

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063297.D
 Acq On : 17 Mar 2025 17:41
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

Quant Time: Mar 21 09:30:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 09:28:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	282766	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	274659	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	139795	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.593	65	108949	46.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.26%
7) Chloroethane-d5	1.895	69	90920	46.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.68%
11) 1,1-Dichloroethene-d2	2.554	63	196276	47.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.86%
21) 2-Butanone-d5	4.608	46	168833	99.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.01%
24) Chloroform-d	5.049	84	209001	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	5.689	65	128416	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
32) Benzene-d6	5.715	84	421106	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
36) 1,2-Dichloropropane-d6	6.679	67	133290	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.10%
41) Toluene-d8	7.888	98	382630	49.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.88%
43) trans-1,3-Dichloroprop...	8.168	79	59677	48.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.14%
47) 2-Hexanone-d5	8.621	63	109659	103.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.13%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	202404	48.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.16%
66) 1,2-Dichlorobenzene-d4	12.184	152	135262	47.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.70%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	119038	50.27	ug/L	100
3) Chloromethane	1.519	50	128913	48.53	ug/L	99
5) Vinyl chloride	1.599	62	133236	49.22	ug/L	97
6) Bromomethane	1.834	94	74252	48.84	ug/L	98
8) Chloroethane	1.917	64	79531	48.11	ug/L	100
9) Trichlorofluoromethane	2.126	101	158235	50.61	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	97537	51.03	ug/L	98
12) 1,1-Dichloroethene	2.567	96	93637	51.14	ug/L	98
13) Acetone	2.615	43	112379	97.04	ug/L	98
14) Carbon disulfide	2.779	76	286434	49.10	ug/L	99
15) Methyl Acetate	2.937	43	130616	51.48	ug/L #	100
16) Methylene chloride	3.030	84	112896	50.24	ug/L	98
17) trans-1,2-Dichloroethene	3.342	96	96969	50.04	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	312037	50.39	ug/L	99
19) 1,1-Dichloroethane	3.853	63	196617	49.52	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	113086	50.84	ug/L	98
22) 2-Butanone	4.689	43	175673	104.51	ug/L	97
23) Bromochloromethane	4.959	128	58081	50.94	ug/L	98
25) Chloroform	5.071	83	201352	50.39	ug/L	98

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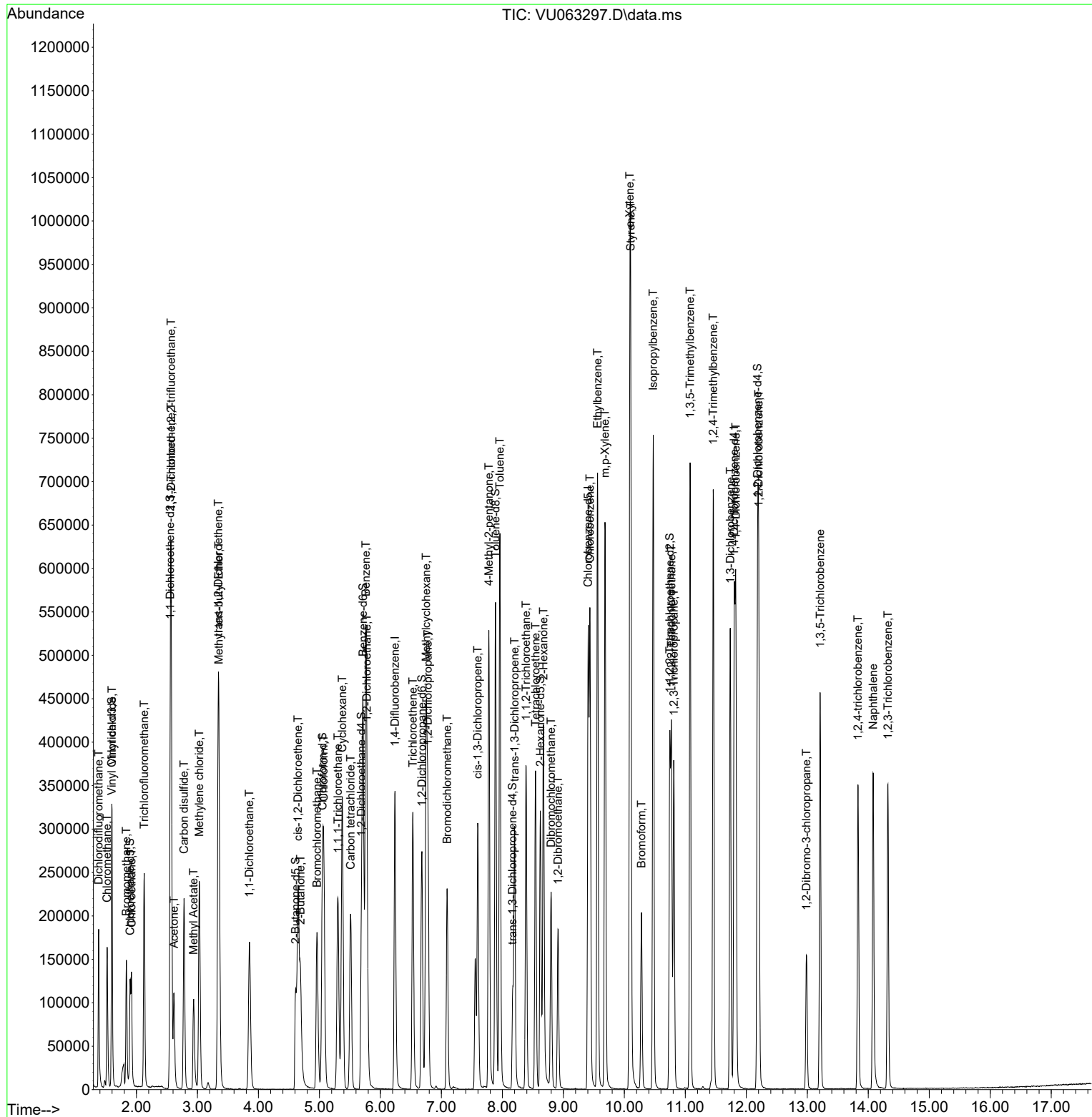
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	157946	50.33	ug/L	100
29) Cyclohexane	5.374	56	165634	51.90	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	163348	50.97	ug/L	98
31) Carbon tetrachloride	5.512	117	137693	51.58	ug/L	99
33) Benzene	5.760	78	451223	52.10	ug/L	100
34) Trichloroethene	6.531	95	112583	51.01	ug/L	95
35) Methylcyclohexane	6.750	83	168830	53.59	ug/L	98
37) 1,2-Dichloropropane	6.779	63	121377	50.00	ug/L	99
38) Bromodichloromethane	7.094	83	150672	50.48	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	181220	50.96	ug/L	99
40) 4-Methyl-2-pentanone	7.779	43	335981	106.43	ug/L	99
42) Toluene	7.959	91	473427	52.85	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	171287	52.13	ug/L	99
45) 1,1,2-Trichloroethane	8.386	97	117323	50.91	ug/L	97
46) Tetrachloroethene	8.544	164	82168	52.75	ug/L	96
48) 2-Hexanone	8.673	43	258889	107.57	ug/L	99
49) Dibromochloromethane	8.798	129	116130	51.94	ug/L	99
50) 1,2-Dibromoethane	8.911	107	124629	51.79	ug/L	100
51) Chlorobenzene	9.435	112	290561	51.51	ug/L	99
52) Ethylbenzene	9.560	91	497574	53.07	ug/L	99
53) m,p-Xylene	9.682	106	185928	53.68	ug/L	99
54) o-Xylene	10.091	106	183394	54.32	ug/L	96
55) Styrene	10.103	104	310035	55.62	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	206954	51.65	ug/L	97
59) Bromoform	10.280	173	92075	49.94	ug/L	100
60) 1,2,3-Trichloropropane	10.811	75	158717	48.92	ug/L	100
61) Isopropylbenzene	10.473	105	481033	52.46	ug/L	100
62) 1,3,5-Trimethylbenzene	11.078	105	380879	52.65	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	372212	53.65	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	218556	50.50	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	218623	49.73	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	217293	49.81	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	41744	49.32	ug/L	98
69) 1,3,5-Trichlorobenzene	13.209	180	143466	49.27	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	108103	48.02	ug/L	98
71) Naphthalene	14.081	128	308496	49.80	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	109563	49.80	ug/L	99

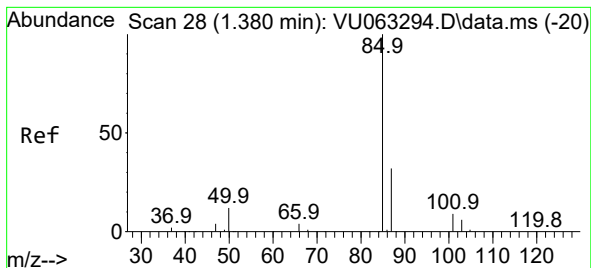
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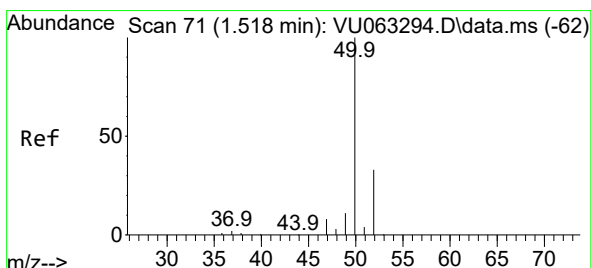
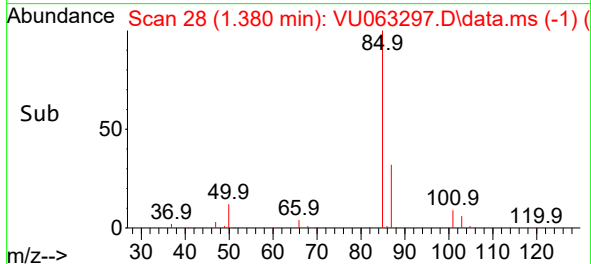
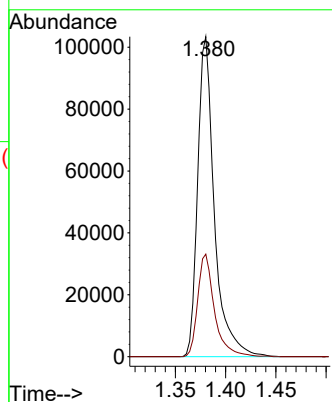
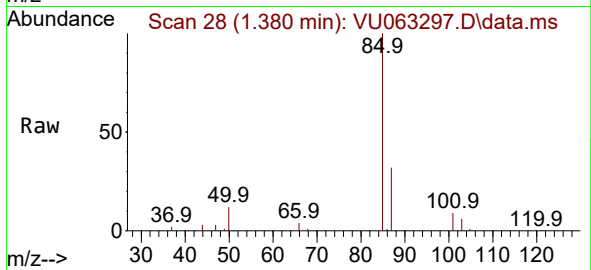




#2
Dichlorodifluoromethane
Concen: 50.27 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

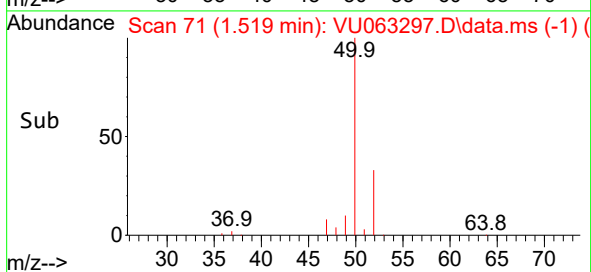
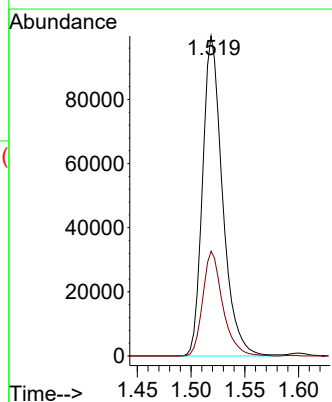
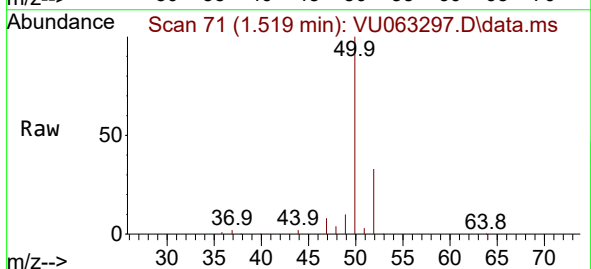
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MSVOA_U
ClientSampleId :
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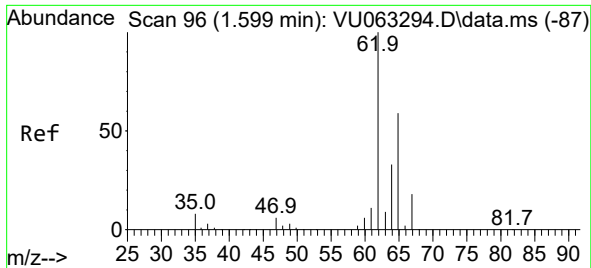
Tgt Ion: 85 Resp: 119038
Ion Ratio Lower Upper
85 100
87 32.2 25.8 38.6



#3
Chloromethane
Concen: 48.53 ug/L
RT: 1.519 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 50 Resp: 128913
Ion Ratio Lower Upper
50 100
52 32.7 23.2 43.0

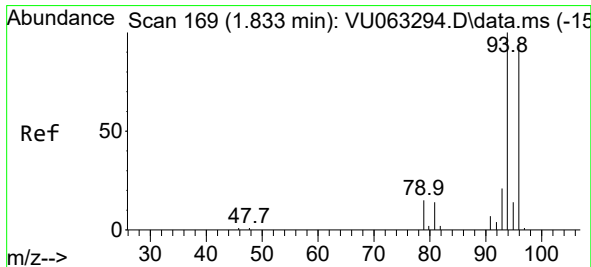
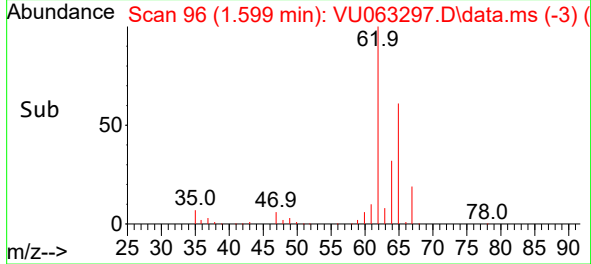
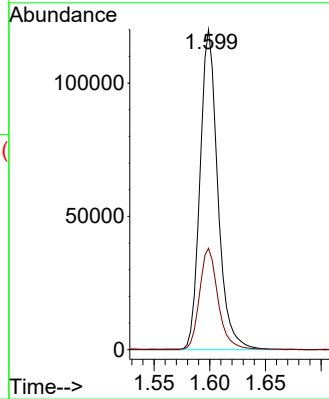
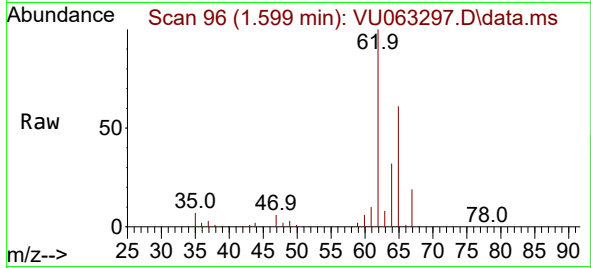




#5
 Vinyl chloride
 Concen: 49.22 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063297.D
 Acq: 17 Mar 2025 17:41

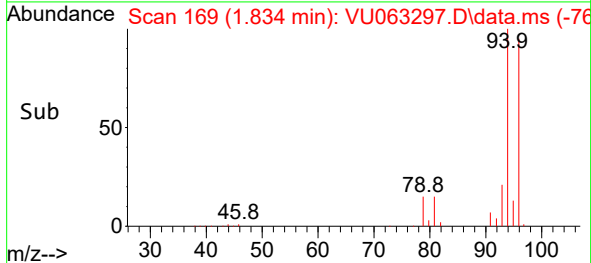
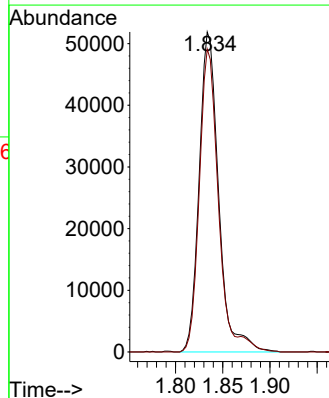
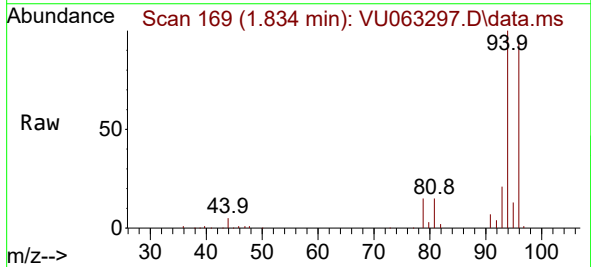
Instrument :
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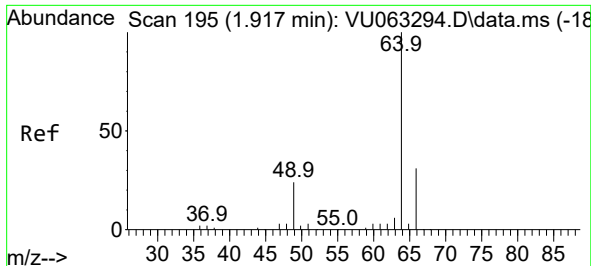
Tgt Ion: 62 Resp: 133236
 Ion Ratio Lower Upper
 62 100
 64 31.7 23.2 43.2



#6
 Bromomethane
 Concen: 48.84 ug/L
 RT: 1.834 min Scan# 169
 Delta R.T. 0.000 min
 Lab File: VU063297.D
 Acq: 17 Mar 2025 17:41

Tgt Ion: 94 Resp: 74252
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.2 121.2

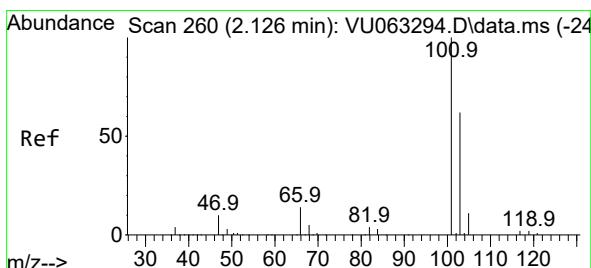
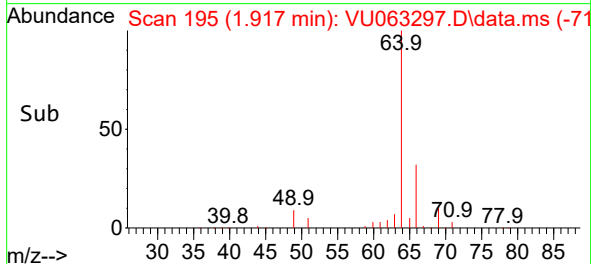
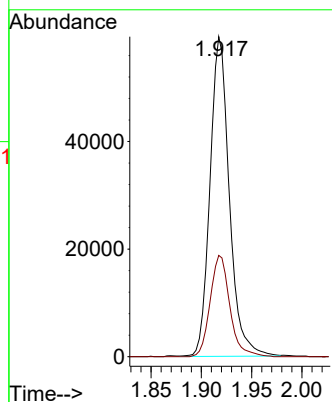
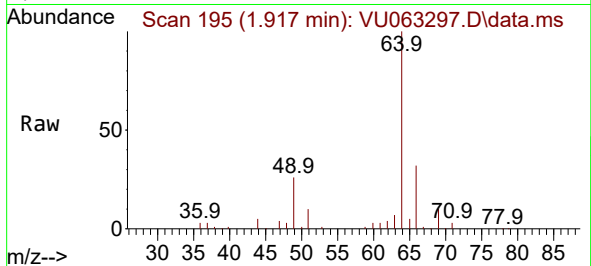




#8
Chloroethane
Concen: 48.11 ug/L
RT: 1.917 min Scan# 195
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

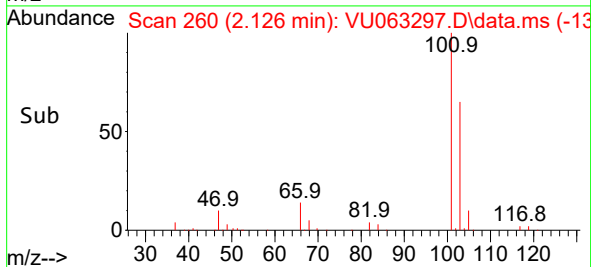
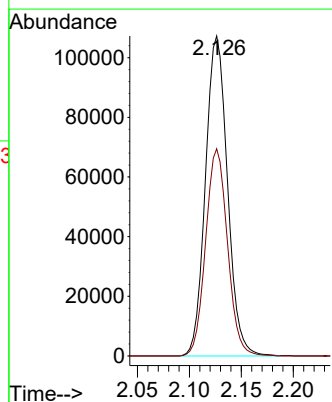
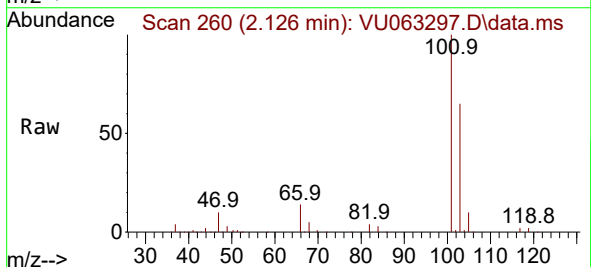
Instrument :
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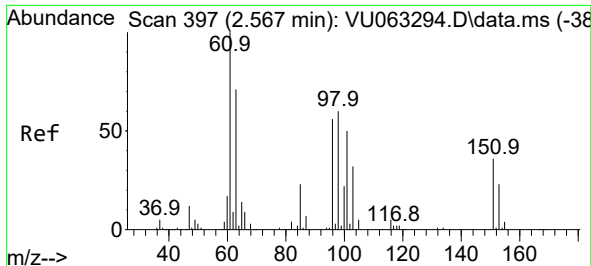
Tgt Ion: 64 Resp: 79531
Ion Ratio Lower Upper
64 100
66 31.6 22.0 41.0



#9
Trichlorofluoromethane
Concen: 50.61 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion:101 Resp: 158235
Ion Ratio Lower Upper
101 100
103 64.2 51.2 76.8

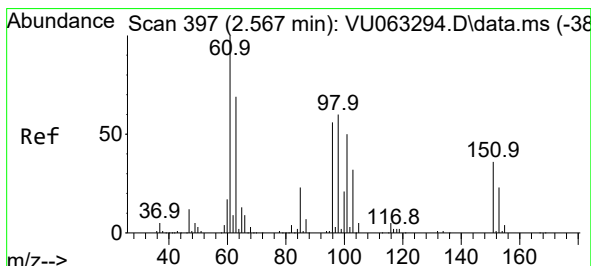
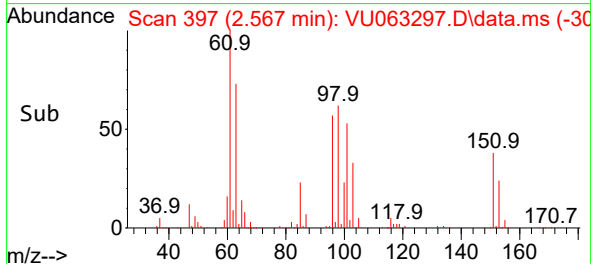
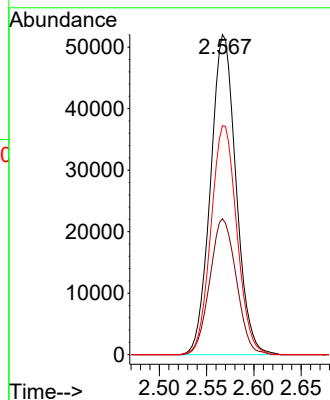
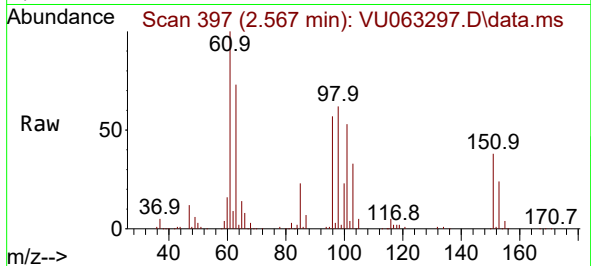




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 51.03 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

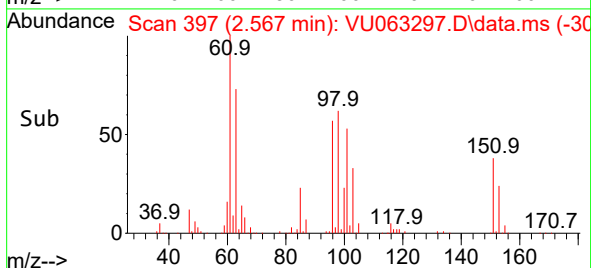
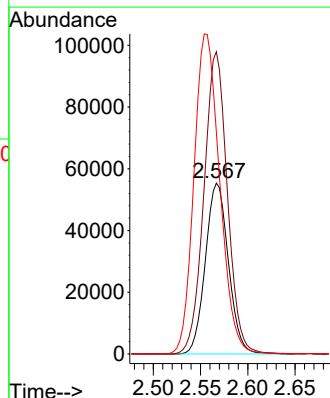
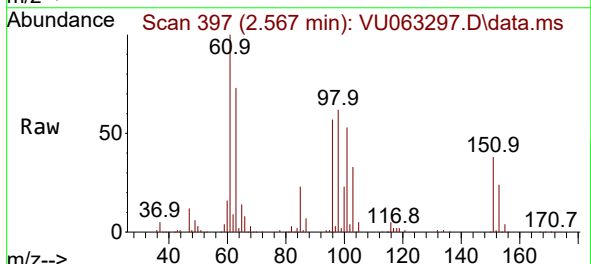
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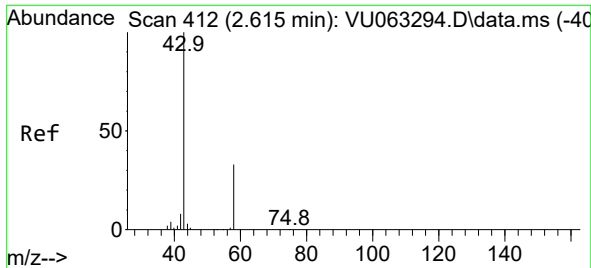
Tgt Ion:101 Resp: 97537
Ion Ratio Lower Upper
101 100
85 44.1 36.5 54.7
151 72.8 57.4 86.0



#12
1,1-Dichloroethene
Concen: 51.14 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 96 Resp: 93637
Ion Ratio Lower Upper
96 100
61 176.9 121.9 226.5
63 129.8 93.2 173.0

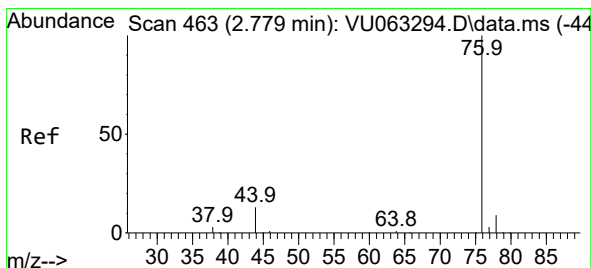
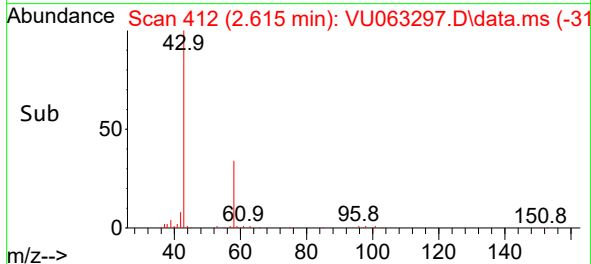
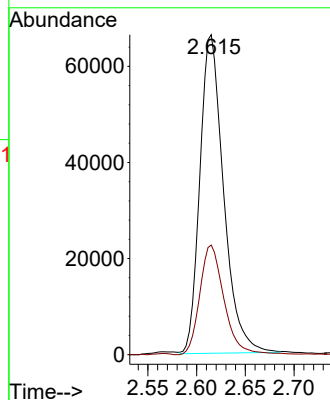
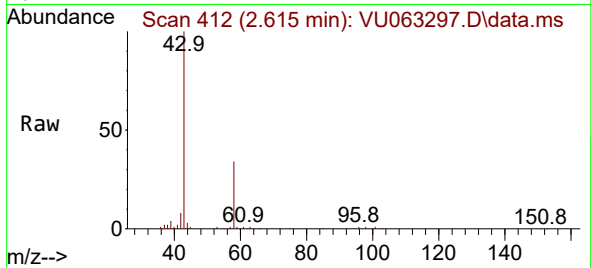




#13
Acetone
Concen: 97.04 ug/L
RT: 2.615 min Scan# 412
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

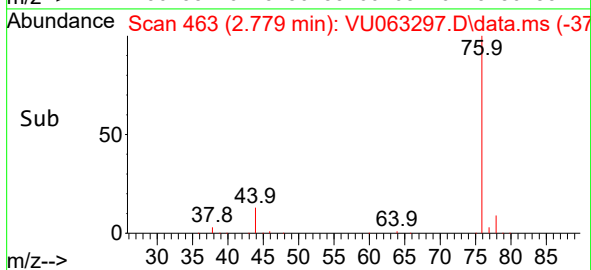
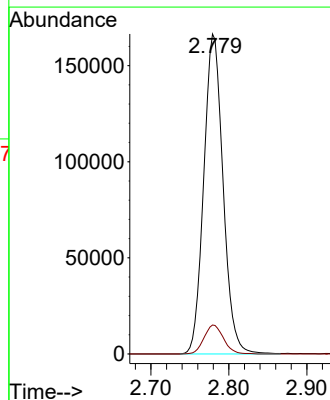
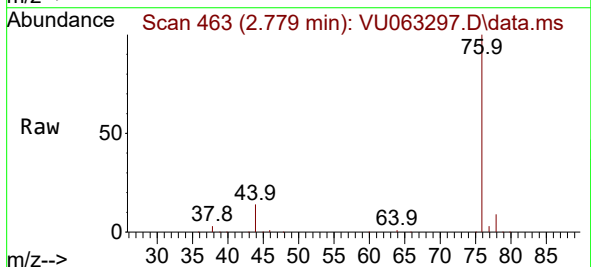
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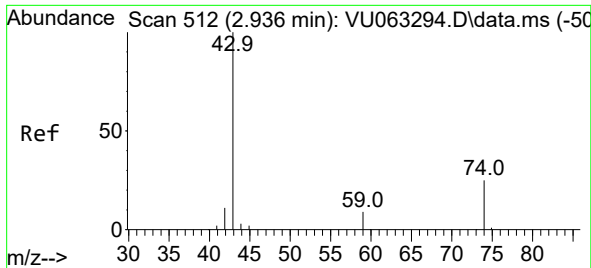
Tgt Ion: 43 Resp: 112379
Ion Ratio Lower Upper
43 100
58 35.2 0.0 68.4



#14
Carbon disulfide
Concen: 49.10 ug/L
RT: 2.779 min Scan# 463
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 76 Resp: 286434
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

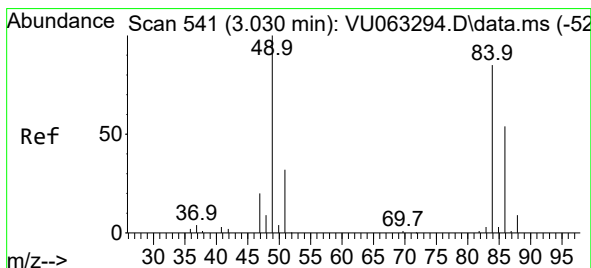
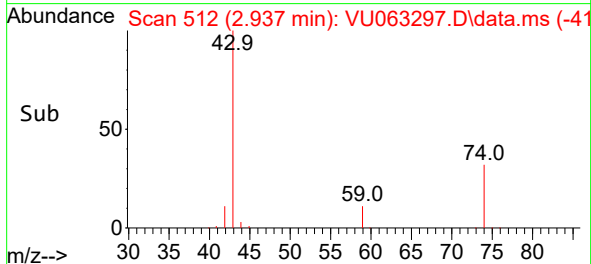
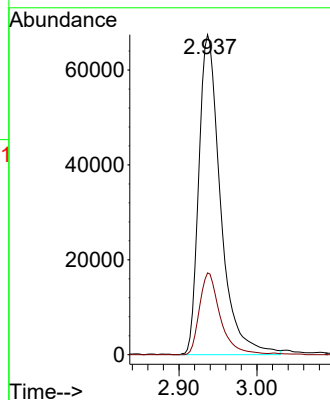
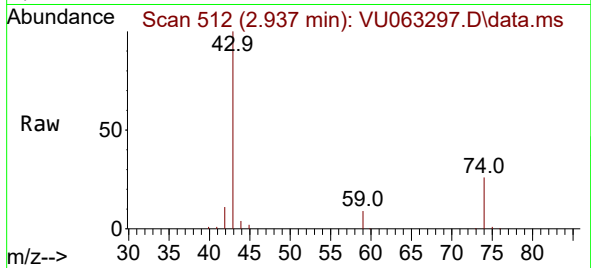




#15
Methyl Acetate
Concen: 51.48 ug/L
RT: 2.937 min Scan# 512
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

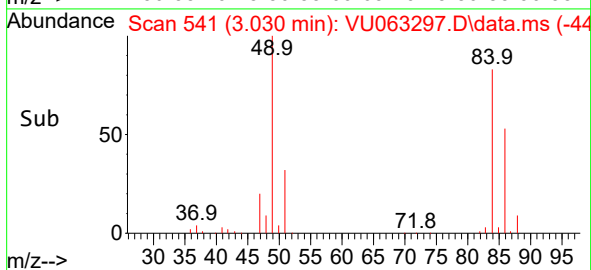
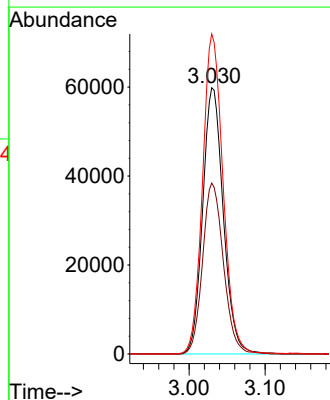
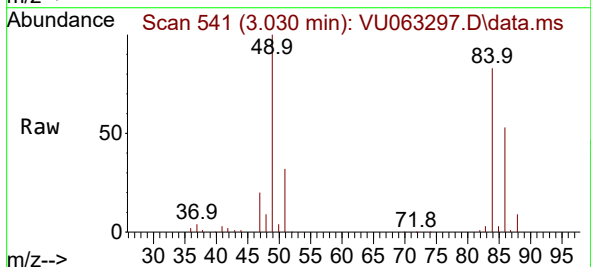
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

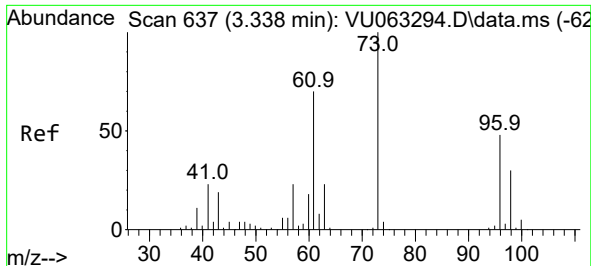
Tgt Ion: 43 Resp: 130616
Ion Ratio Lower Upper
43 100
74 24.4 0.0 0.0#



#16
Methylene chloride
Concen: 50.24 ug/L
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 84 Resp: 112896
Ion Ratio Lower Upper
84 100
86 64.2 44.4 82.5
49 120.2 86.3 160.3

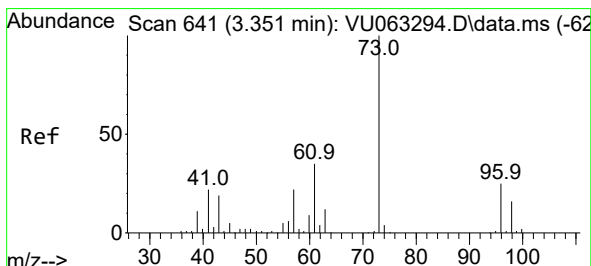
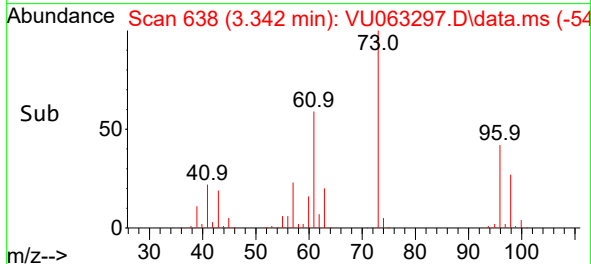
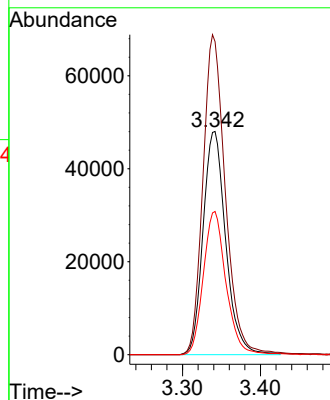
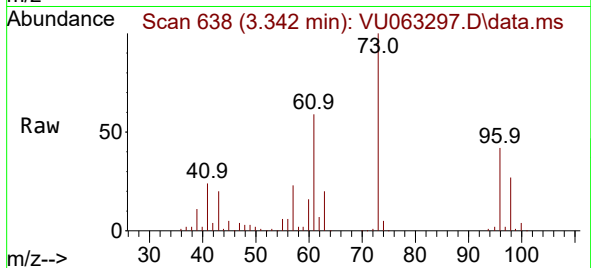




#17
trans-1,2-Dichloroethene
Concen: 50.04 ug/L
RT: 3.342 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

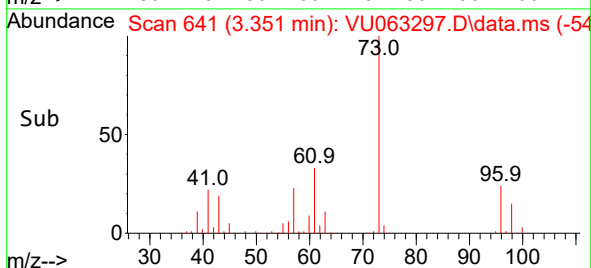
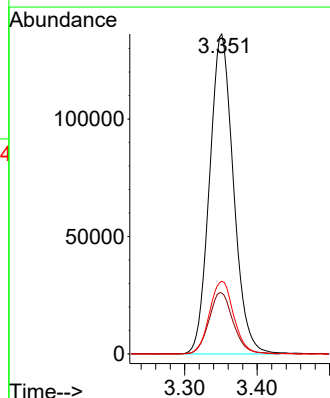
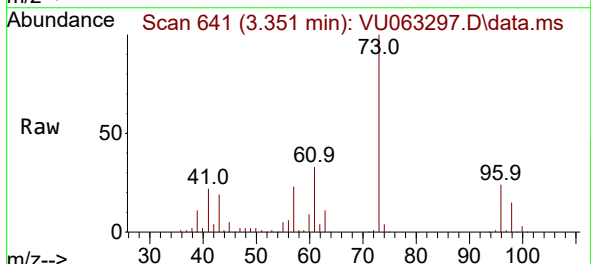
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

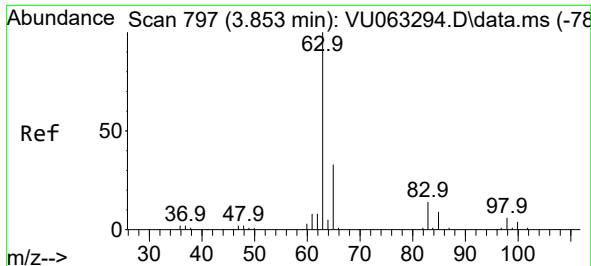
Tgt Ion: 96 Resp: 96969
Ion Ratio Lower Upper
96 100
61 140.2 100.1 185.9
98 64.1 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 50.39 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 73 Resp: 312037
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.2
57 23.1 18.3 27.5

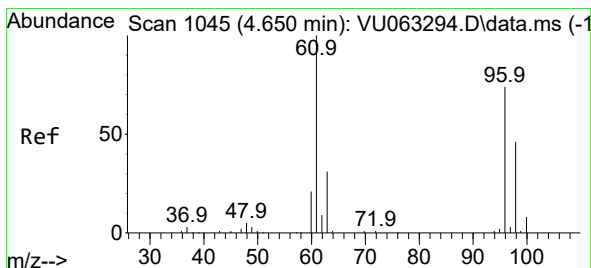
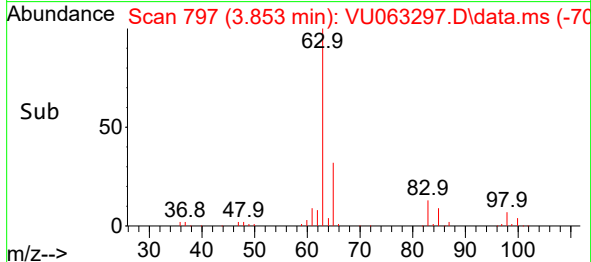
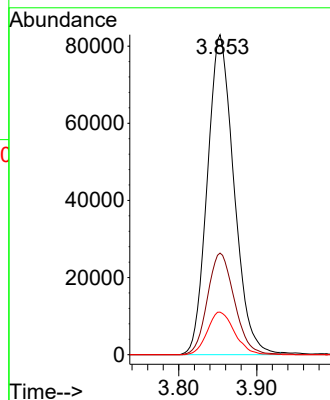
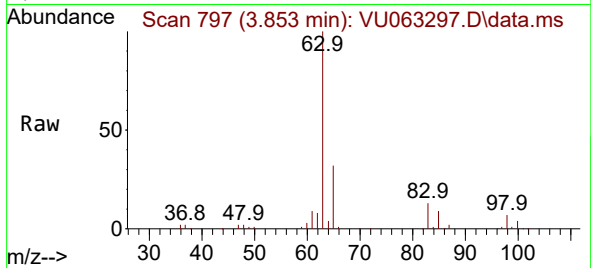




#19
1,1-Dichloroethane
Concen: 49.52 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

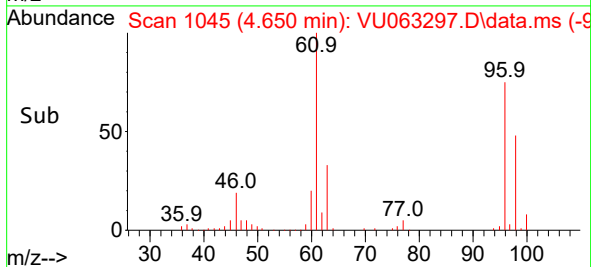
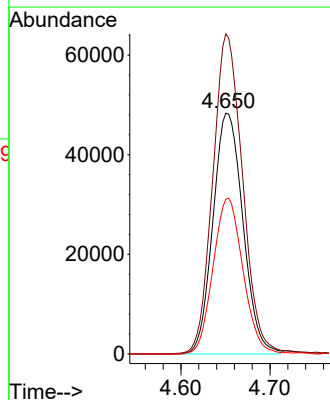
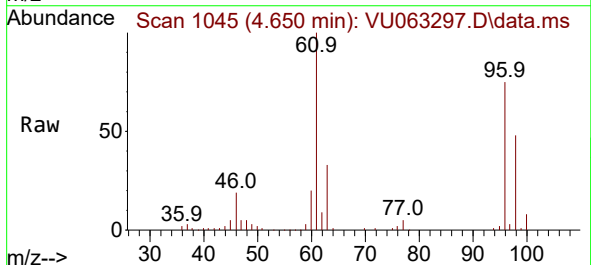
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

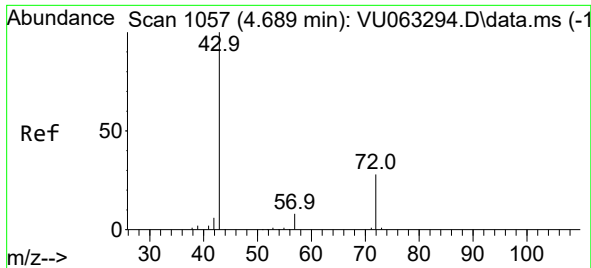
Tgt Ion: 63 Resp: 196617
Ion Ratio Lower Upper
63 100
65 31.8 21.9 40.7
83 13.3 9.0 16.6



#20
cis-1,2-Dichloroethene
Concen: 50.84 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 96 Resp: 113086
Ion Ratio Lower Upper
96 100
61 132.9 91.6 170.0
98 64.2 44.0 81.8

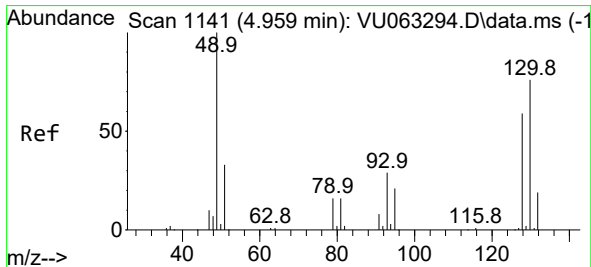
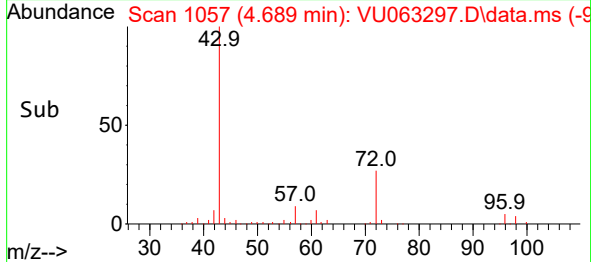
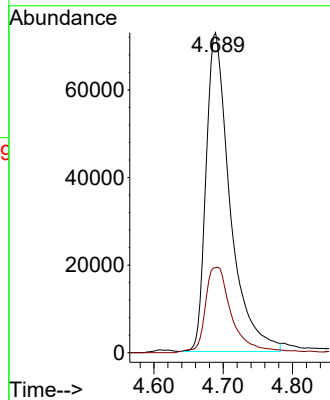
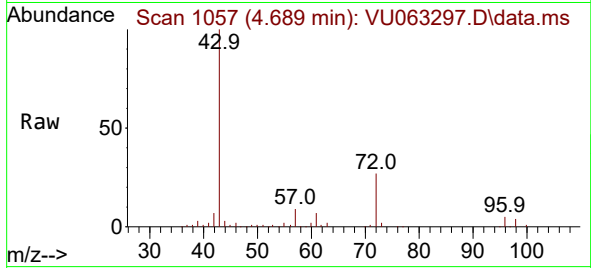




#22
2-Butanone
Concen: 104.51 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

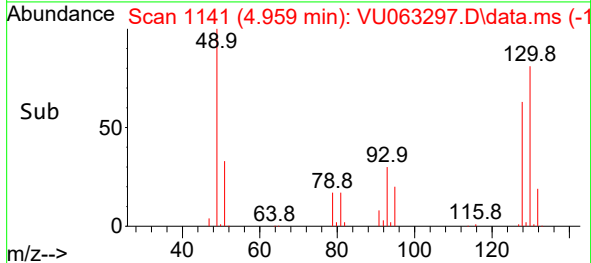
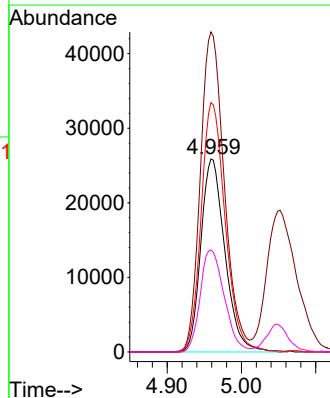
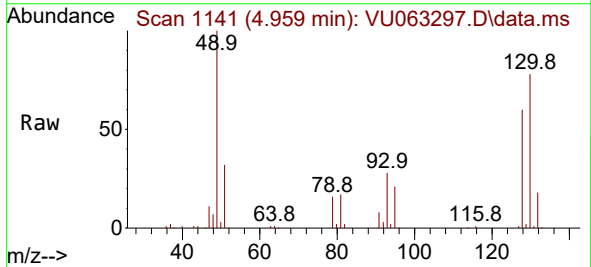
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

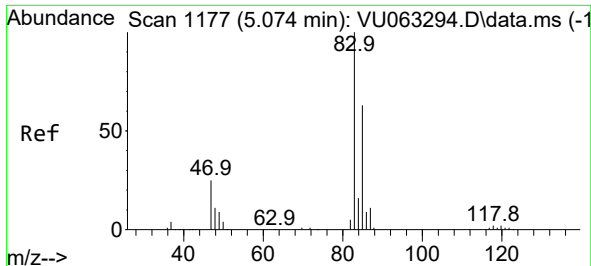
Tgt Ion: 43 Resp: 175673
Ion Ratio Lower Upper
43 100
72 29.3 15.4 46.4



#23
Bromochloromethane
Concen: 50.94 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion:128 Resp: 58081
Ion Ratio Lower Upper
128 100
49 165.8 118.2 219.6
130 129.1 89.2 165.8
51 52.9 43.6 65.4





#25

Chloroform

Concen: 50.39 ug/L

RT: 5.071 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU063297.D

Acq: 17 Mar 2025 17:41

Instrument :

MSVOA_U

ClientSampleId :

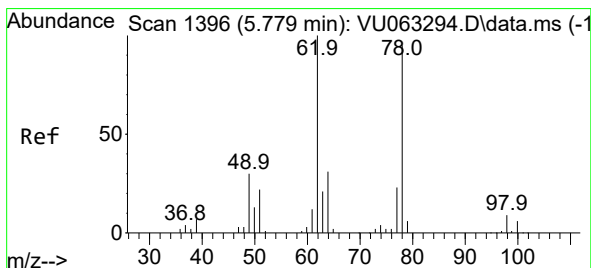
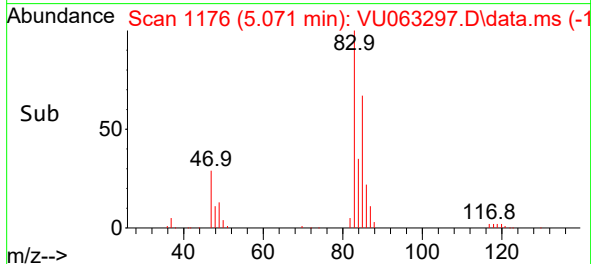
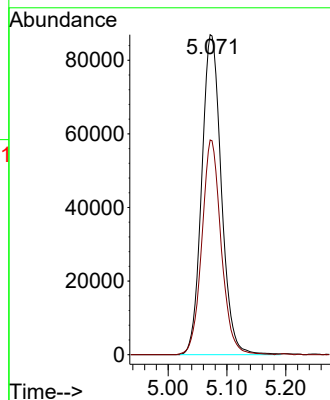
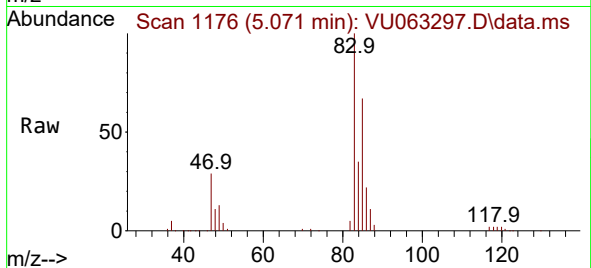
VSTD050103

Tgt Ion: 83 Resp: 201352

Ion Ratio Lower Upper

83 100

85 67.1 45.9 85.3



#27

1,2-Dichloroethane

Concen: 50.33 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VU063297.D

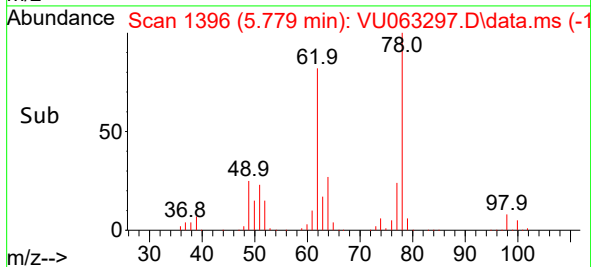
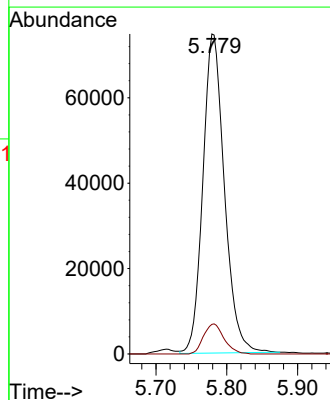
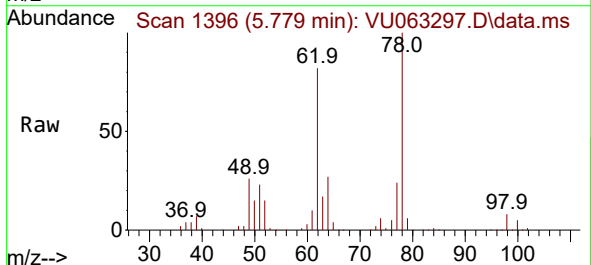
Acq: 17 Mar 2025 17:41

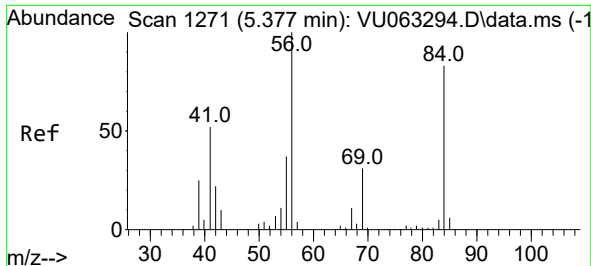
Tgt Ion: 62 Resp: 157946

Ion Ratio Lower Upper

62 100

98 9.3 7.5 11.3





#29

Cyclohexane

Concen: 51.90 ug/L

RT: 5.374 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU063297.D

Acq: 17 Mar 2025 17:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

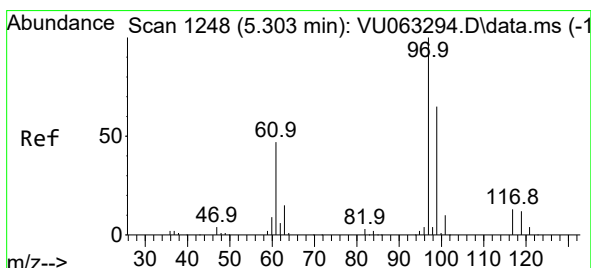
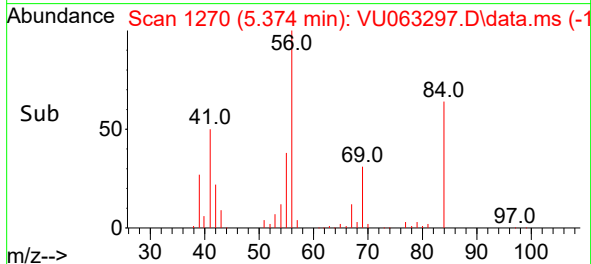
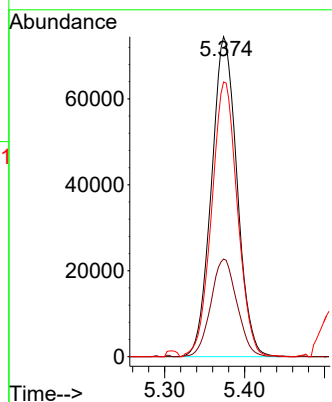
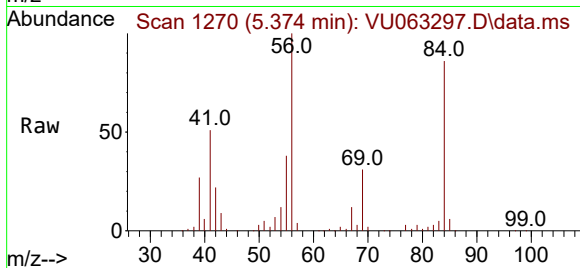
Tgt Ion: 56 Resp: 165634

Ion Ratio Lower Upper

56 100

69 31.1 24.2 36.4

84 86.3 67.2 100.8



#30

1,1,1-Trichloroethane

Concen: 50.97 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VU063297.D

Acq: 17 Mar 2025 17:41

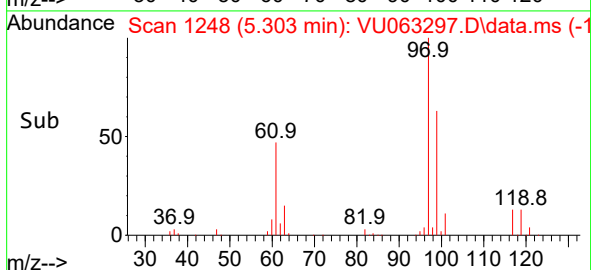
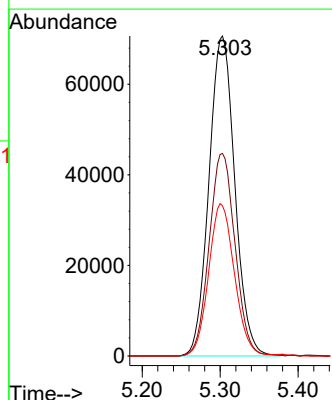
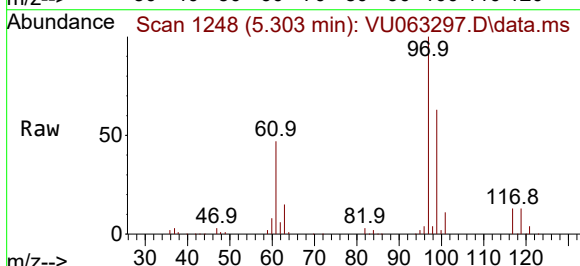
Tgt Ion: 97 Resp: 163348

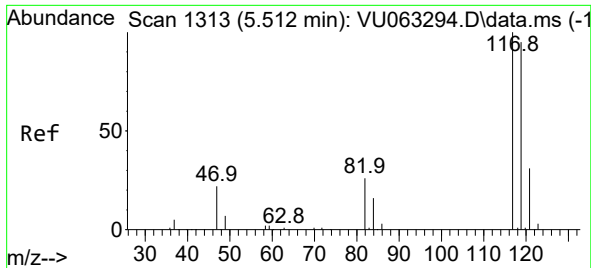
Ion Ratio Lower Upper

97 100

99 63.4 52.1 78.1

61 47.4 38.6 57.8

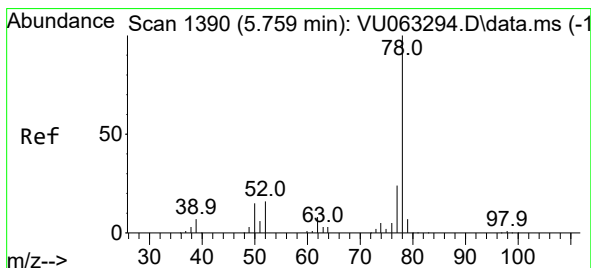
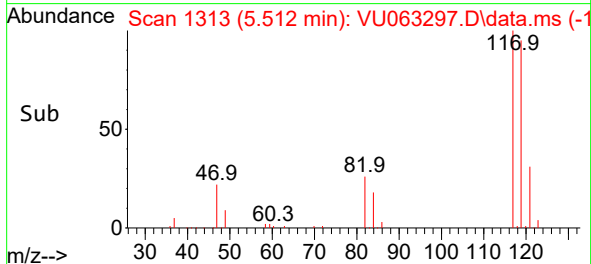
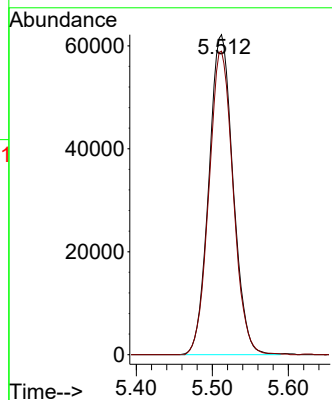
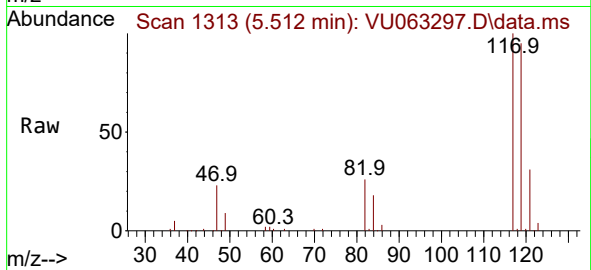




#31
Carbon tetrachloride
Concen: 51.58 ug/L
RT: 5.512 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

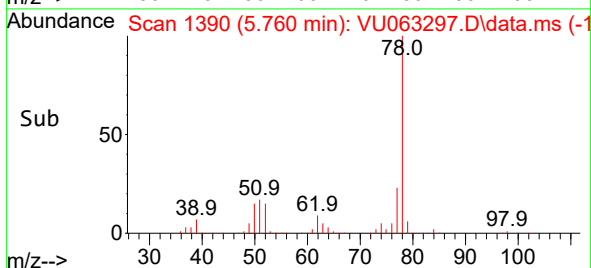
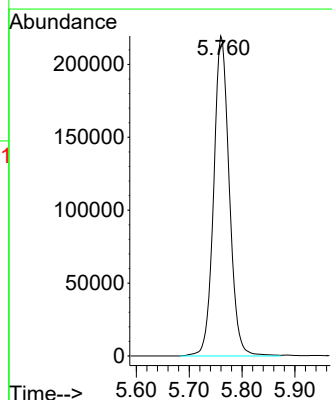
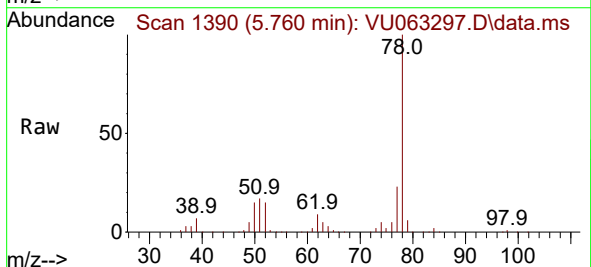
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

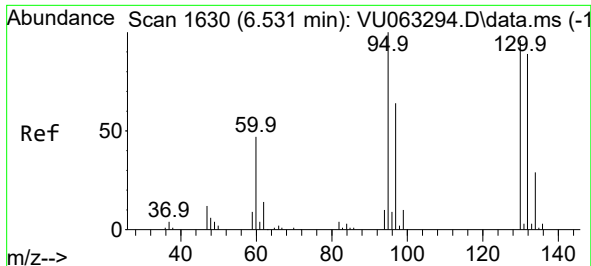
Tgt Ion:117 Resp: 137693
Ion Ratio Lower Upper
117 100
119 94.8 76.3 114.5



#33
Benzene
Concen: 52.10 ug/L
RT: 5.760 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 78 Resp: 451223

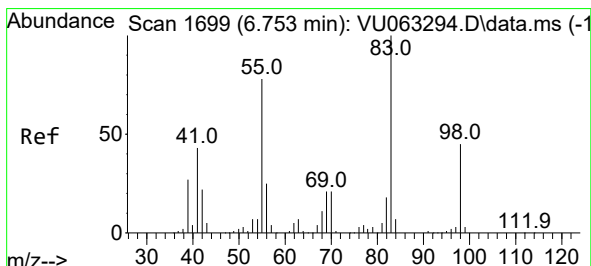
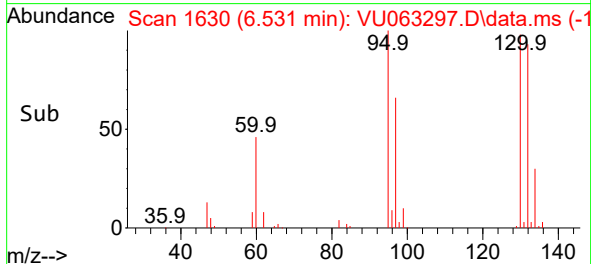
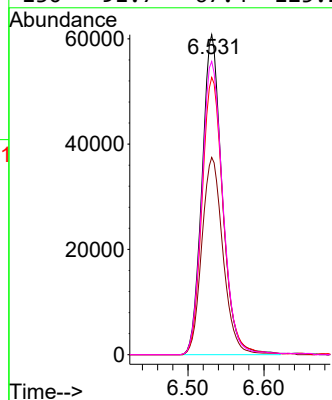
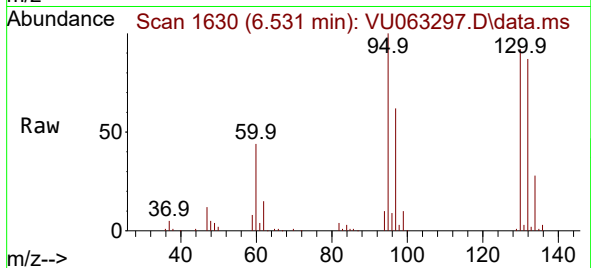




#34
Trichloroethene
Concen: 51.01 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

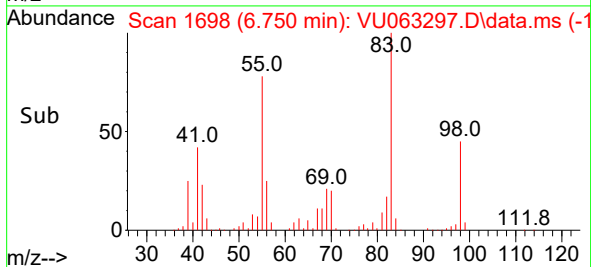
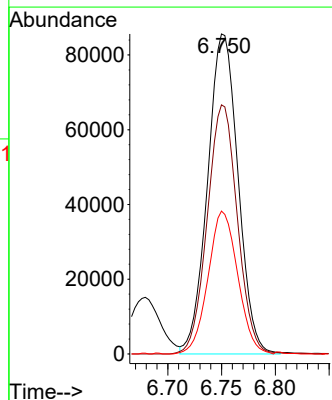
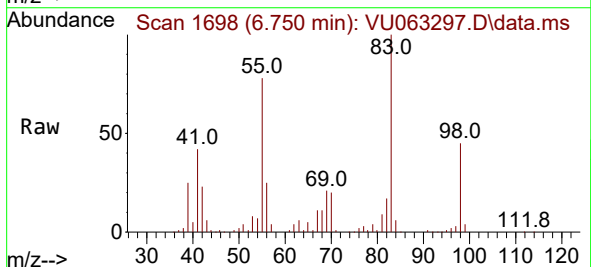
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

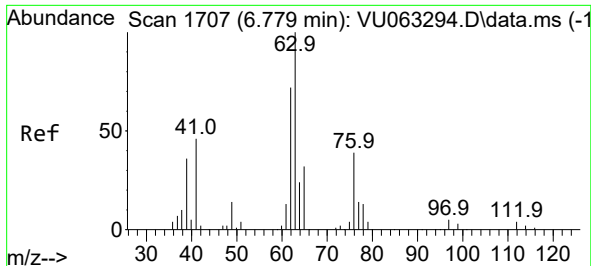
Tgt Ion: 95 Resp: 112583
Ion Ratio Lower Upper
95 100
97 61.7 44.6 82.8
132 86.6 65.3 121.3
130 91.7 67.4 125.2



#35
Methylcyclohexane
Concen: 53.59 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 83 Resp: 168830
Ion Ratio Lower Upper
83 100
55 76.9 63.4 95.2
98 43.4 35.2 52.8





#37

1,2-Dichloropropane

Concen: 50.00 ug/L

RT: 6.779 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063297.D

Acq: 17 Mar 2025 17:41

Instrument :

MSVOA_U

ClientSampleId :

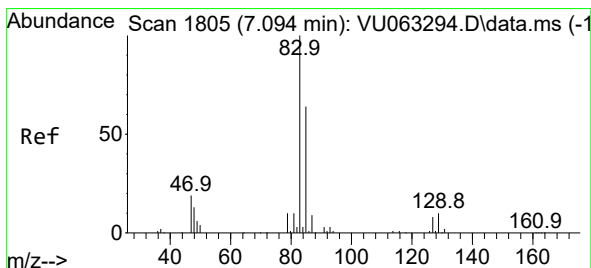
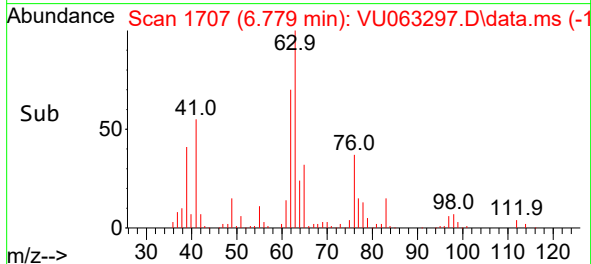
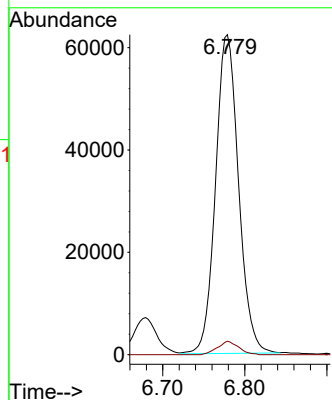
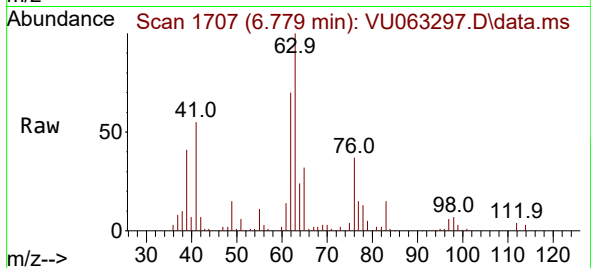
VSTD050103

Tgt Ion: 63 Resp: 121377

Ion Ratio Lower Upper

63 100

112 3.9 2.9 4.3



#38

Bromodichloromethane

Concen: 50.48 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063297.D

Acq: 17 Mar 2025 17:41

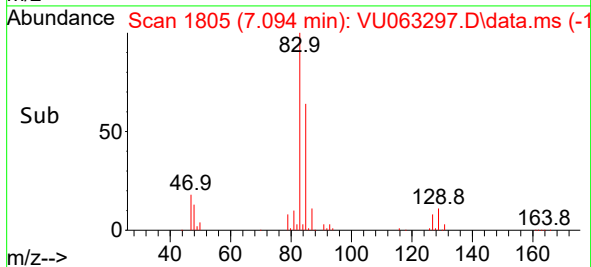
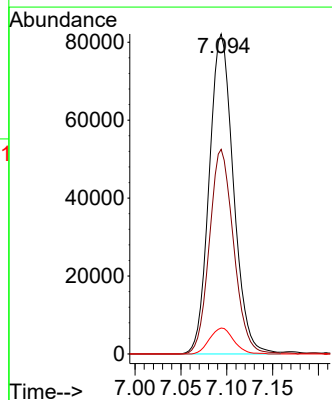
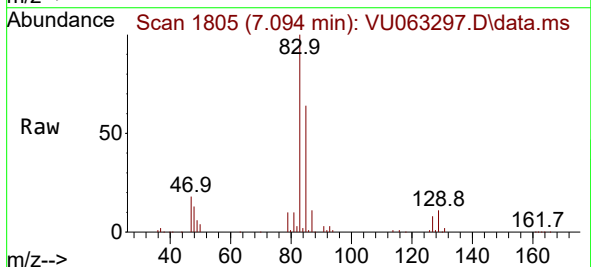
Tgt Ion: 83 Resp: 150672

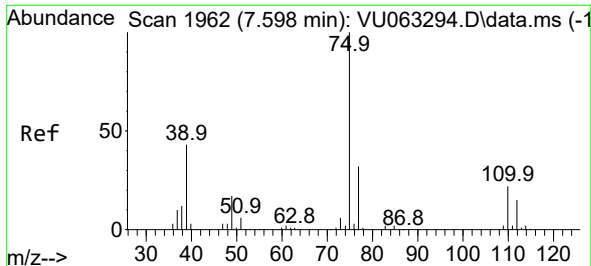
Ion Ratio Lower Upper

83 100

85 63.9 45.3 84.1

127 8.1 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 50.96 ug/L

RT: 7.595 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU063297.D

Acq: 17 Mar 2025 17:41

Instrument :

MSVOA_U

ClientSampleId :

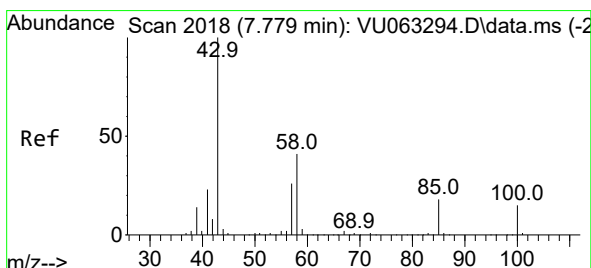
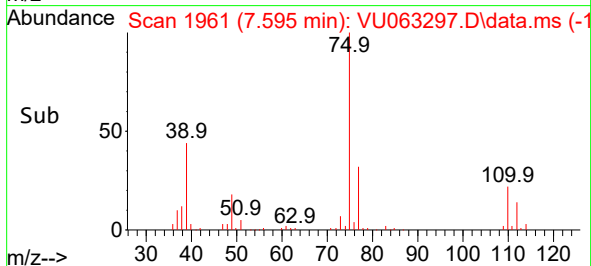
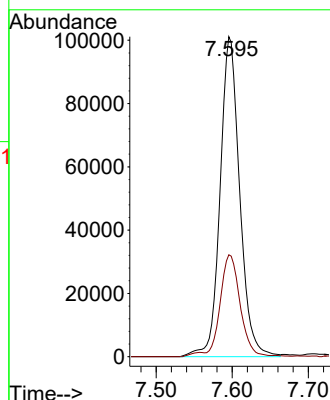
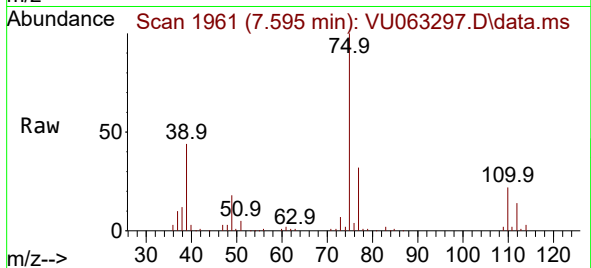
VSTD050103

Tgt Ion: 75 Resp: 181220

Ion Ratio Lower Upper

75 100

77 31.9 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 106.43 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU063297.D

Acq: 17 Mar 2025 17:41

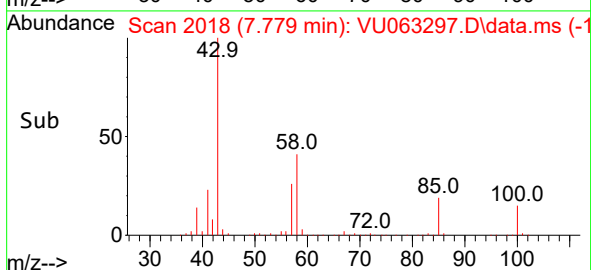
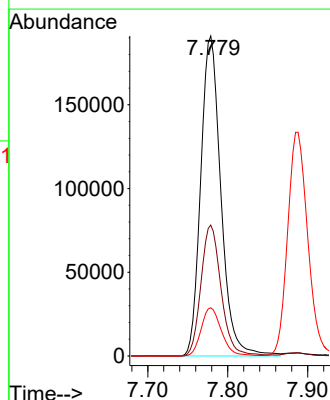
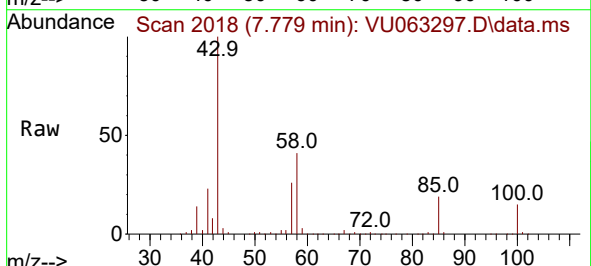
Tgt Ion: 43 Resp: 335981

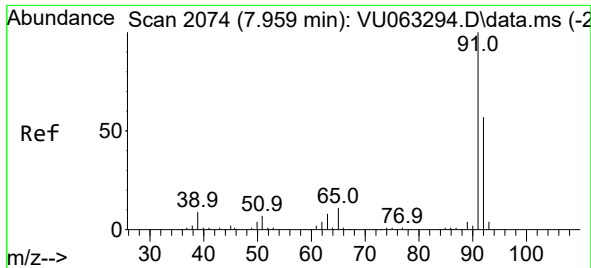
Ion Ratio Lower Upper

43 100

58 40.8 33.0 49.6

100 15.2 11.9 17.9





#42

Toluene

Concen: 52.85 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063297.D

Acq: 17 Mar 2025 17:41

Instrument :

MSVOA_U

ClientSampleId :

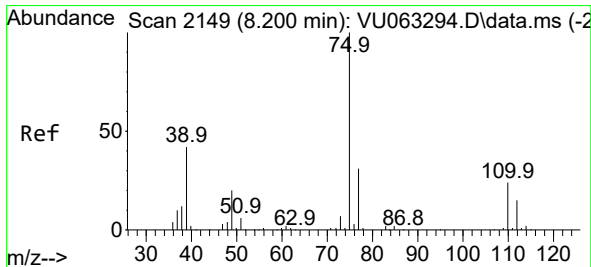
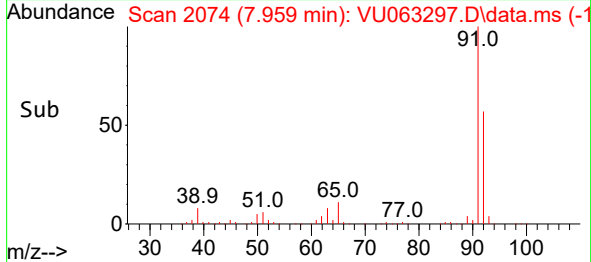
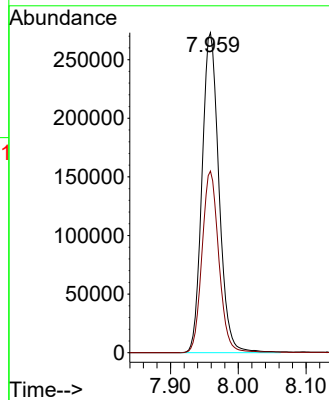
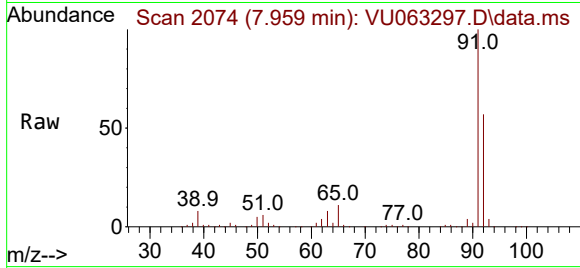
VSTD050103

Tgt Ion: 91 Resp: 473427

Ion Ratio Lower Upper

91 100

92 56.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 52.13 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063297.D

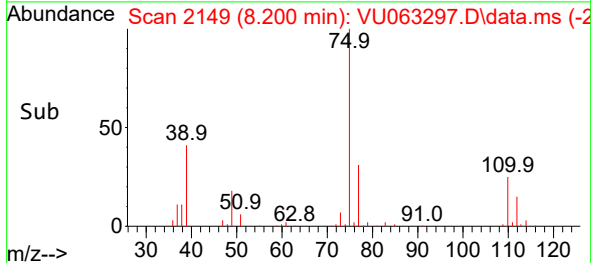
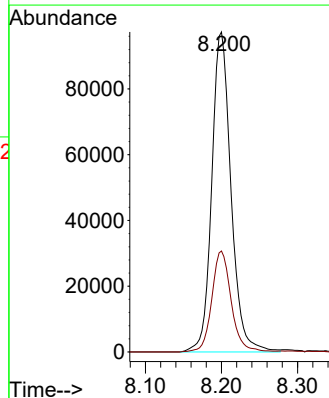
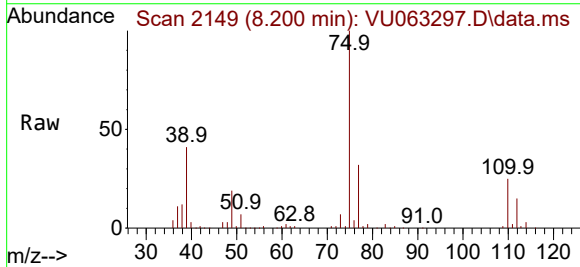
Acq: 17 Mar 2025 17:41

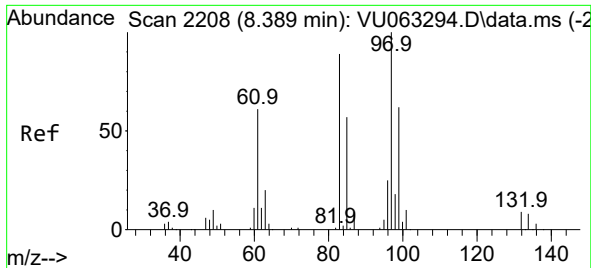
Tgt Ion: 75 Resp: 171287

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



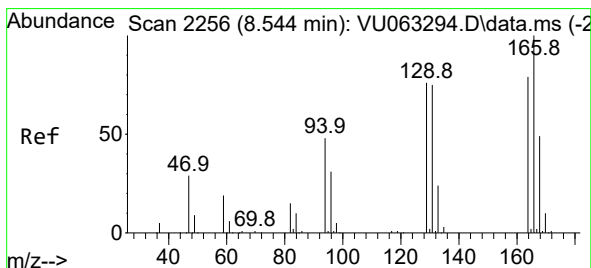
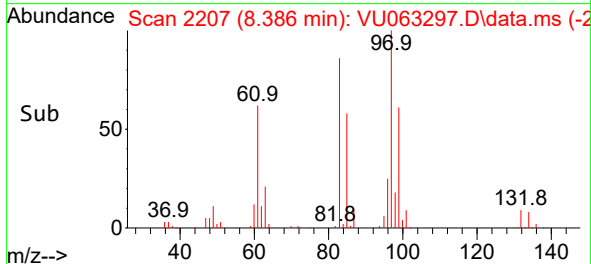
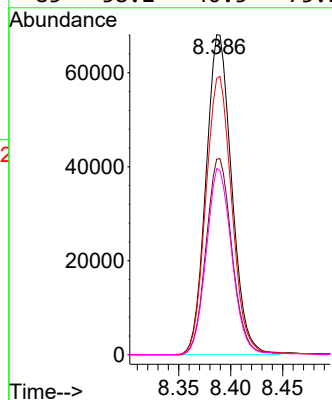
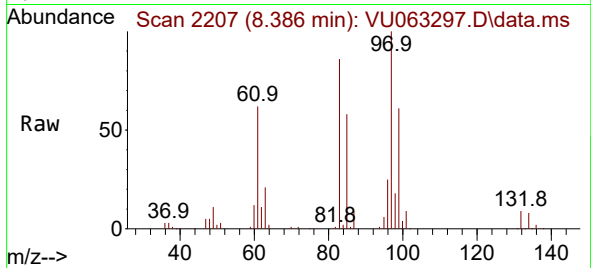


#45
1,1,2-Trichloroethane
Concen: 50.91 ug/L
RT: 8.386 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

Tgt Ion: 97 Resp: 117323

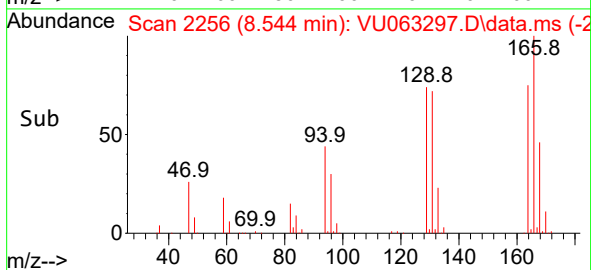
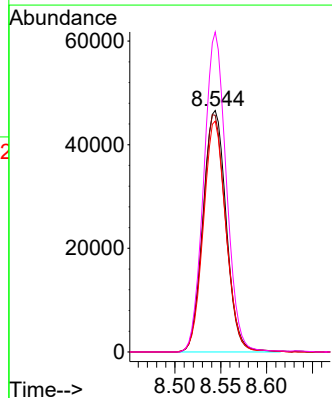
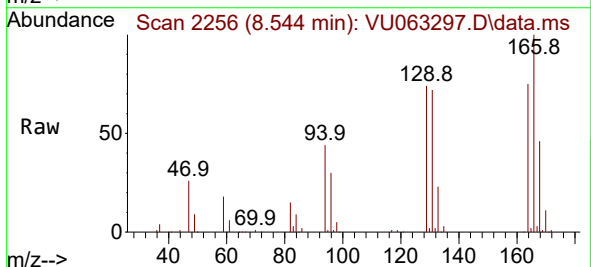
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.4	82.4
83	86.4	63.3	117.5
85	58.2	40.5	75.1

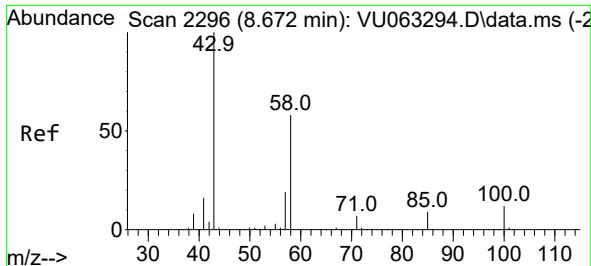


#46
Tetrachloroethene
Concen: 52.75 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 164 Resp: 82168

Ion	Ratio	Lower	Upper
164	100		
129	98.0	67.8	125.8
131	95.6	64.3	119.5
166	132.5	87.6	162.6

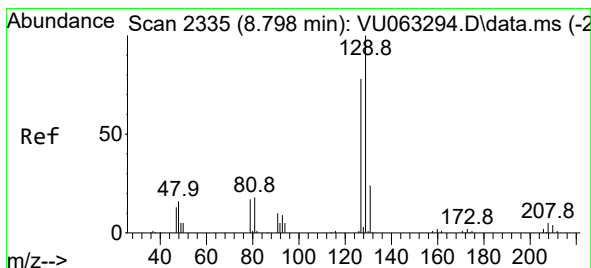
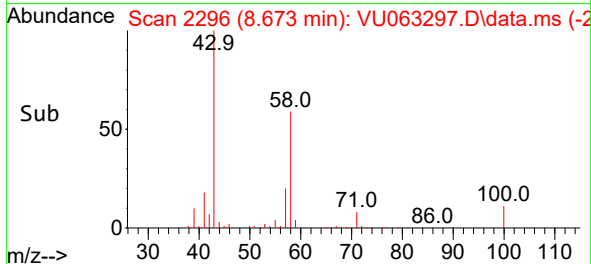
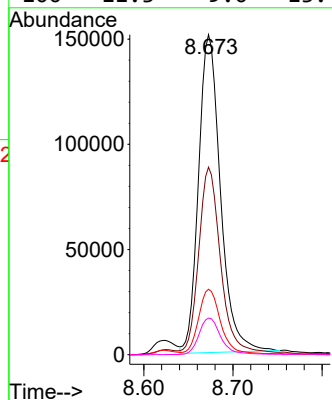
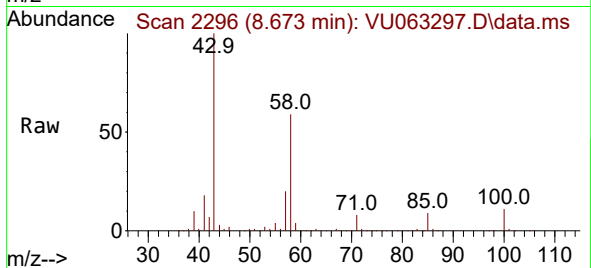




#48
2-Hexanone
Concen: 107.57 ug/L
RT: 8.673 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

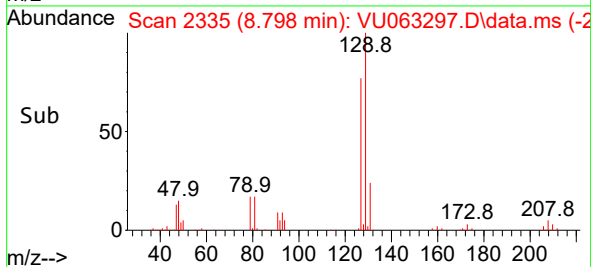
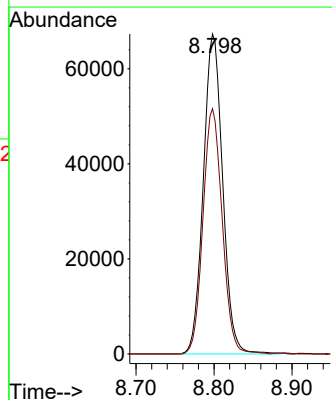
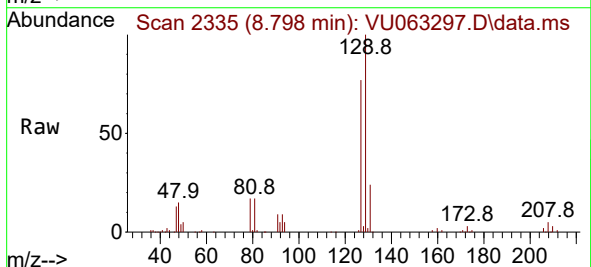
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

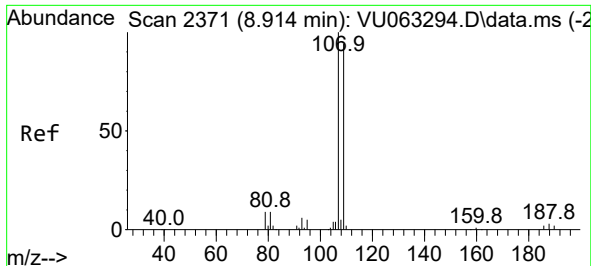
Tgt Ion:	43	Resp:	258889
Ion	Ratio	Lower	Upper
43	100		
58	57.9	46.6	69.8
57	20.3	15.8	23.6
100	11.3	9.0	13.4



#49
Dibromochloromethane
Concen: 51.94 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion:	129	Resp:	116130
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.0	100.4

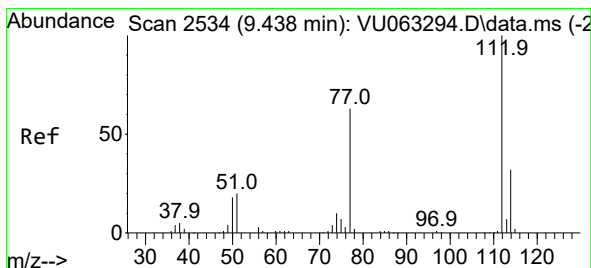
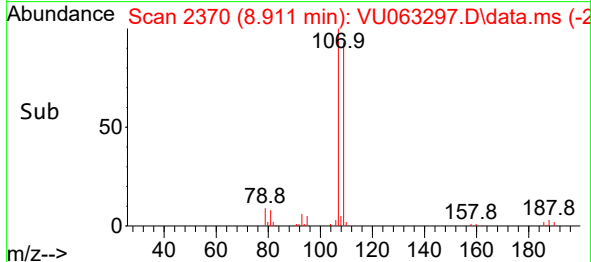
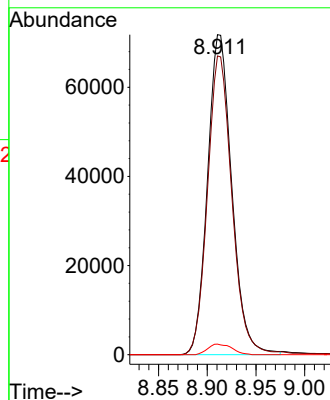
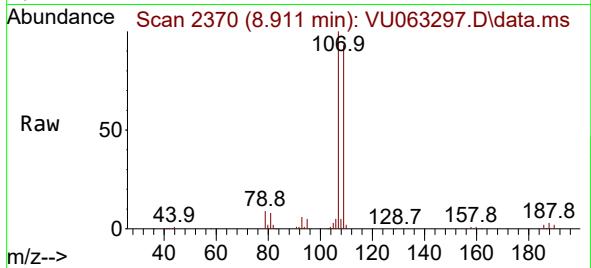




#50
1,2-Dibromoethane
Concen: 51.79 ug/L
RT: 8.911 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

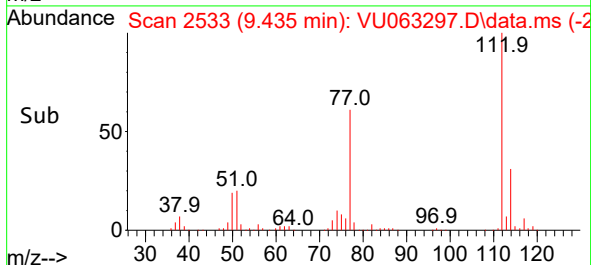
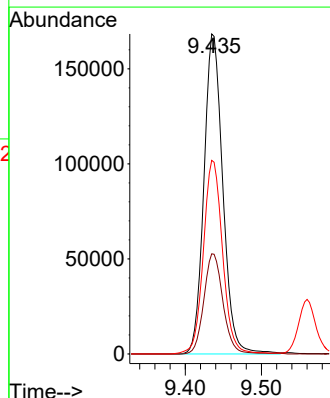
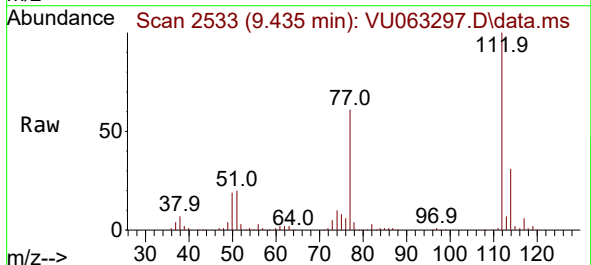
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

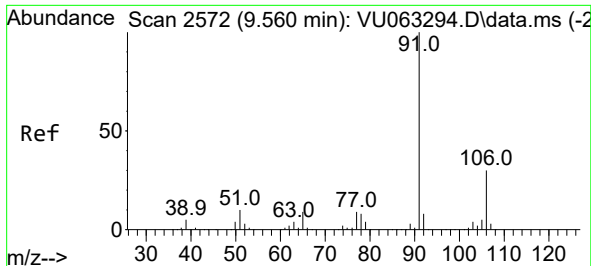
Tgt Ion:107 Resp: 124629
Ion Ratio Lower Upper
107 100
109 93.4 65.2 121.0
188 3.3 2.5 3.7



#51
Chlorobenzene
Concen: 51.51 ug/L
RT: 9.435 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion:112 Resp: 290561
Ion Ratio Lower Upper
112 100
114 31.3 22.3 41.5
77 60.5 48.7 73.1

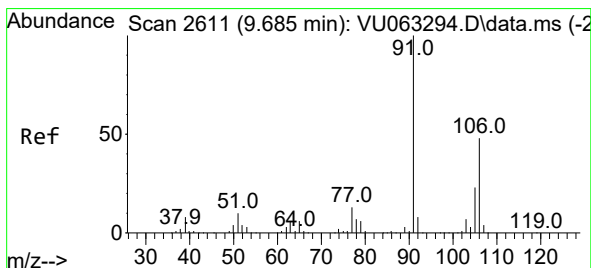
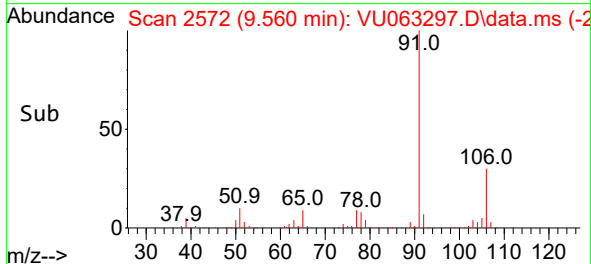
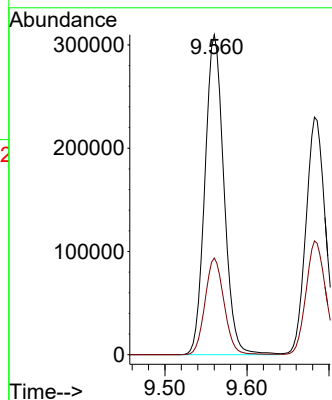
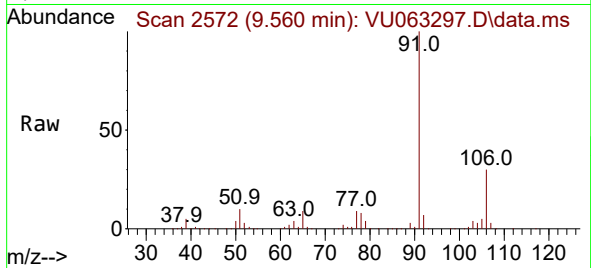




#52
Ethylbenzene
Concen: 53.07 ug/L
RT: 9.560 min Scan# 2100
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

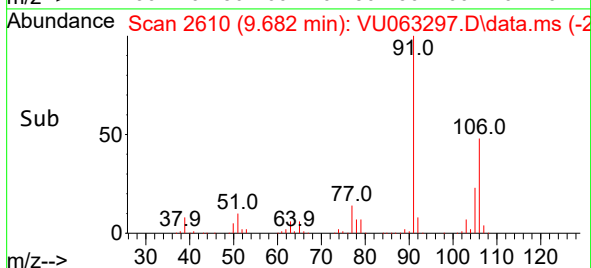
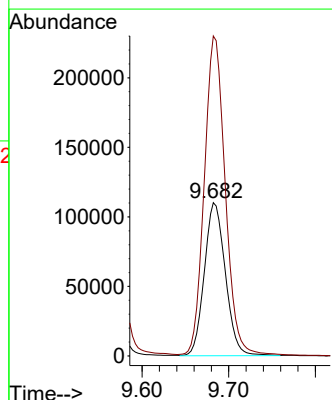
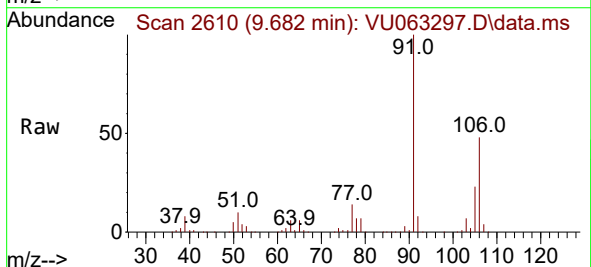
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

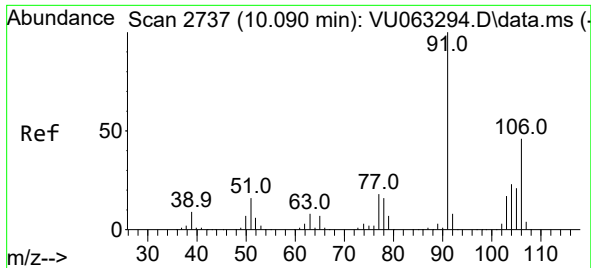
Tgt Ion: 91 Resp: 497574
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 53.68 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 106 Resp: 185928
Ion Ratio Lower Upper
106 100
91 208.8 147.3 273.6

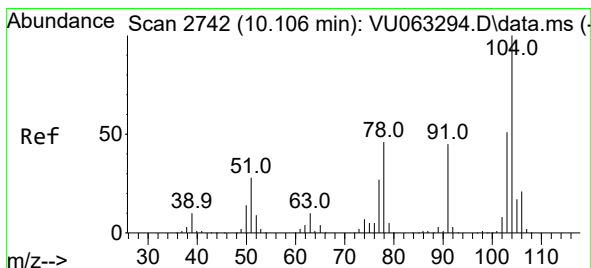
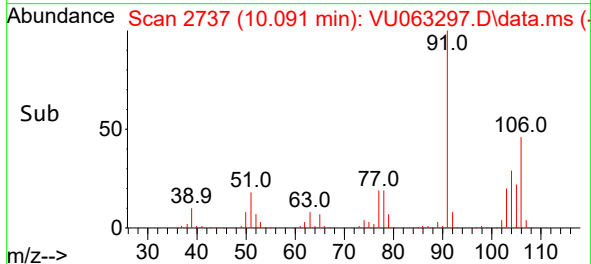
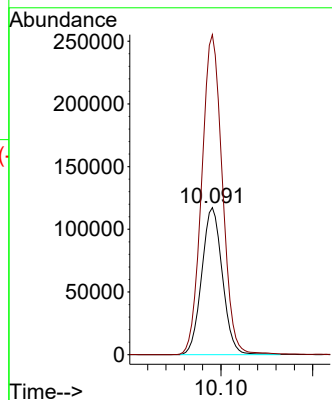
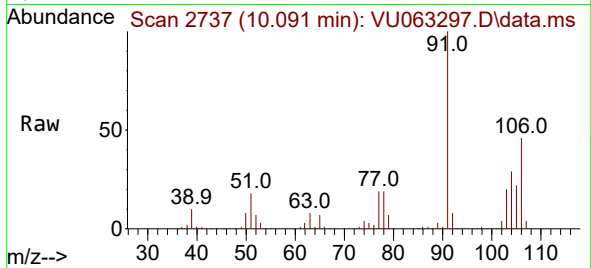




#54
o-Xylene
Concen: 54.32 ug/L
RT: 10.091 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

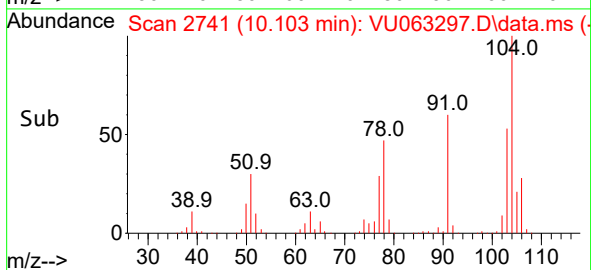
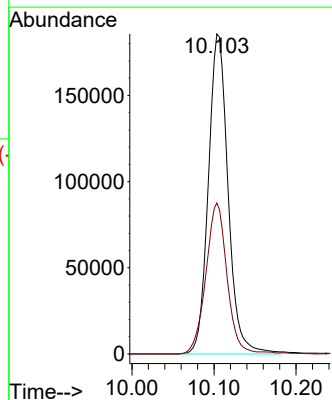
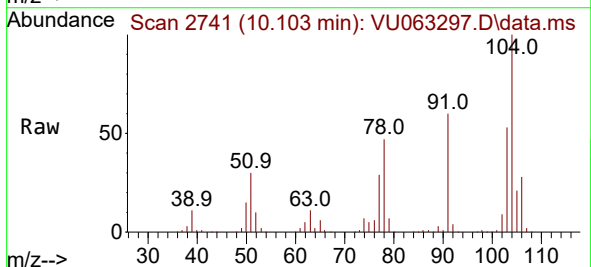
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

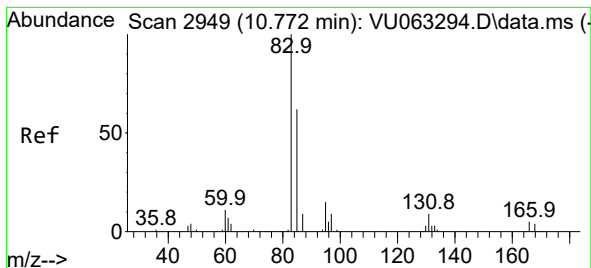
Tgt Ion:106 Resp: 183394
Ion Ratio Lower Upper
106 100
91 217.7 156.7 291.1



#55
Styrene
Concen: 55.62 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion:104 Resp: 310035
Ion Ratio Lower Upper
104 100
78 47.2 32.4 60.2





#57

1,1,2,2-Tetrachloroethane

Concen: 51.65 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063297.D

Acq: 17 Mar 2025 17:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

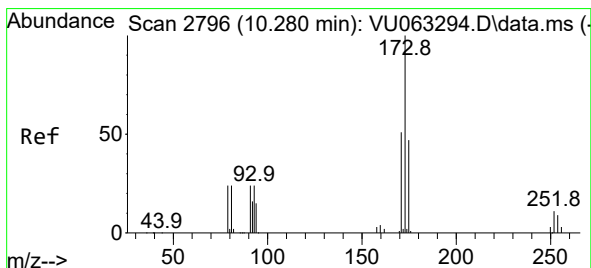
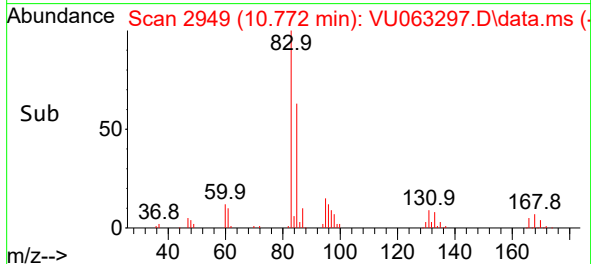
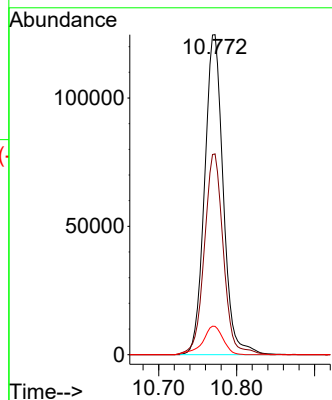
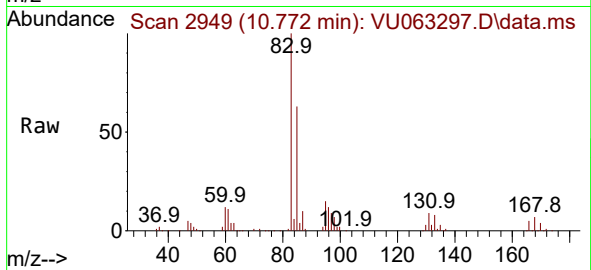
Tgt Ion: 83 Resp: 206954

Ion Ratio Lower Upper

83 100

85 62.7 45.6 84.8

131 8.8 7.1 10.7



#59

Bromoform

Concen: 49.94 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063297.D

Acq: 17 Mar 2025 17:41

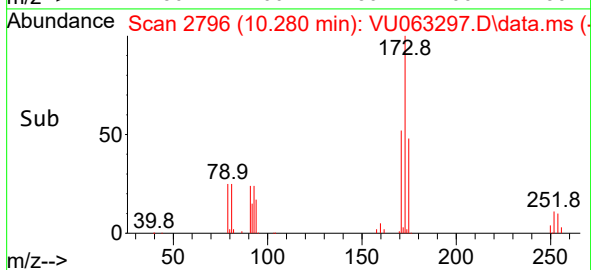
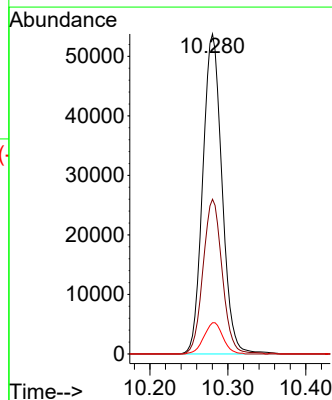
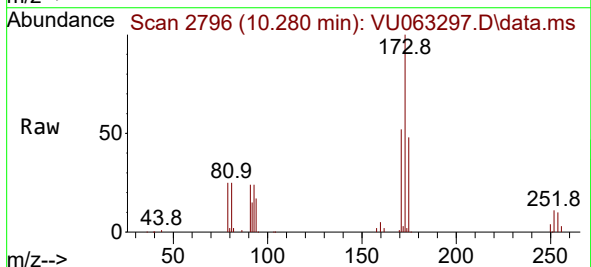
Tgt Ion: 173 Resp: 92075

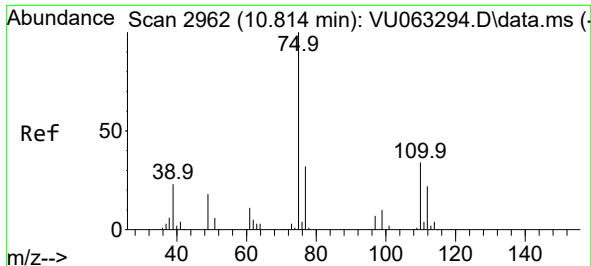
Ion Ratio Lower Upper

173 100

175 48.0 38.6 57.8

254 9.7 7.8 11.6

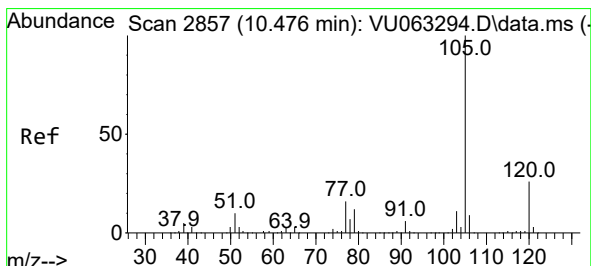
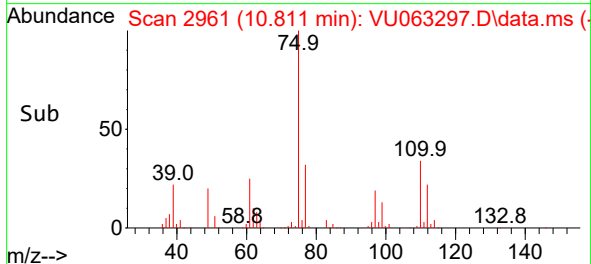
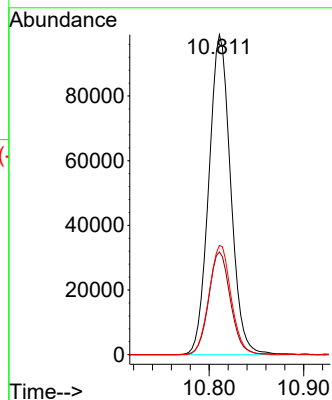
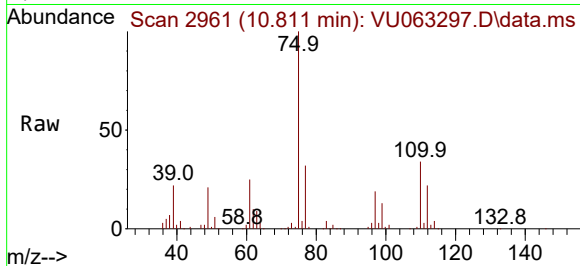




#60
1,2,3-Trichloropropane
Concen: 48.92 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

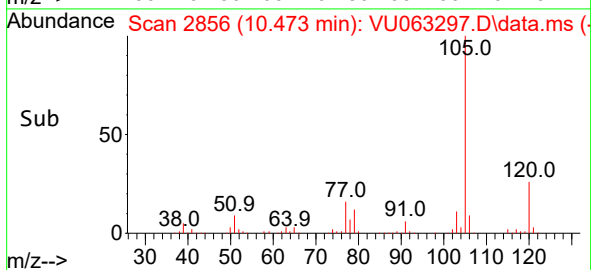
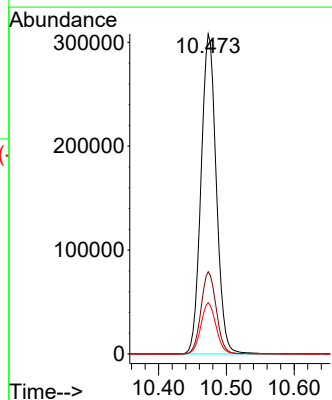
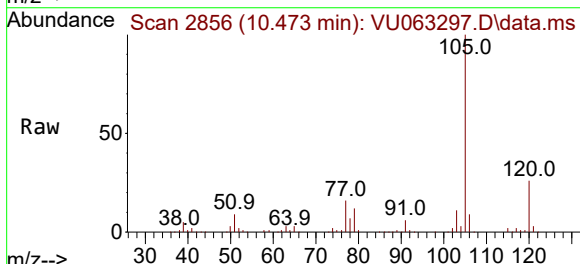
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

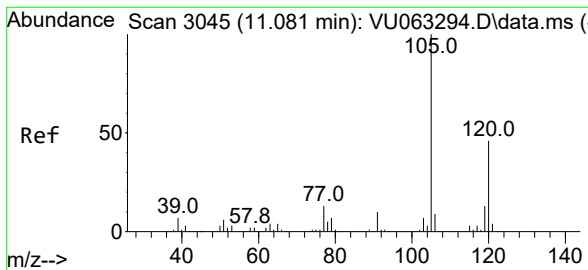
Tgt Ion: 75 Resp: 158717
Ion Ratio Lower Upper
75 100
77 32.2 25.9 38.9
110 34.5 27.8 41.8



#61
Isopropylbenzene
Concen: 52.46 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 105 Resp: 481033
Ion Ratio Lower Upper
105 100
120 25.6 20.6 31.0
77 16.0 13.0 19.4

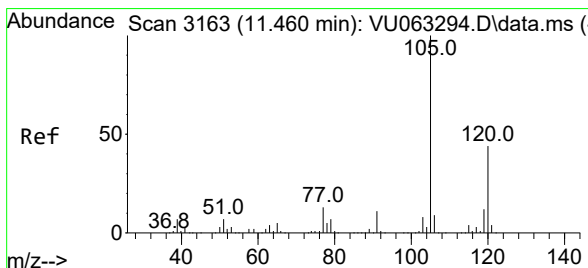
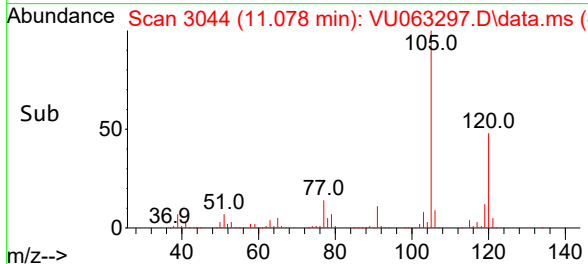
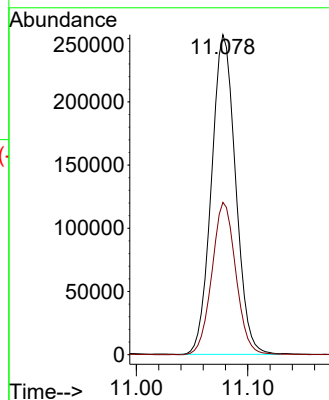
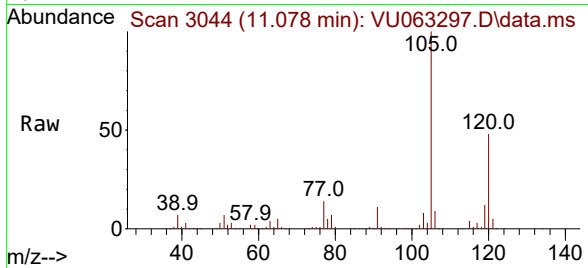




#62
1,3,5-Trimethylbenzene
Concen: 52.65 ug/L
RT: 11.078 min Scan# 3044
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

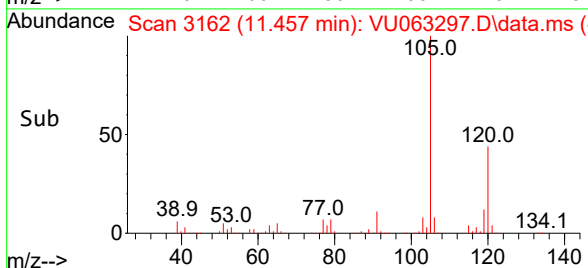
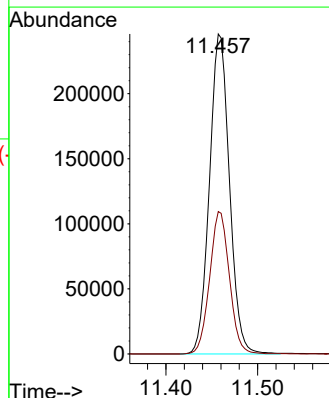
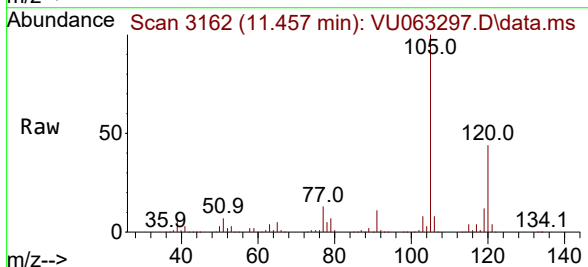
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

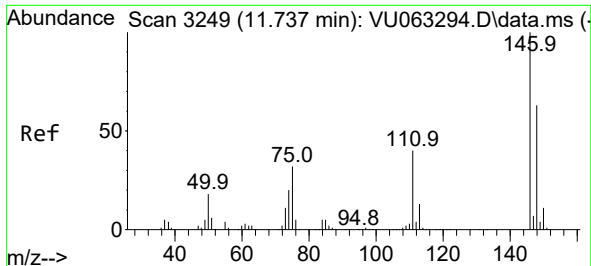
Tgt Ion:105 Resp: 380879
Ion Ratio Lower Upper
105 100
120 47.3 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 53.65 ug/L
RT: 11.457 min Scan# 3162
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion:105 Resp: 372212
Ion Ratio Lower Upper
105 100
120 43.9 35.4 53.2

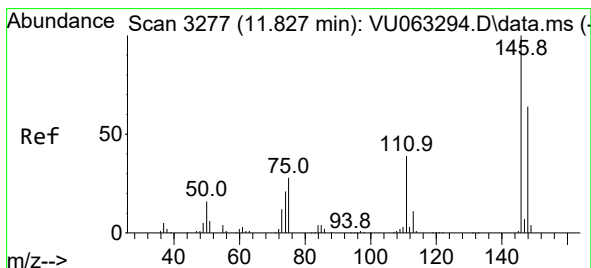
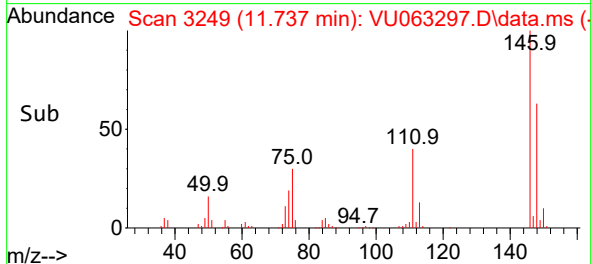
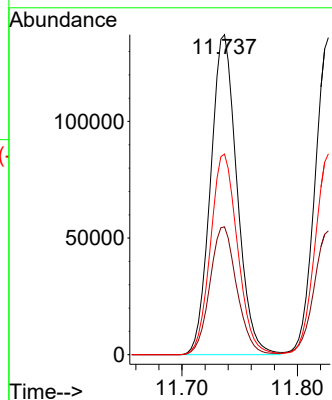
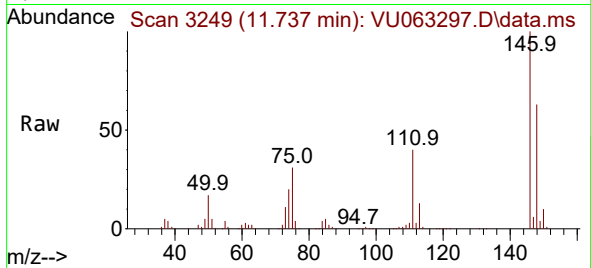




#64
 1,3-Dichlorobenzene
 Concen: 50.50 ug/L
 RT: 11.737 min Scan# 3249
 Delta R.T. 0.000 min
 Lab File: VU063297.D
 Acq: 17 Mar 2025 17:41

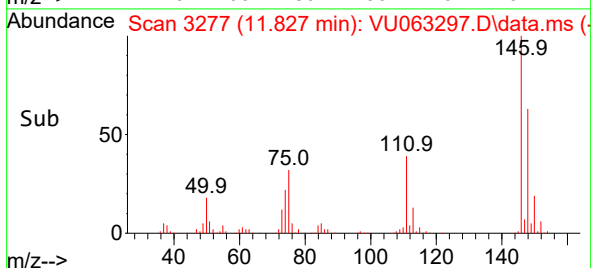
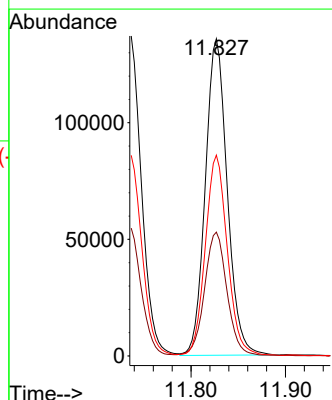
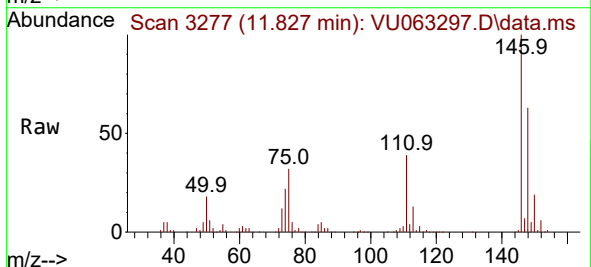
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

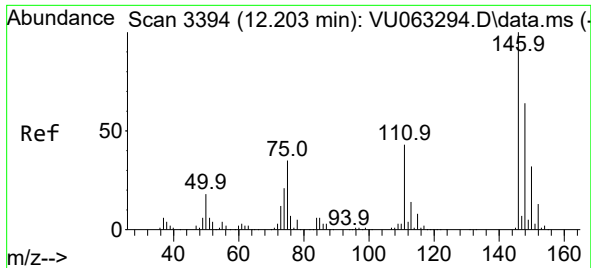
Tgt Ion:146 Resp: 218556
 Ion Ratio Lower Upper
 146 100
 111 39.9 29.2 54.2
 148 62.7 45.8 85.2



#65
 1,4-Dichlorobenzene
 Concen: 49.73 ug/L
 RT: 11.827 min Scan# 3277
 Delta R.T. 0.000 min
 Lab File: VU063297.D
 Acq: 17 Mar 2025 17:41

Tgt Ion:146 Resp: 218623
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.5 51.1
 148 63.3 44.7 82.9

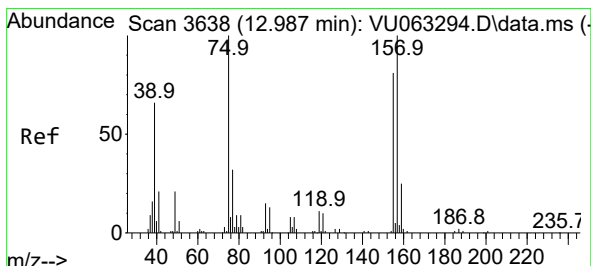
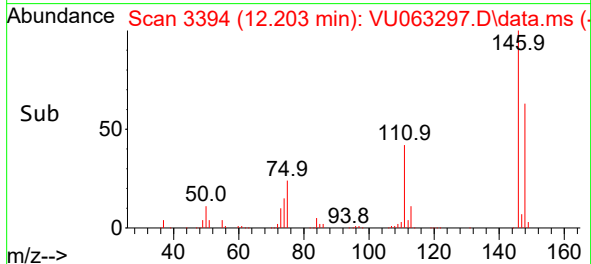
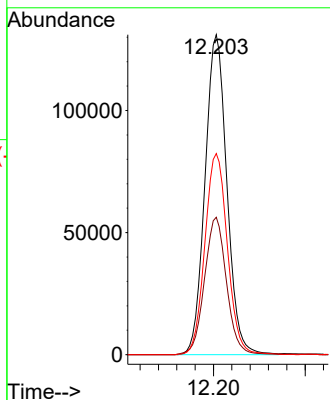
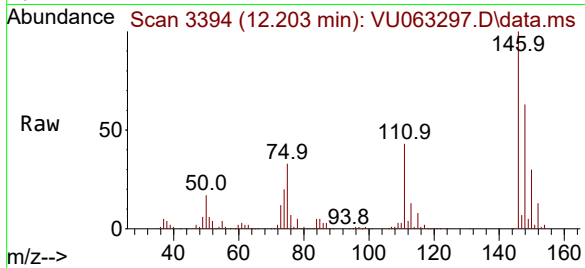




#67
1,2-Dichlorobenzene
Concen: 49.81 ug/L
RT: 12.203 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

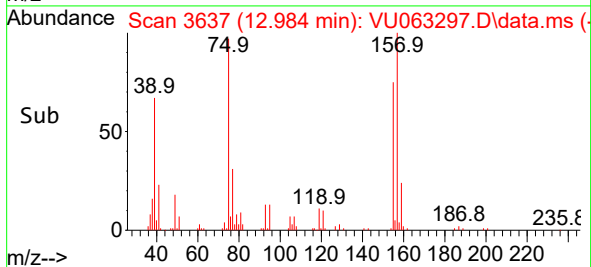
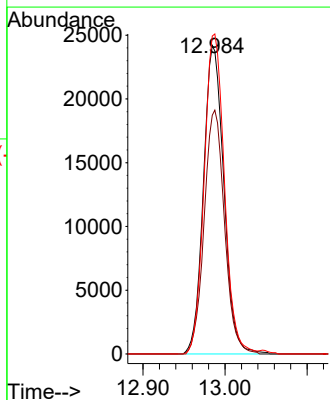
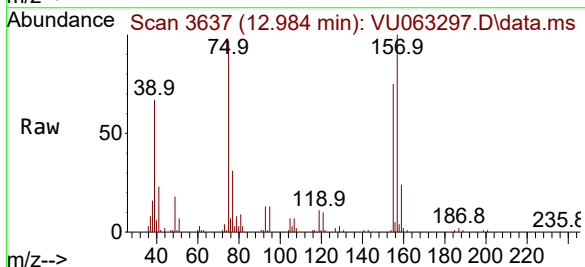
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

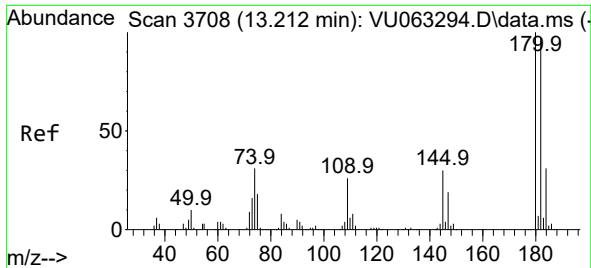
Tgt Ion:146 Resp: 217293
Ion Ratio Lower Upper
146 100
111 43.0 34.7 52.1
148 62.8 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 49.32 ug/L
RT: 12.984 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion: 75 Resp: 41744
Ion Ratio Lower Upper
75 100
155 82.3 68.4 102.6
157 106.8 84.2 126.4

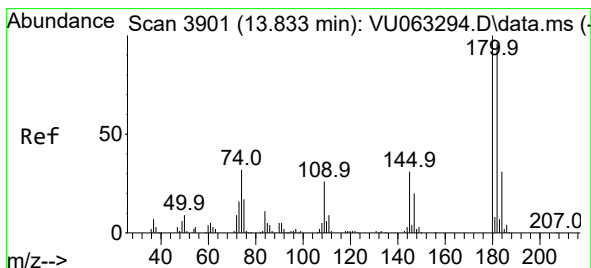
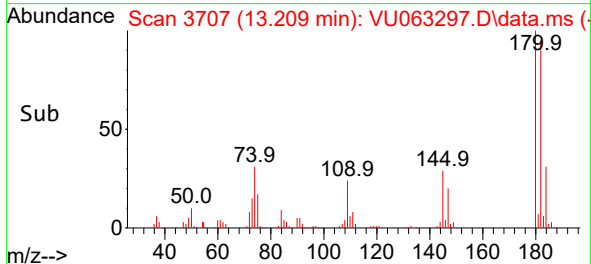
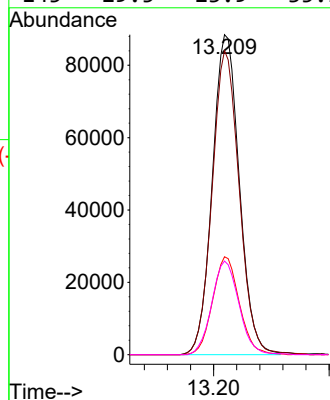
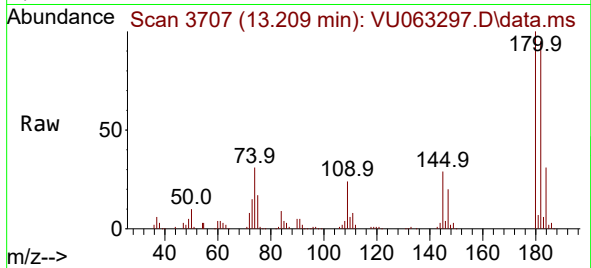




#69
 1,3,5-Trichlorobenzene
 Concen: 49.27 ug/L
 RT: 13.209 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU063297.D
 Acq: 17 Mar 2025 17:41

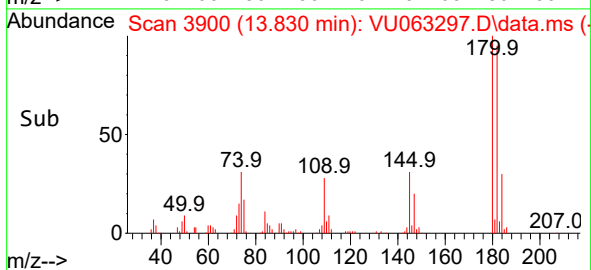
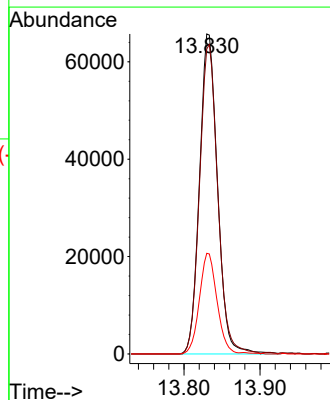
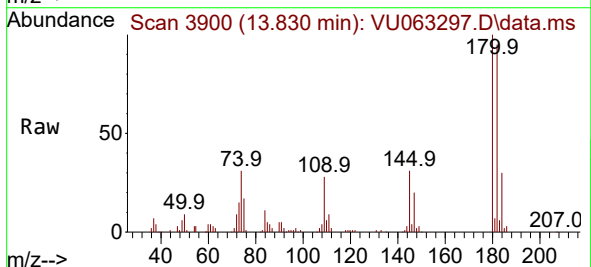
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

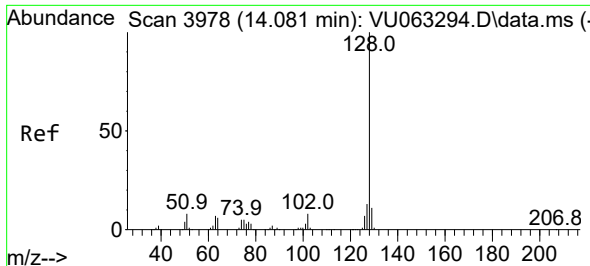
Tgt Ion:	180	Resp:	143466
Ion Ratio	Lower	Upper	
180	100		
182	95.5	77.2	115.8
184	30.3	24.3	36.5
145	29.5	23.9	35.9



#70
 1,2,4-trichlorobenzene
 Concen: 48.02 ug/L
 RT: 13.830 min Scan# 3900
 Delta R.T. -0.003 min
 Lab File: VU063297.D
 Acq: 17 Mar 2025 17:41

Tgt Ion:	180	Resp:	108103
Ion Ratio	Lower	Upper	
180	100		
182	97.3	75.8	113.8
145	30.6	24.0	36.0

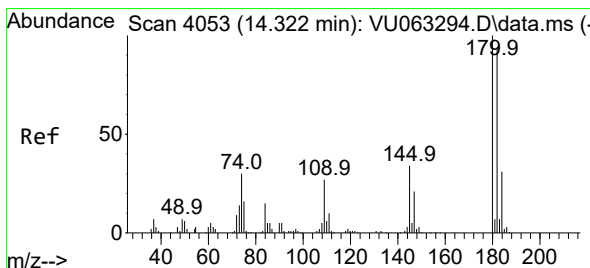
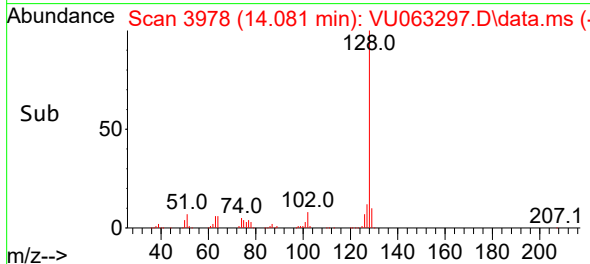
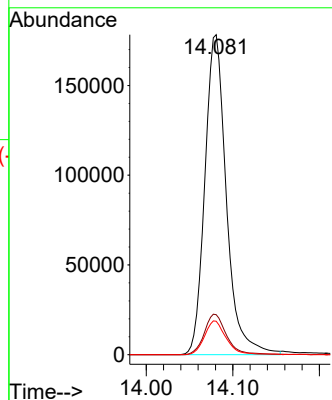
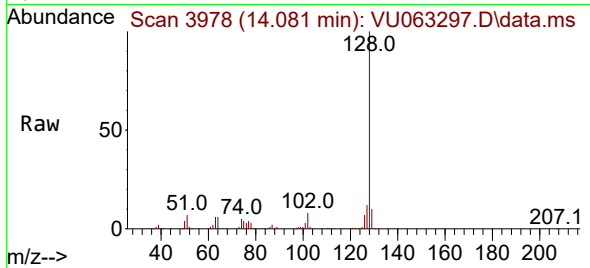




#71
Naphthalene
Concen: 49.80 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

Tgt Ion:128 Resp: 308496
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.5 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 49.80 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063297.D
Acq: 17 Mar 2025 17:41

Tgt Ion:180 Resp: 109563
Ion Ratio Lower Upper
180 100
182 97.6 77.3 115.9
145 32.0 25.7 38.5

