

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063294.D
 Acq On : 17 Mar 2025 14:55
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050102

Quant Time: Mar 21 09:20:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 09:04:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	301354	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	290360	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	143520	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.592	65	118017	46.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.78%
7) Chloroethane-d5	1.895	69	97926	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.66%
11) 1,1-Dichloroethene-d2	2.554	63	208247	47.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.44%
21) 2-Butanone-d5	4.608	46	170464	93.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.80%
24) Chloroform-d	5.049	84	219008	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	5.689	65	136828	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.28%
32) Benzene-d6	5.714	84	439632	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
36) 1,2-Dichloropropane-d6	6.679	67	141823	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.72%
41) Toluene-d8	7.888	98	400598	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%
43) trans-1,3-Dichloroprop...	8.171	79	65385	49.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.64%
47) 2-Hexanone-d5	8.621	63	110541	98.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.33%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	209484	47.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.14%
66) 1,2-Dichlorobenzene-d4	12.184	152	143107	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.380	85	123825	49.06	ug/L	100
3) Chloromethane	1.518	50	138338	48.86	ug/L	100
5) Vinyl chloride	1.599	62	142813	49.51	ug/L	99
6) Bromomethane	1.833	94	79748	49.22	ug/L	100
8) Chloroethane	1.917	64	85593	48.58	ug/L	99
9) Trichlorofluoromethane	2.126	101	164216	49.28	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	100256	49.21	ug/L	99
12) 1,1-Dichloroethene	2.567	96	98503	50.48	ug/L	96
13) Acetone	2.615	43	116150	94.11	ug/L	100
14) Carbon disulfide	2.779	76	320315	51.52	ug/L	99
15) Methyl Acetate	2.936	43	130396	48.22	ug/L #	100
16) Methylene chloride	3.030	84	122471	51.14	ug/L	97
17) trans-1,2-Dichloroethene	3.338	96	106082	51.36	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	336741	51.02	ug/L	100
19) 1,1-Dichloroethane	3.853	63	208016	49.16	ug/L	97
20) cis-1,2-Dichloroethene	4.650	96	122555	51.70	ug/L	97
22) 2-Butanone	4.689	43	180613	100.82	ug/L	97
23) Bromochloromethane	4.959	128	62944	51.80	ug/L	99
25) Chloroform	5.074	83	213959	50.24	ug/L	97

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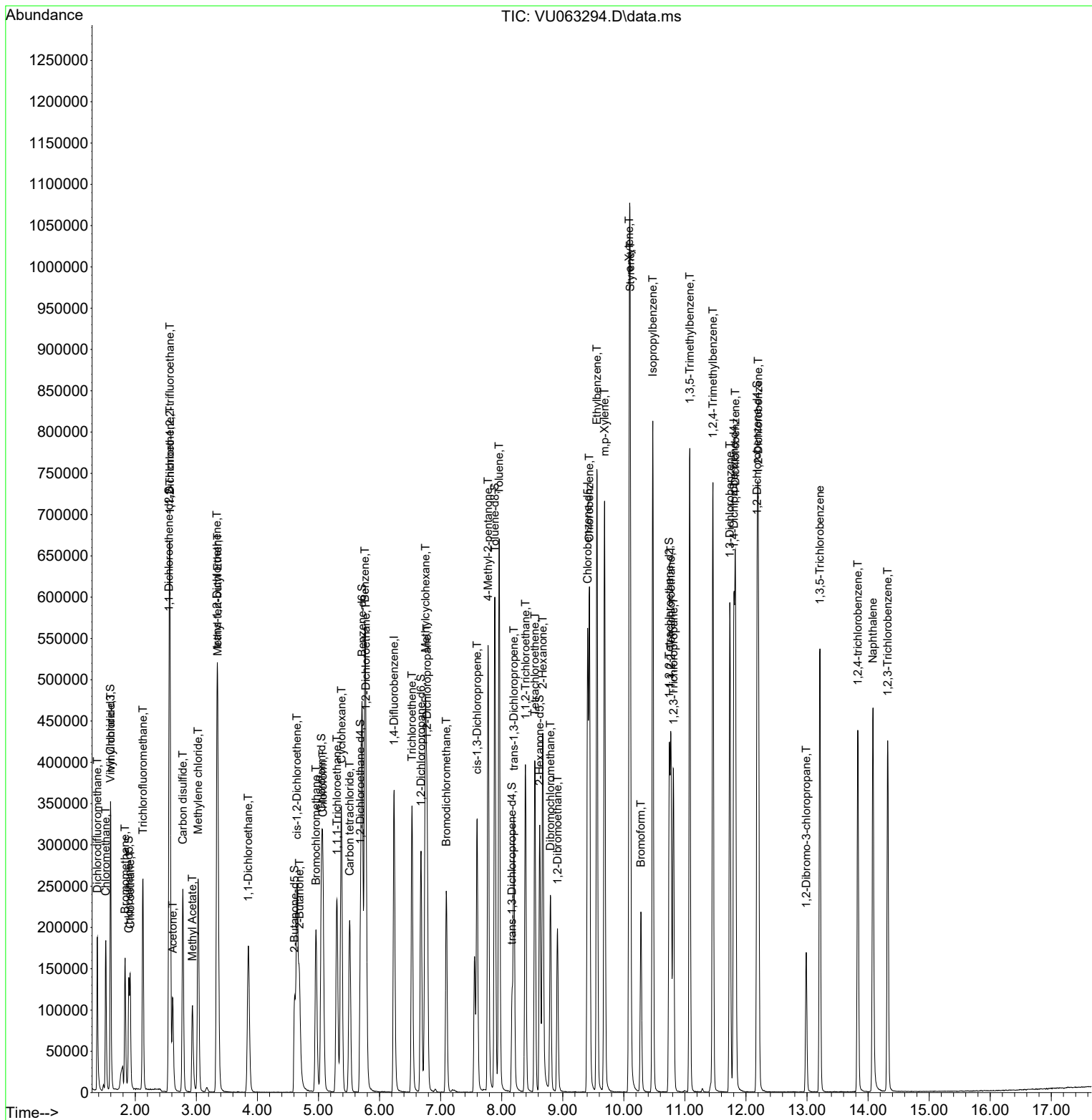
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 09:04:14 2025
 Response via : Initial Calibration

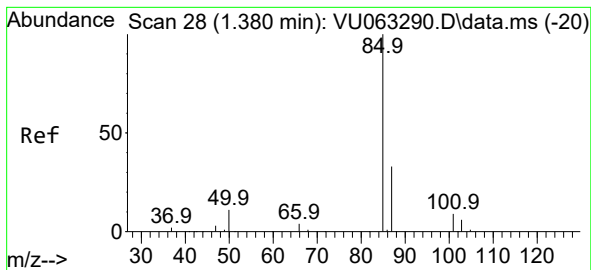
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	171580	51.30	ug/L	98
29) Cyclohexane	5.377	56	175385	51.99	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	168141	49.62	ug/L	100
31) Carbon tetrachloride	5.512	117	143473	50.84	ug/L	99
33) Benzene	5.759	78	472818	51.65	ug/L	100
34) Trichloroethene	6.531	95	121476	52.07	ug/L	98
35) Methylcyclohexane	6.753	83	178437	53.57	ug/L	98
37) 1,2-Dichloropropane	6.779	63	129201	50.35	ug/L	100
38) Bromodichloromethane	7.094	83	160217	50.77	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	199465	53.06	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	347330	104.08	ug/L	100
42) Toluene	7.959	91	503663	53.18	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	187409	53.95	ug/L	100
45) 1,1,2-Trichloroethane	8.389	97	123415	50.66	ug/L	99
46) Tetrachloroethene	8.544	164	87922	53.39	ug/L	98
48) 2-Hexanone	8.672	43	271519	106.72	ug/L	99
49) Dibromochloromethane	8.798	129	121408	51.37	ug/L	99
50) 1,2-Dibromoethane	8.914	107	132714	52.16	ug/L	99
51) Chlorobenzene	9.438	112	309453	51.89	ug/L	98
52) Ethylbenzene	9.560	91	531370	53.61	ug/L	99
53) m,p-Xylene	9.685	106	199764	54.56	ug/L	99
54) o-Xylene	10.090	106	191479	53.65	ug/L	97
55) Styrene	10.106	104	333889	56.66	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	216037	51.00	ug/L	97
59) Bromoform	10.280	173	97635	51.58	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	163807	49.18	ug/L	100
61) Isopropylbenzene	10.476	105	512746	54.47	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	416277	56.05	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	405632	56.95	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	240271	54.08	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	239828	53.14	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	235997	52.69	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	44055	50.70	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	164620	55.07	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	132848	57.48	ug/L	100
71) Naphthalene	14.081	128	399273	62.78	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	131738	58.32	ug/L	98

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

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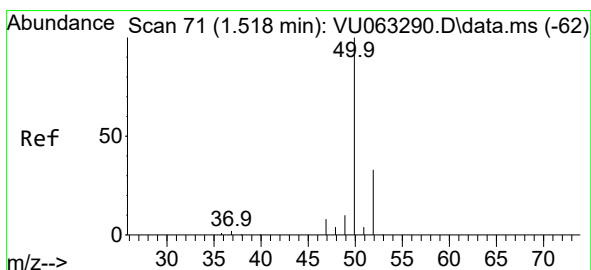
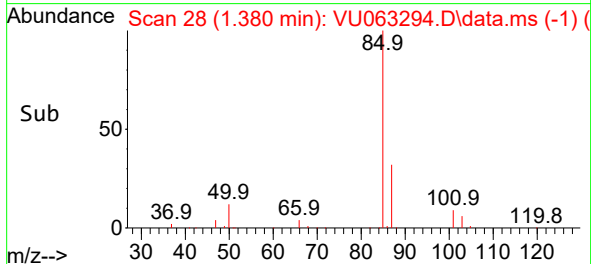
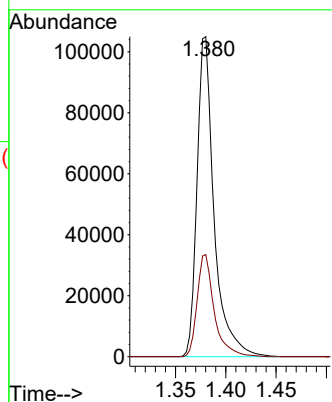
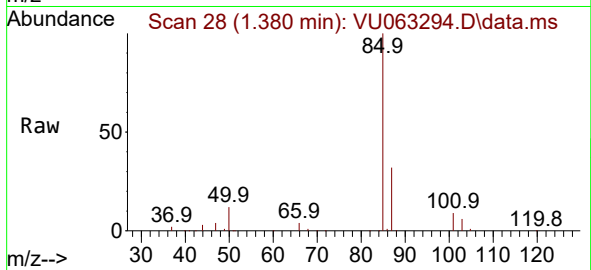




#2
 Dichlorodifluoromethane
 Concen: 49.06 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063294.D
 Acq: 17 Mar 2025 14:55

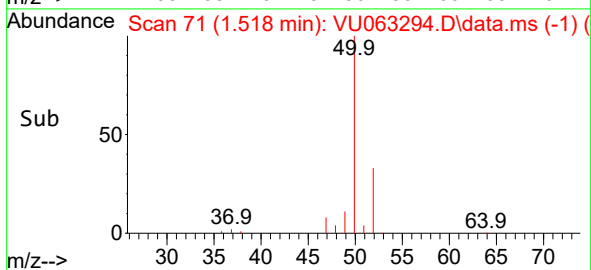
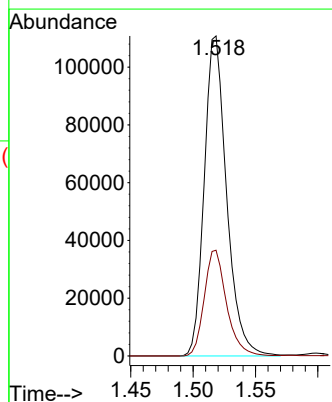
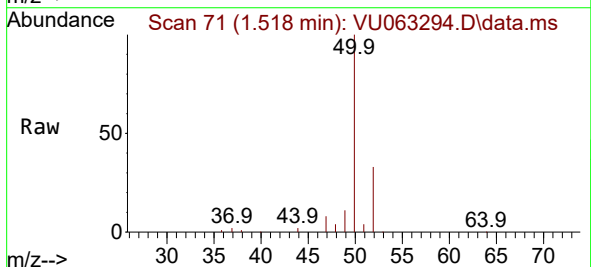
Instrument :
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 ClientSampleId :
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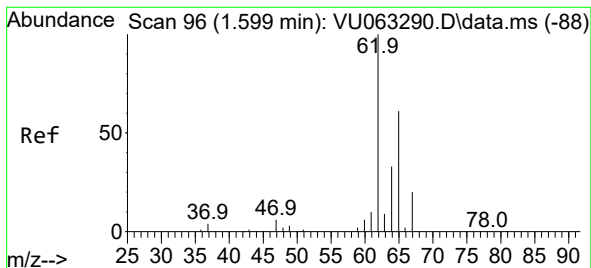
Tgt Ion: 85 Resp: 123825
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.8 38.6



#3
 Chloromethane
 Concen: 48.86 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU063294.D
 Acq: 17 Mar 2025 14:55

Tgt Ion: 50 Resp: 138338
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.2 43.0





#5

Vinyl chloride

Concen: 49.51 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

Instrument :

MSVOA_U

ClientSampleId :

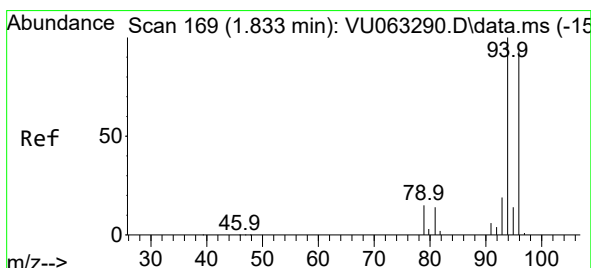
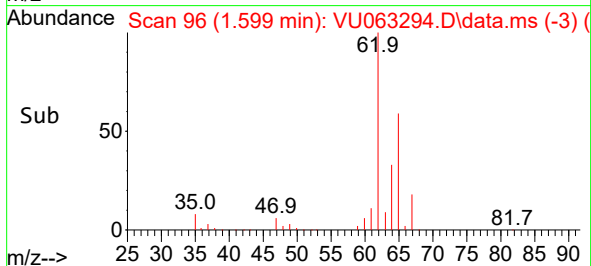
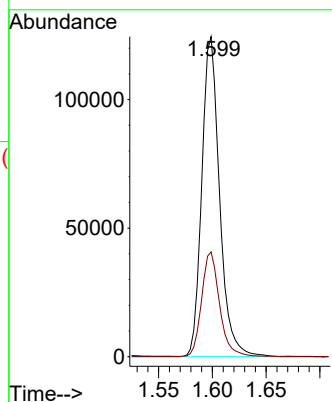
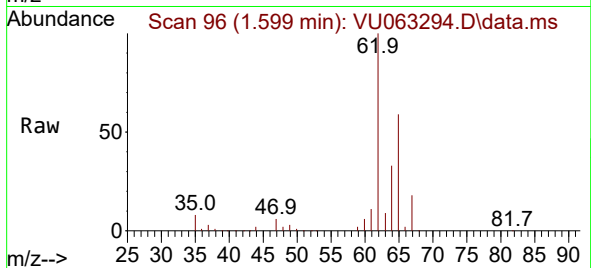
VSTD050102

Tgt Ion: 62 Resp: 142813

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.2



#6

Bromomethane

Concen: 49.22 ug/L

RT: 1.833 min Scan# 169

Delta R.T. 0.000 min

Lab File: VU063294.D

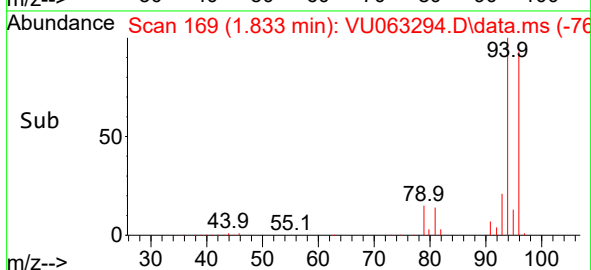
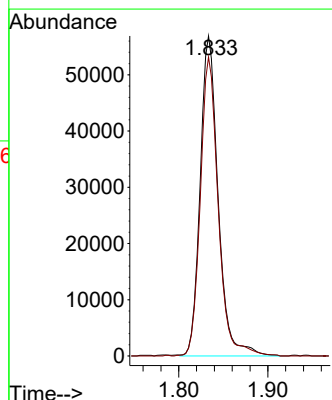
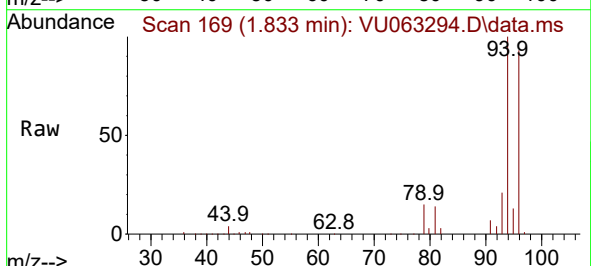
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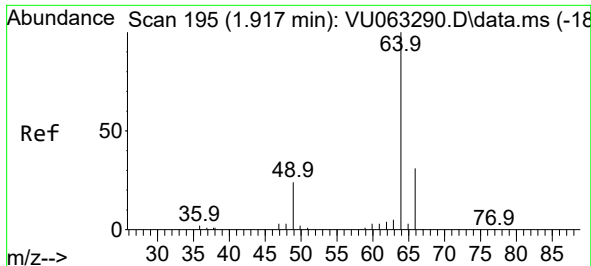
Tgt Ion: 94 Resp: 79748

Ion Ratio Lower Upper

94 100

96 93.4 65.2 121.2

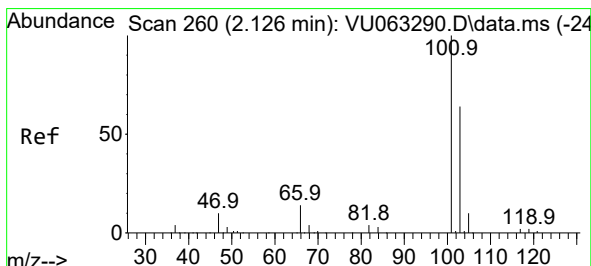
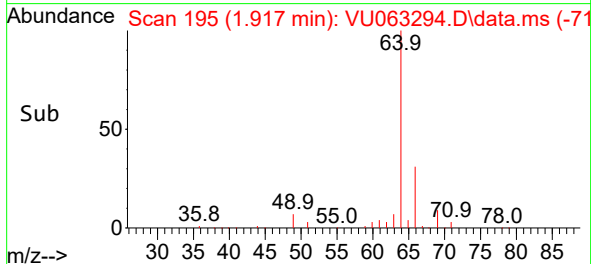
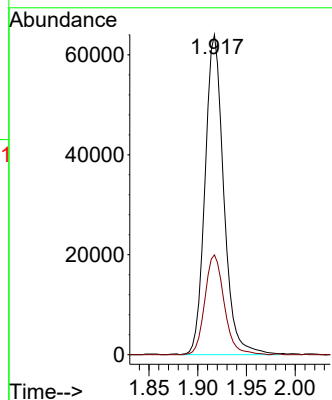
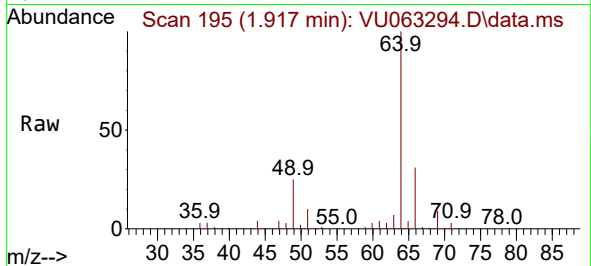




#8
Chloroethane
Concen: 48.58 ug/L
RT: 1.917 min Scan# 195
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

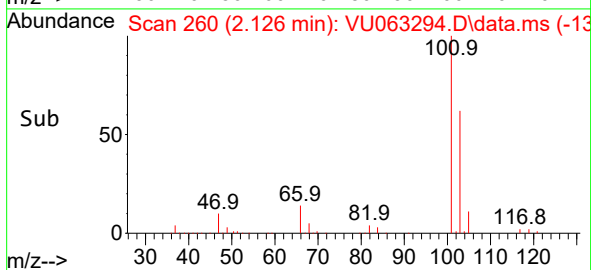
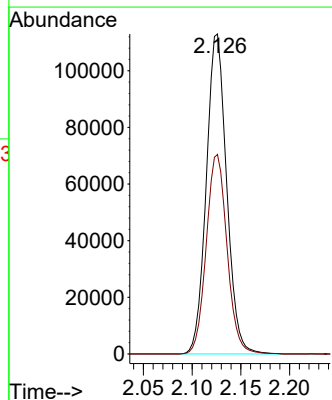
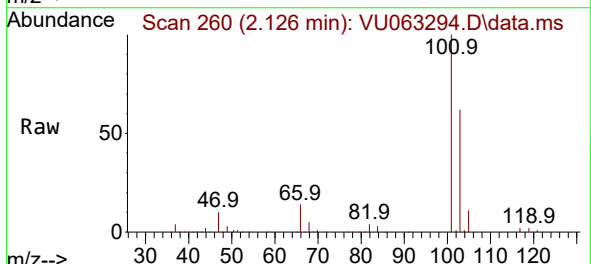
Instrument :
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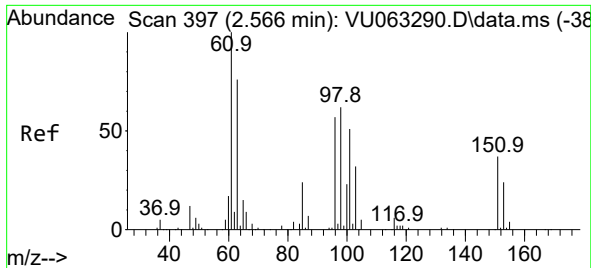
Tgt Ion: 64 Resp: 85593
Ion Ratio Lower Upper
64 100
66 31.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 49.28 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 101 Resp: 164216
Ion Ratio Lower Upper
101 100
103 63.7 51.2 76.8

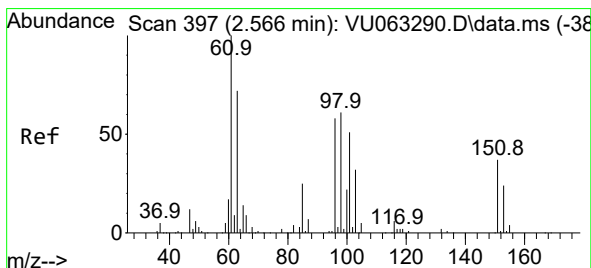
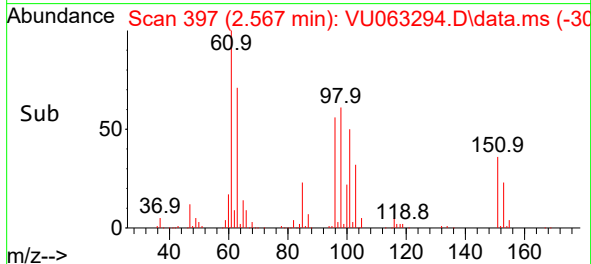
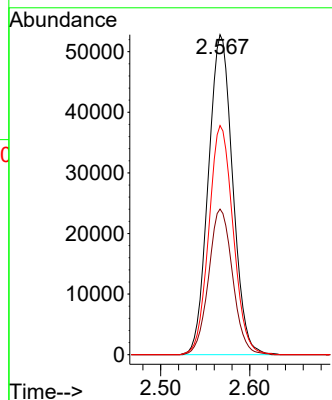
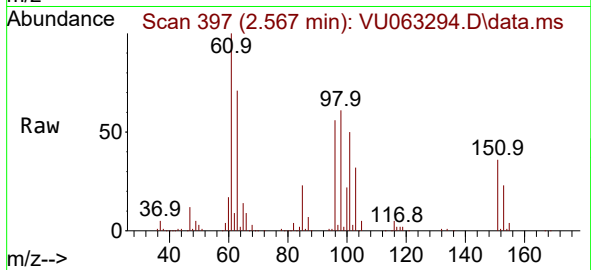




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.21 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.001 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

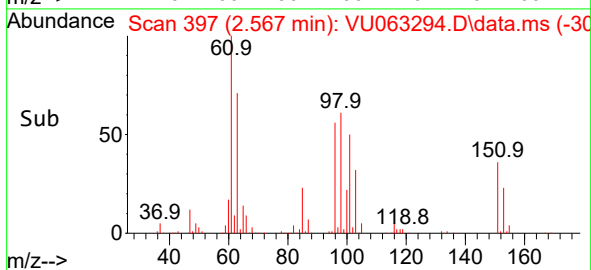
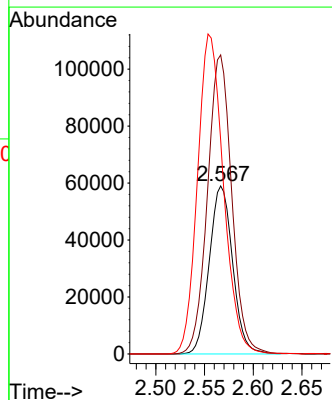
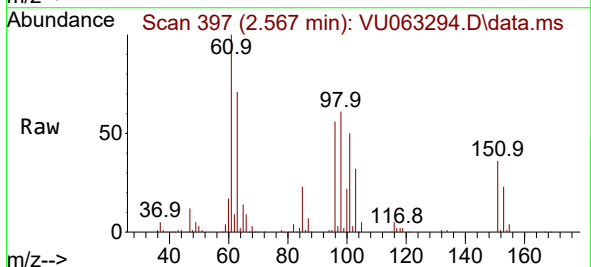
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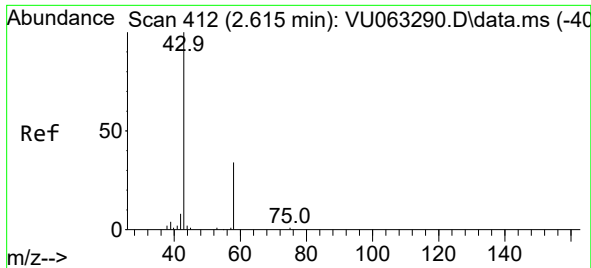
Tgt Ion:101 Resp: 100256
Ion Ratio Lower Upper
101 100
85 44.7 36.5 54.7
151 71.7 57.4 86.0



#12
1,1-Dichloroethene
Concen: 50.48 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.001 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 96 Resp: 98503
Ion Ratio Lower Upper
96 100
61 178.0 121.9 226.5
63 127.2 93.2 173.0





#13

Acetone

Concen: 94.11 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

Instrument :

MSVOA_U

ClientSampleId :

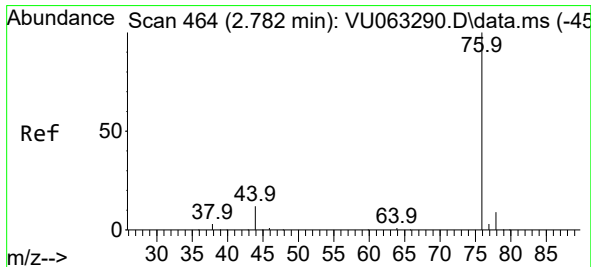
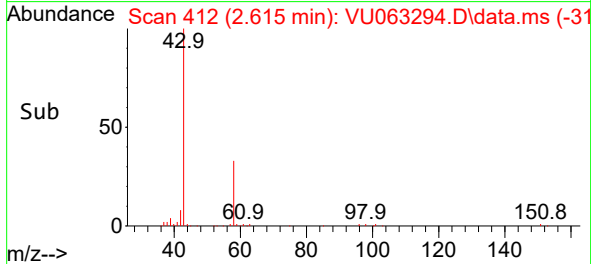
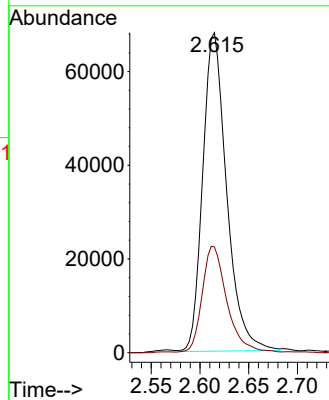
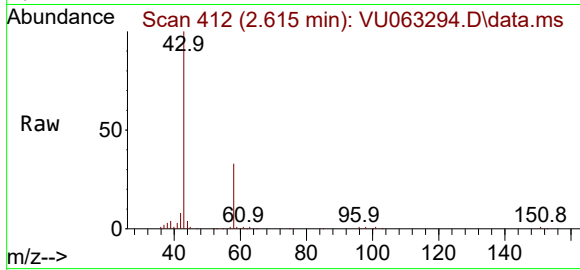
VSTD050102

Tgt Ion: 43 Resp: 116150

Ion Ratio Lower Upper

43 100

58 34.1 0.0 68.4



#14

Carbon disulfide

Concen: 51.52 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063294.D

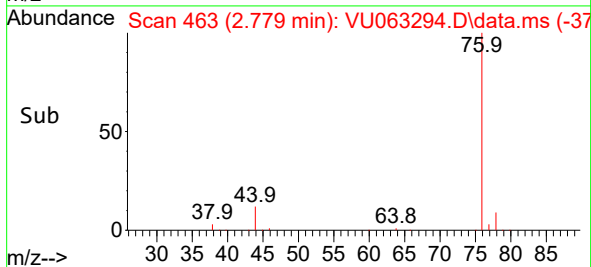
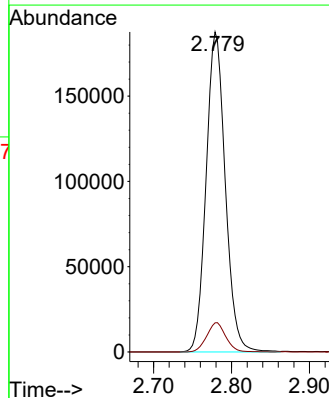
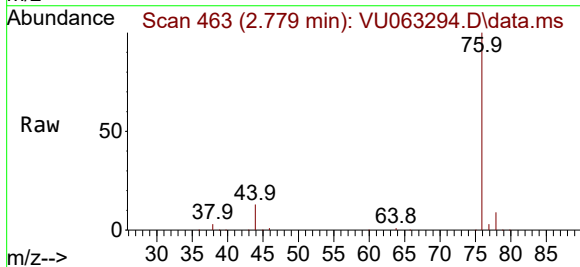
Acq: 17 Mar 2025 14:55

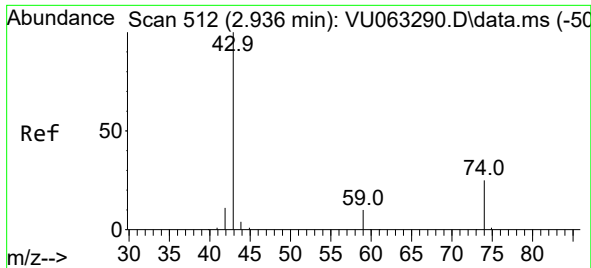
Tgt Ion: 76 Resp: 320315

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

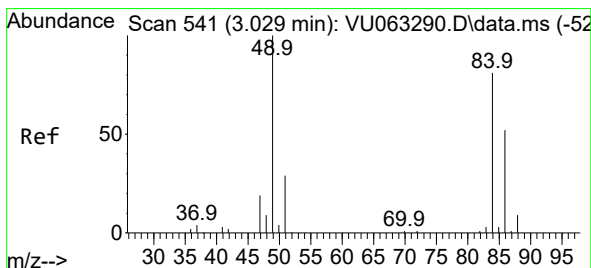
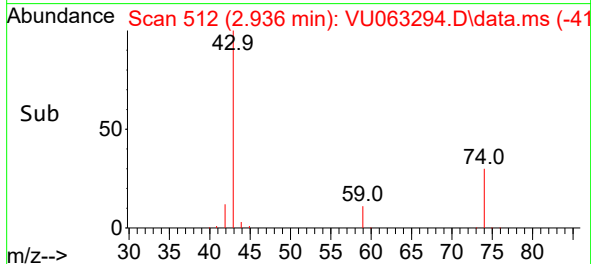
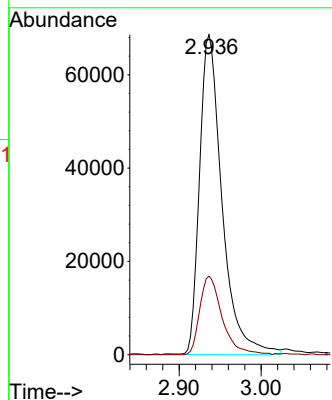
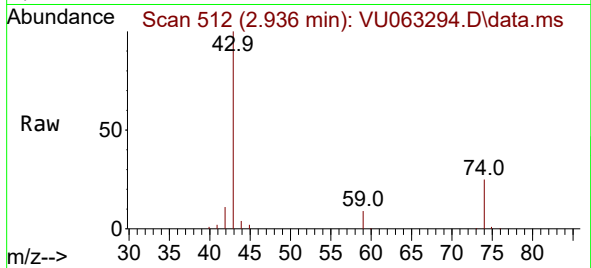




#15
Methyl Acetate
Concen: 48.22 ug/L
RT: 2.936 min Scan# 512
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

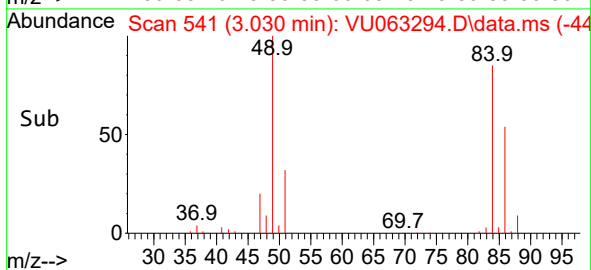
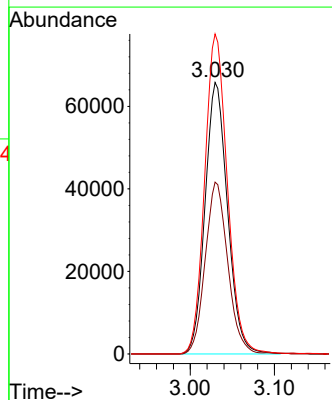
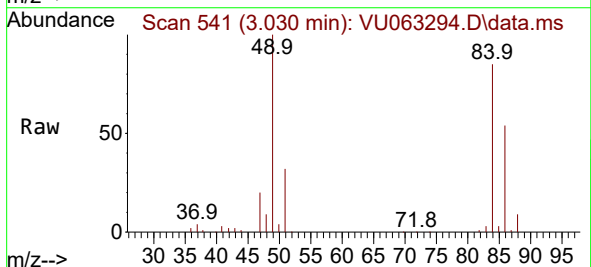
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

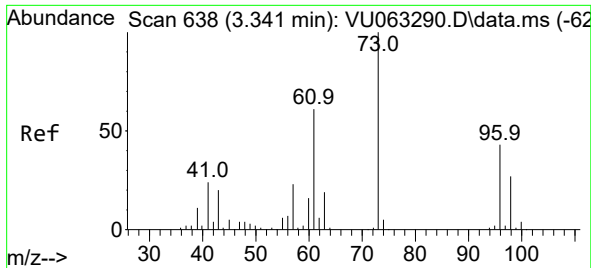
Tgt Ion: 43 Resp: 130396
Ion Ratio Lower Upper
43 100
74 24.3 0.0 0.0#



#16
Methylene chloride
Concen: 51.14 ug/L
RT: 3.030 min Scan# 541
Delta R.T. 0.001 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 84 Resp: 122471
Ion Ratio Lower Upper
84 100
86 63.3 44.4 82.5
49 117.8 86.3 160.3

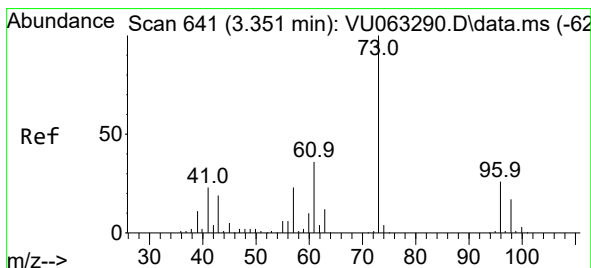
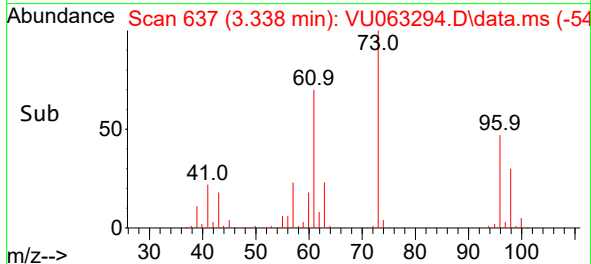
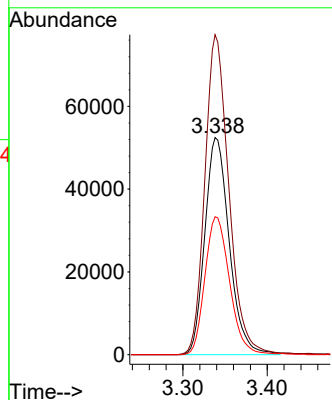
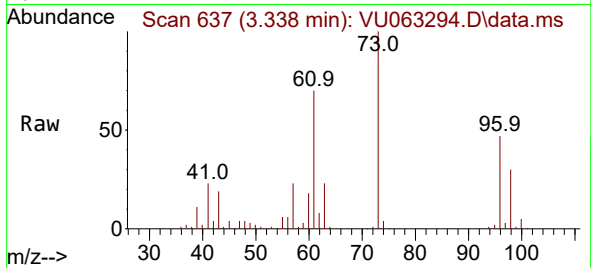




#17
trans-1,2-Dichloroethene
Concen: 51.36 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

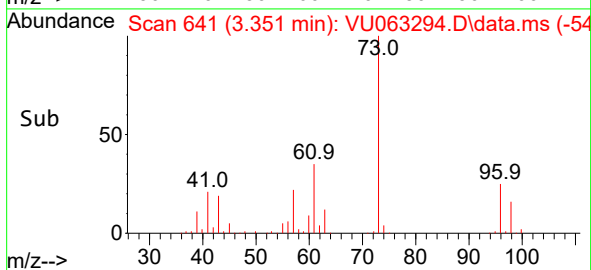
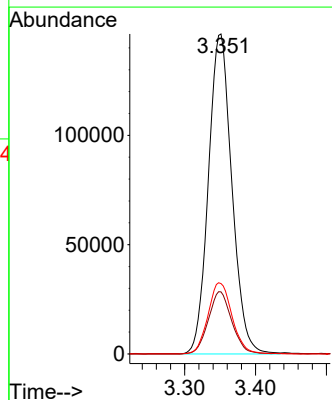
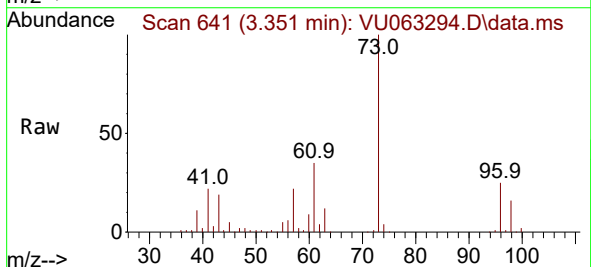
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

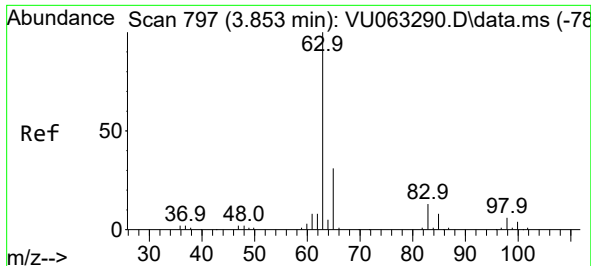
Tgt Ion: 96 Resp: 106082
Ion Ratio Lower Upper
96 100
61 147.3 100.1 185.9
98 63.5 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 51.02 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 73 Resp: 336741
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.2
57 22.8 18.3 27.5

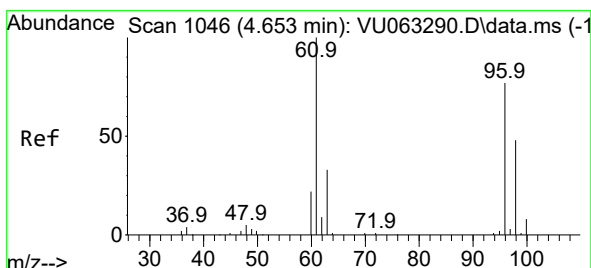
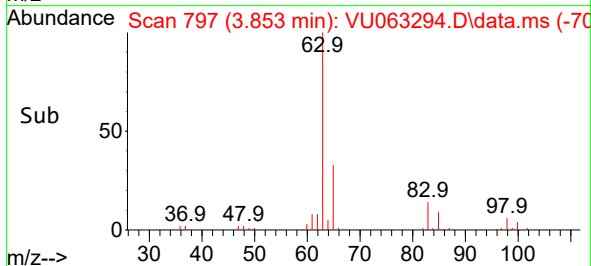
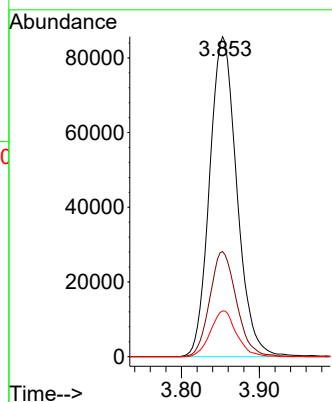
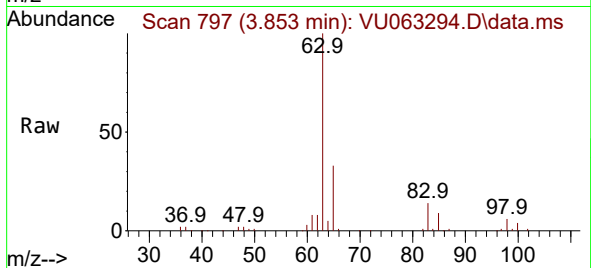




#19
1,1-Dichloroethane
Concen: 49.16 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

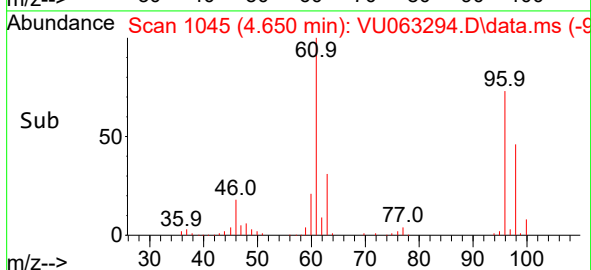
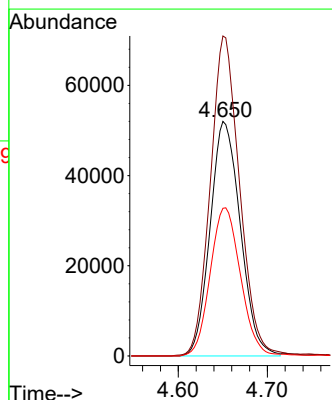
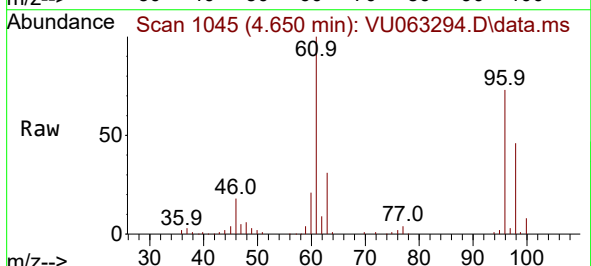
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

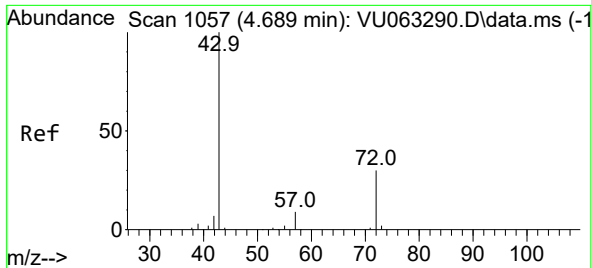
Tgt Ion: 63 Resp: 208016
Ion Ratio Lower Upper
63 100
65 32.8 21.9 40.7
83 14.3 9.0 16.6



#20
cis-1,2-Dichloroethene
Concen: 51.70 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.003 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 96 Resp: 122555
Ion Ratio Lower Upper
96 100
61 136.4 91.6 170.0
98 63.0 44.0 81.8

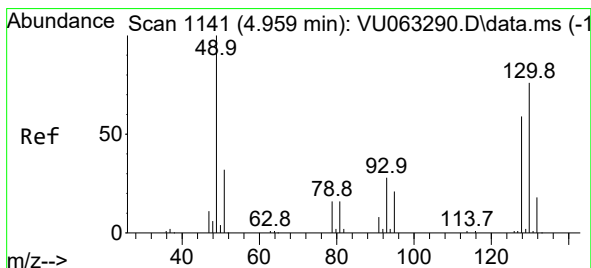
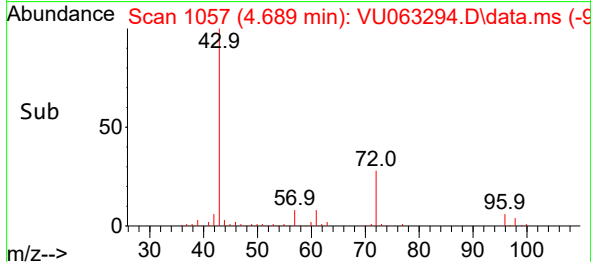
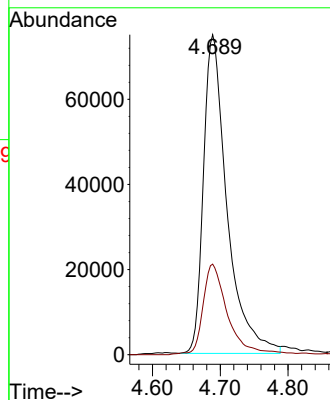
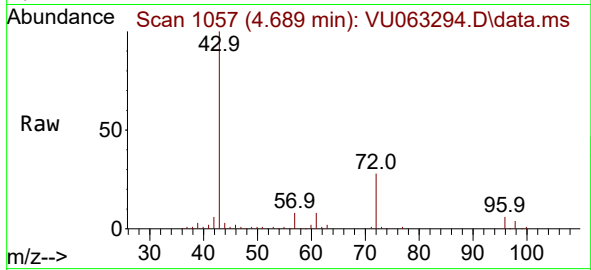




#22
2-Butanone
Concen: 100.82 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

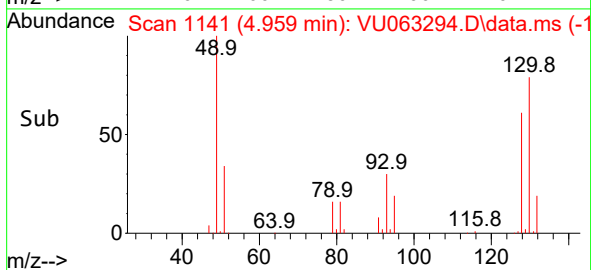
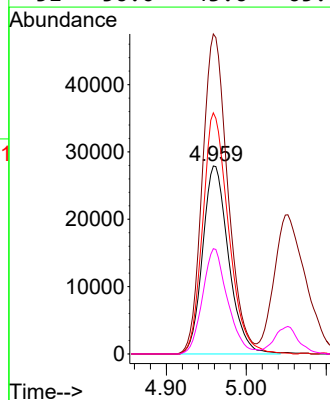
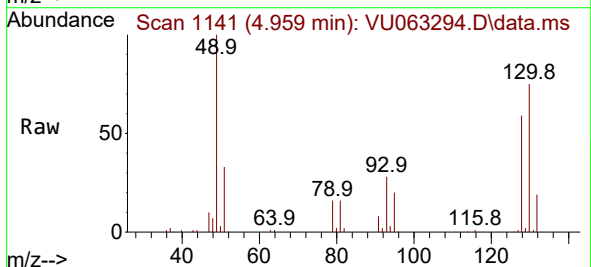
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

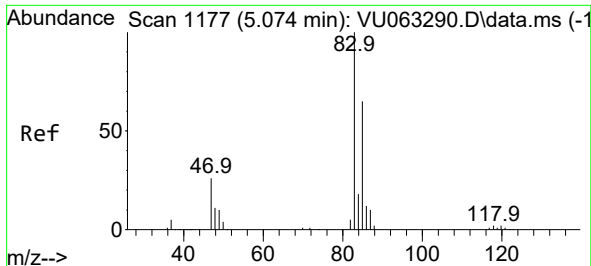
Tgt Ion: 43 Resp: 180613
Ion Ratio Lower Upper
43 100
72 29.4 15.4 46.4



#23
Bromochloromethane
Concen: 51.80 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion:128 Resp: 62944
Ion Ratio Lower Upper
128 100
49 170.2 118.2 219.6
130 128.2 89.2 165.8
51 56.0 43.6 65.4

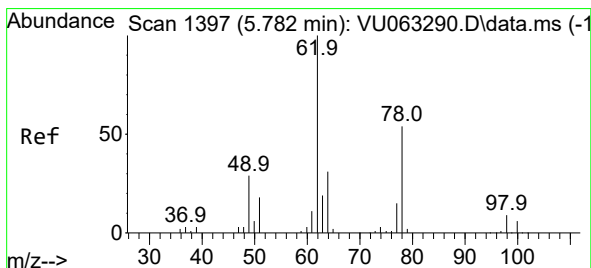
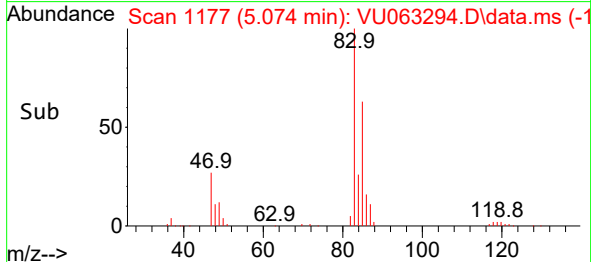
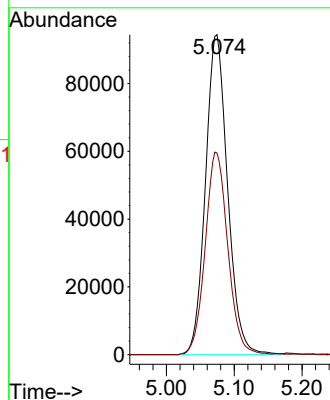
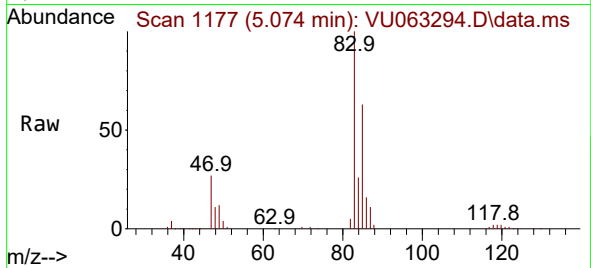




#25
Chloroform
Concen: 50.24 ug/L
RT: 5.074 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

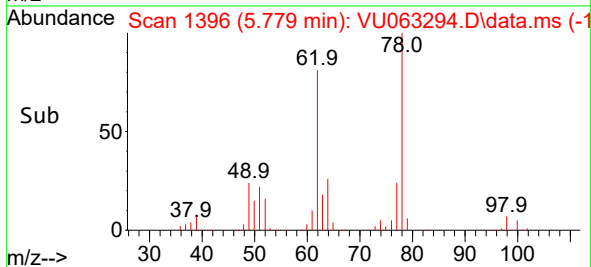
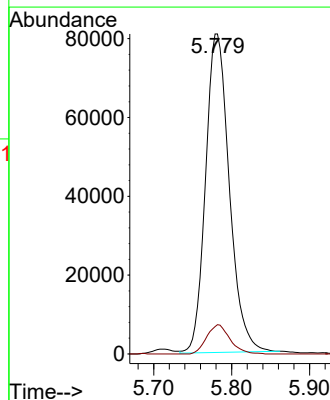
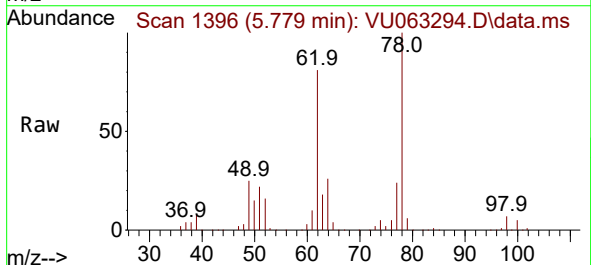
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

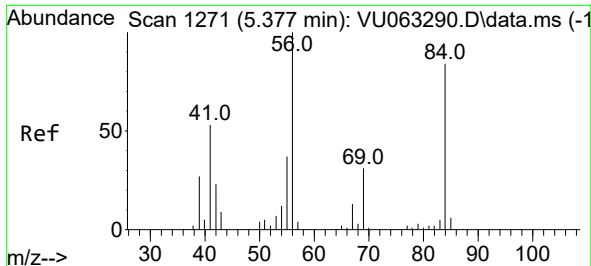
Tgt Ion: 83 Resp: 213959
Ion Ratio Lower Upper
83 100
85 63.0 45.9 85.3



#27
1,2-Dichloroethane
Concen: 51.30 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 62 Resp: 171580
Ion Ratio Lower Upper
62 100
98 8.6 7.5 11.3





#29

Cyclohexane

Concen: 51.99 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050102

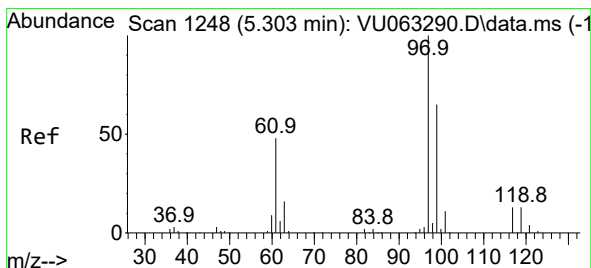
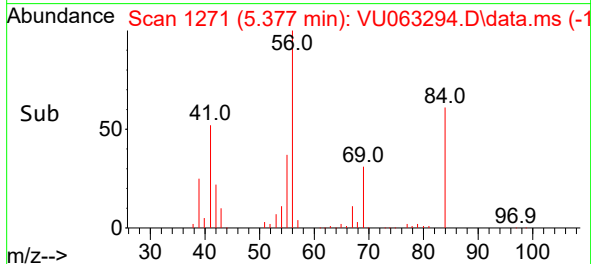
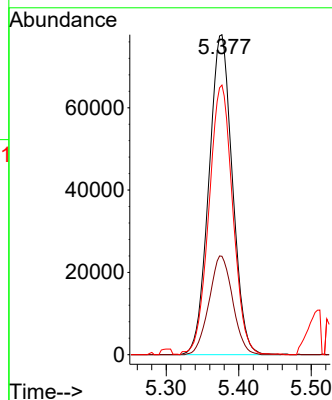
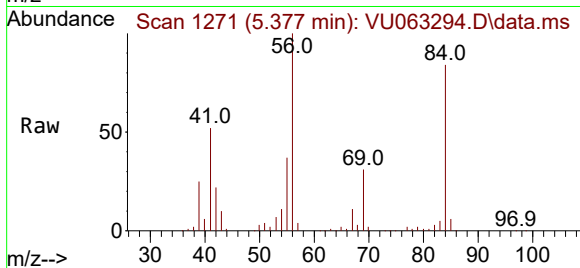
Tgt Ion: 56 Resp: 175385

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.4

84 84.9 67.2 100.8



#30

1,1,1-Trichloroethane

Concen: 49.62 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

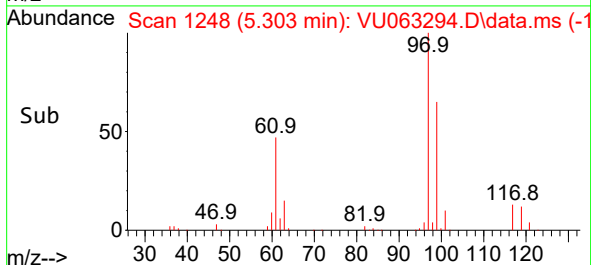
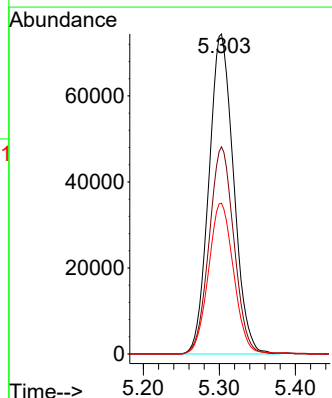
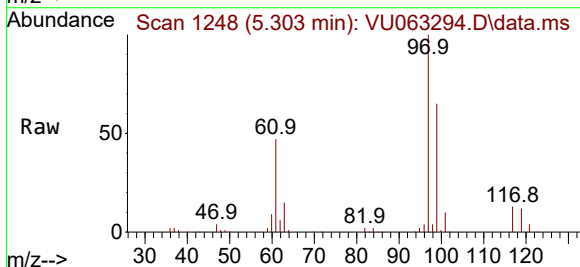
Tgt Ion: 97 Resp: 168141

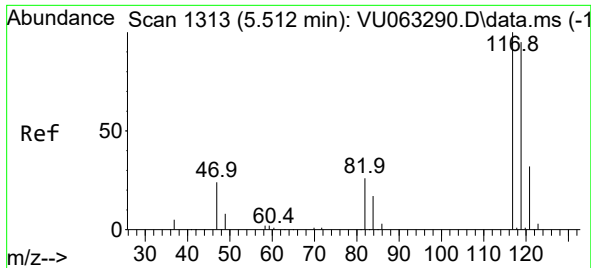
Ion Ratio Lower Upper

97 100

99 64.8 52.1 78.1

61 47.9 38.6 57.8

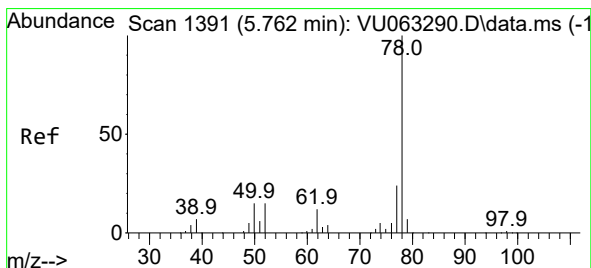
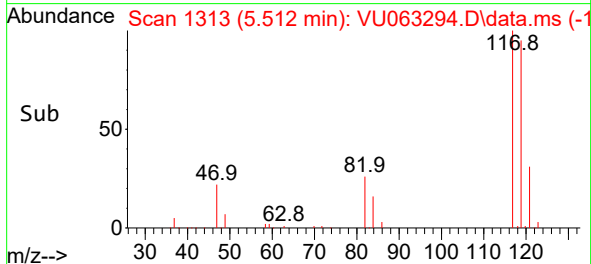
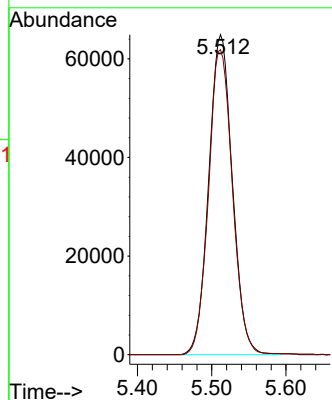
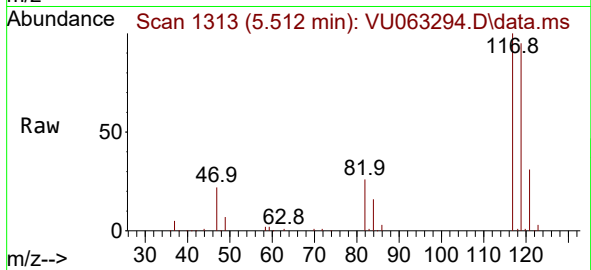




#31
Carbon tetrachloride
Concen: 50.84 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

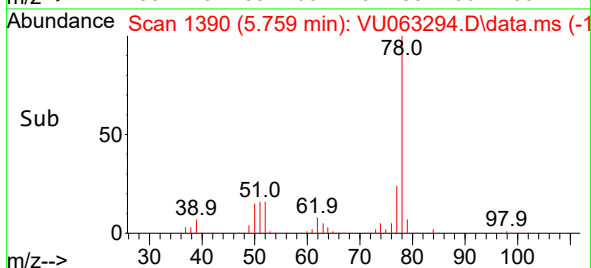
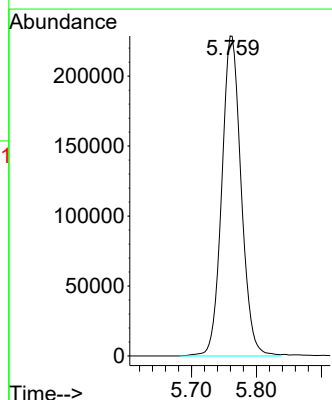
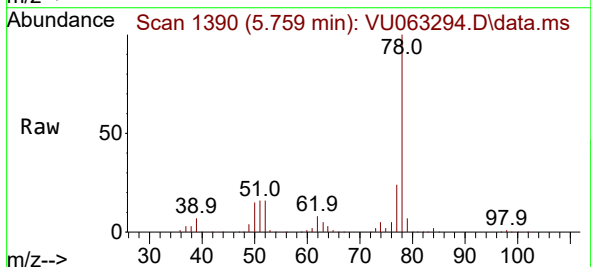
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

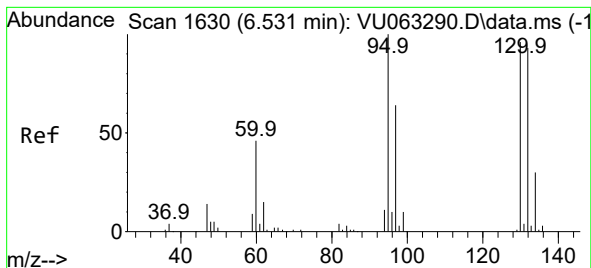
Tgt Ion:117 Resp: 143473
Ion Ratio Lower Upper
117 100
119 96.3 76.3 114.5



#33
Benzene
Concen: 51.65 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 78 Resp: 472818





#34

Trichloroethene

Concen: 52.07 ug/L

RT: 6.531 min Scan# 1630

Delta R.T. 0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050102

Tgt Ion: 95 Resp: 121476

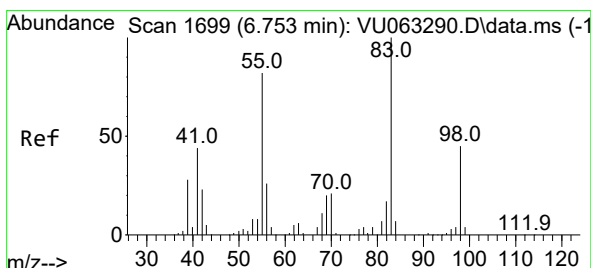
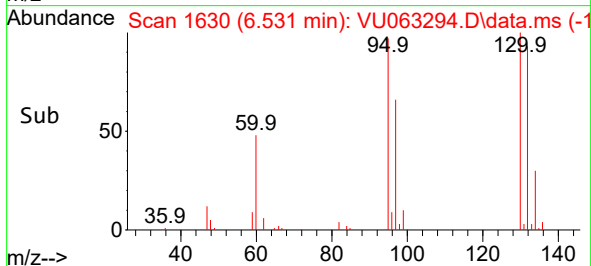
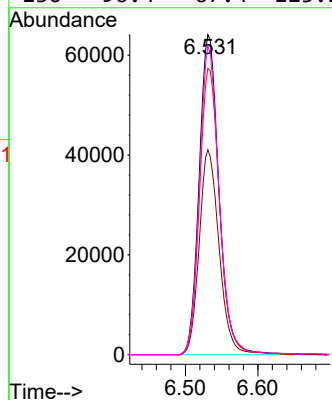
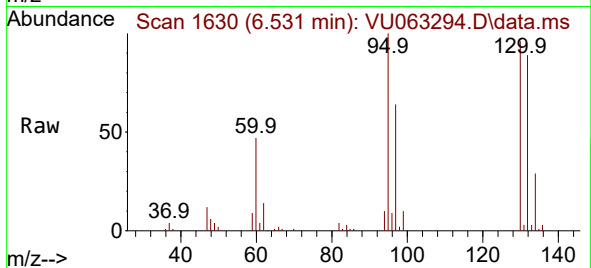
Ion Ratio Lower Upper

95 100

97 64.0 44.6 82.8

132 89.5 65.3 121.3

130 96.4 67.4 125.2



#35

Methylcyclohexane

Concen: 53.57 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

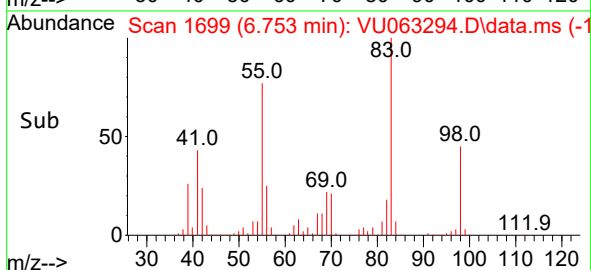
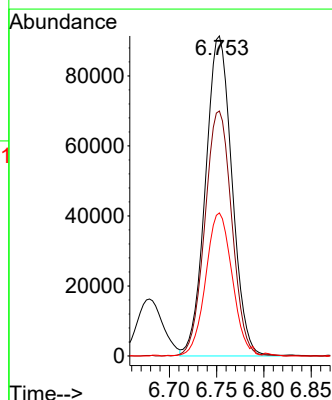
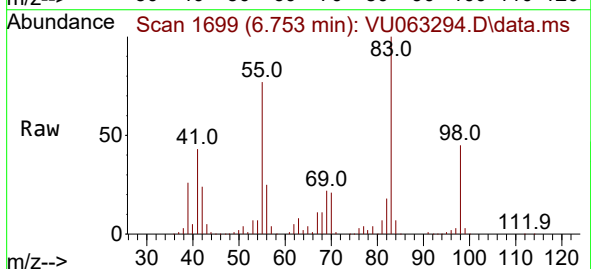
Tgt Ion: 83 Resp: 178437

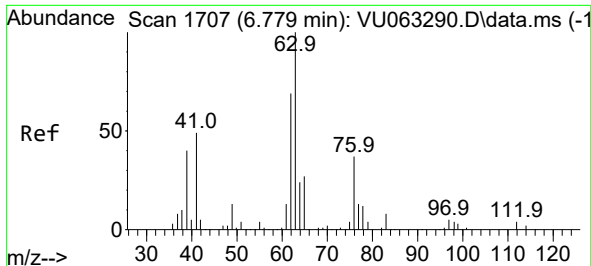
Ion Ratio Lower Upper

83 100

55 77.7 63.4 95.2

98 44.8 35.2 52.8





#37

1,2-Dichloropropane

Concen: 50.35 ug/L

RT: 6.779 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

Instrument :

MSVOA_U

ClientSampleId :

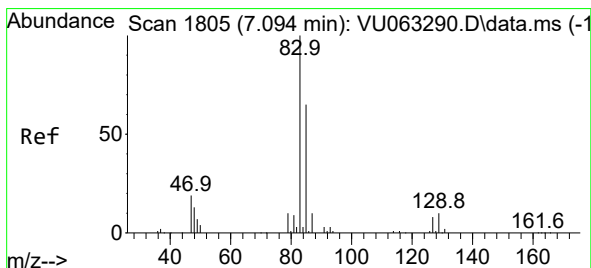
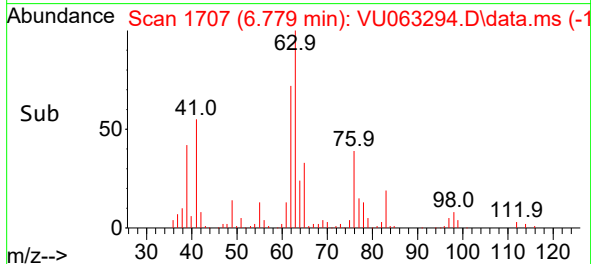
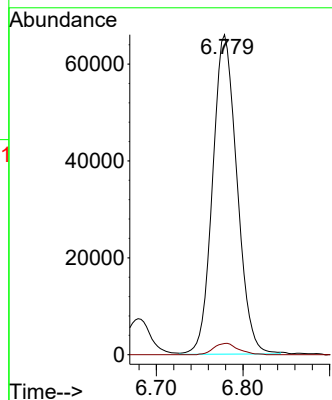
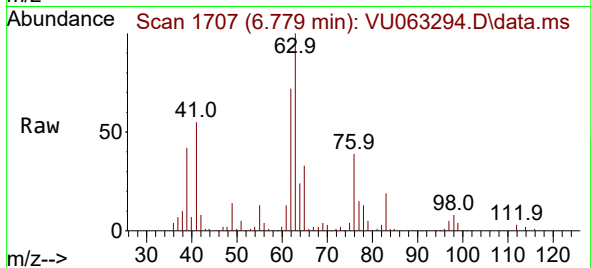
VSTD050102

Tgt Ion: 63 Resp: 129201

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



#38

Bromodichloromethane

Concen: 50.77 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

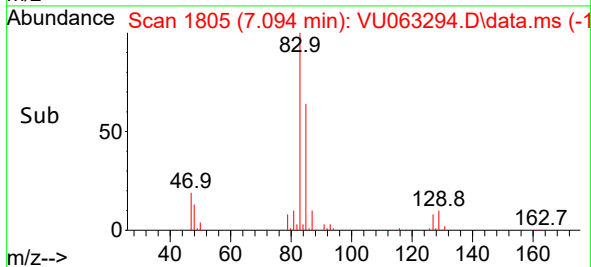
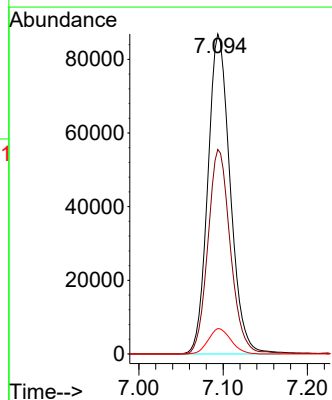
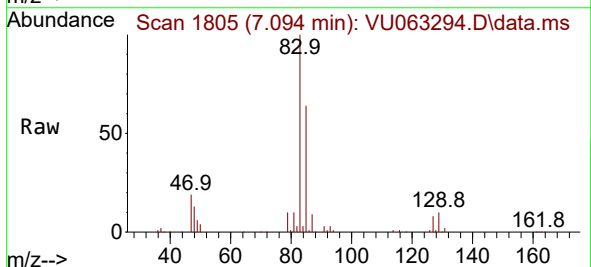
Tgt Ion: 83 Resp: 160217

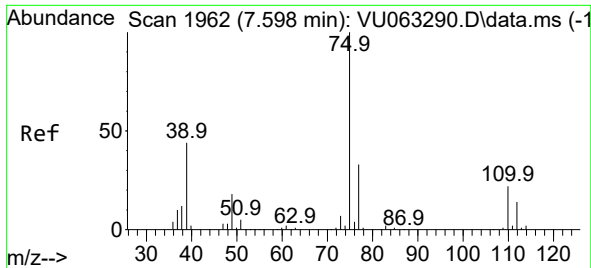
Ion Ratio Lower Upper

83 100

85 63.9 45.3 84.1

127 8.0 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 53.06 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

Instrument :

MSVOA_U

ClientSampleId :

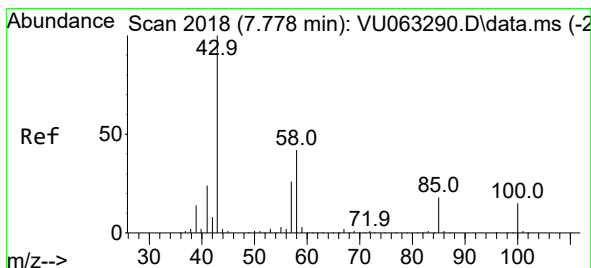
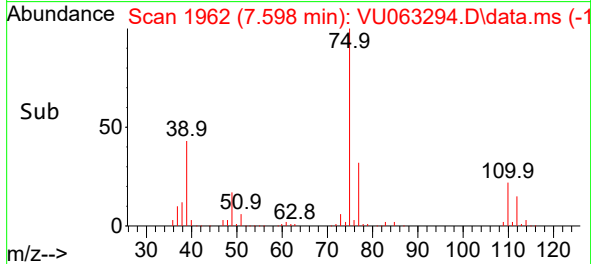
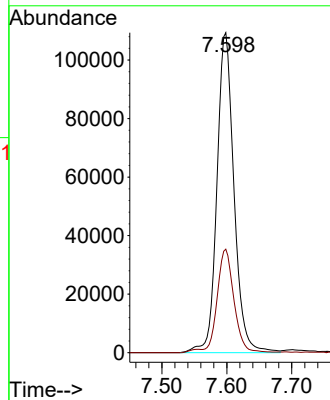
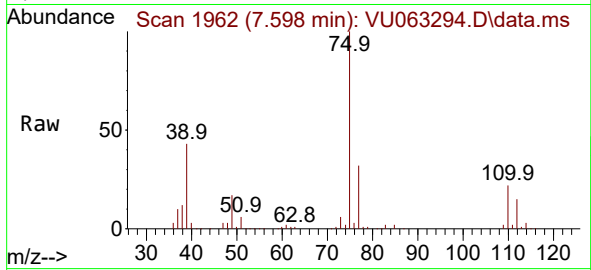
VSTD050102

Tgt Ion: 75 Resp: 199465

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 104.08 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.001 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

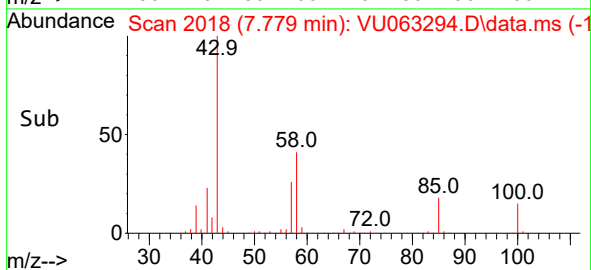
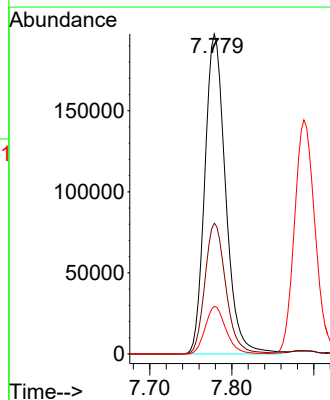
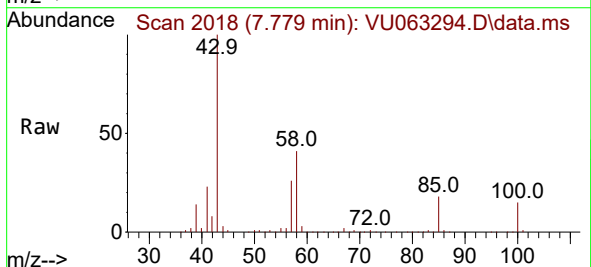
Tgt Ion: 43 Resp: 347330

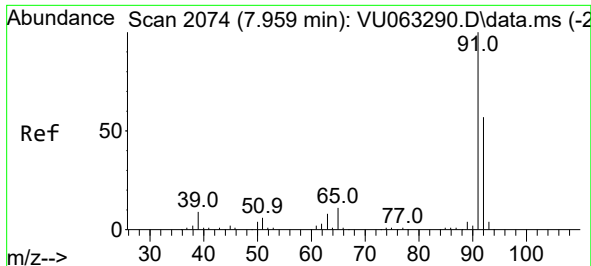
Ion Ratio Lower Upper

43 100

58 41.4 33.0 49.6

100 14.9 11.9 17.9

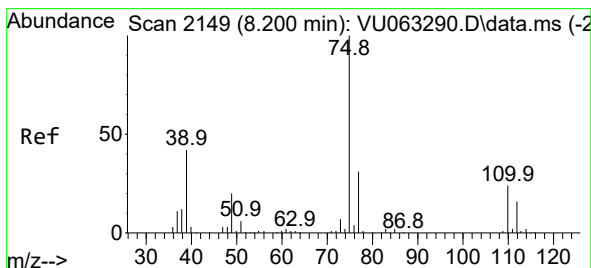
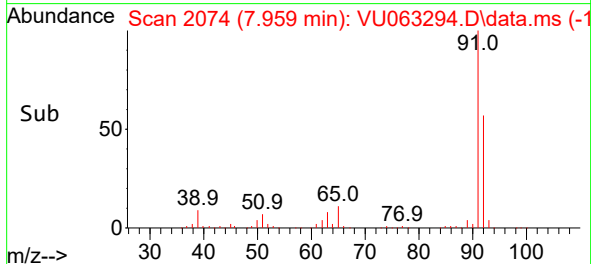
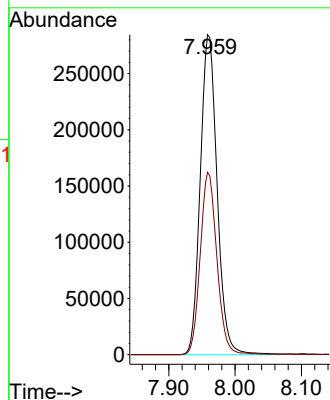
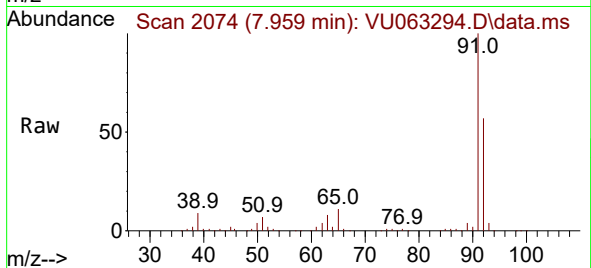




#42
Toluene
Concen: 53.18 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

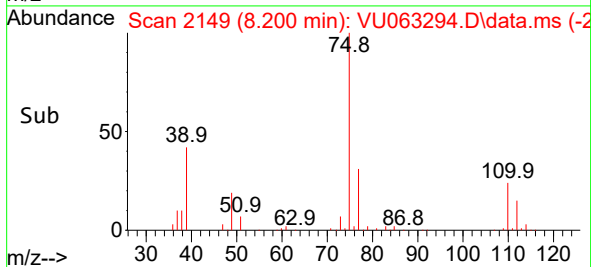
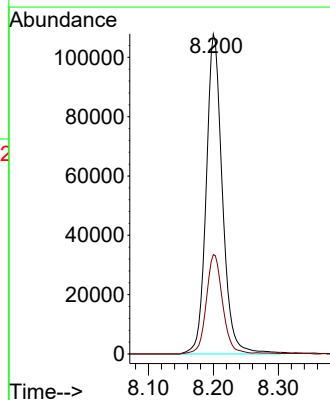
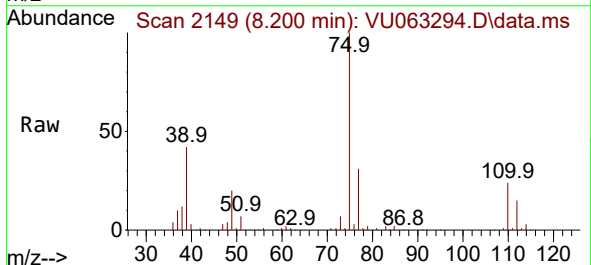
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

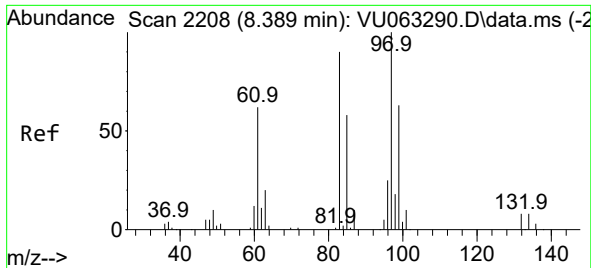
Tgt Ion: 91 Resp: 503663
Ion Ratio Lower Upper
91 100
92 57.0 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 53.95 ug/L
RT: 8.200 min Scan# 2149
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 75 Resp: 187409
Ion Ratio Lower Upper
75 100
77 31.1 21.7 40.3



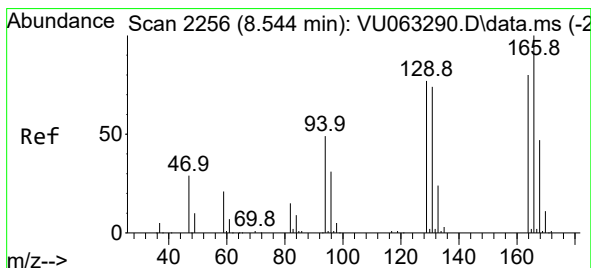
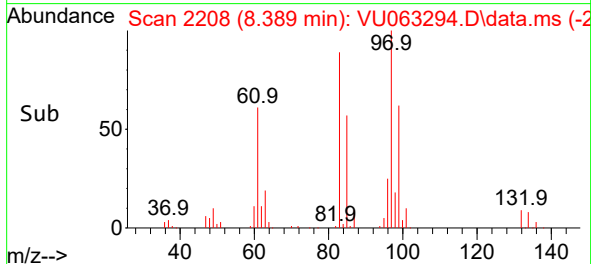
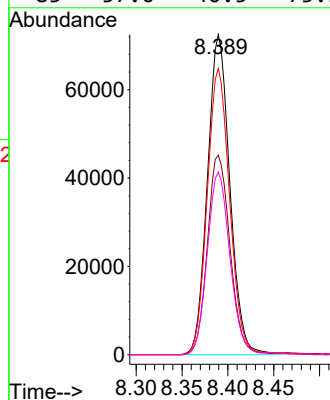
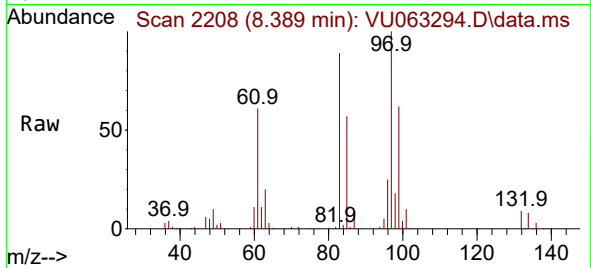


#45
1,1,2-Trichloroethane
Concen: 50.66 ug/L
RT: 8.389 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

Tgt Ion: 97 Resp: 123415

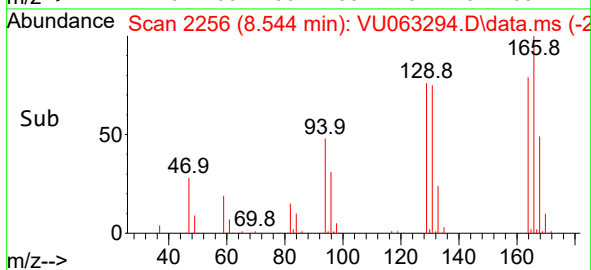
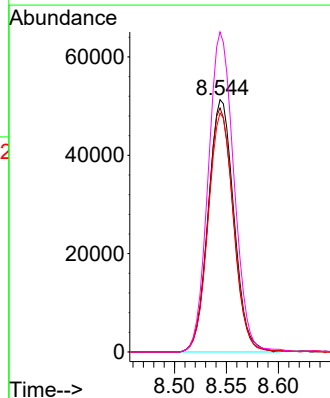
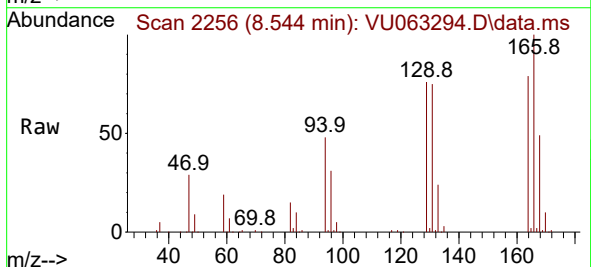
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.4	82.4
83	89.4	63.3	117.5
85	57.0	40.5	75.1

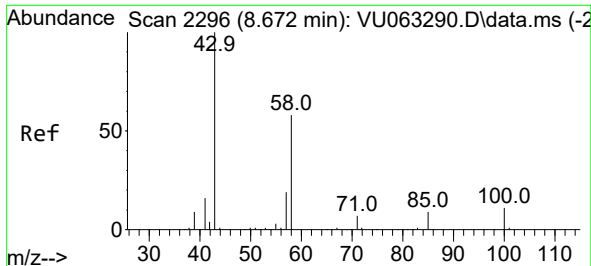


#46
Tetrachloroethene
Concen: 53.39 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 164 Resp: 87922

Ion	Ratio	Lower	Upper
164	100		
129	96.7	67.8	125.8
131	94.8	64.3	119.5
166	126.8	87.6	162.6

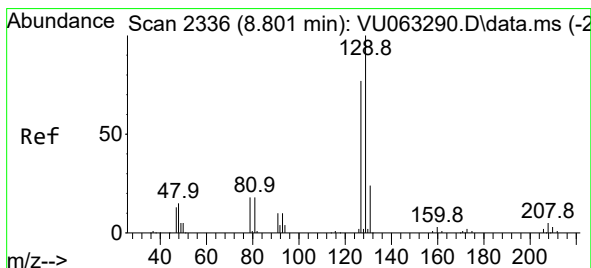
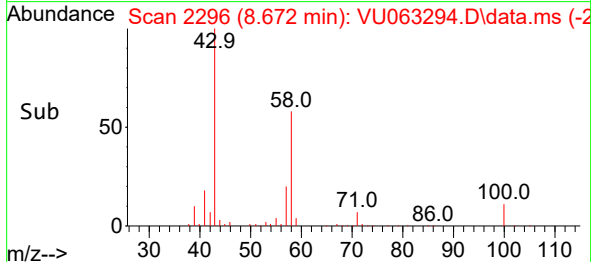
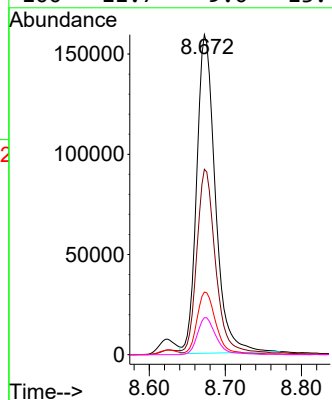
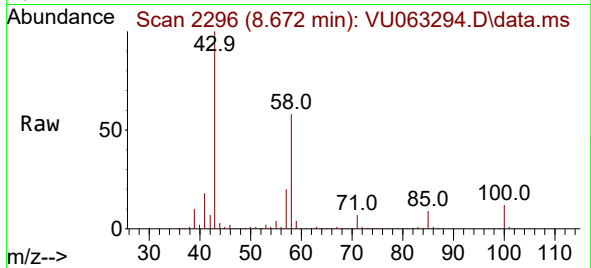




#48
2-Hexanone
Concen: 106.72 ug/L
RT: 8.672 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

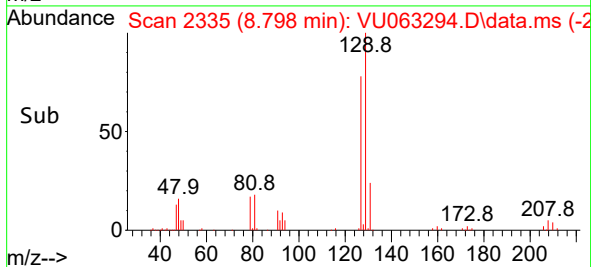
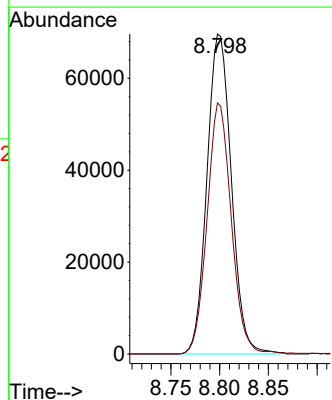
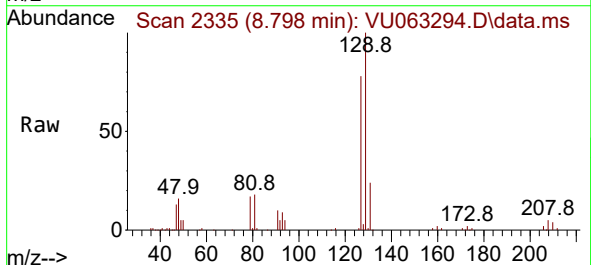
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

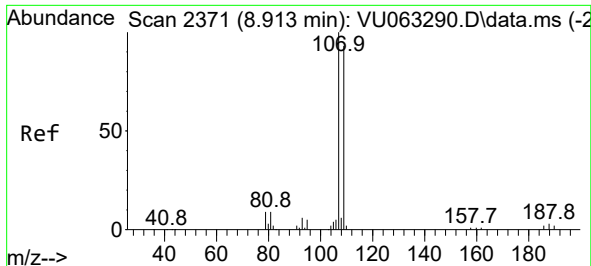
Tgt Ion: 43 Resp: 271519
Ion Ratio Lower Upper
43 100
58 58.0 46.6 69.8
57 19.0 15.8 23.6
100 11.7 9.0 13.4



#49
Dibromochloromethane
Concen: 51.37 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 129 Resp: 121408
Ion Ratio Lower Upper
129 100
127 78.5 54.0 100.4

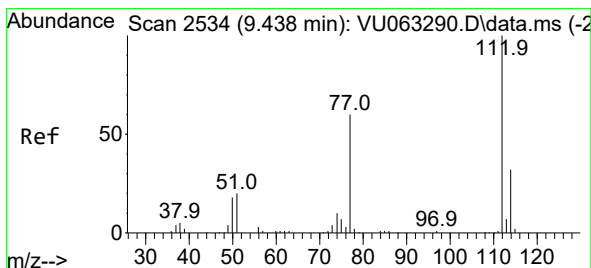
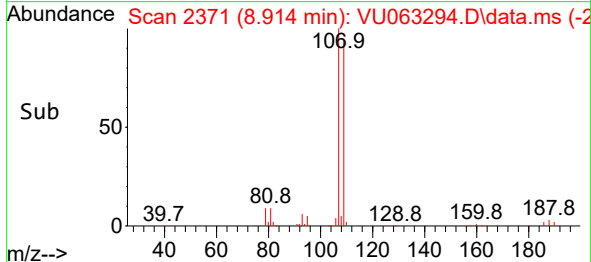
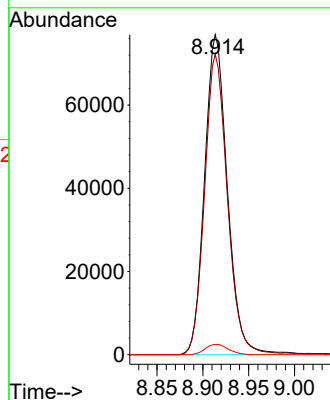
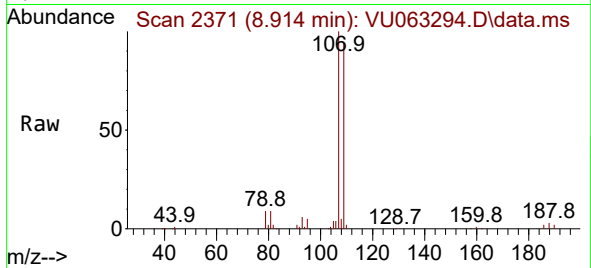




#50
1,2-Dibromoethane
Concen: 52.16 ug/L
RT: 8.914 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

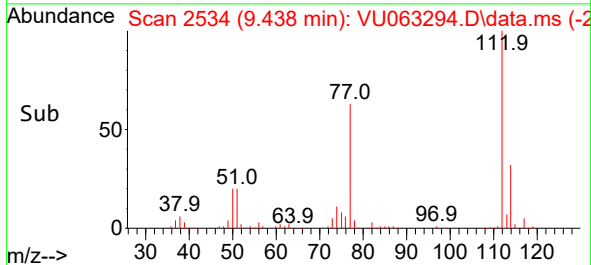
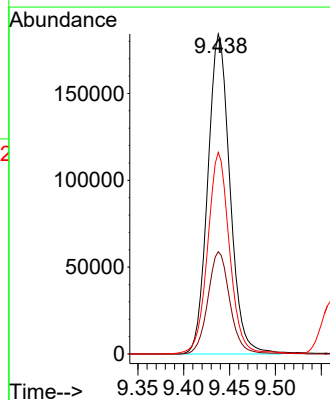
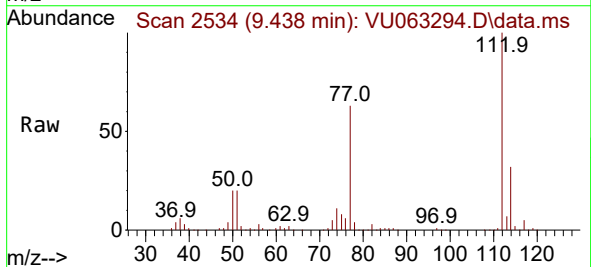
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

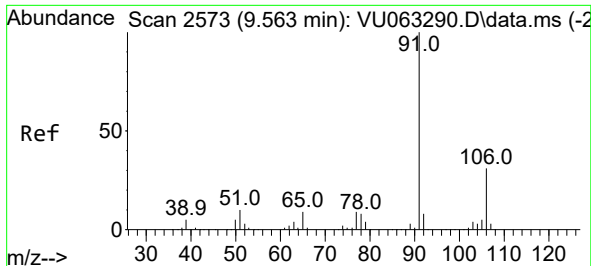
Tgt Ion:107 Resp: 132714
Ion Ratio Lower Upper
107 100
109 93.9 65.2 121.0
188 3.2 2.5 3.7



#51
Chlorobenzene
Concen: 51.89 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion:112 Resp: 309453
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 63.0 48.7 73.1

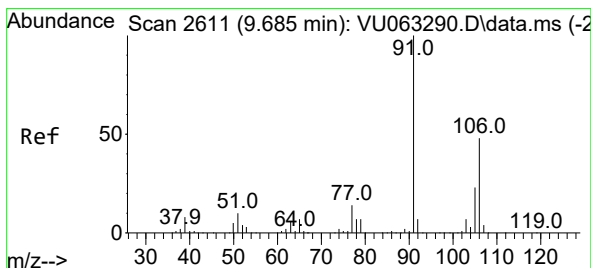
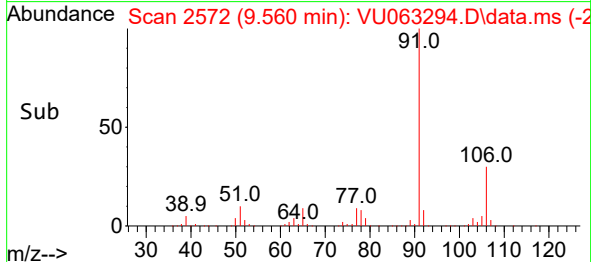
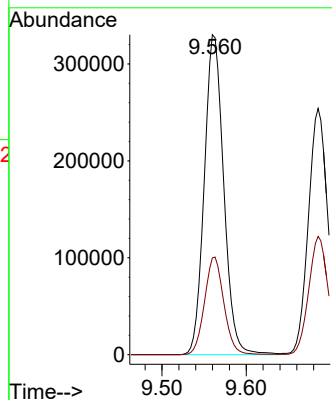
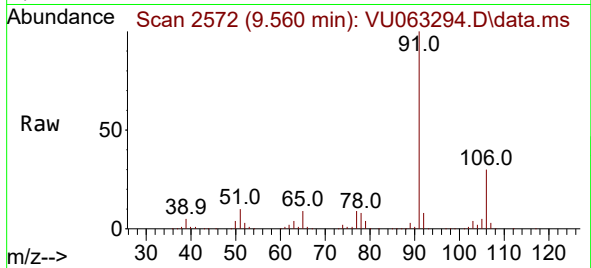




#52
Ethylbenzene
Concen: 53.61 ug/L
RT: 9.560 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

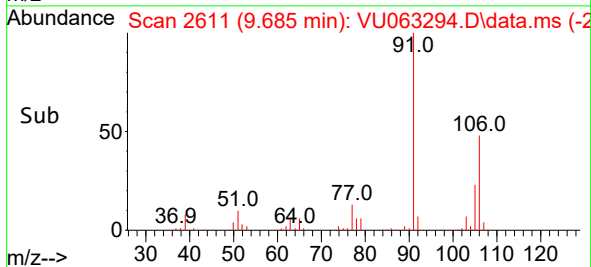
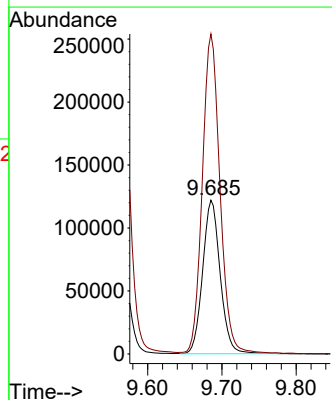
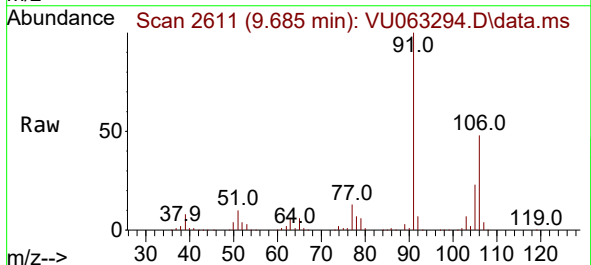
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

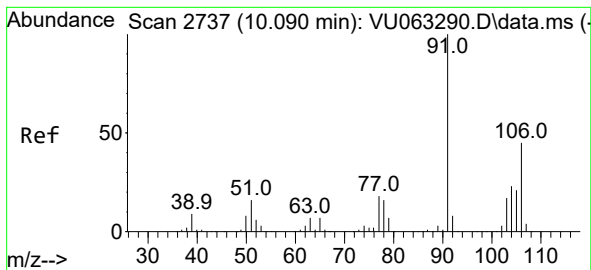
Tgt Ion: 91 Resp: 531370
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 54.56 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 106 Resp: 199764
Ion Ratio Lower Upper
106 100
91 208.2 147.3 273.6





#54

o-Xylene

Concen: 53.65 ug/L

RT: 10.090 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

Instrument :

MSVOA_U

ClientSampleId :

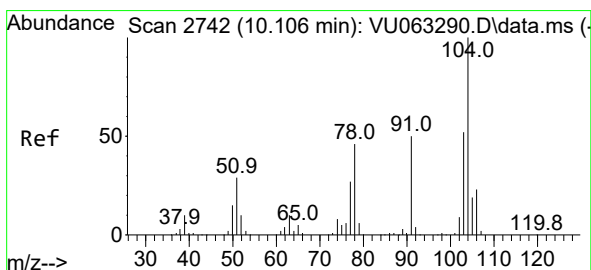
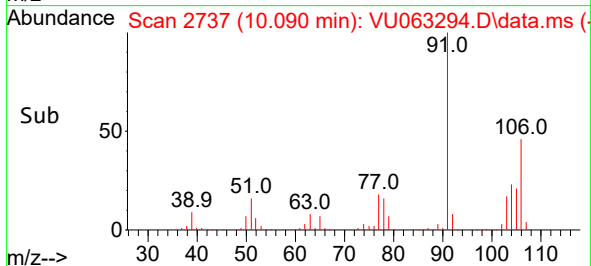
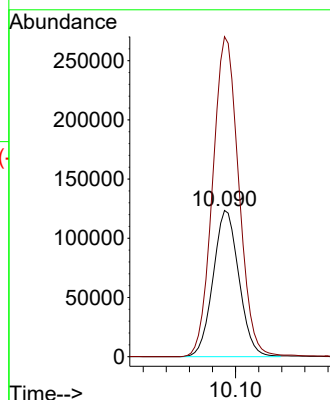
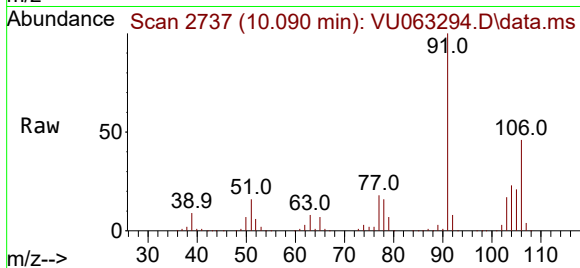
VSTD050102

Tgt Ion:106 Resp: 191479

Ion Ratio Lower Upper

106 100

91 218.9 156.7 291.1



#55

Styrene

Concen: 56.66 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU063294.D

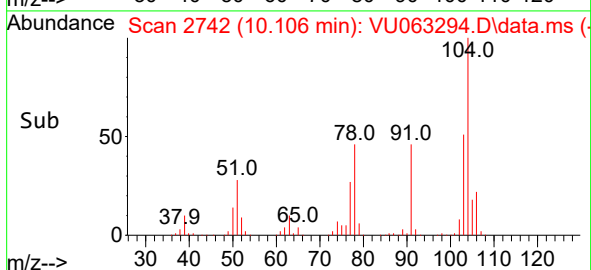
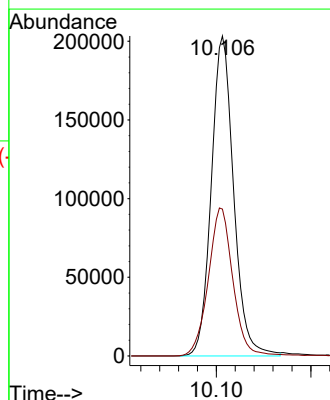
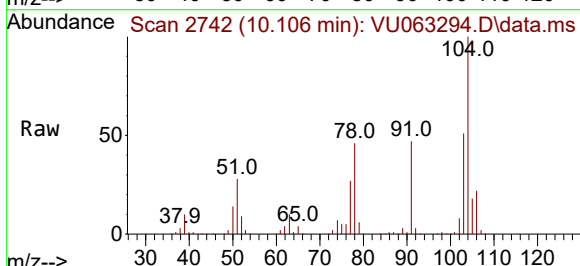
Acq: 17 Mar 2025 14:55

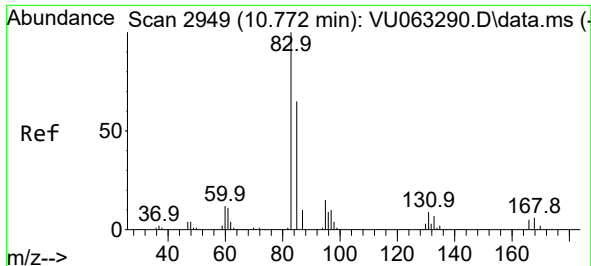
Tgt Ion:104 Resp: 333889

Ion Ratio Lower Upper

104 100

78 45.9 32.4 60.2

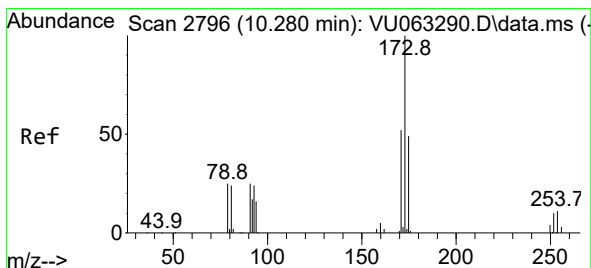
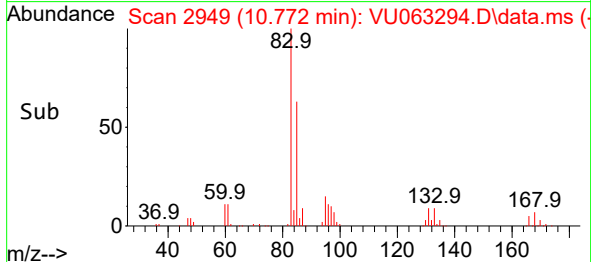
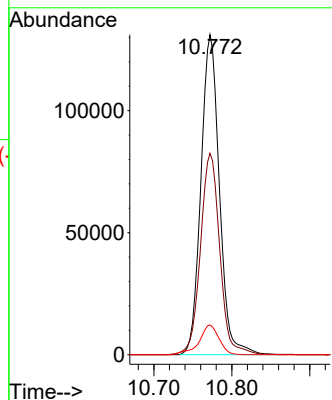
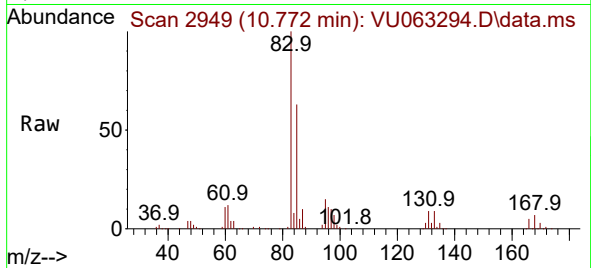




#57
1,1,2,2-Tetrachloroethane
Concen: 51.00 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

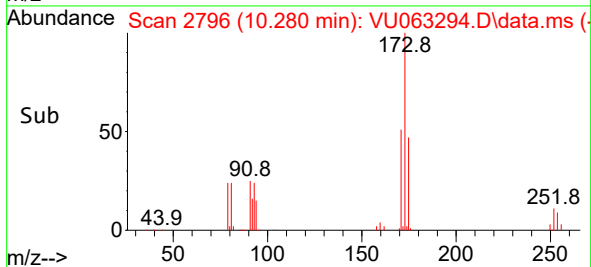
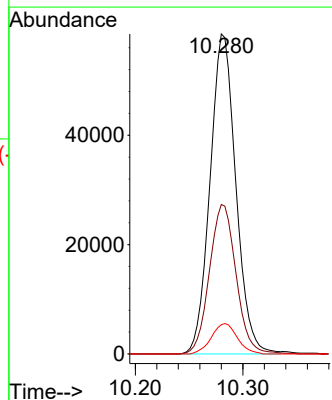
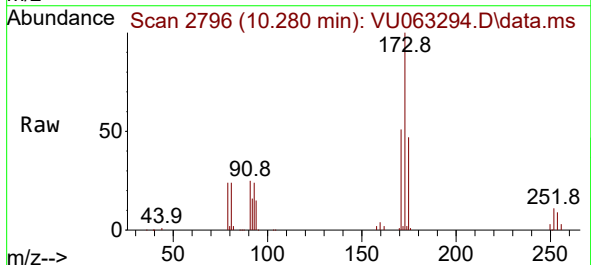
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

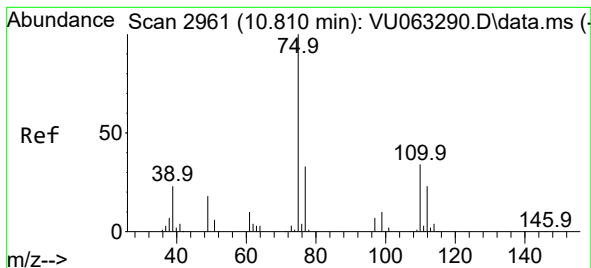
Tgt Ion: 83 Resp: 216037
Ion Ratio Lower Upper
83 100
85 62.9 45.6 84.8
131 9.3 7.1 10.7



#59
Bromoform
Concen: 51.58 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion: 173 Resp: 97635
Ion Ratio Lower Upper
173 100
175 48.0 38.6 57.8
254 9.5 7.8 11.6





#60

1,2,3-Trichloropropane

Concen: 49.18 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.004 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050102

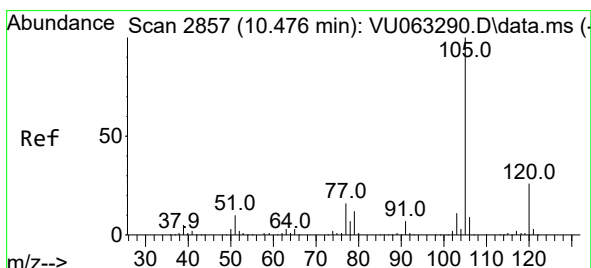
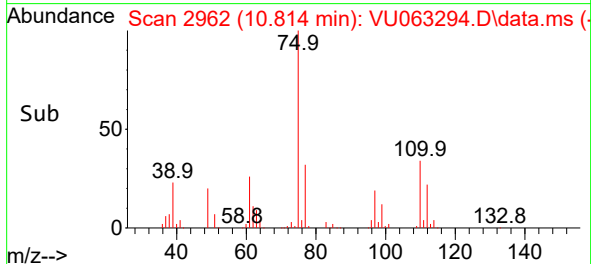
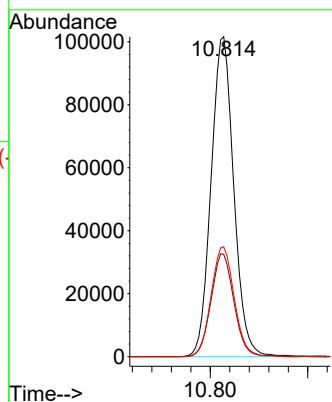
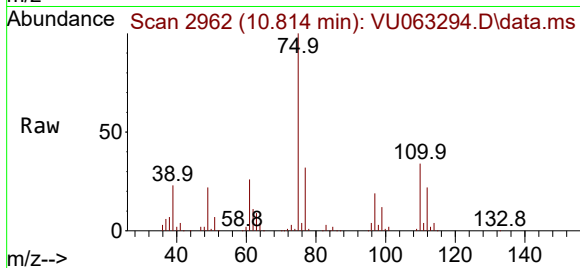
Tgt Ion: 75 Resp: 163807

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9

110 35.0 27.8 41.8



#61

Isopropylbenzene

Concen: 54.47 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

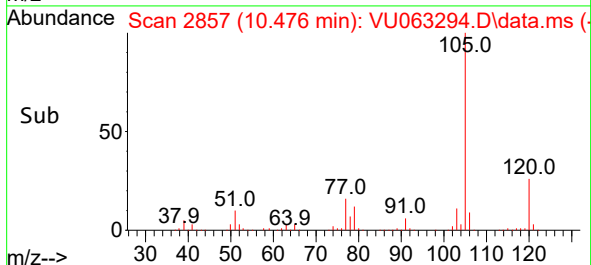
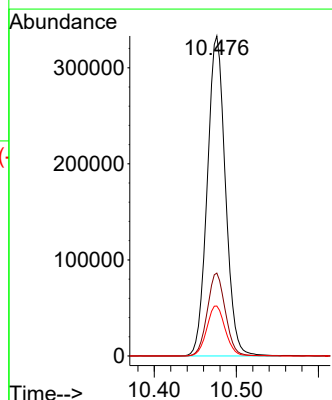
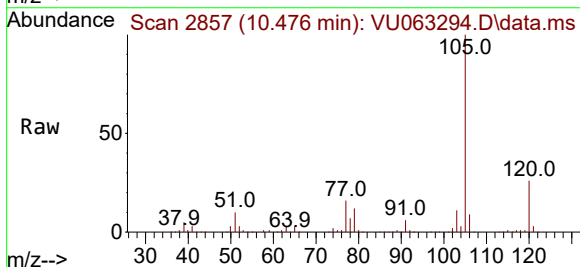
Tgt Ion: 105 Resp: 512746

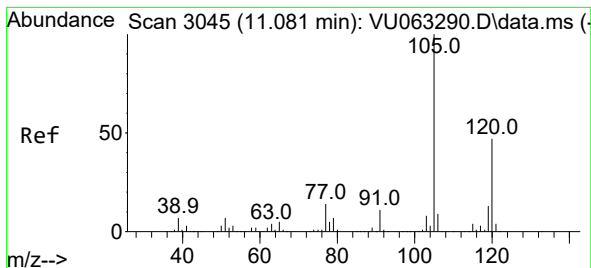
Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 15.9 13.0 19.4

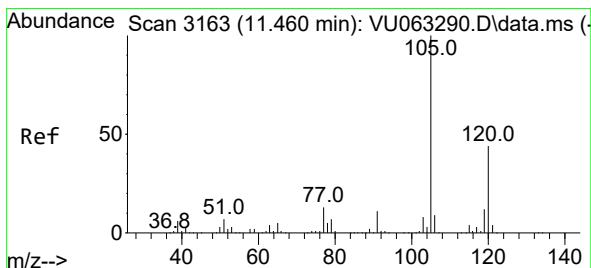
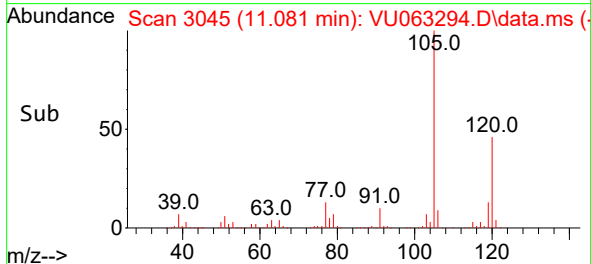
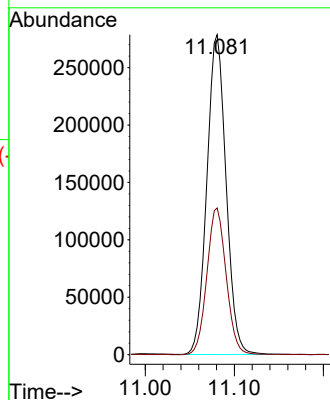
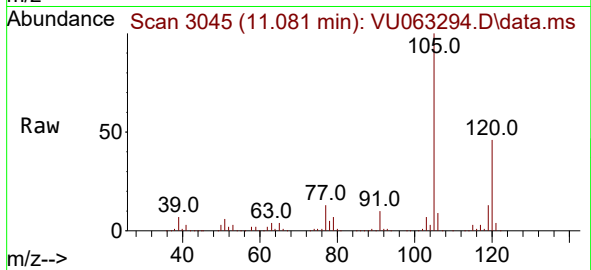




#62
1,3,5-Trimethylbenzene
Concen: 56.05 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

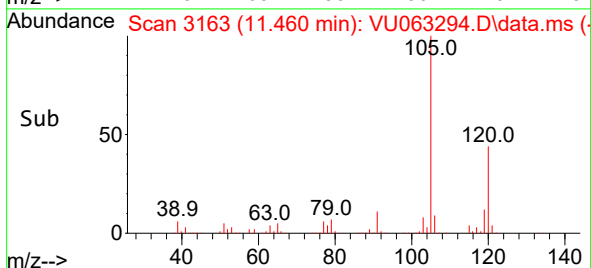
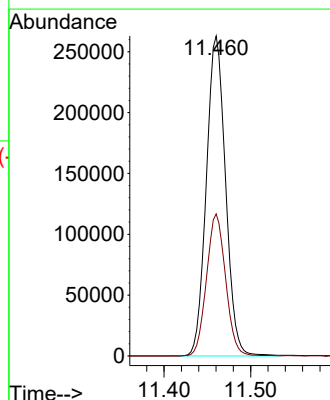
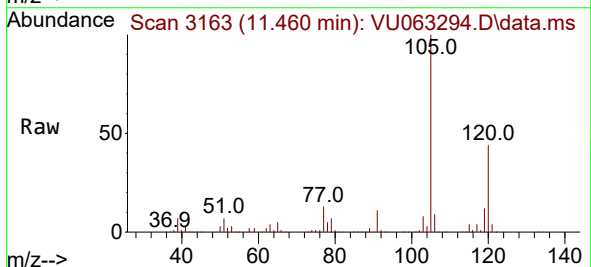
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

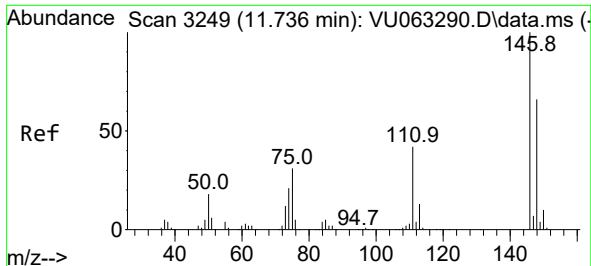
Tgt Ion:105 Resp: 416277
Ion Ratio Lower Upper
105 100
120 46.1 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 56.95 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion:105 Resp: 405632
Ion Ratio Lower Upper
105 100
120 44.0 35.4 53.2

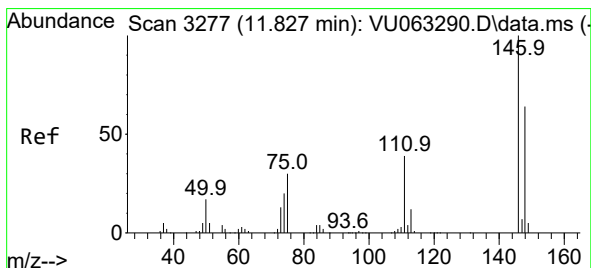
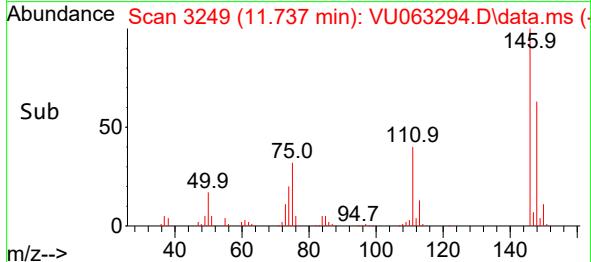
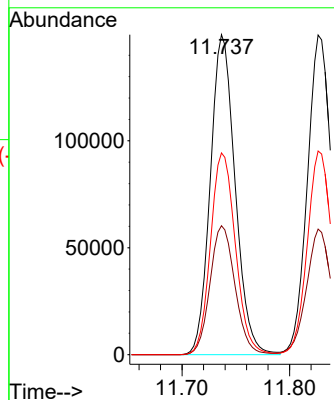
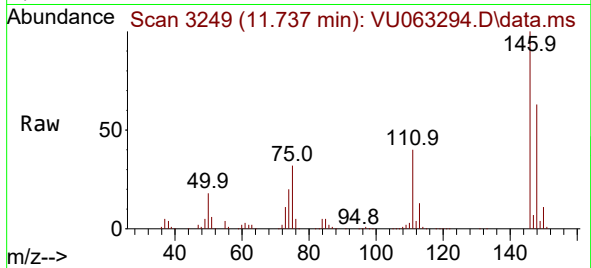




#64
1,3-Dichlorobenzene
Concen: 54.08 ug/L
RT: 11.737 min Scan# 31
Delta R.T. 0.001 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

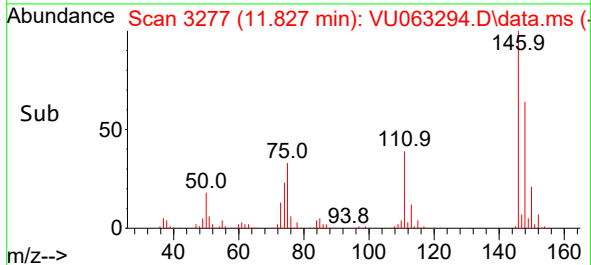
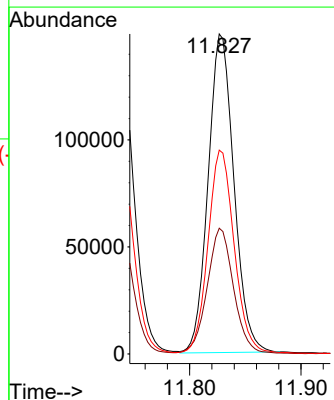
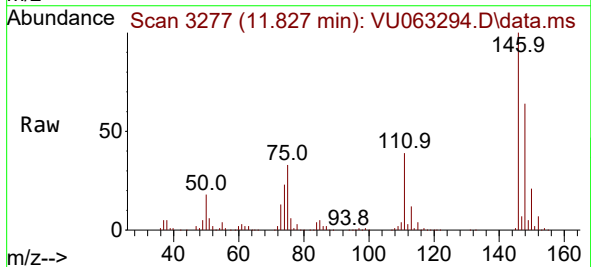
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

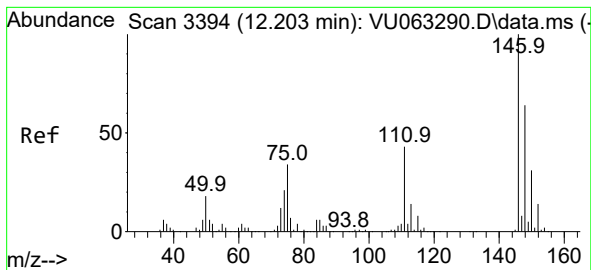
Tgt Ion:146 Resp: 240271
Ion Ratio Lower Upper
146 100
111 40.3 29.2 54.2
148 63.1 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 53.14 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion:146 Resp: 239828
Ion Ratio Lower Upper
146 100
111 39.3 27.5 51.1
148 63.7 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 52.69 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050102

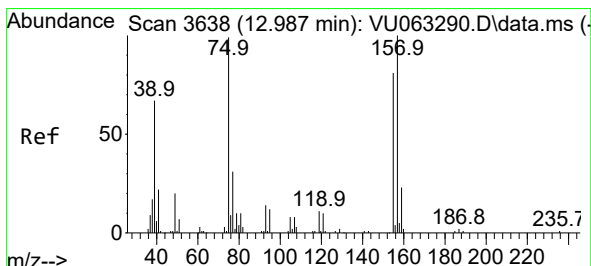
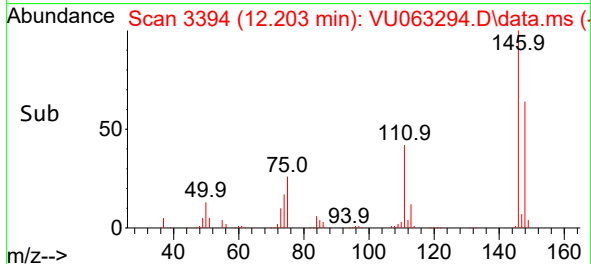
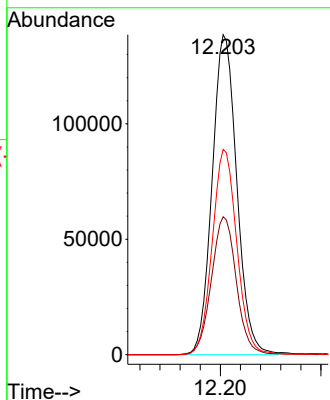
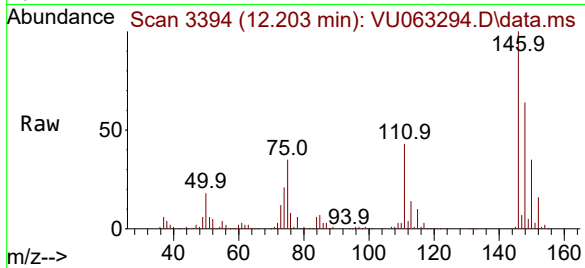
Tgt Ion:146 Resp: 235997

Ion Ratio Lower Upper

146 100

111 43.1 34.7 52.1

148 64.2 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 50.70 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063294.D

Acq: 17 Mar 2025 14:55

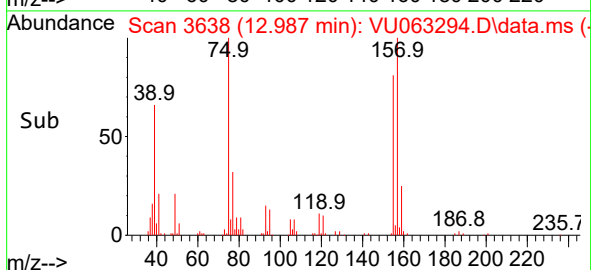
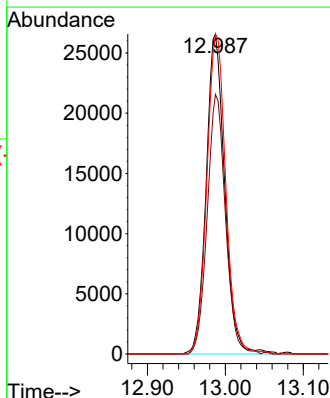
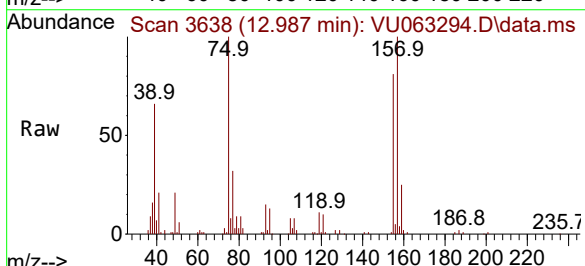
Tgt Ion: 75 Resp: 44055

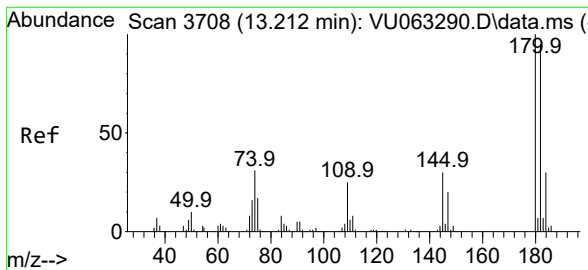
Ion Ratio Lower Upper

75 100

155 81.1 68.4 102.6

157 100.0 84.2 126.4

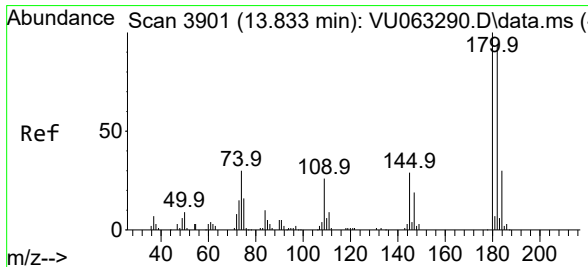
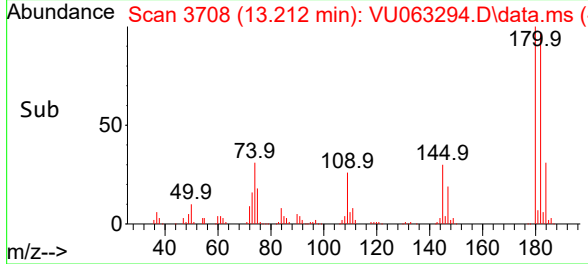
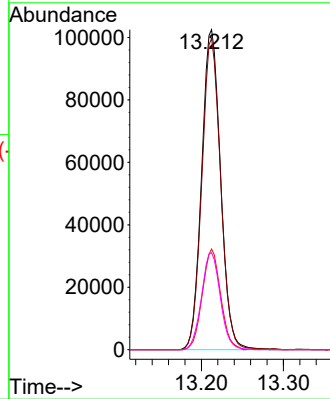
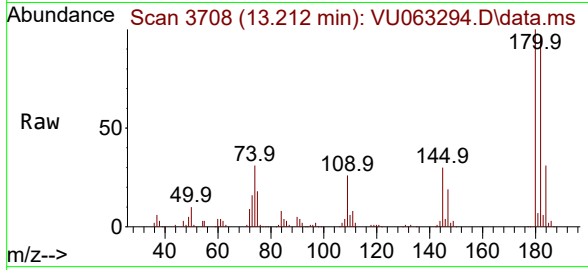




#69
 1,3,5-Trichlorobenzene
 Concen: 55.07 ug/L
 RT: 13.212 min Scan# 3708
 Delta R.T. 0.000 min
 Lab File: VU063294.D
 Acq: 17 Mar 2025 14:55

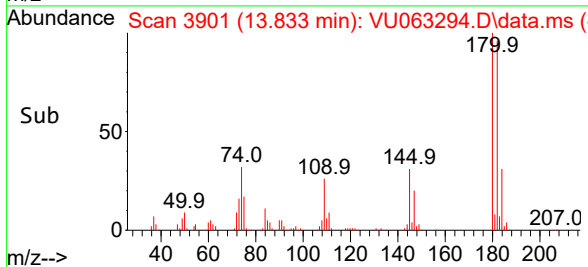
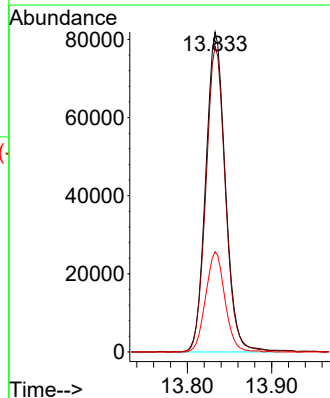
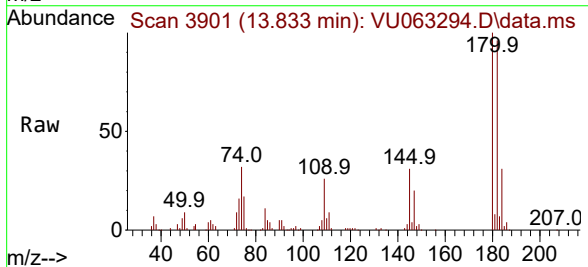
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050102

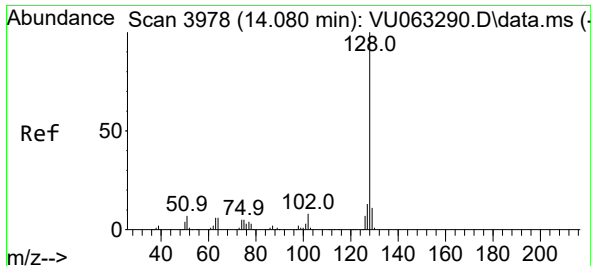
Tgt Ion:	180	Resp:	164620
Ion Ratio	Lower	Upper	
180	100		
182	96.1	77.2	115.8
184	30.4	24.3	36.5
145	30.0	23.9	35.9



#70
 1,2,4-trichlorobenzene
 Concen: 57.48 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.000 min
 Lab File: VU063294.D
 Acq: 17 Mar 2025 14:55

Tgt Ion:	180	Resp:	132848
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.8	113.8
145	30.6	24.0	36.0

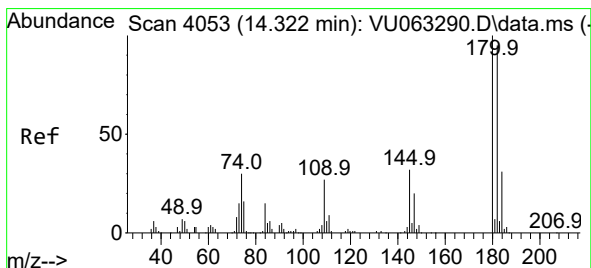
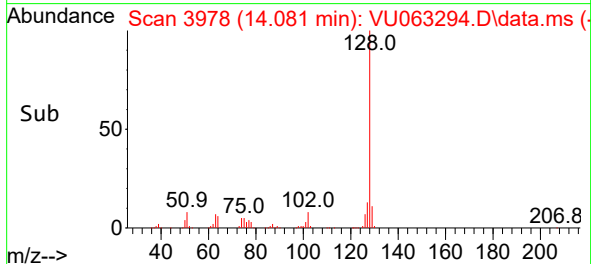
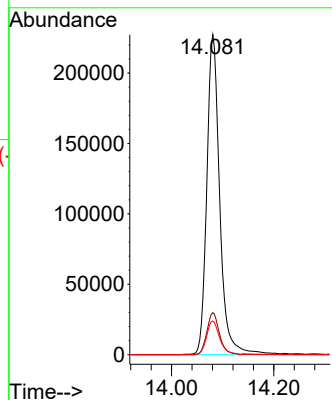
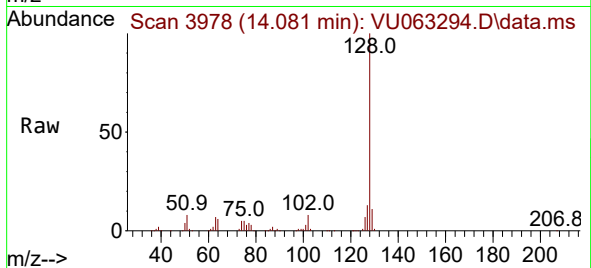




#71
Naphthalene
Concen: 62.78 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.001 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

Tgt Ion:128 Resp: 399273
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 58.32 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU063294.D
Acq: 17 Mar 2025 14:55

Tgt Ion:180 Resp: 131738
Ion Ratio Lower Upper
180 100
182 93.7 77.3 115.9
145 32.6 25.7 38.5

