
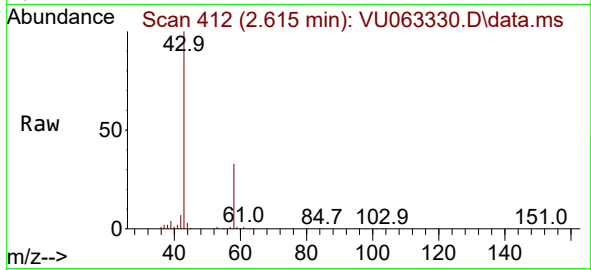
VSTD005014

Tgt Ion: 43 Resp: 123473

Ion Ratio Lower Upper

43 100

58 34.4 0.0 68.8



#14

Carbon disulfide

Concen: 4.90 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063330.D

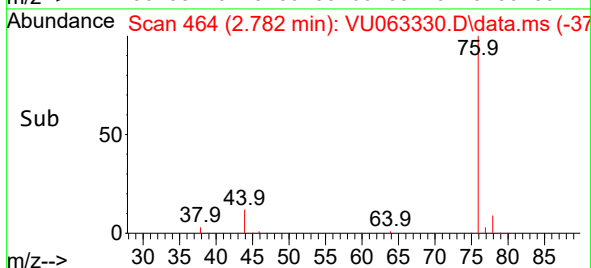
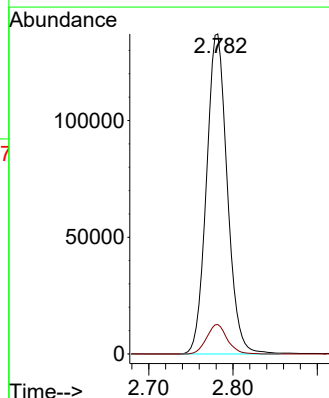
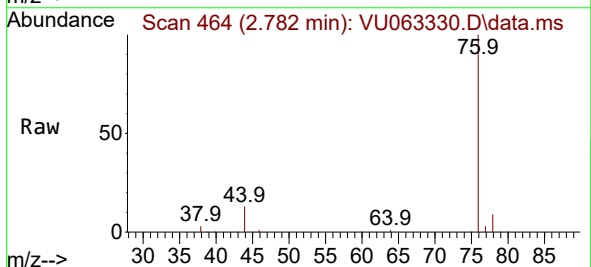
Acq: 03 Apr 2025 15:36

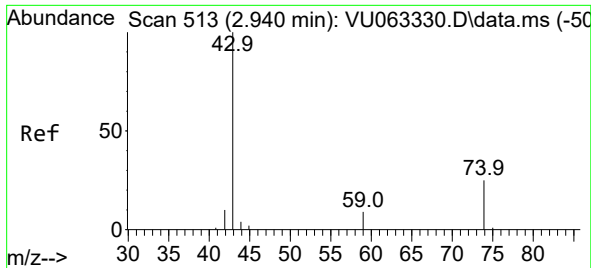
Tgt Ion: 76 Resp: 235678

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

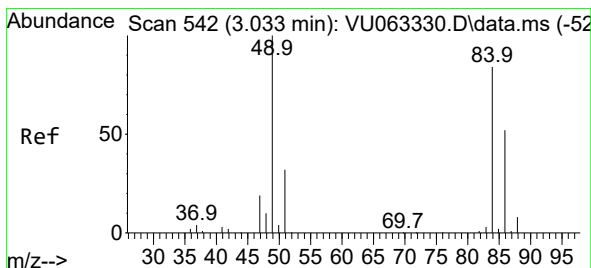
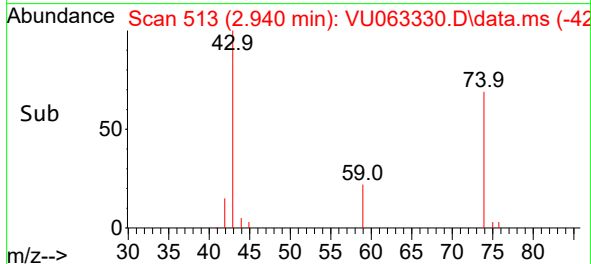
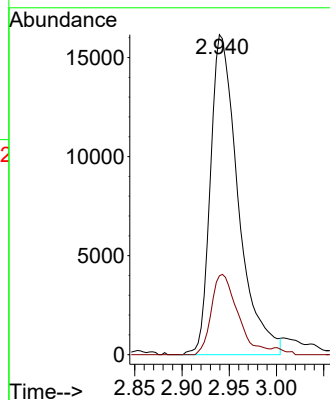
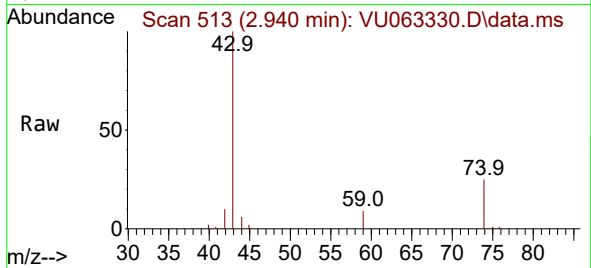




#15
Methyl Acetate
Concen: 4.94 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

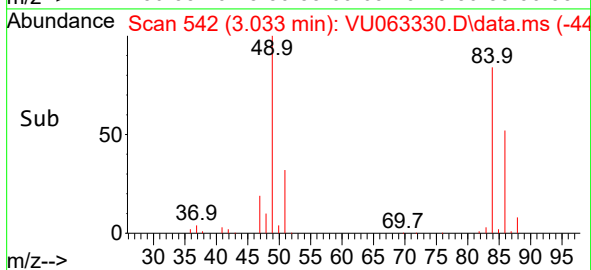
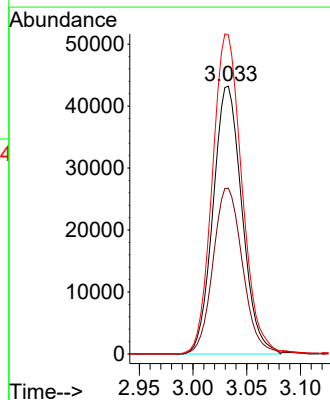
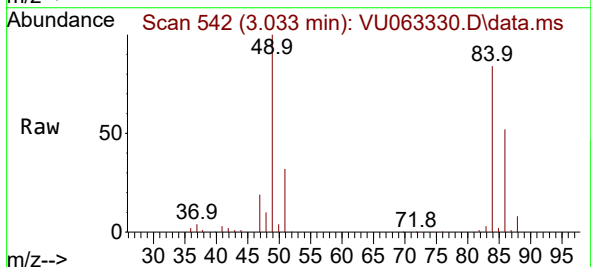
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

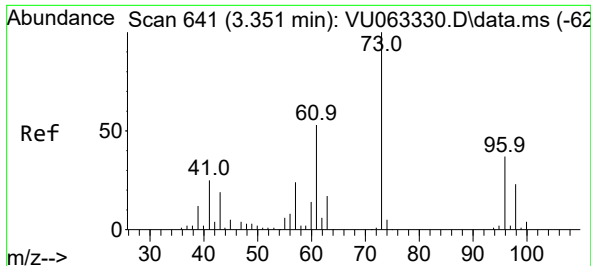
Tgt Ion: 43 Resp: 32987
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 4.72 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion: 84 Resp: 80857
Ion Ratio Lower Upper
84 100
86 61.9 43.3 80.5
49 119.1 83.4 154.8

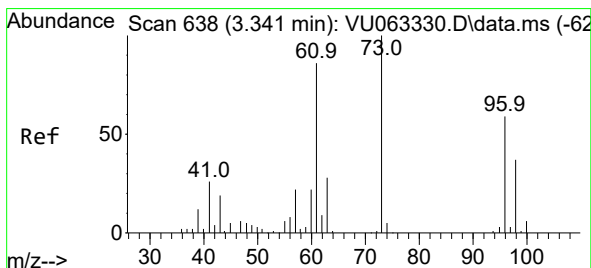
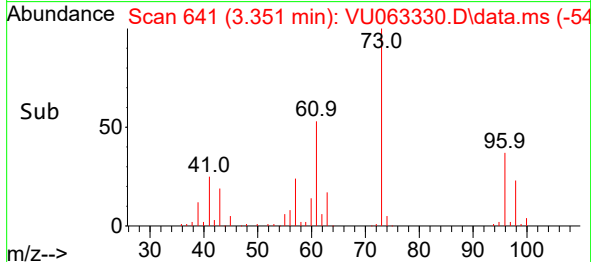
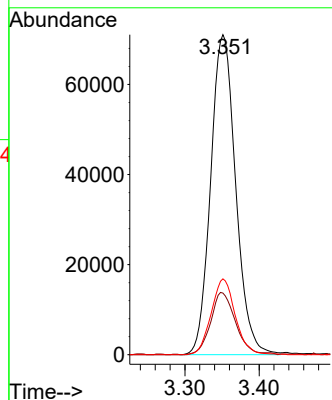
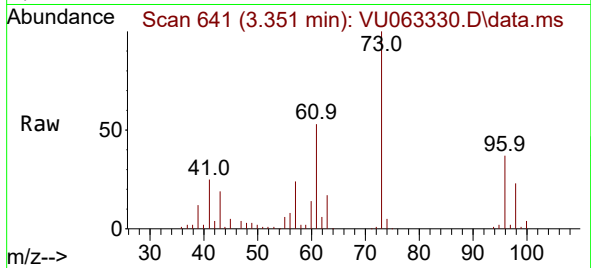




#17
Methyl tert-butyl Ether
Concen: 4.85 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

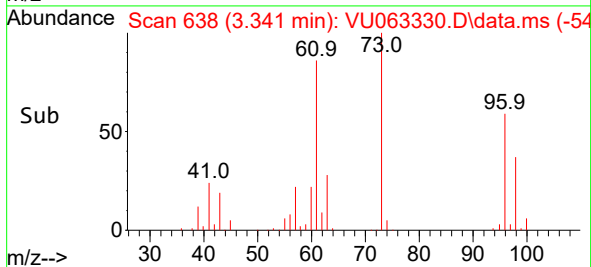
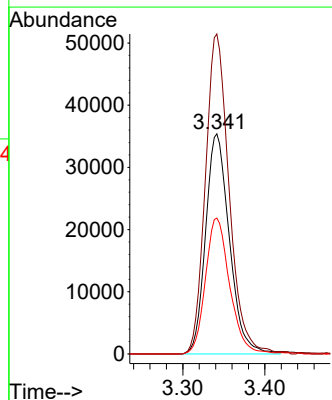
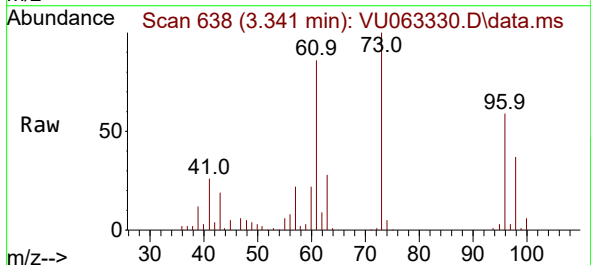
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

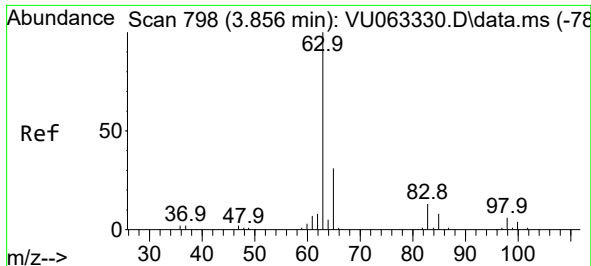
Tgt Ion: 73 Resp: 166546
Ion Ratio Lower Upper
73 100
43 19.4 15.5 23.3
57 22.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.95 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion: 96 Resp: 71334
Ion Ratio Lower Upper
96 100
61 145.4 101.8 189.0
98 61.7 43.2 80.2





#19

1,1-Dichloroethane

Concen: 4.91 ug/L

RT: 3.856 min Scan# 798

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005014

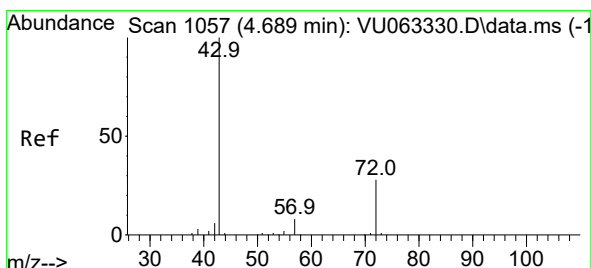
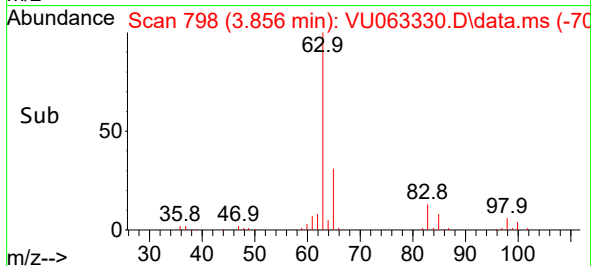
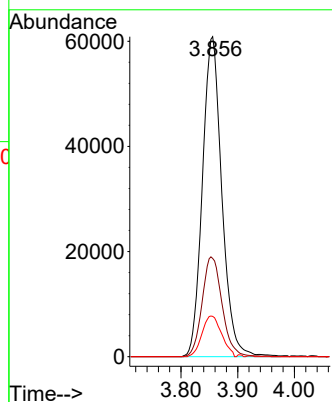
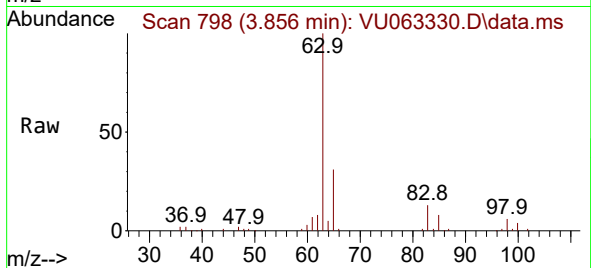
Tgt Ion: 63 Resp: 144948

Ion Ratio Lower Upper

63 100

65 30.7 21.5 39.9

83 12.6 8.8 16.4



#21

2-Butanone

Concen: 52.70 ug/L

RT: 4.689 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VU063330.D

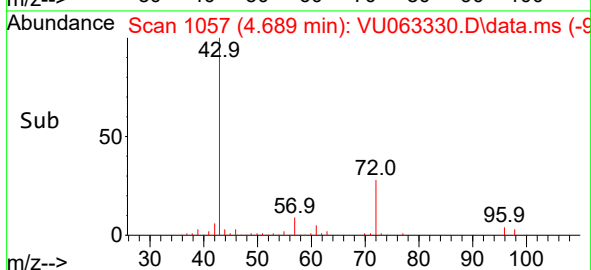
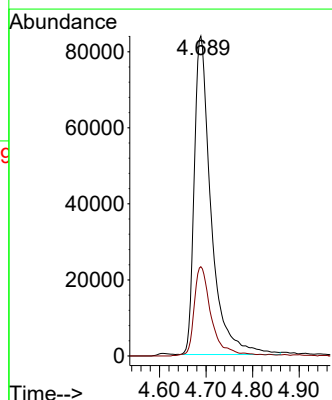
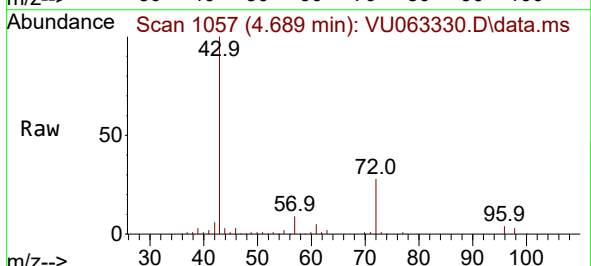
Acq: 03 Apr 2025 15:36

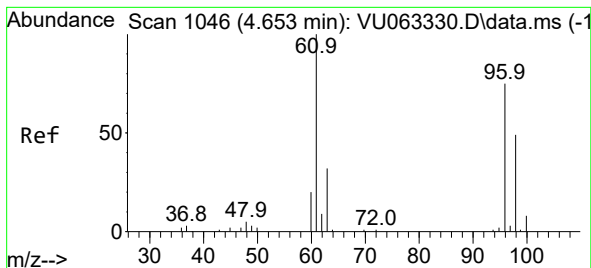
Tgt Ion: 43 Resp: 210091

Ion Ratio Lower Upper

43 100

72 28.0 14.0 42.0





#22

cis-1,2-Dichloroethene

Concen: 4.93 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005014

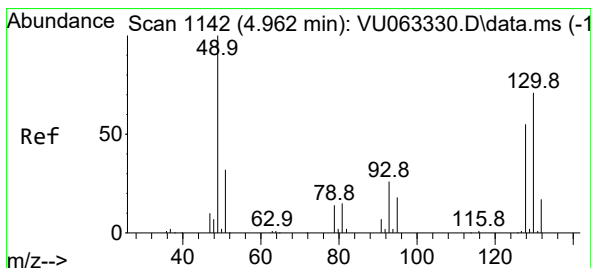
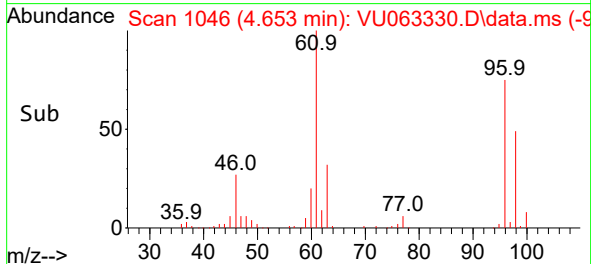
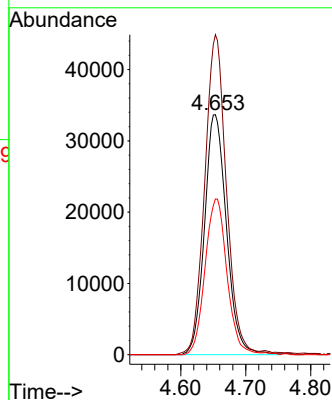
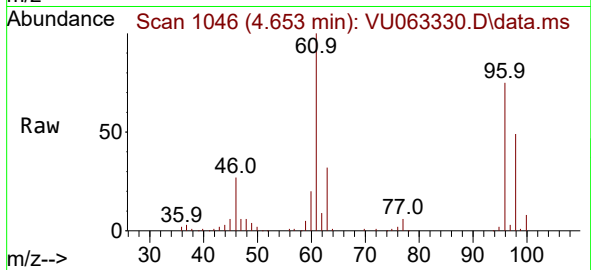
Tgt Ion: 96 Resp: 79404

Ion Ratio Lower Upper

96 100

61 133.3 93.3 173.3

98 64.9 45.4 84.4



#23

Bromochloromethane

Concen: 4.87 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Tgt Ion: 128 Resp: 36304

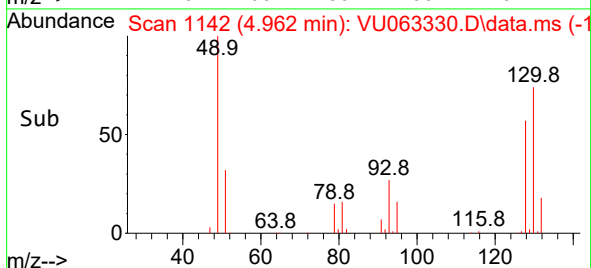
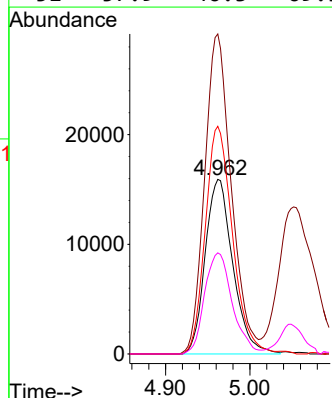
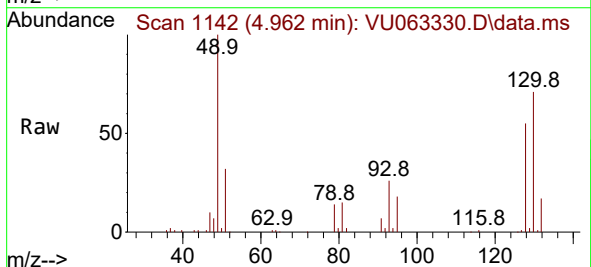
Ion Ratio Lower Upper

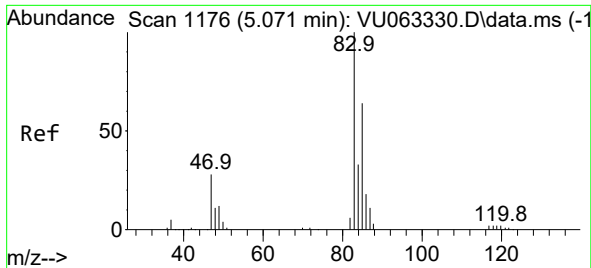
128 100

49 183.4 128.4 238.4

130 130.5 91.3 169.6

51 57.9 46.3 69.5

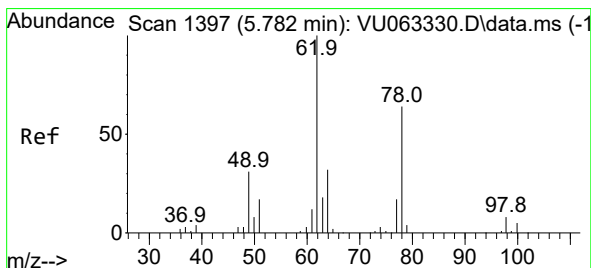
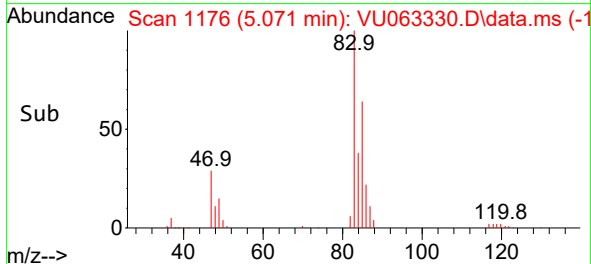
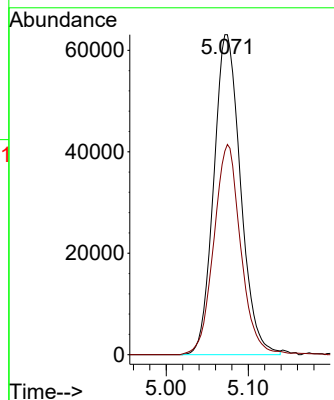
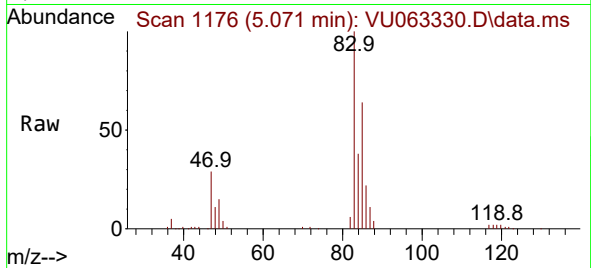




#25
Chloroform
Concen: 4.87 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

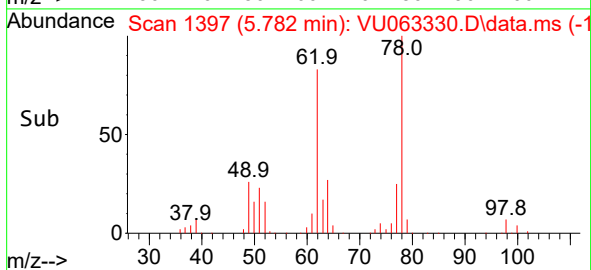
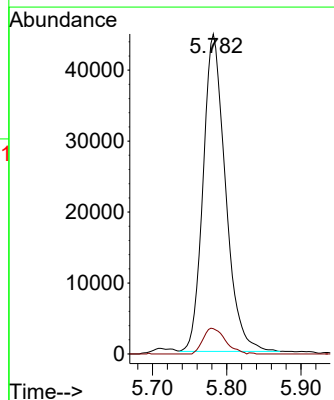
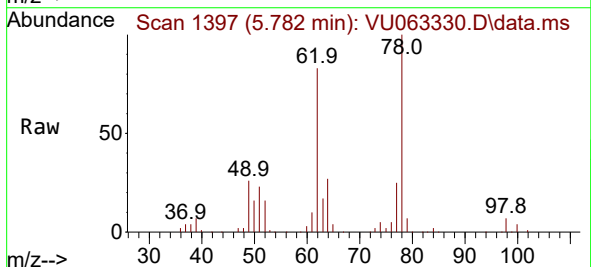
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

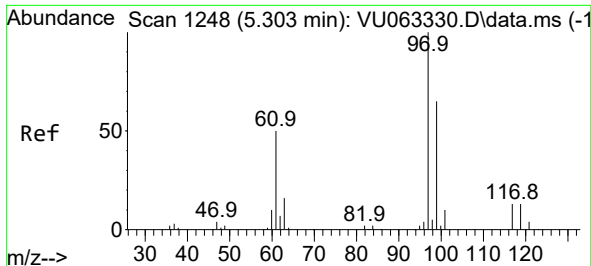
Tgt Ion: 83 Resp: 143650
Ion Ratio Lower Upper
83 100
85 63.6 44.5 82.7



#27
1,2-Dichloroethane
Concen: 4.99 ug/L
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion: 62 Resp: 93809
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 4.98 ug/L

RT: 5.303 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005014

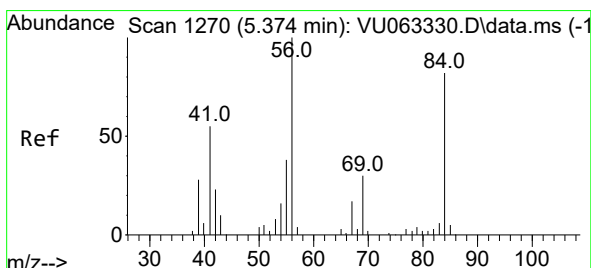
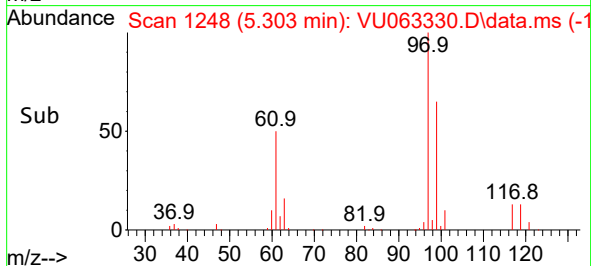
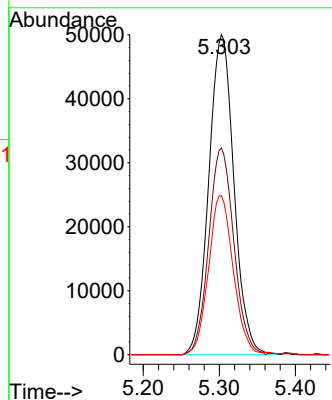
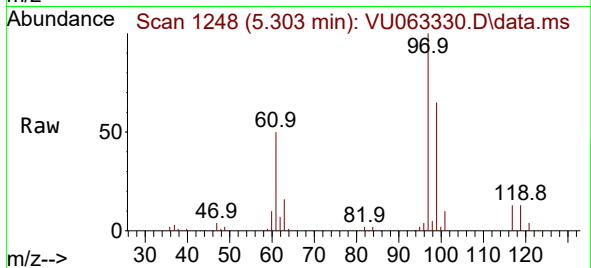
Tgt Ion: 97 Resp: 114929

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 48.8 39.0 58.6



#30

Cyclohexane

Concen: 5.01 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

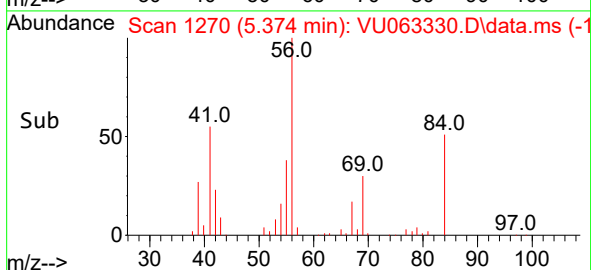
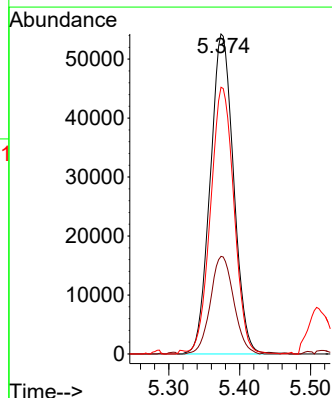
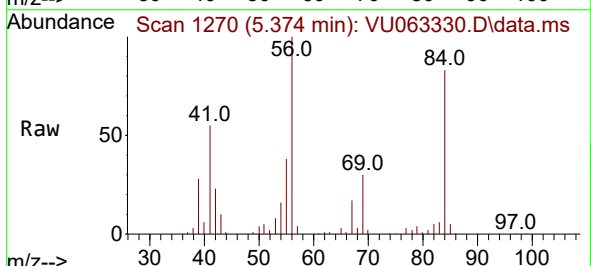
Tgt Ion: 56 Resp: 124522

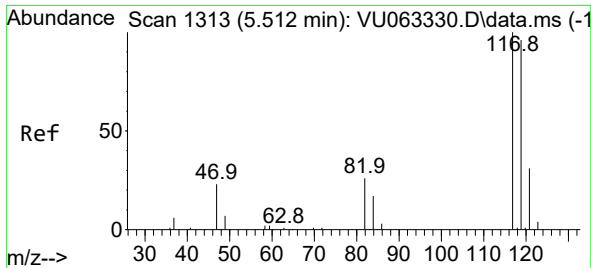
Ion Ratio Lower Upper

56 100

69 30.4 24.3 36.5

84 83.5 66.8 100.2

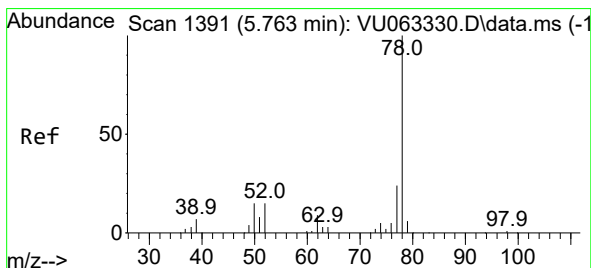
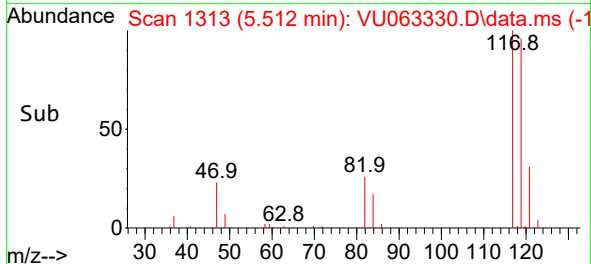
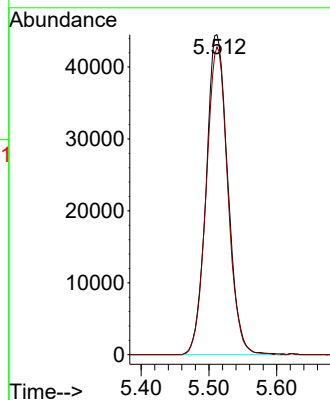
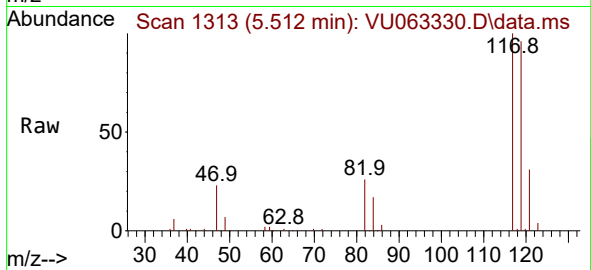




#31
Carbon tetrachloride
Concen: 4.99 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

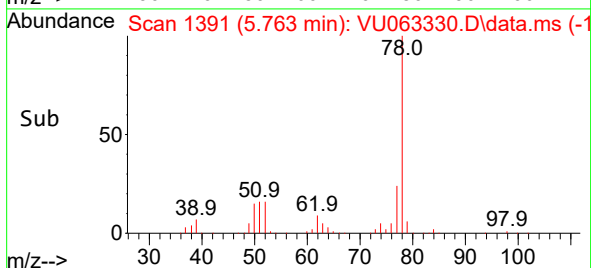
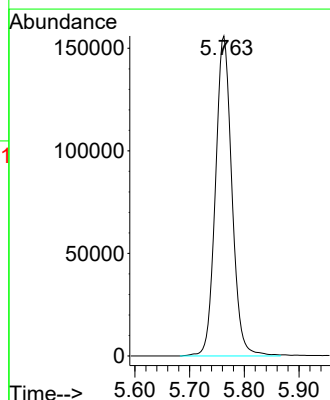
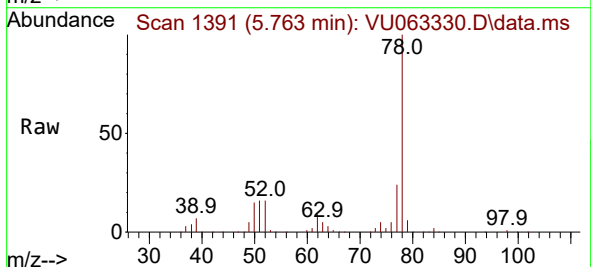
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

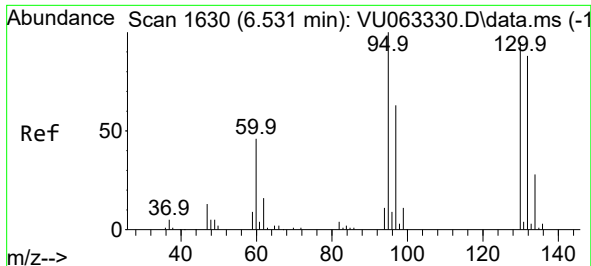
Tgt Ion:117 Resp: 98855
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7



#33
Benzene
Concen: 5.10 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion: 78 Resp: 325800

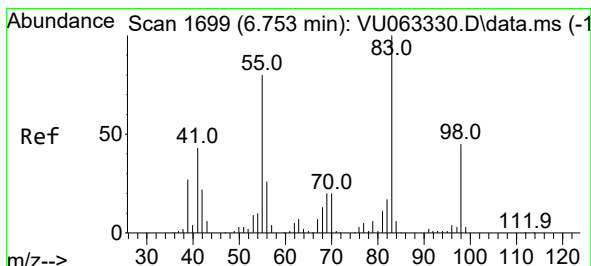
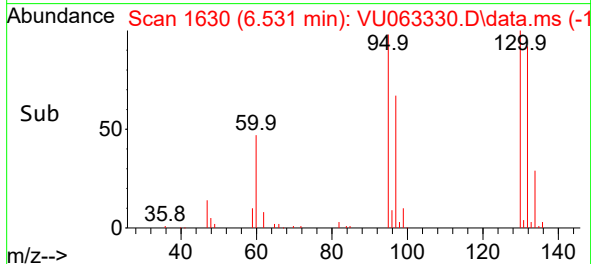
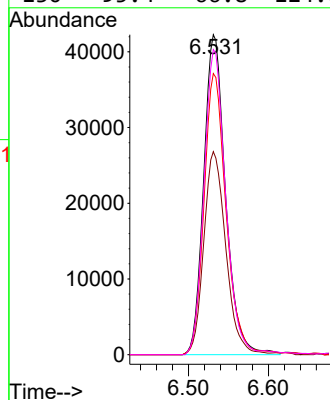
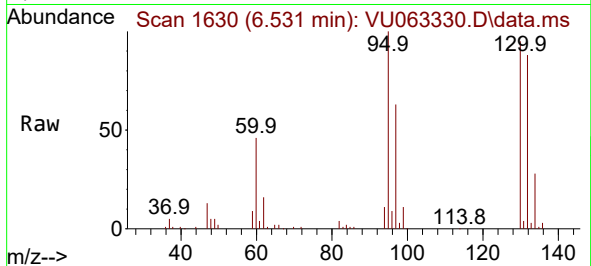




#34
Trichloroethene
Concen: 4.98 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

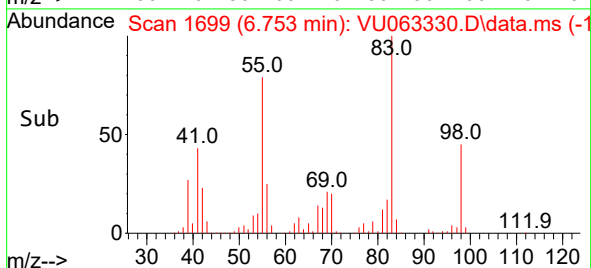
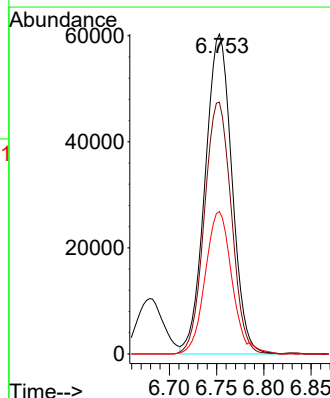
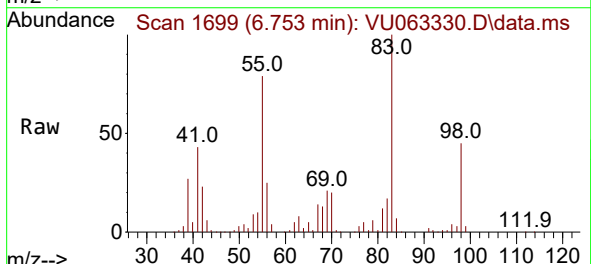
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

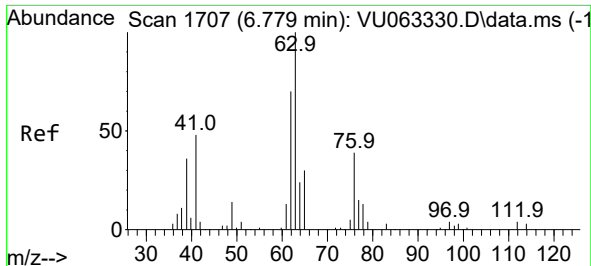
Tgt Ion: 95 Resp: 80482
Ion Ratio Lower Upper
95 100
97 63.4 44.4 82.4
132 87.9 61.5 114.3
130 95.4 66.8 124.0



#35
Methylcyclohexane
Concen: 5.06 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion: 83 Resp: 119200
Ion Ratio Lower Upper
83 100
55 78.9 63.1 94.7
98 44.4 35.5 53.3





#37

1,2-Dichloropropane

Concen: 5.01 ug/L

RT: 6.779 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

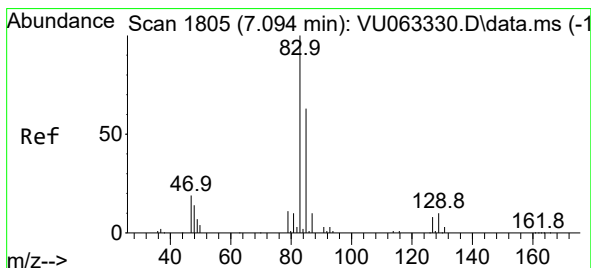
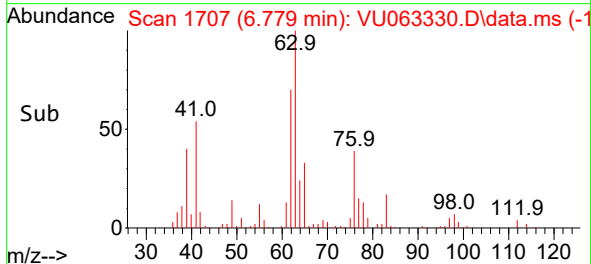
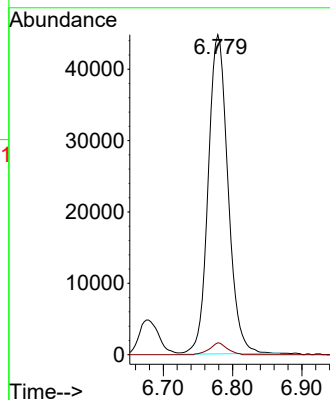
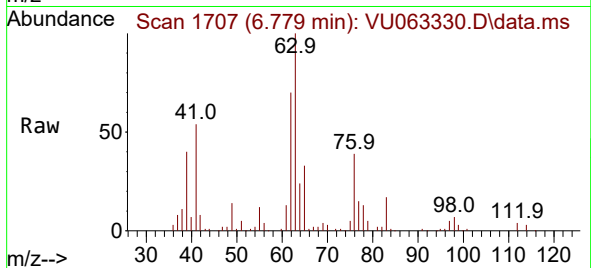
VSTD005014

Tgt Ion: 63 Resp: 88670

Ion Ratio Lower Upper

63 100

112 3.3 2.6 4.0



#38

Bromodichloromethane

Concen: 4.90 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

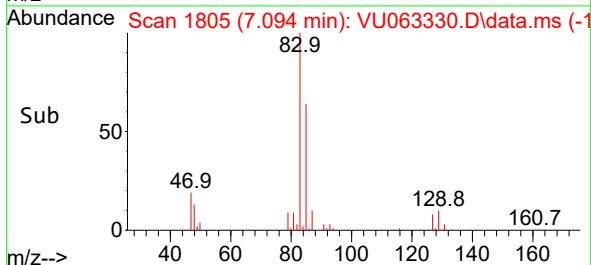
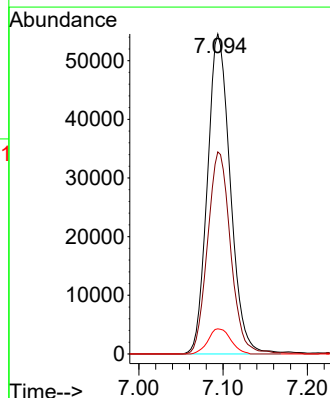
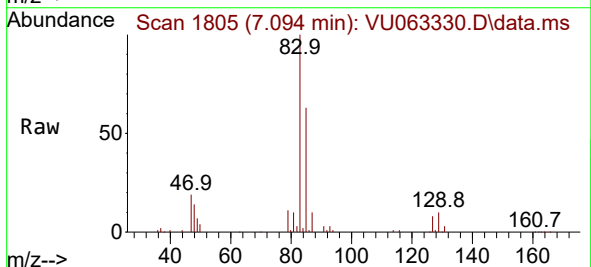
Tgt Ion: 83 Resp: 102890

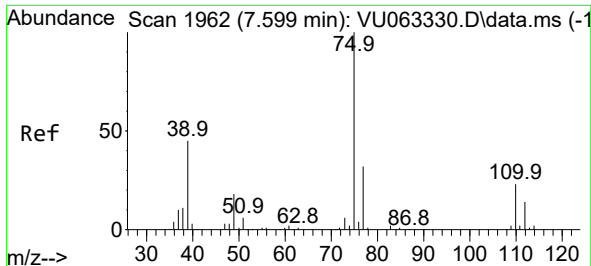
Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.0

127 7.8 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 4.97 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

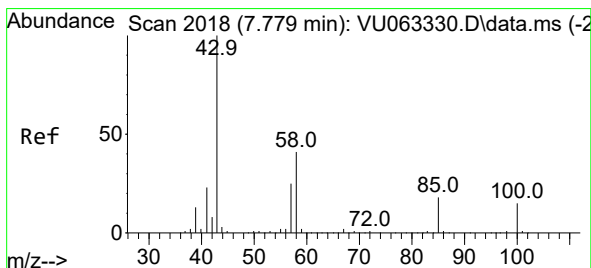
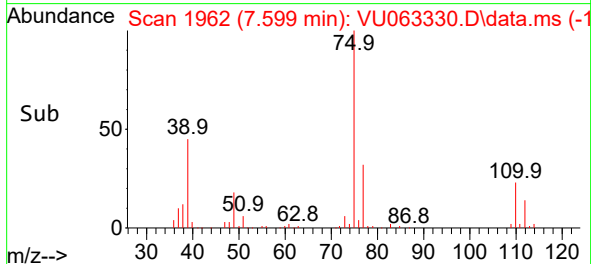
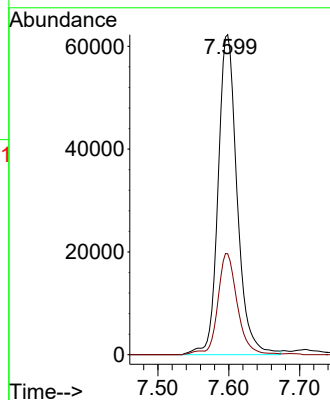
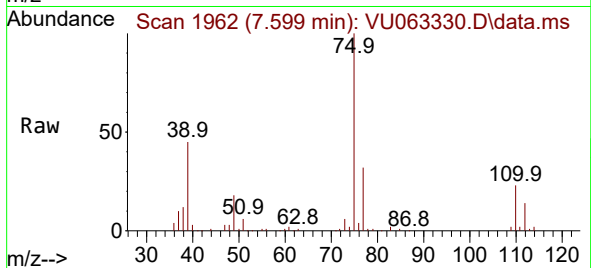
VSTD005014

Tgt Ion: 75 Resp: 116173

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 52.08 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

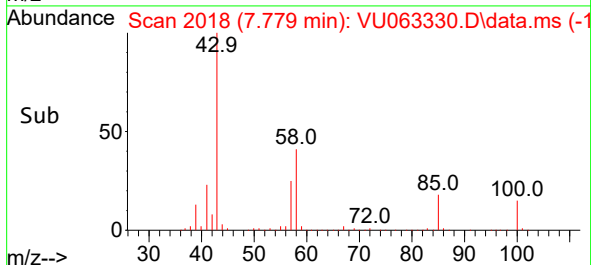
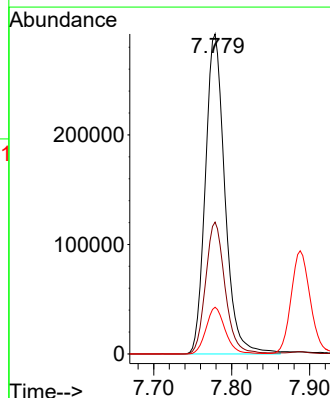
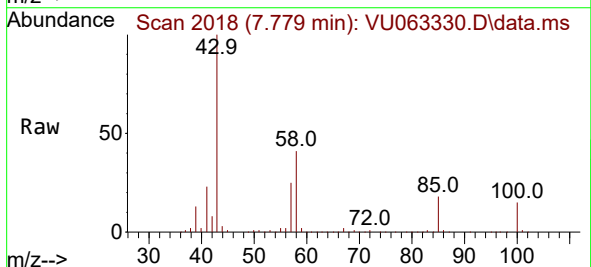
Tgt Ion: 43 Resp: 508929

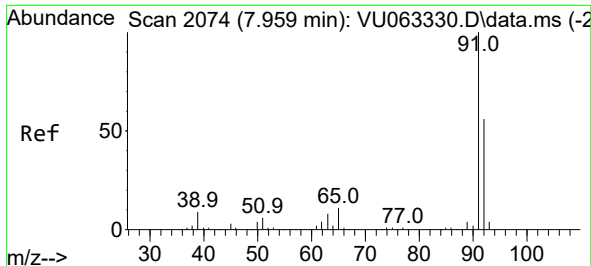
Ion Ratio Lower Upper

43 100

58 41.1 32.9 49.3

100 14.4 11.5 17.3





#42

Toluene

Concen: 5.22 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

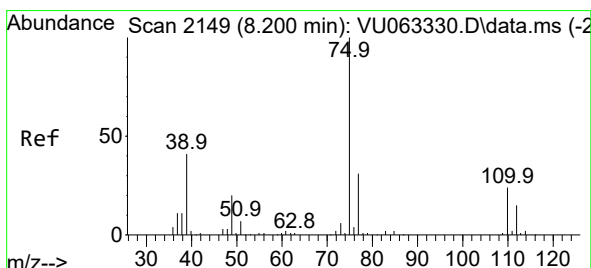
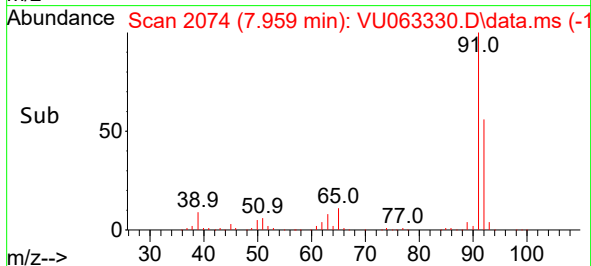
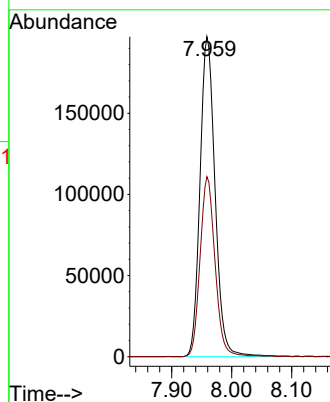
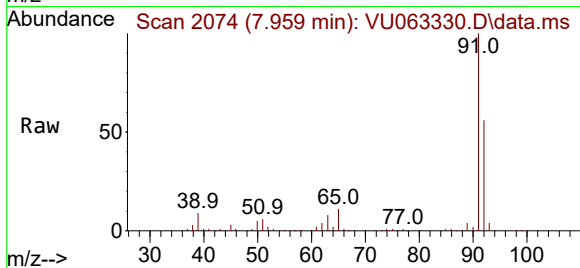
VSTD005014

Tgt Ion: 91 Resp: 345486

Ion Ratio Lower Upper

91 100

92 56.3 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 5.07 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063330.D

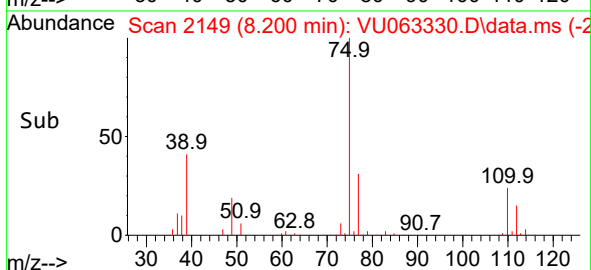
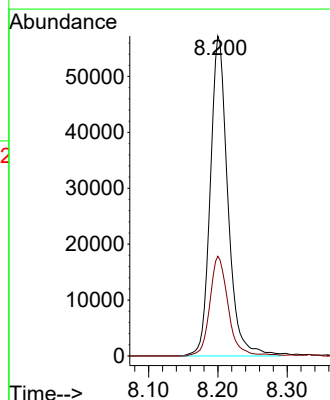
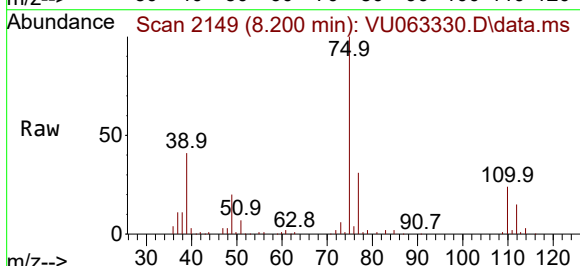
Acq: 03 Apr 2025 15:36

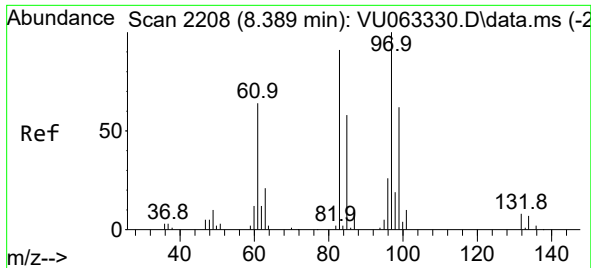
Tgt Ion: 75 Resp: 100506

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6

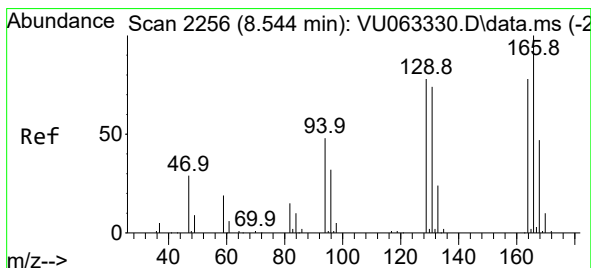
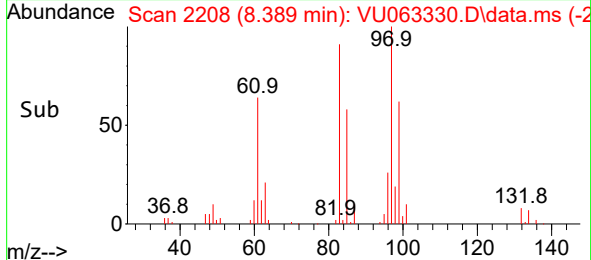
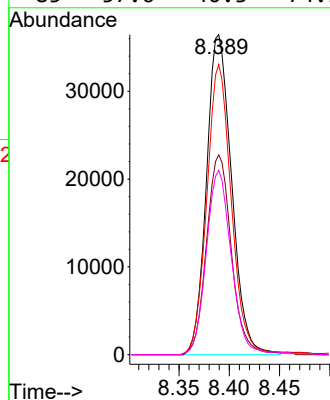
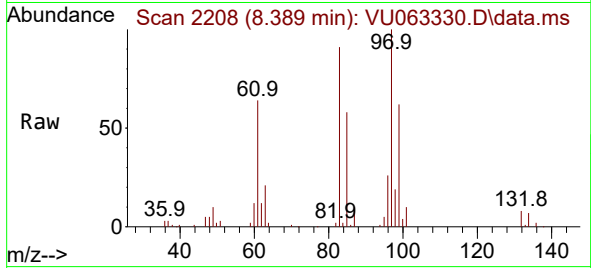




#45
1,1,2-Trichloroethane
Concen: 5.12 ug/L
RT: 8.389 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

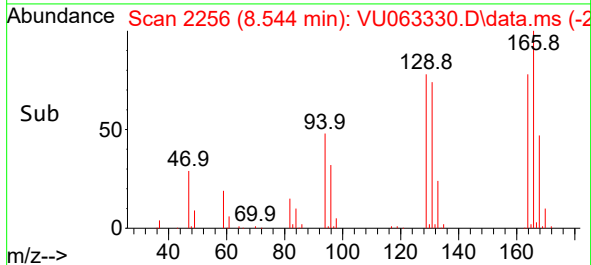
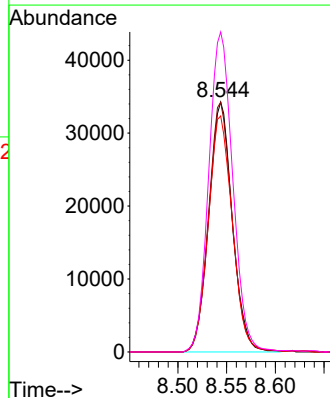
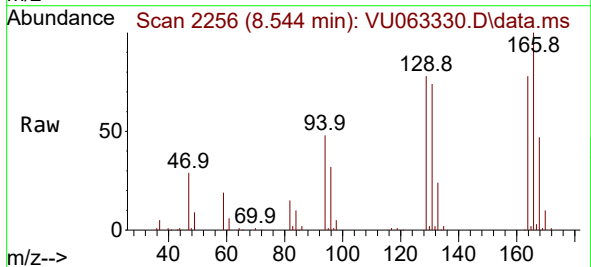
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

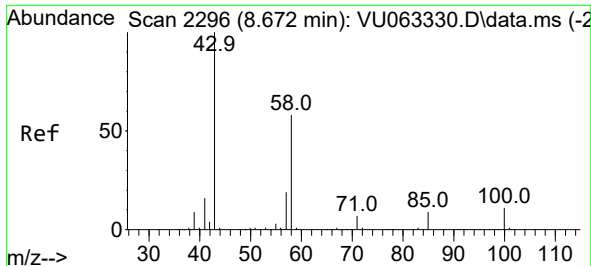
Tgt Ion:	97	Resp:	63432
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	90.7	63.5	117.9
85	57.6	40.3	74.9



#47
Tetrachloroethene
Concen: 4.96 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion:	164	Resp:	57343
Ion	Ratio	Lower	Upper
164	100		
129	99.9	69.9	129.9
131	94.4	66.1	122.7
166	128.0	89.6	166.4

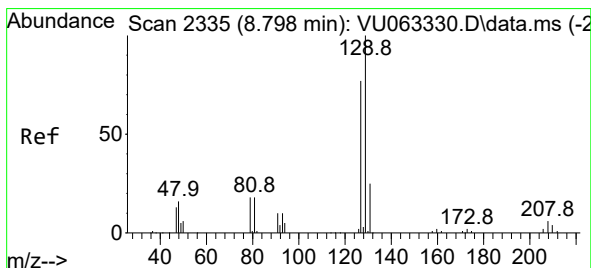
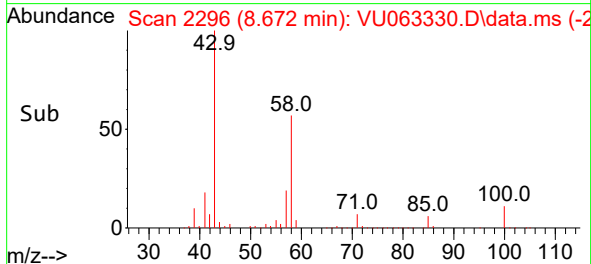
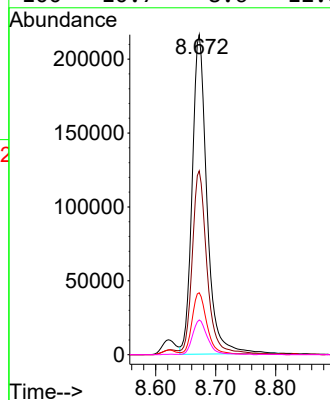
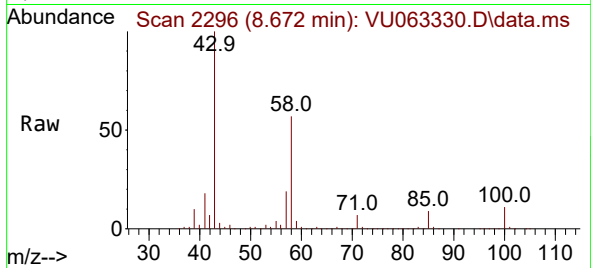




#48
2-Hexanone
Concen: 53.92 ug/L
RT: 8.672 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

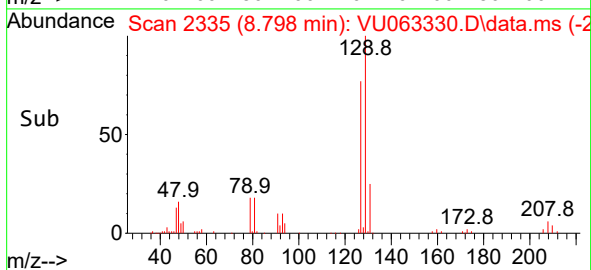
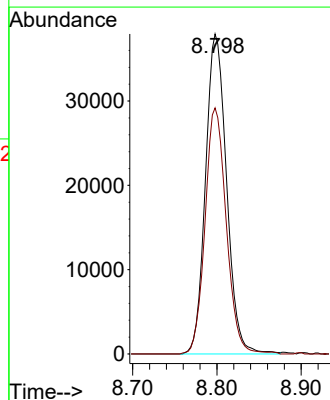
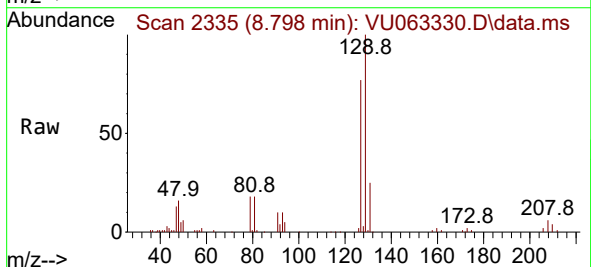
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

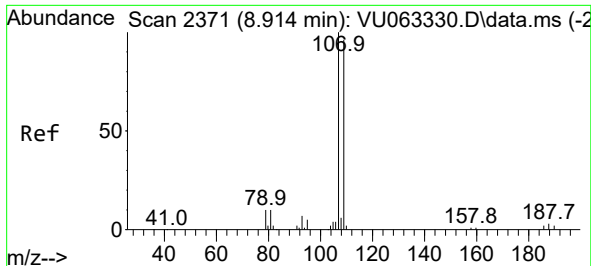
Tgt Ion: 43 Resp: 370757
Ion Ratio Lower Upper
43 100
58 57.1 45.7 68.5
57 19.0 15.2 22.8
100 10.7 8.6 12.8



#49
Dibromochloromethane
Concen: 4.99 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion: 129 Resp: 66100
Ion Ratio Lower Upper
129 100
127 76.9 53.8 100.0

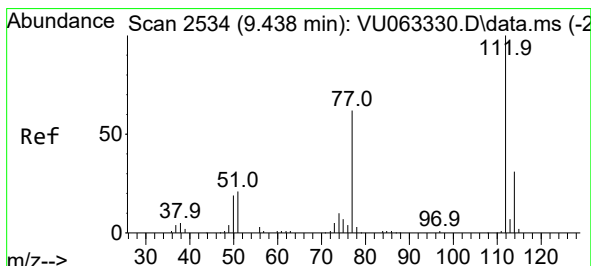
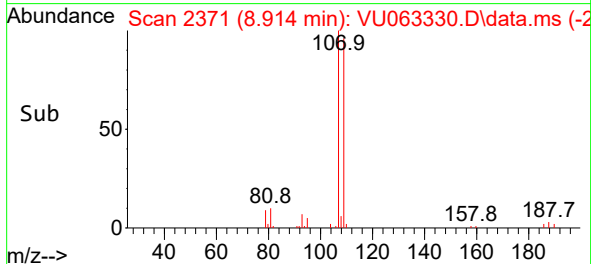
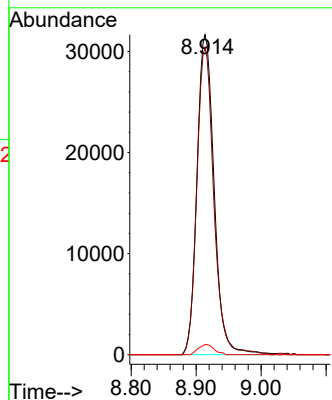
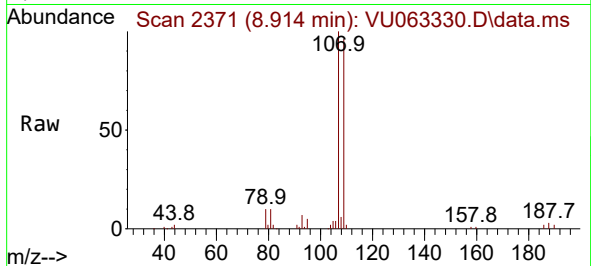




#50
1,2-Dibromoethane
Concen: 5.07 ug/L
RT: 8.914 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

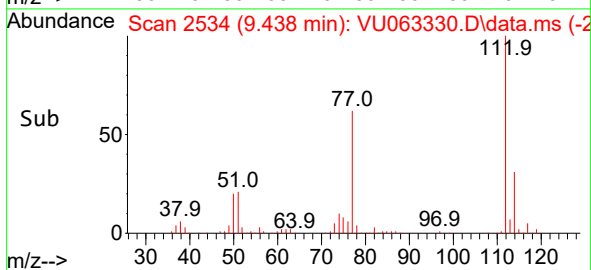
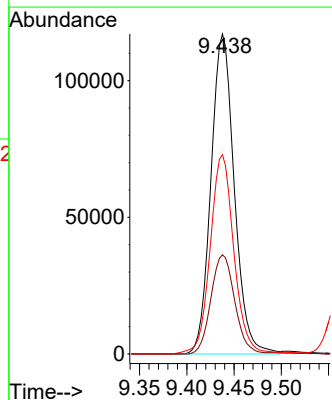
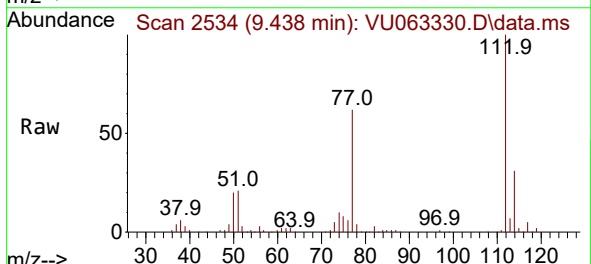
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

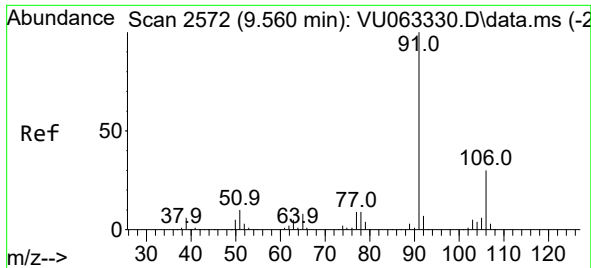
Tgt Ion:107 Resp: 58173
Ion Ratio Lower Upper
107 100
109 96.0 67.2 124.8
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 4.89 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion:112 Resp: 200859
Ion Ratio Lower Upper
112 100
114 31.0 21.7 40.3
77 62.2 49.8 74.6

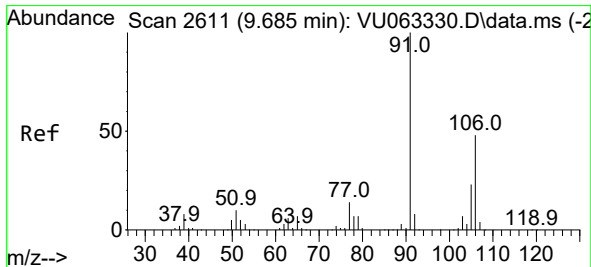
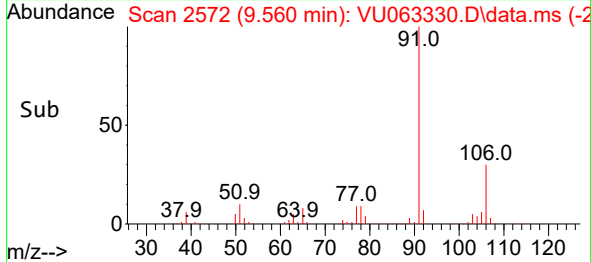
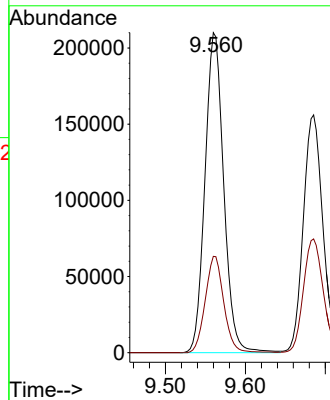
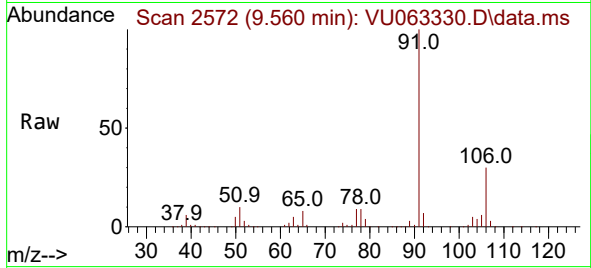




#52
Ethylbenzene
Concen: 5.08 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

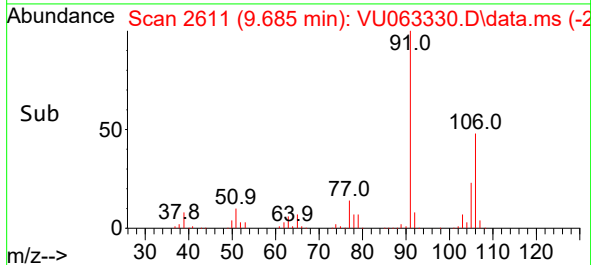
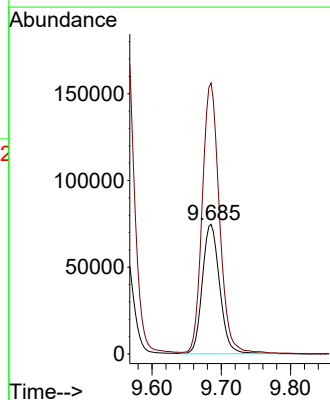
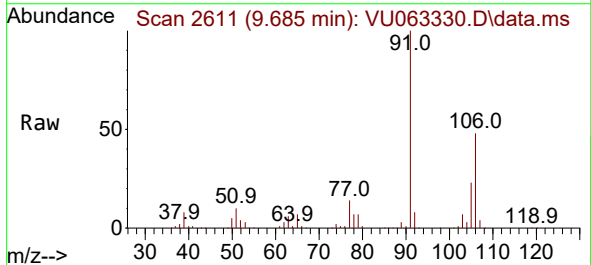
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

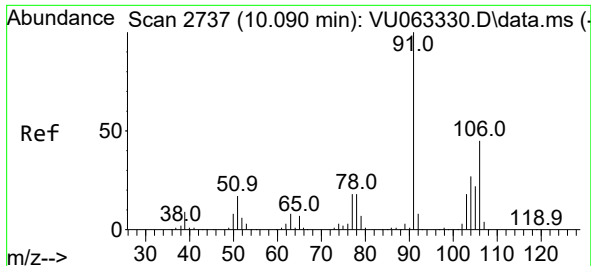
Tgt Ion: 91 Resp: 342718
Ion Ratio Lower Upper
91 100
106 30.1 21.1 39.1



#53
m,p-Xylene
Concen: 5.25 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion: 106 Resp: 129275
Ion Ratio Lower Upper
106 100
91 209.0 146.3 271.7

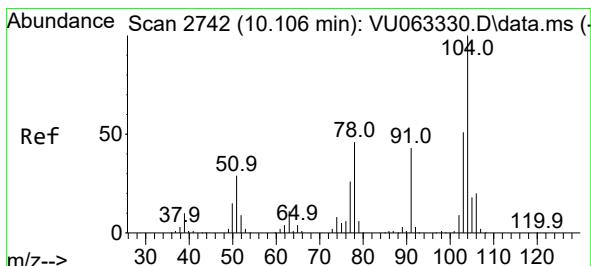
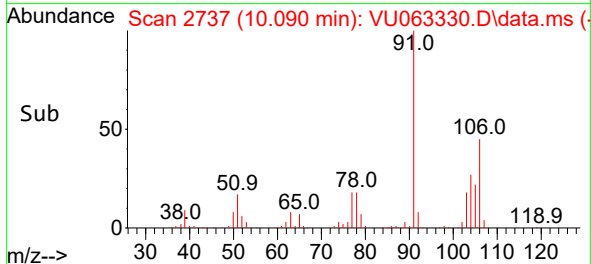
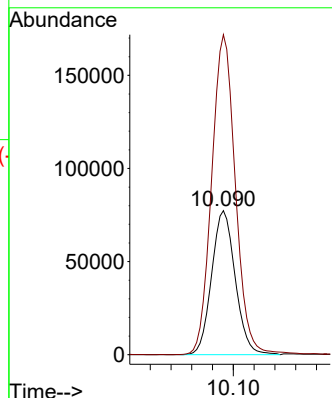
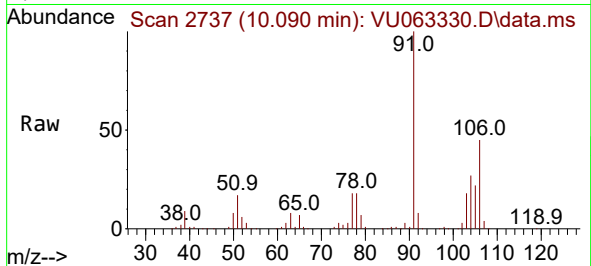




#54
o-Xylene
Concen: 5.16 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

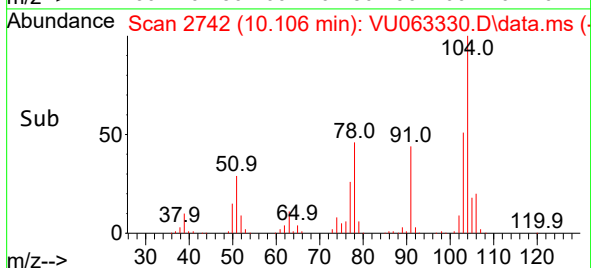
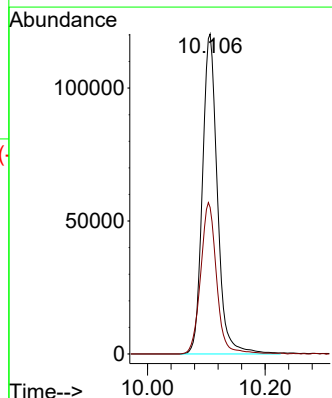
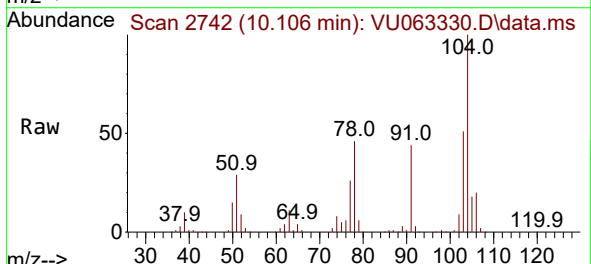
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

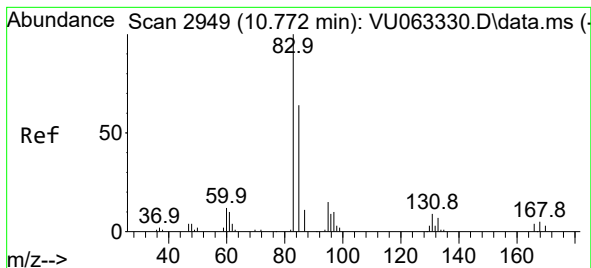
Tgt Ion:106 Resp: 121980
Ion Ratio Lower Upper
106 100
91 222.3 155.6 289.0



#55
Styrene
Concen: 5.40 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion:104 Resp: 212568
Ion Ratio Lower Upper
104 100
78 45.8 32.1 59.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.02 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005014

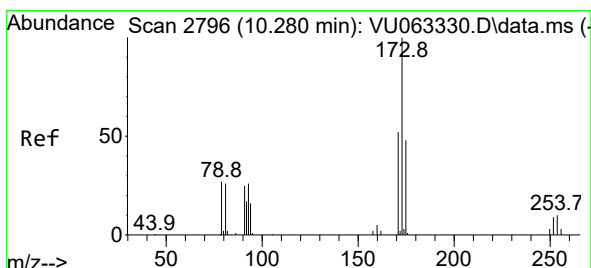
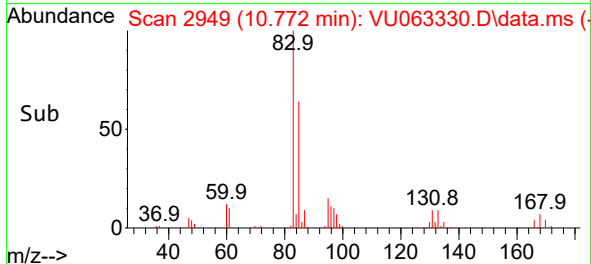
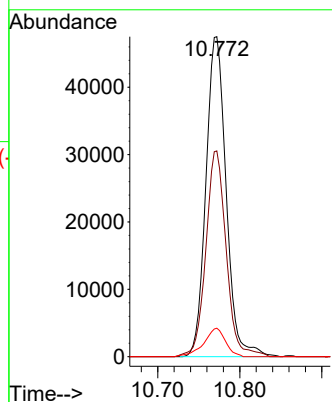
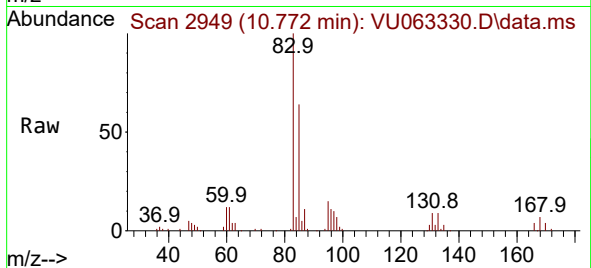
Tgt Ion: 83 Resp: 81407

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

131 8.9 7.1 10.7



#59

Bromoform

Concen: 4.74 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

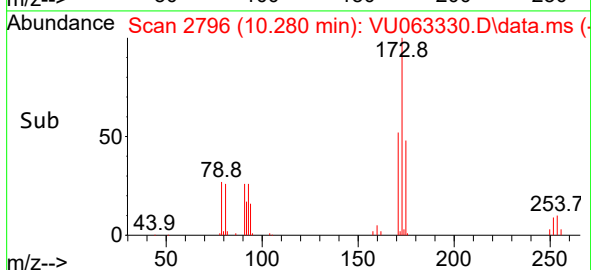
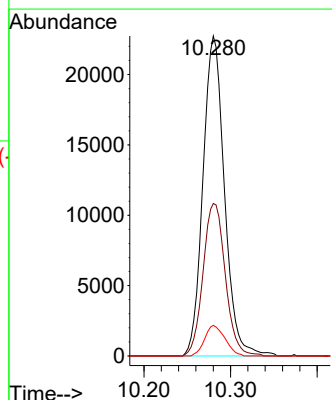
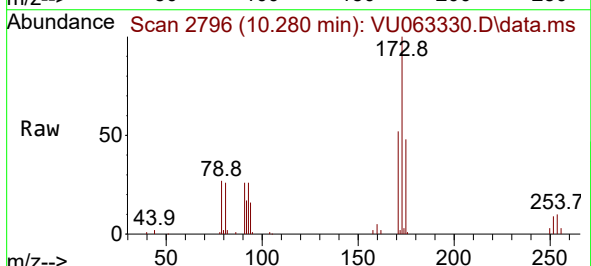
Tgt Ion:173 Resp: 39274

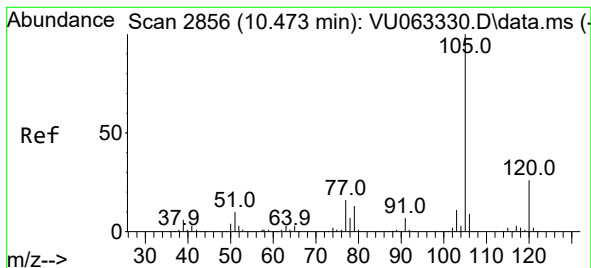
Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

254 9.0 7.2 10.8





#60

Isopropylbenzene

Concen: 5.00 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005014

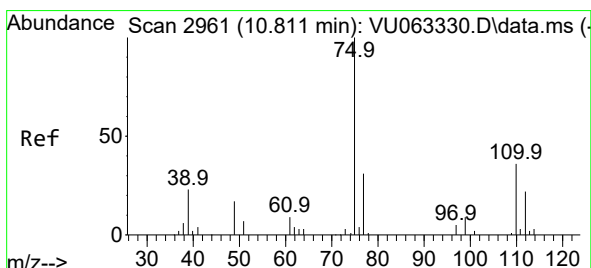
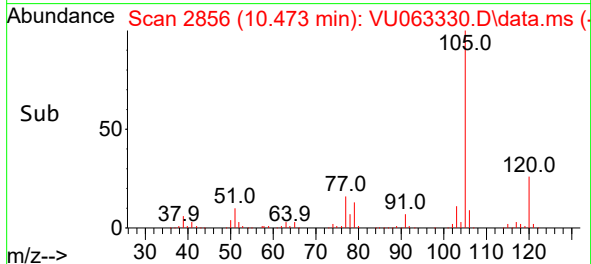
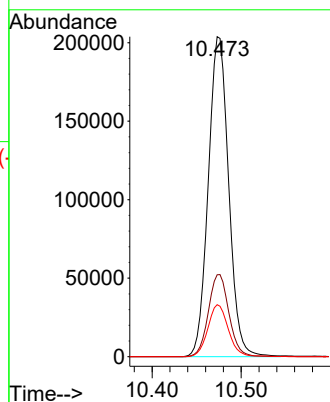
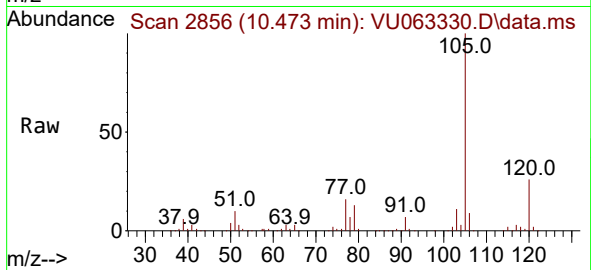
Tgt Ion:105 Resp: 323646

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

77 16.4 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 4.82 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

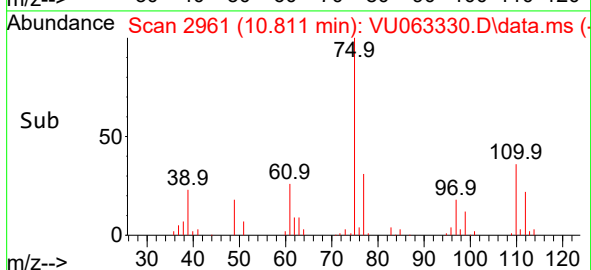
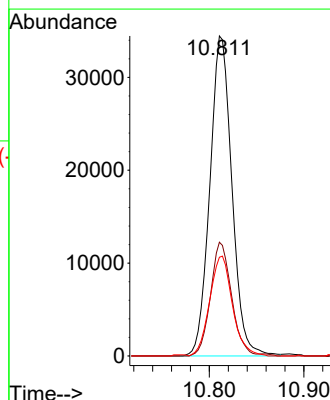
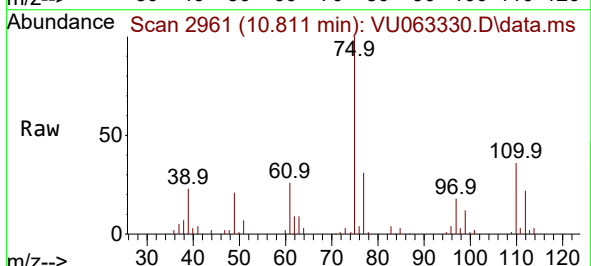
Tgt Ion: 75 Resp: 55905

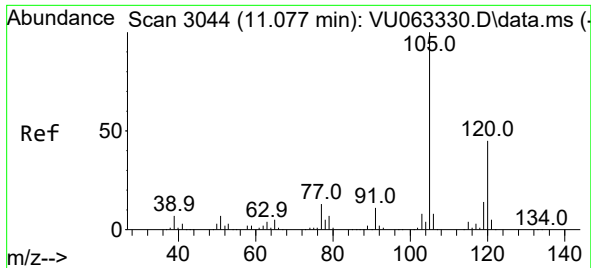
Ion Ratio Lower Upper

75 100

110 33.8 27.0 40.6

77 32.1 25.7 38.5

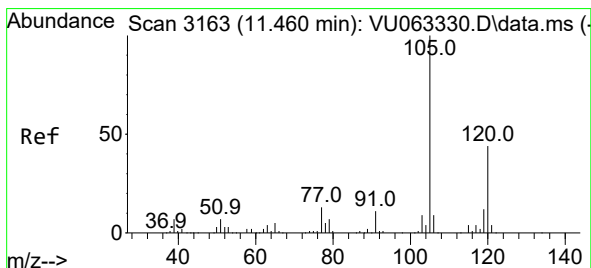
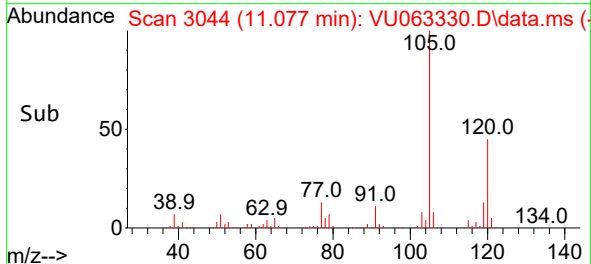
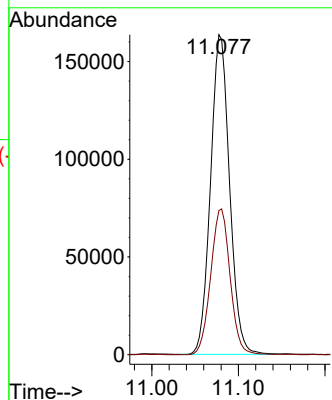
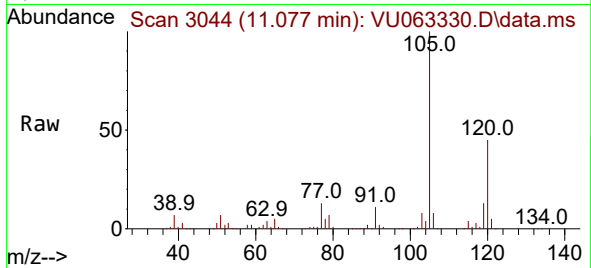




#62
1,3,5-Trimethylbenzene
Concen: 4.96 ug/L
RT: 11.077 min Scan# 3044
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

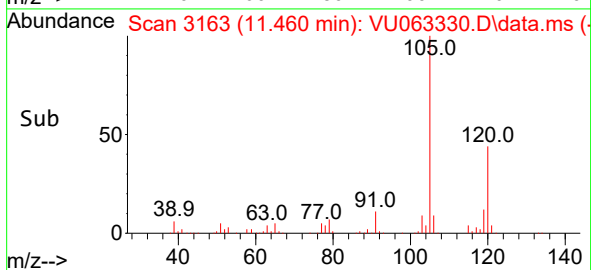
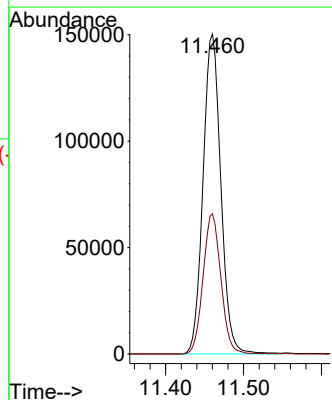
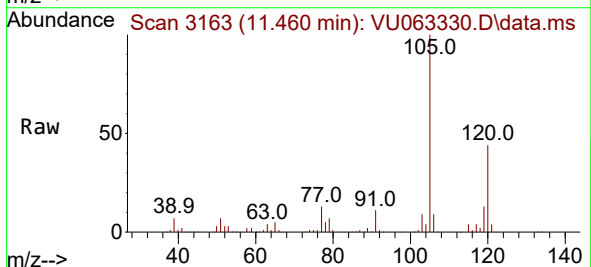
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

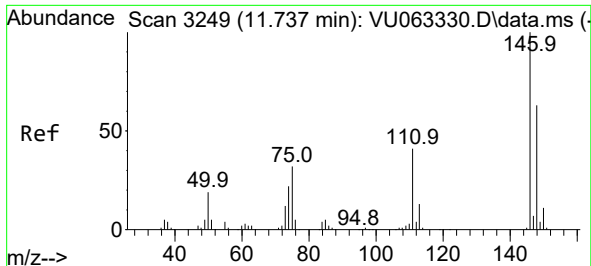
Tgt Ion:105 Resp: 250215
Ion Ratio Lower Upper
105 100
120 46.5 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 5.07 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion:105 Resp: 238623
Ion Ratio Lower Upper
105 100
120 43.8 35.0 52.6

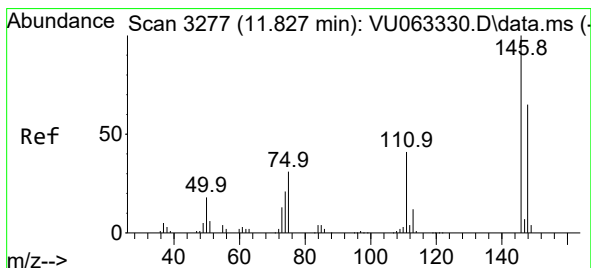
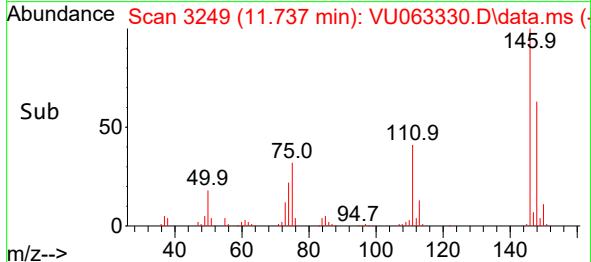
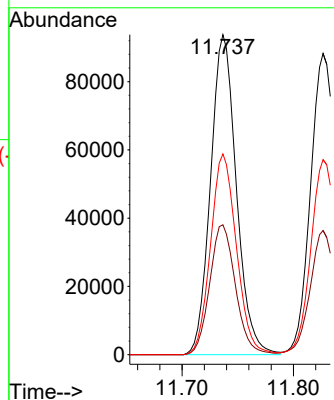
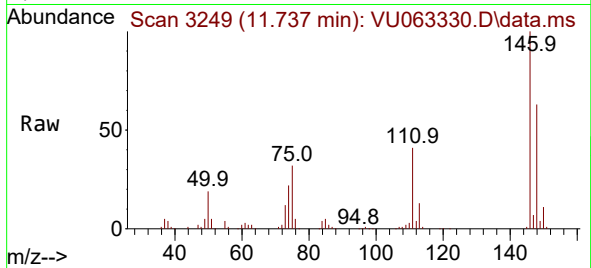




#64
1,3-Dichlorobenzene
Concen: 4.88 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

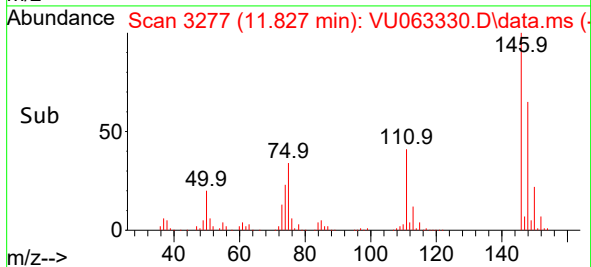
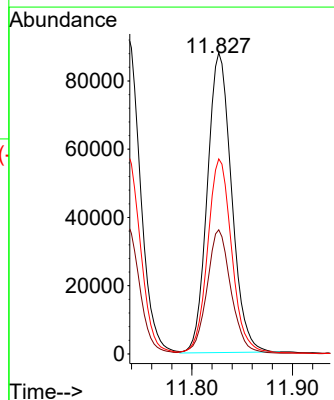
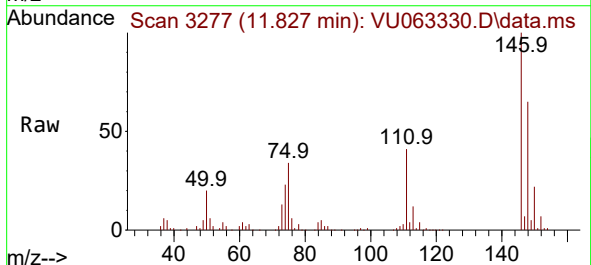
Instrument :
MSVOA_U
ClientSampleId :
VSTD005014

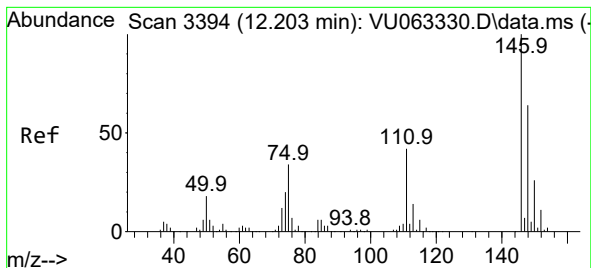
Tgt Ion:146 Resp: 150901
Ion Ratio Lower Upper
146 100
111 40.6 28.4 52.8
148 62.8 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 4.78 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063330.D
Acq: 03 Apr 2025 15:36

Tgt Ion:146 Resp: 147214
Ion Ratio Lower Upper
146 100
111 41.2 28.8 53.6
148 64.7 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.81 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005014

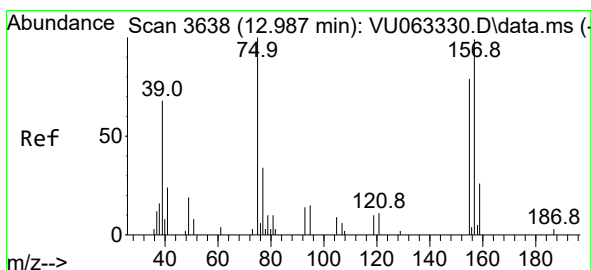
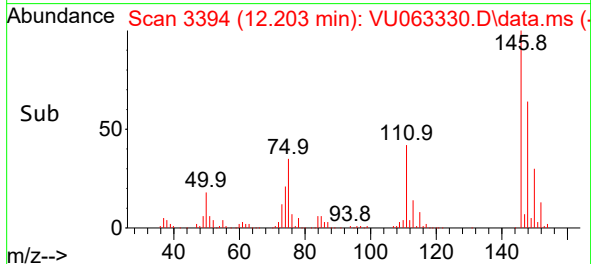
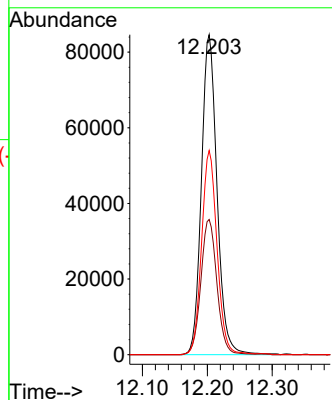
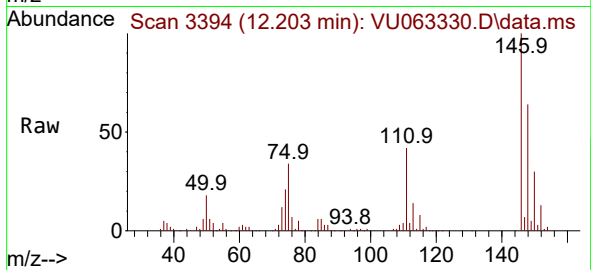
Tgt Ion:146 Resp: 141786

Ion Ratio Lower Upper

146 100

111 42.3 33.8 50.8

148 63.8 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.66 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

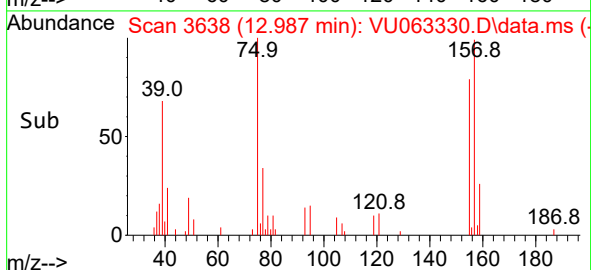
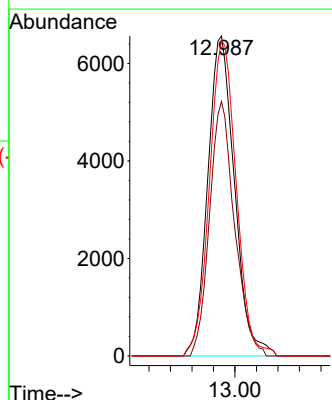
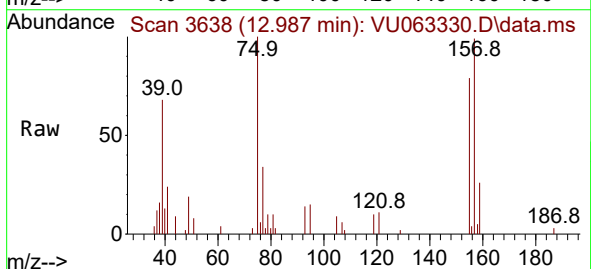
Tgt Ion: 75 Resp: 11322

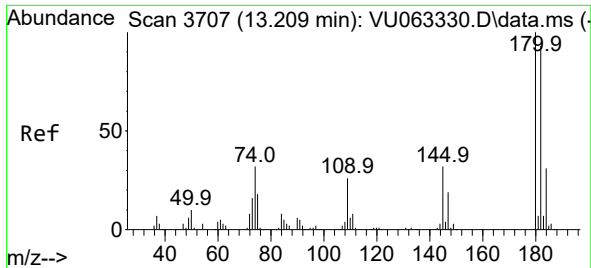
Ion Ratio Lower Upper

75 100

155 79.5 63.6 95.4

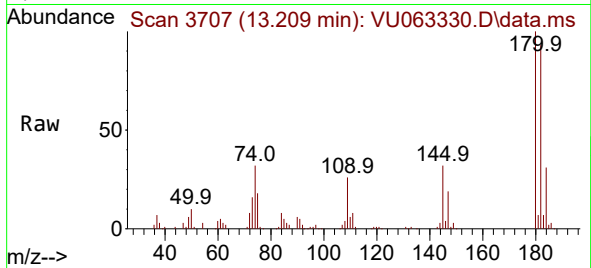
157 98.6 78.9 118.3



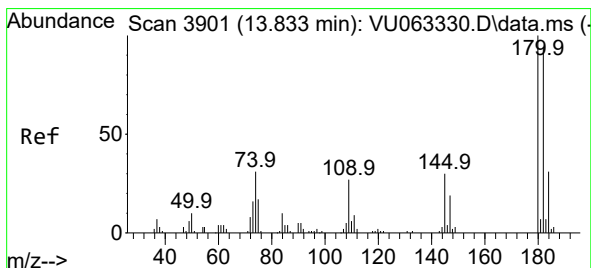
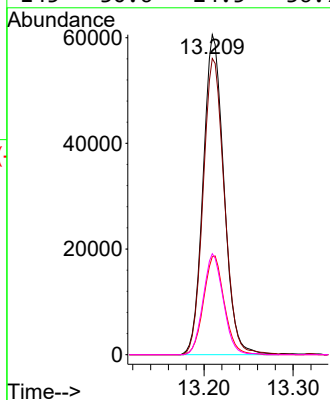
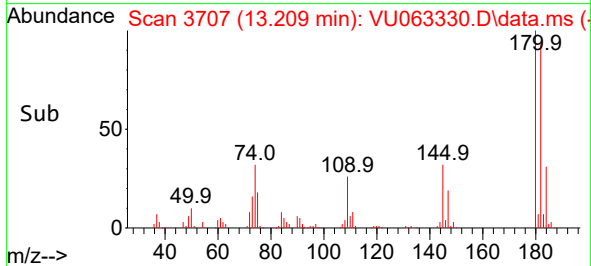


#69
 1,3,5-Trichlorobenzene
 Concen: 4.68 ug/L
 RT: 13.209 min Scan# 3707
 Delta R.T. 0.000 min
 Lab File: VU063330.D
 Acq: 03 Apr 2025 15:36

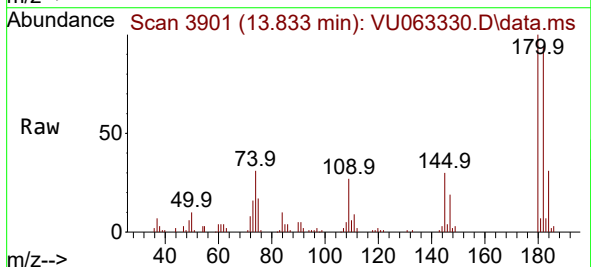
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005014



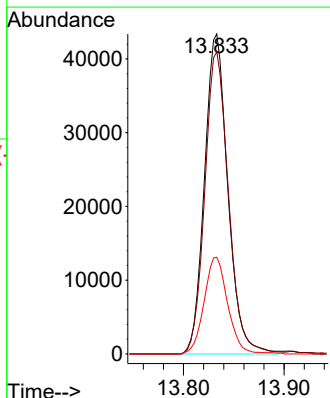
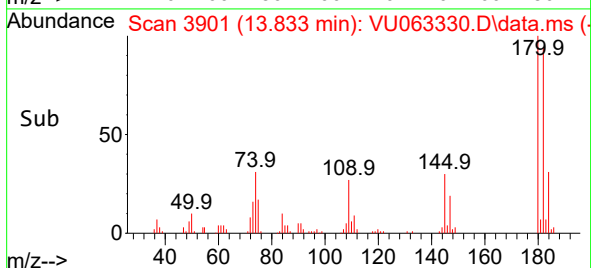
Tgt Ion:180 Resp: 97949
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.8 113.6
 184 30.8 24.6 37.0
 145 30.6 24.5 36.7

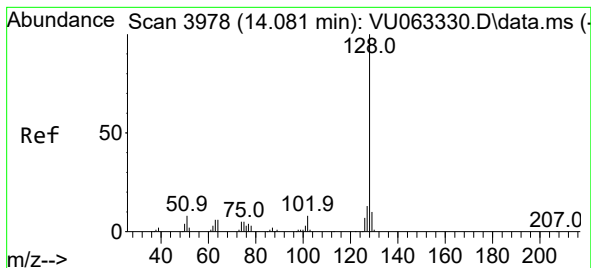


#70
 1,2,4-trichlorobenzene
 Concen: 4.76 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU063330.D
 Acq: 03 Apr 2025 15:36



Tgt Ion:180 Resp: 70036
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.7 115.1
 145 30.6 24.5 36.7





#71

Naphthalene

Concen: 4.70 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005014

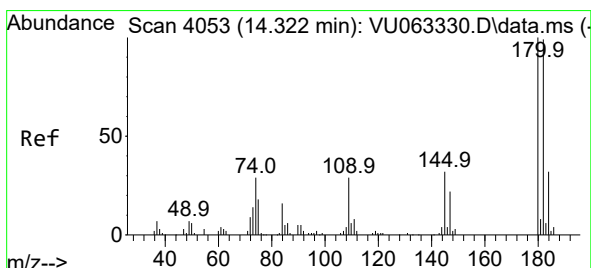
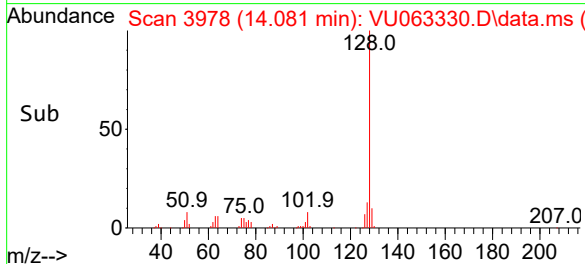
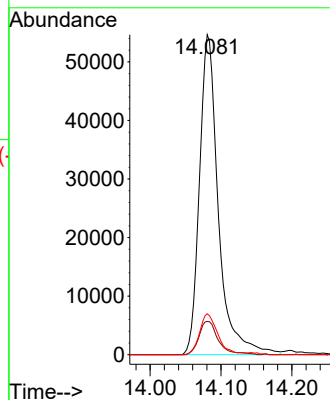
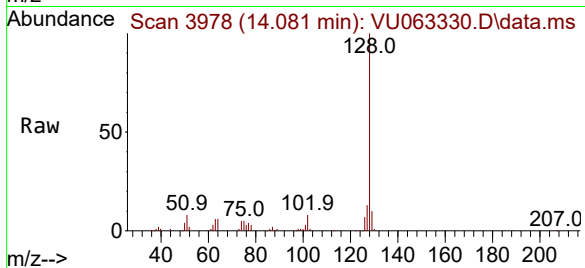
Tgt Ion:128 Resp: 101356

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

127 12.4 9.9 14.9



#72

1,2,3-Trichlorobenzene

Concen: 4.86 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063330.D

Acq: 03 Apr 2025 15:36

Tgt Ion:180 Resp: 63891

Ion Ratio Lower Upper

180 100

182 96.6 77.3 115.9

145 33.5 26.8 40.2

