

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U040425\
 Data File : U063335.D
 Acq On : 04 Apr 2025 09:52
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

Quant Time: Apr 07 09:47:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 07 09:46:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	190511	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	185006	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	89177	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	62561	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.901	69	60972	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.554	65	28424	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	4.612	46	167653	44.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.16%
24) Chloroform-d	5.049	84	143907	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.692	65	69470	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.714	84	283249	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.679	67	92442	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.888	98	252306	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloroprop...	8.174	79	26007	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.621	63	123006	45.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.96%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	70078	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
66) 1,2-Dichlorobenzene-d4	12.184	152	77928	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	94132	4.82	ug/L	99
3) Chloromethane	1.518	50	106557	4.83	ug/L	100
5) Vinyl chloride	1.599	62	106174	4.80	ug/L	98
6) Bromomethane	1.843	94	55909	4.78	ug/L	93
8) Chloroethane	1.924	64	61345	4.87	ug/L	98
9) Trichlorofluoromethane	2.129	101	112380	4.82	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	71621	5.09	ug/L	99
12) 1,1-Dichloroethene	2.570	96	65829	4.89	ug/L	92
13) Acetone	2.615	43	106871	42.29	ug/L	99
14) Carbon disulfide	2.782	76	237033	4.93	ug/L	99
15) Methyl Acetate	2.943	43	28206	4.15	ug/L	99
16) Methylene chloride	3.033	84	79386	4.64	ug/L	98
17) Methyl tert-butyl Ether	3.351	73	157918	4.60	ug/L	99
18) trans-1,2-Dichloroethene	3.342	96	70939	4.92	ug/L	99
19) 1,1-Dichloroethane	3.856	63	145959	4.94	ug/L	99
21) 2-Butanone	4.689	43	177823	44.62	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	80751	5.01	ug/L	96
23) Bromochloromethane	4.962	128	35212	4.73	ug/L	97
25) Chloroform	5.075	83	146065	4.96	ug/L	98

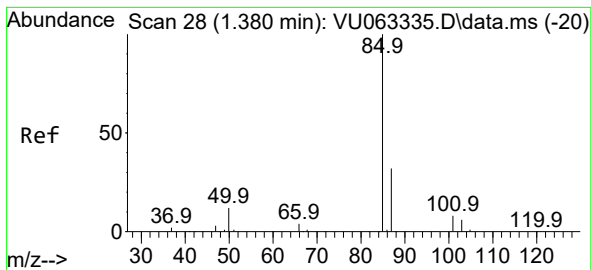
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040425\
 Data File : VU063335.D
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 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	89137	4.74	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	115898	5.11	ug/L	100
30) Cyclohexane	5.377	56	127961	5.24	ug/L	99
31) Carbon tetrachloride	5.512	117	96894	4.99	ug/L	97
33) Benzene	5.763	78	323384	5.15	ug/L	100
34) Trichloroethene	6.531	95	79457	5.01	ug/L	98
35) Methylcyclohexane	6.753	83	122104	5.28	ug/L	99
37) 1,2-Dichloropropane	6.779	63	87704	5.04	ug/L	99
38) Bromodichloromethane	7.094	83	101969	4.94	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	118139	5.15	ug/L	98
40) 4-Methyl-2-pentanone	7.779	43	447033	46.58	ug/L	100
42) Toluene	7.962	91	343314	5.28	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	99632	5.12	ug/L	98
45) 1,1,2-Trichloroethane	8.390	97	60664	4.98	ug/L	97
47) Tetrachloroethene	8.544	164	57796	5.09	ug/L	95
48) 2-Hexanone	8.673	43	322540	47.76	ug/L	99
49) Dibromochloromethane	8.798	129	62976	4.84	ug/L	100
50) 1,2-Dibromoethane	8.914	107	54488	4.83	ug/L	94
51) Chlorobenzene	9.438	112	203583	5.05	ug/L	98
52) Ethylbenzene	9.560	91	345719	5.22	ug/L	100
53) m,p-Xylene	9.685	106	129875	5.37	ug/L	96
54) o-Xylene	10.090	106	125454	5.41	ug/L	98
55) Styrene	10.107	104	212396	5.48	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	73770	4.63	ug/L	99
59) Bromoform	10.283	173	36449	4.58	ug/L	99
60) Isopropylbenzene	10.476	105	333038	5.35	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	49604	4.45	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	253260	5.22	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	243622	5.39	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	149512	5.03	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	149456	5.05	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	137250	4.85	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	9773	4.19	ug/L	94
69) 1,3,5-Trichlorobenzene	13.213	180	99809	4.96	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	68575	4.85	ug/L	100
71) Naphthalene	14.081	128	89015	4.29	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	59388	4.70	ug/L	98

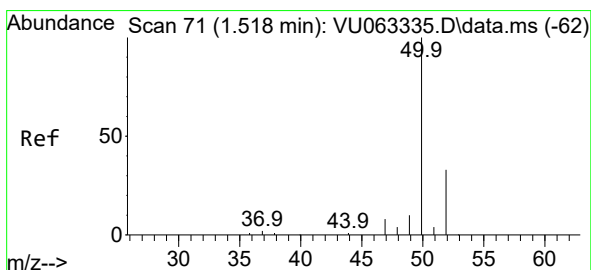
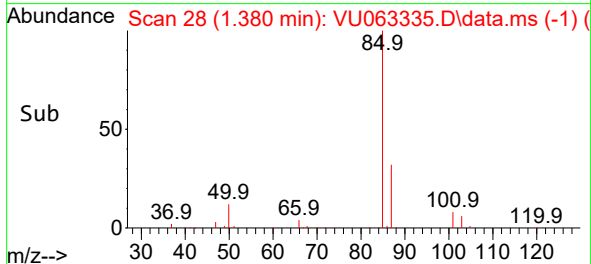
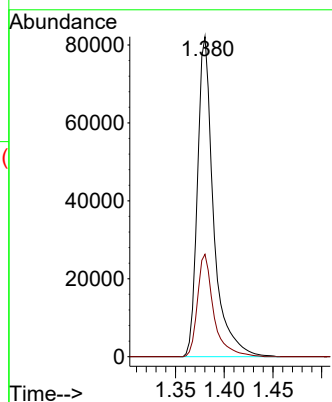
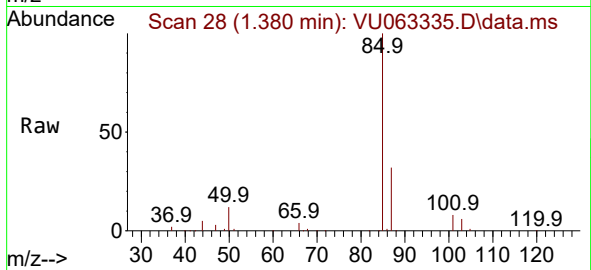
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.82 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU063335.D
 Acq: 04 Apr 2025 09:52

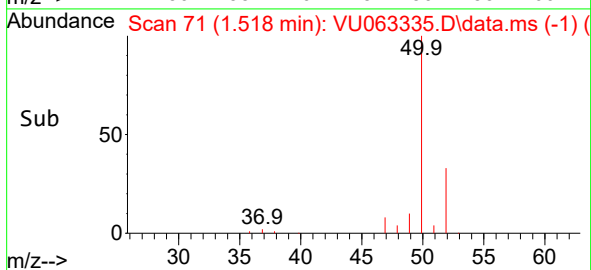
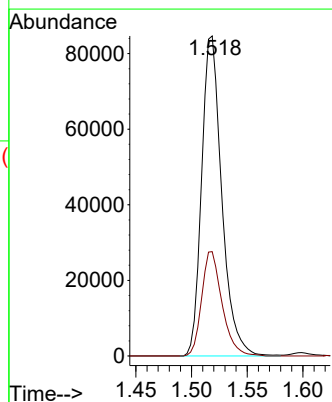
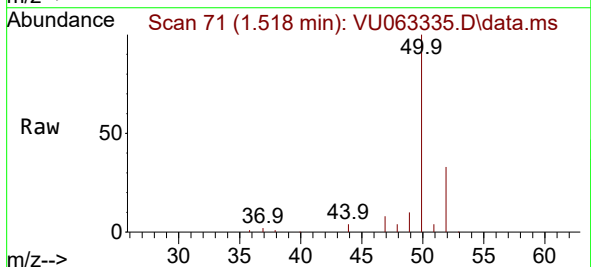
Instrument :
 MSVOA_U
 ClientSampleId :
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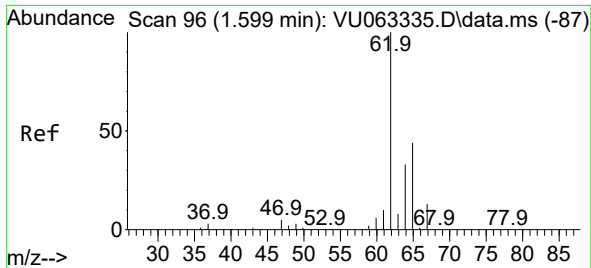
Tgt Ion: 85 Resp: 94132
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.3 37.9



#3
 Chloromethane
 Concen: 4.83 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU063335.D
 Acq: 04 Apr 2025 09:52

Tgt Ion: 50 Resp: 106557
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.7 42.1

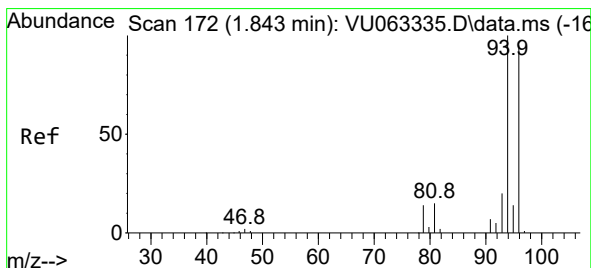
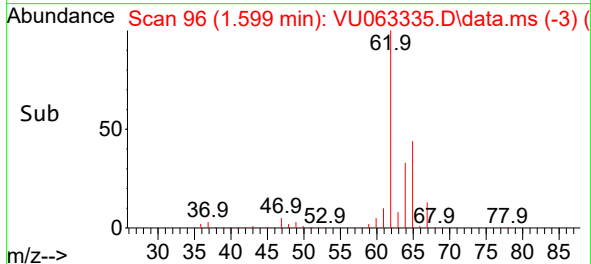
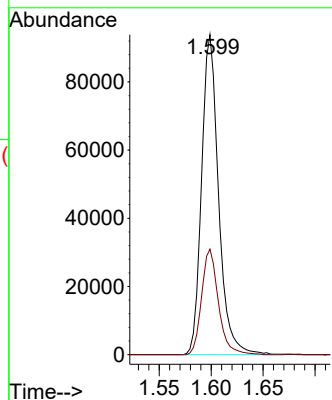
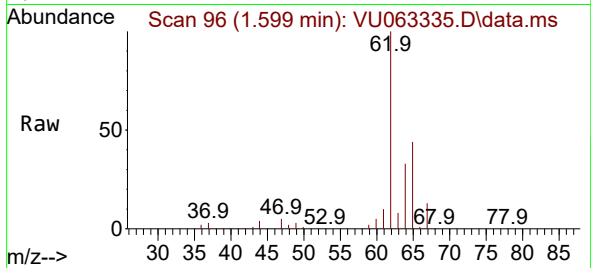




#5
 Vinyl chloride
 Concen: 4.80 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063335.D
 Acq: 04 Apr 2025 09:52

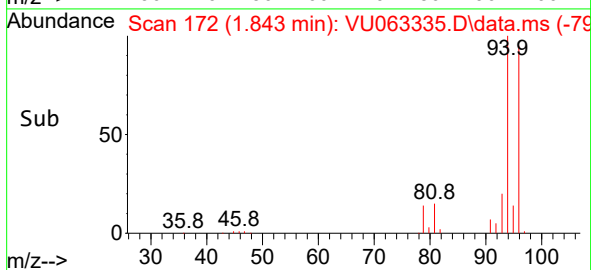
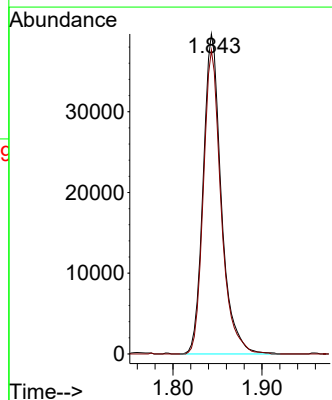
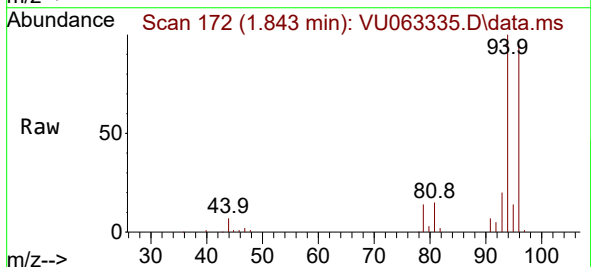
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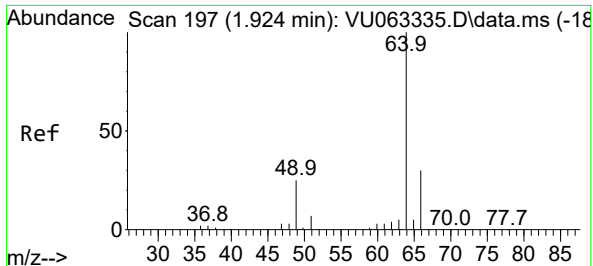
Tgt Ion: 62 Resp: 106174
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.1 41.1



#6
 Bromomethane
 Concen: 4.78 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VU063335.D
 Acq: 04 Apr 2025 09:52

Tgt Ion: 94 Resp: 55909
 Ion Ratio Lower Upper
 94 100
 96 94.9 62.1 115.3

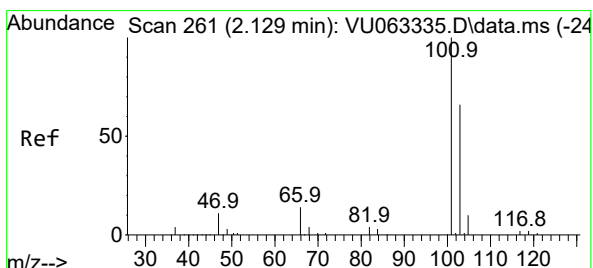
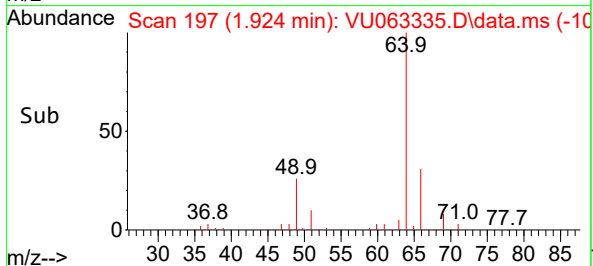
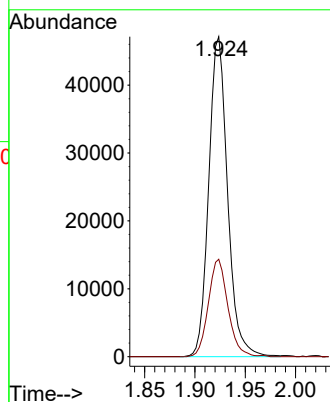
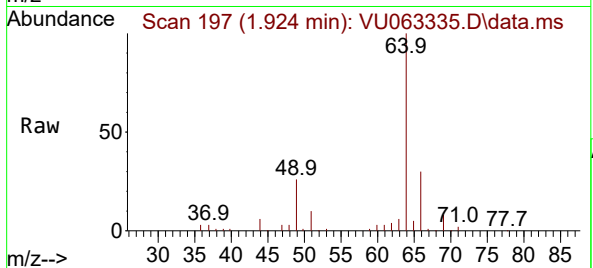




#8
Chloroethane
Concen: 4.87 ug/L
RT: 1.924 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

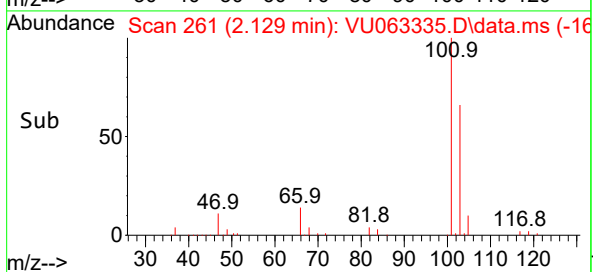
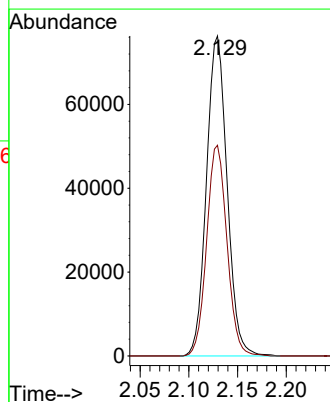
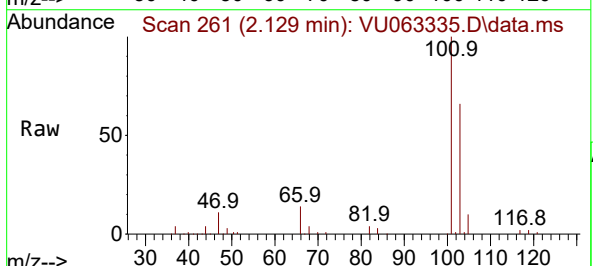
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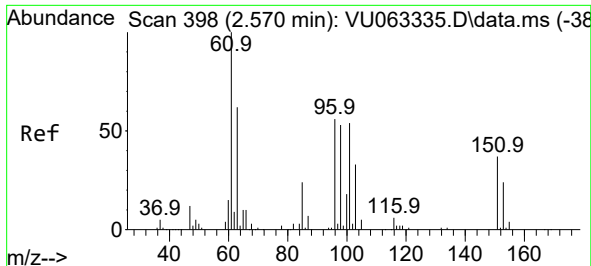
Tgt Ion: 64 Resp: 61345
Ion Ratio Lower Upper
64 100
66 30.5 21.9 40.7



#9
Trichlorofluoromethane
Concen: 4.82 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion:101 Resp: 112380
Ion Ratio Lower Upper
101 100
103 64.8 50.9 76.3

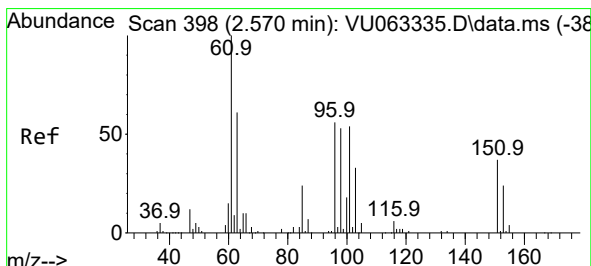
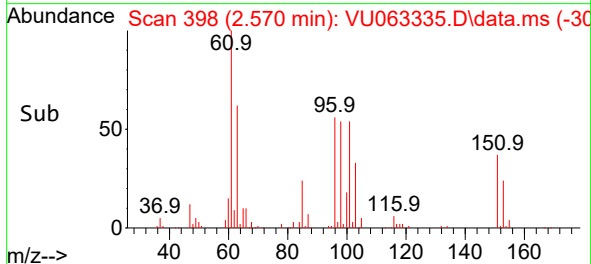
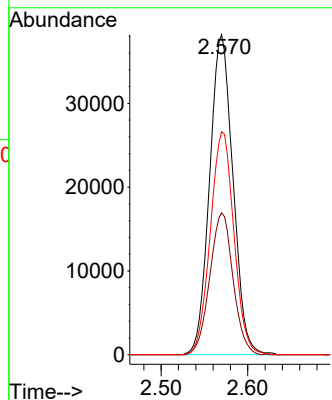
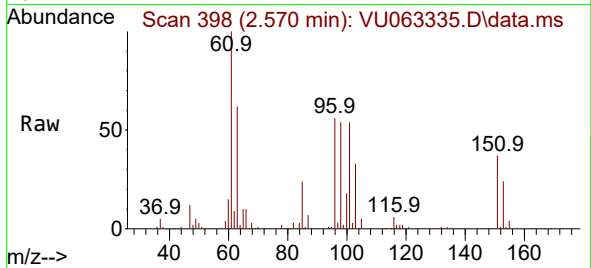




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.09 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

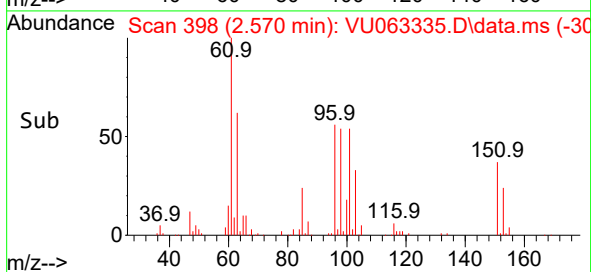
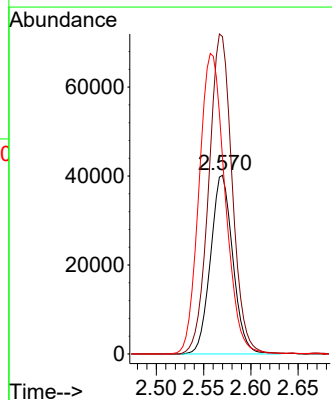
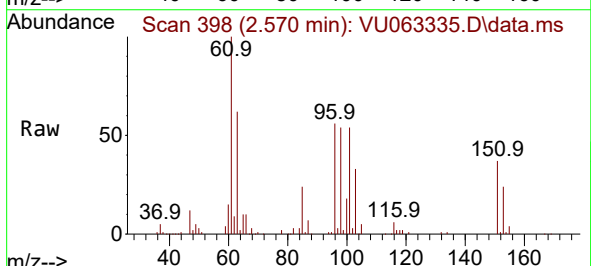
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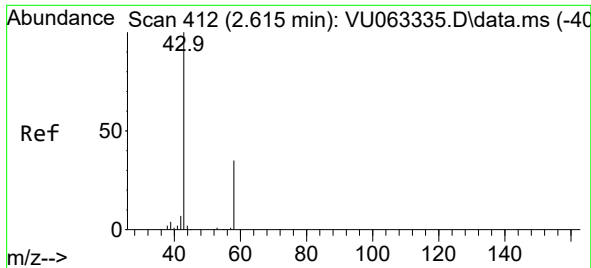
Tgt Ion:101 Resp: 71621
Ion Ratio Lower Upper
101 100
85 44.1 35.7 53.5
151 70.5 55.2 82.8



#12
1,1-Dichloroethene
Concen: 4.89 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 96 Resp: 65829
Ion Ratio Lower Upper
96 100
61 177.5 121.2 225.0
63 110.3 88.9 165.1





#13

Acetone

Concen: 42.29 ug/L

RT: 2.615 min Scan# 412

Delta R.T. 0.000 min

Lab File: VU063335.D

Acq: 04 Apr 2025 09:52

Instrument :

MSVOA_U

ClientSampleId :

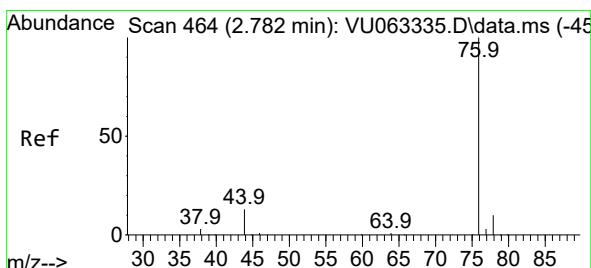
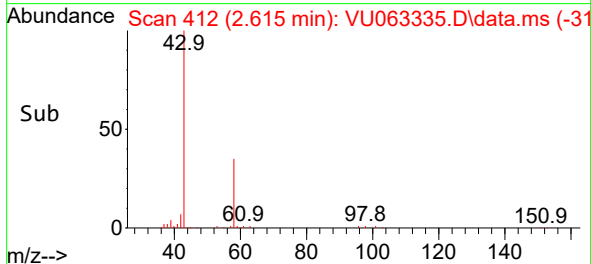
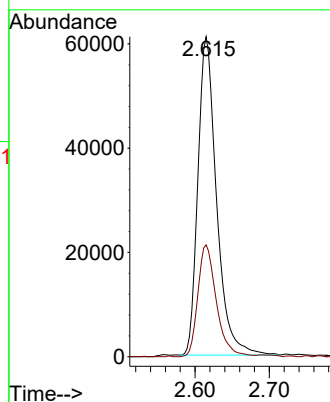
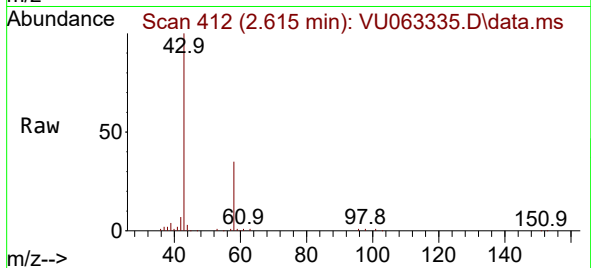
VSTD005138

Tgt Ion: 43 Resp: 106871

Ion Ratio Lower Upper

43 100

58 34.8 0.0 68.8



#14

Carbon disulfide

Concen: 4.93 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063335.D

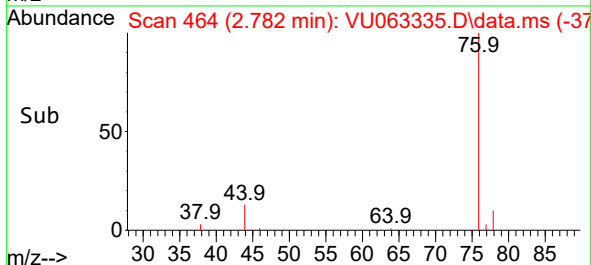
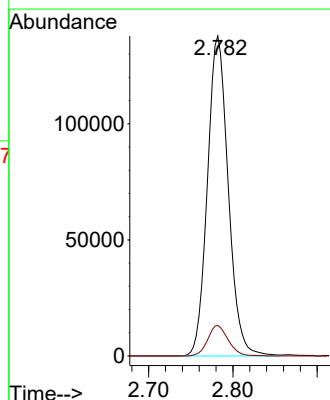
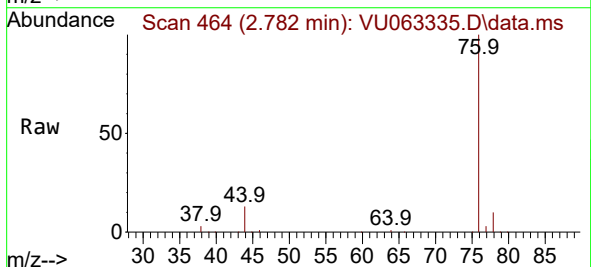
Acq: 04 Apr 2025 09:52

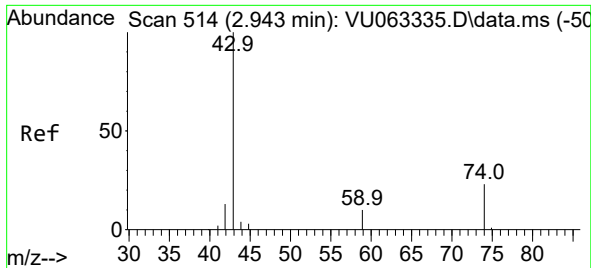
Tgt Ion: 76 Resp: 237033

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

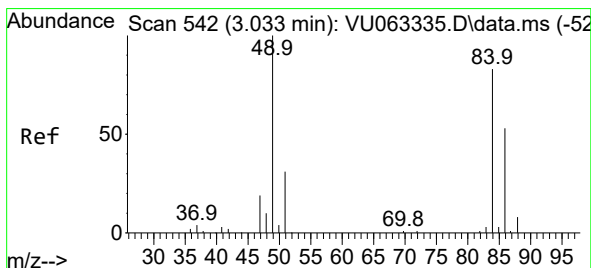
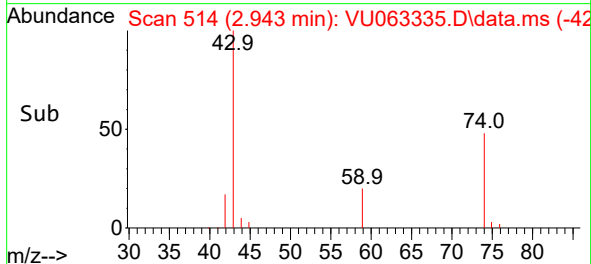
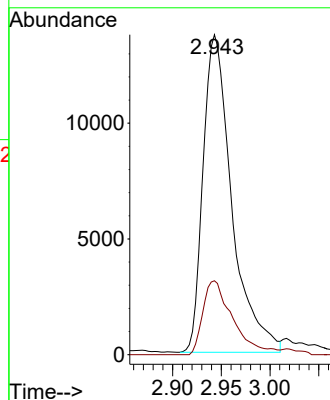
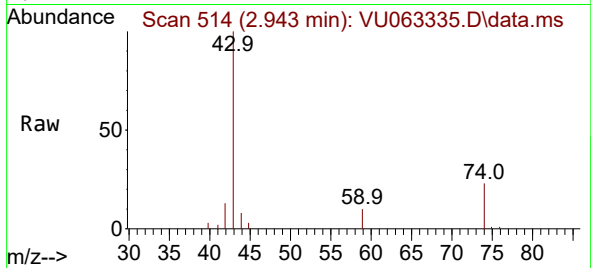




#15
Methyl Acetate
Concen: 4.15 ug/L
RT: 2.943 min Scan# 514
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

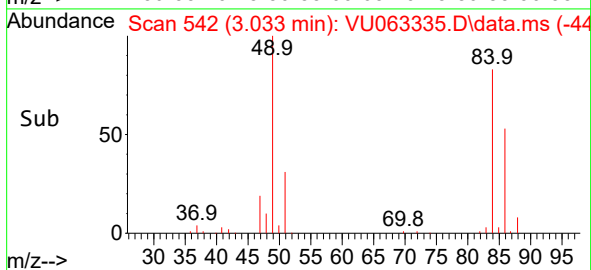
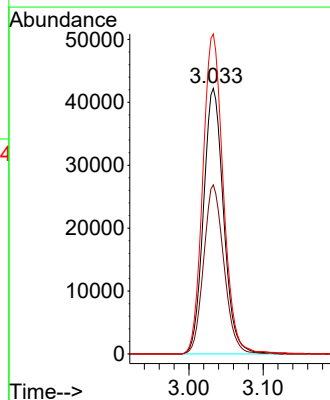
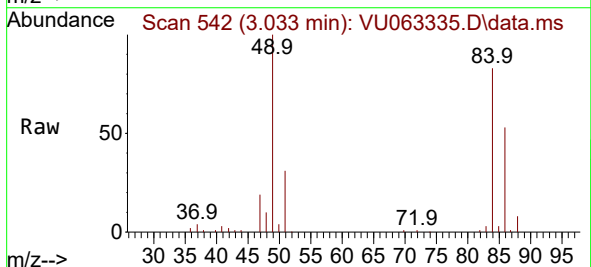
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

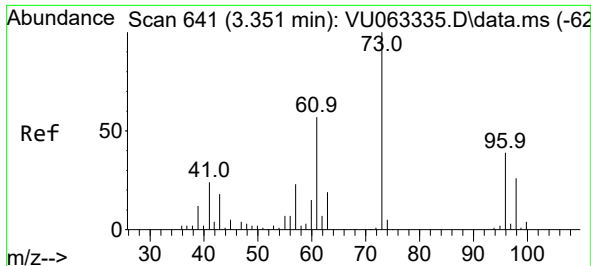
Tgt Ion: 43 Resp: 28206
Ion Ratio Lower Upper
43 100
74 24.3 19.2 28.8



#16
Methylene chloride
Concen: 4.64 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 84 Resp: 79386
Ion Ratio Lower Upper
84 100
86 63.7 43.3 80.5
49 120.5 83.4 154.8





#17

Methyl tert-butyl Ether

Concen: 4.60 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU063335.D

Acq: 04 Apr 2025 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

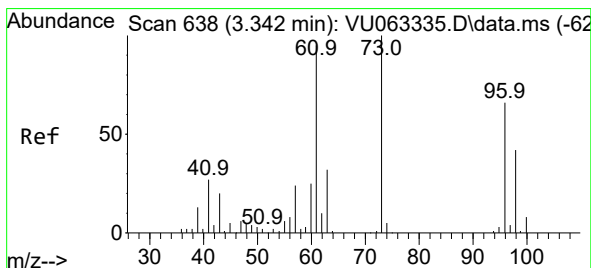
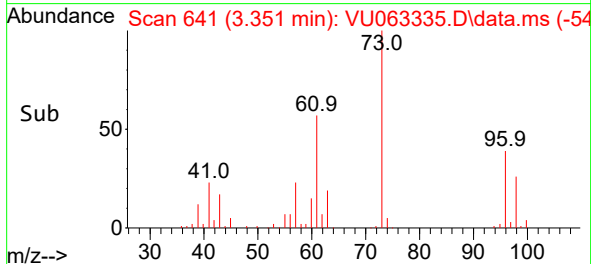
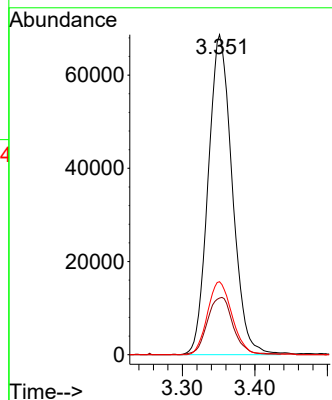
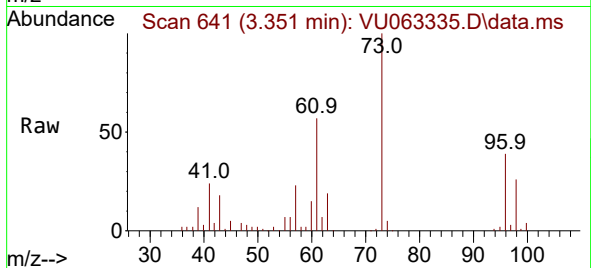
Tgt Ion: 73 Resp: 157918

Ion Ratio Lower Upper

73 100

43 19.1 15.5 23.3

57 23.4 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 4.92 ug/L

RT: 3.342 min Scan# 638

Delta R.T. 0.000 min

Lab File: VU063335.D

Acq: 04 Apr 2025 09:52

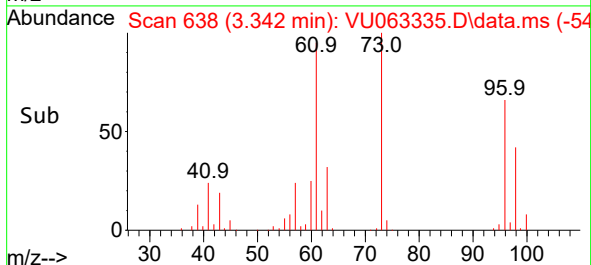
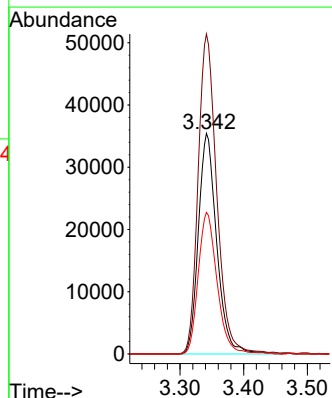
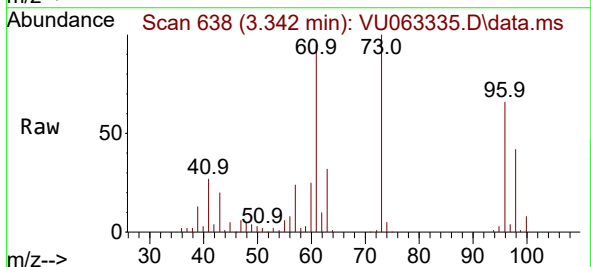
Tgt Ion: 96 Resp: 70939

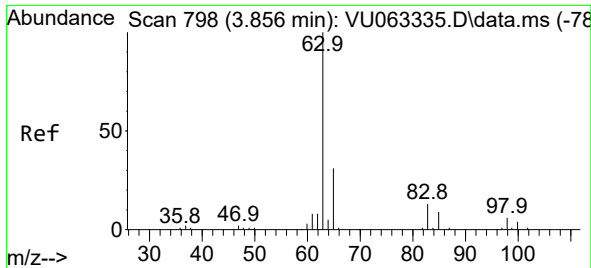
Ion Ratio Lower Upper

96 100

61 145.1 101.8 189.0

98 64.2 43.2 80.2

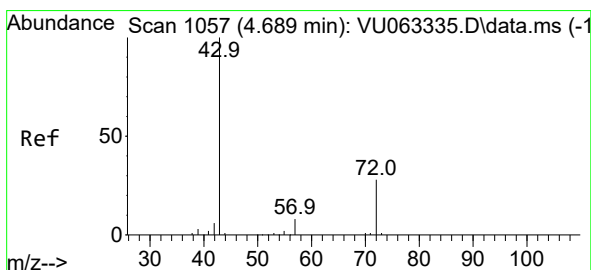
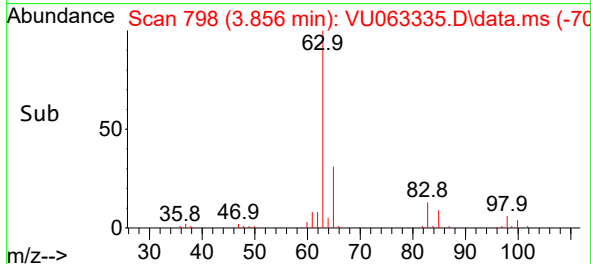
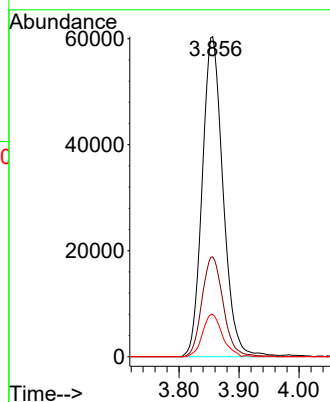
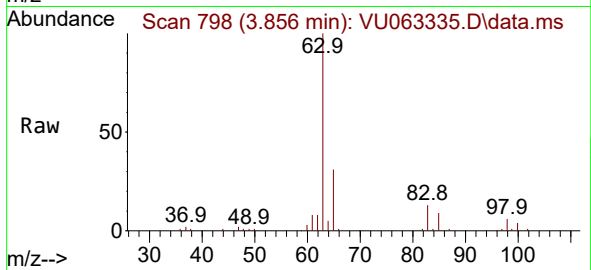




#19
1,1-Dichloroethane
Concen: 4.94 ug/L
RT: 3.856 min Scan# 798
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

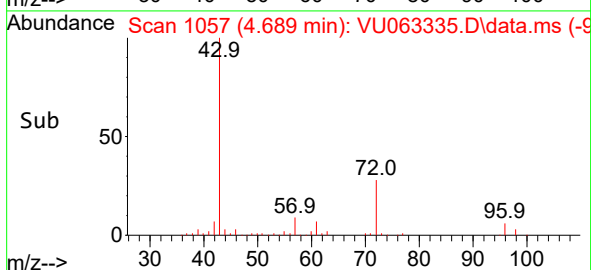
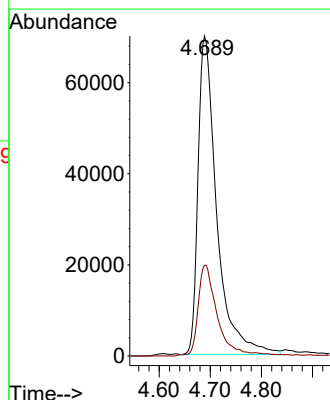
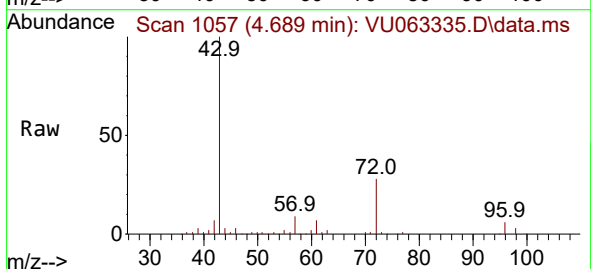
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

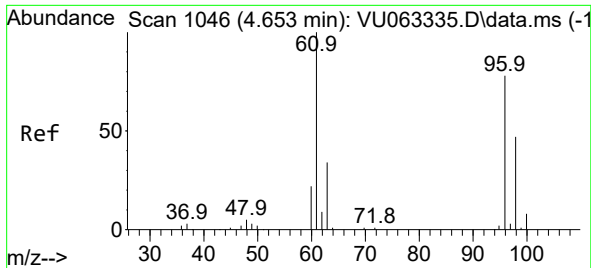
Tgt Ion: 63 Resp: 145959
Ion Ratio Lower Upper
63 100
65 31.2 21.5 39.9
83 13.2 8.8 16.4



#21
2-Butanone
Concen: 44.62 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 43 Resp: 177823
Ion Ratio Lower Upper
43 100
72 28.4 14.0 42.0

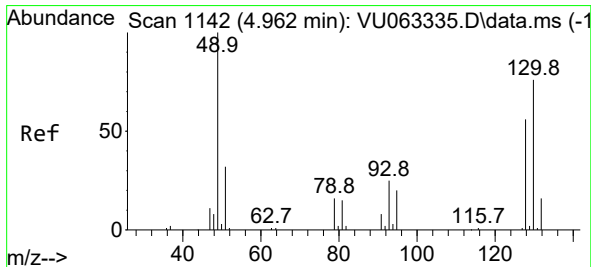
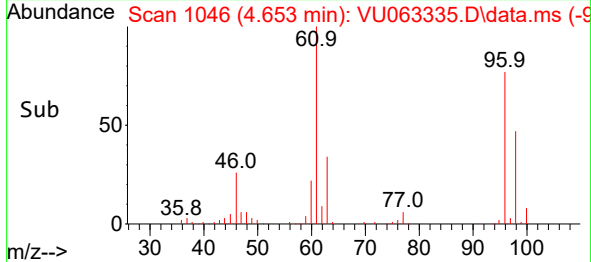
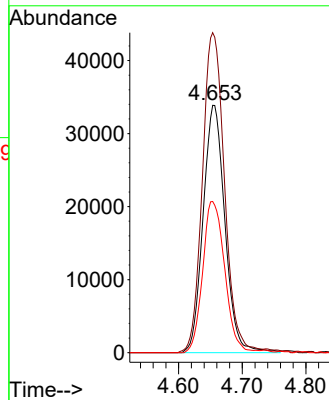
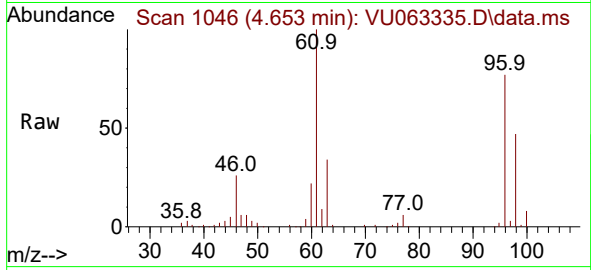




#22
 cis-1,2-Dichloroethene
 Concen: 5.01 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. 0.000 min
 Lab File: VU063335.D
 Acq: 04 Apr 2025 09:52

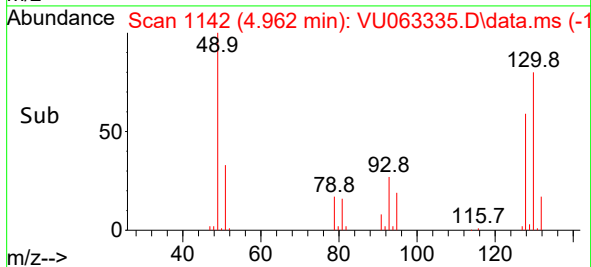
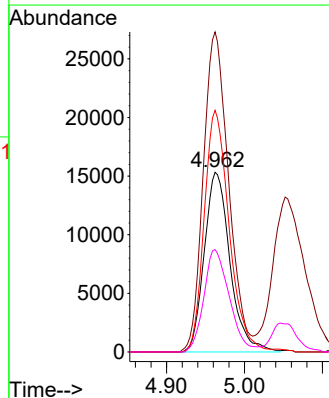
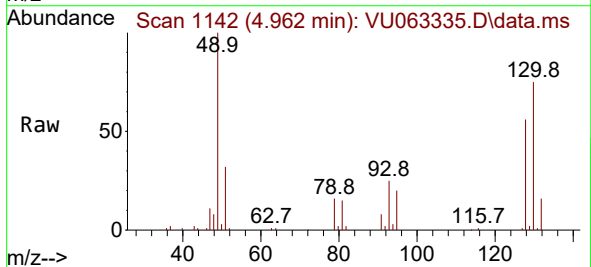
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

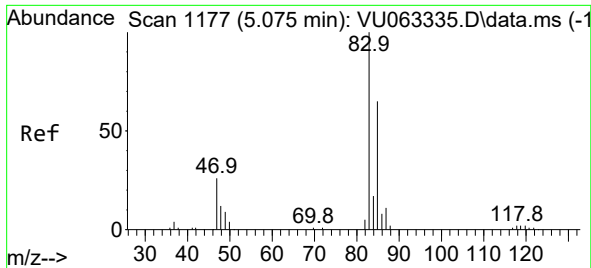
Tgt Ion: 96 Resp: 80751
 Ion Ratio Lower Upper
 96 100
 61 129.4 93.3 173.3
 98 61.1 45.4 84.4



#23
 Bromochloromethane
 Concen: 4.73 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VU063335.D
 Acq: 04 Apr 2025 09:52

Tgt Ion: 128 Resp: 35212
 Ion Ratio Lower Upper
 128 100
 49 178.1 128.4 238.4
 130 134.4 91.3 169.6
 51 57.0 46.3 69.5

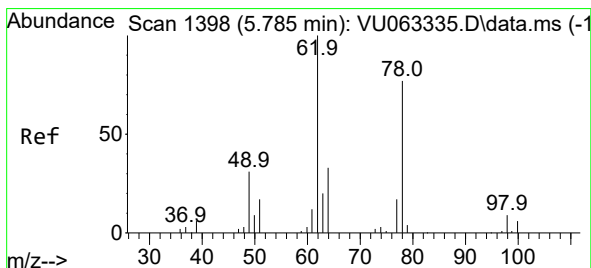
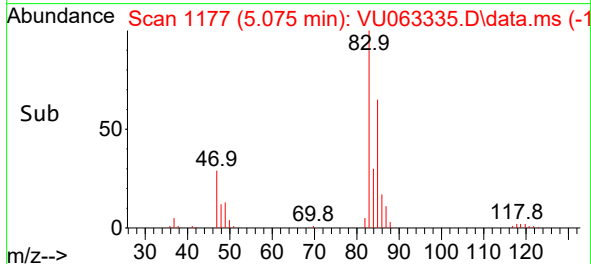
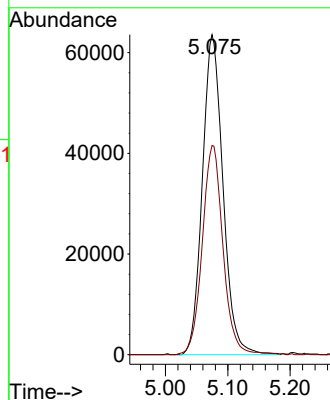
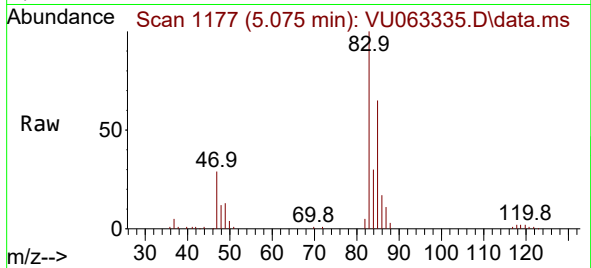




#25
Chloroform
Concen: 4.96 ug/L
RT: 5.075 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

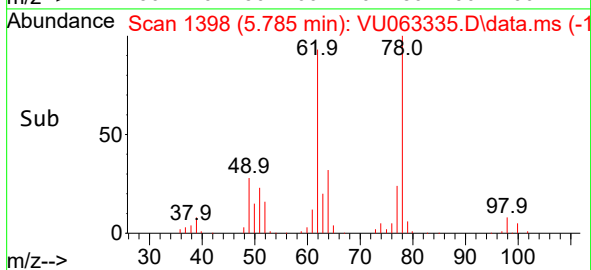
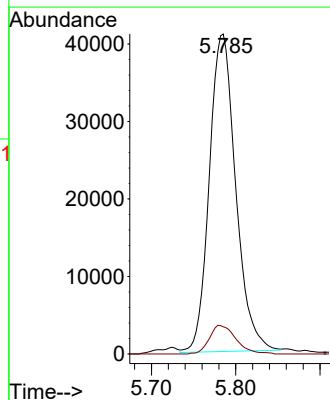
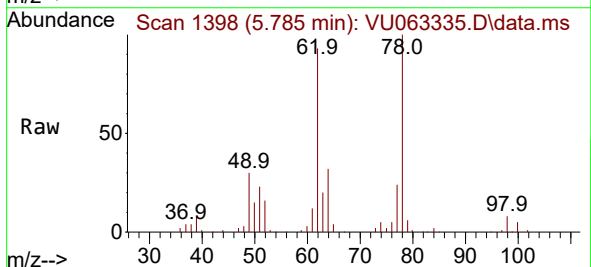
Instrument :
MSVOA_U
ClientSampleId :
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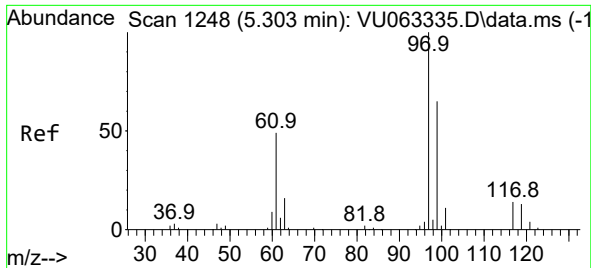
Tgt Ion: 83 Resp: 146065
Ion Ratio Lower Upper
83 100
85 65.4 44.5 82.7



#27
1,2-Dichloroethane
Concen: 4.74 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 62 Resp: 89137
Ion Ratio Lower Upper
62 100
98 8.5 6.3 9.5

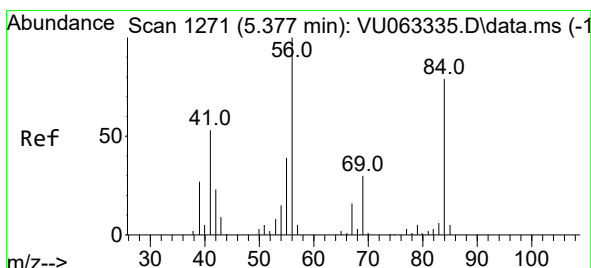
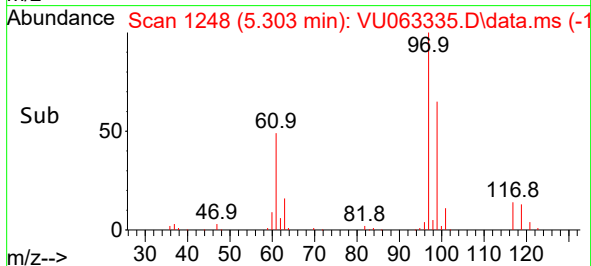
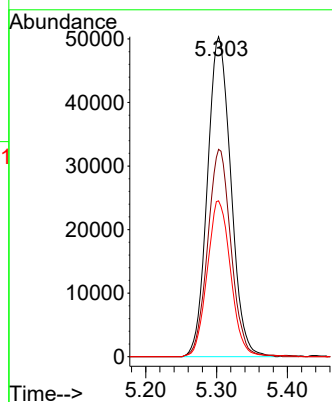
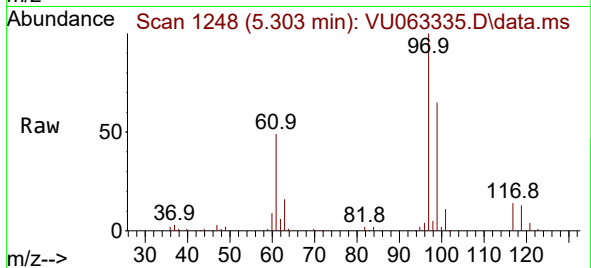




#29
1,1,1-Trichloroethane
Concen: 5.11 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

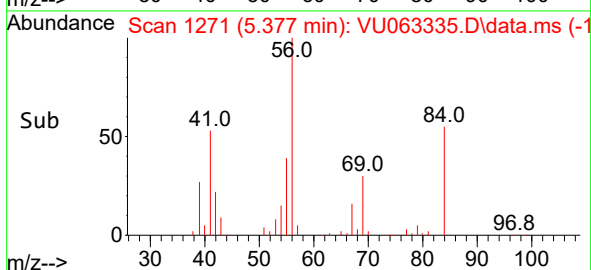
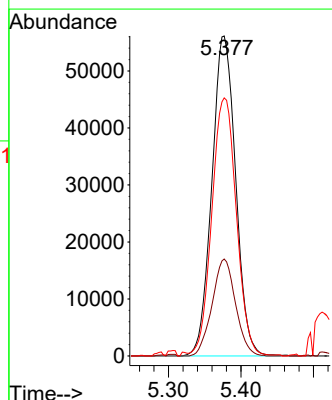
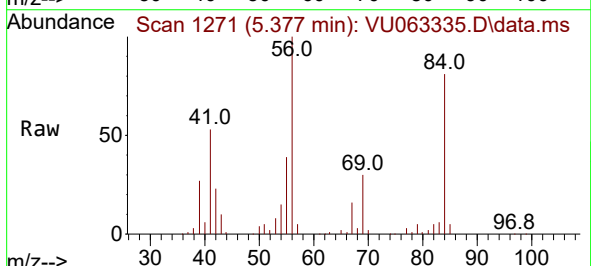
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

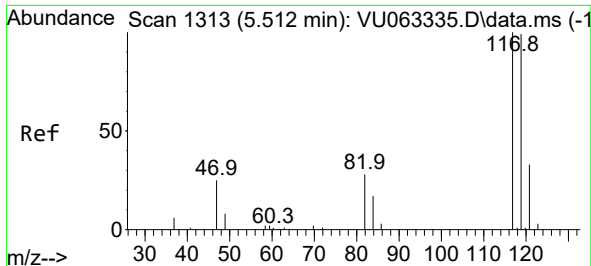
Tgt Ion:	97	Resp:	115898
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	49.0	39.0	58.6



#30
Cyclohexane
Concen: 5.24 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion:	56	Resp:	127961
Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.3	36.5
84	82.3	66.8	100.2

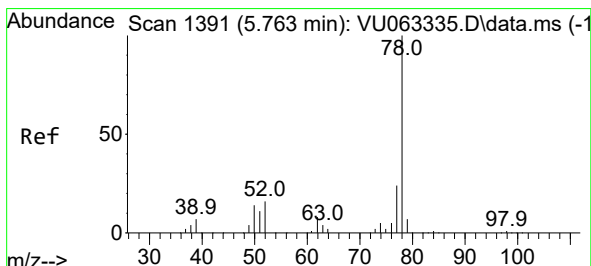
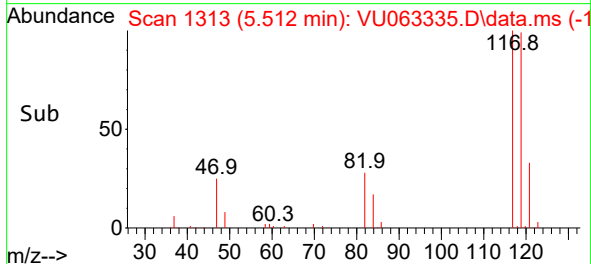
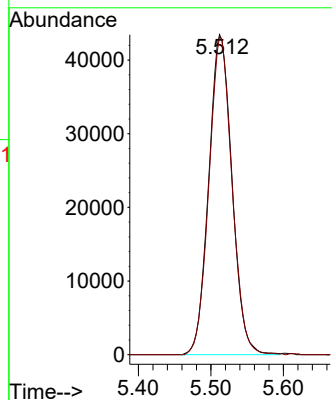
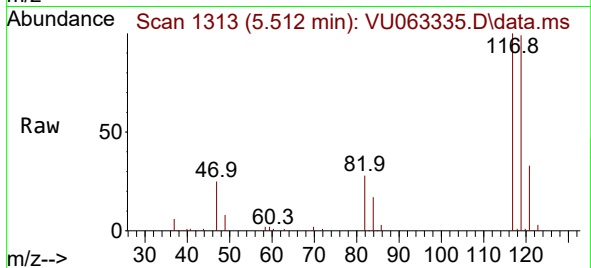




#31
Carbon tetrachloride
Concen: 4.99 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

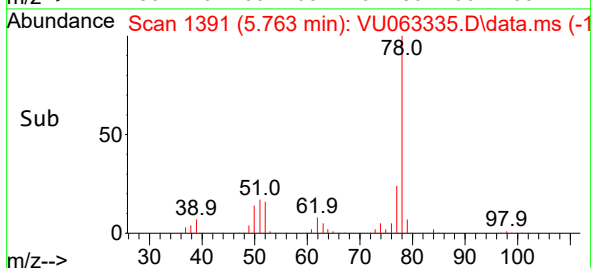
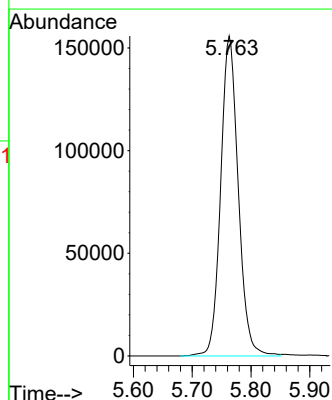
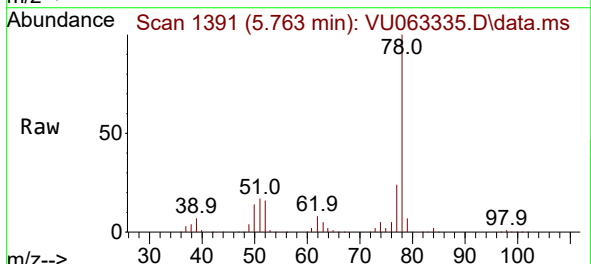
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

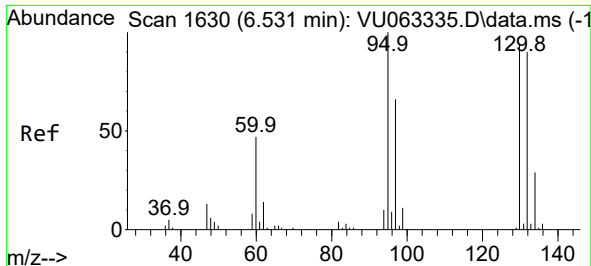
Tgt Ion:117 Resp: 96894
Ion Ratio Lower Upper
117 100
119 98.2 76.5 114.7



#33
Benzene
Concen: 5.15 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 78 Resp: 323384

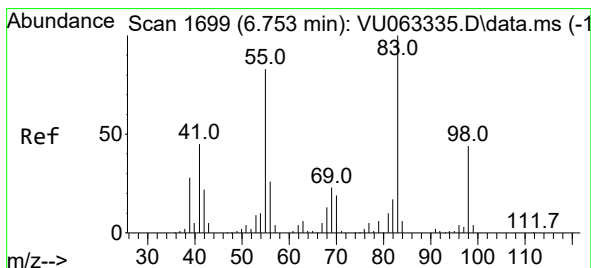
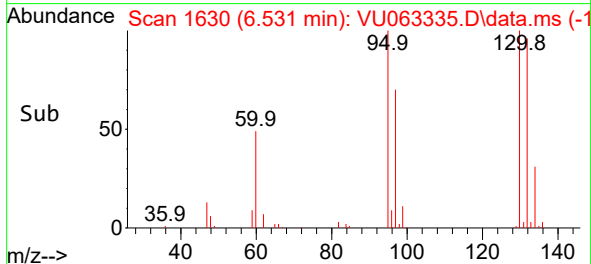
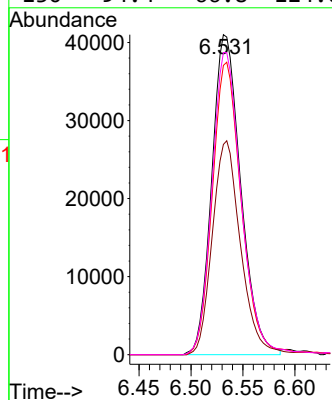
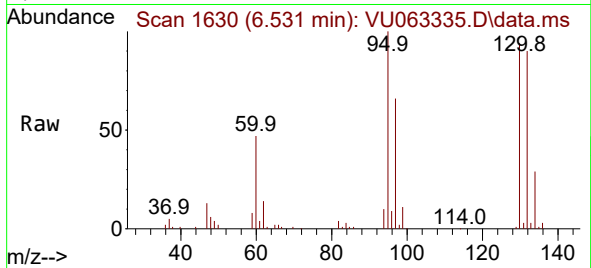




#34
Trichloroethene
Concen: 5.01 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

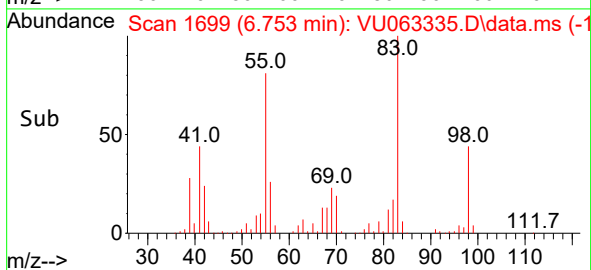
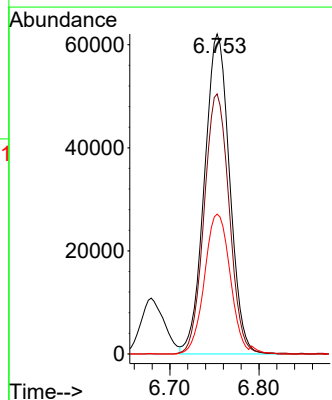
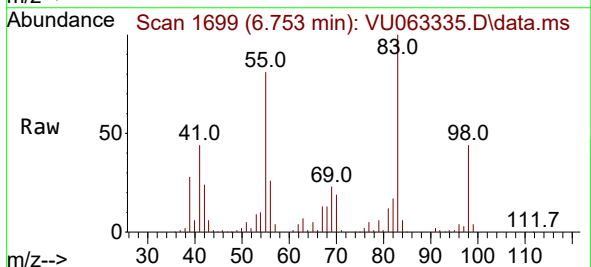
Instrument :
MSVOA_U
ClientSampleId :
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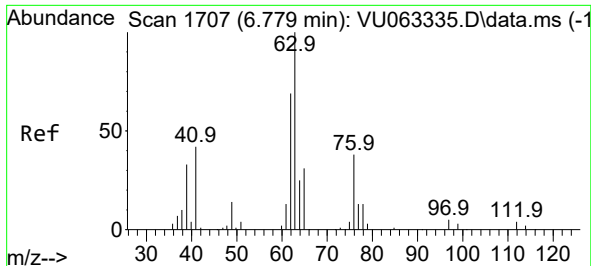
Tgt Ion: 95 Resp: 79457
Ion Ratio Lower Upper
95 100
97 65.7 44.4 82.4
132 90.4 61.5 114.3
130 94.4 66.8 124.0



#35
Methylcyclohexane
Concen: 5.28 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 83 Resp: 122104
Ion Ratio Lower Upper
83 100
55 80.8 63.1 94.7
98 44.3 35.5 53.3

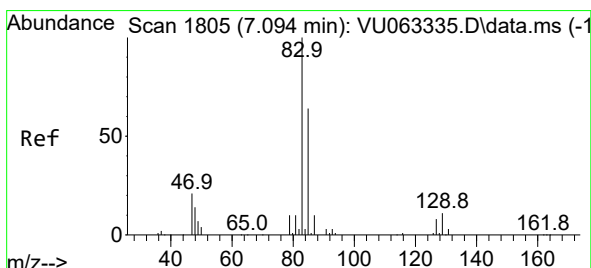
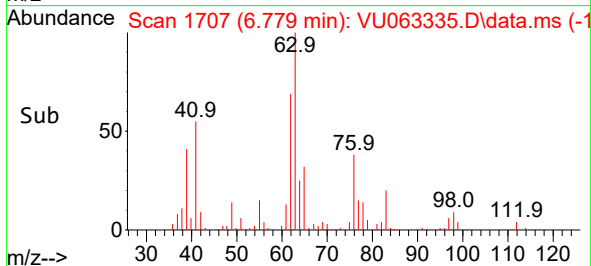
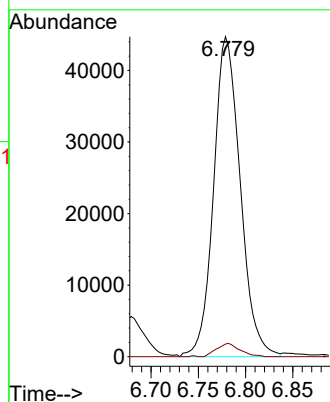
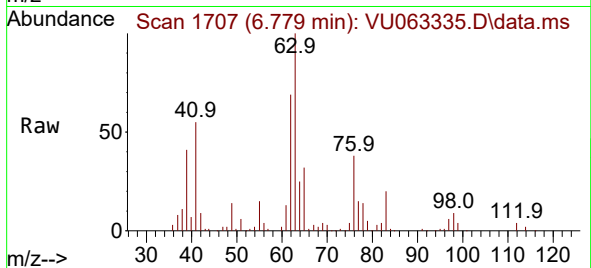




#37
1,2-Dichloropropane
Concen: 5.04 ug/L
RT: 6.779 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

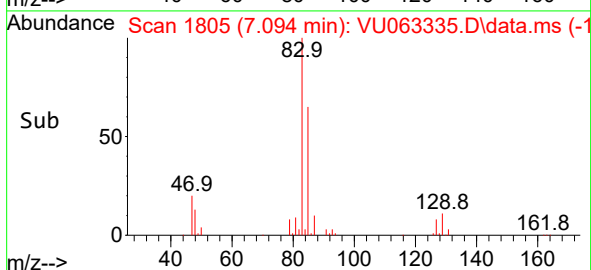
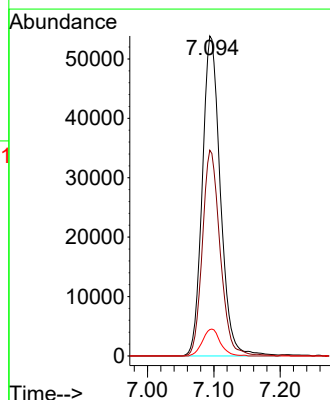
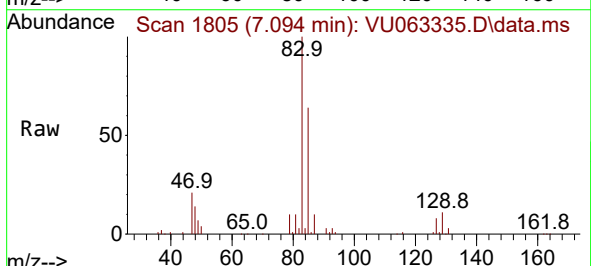
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

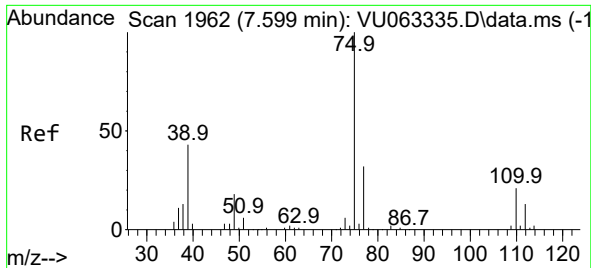
Tgt Ion: 63 Resp: 87704
Ion Ratio Lower Upper
63 100
112 3.6 2.6 4.0



#38
Bromodichloromethane
Concen: 4.94 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 83 Resp: 101969
Ion Ratio Lower Upper
83 100
85 64.3 44.2 82.0
127 8.2 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 5.15 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063335.D

Acq: 04 Apr 2025 09:52

Instrument :

MSVOA_U

ClientSampleId :

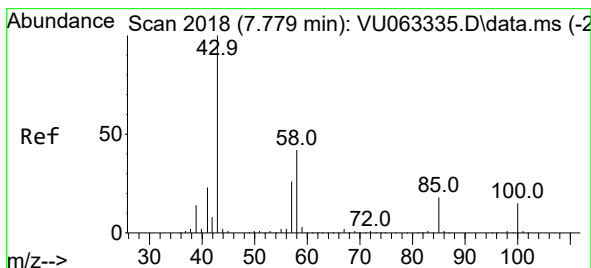
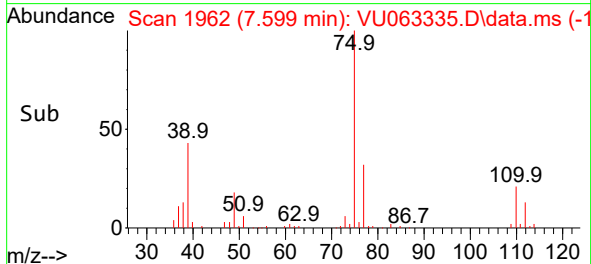
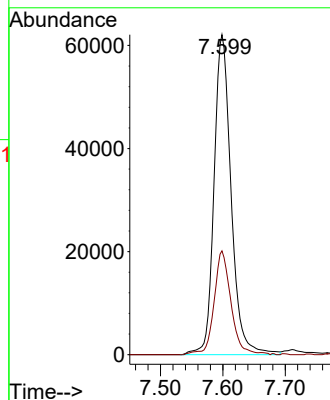
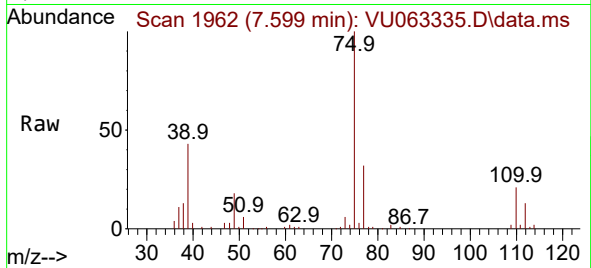
VSTD005138

Tgt Ion: 75 Resp: 118139

Ion Ratio Lower Upper

75 100

77 32.5 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 46.58 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU063335.D

Acq: 04 Apr 2025 09:52

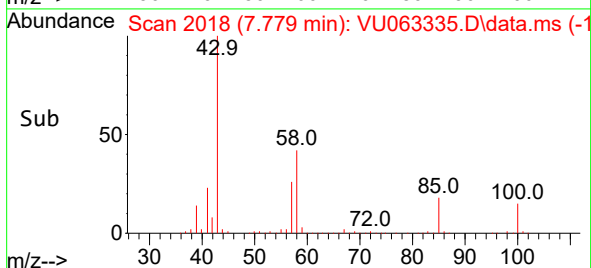
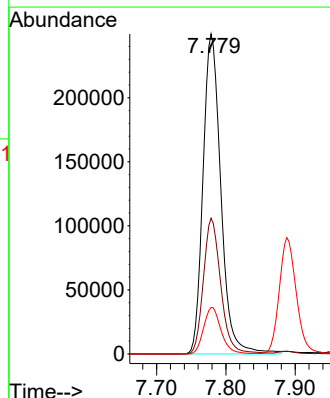
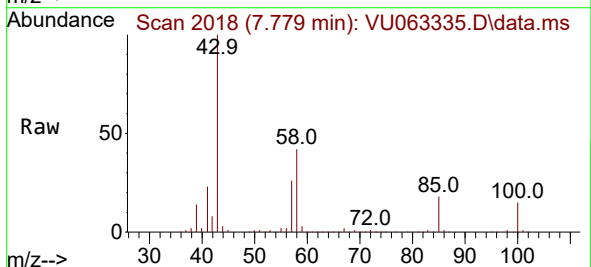
Tgt Ion: 43 Resp: 447033

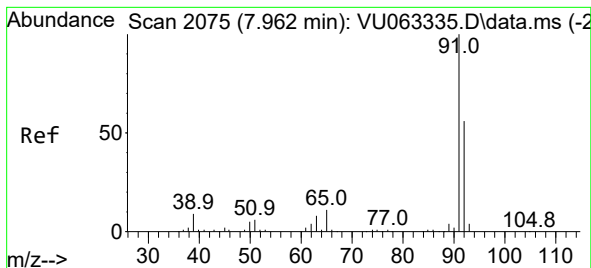
Ion Ratio Lower Upper

43 100

58 41.3 32.9 49.3

100 14.2 11.5 17.3





#42

Toluene

Concen: 5.28 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU063335.D

Acq: 04 Apr 2025 09:52

Instrument :

MSVOA_U

ClientSampleId :

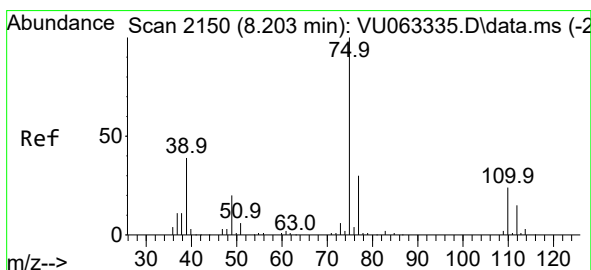
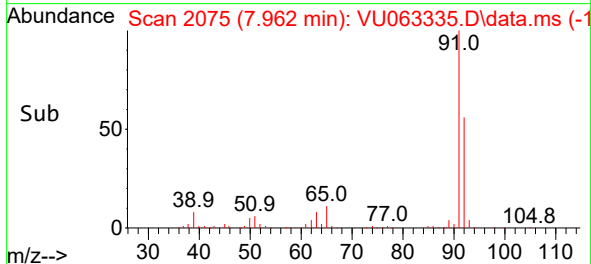
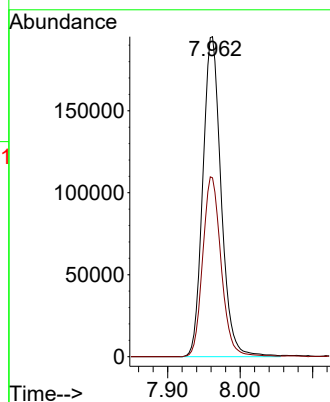
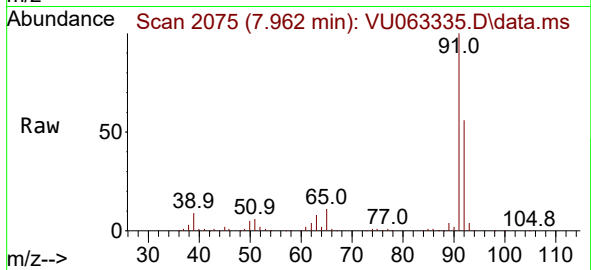
VSTD005138

Tgt Ion: 91 Resp: 343314

Ion Ratio Lower Upper

91 100

92 55.9 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 5.12 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063335.D

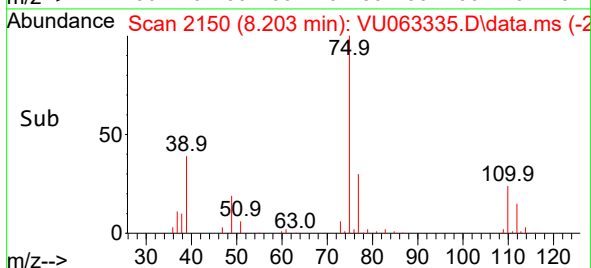
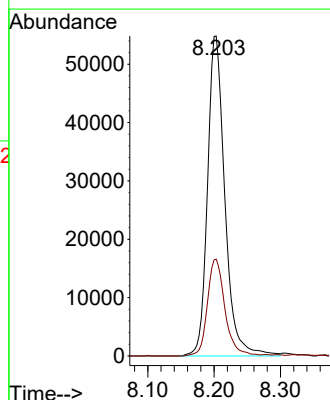
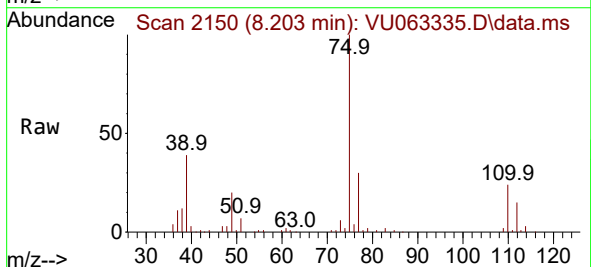
Acq: 04 Apr 2025 09:52

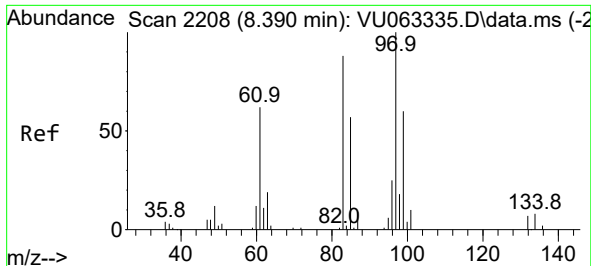
Tgt Ion: 75 Resp: 99632

Ion Ratio Lower Upper

75 100

77 30.2 21.8 40.6



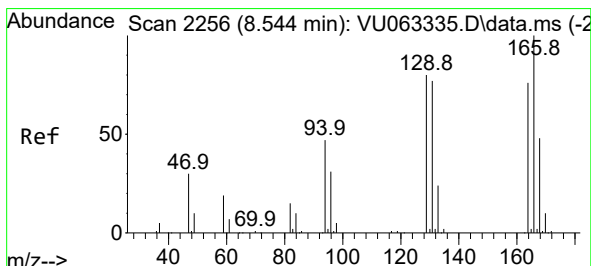
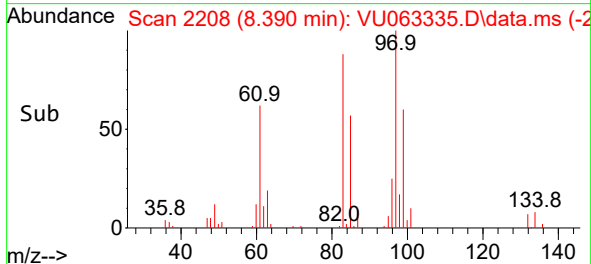
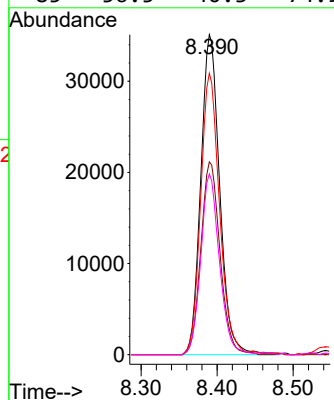
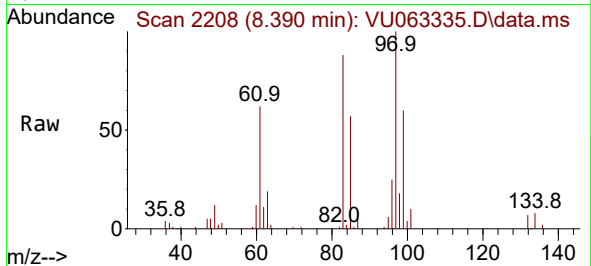


#45
1,1,2-Trichloroethane
Concen: 4.98 ug/L
RT: 8.390 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

Tgt Ion: 97 Resp: 60664

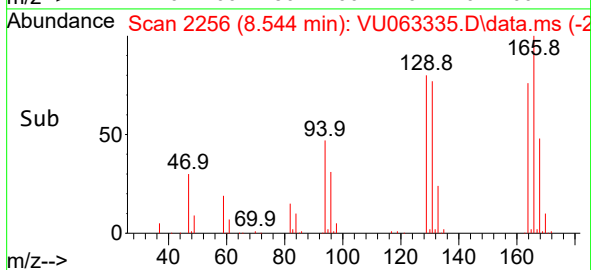
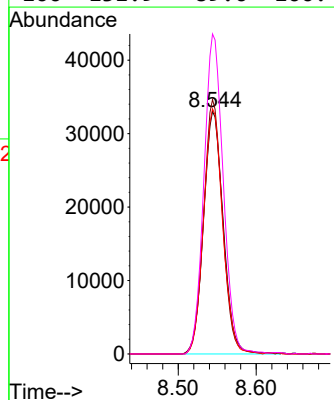
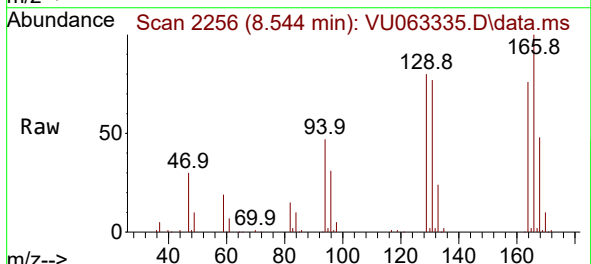
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.8	81.3
83	87.9	63.5	117.9
85	56.5	40.3	74.9

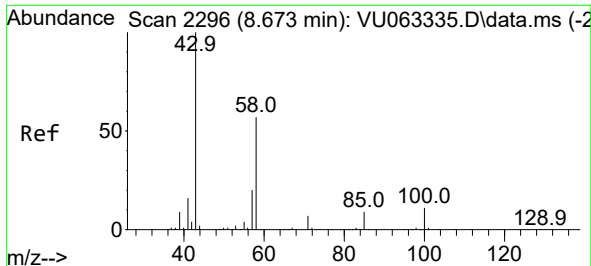


#47
Tetrachloroethene
Concen: 5.09 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 164 Resp: 57796

Ion	Ratio	Lower	Upper
164	100		
129	104.9	69.9	129.9
131	101.1	66.1	122.7
166	131.9	89.6	166.4

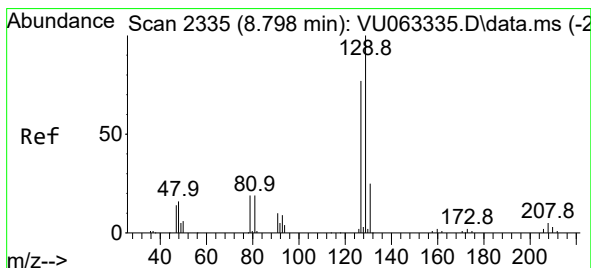
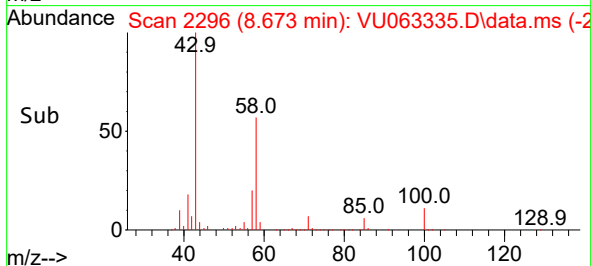
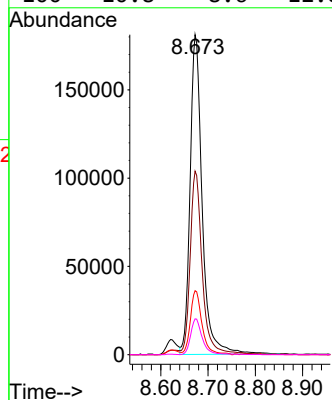
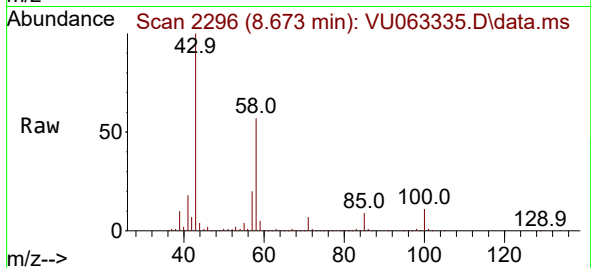




#48
2-Hexanone
Concen: 47.76 ug/L
RT: 8.673 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

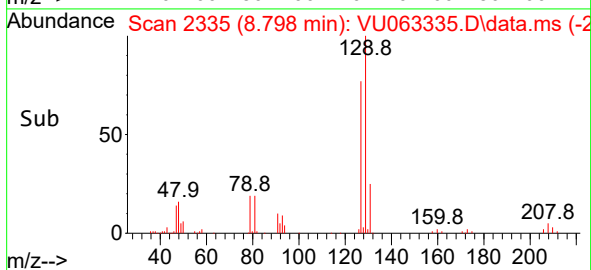
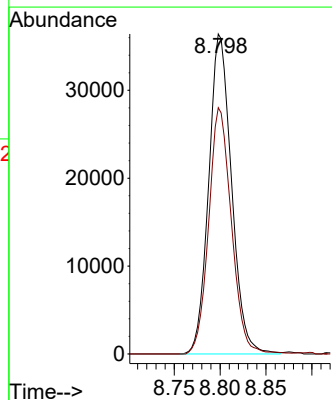
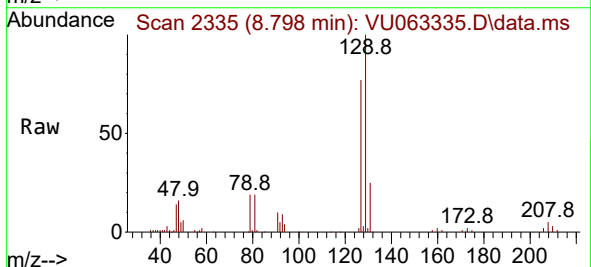
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

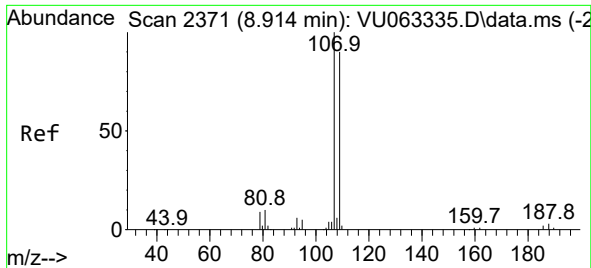
Tgt Ion: 43 Resp: 322540
Ion Ratio Lower Upper
43 100
58 56.6 45.7 68.5
57 19.4 15.2 22.8
100 10.8 8.6 12.8



#49
Dibromochloromethane
Concen: 4.84 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 129 Resp: 62976
Ion Ratio Lower Upper
129 100
127 76.9 53.8 100.0

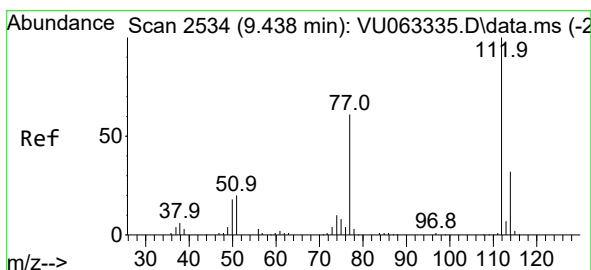
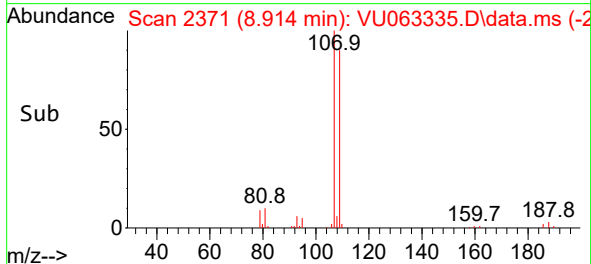
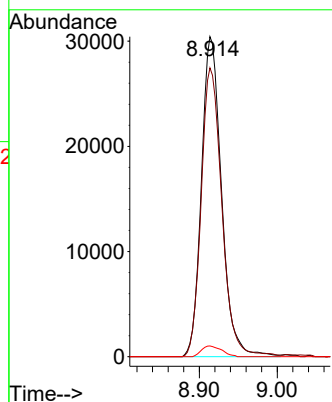
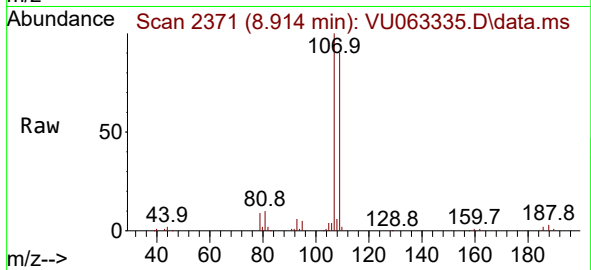




#50
1,2-Dibromoethane
Concen: 4.83 ug/L
RT: 8.914 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

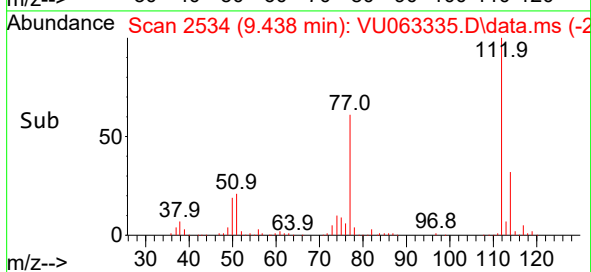
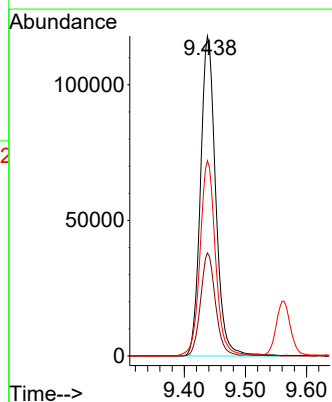
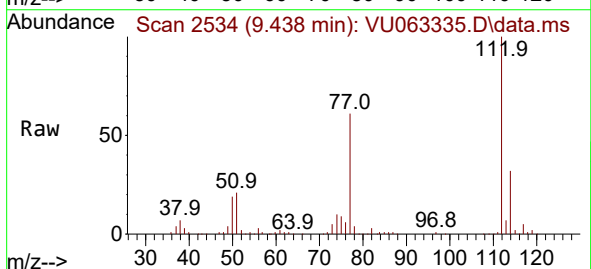
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

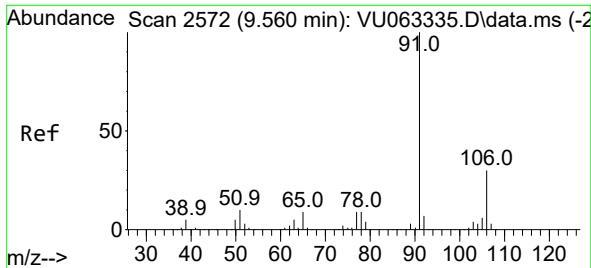
Tgt Ion:107 Resp: 54488
Ion Ratio Lower Upper
107 100
109 90.2 67.2 124.8
188 3.4 2.5 3.7



#51
Chlorobenzene
Concen: 5.05 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion:112 Resp: 203583
Ion Ratio Lower Upper
112 100
114 32.2 21.7 40.3
77 61.0 49.8 74.6

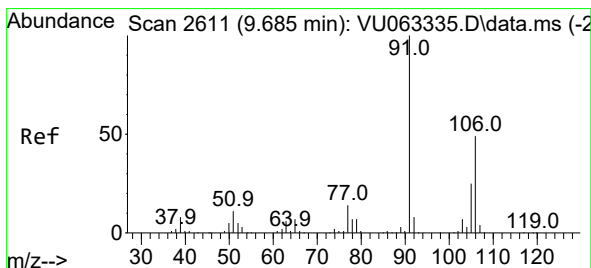
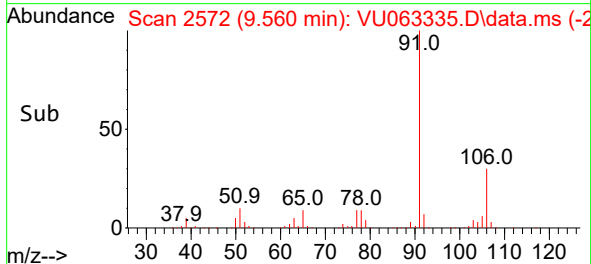
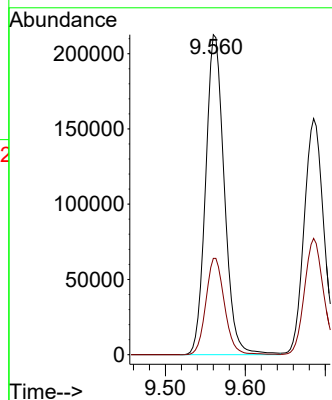
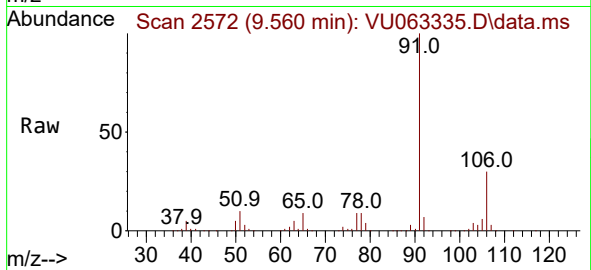




#52
Ethylbenzene
Concen: 5.22 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

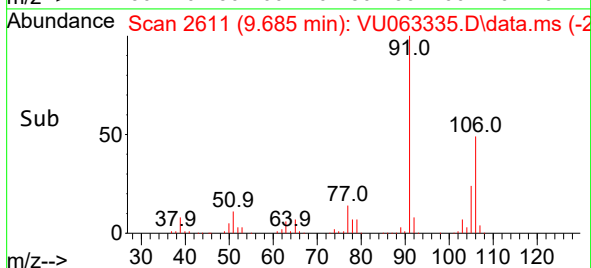
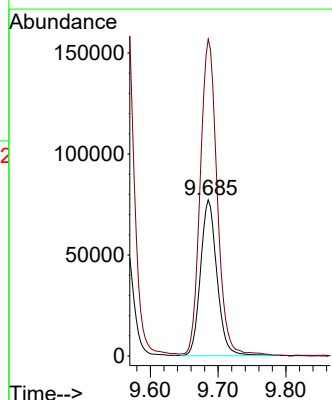
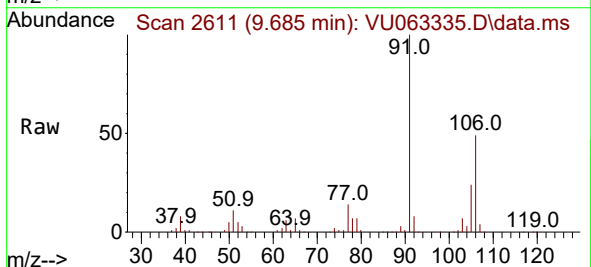
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

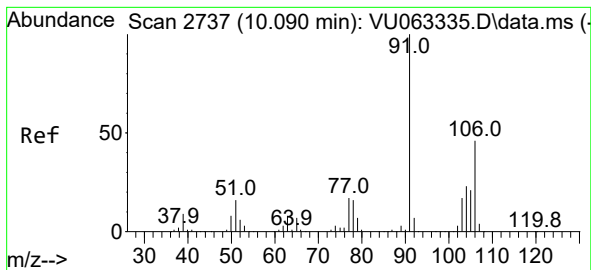
Tgt Ion: 91 Resp: 345719
Ion Ratio Lower Upper
91 100
106 30.1 21.1 39.1



#53
m,p-Xylene
Concen: 5.37 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 106 Resp: 129875
Ion Ratio Lower Upper
106 100
91 202.9 146.3 271.7





#54

o-Xylene

Concen: 5.41 ug/L

RT: 10.090 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063335.D

Acq: 04 Apr 2025 09:52

Instrument :

MSVOA_U

ClientSampleId :

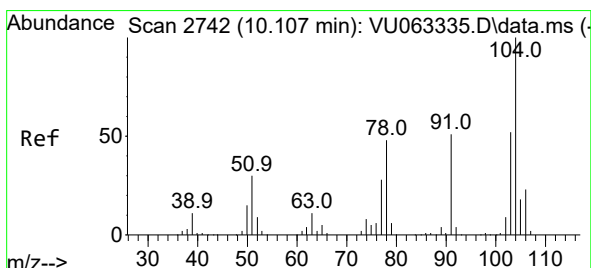
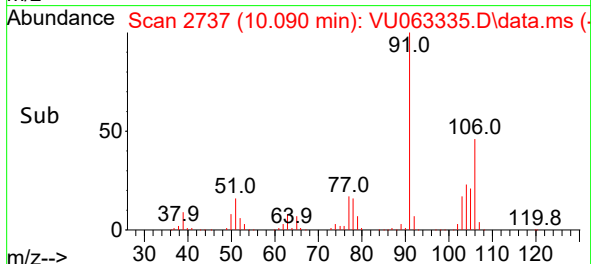
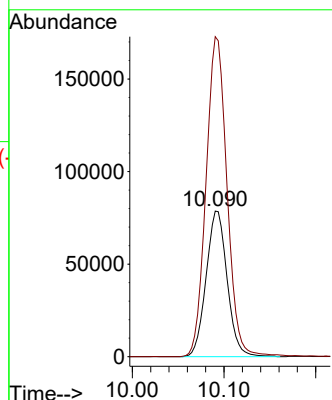
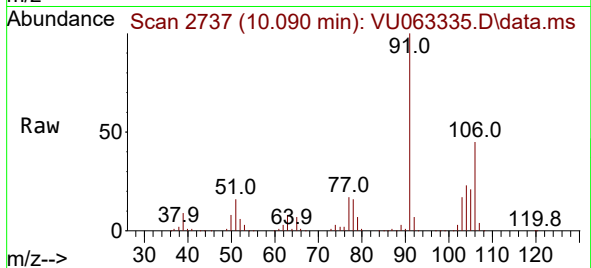
VSTD005138

Tgt Ion:106 Resp: 125454

Ion Ratio Lower Upper

106 100

91 219.8 155.6 289.0



#55

Styrene

Concen: 5.48 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU063335.D

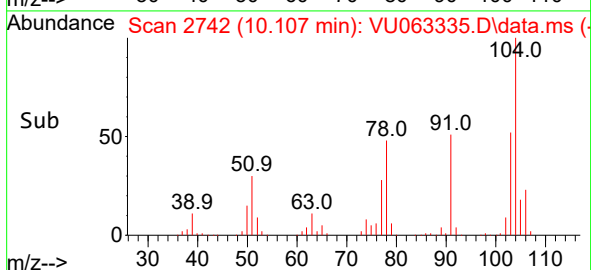
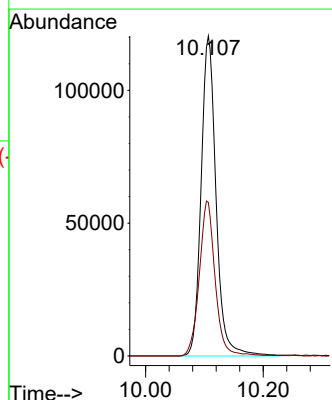
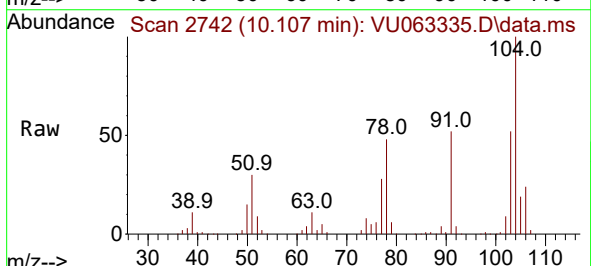
Acq: 04 Apr 2025 09:52

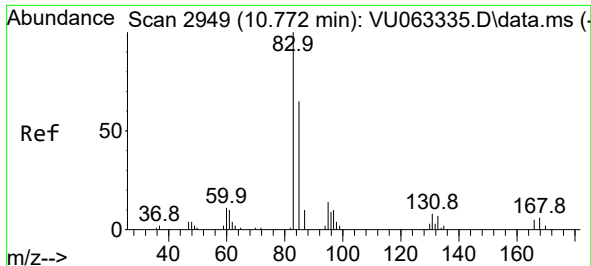
Tgt Ion:104 Resp: 212396

Ion Ratio Lower Upper

104 100

78 48.0 32.1 59.5

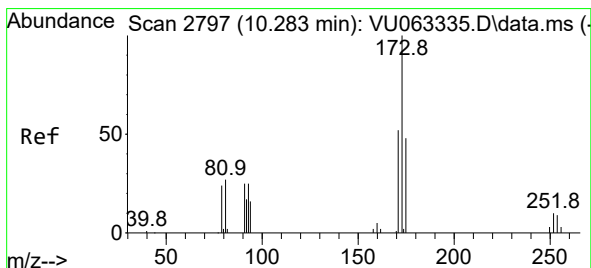
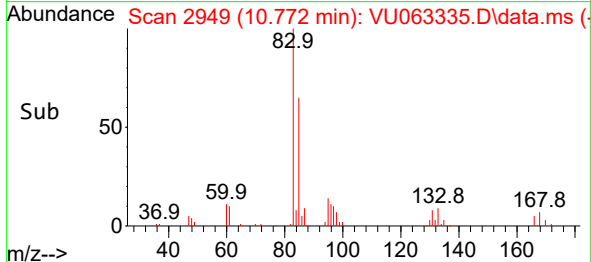
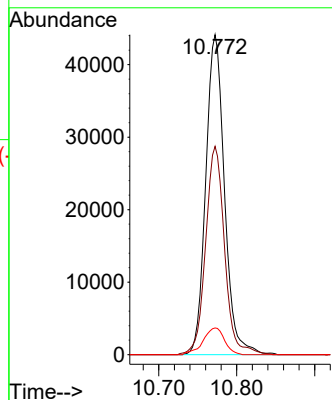
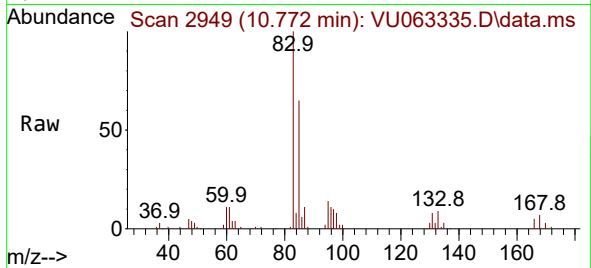




#57
1,1,2-Tetrachloroethane
Concen: 4.63 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

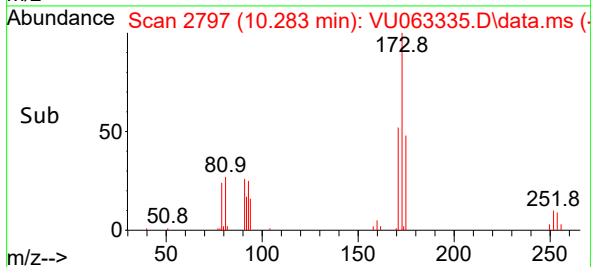
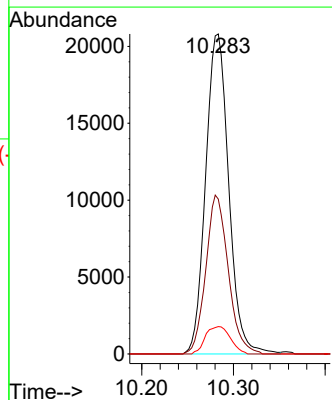
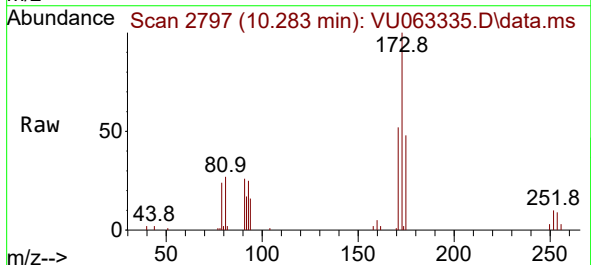
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

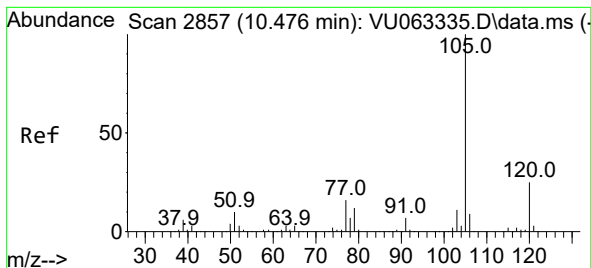
Tgt Ion: 83 Resp: 73770
Ion Ratio Lower Upper
83 100
85 65.1 45.0 83.6
131 8.4 7.1 10.7



#59
Bromoform
Concen: 4.58 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 173 Resp: 36449
Ion Ratio Lower Upper
173 100
175 48.2 39.4 59.0
254 9.3 7.2 10.8





#60

Isopropylbenzene

Concen: 5.35 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063335.D

Acq: 04 Apr 2025 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

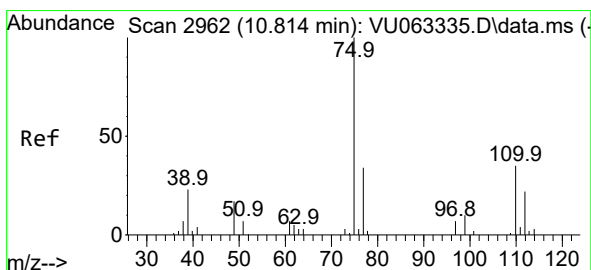
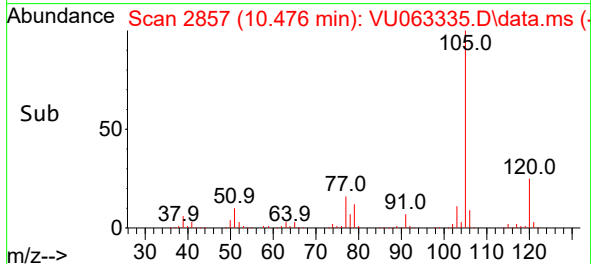
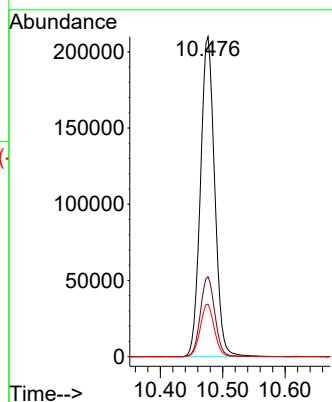
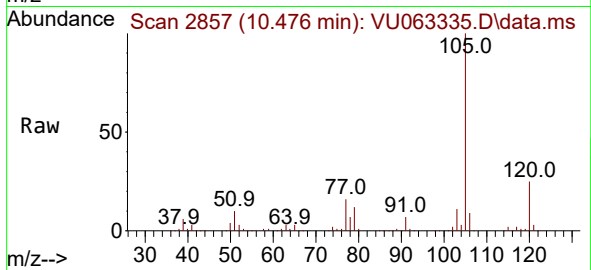
Tgt Ion:105 Resp: 333038

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

77 16.3 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 4.45 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU063335.D

Acq: 04 Apr 2025 09:52

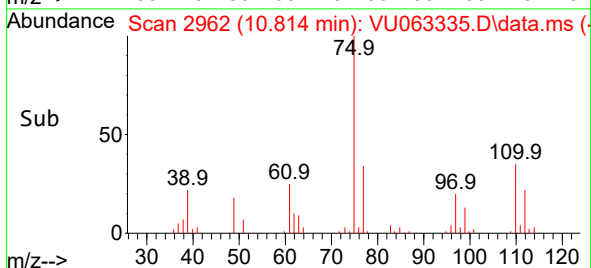
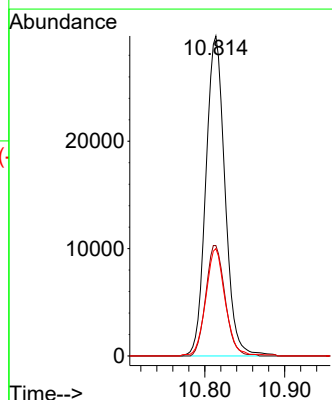
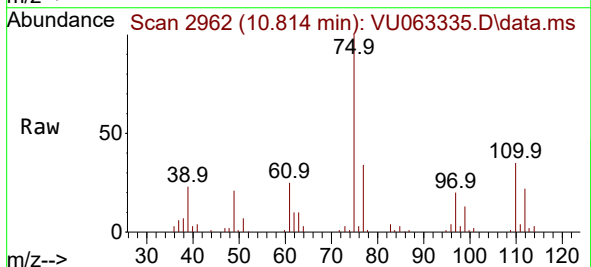
Tgt Ion: 75 Resp: 49604

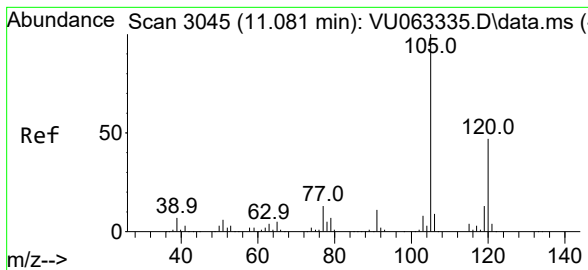
Ion Ratio Lower Upper

75 100

110 34.7 27.0 40.6

77 34.0 25.7 38.5

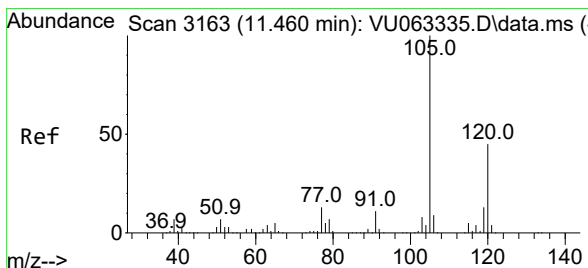
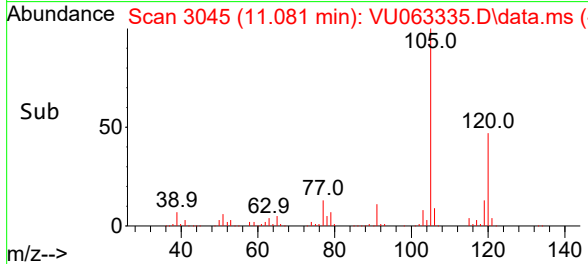
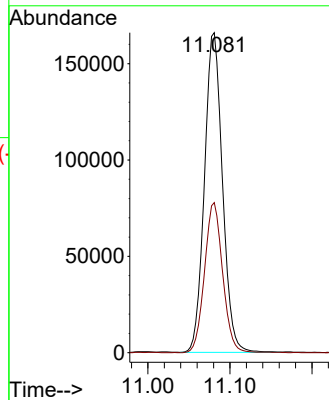
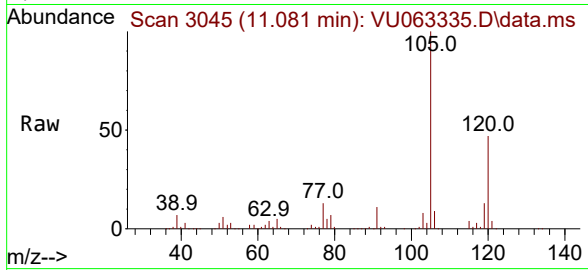




#62
 1,3,5-Trimethylbenzene
 Concen: 5.22 ug/L
 RT: 11.081 min Scan# 3045
 Delta R.T. 0.000 min
 Lab File: VU063335.D
 Acq: 04 Apr 2025 09:52

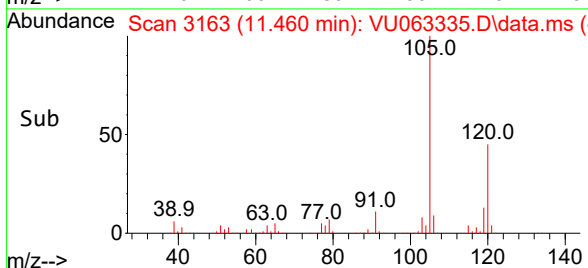
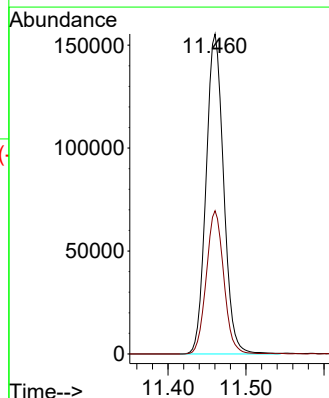
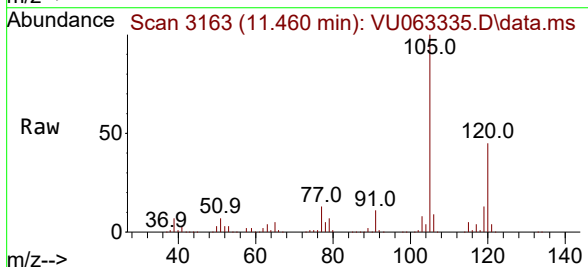
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

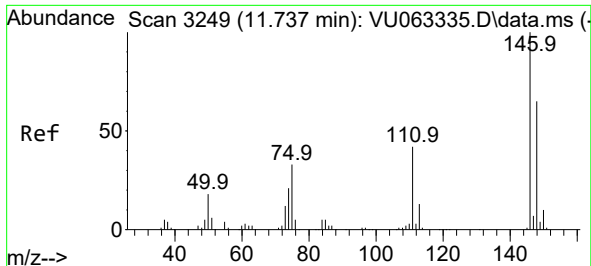
Tgt Ion:105 Resp: 253260
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.2 55.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.39 ug/L
 RT: 11.460 min Scan# 3163
 Delta R.T. 0.000 min
 Lab File: VU063335.D
 Acq: 04 Apr 2025 09:52

Tgt Ion:105 Resp: 243622
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.0 52.6

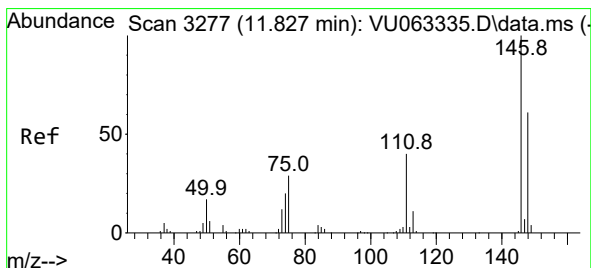
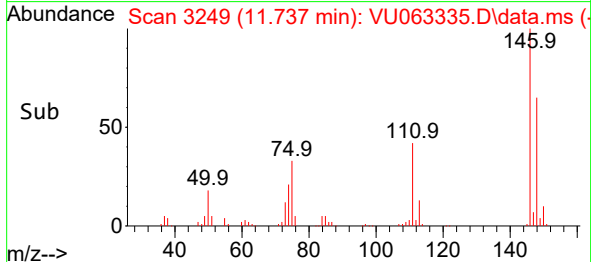
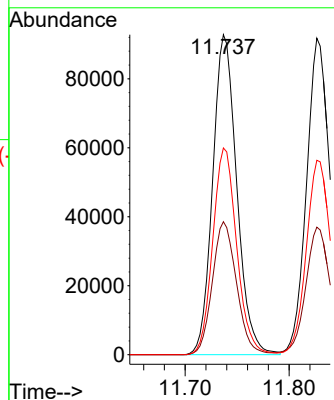
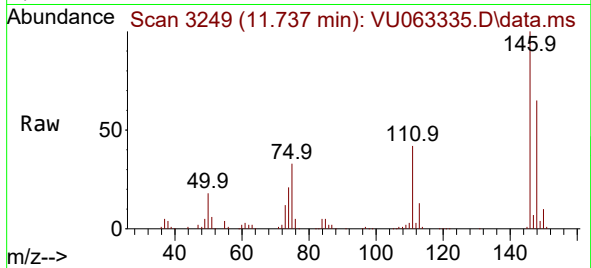




#64
1,3-Dichlorobenzene
Concen: 5.03 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

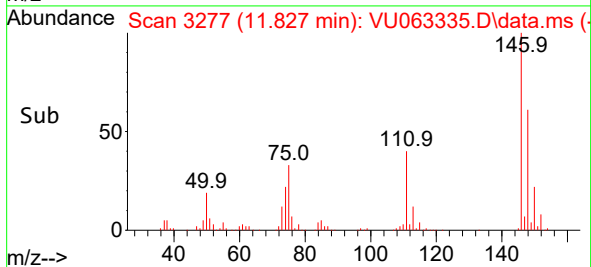
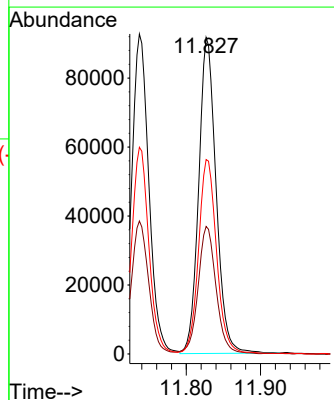
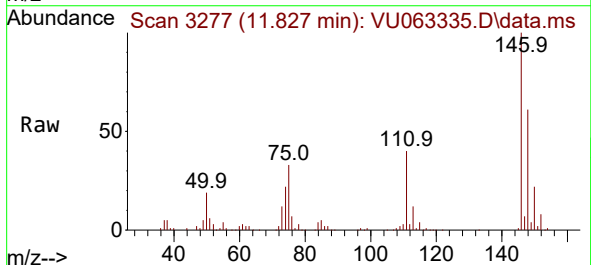
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

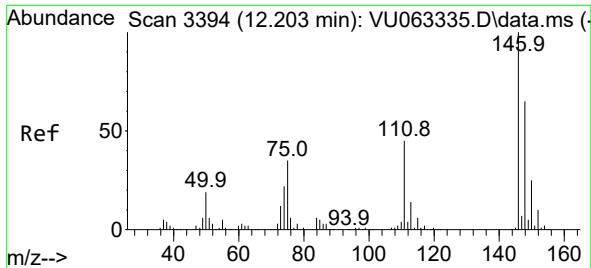
Tgt Ion:146 Resp: 149512
Ion Ratio Lower Upper
146 100
111 41.6 28.4 52.8
148 64.6 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 5.05 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion:146 Resp: 149456
Ion Ratio Lower Upper
146 100
111 40.3 28.8 53.6
148 61.4 45.3 84.1

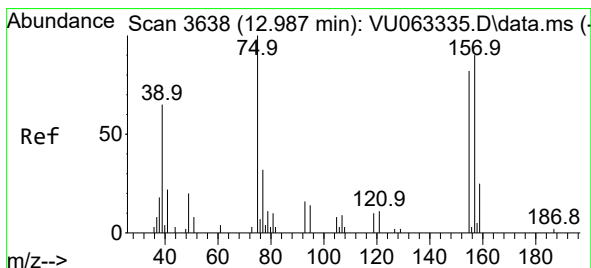
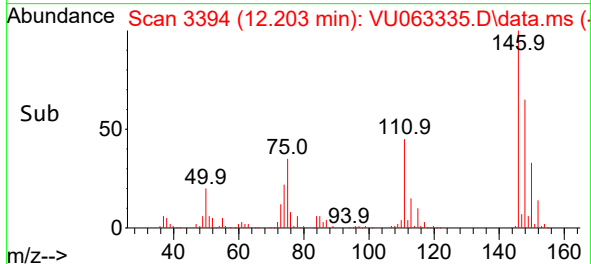
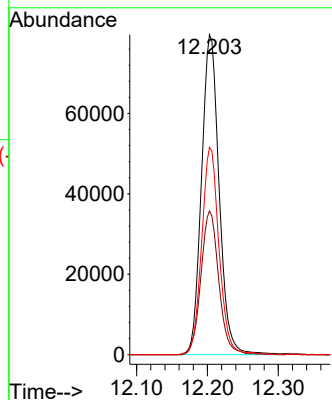
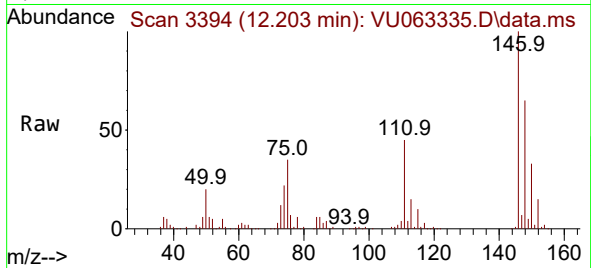




#67
1,2-Dichlorobenzene
Concen: 4.85 ug/L
RT: 12.203 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

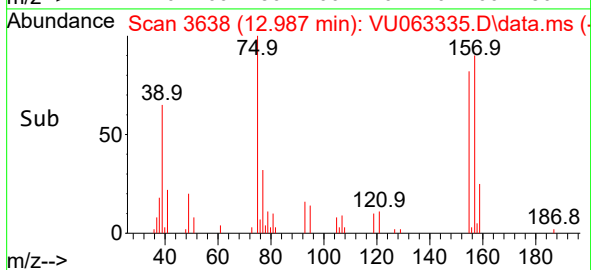
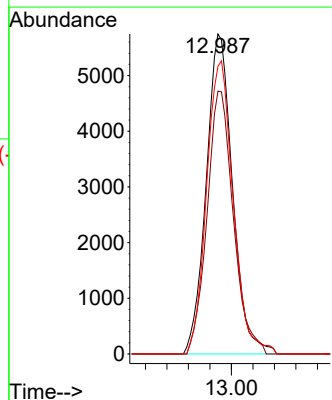
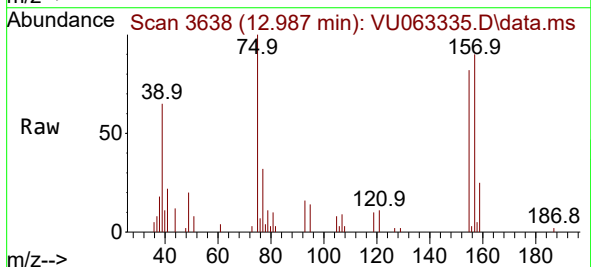
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

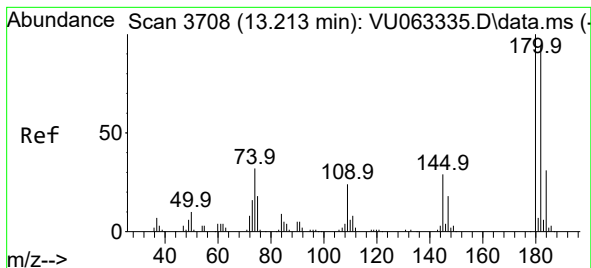
Tgt Ion:146 Resp: 137250
Ion Ratio Lower Upper
146 100
111 44.9 33.8 50.8
148 64.8 51.0 76.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.19 ug/L
RT: 12.987 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion: 75 Resp: 9773
Ion Ratio Lower Upper
75 100
155 82.1 63.6 95.4
157 89.9 78.9 118.3





#69

1,3,5-Trichlorobenzene

Concen: 4.96 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063335.D

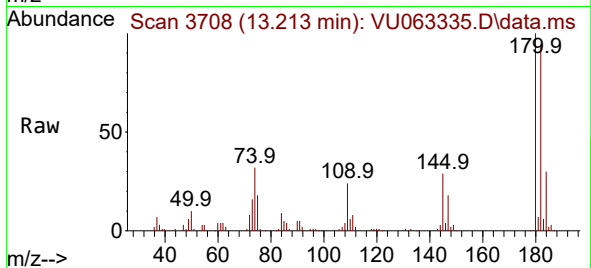
Acq: 04 Apr 2025 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138



Tgt Ion:180 Resp: 99809

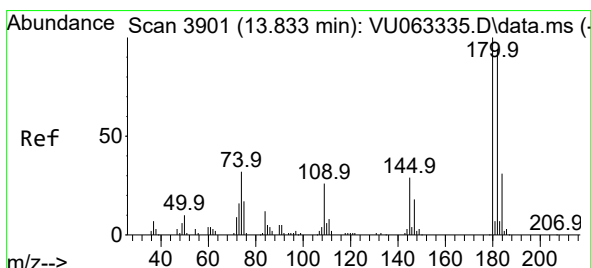
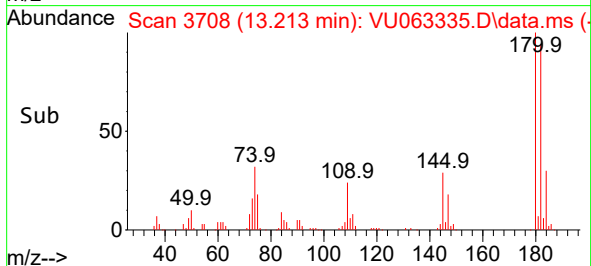
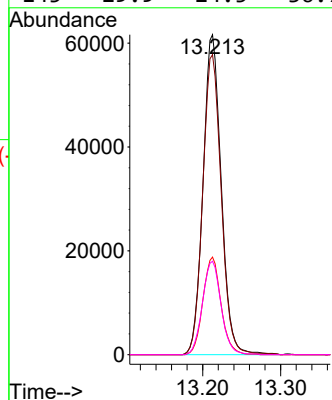
Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.6

184 30.3 24.6 37.0

145 29.9 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 4.85 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063335.D

Acq: 04 Apr 2025 09:52

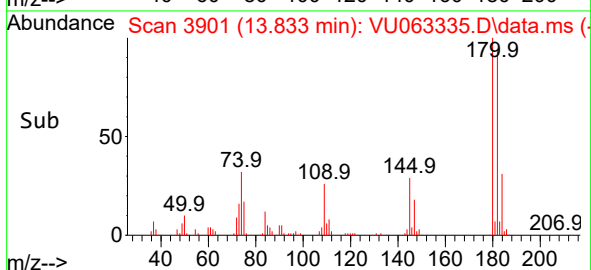
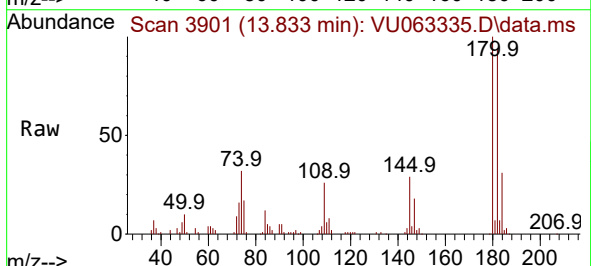
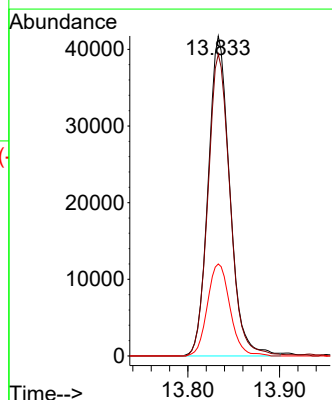
Tgt Ion:180 Resp: 68575

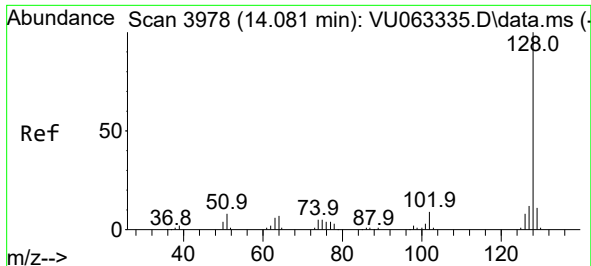
Ion Ratio Lower Upper

180 100

182 96.0 76.7 115.1

145 30.0 24.5 36.7

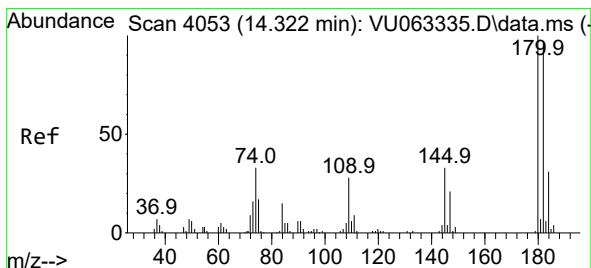
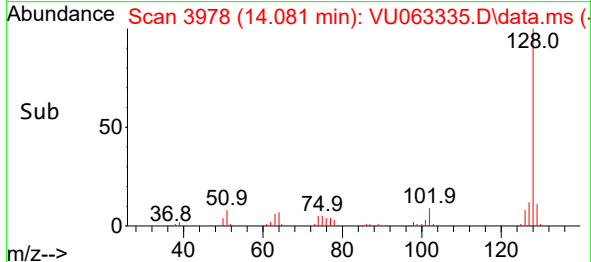
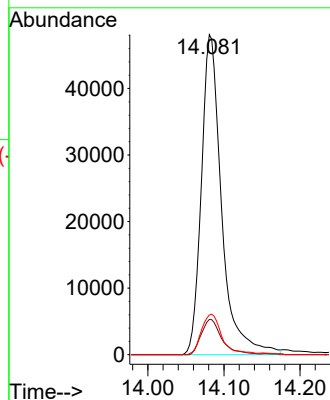
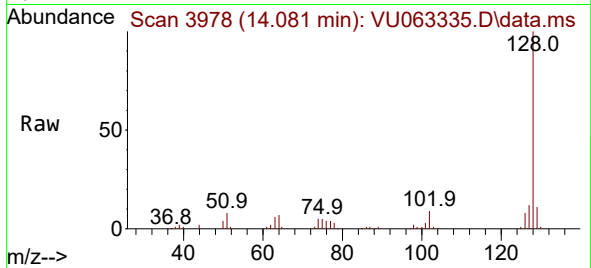




#71
Naphthalene
Concen: 4.29 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

Tgt Ion:	128	Resp:	89015
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.5	12.7
127	12.9	9.9	14.9



#72
1,2,3-Trichlorobenzene
Concen: 4.70 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063335.D
Acq: 04 Apr 2025 09:52

Tgt Ion:	180	Resp:	59388
Ion Ratio	Lower	Upper	
180	100		
182	94.6	77.3	115.9
145	31.9	26.8	40.2

