

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031825\
 Data File : VU063299.D
 Acq On : 18 Mar 2025 11:10
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

Quant Time: Mar 24 12:30:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 24 12:29:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	277077	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	272282	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	138219	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.592	65	103861	44.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.76%
7) Chloroethane-d5	1.891	69	88797	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.36%
11) 1,1-Dichloroethene-d2	2.554	63	192872	47.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.14%
21) 2-Butanone-d5	4.611	46	161624	96.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.73%
24) Chloroform-d	5.049	84	206726	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
26) 1,2-Dichloroethane-d4	5.689	65	127021	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
32) Benzene-d6	5.714	84	410469	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
36) 1,2-Dichloropropane-d6	6.679	67	132271	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.888	98	375074	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%
43) trans-1,3-Dichloroprop...	8.171	79	59200	48.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.22%
47) 2-Hexanone-d5	8.621	63	109642	104.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.01%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	201090	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
66) 1,2-Dichlorobenzene-d4	12.184	152	130245	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.380	85	122717	52.88	ug/L	99
3) Chloromethane	1.518	50	127416	48.95	ug/L	100
5) Vinyl chloride	1.599	62	133601	50.37	ug/L	99
6) Bromomethane	1.830	94	69195	46.44	ug/L	100
8) Chloroethane	1.914	64	80160	49.48	ug/L	99
9) Trichlorofluoromethane	2.123	101	162271	52.97	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	102506	54.73	ug/L	98
12) 1,1-Dichloroethene	2.567	96	92806	51.73	ug/L	90
13) Acetone	2.615	43	115182	101.51	ug/L	99
14) Carbon disulfide	2.779	76	291226	50.94	ug/L	99
15) Methyl Acetate	2.936	43	124673	50.14	ug/L #	100
16) Methylene chloride	3.030	84	112854	51.26	ug/L	95
17) trans-1,2-Dichloroethene	3.338	96	95295	50.18	ug/L	96
18) Methyl tert-butyl Ether	3.351	73	309993	51.08	ug/L	99
19) 1,1-Dichloroethane	3.853	63	197555	50.78	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	112129	51.45	ug/L	98
22) 2-Butanone	4.689	43	175506	106.55	ug/L	96
23) Bromochloromethane	4.959	128	57456	51.43	ug/L	99
25) Chloroform	5.074	83	201665	51.50	ug/L	98

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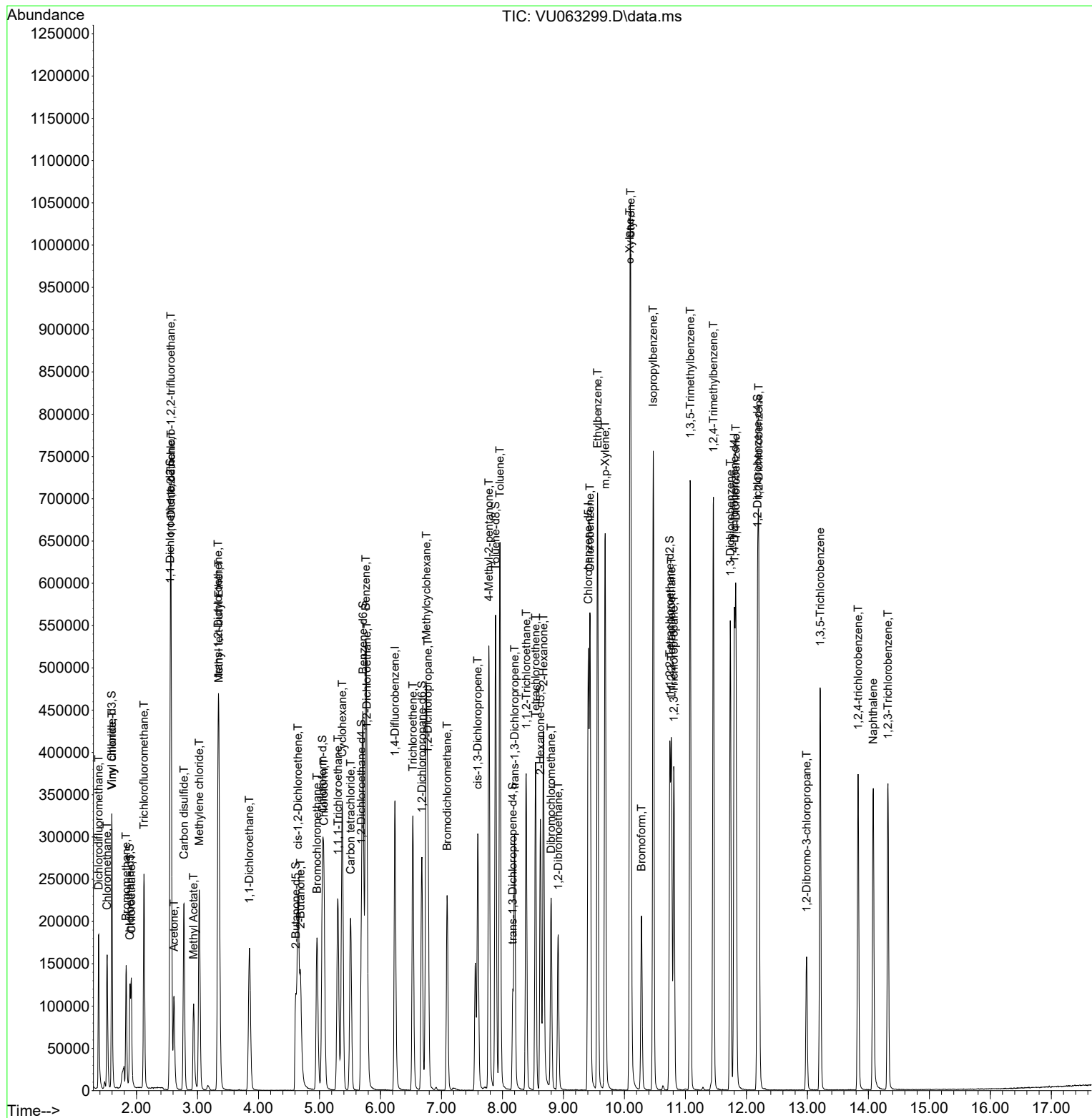
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	163016	53.01	ug/L	100
29) Cyclohexane	5.374	56	168032	53.11	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	163627	51.50	ug/L	98
31) Carbon tetrachloride	5.512	117	138561	52.36	ug/L	99
33) Benzene	5.759	78	448684	52.26	ug/L	100
34) Trichloroethene	6.531	95	114586	52.38	ug/L	99
35) Methylcyclohexane	6.753	83	172684	55.29	ug/L	99
37) 1,2-Dichloropropane	6.779	63	123233	51.21	ug/L	99
38) Bromodichloromethane	7.094	83	151425	51.17	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	180332	51.16	ug/L	97
40) 4-Methyl-2-pentanone	7.779	43	333962	106.72	ug/L	100
42) Toluene	7.959	91	478544	53.88	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	170395	52.31	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	115878	50.72	ug/L	98
46) Tetrachloroethene	8.544	164	84233	54.55	ug/L	99
48) 2-Hexanone	8.672	43	259812	108.90	ug/L	98
49) Dibromochloromethane	8.798	129	113917	51.40	ug/L	99
50) 1,2-Dibromoethane	8.914	107	123140	51.61	ug/L	99
51) Chlorobenzene	9.438	112	292115	52.24	ug/L	99
52) Ethylbenzene	9.560	91	498936	53.68	ug/L	98
53) m,p-Xylene	9.685	106	190548	55.49	ug/L	97
54) o-Xylene	10.090	106	181546	54.24	ug/L	98
55) Styrene	10.103	104	313697	56.77	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	205096	51.63	ug/L	98
59) Bromoform	10.280	173	91860	50.39	ug/L	99
60) 1,2,3-Trichloropropane	10.811	75	160323	49.98	ug/L	99
61) Isopropylbenzene	10.473	105	484358	53.43	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	386855	54.08	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	377972	55.10	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	222556	52.02	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	222748	51.25	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	219667	50.92	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	41706	49.84	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	151612	52.66	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	113652	51.06	ug/L	100
71) Naphthalene	14.081	128	308000	50.29	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	114520	52.65	ug/L	97

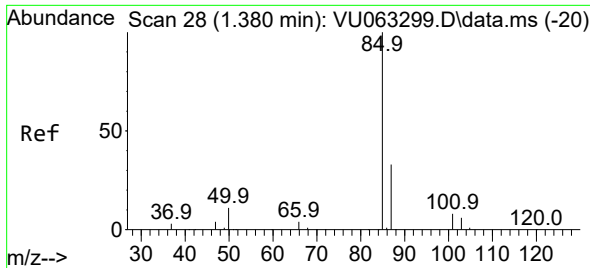
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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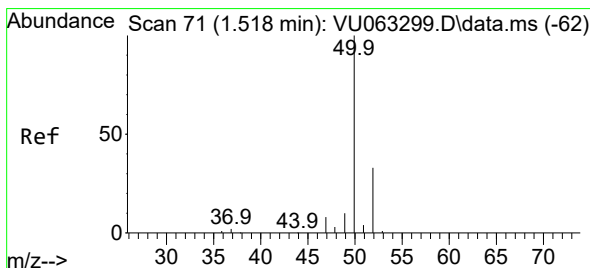
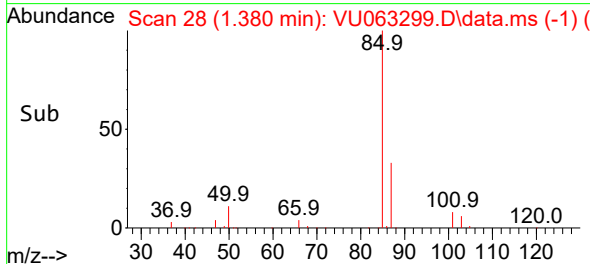
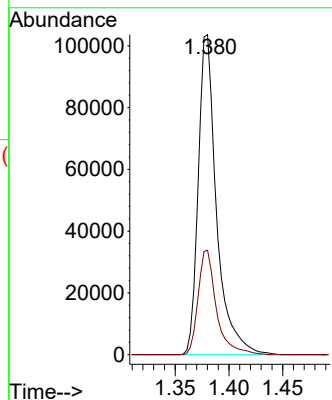
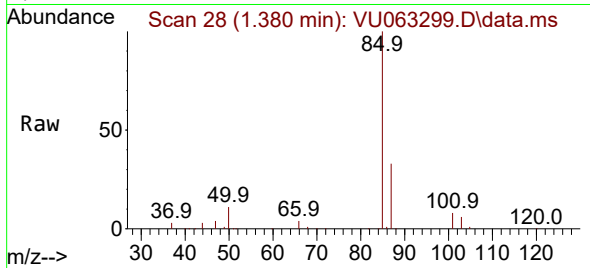




#2
 Dichlorodifluoromethane
 Concen: 52.88 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU063299.D
 Acq: 18 Mar 2025 11:10

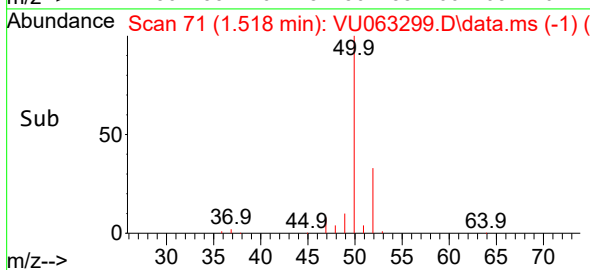
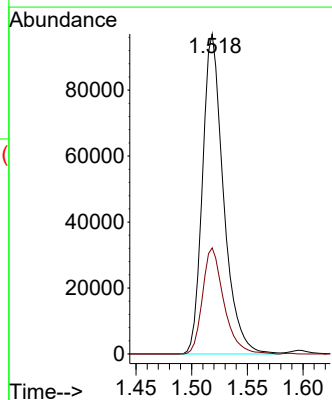
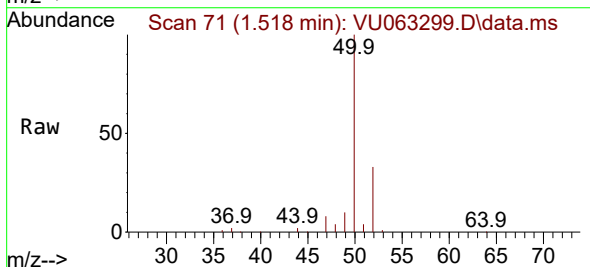
Instrument :
 MSVOA_U
 ClientSampleId :
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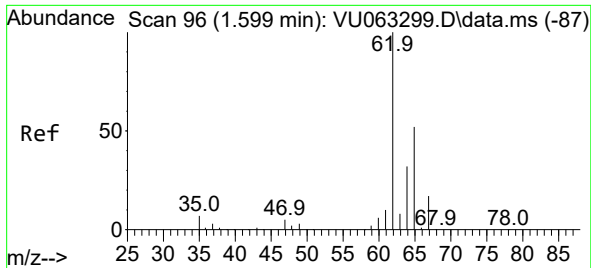
Tgt Ion: 85 Resp: 122717
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.8 38.6



#3
 Chloromethane
 Concen: 48.95 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU063299.D
 Acq: 18 Mar 2025 11:10

Tgt Ion: 50 Resp: 127416
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.2 43.0

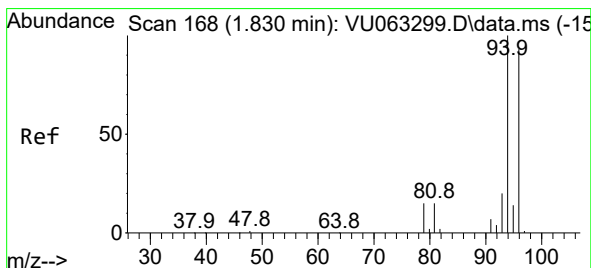
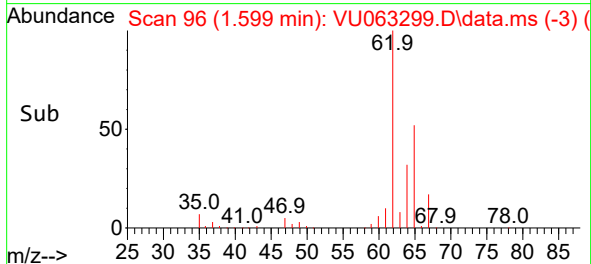
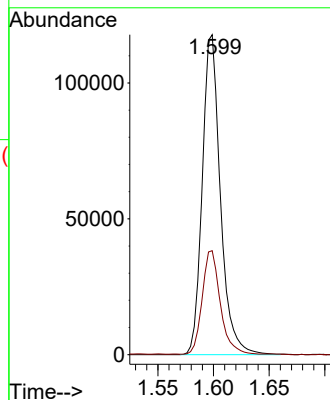
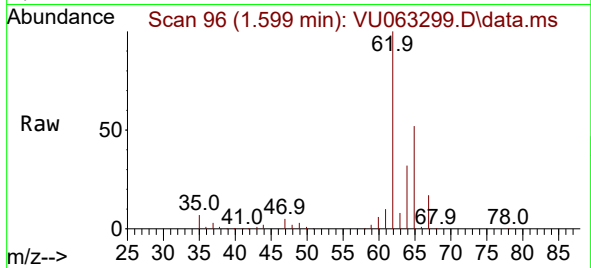




#5
 Vinyl chloride
 Concen: 50.37 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063299.D
 Acq: 18 Mar 2025 11:10

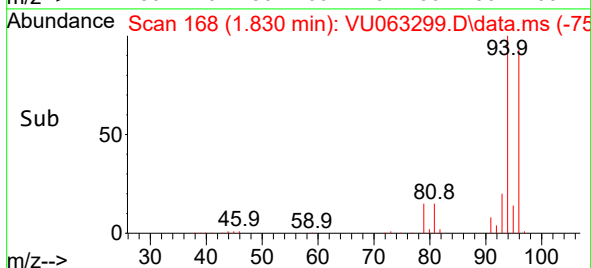
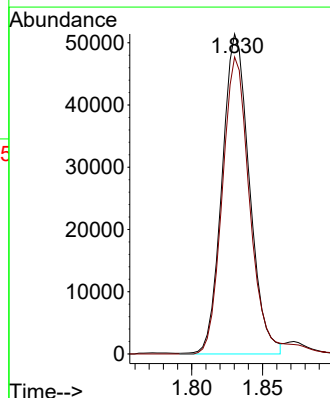
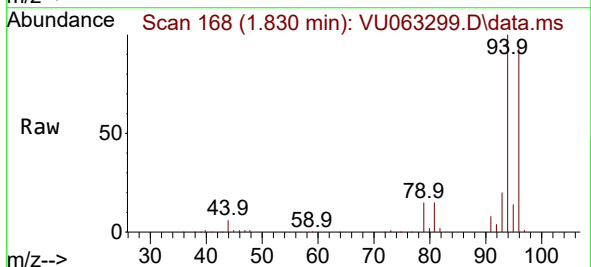
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

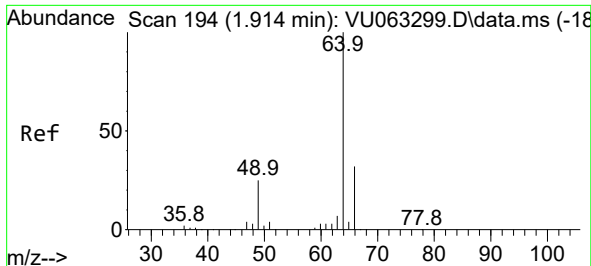
Tgt Ion: 62 Resp: 133601
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.2 43.2



#6
 Bromomethane
 Concen: 46.44 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. 0.000 min
 Lab File: VU063299.D
 Acq: 18 Mar 2025 11:10

Tgt Ion: 94 Resp: 69195
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.2 121.2

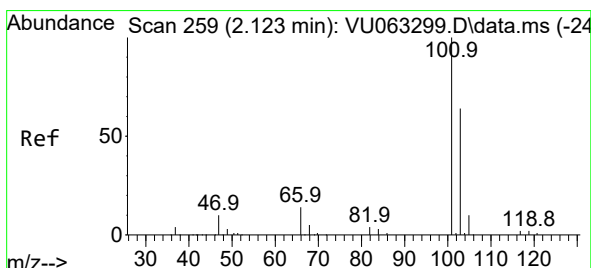
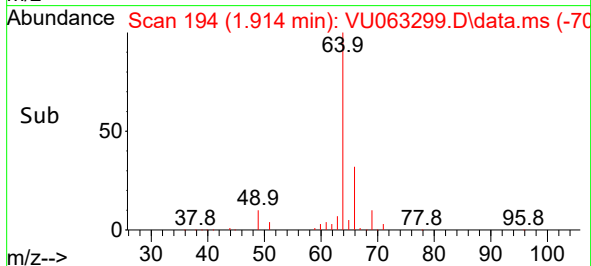
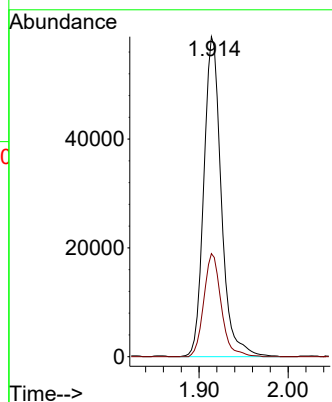
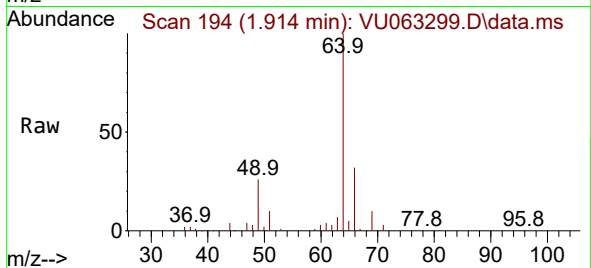




#8
Chloroethane
Concen: 49.48 ug/L
RT: 1.914 min Scan# 194
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

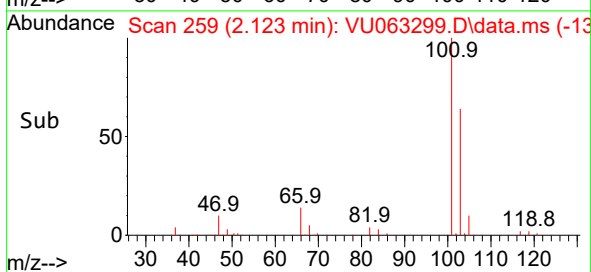
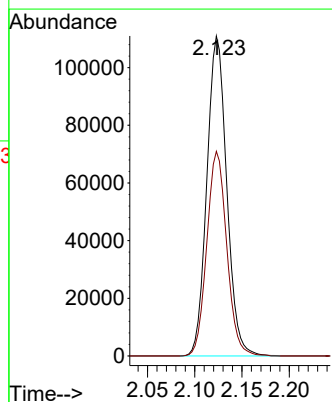
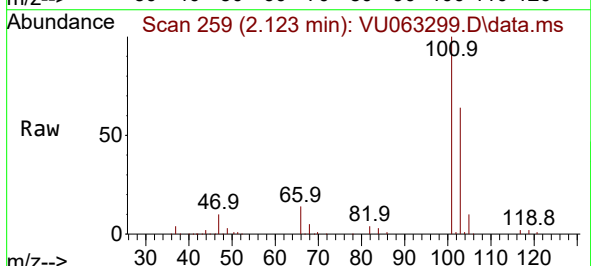
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

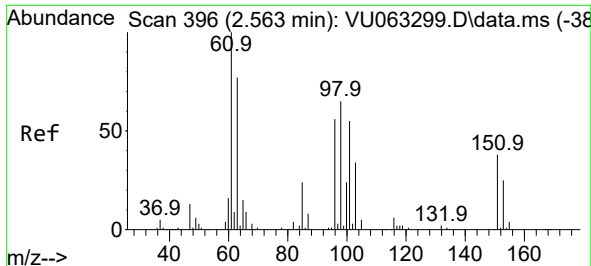
Tgt Ion: 64 Resp: 80160
Ion Ratio Lower Upper
64 100
66 32.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 52.97 ug/L
RT: 2.123 min Scan# 259
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion:101 Resp: 162271
Ion Ratio Lower Upper
101 100
103 64.3 51.2 76.8

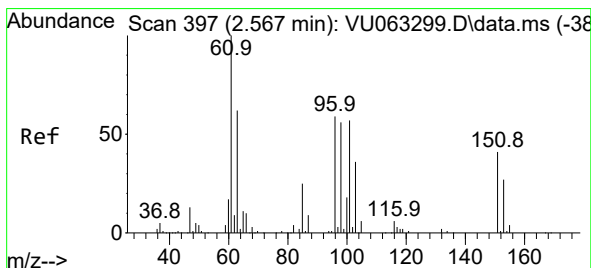
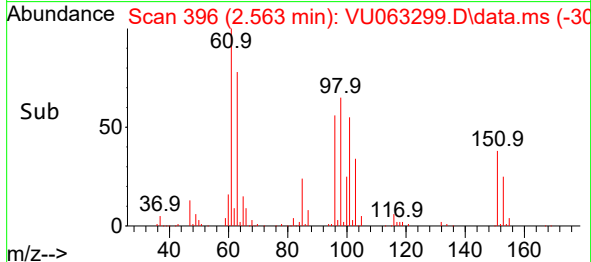
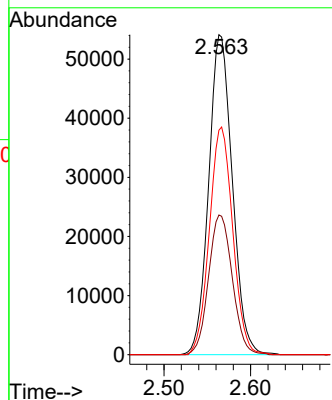
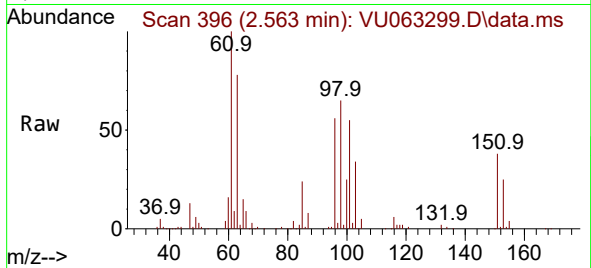




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 54.73 ug/L
RT: 2.563 min Scan# 396
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

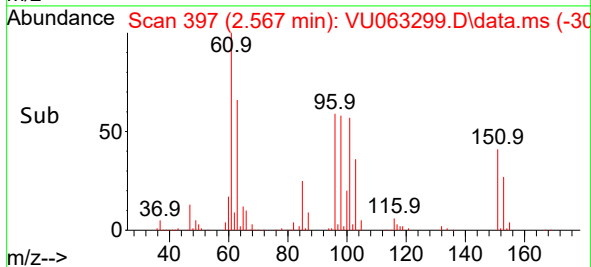
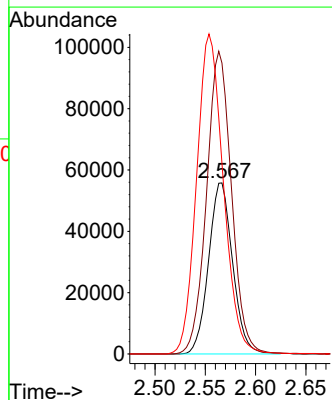
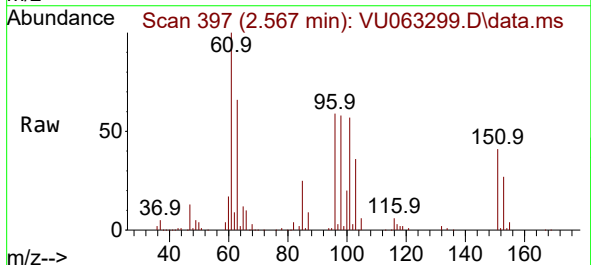
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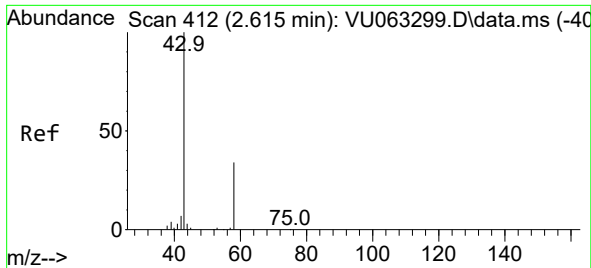
Tgt Ion:101 Resp: 102506
Ion Ratio Lower Upper
101 100
85 43.9 36.5 54.7
151 70.5 57.4 86.0



#12
1,1-Dichloroethene
Concen: 51.73 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion: 96 Resp: 92806
Ion Ratio Lower Upper
96 100
61 170.0 121.9 226.5
63 111.4 93.2 173.0





#13

Acetone

Concen: 101.51 ug/L

RT: 2.615 min Scan# 412

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

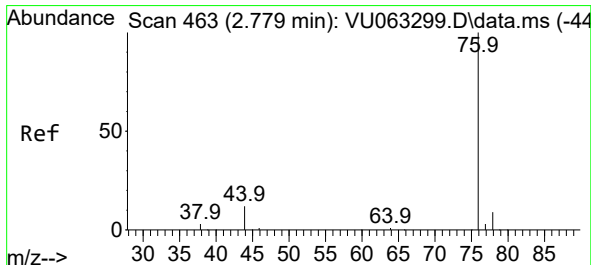
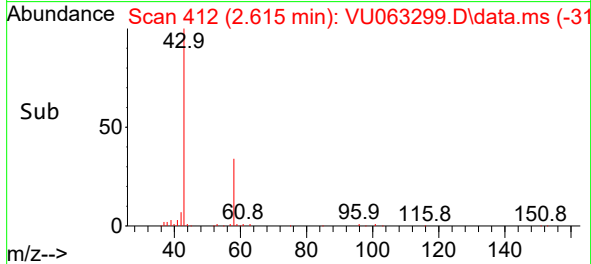
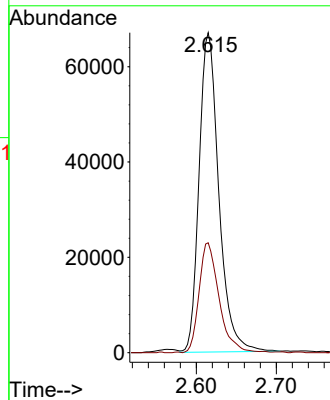
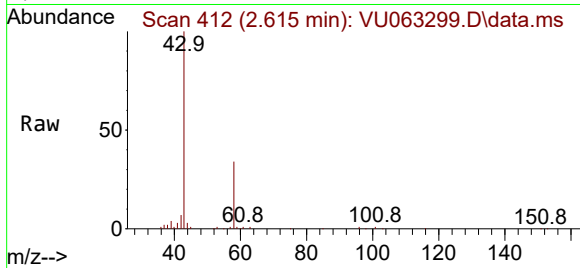
VSTD050104

Tgt Ion: 43 Resp: 115182

Ion Ratio Lower Upper

43 100

58 34.7 0.0 68.4



#14

Carbon disulfide

Concen: 50.94 ug/L

RT: 2.779 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU063299.D

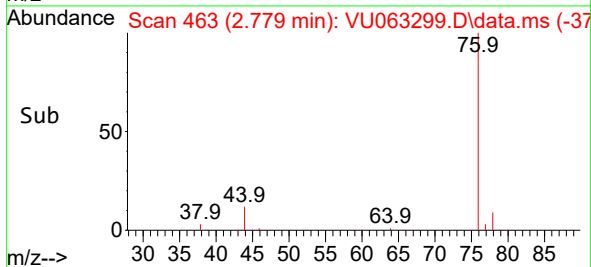
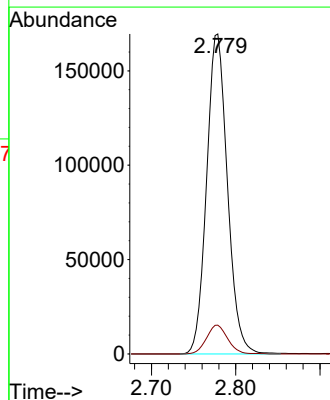
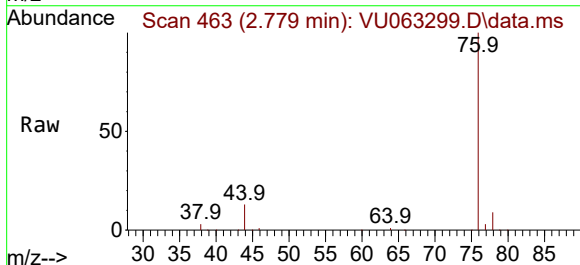
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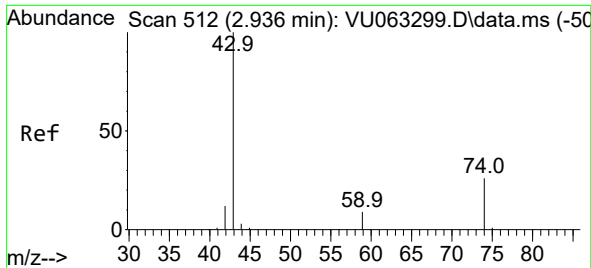
Tgt Ion: 76 Resp: 291226

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

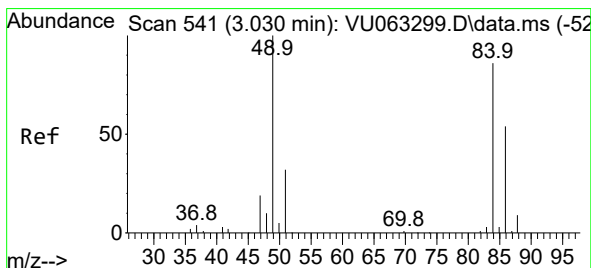
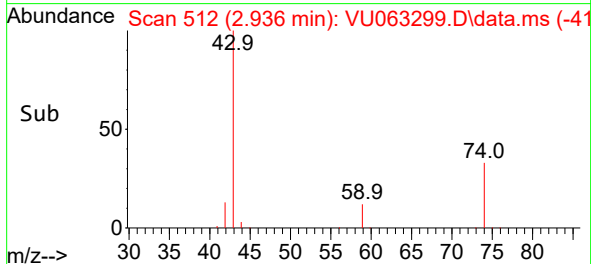
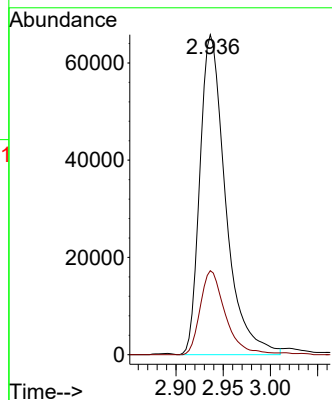
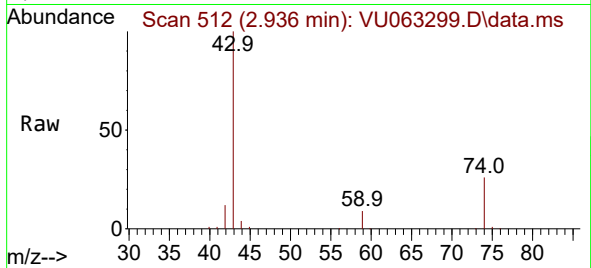




#15
Methyl Acetate
Concen: 50.14 ug/L
RT: 2.936 min Scan# 512
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

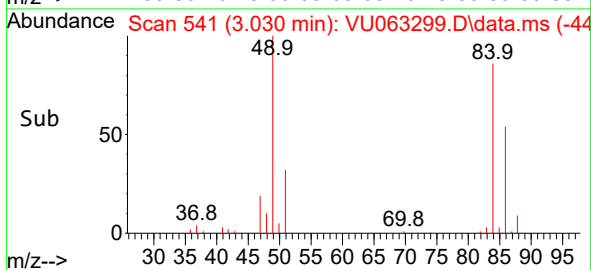
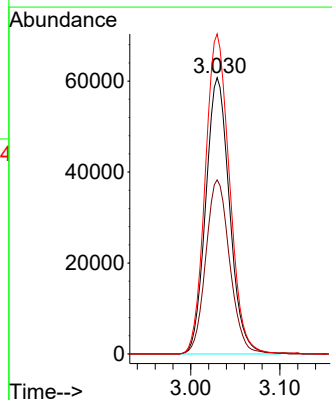
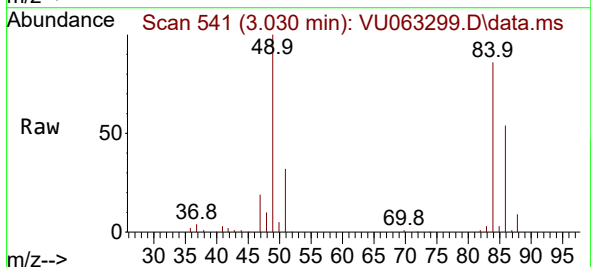
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

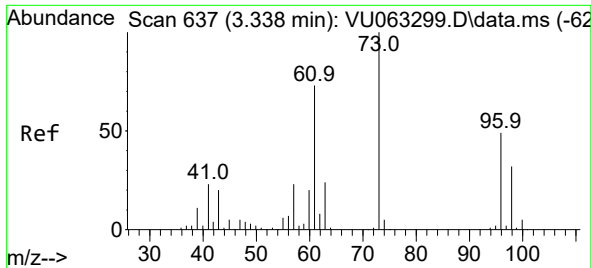
Tgt Ion: 43 Resp: 124673
Ion Ratio Lower Upper
43 100
74 25.6 0.0 0.0#



#16
Methylene chloride
Concen: 51.26 ug/L
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion: 84 Resp: 112854
Ion Ratio Lower Upper
84 100
86 63.0 44.4 82.5
49 115.8 86.3 160.3

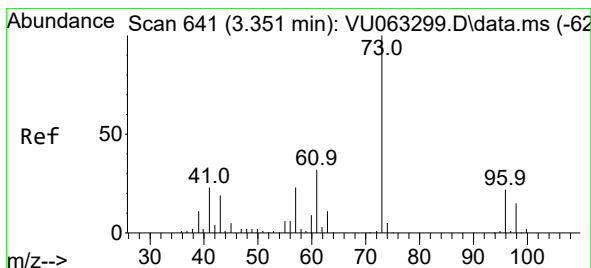
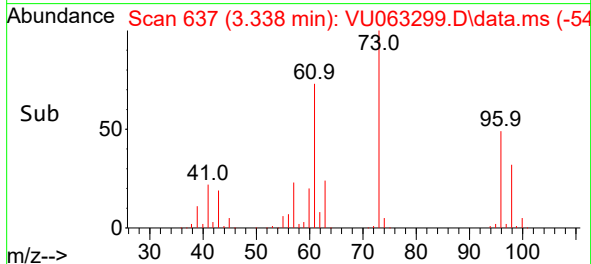
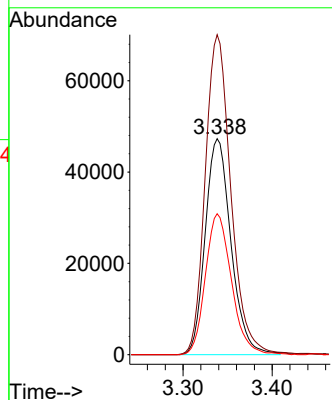
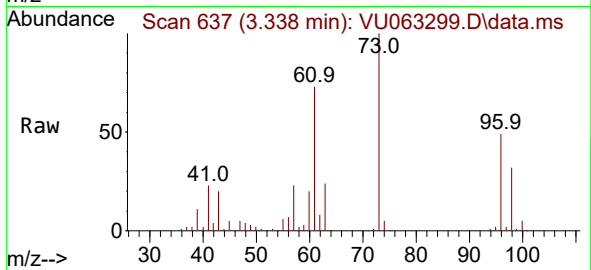




#17
trans-1,2-Dichloroethene
Concen: 50.18 ug/L
RT: 3.338 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

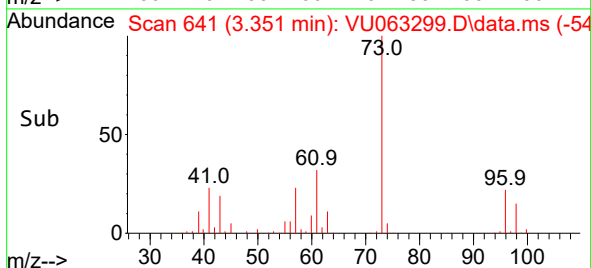
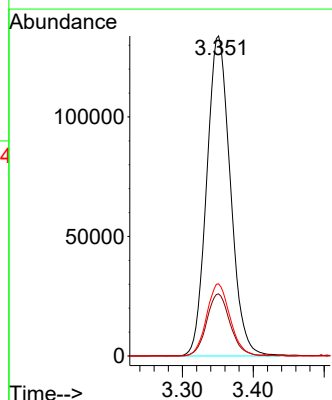
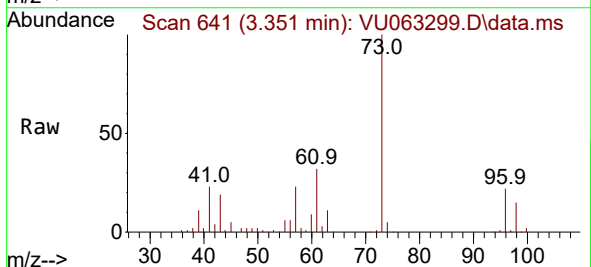
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

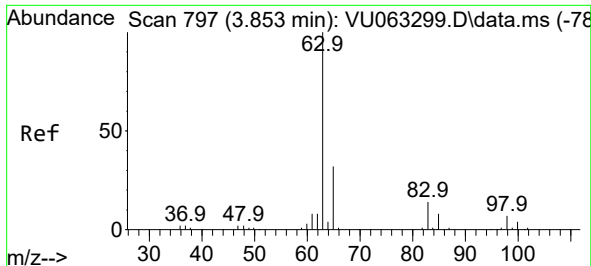
Tgt Ion: 96 Resp: 95295
Ion Ratio Lower Upper
96 100
61 148.2 100.1 185.9
98 65.3 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 51.08 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion: 73 Resp: 309993
Ion Ratio Lower Upper
73 100
43 19.3 15.4 23.2
57 22.4 18.3 27.5





#19

1,1-Dichloroethane

Concen: 50.78 ug/L

RT: 3.853 min Scan# 797

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

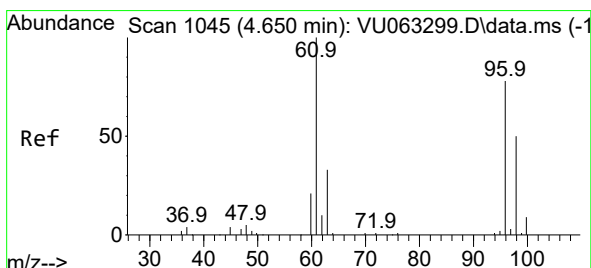
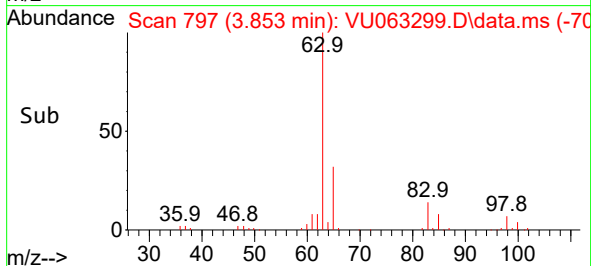
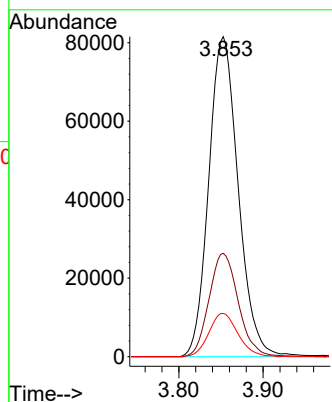
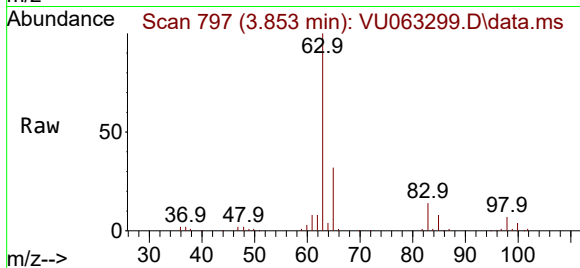
Tgt Ion: 63 Resp: 197555

Ion Ratio Lower Upper

63 100

65 32.3 21.9 40.7

83 13.5 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 51.45 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

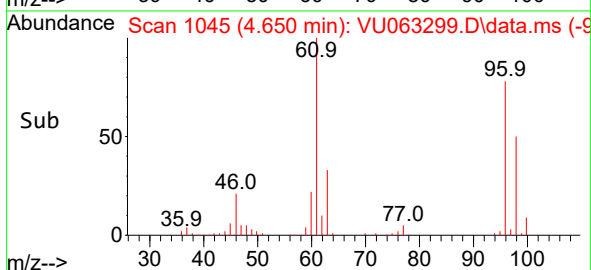
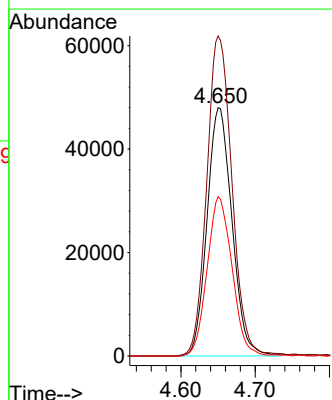
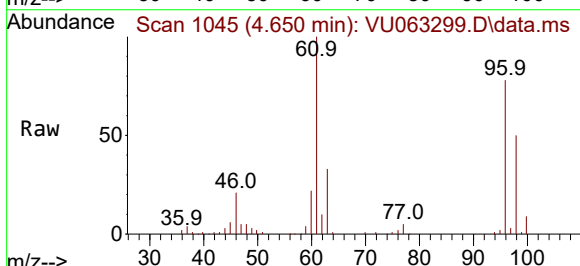
Tgt Ion: 96 Resp: 112129

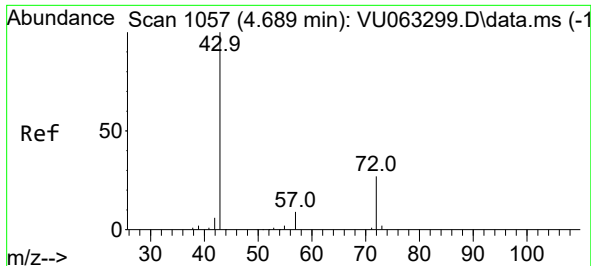
Ion Ratio Lower Upper

96 100

61 128.9 91.6 170.0

98 64.2 44.0 81.8

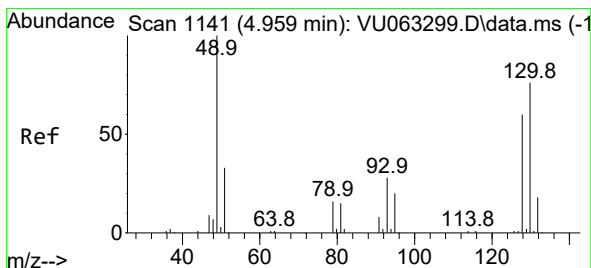
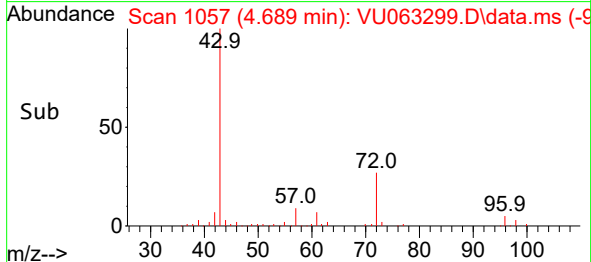
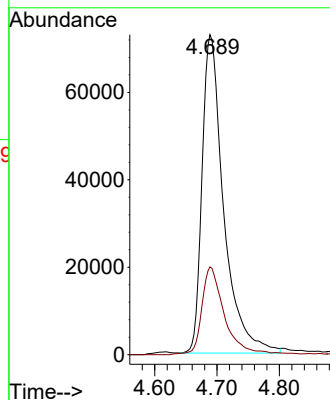
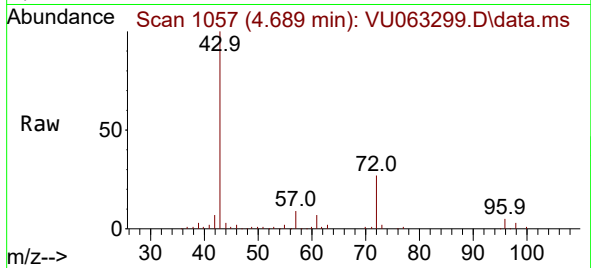




#22
2-Butanone
Concen: 106.55 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

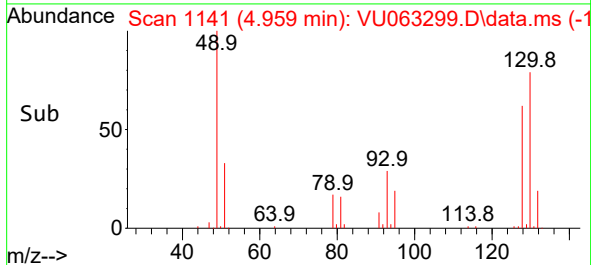
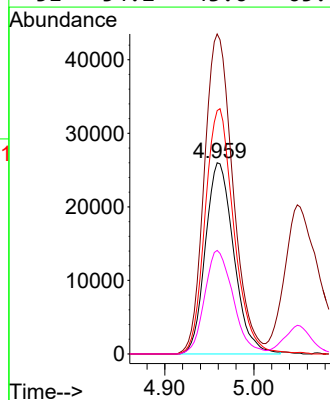
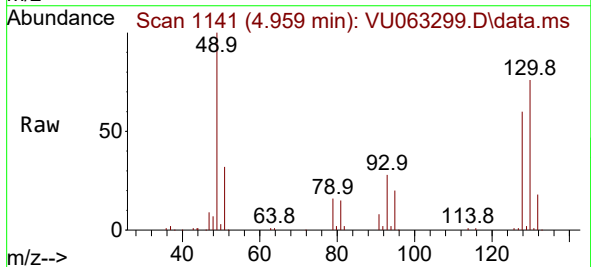
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

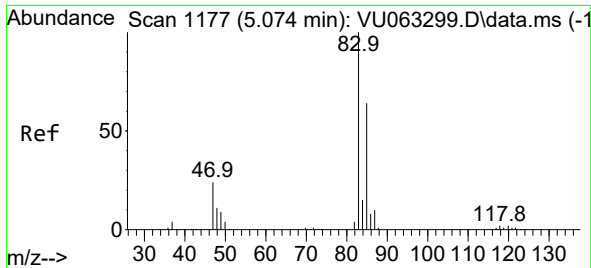
Tgt Ion: 43 Resp: 175506
Ion Ratio Lower Upper
43 100
72 28.5 15.4 46.4



#23
Bromochloromethane
Concen: 51.43 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion:128 Resp: 57456
Ion Ratio Lower Upper
128 100
49 167.4 118.2 219.6
130 127.3 89.2 165.8
51 54.2 43.6 65.4

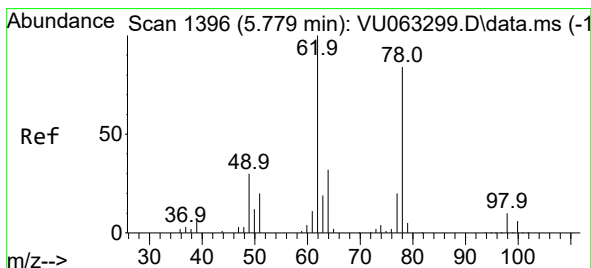
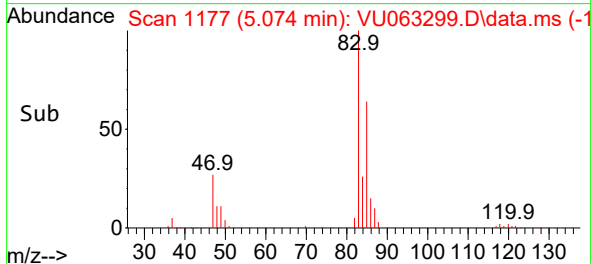
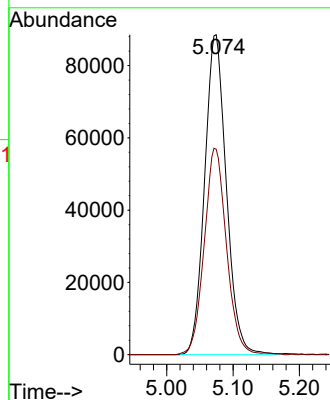
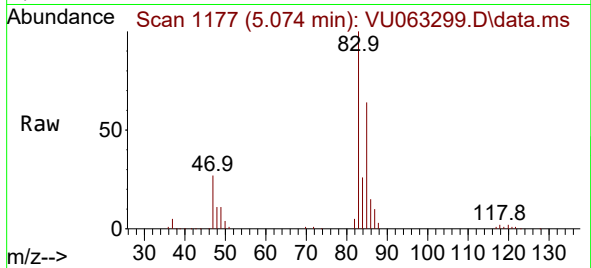




#25
Chloroform
Concen: 51.50 ug/L
RT: 5.074 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

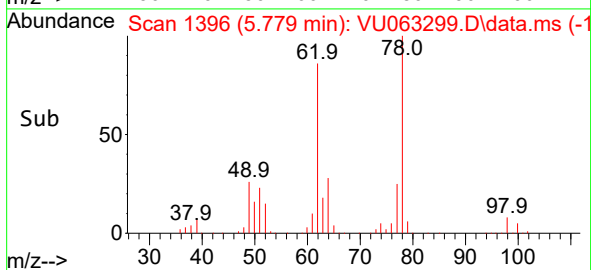
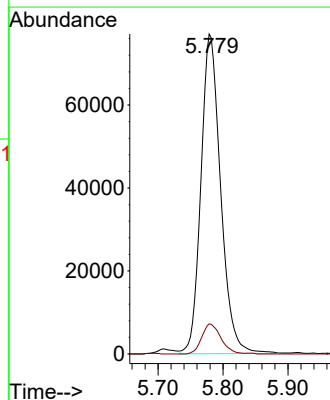
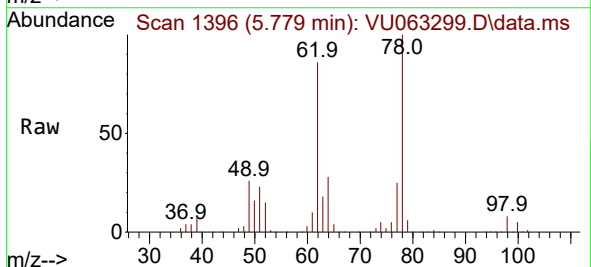
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

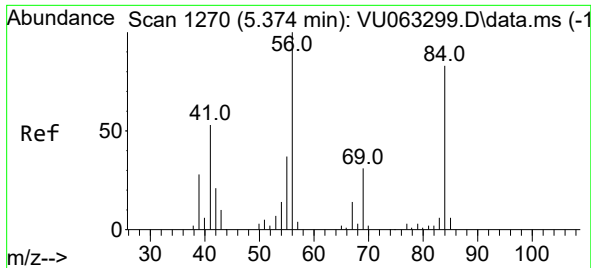
Tgt Ion: 83 Resp: 201665
Ion Ratio Lower Upper
83 100
85 64.2 45.9 85.3



#27
1,2-Dichloroethane
Concen: 53.01 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion: 62 Resp: 163016
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

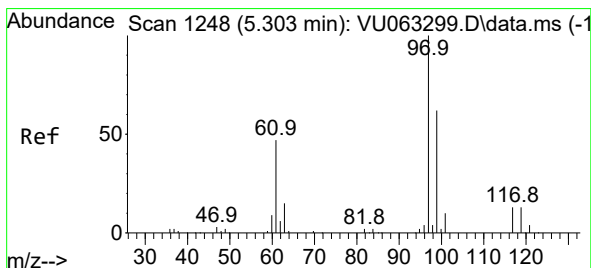
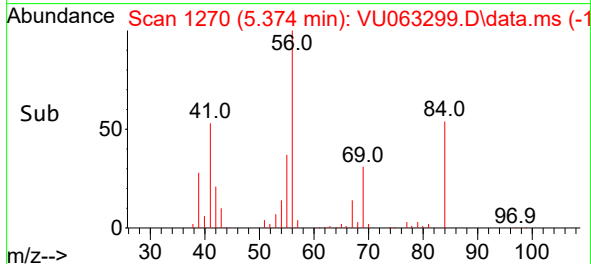
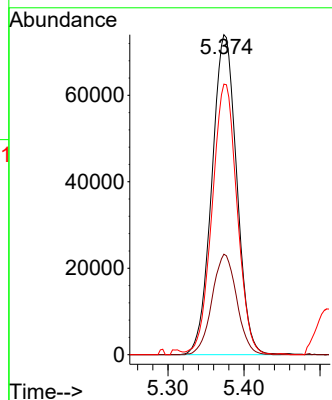
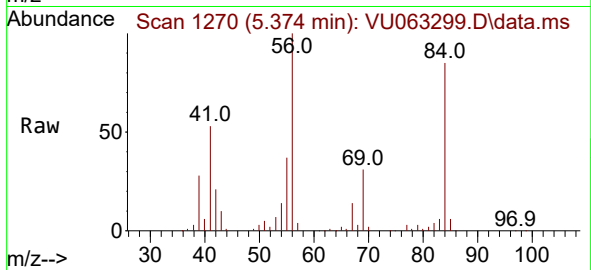




#29
Cyclohexane
Concen: 53.11 ug/L
RT: 5.374 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

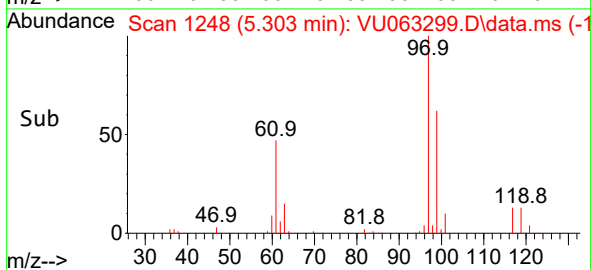
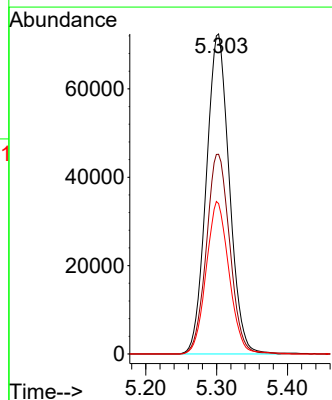
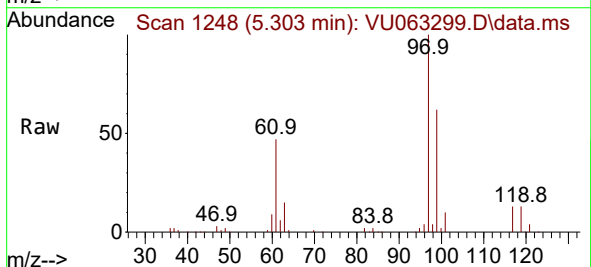
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

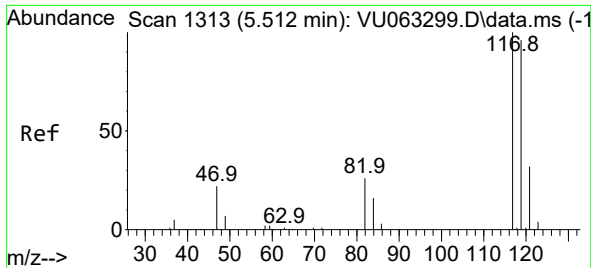
Tgt Ion: 56 Resp: 168032
Ion Ratio Lower Upper
56 100
69 31.2 24.2 36.4
84 85.0 67.2 100.8



#30
1,1,1-Trichloroethane
Concen: 51.50 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion: 97 Resp: 163627
Ion Ratio Lower Upper
97 100
99 63.3 52.1 78.1
61 47.3 38.6 57.8

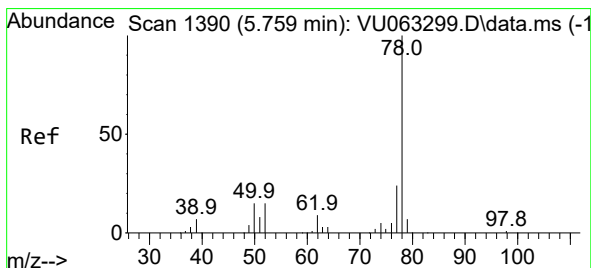
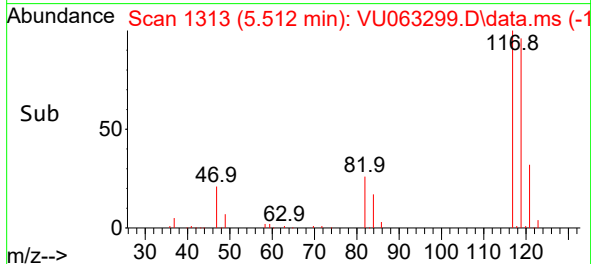
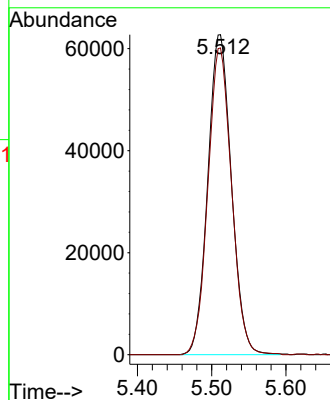
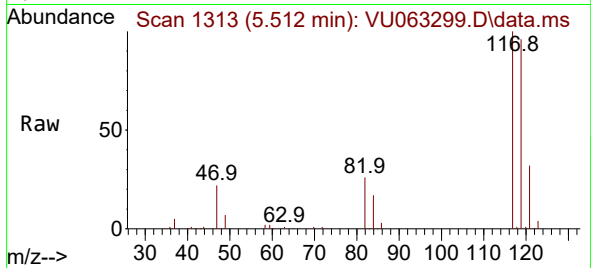




#31
Carbon tetrachloride
Concen: 52.36 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

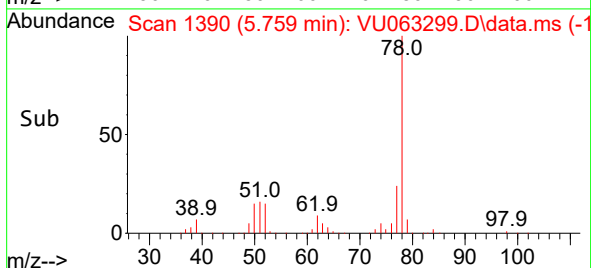
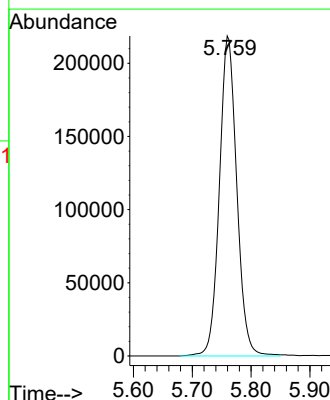
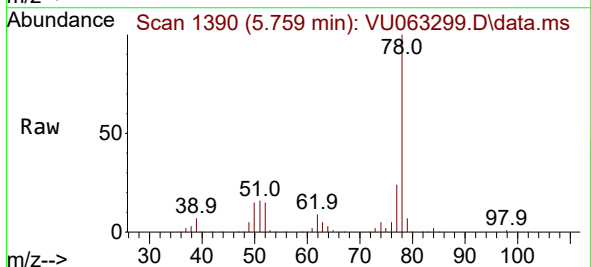
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

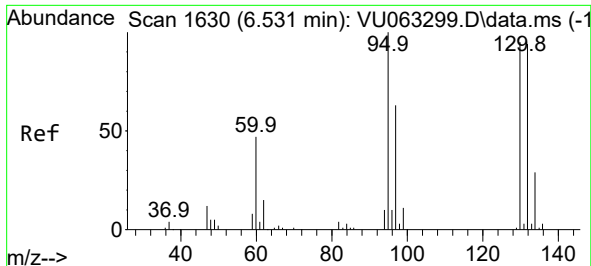
Tgt Ion:117 Resp: 138561
Ion Ratio Lower Upper
117 100
119 96.0 76.3 114.5



#33
Benzene
Concen: 52.26 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion: 78 Resp: 448684

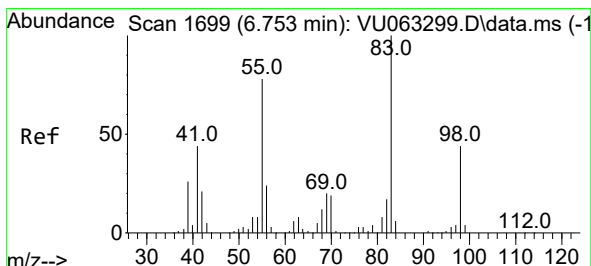
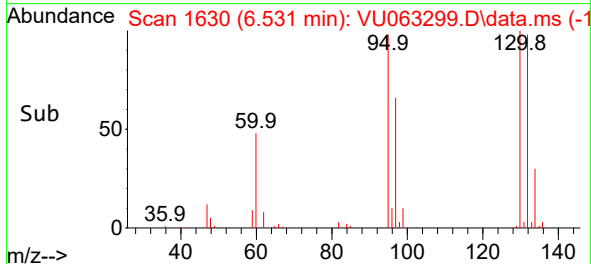
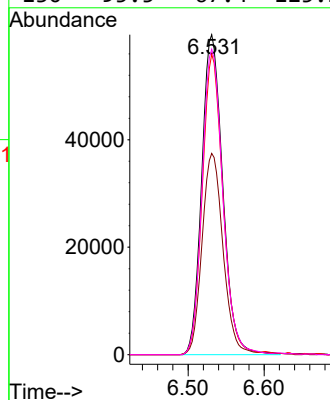
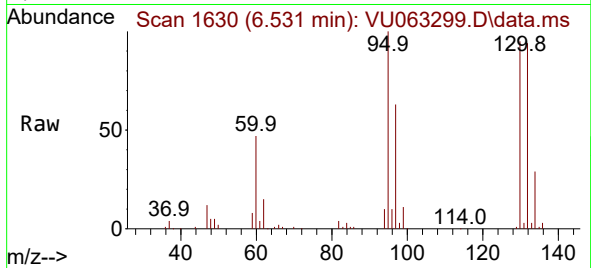




#34
Trichloroethene
Concen: 52.38 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

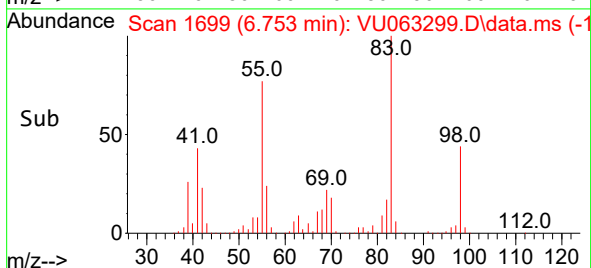
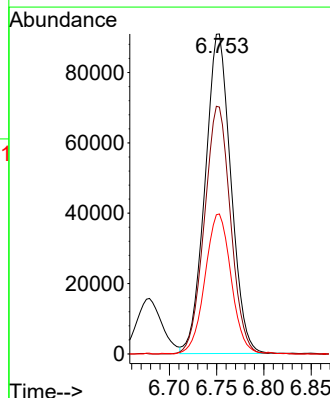
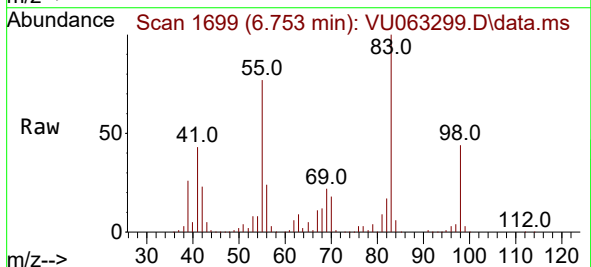
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

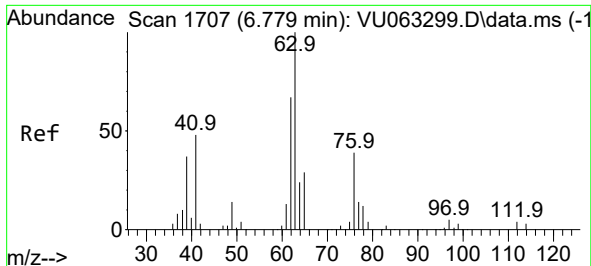
Tgt Ion: 95 Resp: 114586
Ion Ratio Lower Upper
95 100
97 62.9 44.6 82.8
132 93.9 65.3 121.3
130 95.5 67.4 125.2



#35
Methylcyclohexane
Concen: 55.29 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion: 83 Resp: 172684
Ion Ratio Lower Upper
83 100
55 78.5 63.4 95.2
98 44.3 35.2 52.8





#37

1,2-Dichloropropane

Concen: 51.21 ug/L

RT: 6.779 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

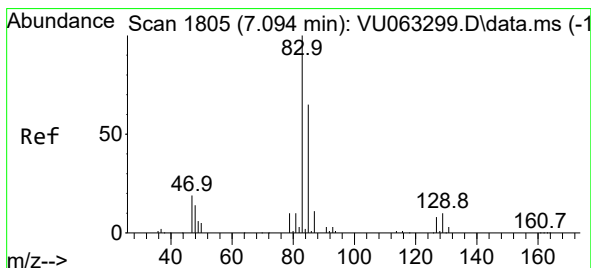
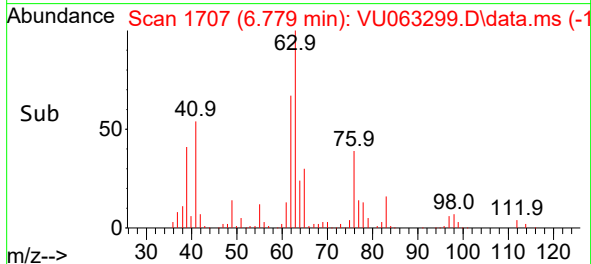
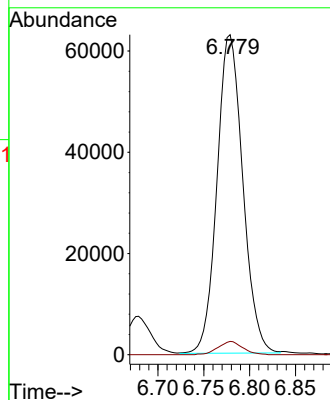
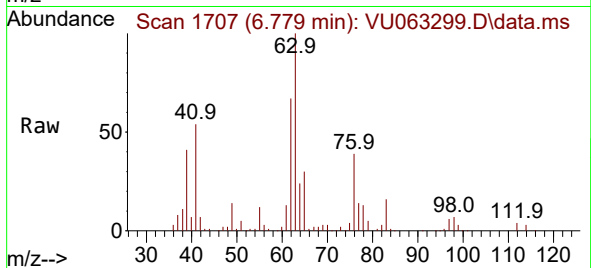
VSTD050104

Tgt Ion: 63 Resp: 123233

Ion Ratio Lower Upper

63 100

112 3.9 2.9 4.3



#38

Bromodichloromethane

Concen: 51.17 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

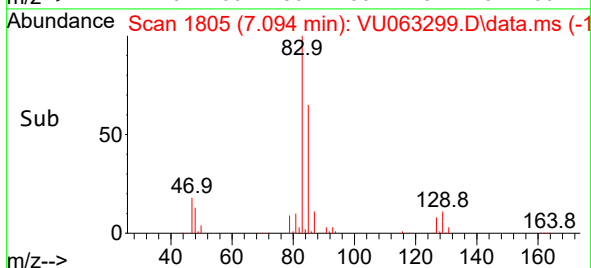
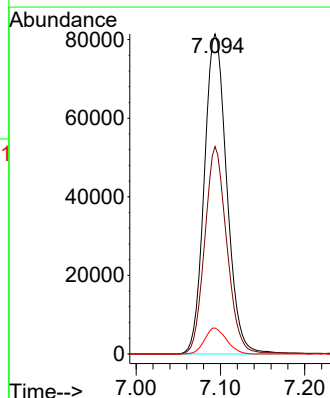
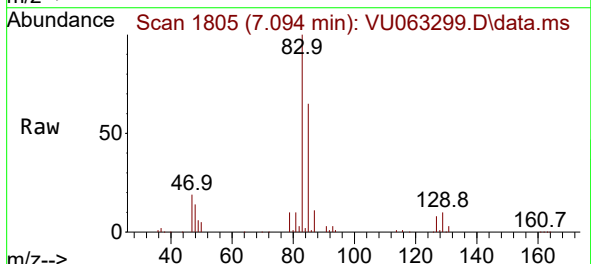
Tgt Ion: 83 Resp: 151425

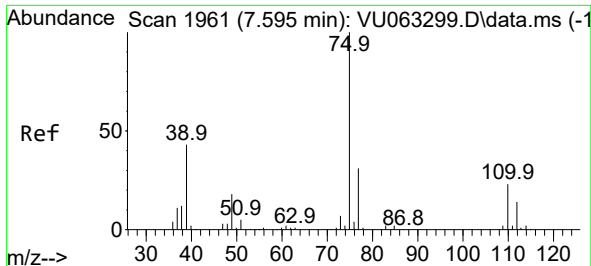
Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1

127 8.1 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 51.16 ug/L

RT: 7.595 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

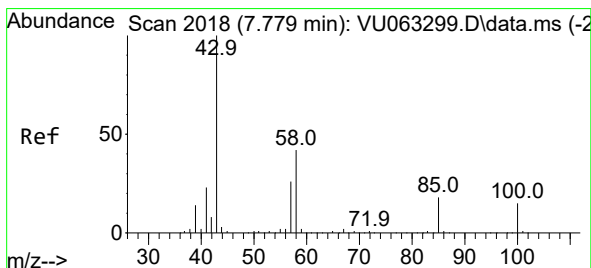
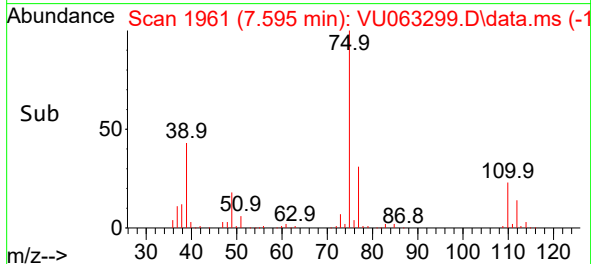
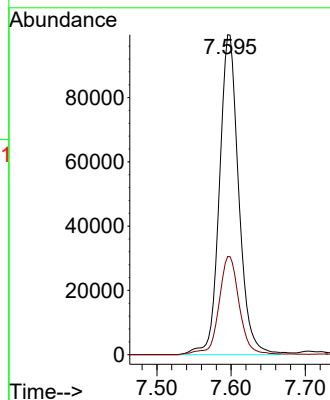
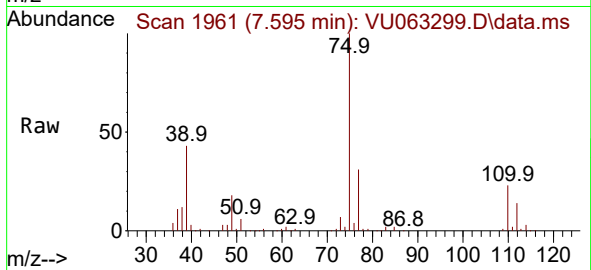
VSTD050104

Tgt Ion: 75 Resp: 180332

Ion Ratio Lower Upper

75 100

77 30.7 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 106.72 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

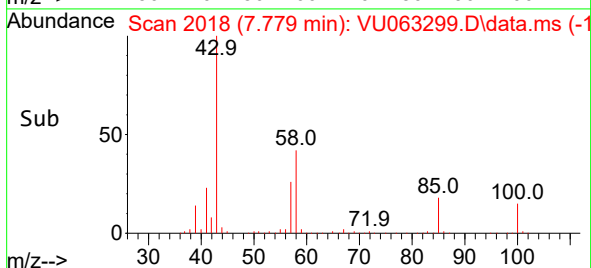
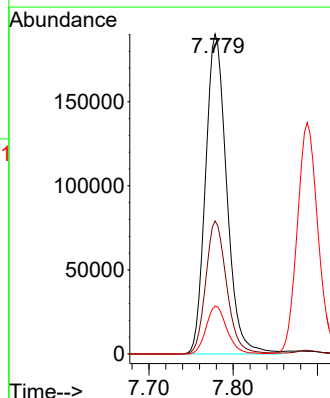
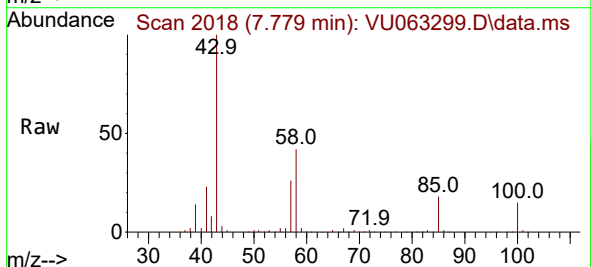
Tgt Ion: 43 Resp: 333962

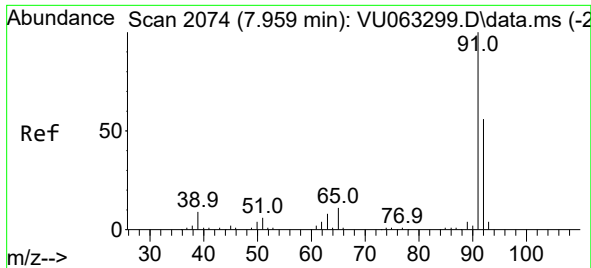
Ion Ratio Lower Upper

43 100

58 41.0 33.0 49.6

100 14.7 11.9 17.9





#42

Toluene

Concen: 53.88 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

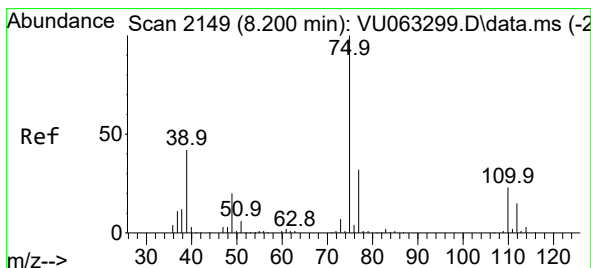
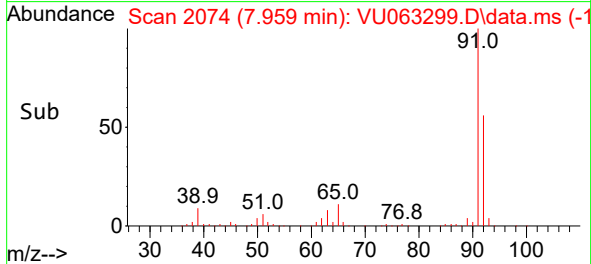
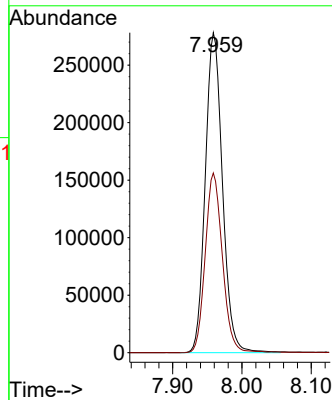
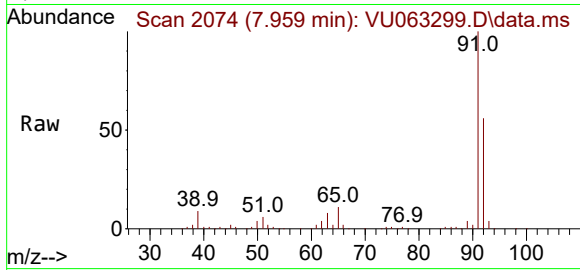
VSTD050104

Tgt Ion: 91 Resp: 478544

Ion Ratio Lower Upper

91 100

92 56.2 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 52.31 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063299.D

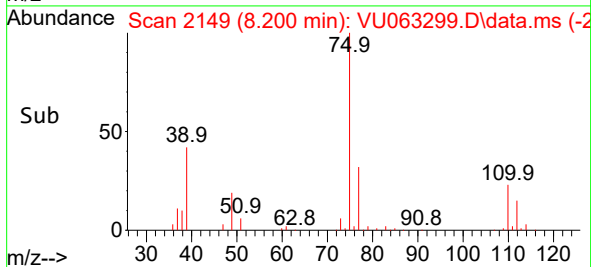
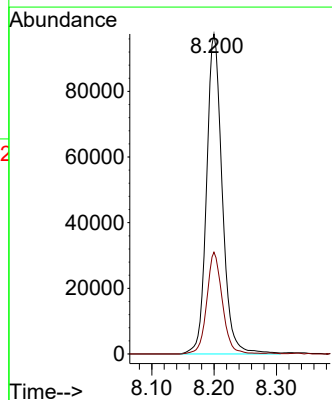
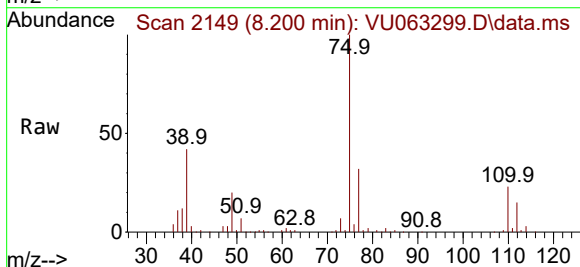
Acq: 18 Mar 2025 11:10

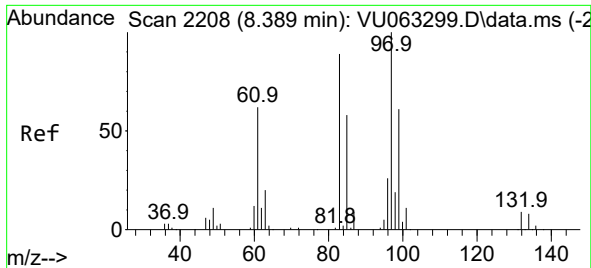
Tgt Ion: 75 Resp: 170395

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3

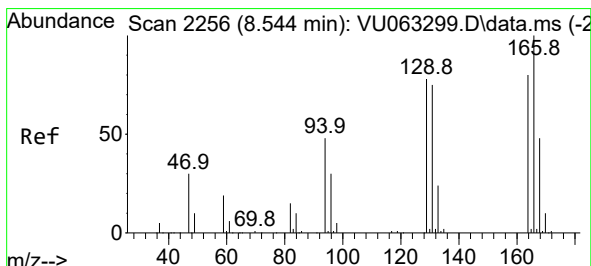
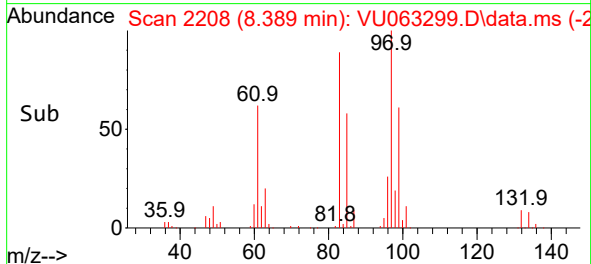
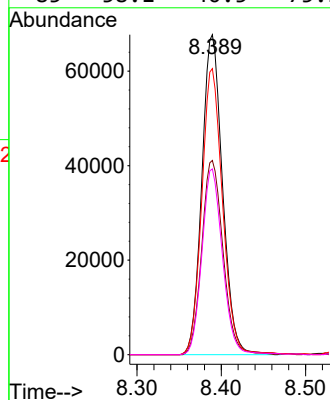
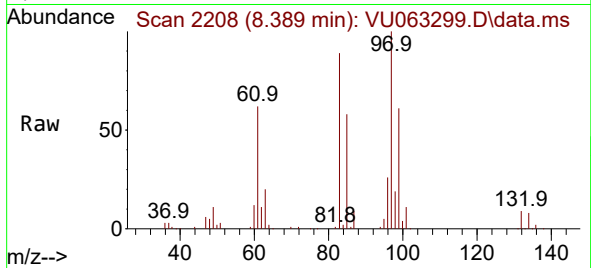




#45
1,1,2-Trichloroethane
Concen: 50.72 ug/L
RT: 8.389 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

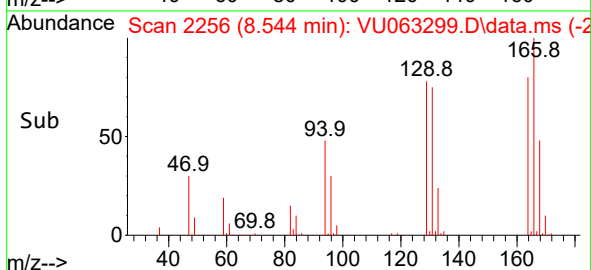
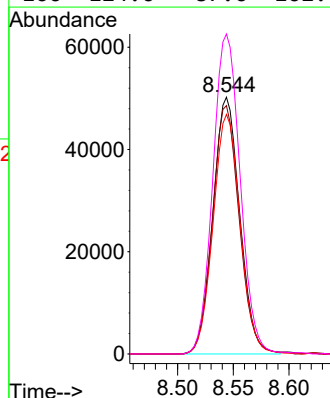
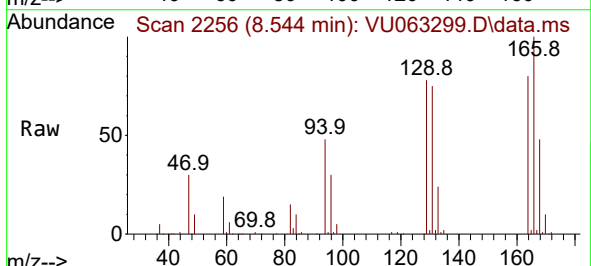
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

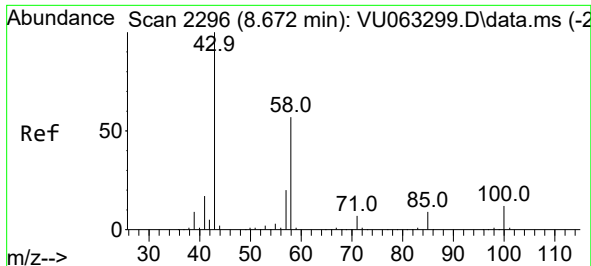
Tgt Ion:	97	Resp:	115878
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.4	82.4
83	89.4	63.3	117.5
85	58.1	40.5	75.1



#46
Tetrachloroethene
Concen: 54.55 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion:	164	Resp:	84233
Ion	Ratio	Lower	Upper
164	100		
129	96.7	67.8	125.8
131	93.3	64.3	119.5
166	124.6	87.6	162.6

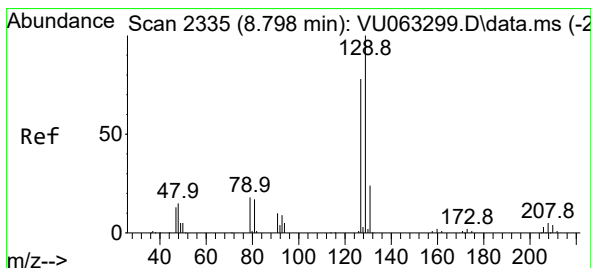
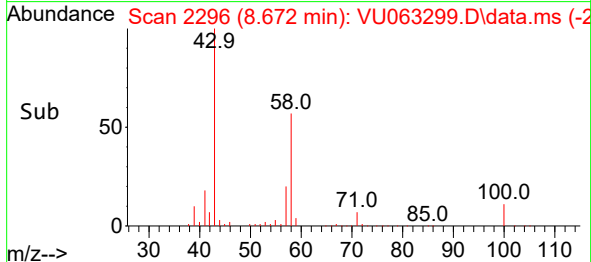
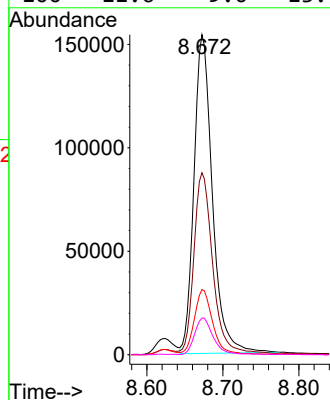
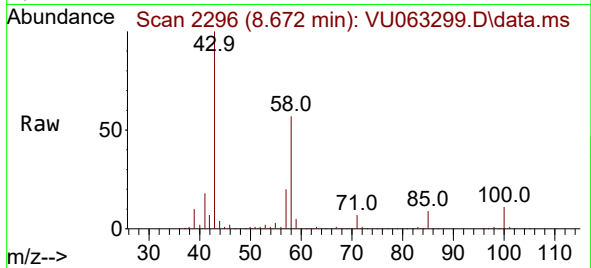




#48
2-Hexanone
Concen: 108.90 ug/L
RT: 8.672 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

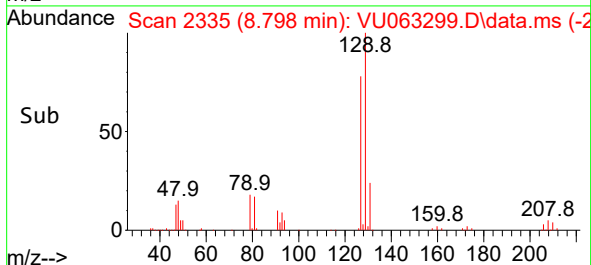
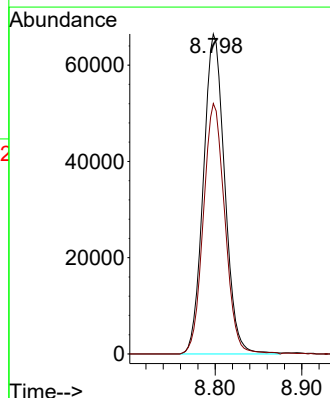
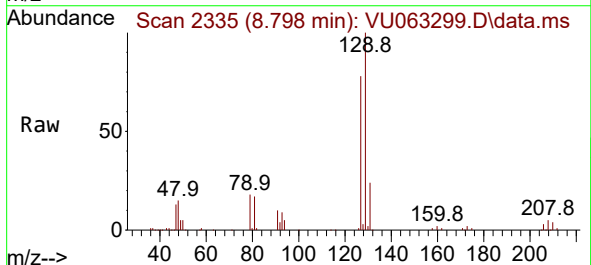
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

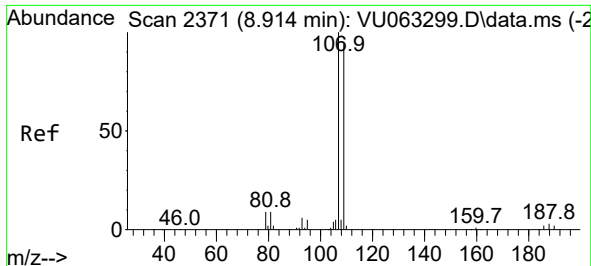
Tgt Ion:	43	Resp:	259812
Ion	Ratio	Lower	Upper
43	100		
58	55.8	46.6	69.8
57	19.9	15.8	23.6
100	11.6	9.0	13.4



#49
Dibromochloromethane
Concen: 51.40 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion:	129	Resp:	113917
Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.0	100.4





#50

1,2-Dibromoethane

Concen: 51.61 ug/L

RT: 8.914 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

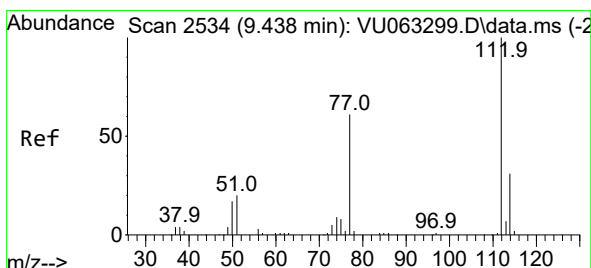
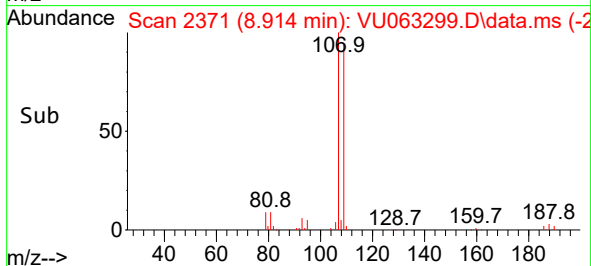
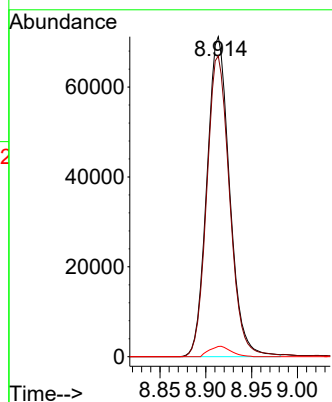
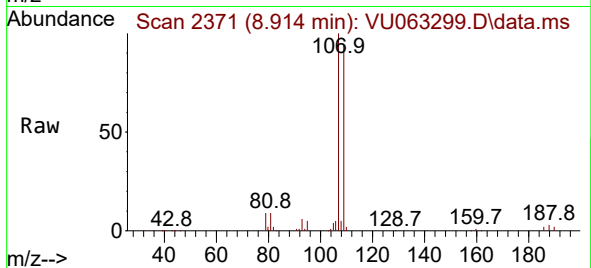
Tgt Ion:107 Resp: 123140

Ion Ratio Lower Upper

107 100

109 93.9 65.2 121.0

188 3.2 2.5 3.7



#51

Chlorobenzene

Concen: 52.24 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

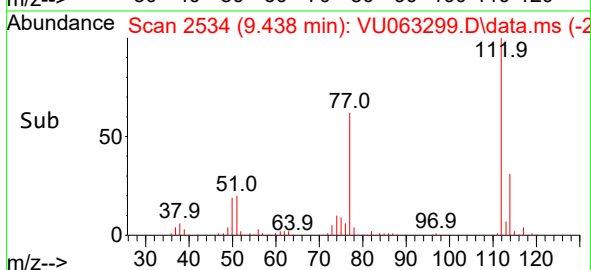
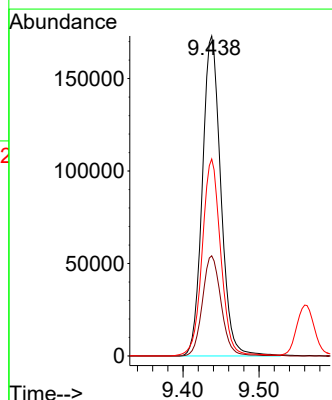
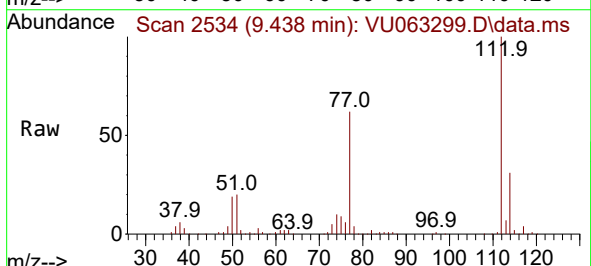
Tgt Ion:112 Resp: 292115

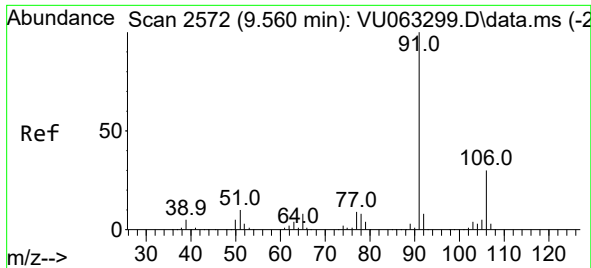
Ion Ratio Lower Upper

112 100

114 31.3 22.3 41.5

77 61.6 48.7 73.1

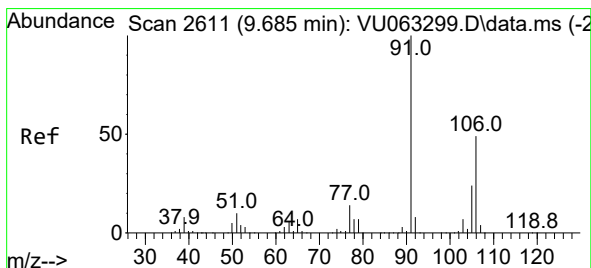
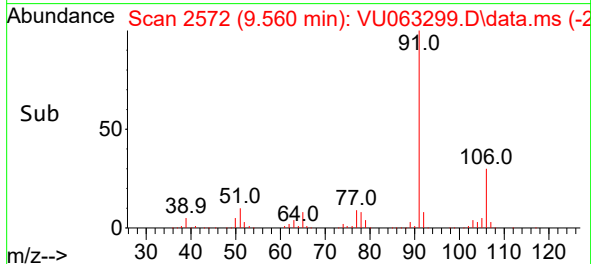
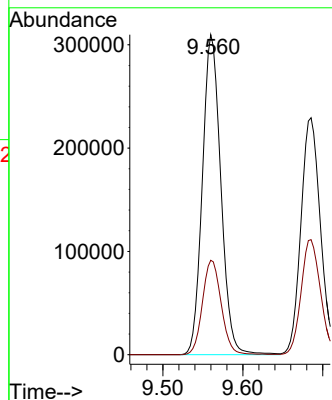
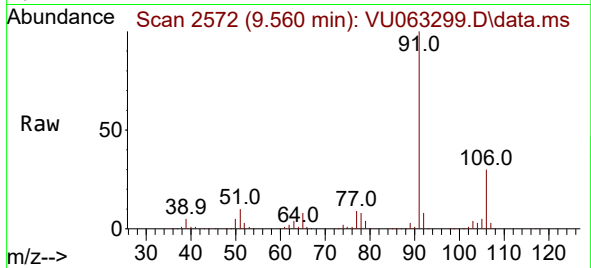




#52
Ethylbenzene
Concen: 53.68 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

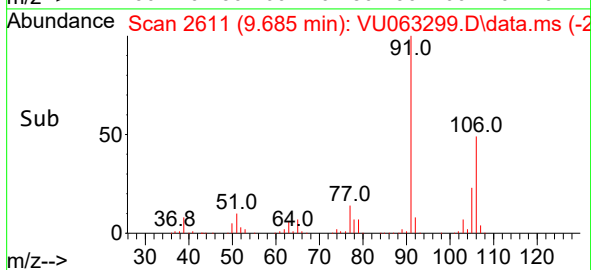
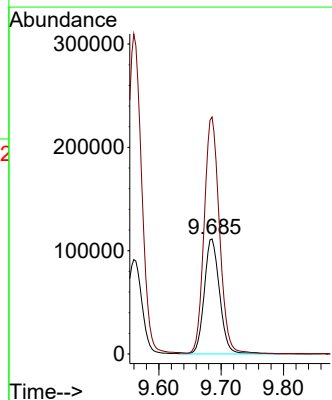
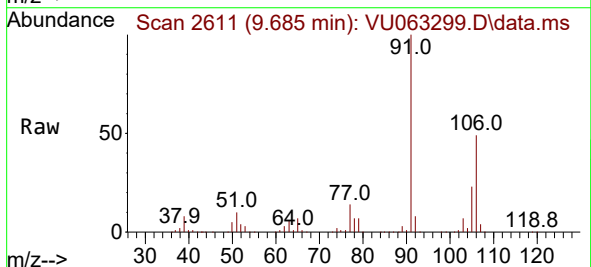
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

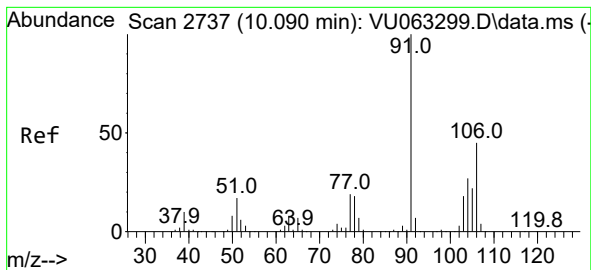
Tgt Ion: 91 Resp: 498936
Ion Ratio Lower Upper
91 100
106 29.5 21.5 39.9



#53
m,p-Xylene
Concen: 55.49 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion: 106 Resp: 190548
Ion Ratio Lower Upper
106 100
91 205.9 147.3 273.6





#54

o-Xylene

Concen: 54.24 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

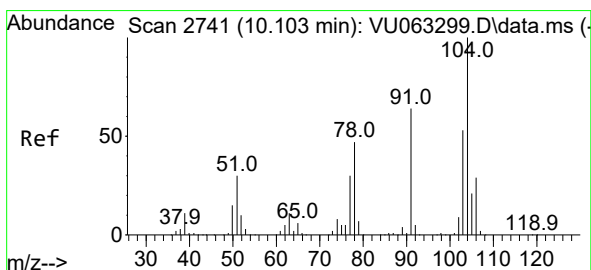
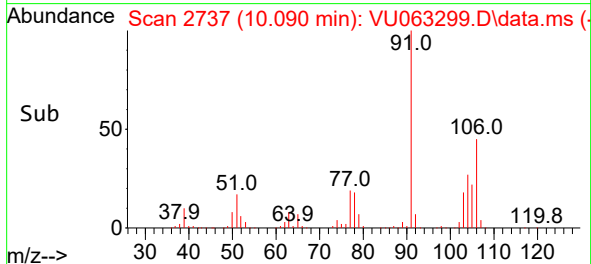
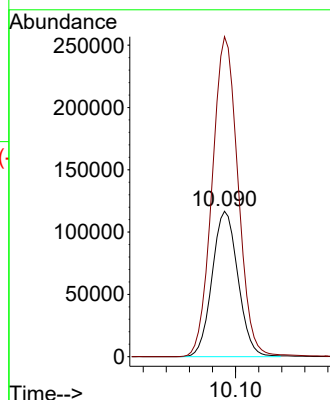
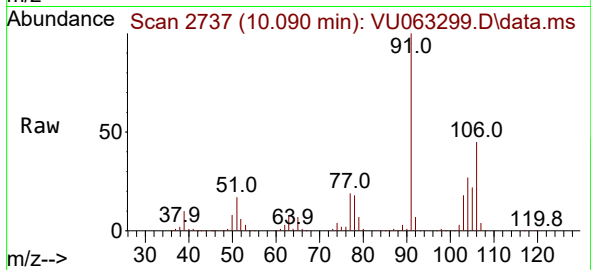
VSTD050104

Tgt Ion:106 Resp: 181546

Ion Ratio Lower Upper

106 100

91 220.0 156.7 291.1



#55

Styrene

Concen: 56.77 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. 0.000 min

Lab File: VU063299.D

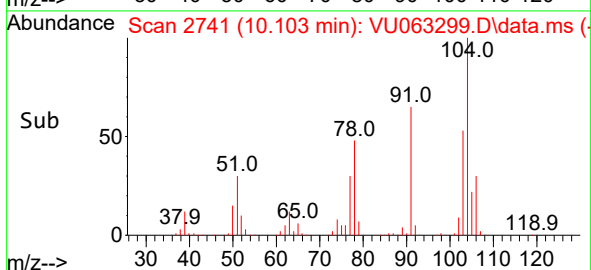
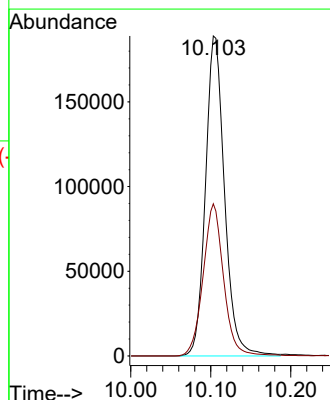
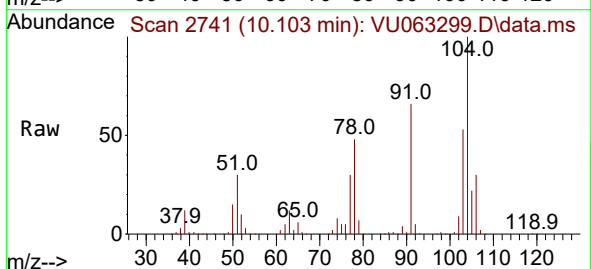
Acq: 18 Mar 2025 11:10

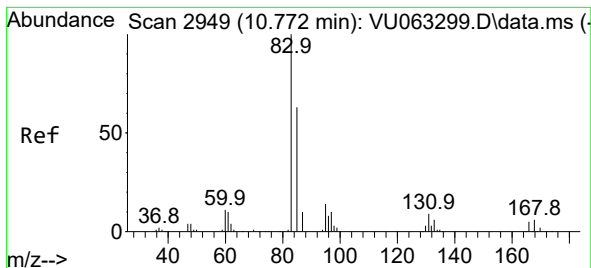
Tgt Ion:104 Resp: 313697

Ion Ratio Lower Upper

104 100

78 47.5 32.4 60.2





#57

1,1,2,2-Tetrachloroethane

Concen: 51.63 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

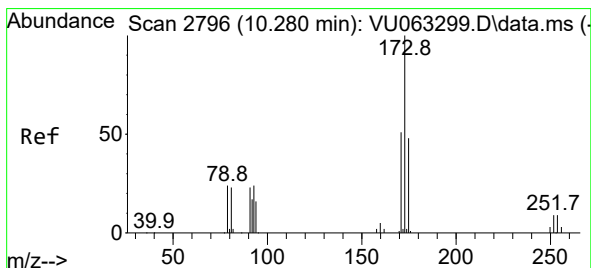
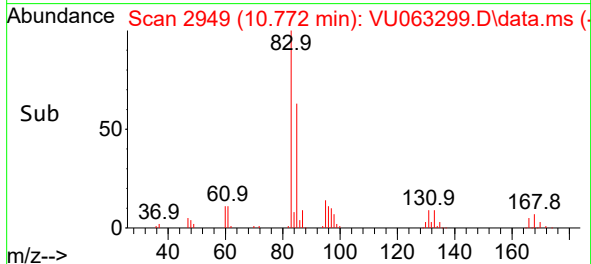
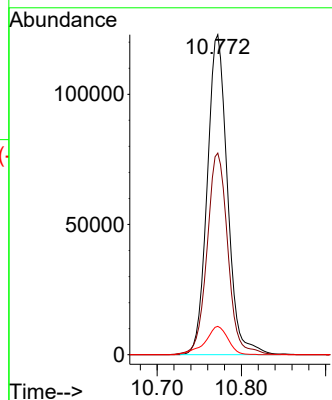
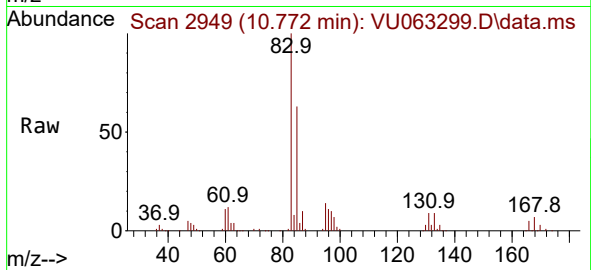
Tgt Ion: 83 Resp: 205096

Ion Ratio Lower Upper

83 100

85 63.0 45.6 84.8

131 8.8 7.1 10.7



#59

Bromoform

Concen: 50.39 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

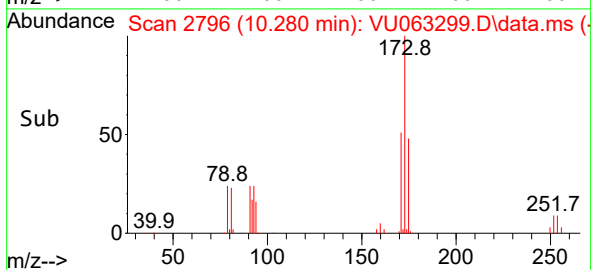
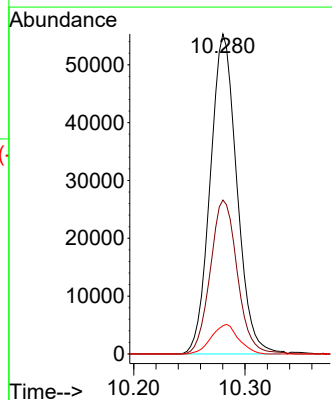
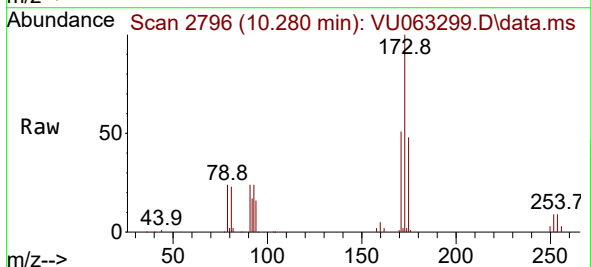
Tgt Ion: 173 Resp: 91860

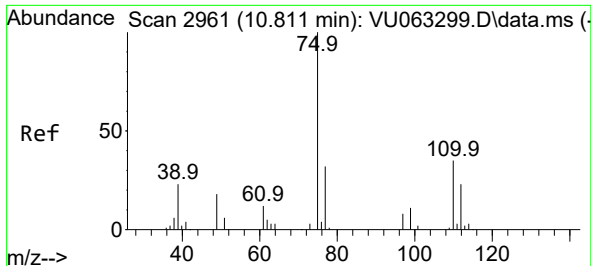
Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

254 9.4 7.8 11.6

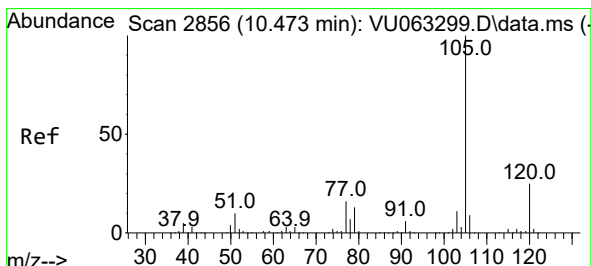
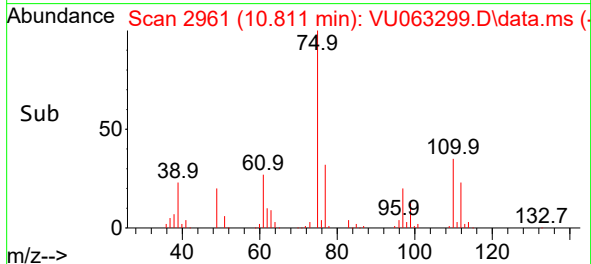
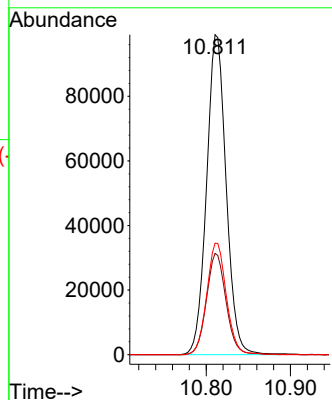
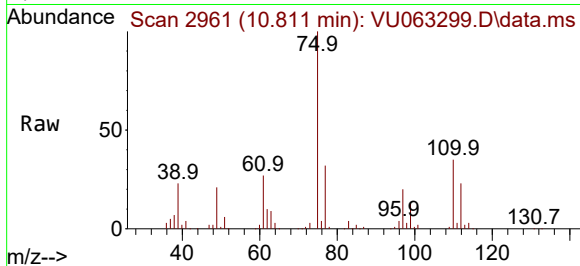




#60
1,2,3-Trichloropropane
Concen: 49.98 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

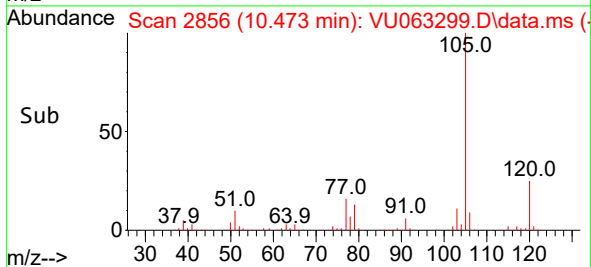
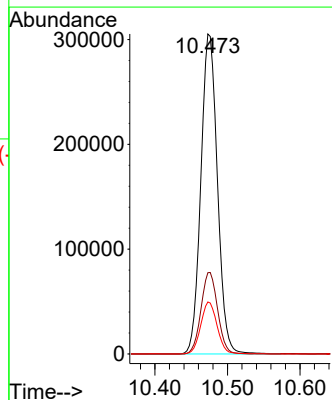
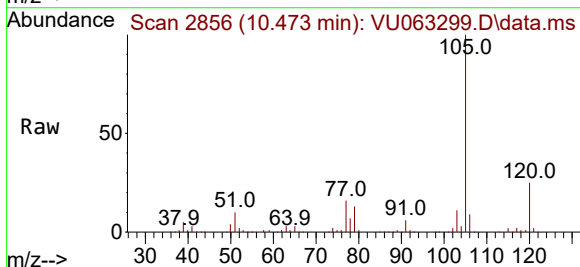
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

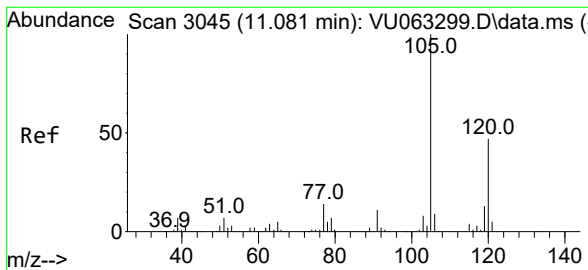
Tgt Ion: 75 Resp: 160323
Ion Ratio Lower Upper
75 100
77 31.7 25.9 38.9
110 34.9 27.8 41.8



#61
Isopropylbenzene
Concen: 53.43 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion: 105 Resp: 484358
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0
77 16.1 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 54.08 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

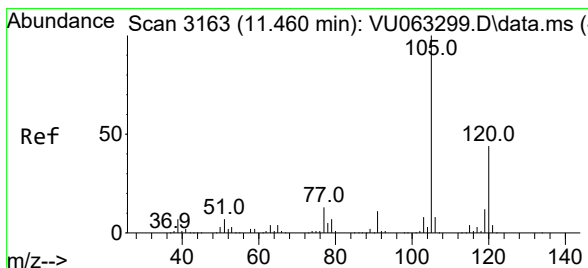
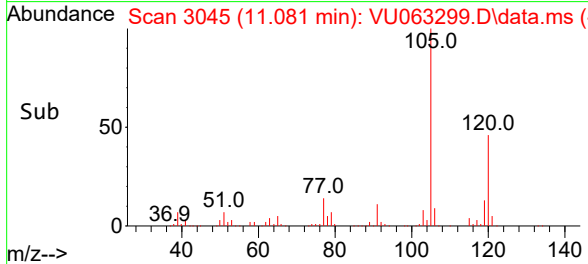
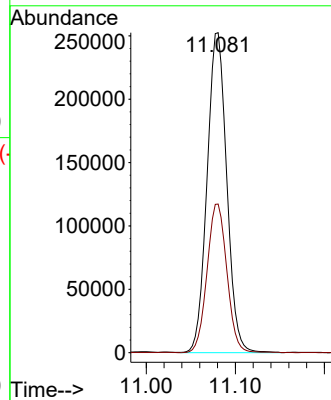
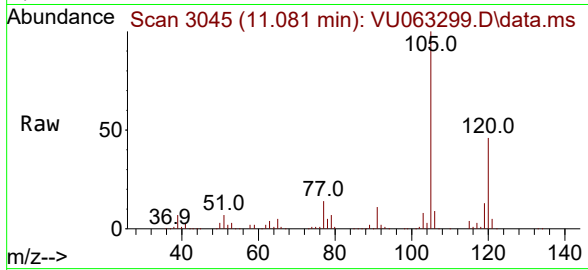
VSTD050104

Tgt Ion:105 Resp: 386855

Ion Ratio Lower Upper

105 100

120 46.9 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 55.10 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063299.D

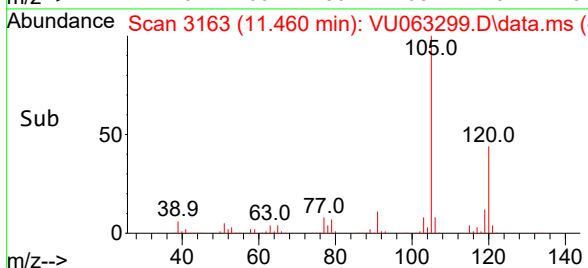
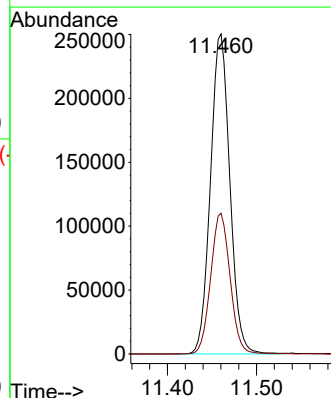
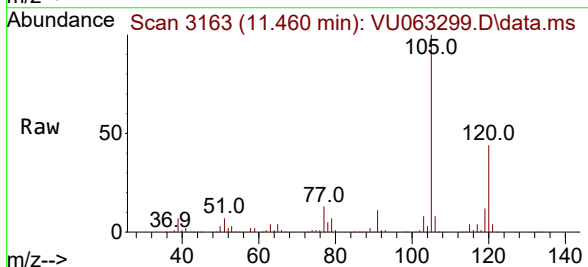
Acq: 18 Mar 2025 11:10

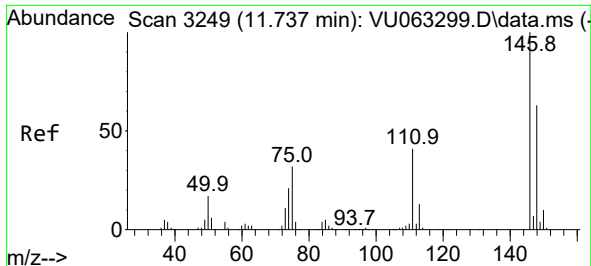
Tgt Ion:105 Resp: 377972

Ion Ratio Lower Upper

105 100

120 43.8 35.4 53.2

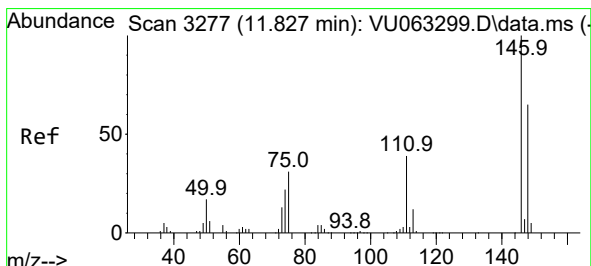
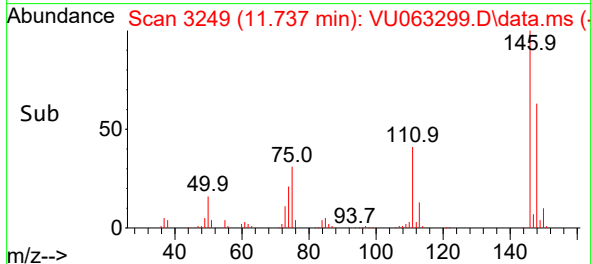
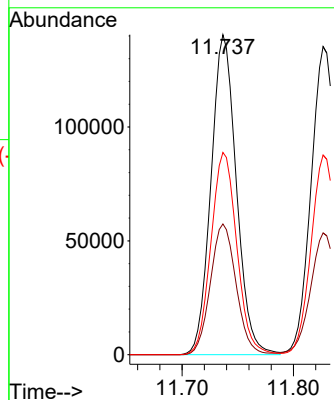
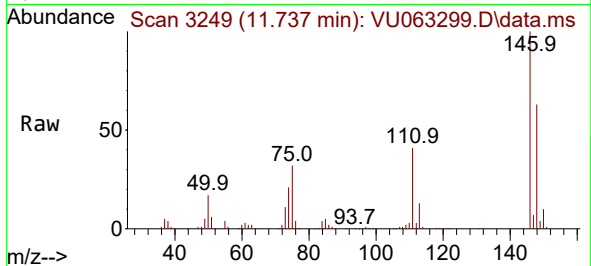




#64
1,3-Dichlorobenzene
Concen: 52.02 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

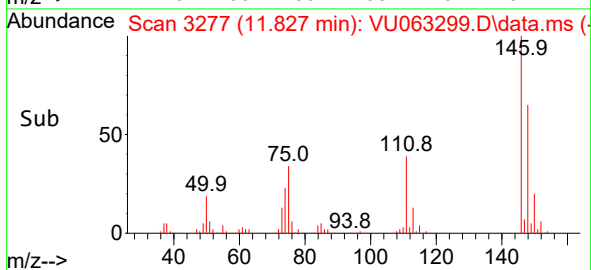
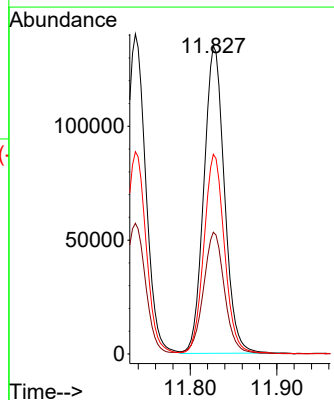
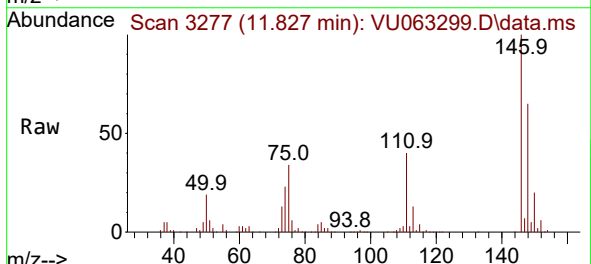
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

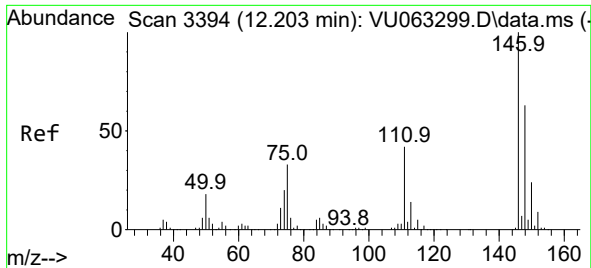
Tgt Ion:146 Resp: 222556
Ion Ratio Lower Upper
146 100
111 40.9 29.2 54.2
148 63.2 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 51.25 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion:146 Resp: 222748
Ion Ratio Lower Upper
146 100
111 39.5 27.5 51.1
148 64.8 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 50.92 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

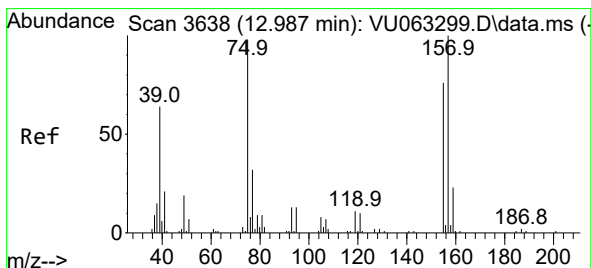
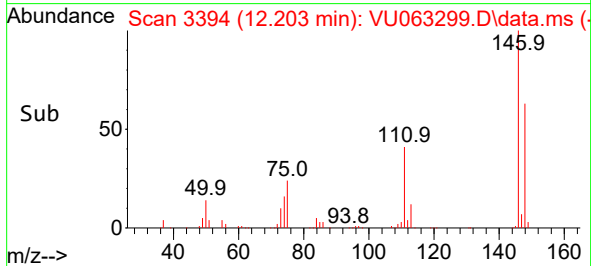
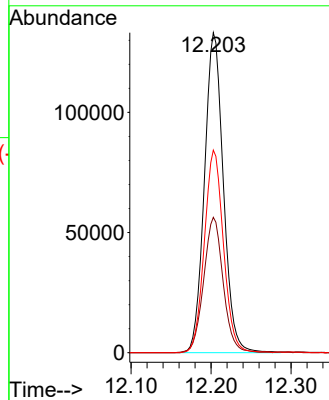
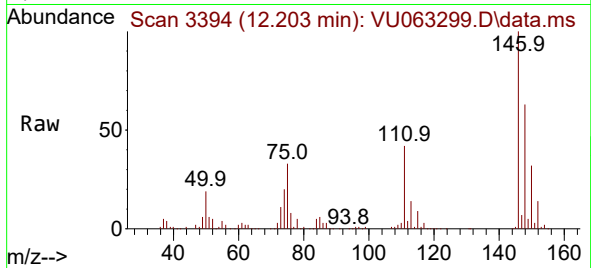
Tgt Ion:146 Resp: 219667

Ion Ratio Lower Upper

146 100

111 42.3 34.7 52.1

148 63.3 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 49.84 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

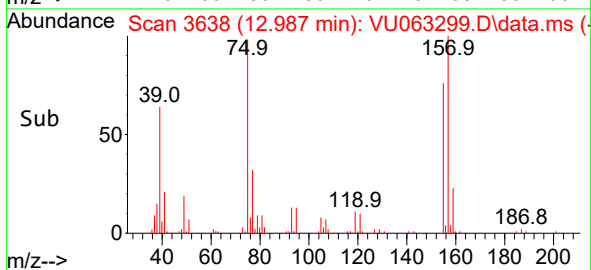
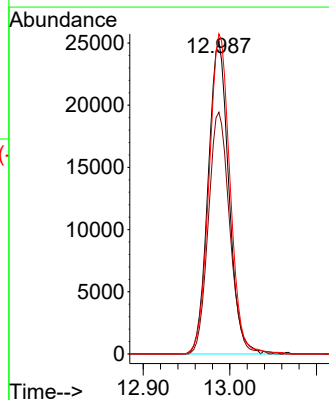
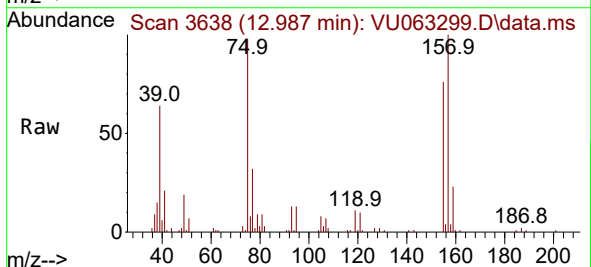
Tgt Ion: 75 Resp: 41706

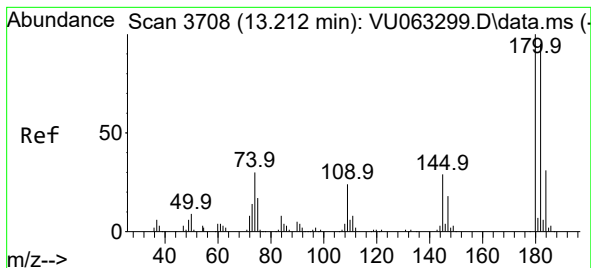
Ion Ratio Lower Upper

75 100

155 81.4 68.4 102.6

157 102.3 84.2 126.4





#69

1,3,5-Trichlorobenzene

Concen: 52.66 ug/L

RT: 13.212 min Scan# 3708

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

Tgt Ion:180 Resp: 151612

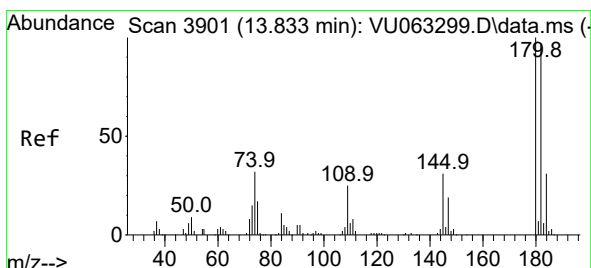
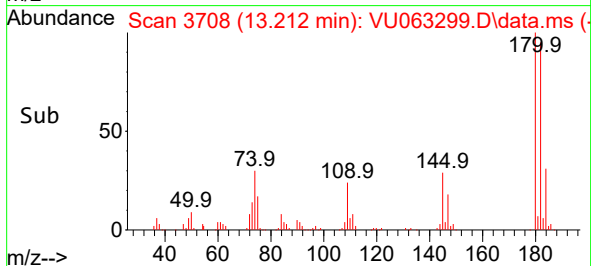
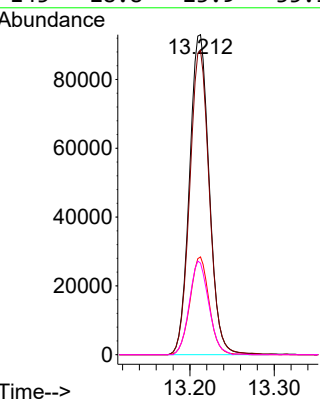
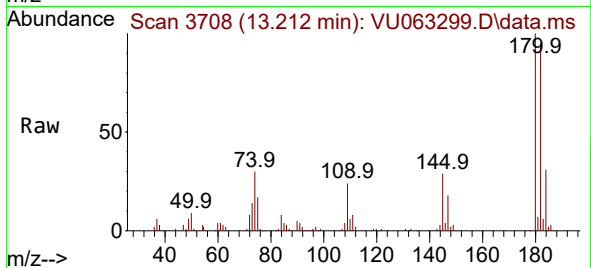
Ion Ratio Lower Upper

180 100

182 94.7 77.2 115.8

184 29.7 24.3 36.5

145 28.8 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 51.06 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063299.D

Acq: 18 Mar 2025 11:10

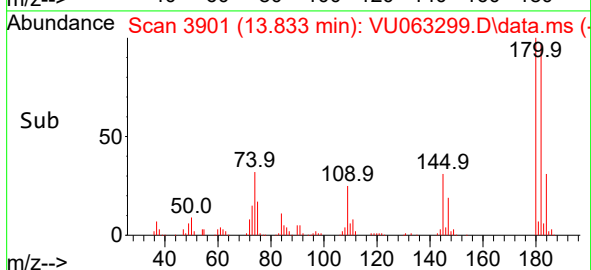
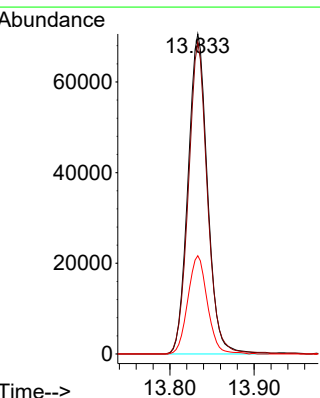
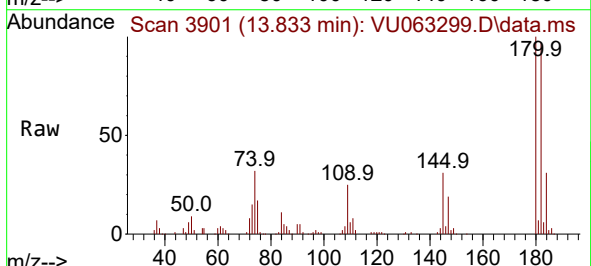
Tgt Ion:180 Resp: 113652

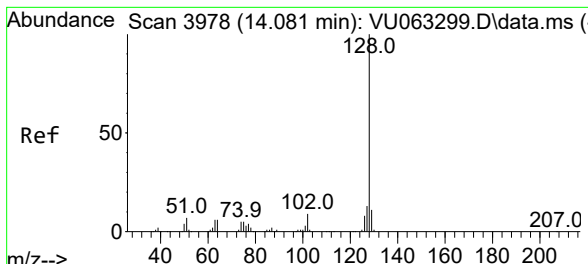
Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.8

145 30.8 24.0 36.0

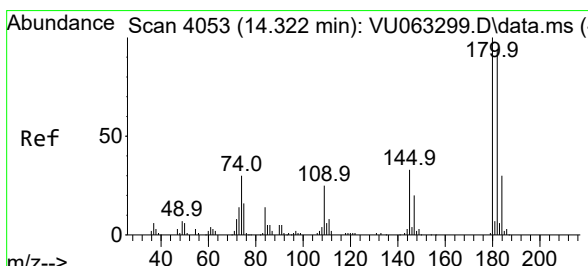
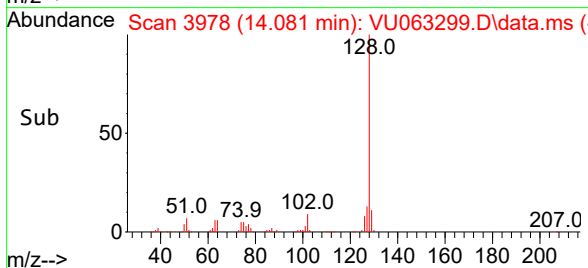
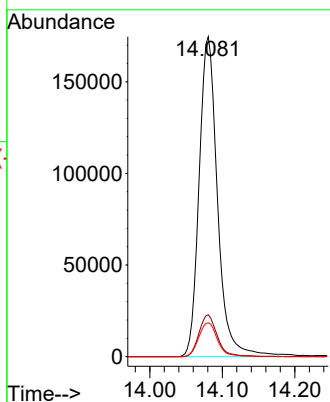
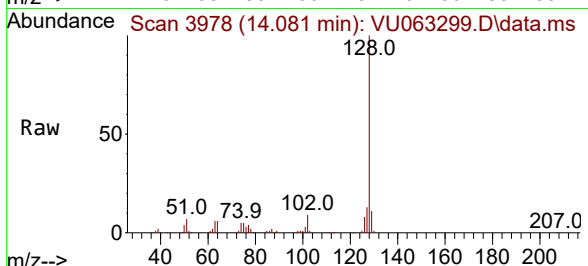




#71
Naphthalene
Concen: 50.29 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

Tgt Ion:	128	Resp:	308000
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 52.65 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063299.D
Acq: 18 Mar 2025 11:10

Tgt Ion:	180	Resp:	114520
Ion Ratio	Lower	Upper	
180	100		
182	92.5	77.3	115.9
145	32.3	25.7	38.5

