

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063292.D
 Acq On : 17 Mar 2025 12:49
 Operator : MD/SY
 Sample : VSTD200
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200031

Quant Time: Mar 21 08:37:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 08:30:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	293536	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	292557	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	158646	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	475234	213.17	ug/L	0.00
7) Chloroethane-d5	1.888	69	379722	299.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	853654	218.97	ug/L	0.00
21) 2-Butanone-d5	4.602	46	754736	520.18	ug/L	0.00
24) Chloroform-d	5.045	84	893357	219.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	553566	235.46	ug/L	0.00
32) Benzene-d6	5.711	84	1801478	209.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	584477	209.51	ug/L	0.00
41) Toluene-d8	7.888	98	1672575	211.23	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	282777	217.38	ug/L	0.00
47) 2-Hexanone-d5	8.621	63	569095	479.45	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	920858	221.37	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	626864	206.23	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.377	85	487382	213.29	ug/L	Qvalue 100
3) Chloromethane	1.518	50	537893	223.02	ug/L	100
5) Vinyl chloride	1.599	62	565913	206.63	ug/L	99
6) Bromomethane	1.827	94	330062	351.72	ug/L	99
8) Chloroethane	1.911	64	329743	298.27	ug/L	98
9) Trichlorofluoromethane	2.123	101	653110	217.84	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	400820	193.87	ug/L	99
12) 1,1-Dichloroethene	2.563	96	396052	194.83	ug/L	98
13) Acetone	2.611	43	489587	517.51	ug/L	100
14) Carbon disulfide	2.775	76	1237547	197.11	ug/L	99
15) Methyl Acetate	2.933	43	552828	248.20	ug/L #	100
16) Methylene chloride	3.029	84	470805	200.01	ug/L	98
17) trans-1,2-Dichloroethene	3.335	96	421662	202.76	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	1418276	220.22	ug/L	99
19) 1,1-Dichloroethane	3.849	63	841130	216.74	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	495433	210.12	ug/L	100
22) 2-Butanone	4.682	43	801483	537.45	ug/L	97
23) Bromochloromethane	4.955	128	246514	205.42	ug/L	98
25) Chloroform	5.071	83	848548	215.34	ug/L	99
27) 1,2-Dichloroethane	5.779	62	679334	232.17	ug/L	99
29) Cyclohexane	5.373	56	753461	205.25	ug/L	99
30) 1,1,1-Trichloroethane	5.299	97	693084	197.93	ug/L	99
31) Carbon tetrachloride	5.508	117	584903	194.76	ug/L	99
33) Benzene	5.759	78	1903545	205.44	ug/L	100
34) Trichloroethene	6.528	95	482108	193.00	ug/L	97
35) Methylcyclohexane	6.750	83	763059	201.86	ug/L	98
37) 1,2-Dichloropropane	6.775	63	525706	204.69	ug/L	100
38) Bromodichloromethane	7.094	83	652169	212.79	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	850997	222.42	ug/L	100
40) 4-Methyl-2-pentanone	7.775	43	1565521	497.61	ug/L	99
42) Toluene	7.959	91	2065404	207.37	ug/L	100
44) trans-1,3-Dichloropropene	8.196	75	788256	222.23	ug/L	99

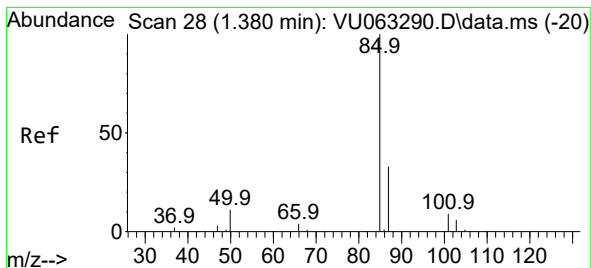
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	501863	202.89	ug/L	99
46) Tetrachloroethene	8.544	164	347805	195.94	ug/L	99
48) 2-Hexanone	8.672	43	1246916	514.88	ug/L	100
49) Dibromochloromethane	8.798	129	508346	204.24	ug/L	100
50) 1,2-Dibromoethane	8.910	107	549087	207.47	ug/L	99
51) Chlorobenzene	9.434	112	1260487	203.40	ug/L	99
52) Ethylbenzene	9.560	91	2286949	213.26	ug/L	99
53) m,p-Xylene	9.682	106	856183	214.45	ug/L	98
54) o-Xylene	10.090	106	843144	210.38	ug/L	98
55) Styrene	10.103	104	1469717	215.31	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.769	83	920161	212.40	ug/L	98
59) Bromoform	10.280	173	428209	202.18	ug/L	99
60) 1,2,3-Trichloropropane	10.810	75	705565	207.12	ug/L	99
61) Isopropylbenzene	10.473	105	2250231	208.11	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	1895760	215.29	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	1888562	216.91	ug/L	99
64) 1,3-Dichlorobenzene	11.733	146	1019487	197.31	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	1033126	192.75	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	1019683	199.70	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.984	75	213434	231.63	ug/L	96
69) 1,3,5-Trichlorobenzene	13.209	180	715951	205.34	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	617428	207.01	ug/L	99
71) Naphthalene	14.074	128	1948654	215.90	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	611587	211.76	ug/L	99

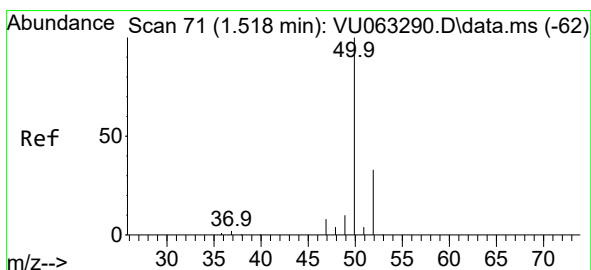
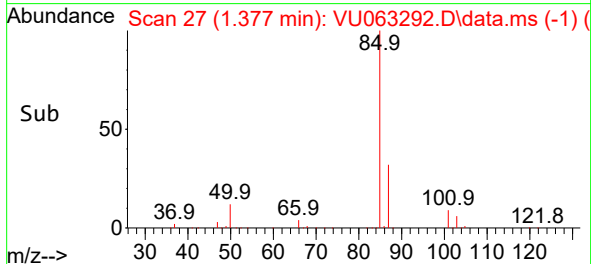
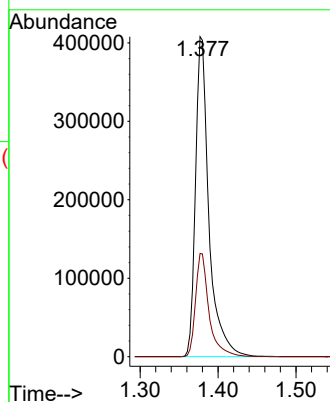
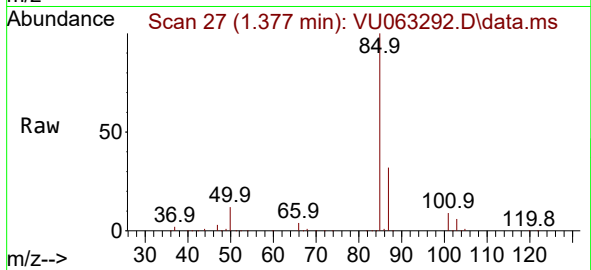
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 213.29 ug/L
RT: 1.377 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

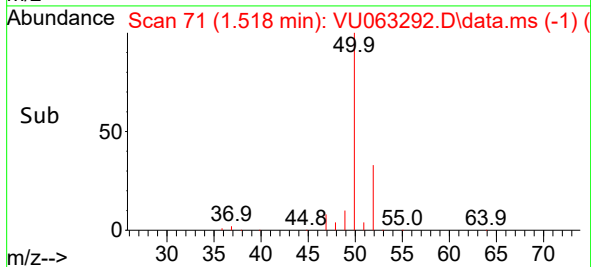
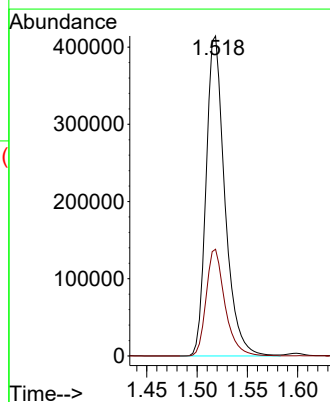
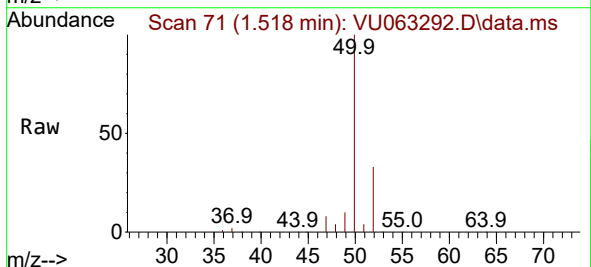
Instrument :
MSVOA_U
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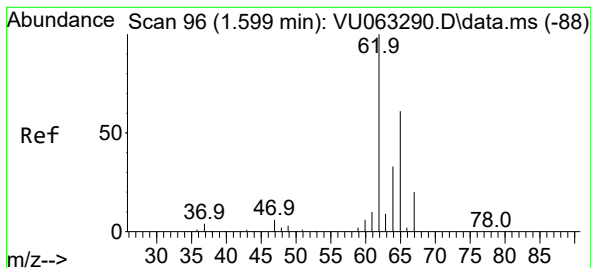
Tgt Ion: 85 Resp: 487382
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.6



#3
Chloromethane
Concen: 223.02 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion: 50 Resp: 537893
Ion Ratio Lower Upper
50 100
52 33.3 23.2 43.0





#5

Vinyl chloride

Concen: 206.63 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

Instrument :

MSVOA_U

ClientSampleId :

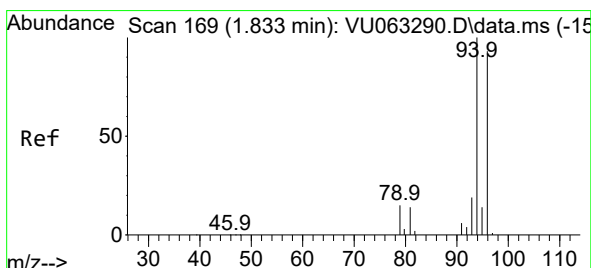
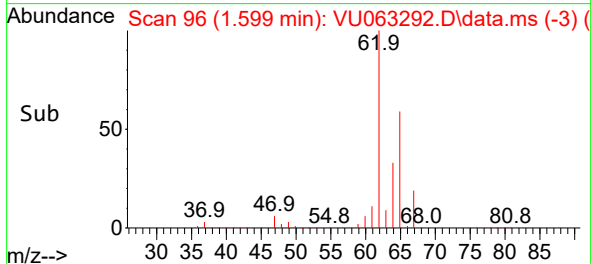
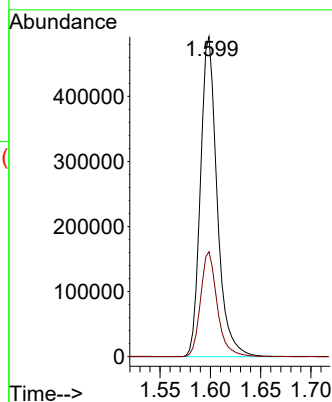
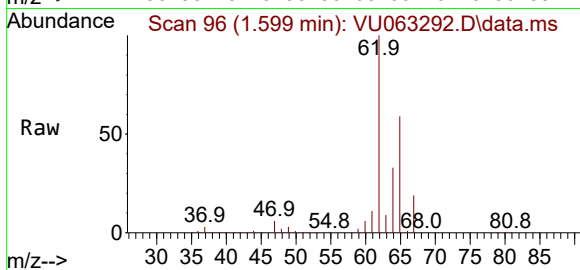
VSTD200031

Tgt Ion: 62 Resp: 565913

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.2



#6

Bromomethane

Concen: 351.72 ug/L

RT: 1.827 min Scan# 167

Delta R.T. -0.006 min

Lab File: VU063292.D

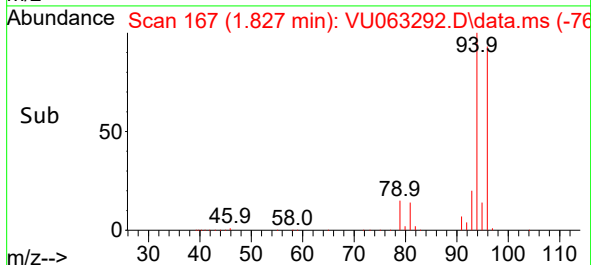
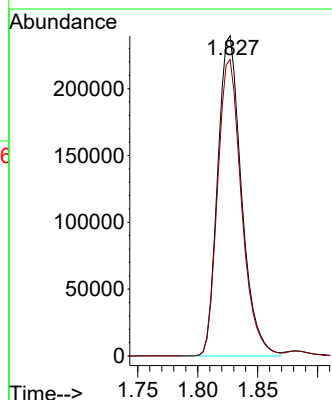
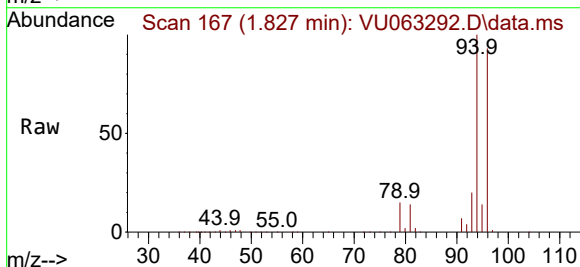
Acq: 17 Mar 2025 12:49

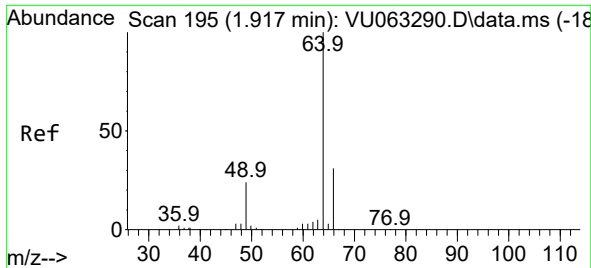
Tgt Ion: 94 Resp: 330062

Ion Ratio Lower Upper

94 100

96 92.6 65.2 121.2

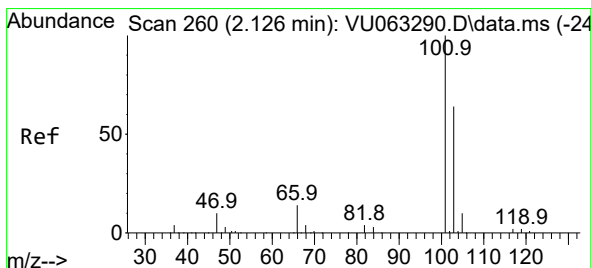
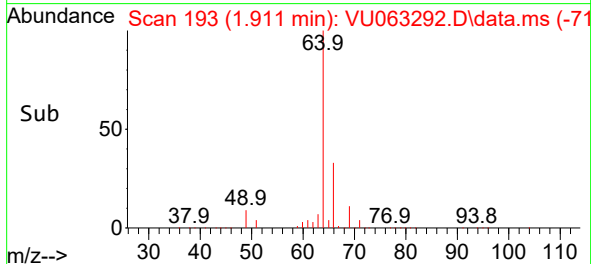
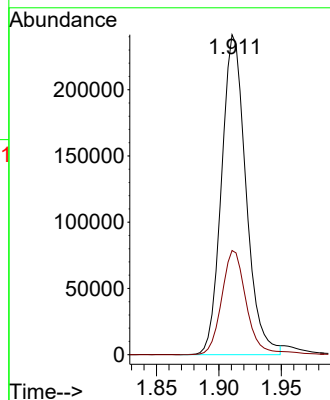
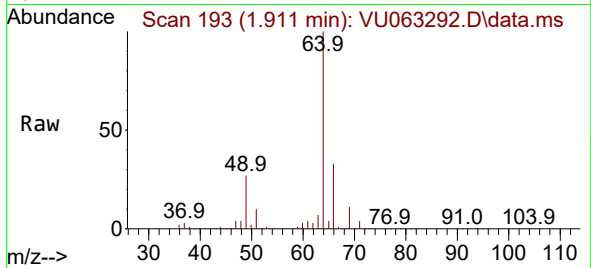




#8
Chloroethane
Concen: 298.27 ug/L
RT: 1.911 min Scan# 19
Delta R.T. -0.006 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

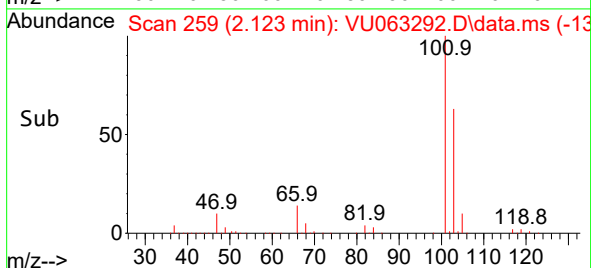
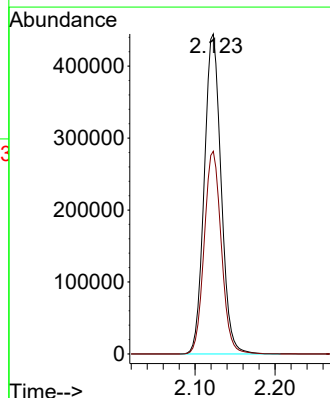
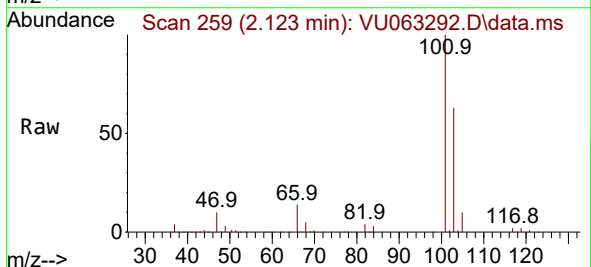
Instrument :
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ClientSampleId :
VSTD200031

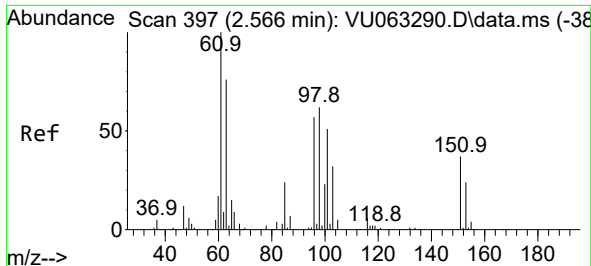
Tgt Ion: 64 Resp: 329743
Ion Ratio Lower Upper
64 100
66 32.6 22.0 41.0



#9
Trichlorofluoromethane
Concen: 217.84 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion:101 Resp: 653110
Ion Ratio Lower Upper
101 100
103 64.3 51.2 76.8

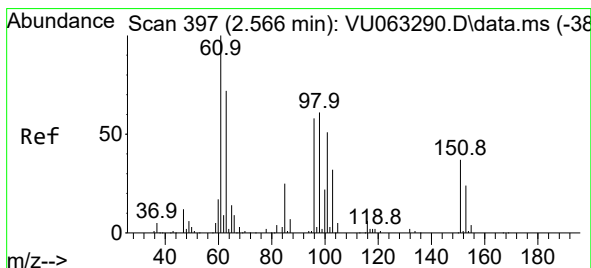
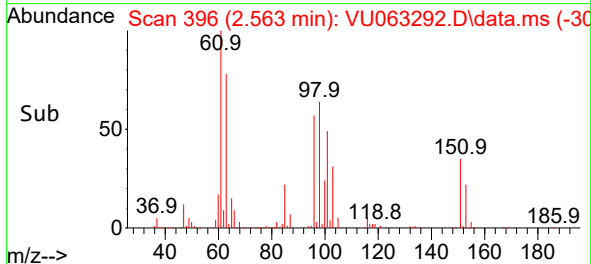
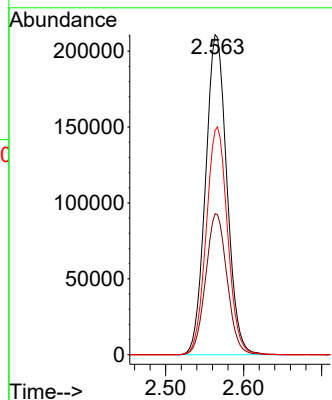
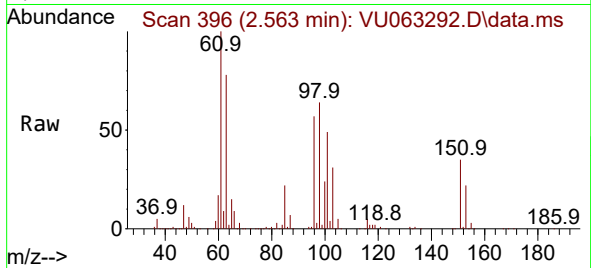




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 193.87 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063292.D
 Acq: 17 Mar 2025 12:49

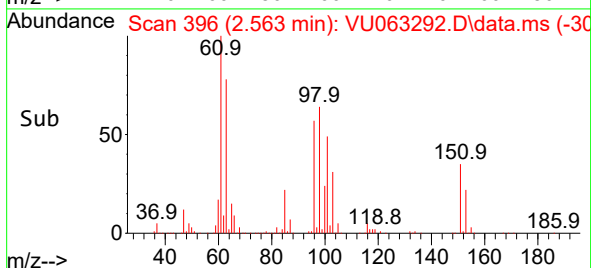
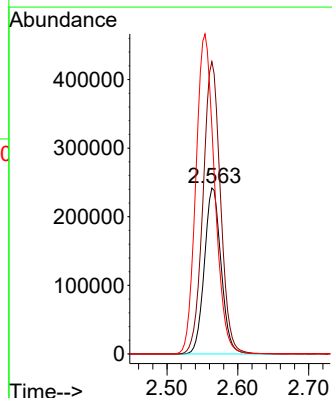
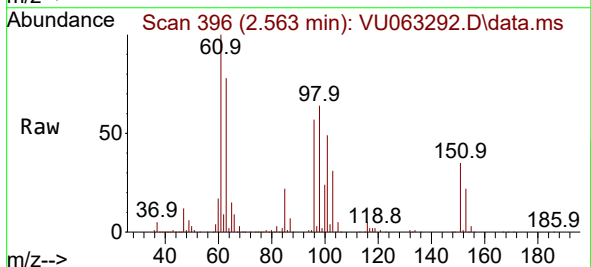
Instrument :
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 ClientSampleId :
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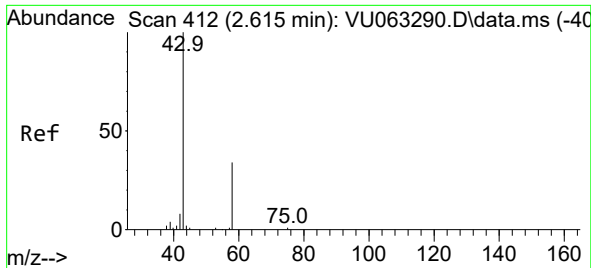
Tgt Ion:101 Resp: 400820
 Ion Ratio Lower Upper
 101 100
 85 44.2 36.5 54.7
 151 71.3 57.4 86.0



#12
 1,1-Dichloroethene
 Concen: 194.83 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063292.D
 Acq: 17 Mar 2025 12:49

Tgt Ion: 96 Resp: 396052
 Ion Ratio Lower Upper
 96 100
 61 176.2 121.9 226.5
 63 136.9 93.2 173.0

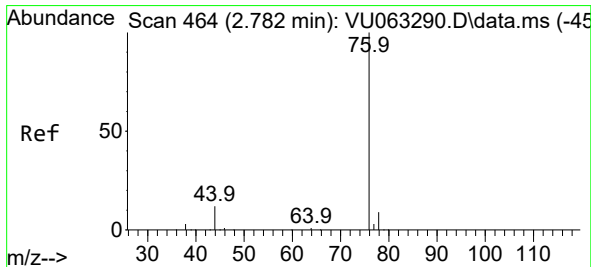
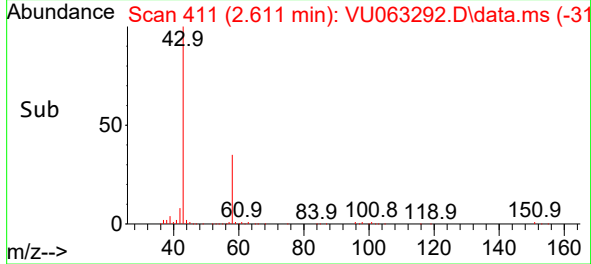
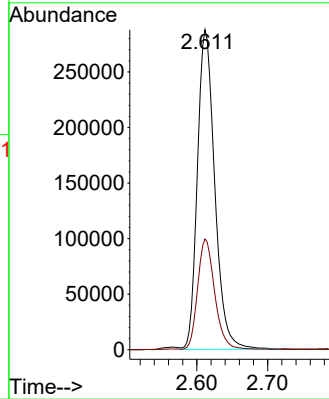
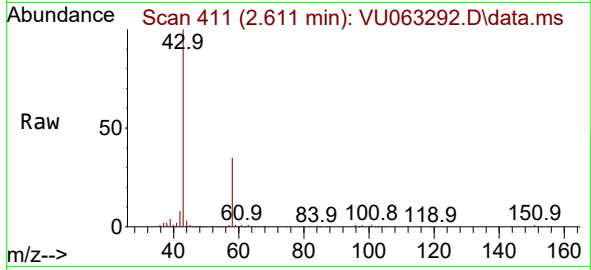




#13
Acetone
Concen: 517.51 ug/L
RT: 2.611 min Scan# 411
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

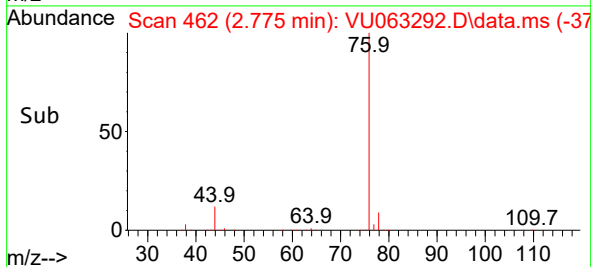
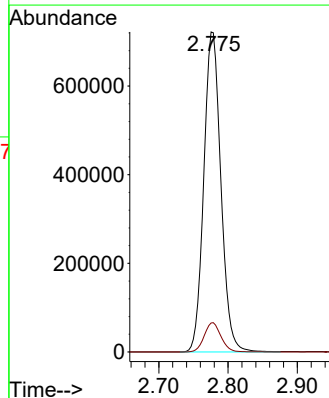
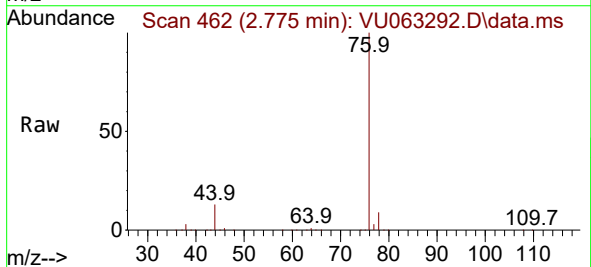
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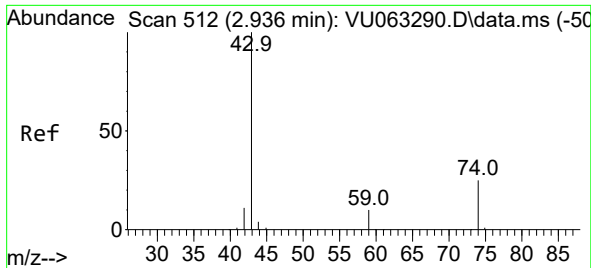
Tgt Ion: 43 Resp: 489587
Ion Ratio Lower Upper
43 100
58 34.0 0.0 68.4



#14
Carbon disulfide
Concen: 197.11 ug/L
RT: 2.775 min Scan# 462
Delta R.T. -0.006 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion: 76 Resp: 1237547
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

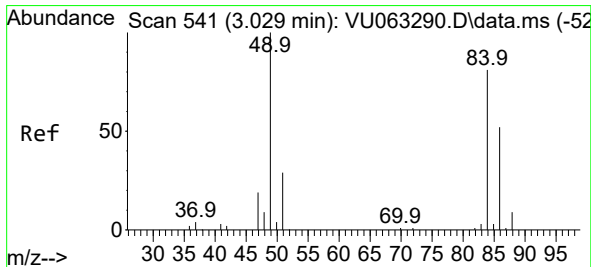
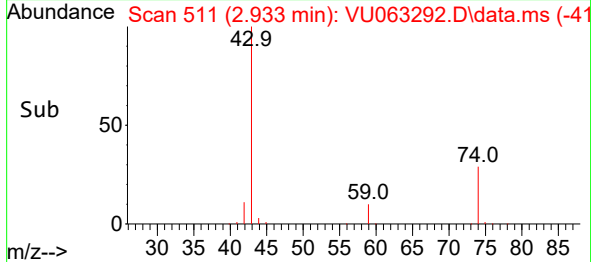
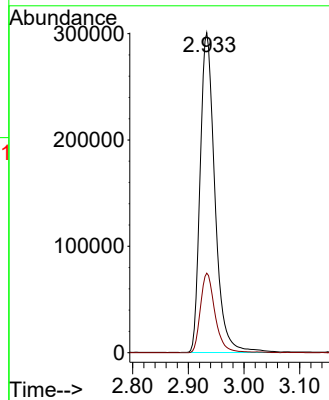
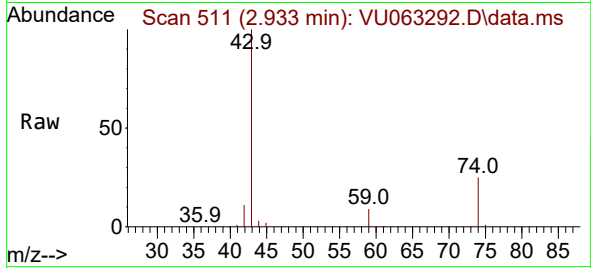




#15
Methyl Acetate
Concen: 248.20 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

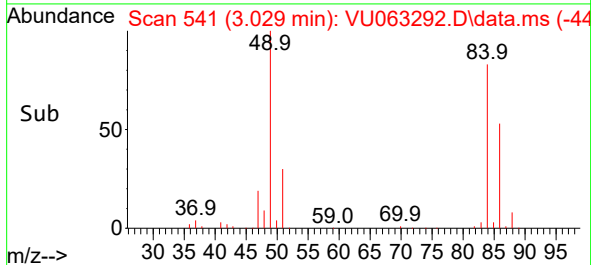
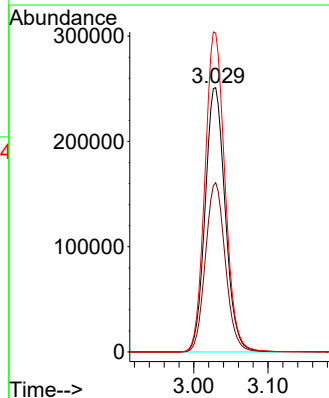
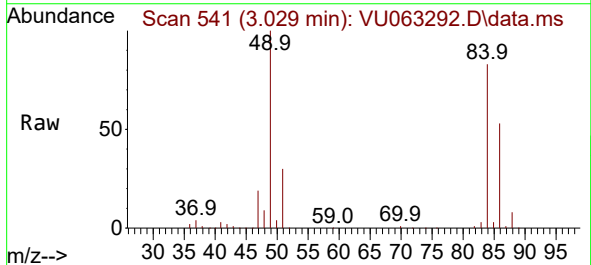
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MSVOA_U
ClientSampleId :
VSTD200031

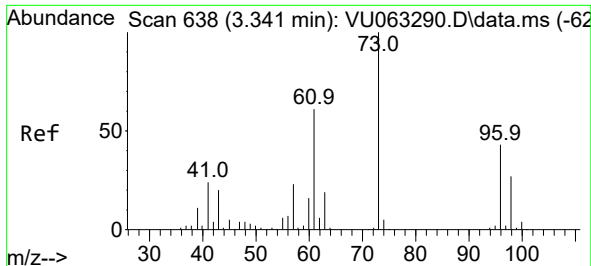
Tgt Ion: 43 Resp: 552828
Ion Ratio Lower Upper
43 100
74 24.6 0.0 0.0#



#16
Methylene chloride
Concen: 200.01 ug/L
RT: 3.029 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion: 84 Resp: 470805
Ion Ratio Lower Upper
84 100
86 64.1 44.4 82.5
49 120.7 86.3 160.3

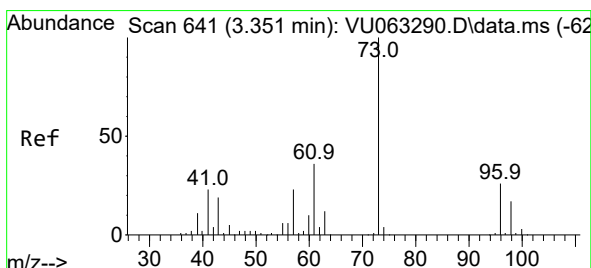
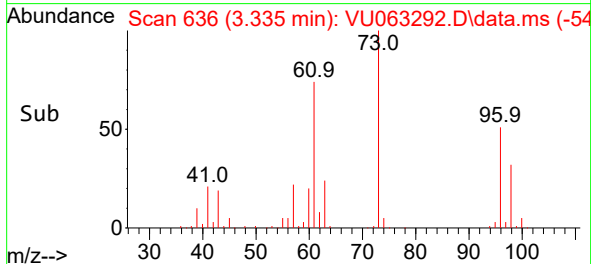
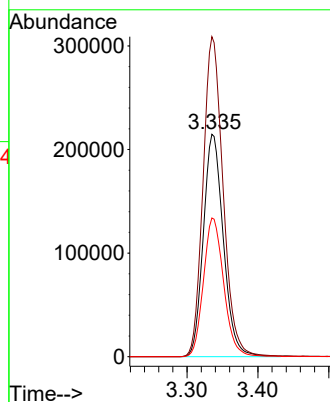
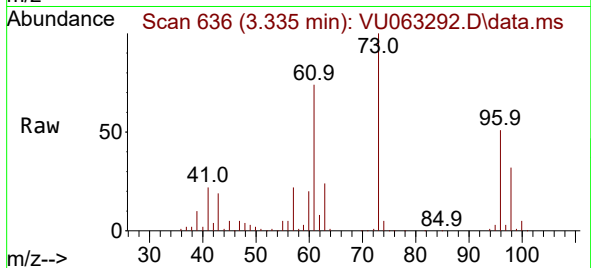




#17
trans-1,2-Dichloroethene
Concen: 202.76 ug/L
RT: 3.335 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

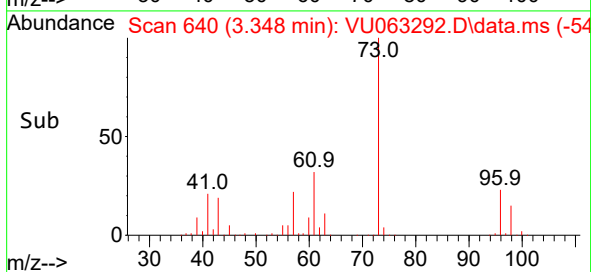
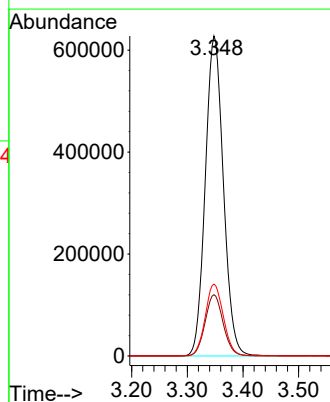
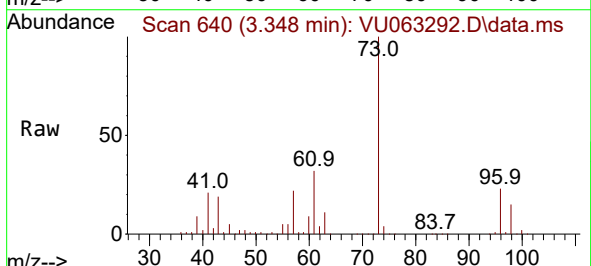
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

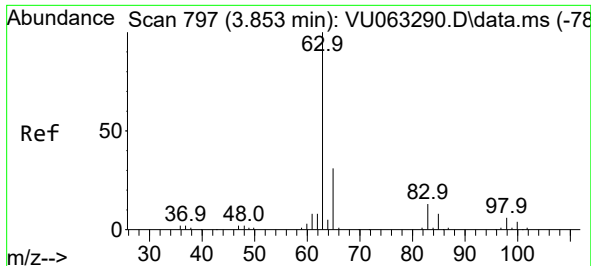
Tgt Ion: 96 Resp: 421662
Ion Ratio Lower Upper
96 100
61 143.9 100.1 185.9
98 62.4 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 220.22 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion: 73 Resp: 1418276
Ion Ratio Lower Upper
73 100
43 19.0 15.4 23.2
57 22.6 18.3 27.5





#19

1,1-Dichloroethane

Concen: 216.74 ug/L

RT: 3.849 min Scan# 797

Delta R.T. -0.003 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD200031

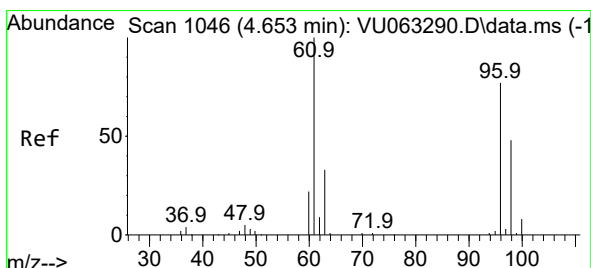
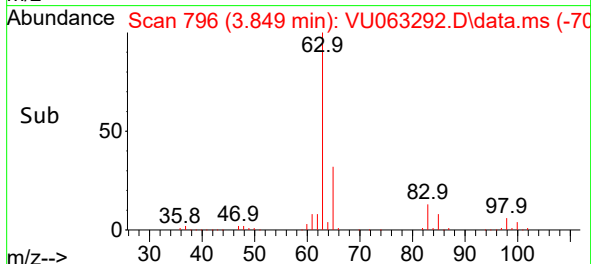
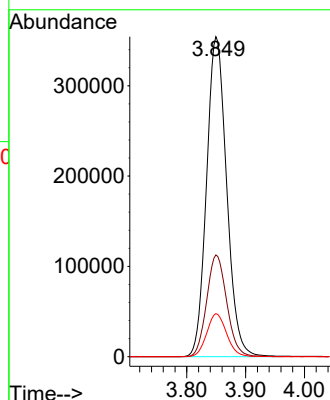
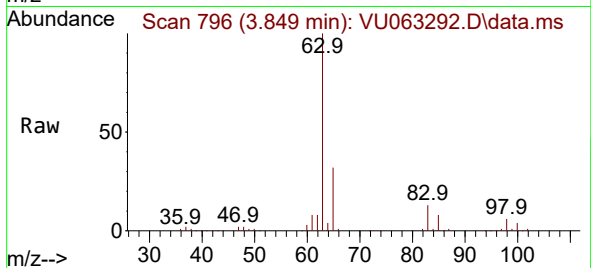
Tgt Ion: 63 Resp: 841130

Ion Ratio Lower Upper

63 100

65 31.8 21.9 40.7

83 13.5 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 210.12 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.003 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

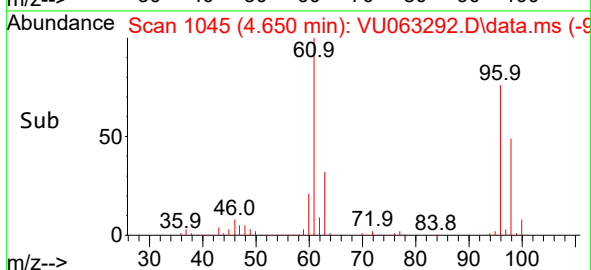
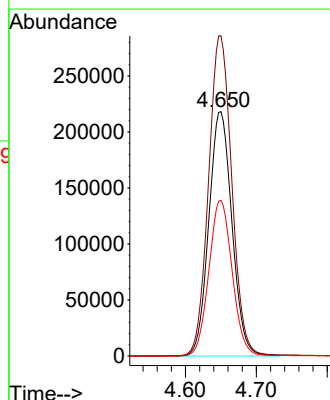
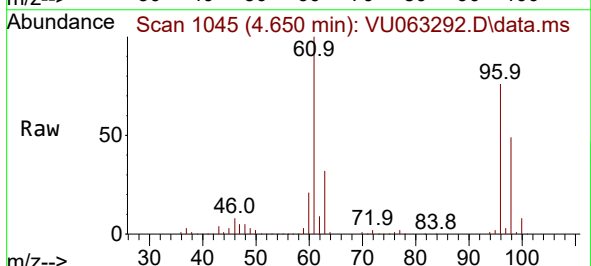
Tgt Ion: 96 Resp: 495433

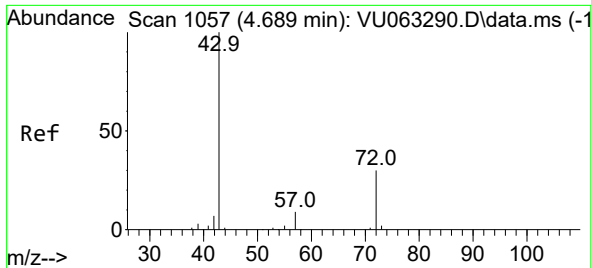
Ion Ratio Lower Upper

96 100

61 131.0 91.6 170.0

98 63.7 44.0 81.8

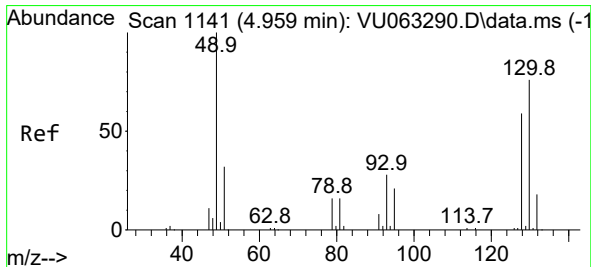
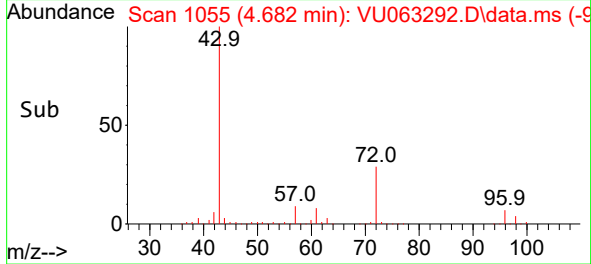
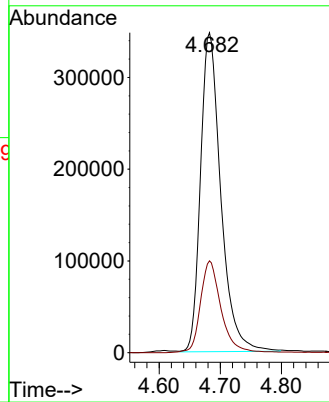
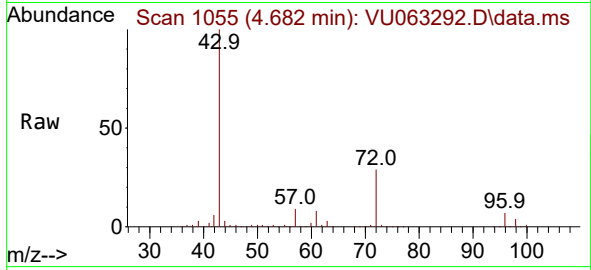




#22
2-Butanone
Concen: 537.45 ug/L
RT: 4.682 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

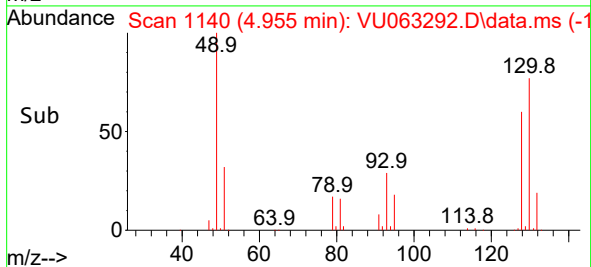
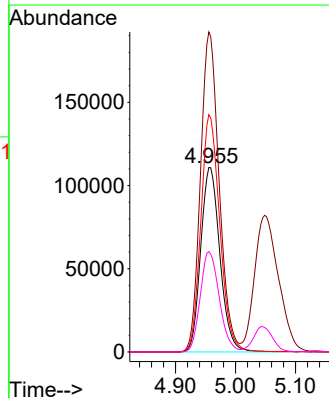
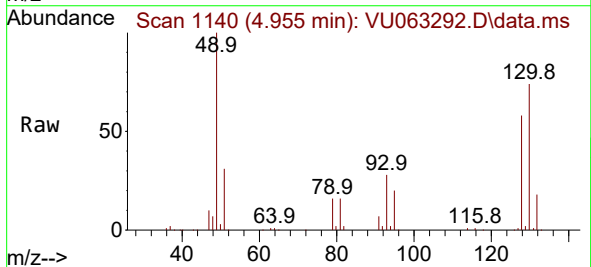
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

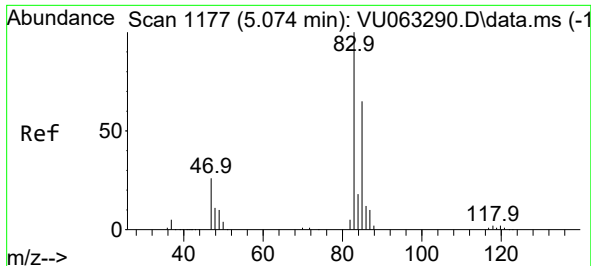
Tgt Ion: 43 Resp: 801483
Ion Ratio Lower Upper
43 100
72 29.0 15.4 46.4



#23
Bromochloromethane
Concen: 205.42 ug/L
RT: 4.955 min Scan# 1140
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion:128 Resp: 246514
Ion Ratio Lower Upper
128 100
49 173.5 118.2 219.6
130 128.7 89.2 165.8
51 54.4 43.6 65.4





#25

Chloroform

Concen: 215.34 ug/L

RT: 5.071 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

Instrument :

MSVOA_U

ClientSampleId :

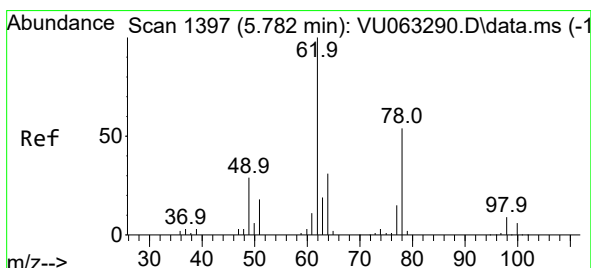
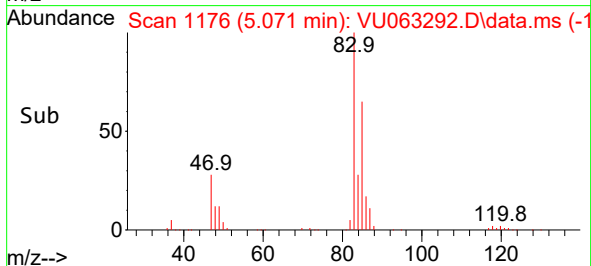
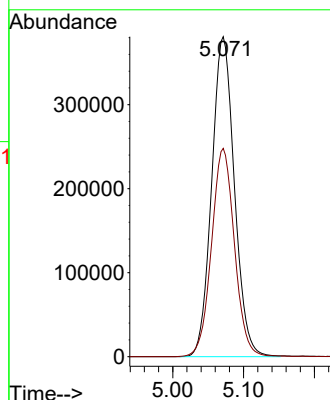
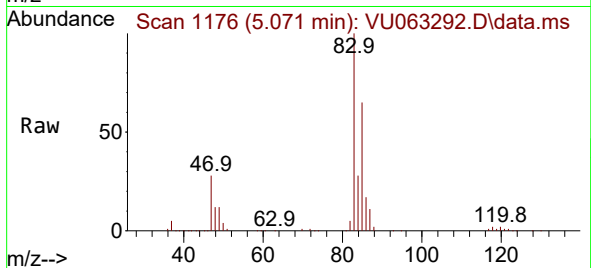
VSTD200031

Tgt Ion: 83 Resp: 848548

Ion Ratio Lower Upper

83 100

85 65.1 45.9 85.3



#27

1,2-Dichloroethane

Concen: 232.17 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU063292.D

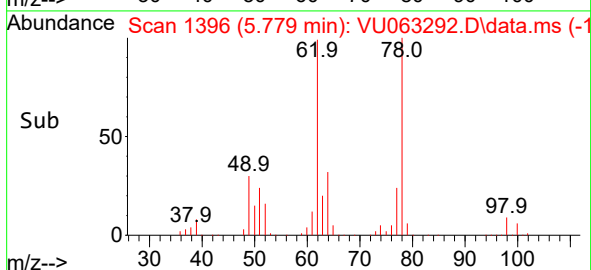
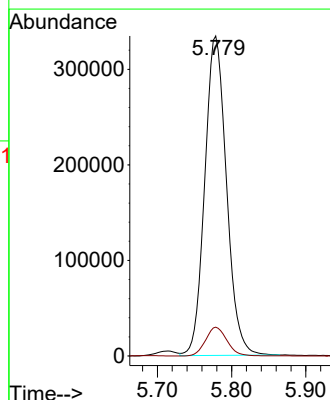
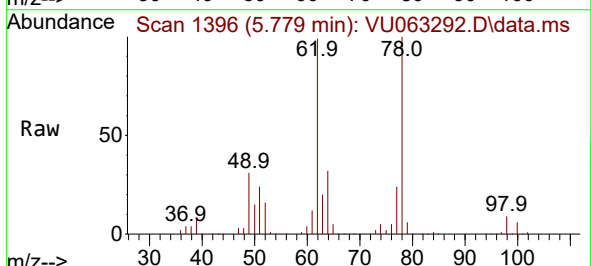
Acq: 17 Mar 2025 12:49

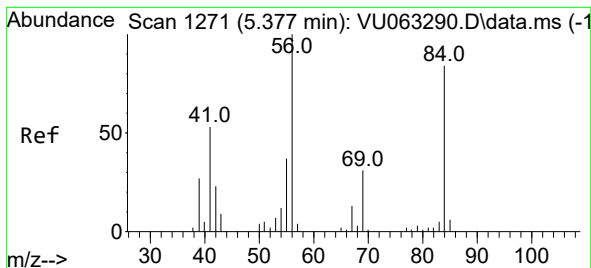
Tgt Ion: 62 Resp: 679334

Ion Ratio Lower Upper

62 100

98 9.0 7.5 11.3





#29

Cyclohexane

Concen: 205.25 ug/L

RT: 5.373 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD200031

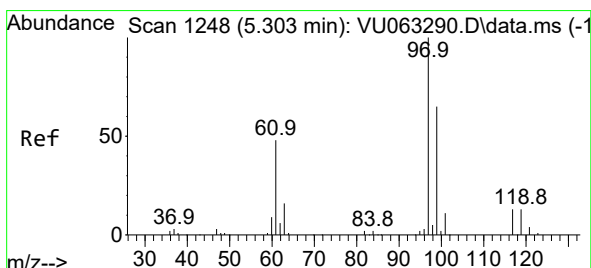
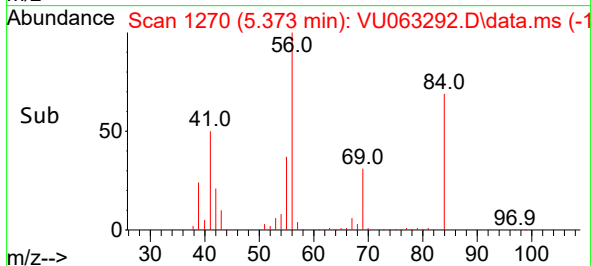
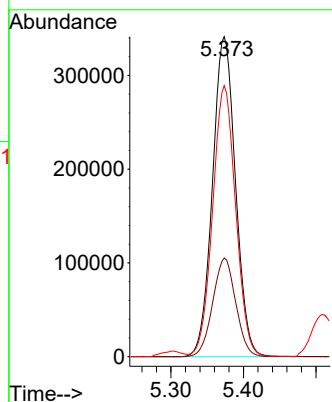
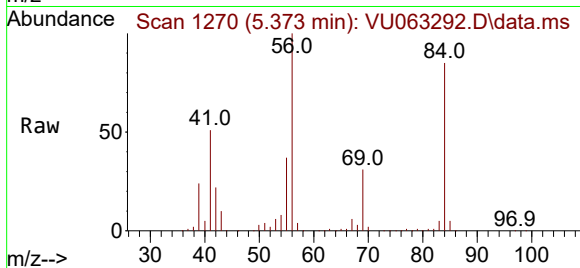
Tgt Ion: 56 Resp: 753461

Ion Ratio Lower Upper

56 100

69 30.8 24.2 36.4

84 84.7 67.2 100.8



#30

1,1,1-Trichloroethane

Concen: 197.93 ug/L

RT: 5.299 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

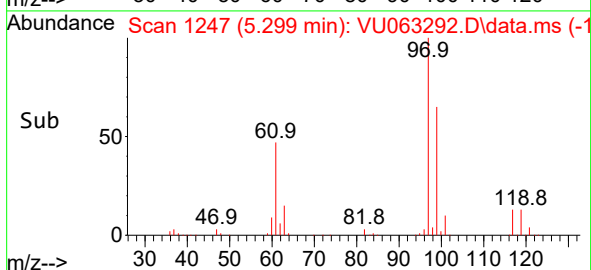
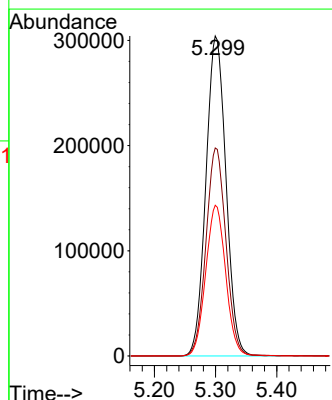
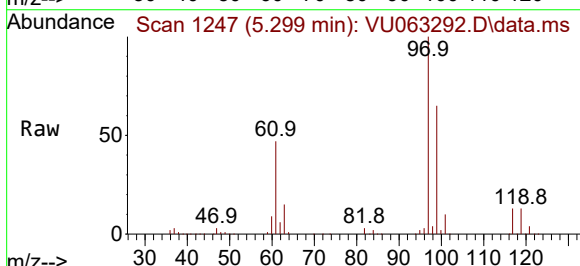
Tgt Ion: 97 Resp: 693084

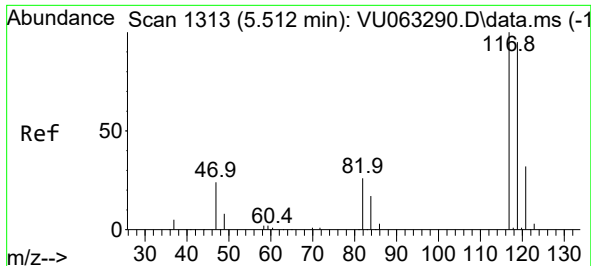
Ion Ratio Lower Upper

97 100

99 64.6 52.1 78.1

61 47.1 38.6 57.8

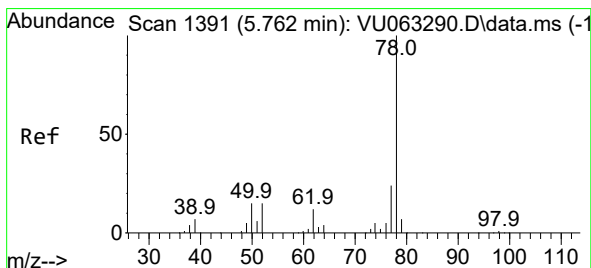
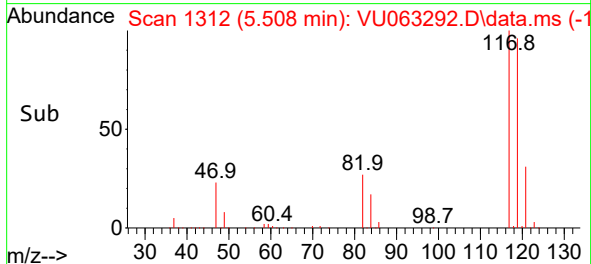
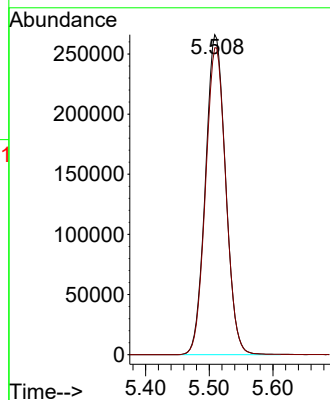
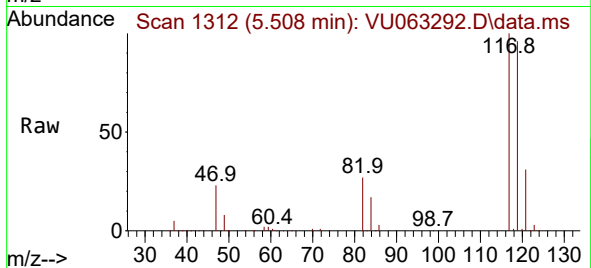




#31
Carbon tetrachloride
Concen: 194.76 ug/L
RT: 5.508 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

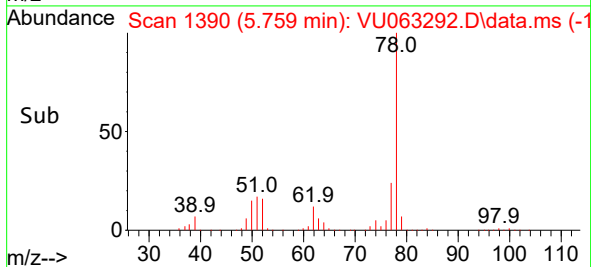
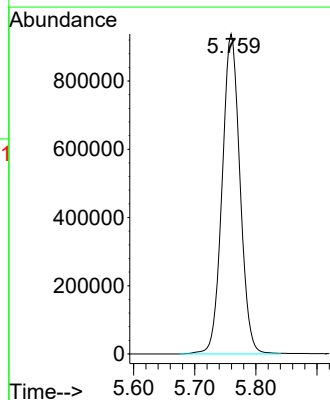
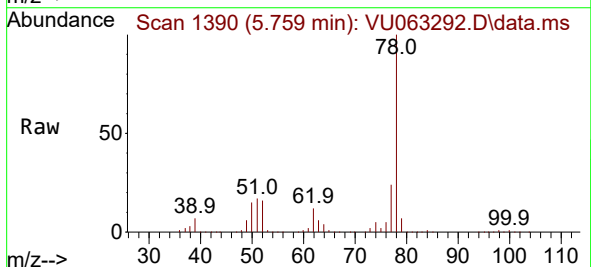
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

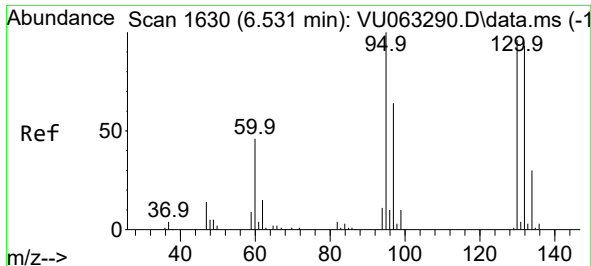
Tgt Ion:117 Resp: 584903
Ion Ratio Lower Upper
117 100
119 96.7 76.3 114.5



#33
Benzene
Concen: 205.44 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion: 78 Resp: 1903545

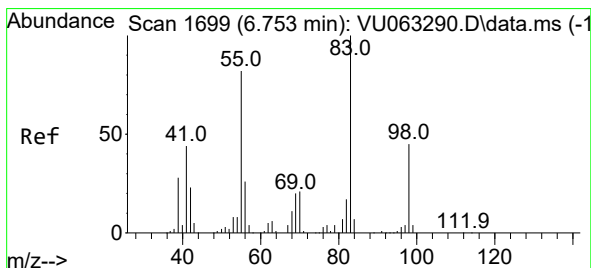
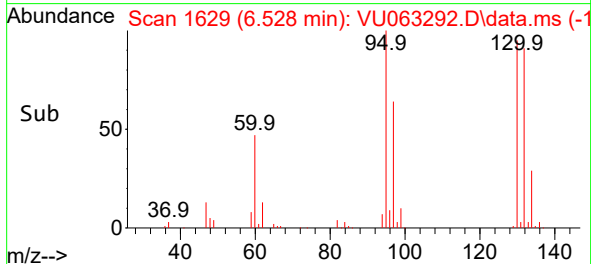
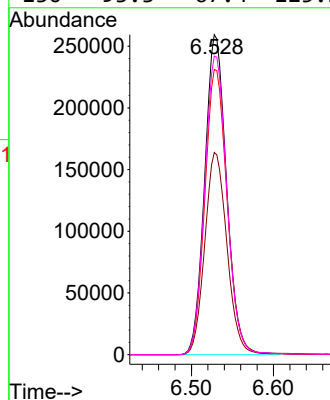
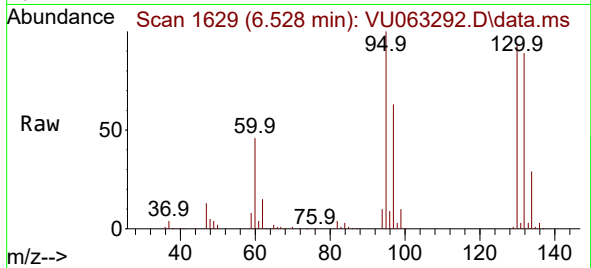




#34
Trichloroethene
Concen: 193.00 ug/L
RT: 6.528 min Scan# 1629
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

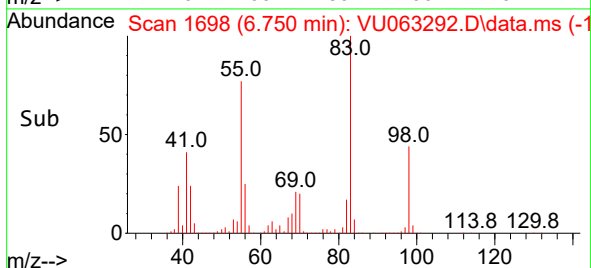
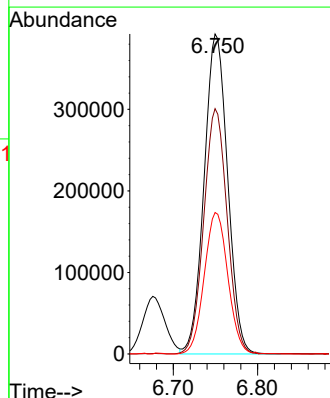
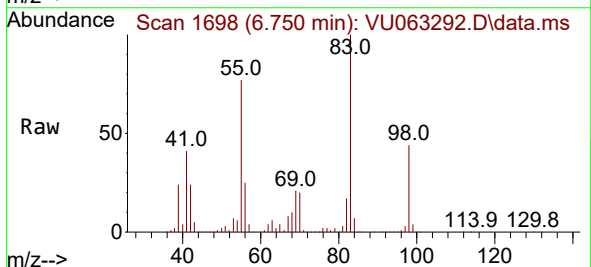
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

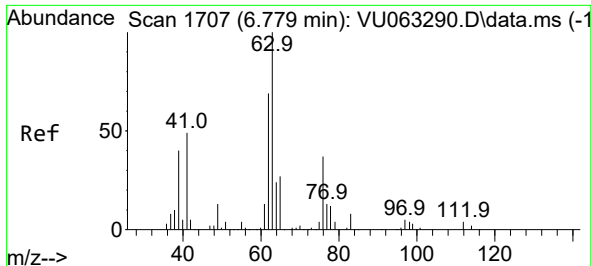
Tgt Ion: 95 Resp: 482108
Ion Ratio Lower Upper
95 100
97 63.2 44.6 82.8
132 89.1 65.3 121.3
130 93.3 67.4 125.2



#35
Methylcyclohexane
Concen: 201.86 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion: 83 Resp: 763059
Ion Ratio Lower Upper
83 100
55 76.2 63.4 95.2
98 44.3 35.2 52.8





#37

1,2-Dichloropropane

Concen: 204.69 ug/L

RT: 6.775 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

Instrument :

MSVOA_U

ClientSampleId :

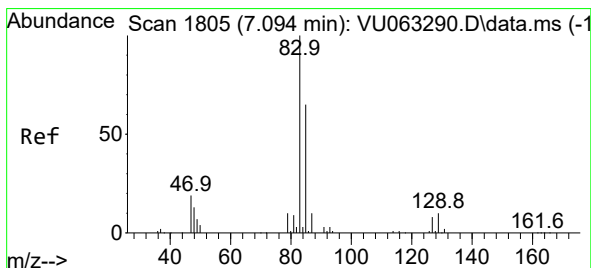
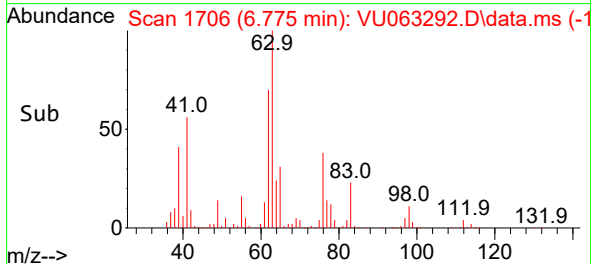
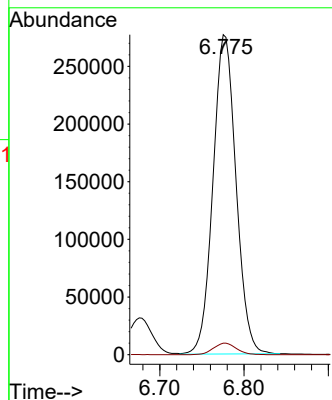
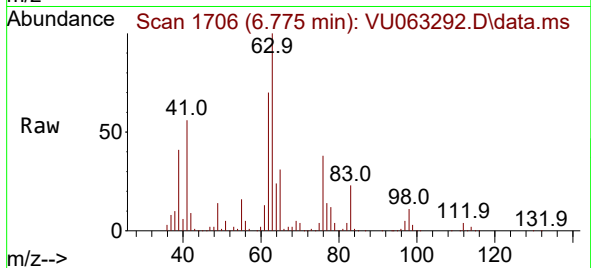
VSTD200031

Tgt Ion: 63 Resp: 525706

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



#38

Bromodichloromethane

Concen: 212.79 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

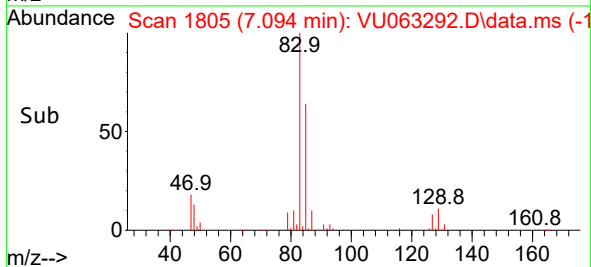
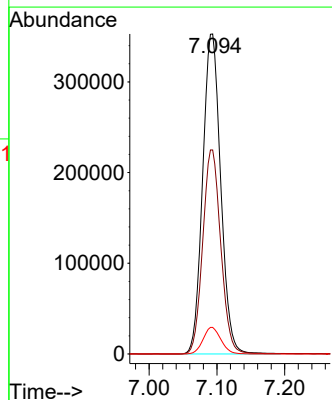
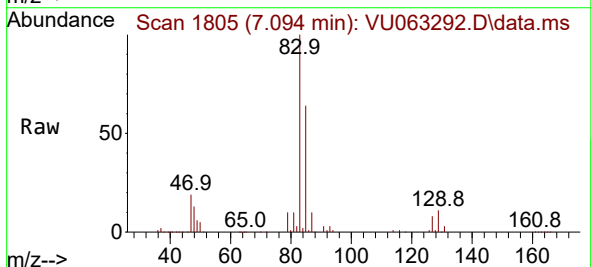
Tgt Ion: 83 Resp: 652169

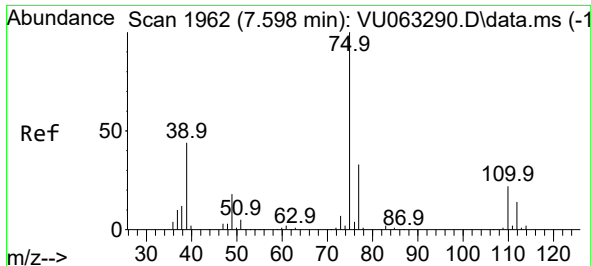
Ion Ratio Lower Upper

83 100

85 63.7 45.3 84.1

127 8.3 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 222.42 ug/L

RT: 7.595 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

Instrument :

MSVOA_U

ClientSampleId :

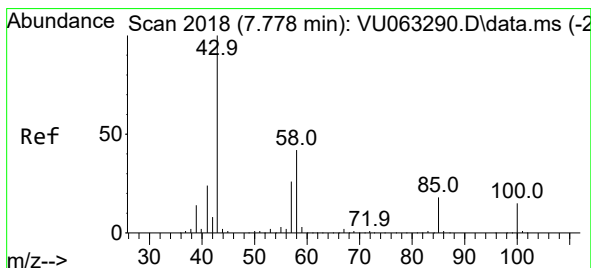
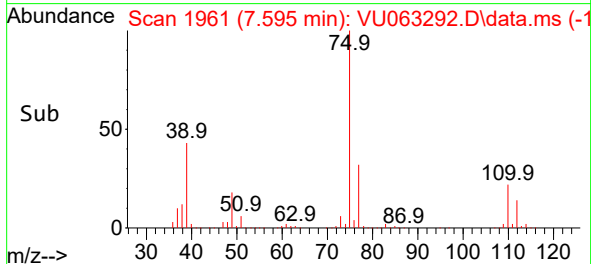
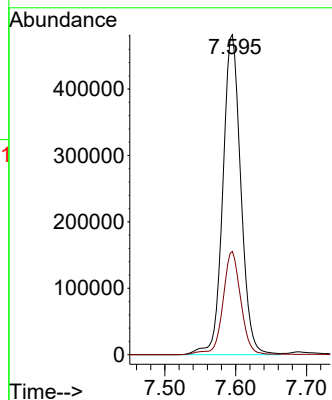
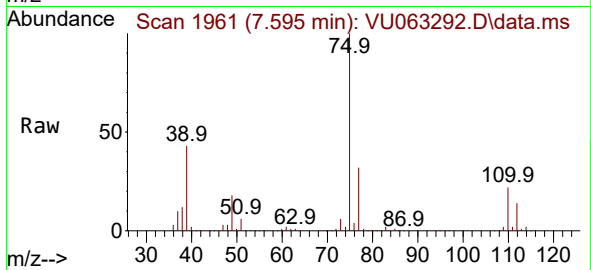
VSTD200031

Tgt Ion: 75 Resp: 850997

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 497.61 ug/L

RT: 7.775 min Scan# 2017

Delta R.T. -0.003 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

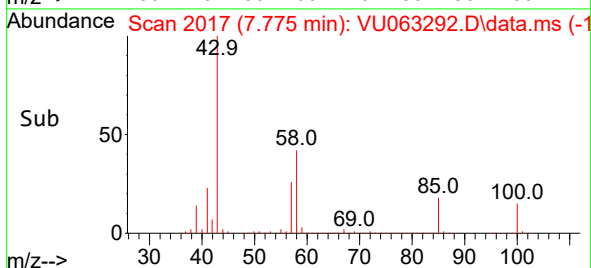
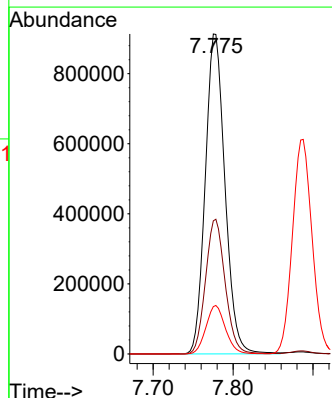
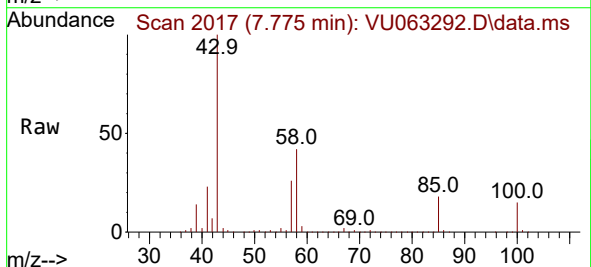
Tgt Ion: 43 Resp: 1565521

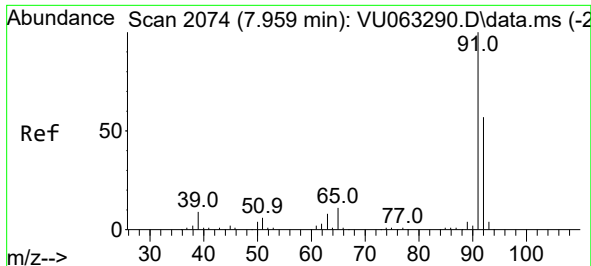
Ion Ratio Lower Upper

43 100

58 42.0 33.0 49.6

100 15.0 11.9 17.9

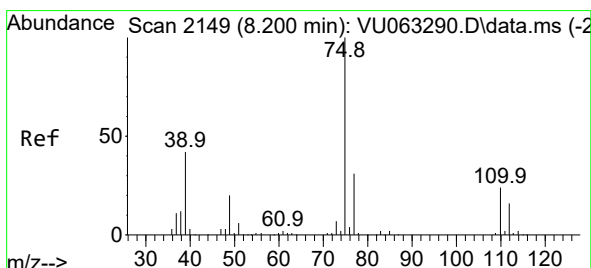
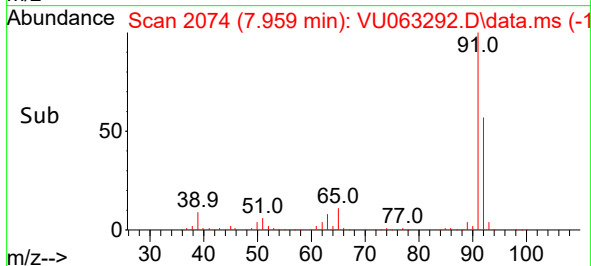
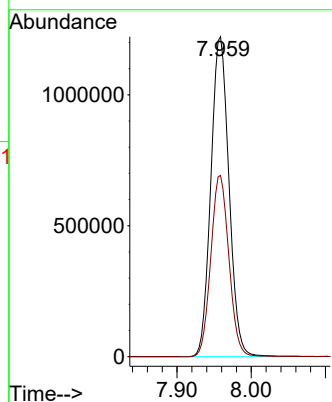
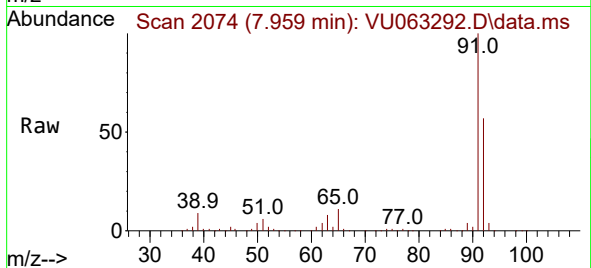




#42
Toluene
Concen: 207.37 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

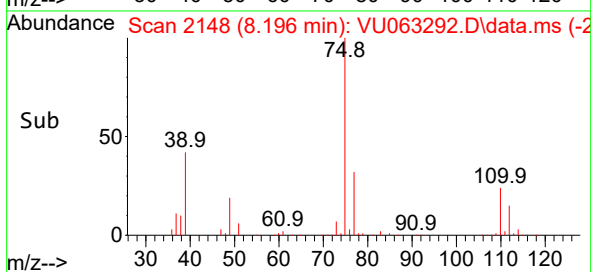
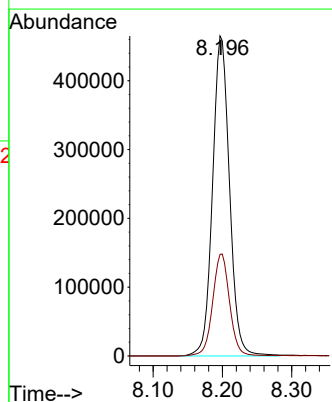
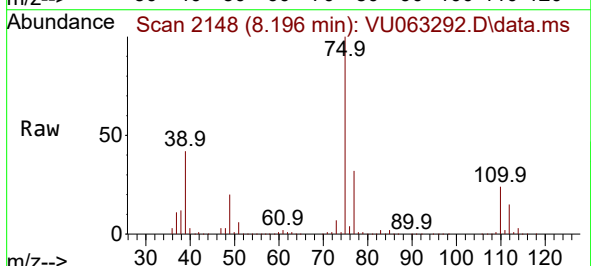
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

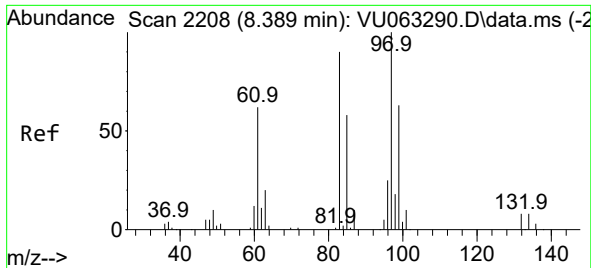
Tgt Ion: 91 Resp: 2065404
Ion Ratio Lower Upper
91 100
92 56.7 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 222.23 ug/L
RT: 8.196 min Scan# 2148
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion: 75 Resp: 788256
Ion Ratio Lower Upper
75 100
77 31.7 21.7 40.3

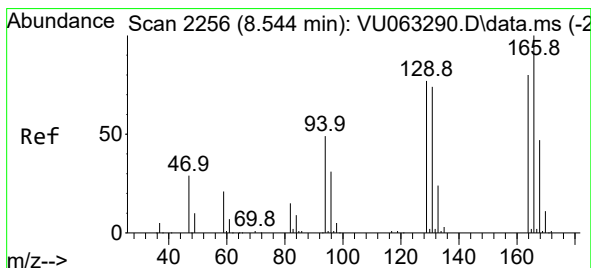
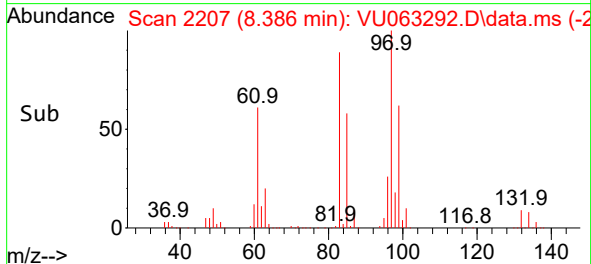
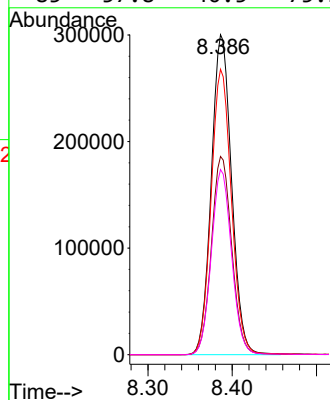
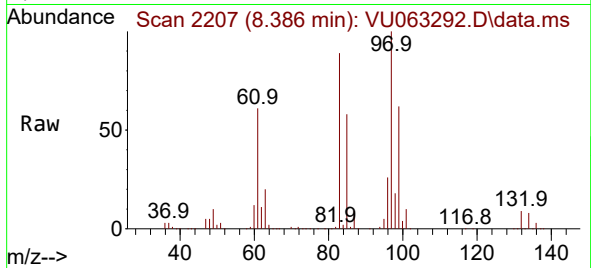




#45
1,1,2-Trichloroethane
Concen: 202.89 ug/L
RT: 8.386 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

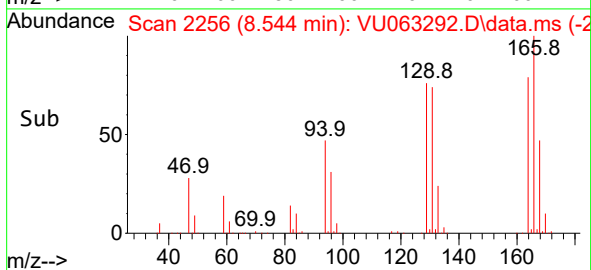
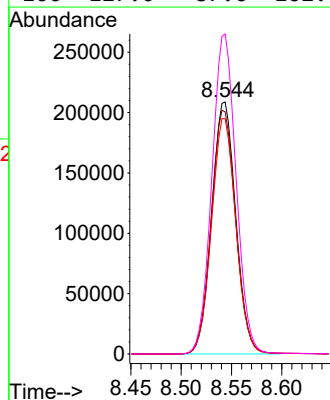
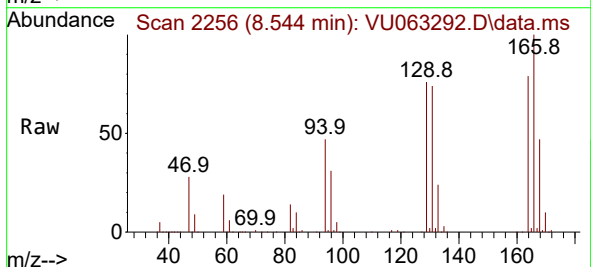
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

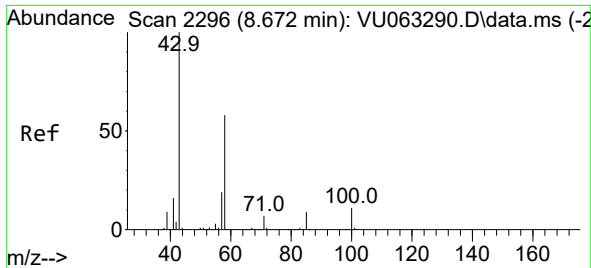
Tgt Ion: 97 Resp: 501863
Ion Ratio Lower Upper
97 100
99 62.0 44.4 82.4
83 89.2 63.3 117.5
85 57.8 40.5 75.1



#46
Tetrachloroethene
Concen: 195.94 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

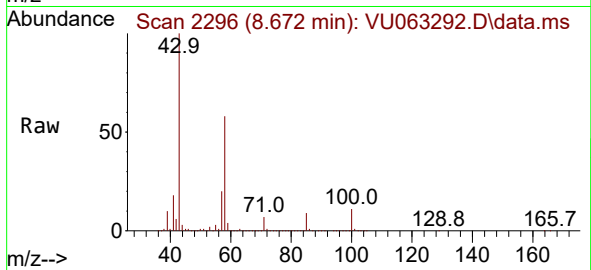
Tgt Ion: 164 Resp: 347805
Ion Ratio Lower Upper
164 100
129 96.1 67.8 125.8
131 93.3 64.3 119.5
166 127.0 87.6 162.6





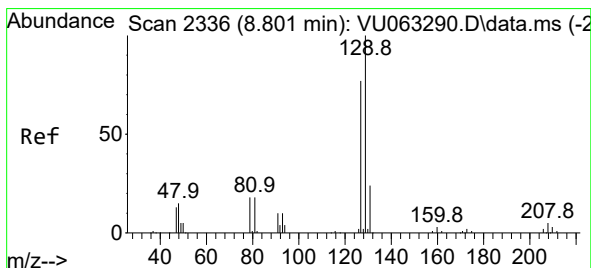
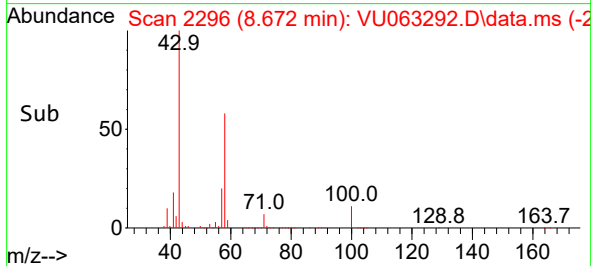
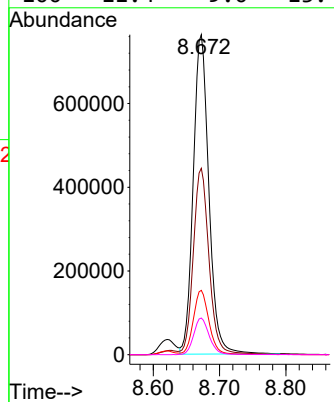
#48
2-Hexanone
Concen: 514.88 ug/L
RT: 8.672 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD200031



Tgt Ion: 43 Resp: 1246916

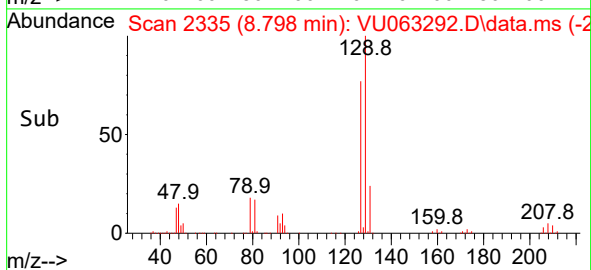
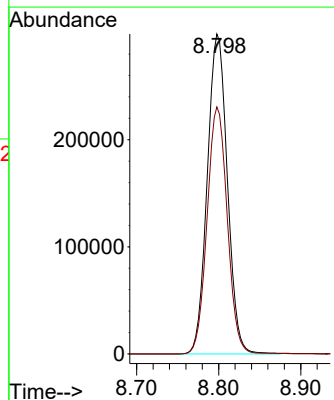
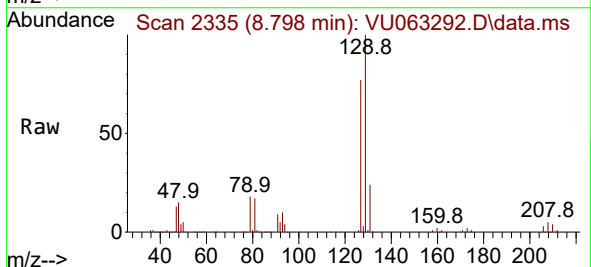
Ion	Ratio	Lower	Upper
43	100		
58	58.1	46.6	69.8
57	19.7	15.8	23.6
100	11.4	9.0	13.4

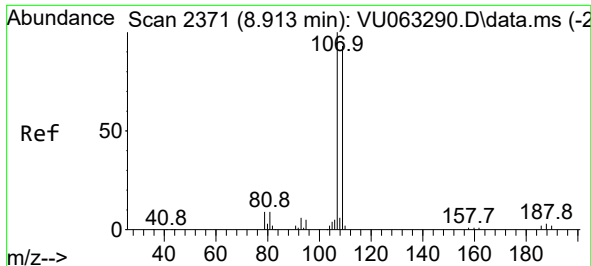


#49
Dibromochloromethane
Concen: 204.24 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion: 129 Resp: 508346

Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.0	100.4

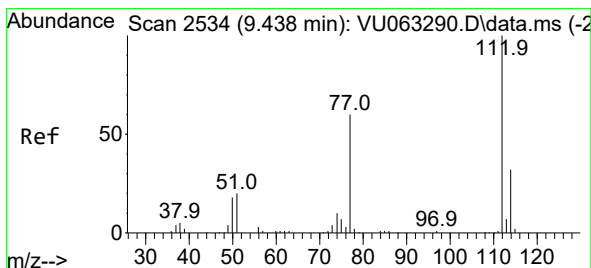
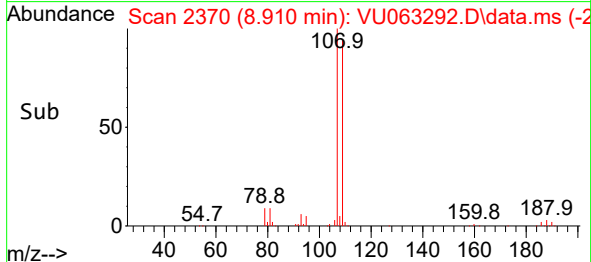
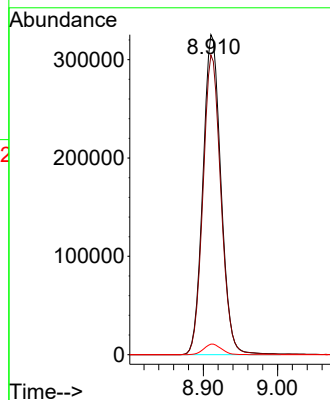
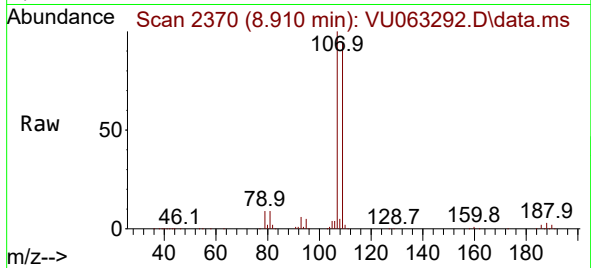




#50
1,2-Dibromoethane
Concen: 207.47 ug/L
RT: 8.910 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

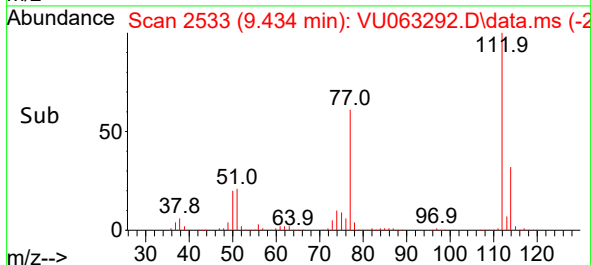
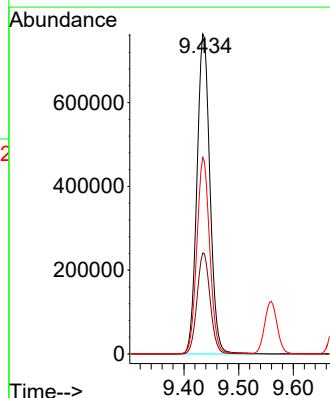
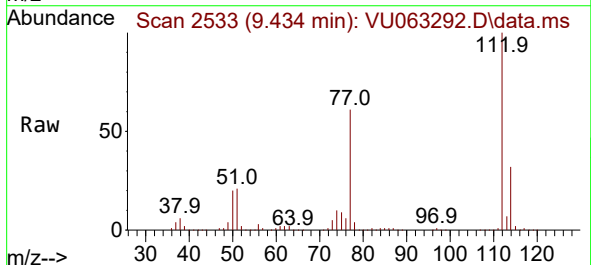
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

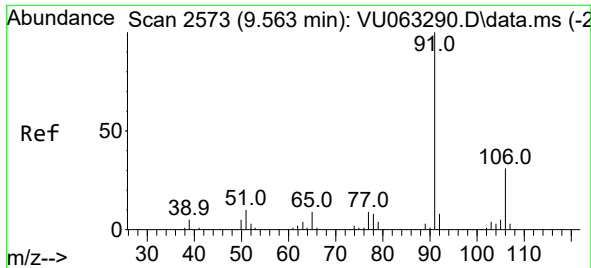
Tgt Ion:107 Resp: 549087
Ion Ratio Lower Upper
107 100
109 93.6 65.2 121.0
188 3.3 2.5 3.7



#51
Chlorobenzene
Concen: 203.40 ug/L
RT: 9.434 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion:112 Resp: 1260487
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 61.4 48.7 73.1

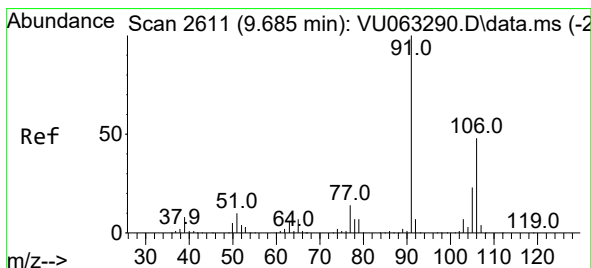
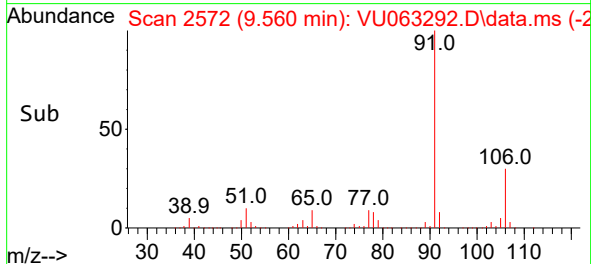
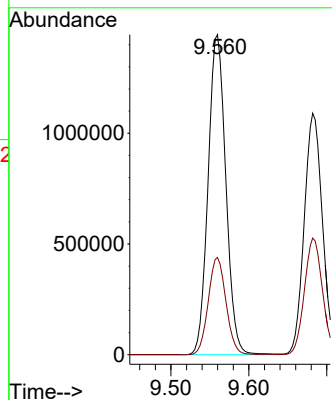
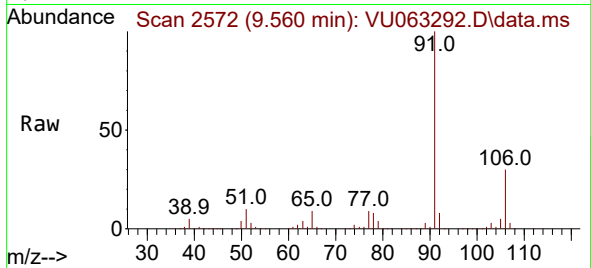




#52
Ethylbenzene
Concen: 213.26 ug/L
RT: 9.560 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

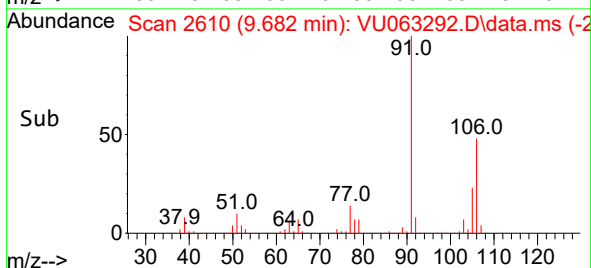
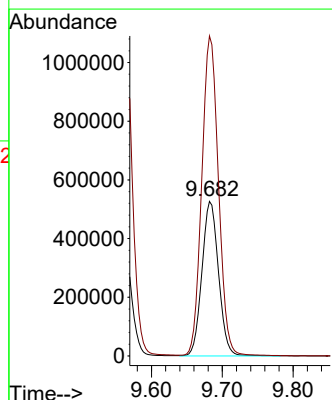
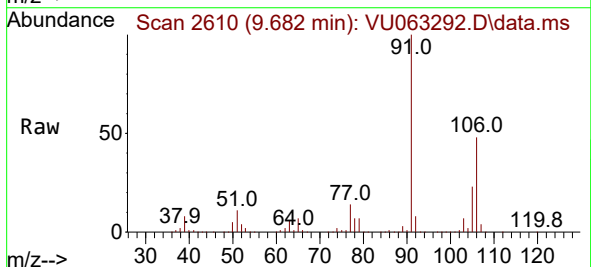
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

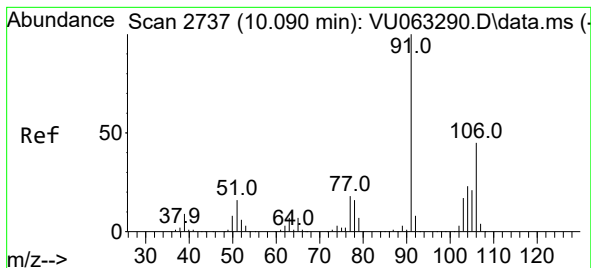
Tgt Ion: 91 Resp: 2286949
Ion Ratio Lower Upper
91 100
106 30.4 21.5 39.9



#53
m,p-Xylene
Concen: 214.45 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion: 106 Resp: 856183
Ion Ratio Lower Upper
106 100
91 206.9 147.3 273.6





#54

o-Xylene

Concen: 210.38 ug/L

RT: 10.090 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

Instrument :

MSVOA_U

ClientSampleId :

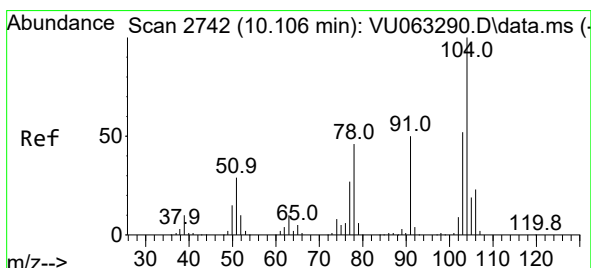
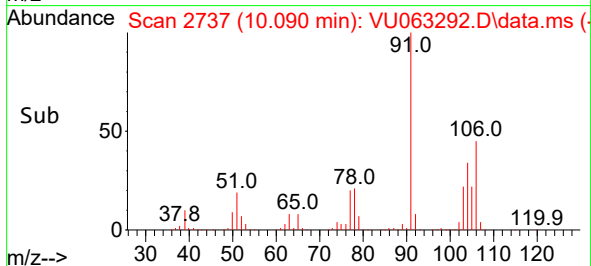
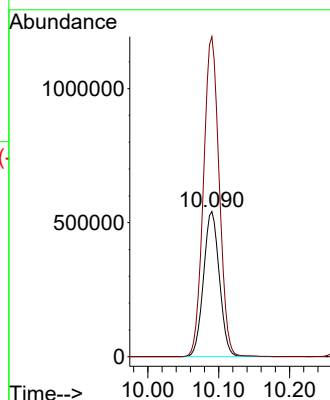
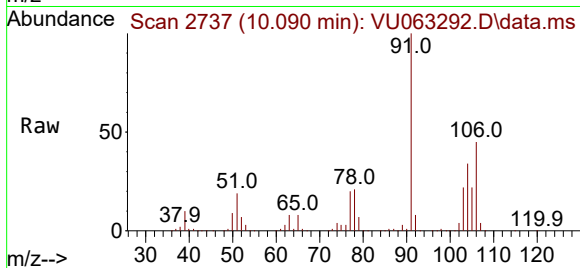
VSTD200031

Tgt Ion:106 Resp: 843144

Ion Ratio Lower Upper

106 100

91 220.5 156.7 291.1



#55

Styrene

Concen: 215.31 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. -0.003 min

Lab File: VU063292.D

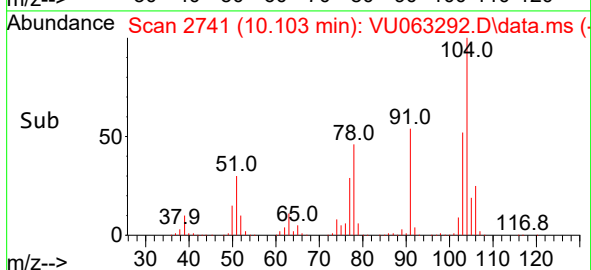
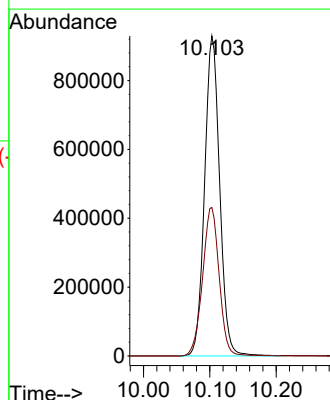
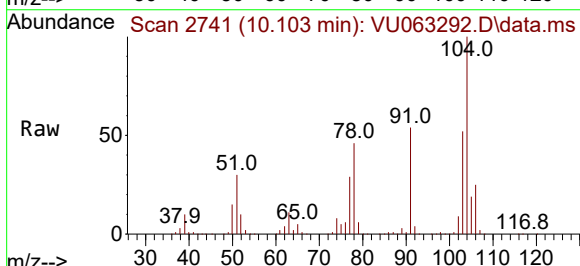
Acq: 17 Mar 2025 12:49

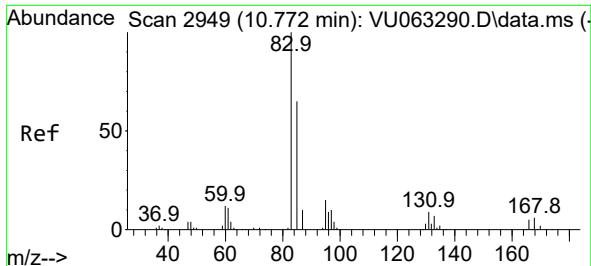
Tgt Ion:104 Resp: 1469717

Ion Ratio Lower Upper

104 100

78 46.4 32.4 60.2

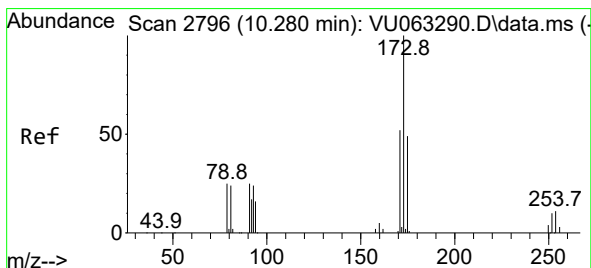
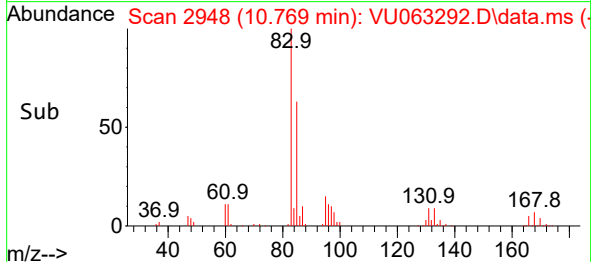
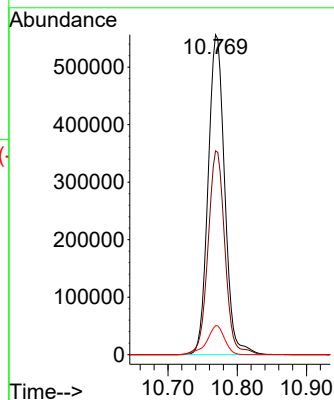
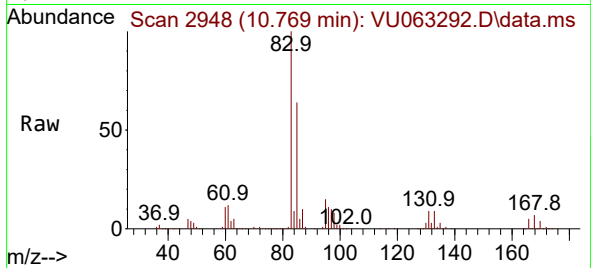




#57
1,1,2-Tetrachloroethane
Concen: 212.40 ug/L
RT: 10.769 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

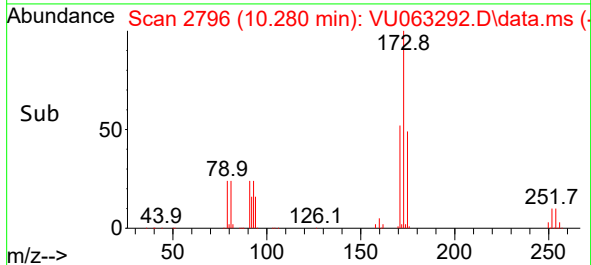
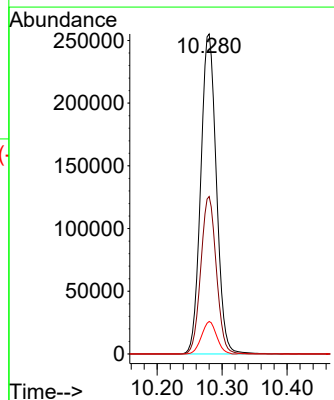
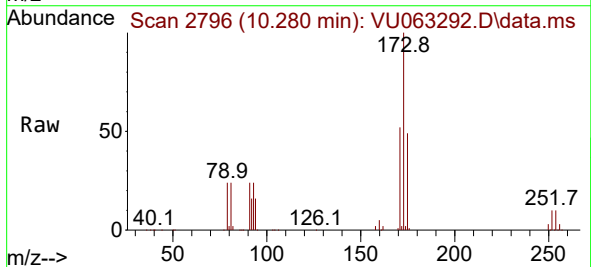
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

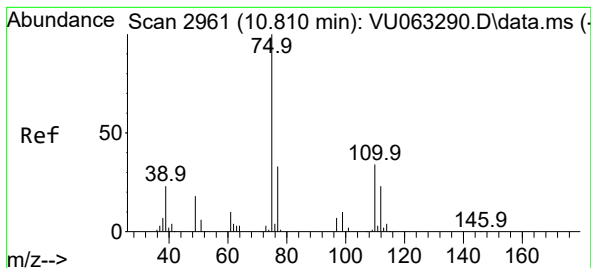
Tgt Ion: 83 Resp: 920161
Ion Ratio Lower Upper
83 100
85 63.7 45.6 84.8
131 9.0 7.1 10.7



#59
Bromoform
Concen: 202.18 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion:173 Resp: 428209
Ion Ratio Lower Upper
173 100
175 48.8 38.6 57.8
254 9.9 7.8 11.6





#60

1,2,3-Trichloropropane

Concen: 207.12 ug/L

RT: 10.810 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD200031

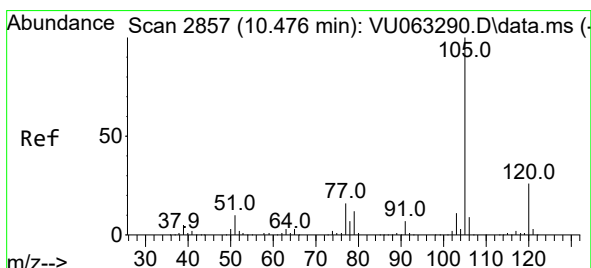
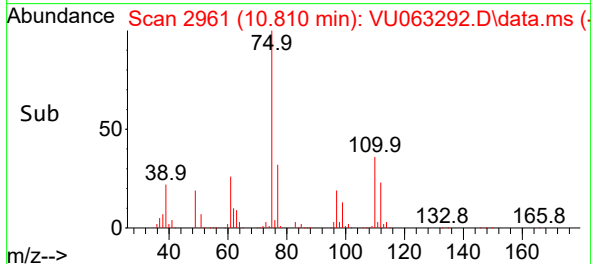
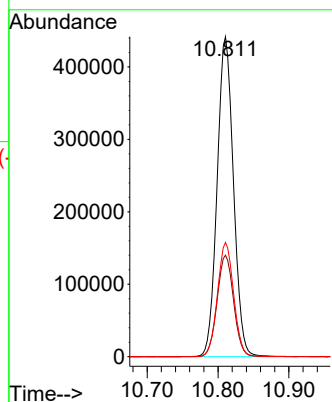
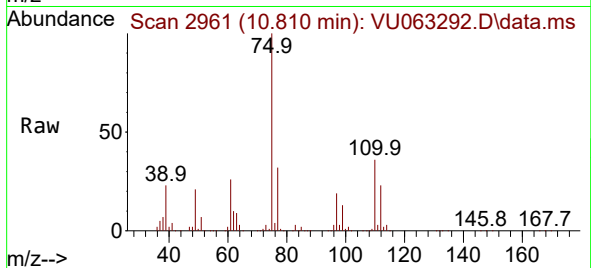
Tgt Ion: 75 Resp: 705565

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9

110 35.5 27.8 41.8



#61

Isopropylbenzene

Concen: 208.11 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.003 min

Lab File: VU063292.D

Acq: 17 Mar 2025 12:49

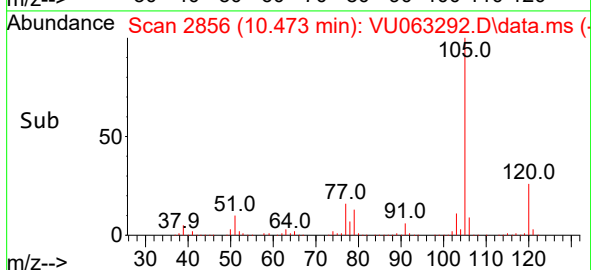
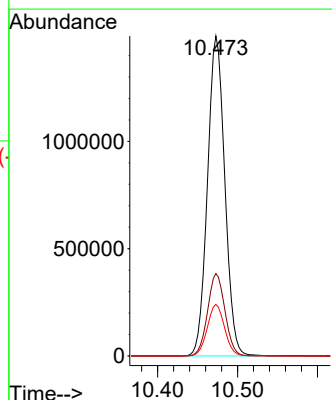
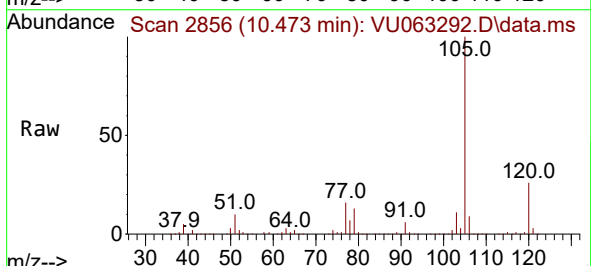
Tgt Ion:105 Resp: 2250231

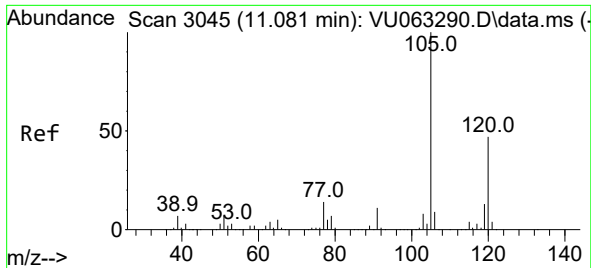
Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 16.1 13.0 19.4

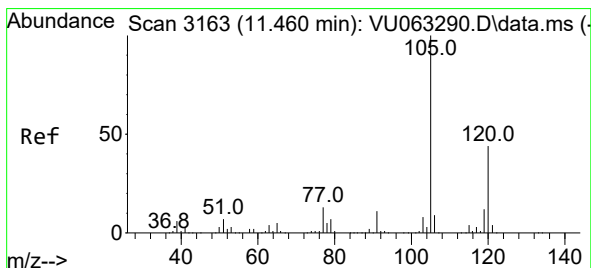
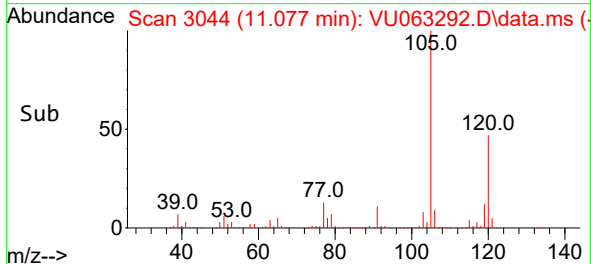
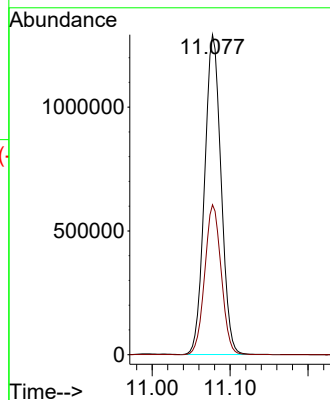
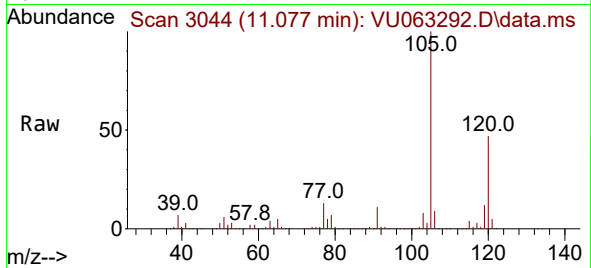




#62
 1,3,5-Trimethylbenzene
 Concen: 215.29 ug/L
 RT: 11.077 min Scan# 3044
 Delta R.T. -0.003 min
 Lab File: VU063292.D
 Acq: 17 Mar 2025 12:49

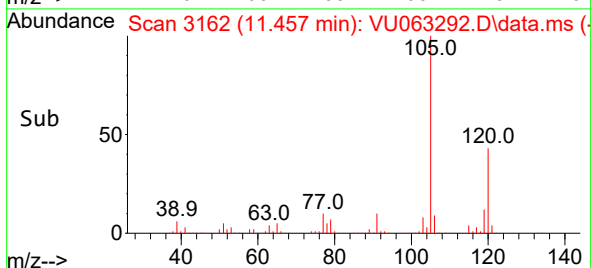
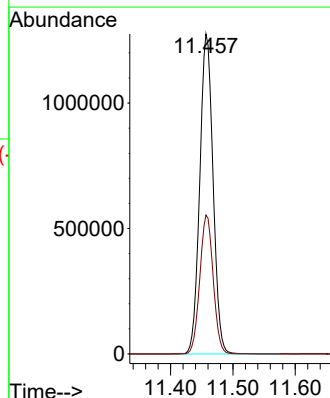
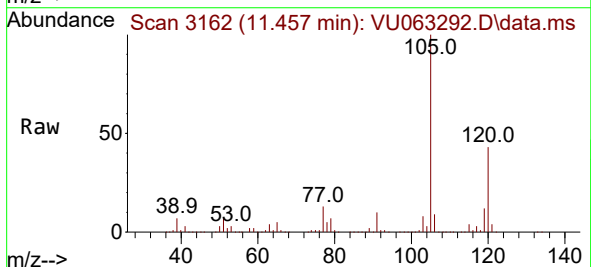
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200031

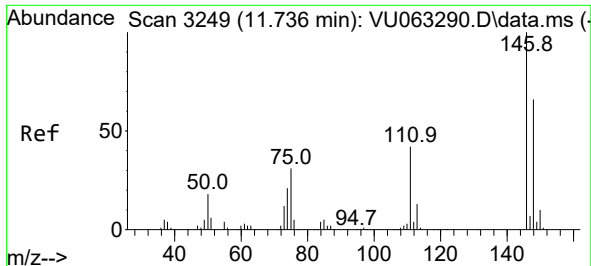
Tgt Ion:105 Resp: 1895760
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 216.91 ug/L
 RT: 11.457 min Scan# 3162
 Delta R.T. -0.003 min
 Lab File: VU063292.D
 Acq: 17 Mar 2025 12:49

Tgt Ion:105 Resp: 1888562
 Ion Ratio Lower Upper
 105 100
 120 43.6 35.4 53.2

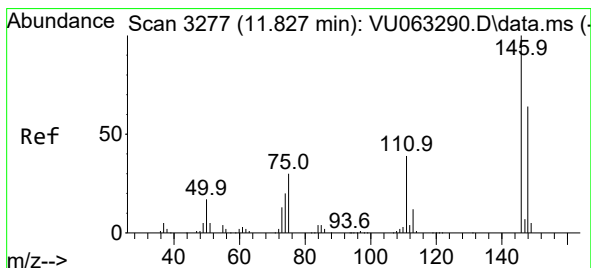
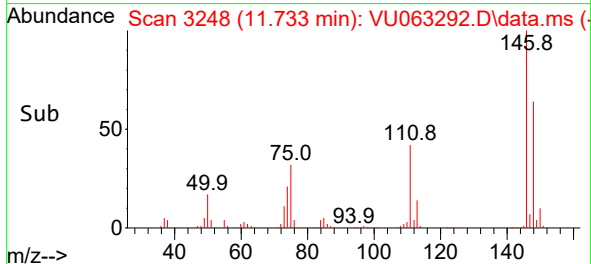
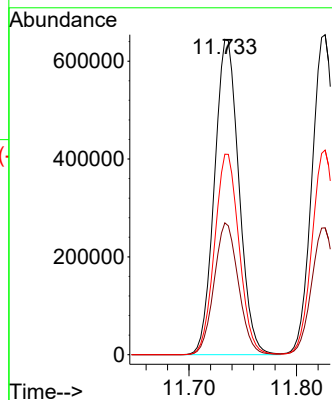
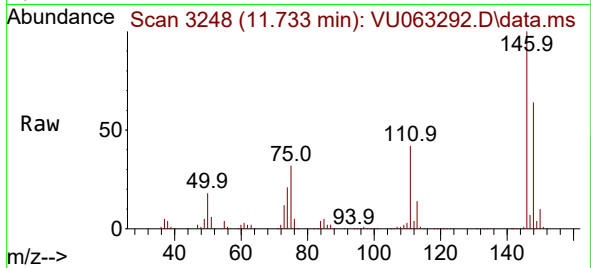




#64
1,3-Dichlorobenzene
Concen: 197.31 ug/L
RT: 11.733 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

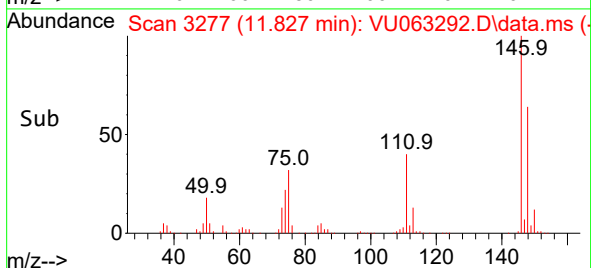
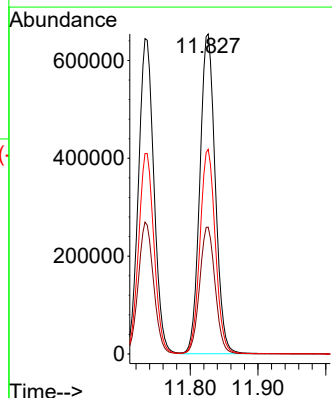
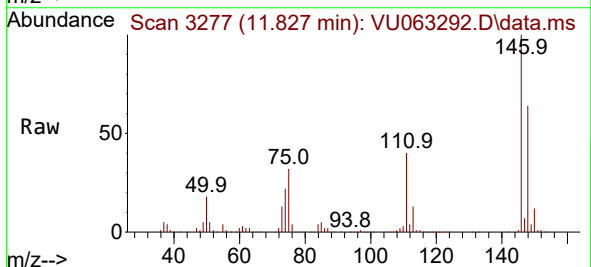
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

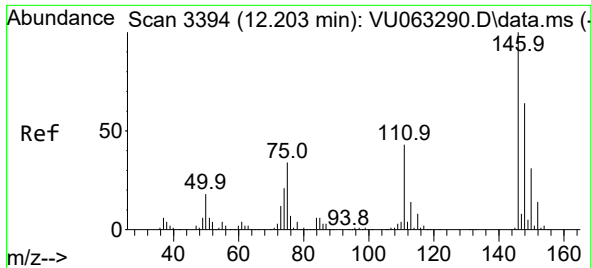
Tgt Ion:146 Resp: 1019487
Ion Ratio Lower Upper
146 100
111 41.8 29.2 54.2
148 63.6 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 192.75 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion:146 Resp: 1033126
Ion Ratio Lower Upper
146 100
111 39.7 27.5 51.1
148 64.0 44.7 82.9

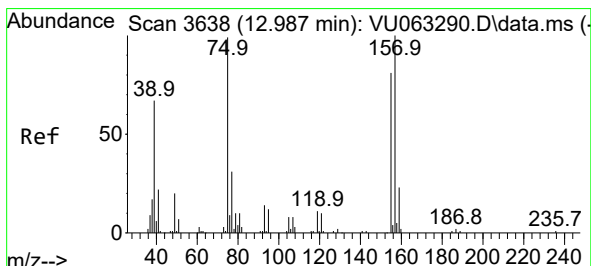
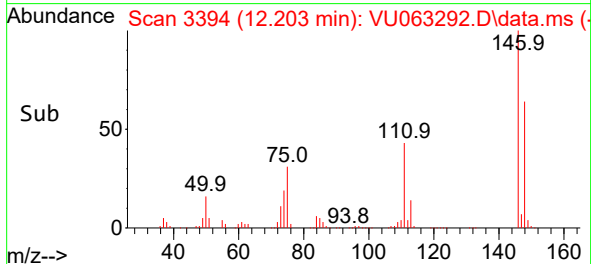
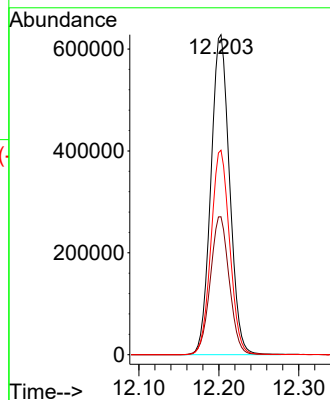
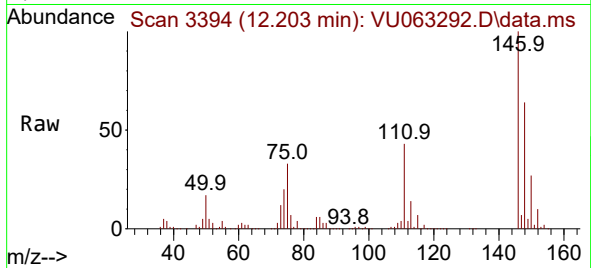




#67
1,2-Dichlorobenzene
Concen: 199.70 ug/L
RT: 12.203 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

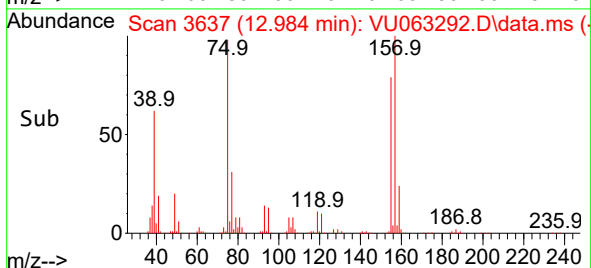
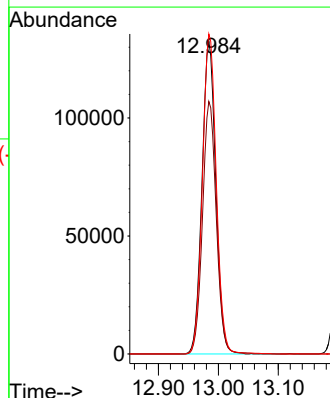
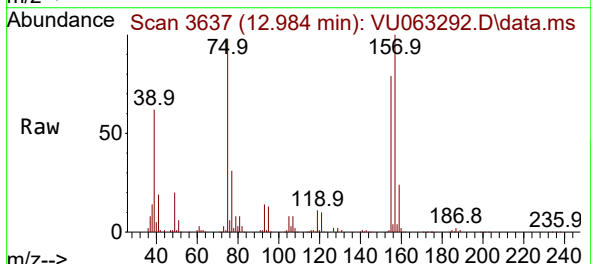
Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

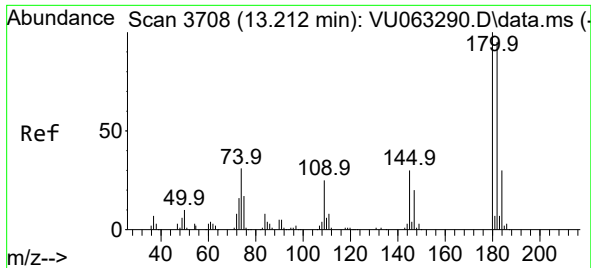
Tgt Ion:146 Resp: 1019683
Ion Ratio Lower Upper
146 100
111 43.1 34.7 52.1
148 63.9 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 231.63 ug/L
RT: 12.984 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion: 75 Resp: 213434
Ion Ratio Lower Upper
75 100
155 80.8 68.4 102.6
157 102.4 84.2 126.4

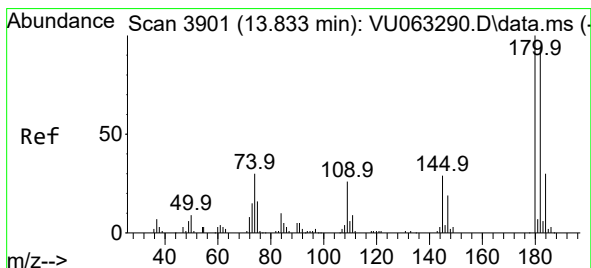
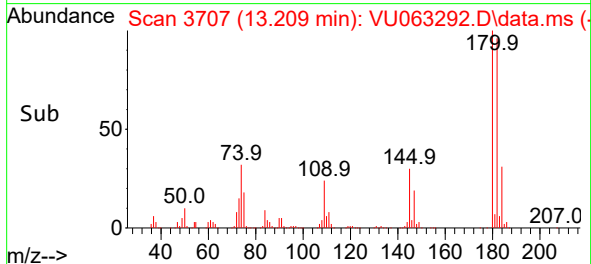
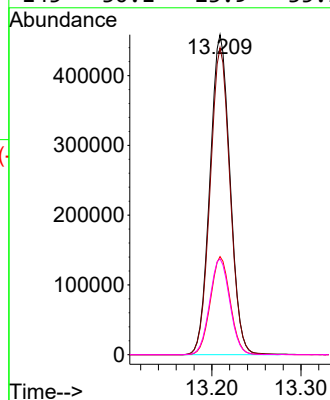
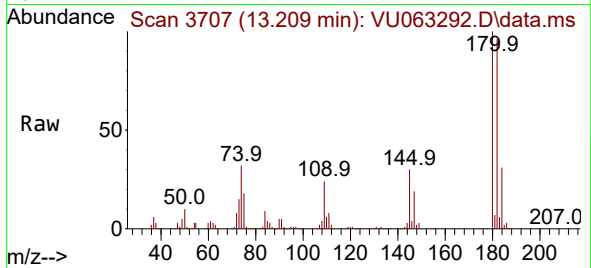




#69
 1,3,5-Trichlorobenzene
 Concen: 205.34 ug/L
 RT: 13.209 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU063292.D
 Acq: 17 Mar 2025 12:49

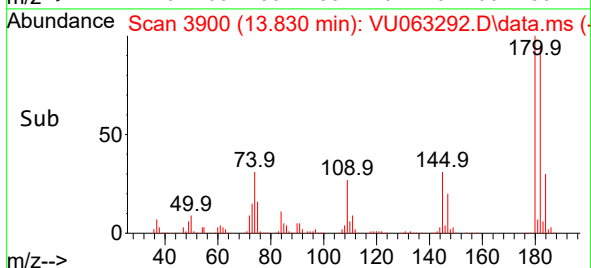
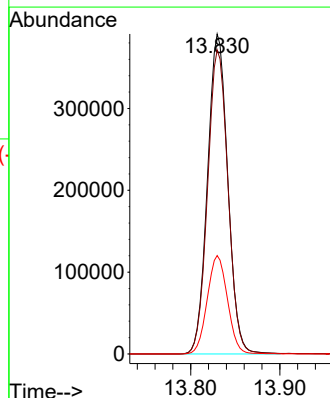
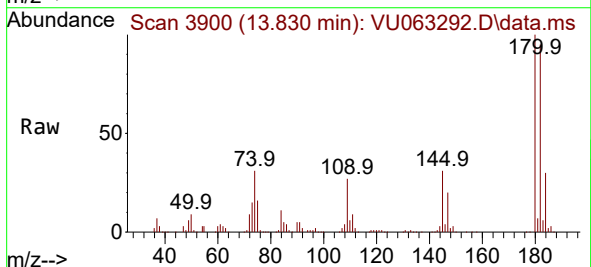
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200031

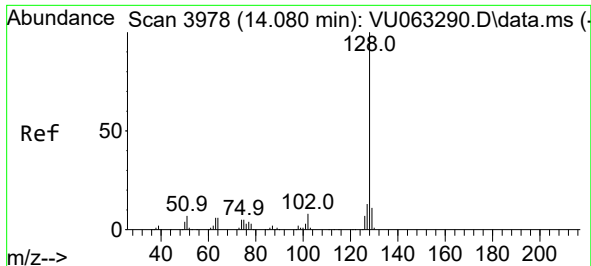
Tgt Ion:180 Resp: 715951
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.2 115.8
 184 30.2 24.3 36.5
 145 30.1 23.9 35.9



#70
 1,2,4-trichlorobenzene
 Concen: 207.01 ug/L
 RT: 13.830 min Scan# 3900
 Delta R.T. -0.003 min
 Lab File: VU063292.D
 Acq: 17 Mar 2025 12:49

Tgt Ion:180 Resp: 617428
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.8 113.8
 145 30.7 24.0 36.0

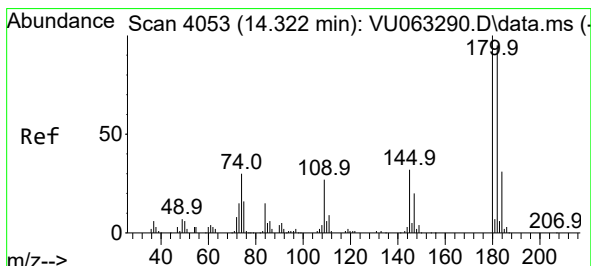
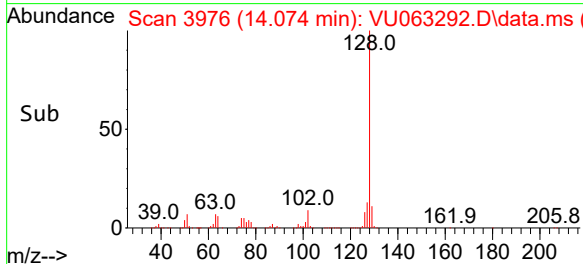
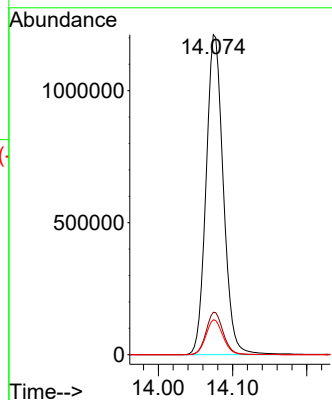
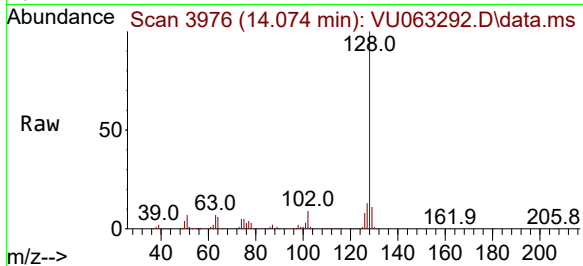




#71
Naphthalene
Concen: 215.90 ug/L
RT: 14.074 min Scan# 3978
Delta R.T. -0.006 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD200031

Tgt Ion:128 Resp: 1948654
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 211.76 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. -0.003 min
Lab File: VU063292.D
Acq: 17 Mar 2025 12:49

Tgt Ion:180 Resp: 611587
Ion Ratio Lower Upper
180 100
182 96.0 77.3 115.9
145 32.7 25.7 38.5

