

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022125\
 Data File : VU063275.D
 Acq On : 21 Feb 2025 14:51
 Operator : MD/SY
 Sample : VSTD020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020010

Quant Time: Feb 24 11:17:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Feb 24 11:14:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	206148	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	204605	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	105975	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	351512	27.02	ug/L	0.00
7) Chloroethane-d5	1.895	69	287747	24.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	143717	25.50	ug/L	0.00
20) 2-Butanone-d5	4.599	46	828298	215.39	ug/L	0.00
24) Chloroform-d	5.046	84	657076	24.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	329223	23.69	ug/L	0.00
32) Benzene-d6	5.711	84	1316479	23.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	416613	22.90	ug/L	0.00
41) Toluene-d8	7.885	98	1213880	24.53	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	166490	24.62	ug/L	0.00
46) 2-Hexanone-d5	8.618	63	715447	221.89	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	344352	21.96	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.180	152	412073	22.31	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	374223	20.83	ug/L	99
3) Chloromethane	1.515	50	407583	20.40	ug/L	100
5) Vinyl chloride	1.599	62	417164	20.75	ug/L	100
6) Bromomethane	1.833	94	253886	24.31	ug/L	100
8) Chloroethane	1.917	64	249886	20.65	ug/L	98
9) Trichlorofluoromethane	2.126	101	477969	21.28	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	304166	22.06	ug/L	99
12) 1,1-Dichloroethene	2.567	96	294145	21.51	ug/L	96
13) Acetone	2.608	43	469206	192.13	ug/L	100
14) Carbon disulfide	2.779	76	965424	20.41	ug/L	99
15) Methyl Acetate	2.933	43	131669	20.03	ug/L	99
16) Methylene chloride	3.030	84	344275	20.99	ug/L	99
17) Methyl tert-butyl Ether	3.345	73	806571	21.74	ug/L	99
18) trans-1,2-Dichloroethene	3.335	96	317947	21.89	ug/L	100
19) 1,1-Dichloroethane	3.849	63	628960	21.40	ug/L	99
21) 2-Butanone	4.679	43	838546	209.66	ug/L	99
22) cis-1,2-Dichloroethene	4.650	96	373551	22.86	ug/L	100
23) Bromochloromethane	4.955	128	158010	21.61	ug/L	97
25) Chloroform	5.068	83	631281	21.80	ug/L	97
27) 1,2-Dichloroethane	5.775	62	407684	21.57	ug/L	99
29) 1,1,1-Trichloroethane	5.300	97	515637	21.14	ug/L	99
30) Cyclohexane	5.373	56	548373	21.76	ug/L	99
31) Carbon tetrachloride	5.509	117	435619	21.26	ug/L	100
33) Benzene	5.759	78	1433920	21.09	ug/L	100
34) Trichloroethene	6.528	95	363306	21.14	ug/L	98
35) Methylcyclohexane	6.750	83	574510	22.76	ug/L	98
37) 1,2-Dichloropropane	6.775	63	377518	20.96	ug/L	99
38) Bromodichloromethane	7.090	83	456760	21.00	ug/L	99
39) cis-1,3-Dichloropropene	7.592	75	576356	22.36	ug/L	97
40) 4-Methyl-2-pentanone	7.775	43	2181986	208.56	ug/L	99
42) Toluene	7.955	91	1543597	21.80	ug/L	100
44) trans-1,3-Dichloropropene	8.197	75	474682	22.07	ug/L	99

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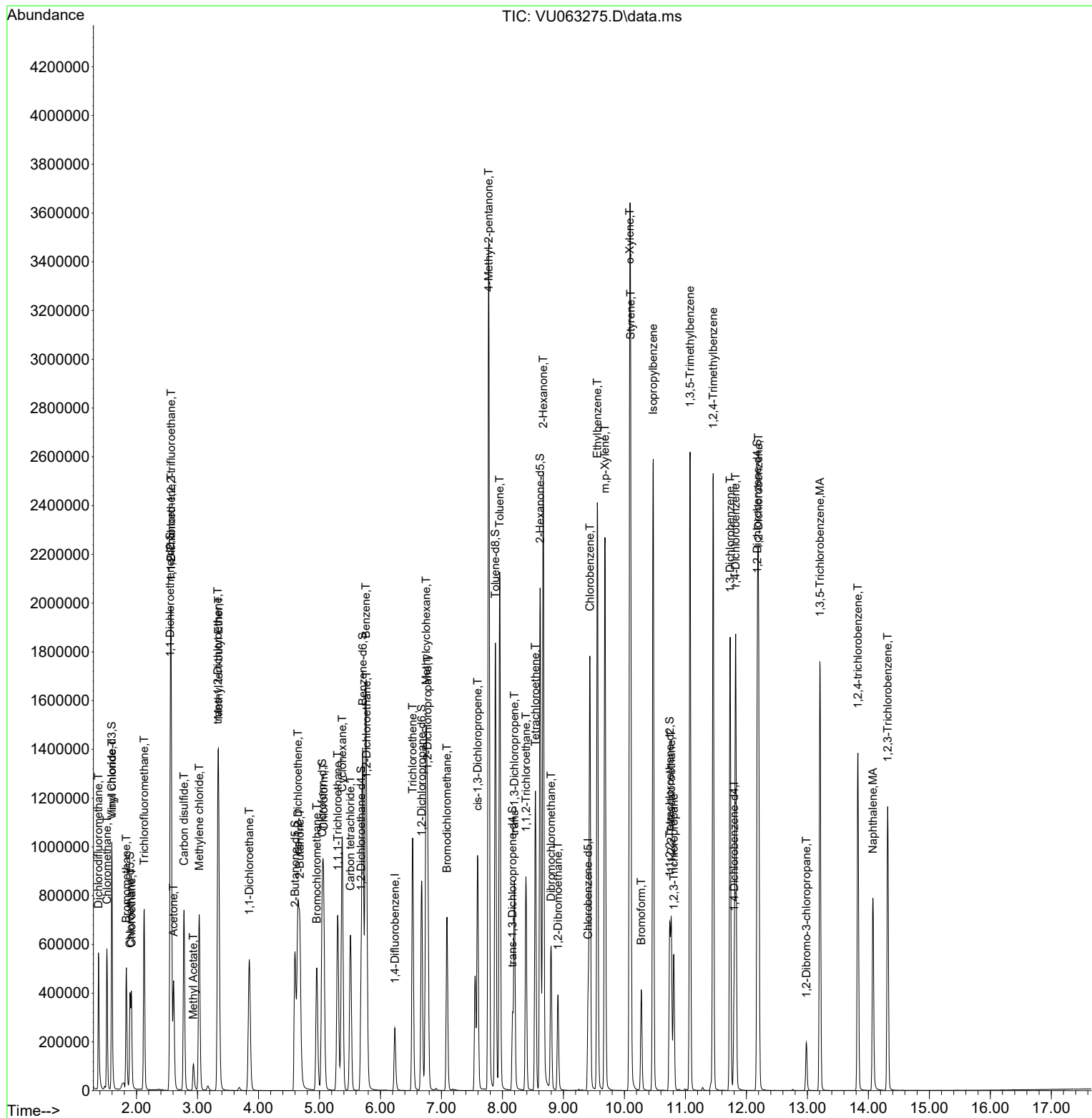
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	271783	20.47	ug/L	99
47) Tetrachloroethene	8.541	164	261336	21.76	ug/L	98
48) 2-Hexanone	8.669	43	1563235	212.75	ug/L	98
49) Dibromochloromethane	8.798	129	297094	21.26	ug/L	97
50) 1,2-Dibromoethane	8.910	107	257584	21.12	ug/L	99
51) Chlorobenzene	9.434	112	930810	21.75	ug/L	100
52) Ethylbenzene	9.557	91	1699924	23.16	ug/L	97
53) m,p-Xylene	9.682	106	627951	23.53	ug/L	95
54) o-Xylene	10.087	106	619442	23.55	ug/L	99
55) Styrene	10.103	104	1056672	24.38	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.769	83	353240	20.77	ug/L	100
59) Bromoform	10.277	173	180203	19.67	ug/L	100
60) Isopropylbenzene	10.473	105	1662762	22.02	ug/L	100
61) 1,2,3-Trichloropropane	10.811	75	235624	18.38	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	1393284	23.46	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	1367253	24.20	ug/L	99
64) 1,3-Dichlorobenzene	11.733	146	733606	21.32	ug/L	99
65) 1,4-Dichlorobenzene	11.823	146	729411	21.13	ug/L	99
67) 1,2-Dichlorobenzene	12.200	146	686824	21.33	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	51569	20.28	ug/L	97
69) 1,3,5-Trichlorobenzene	13.206	180	538238	23.09	ug/L	98
70) 1,2,4-trichlorobenzene	13.830	180	418993	23.23	ug/L	99
71) Naphthalene	14.074	128	652890	22.57	ug/L	98
72) 1,2,3-Trichlorobenzene	14.318	180	360237	22.49	ug/L	100

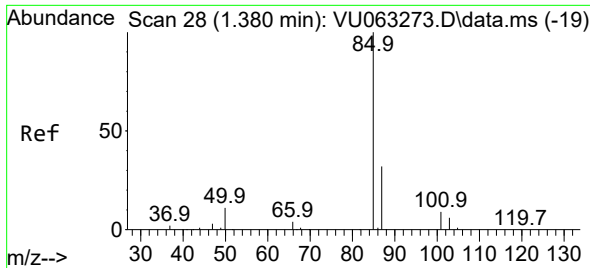
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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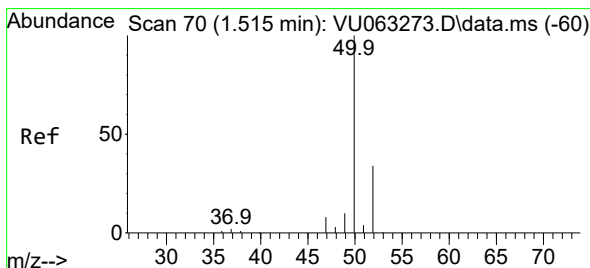
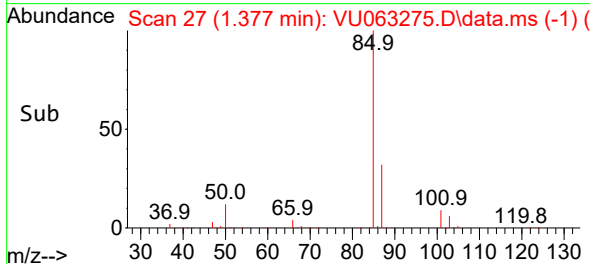
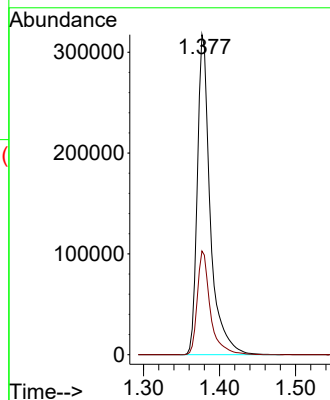
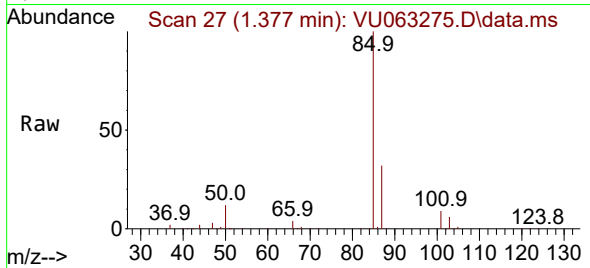




#2
 Dichlorodifluoromethane
 Concen: 20.83 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU063275.D
 Acq: 21 Feb 2025 14:51

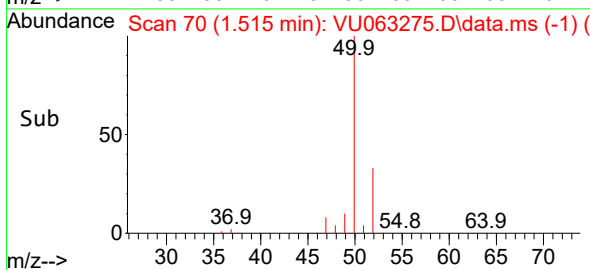
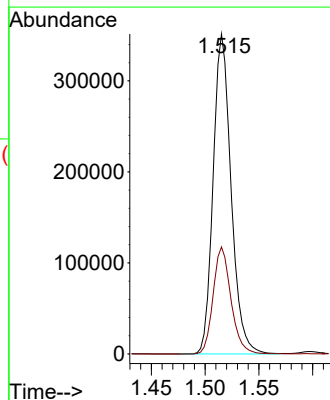
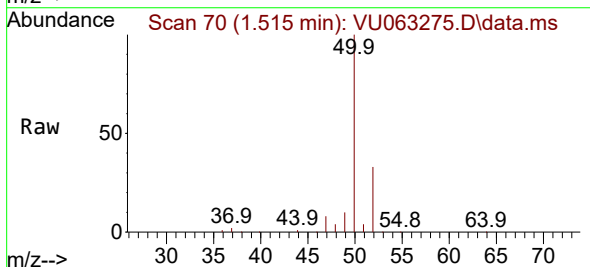
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020010

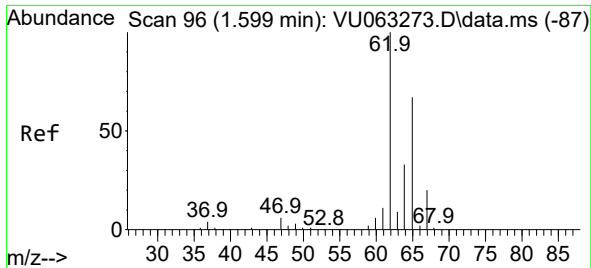
Tgt Ion: 85 Resp: 374223
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.5 38.3



#3
 Chloromethane
 Concen: 20.40 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063275.D
 Acq: 21 Feb 2025 14:51

Tgt Ion: 50 Resp: 407583
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.5 43.7

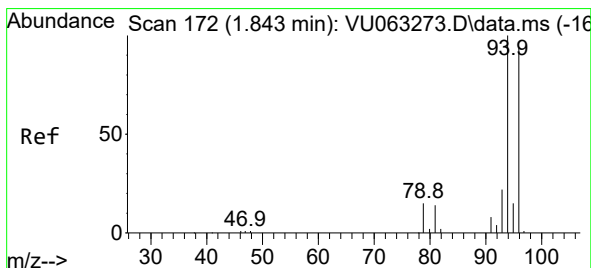
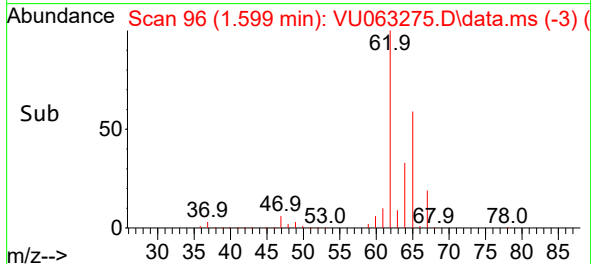
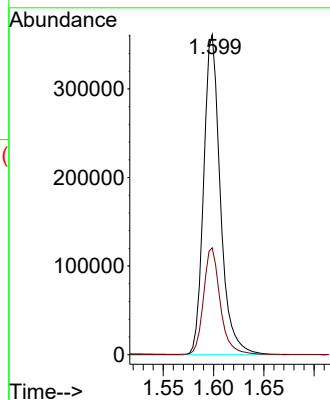
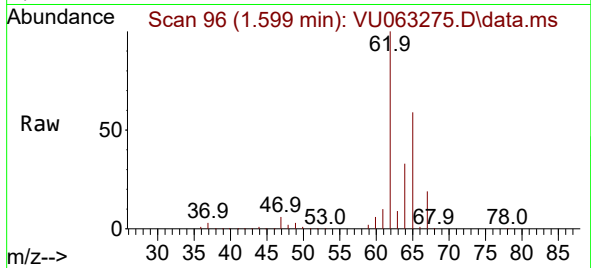




#5
 Vinyl chloride
 Concen: 20.75 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU063275.D
 Acq: 21 Feb 2025 14:51

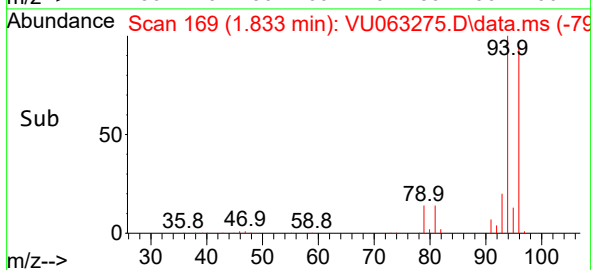
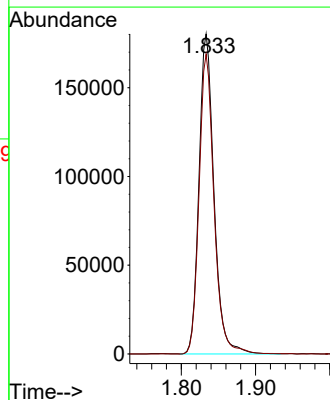
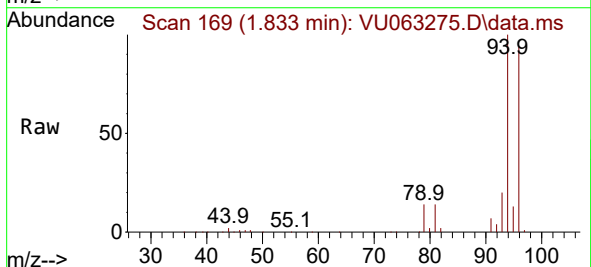
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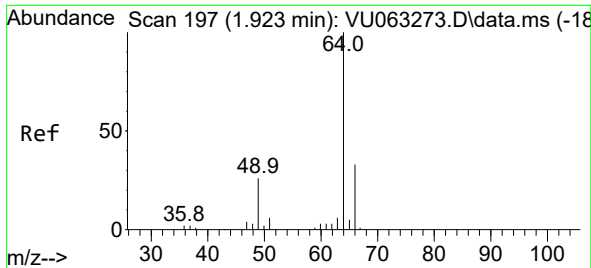
Tgt Ion: 62 Resp: 417164
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.3 43.3



#6
 Bromomethane
 Concen: 24.31 ug/L
 RT: 1.833 min Scan# 169
 Delta R.T. -0.010 min
 Lab File: VU063275.D
 Acq: 21 Feb 2025 14:51

Tgt Ion: 94 Resp: 253886
 Ion Ratio Lower Upper
 94 100
 96 93.6 65.6 121.8

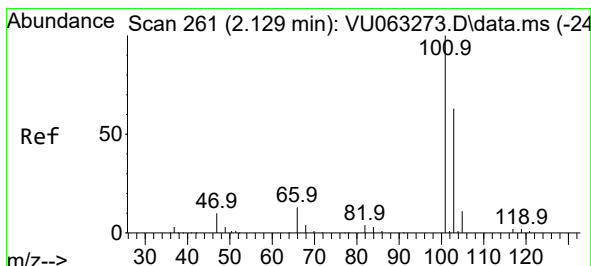
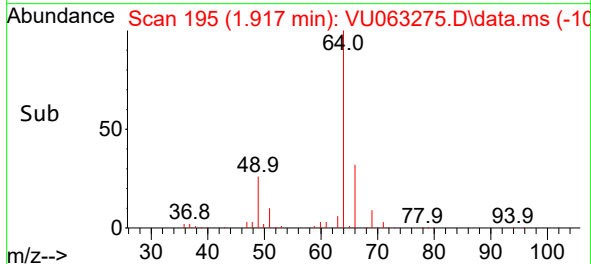
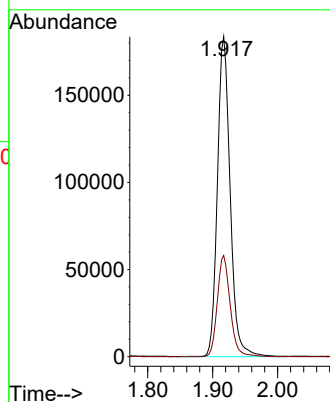
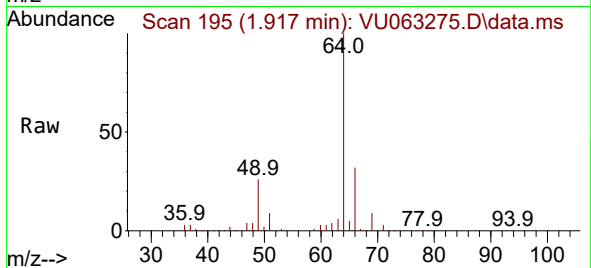




#8
Chloroethane
Concen: 20.65 ug/L
RT: 1.917 min Scan# 19
Delta R.T. -0.006 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

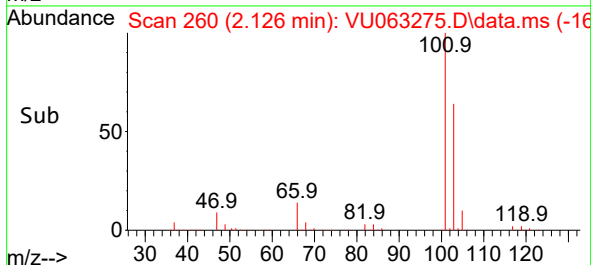
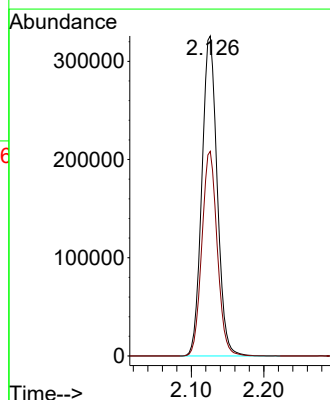
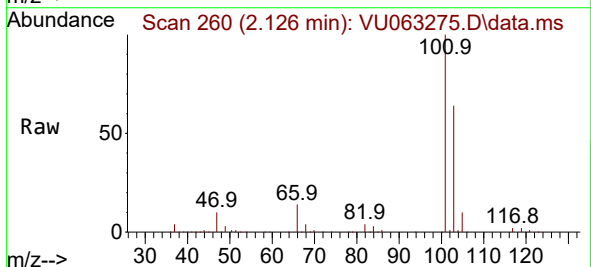
Instrument :
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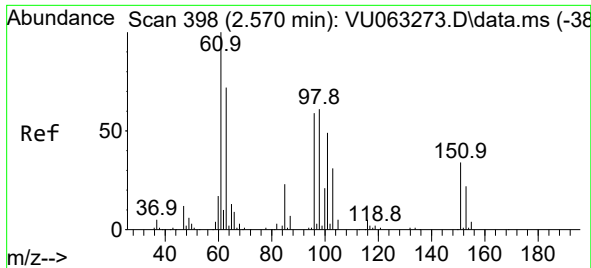
Tgt Ion: 64 Resp: 249886
Ion Ratio Lower Upper
64 100
66 31.6 22.7 42.3



#9
Trichlorofluoromethane
Concen: 21.28 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion:101 Resp: 477969
Ion Ratio Lower Upper
101 100
103 64.2 50.8 76.2

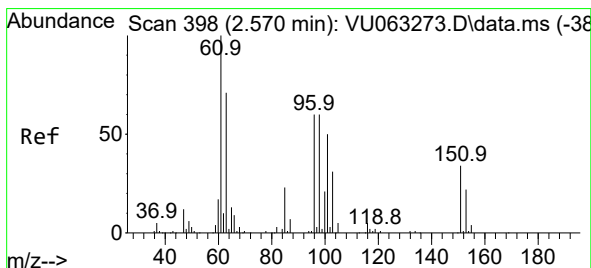
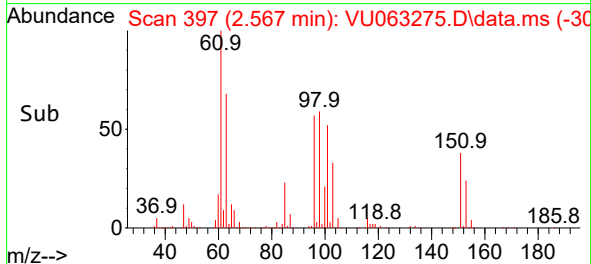
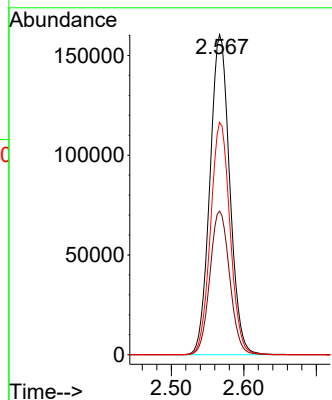
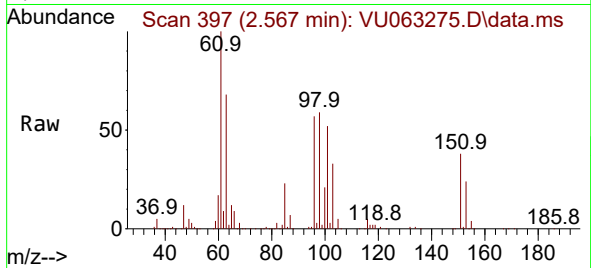




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 22.06 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

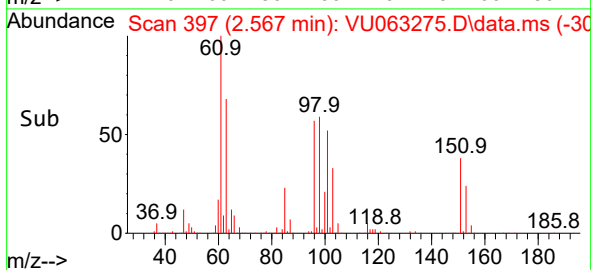
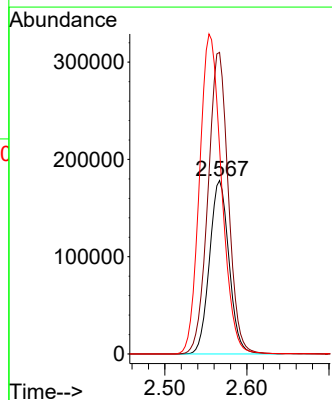
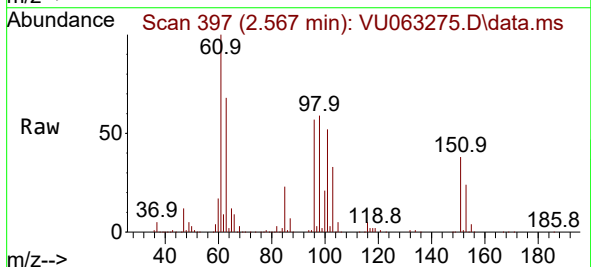
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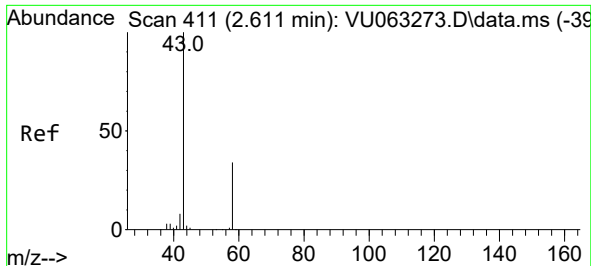
Tgt Ion:101 Resp: 304166
Ion Ratio Lower Upper
101 100
85 44.8 35.8 53.6
151 71.8 56.4 84.6



#12
1,1-Dichloroethene
Concen: 21.51 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion: 96 Resp: 294145
Ion Ratio Lower Upper
96 100
61 173.9 117.8 218.8
63 119.1 86.0 159.6





#13

Acetone

Concen: 192.13 ug/L

RT: 2.608 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

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ClientSampleId :

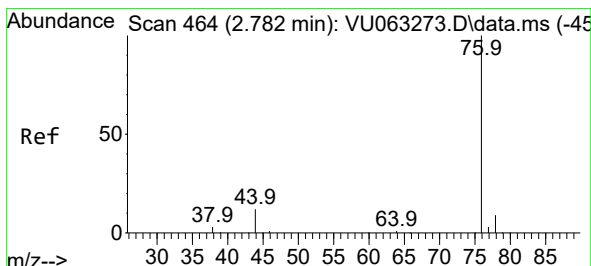
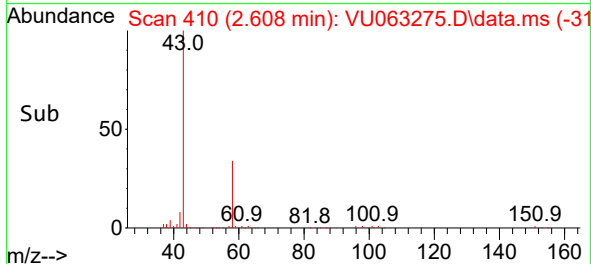
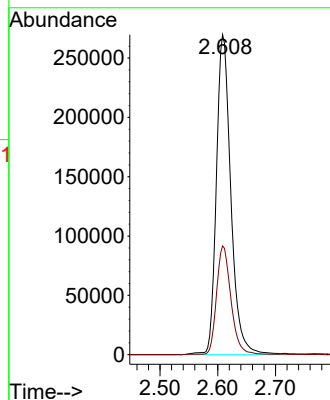
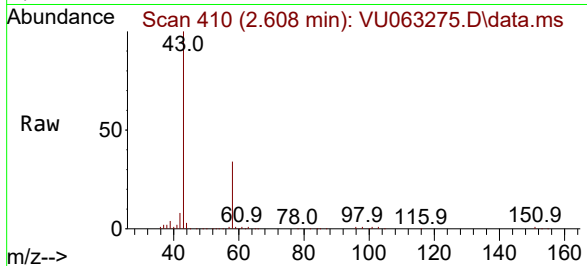
VSTD020010

Tgt Ion: 43 Resp: 469206

Ion Ratio Lower Upper

43 100

58 33.3 0.0 66.8



#14

Carbon disulfide

Concen: 20.41 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063275.D

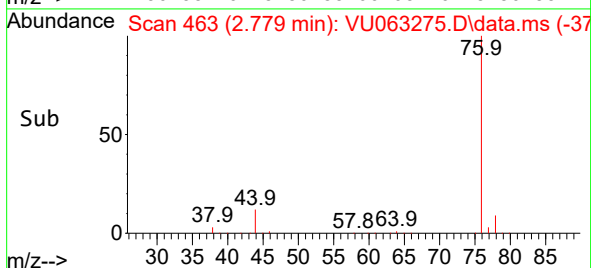
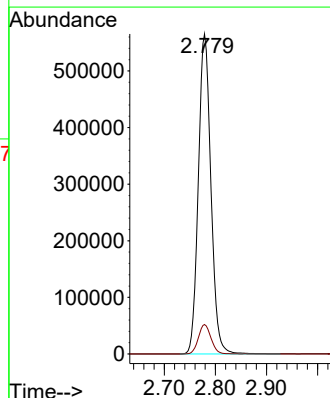
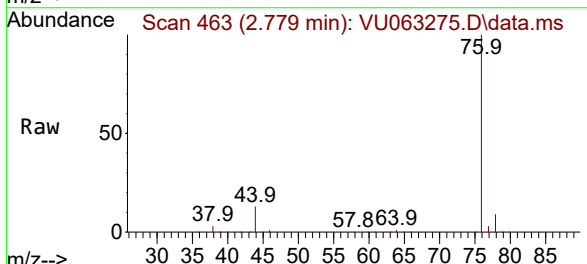
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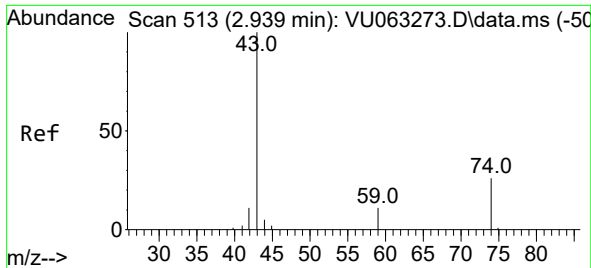
Tgt Ion: 76 Resp: 965424

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

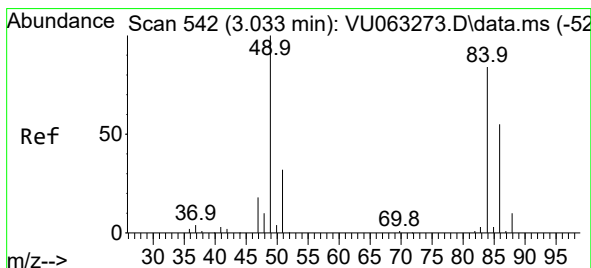
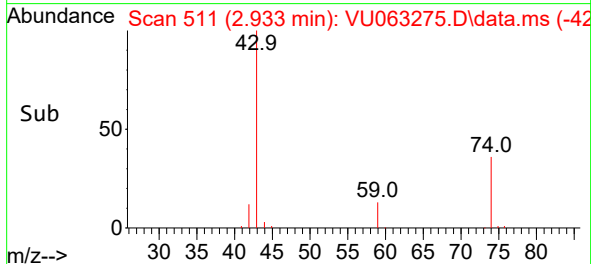
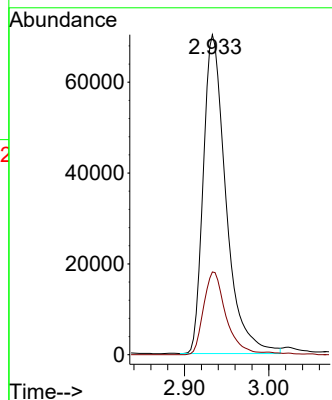
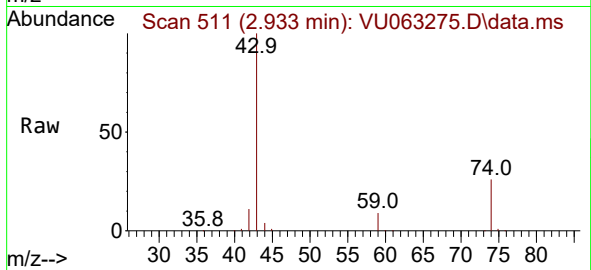




#15
Methyl Acetate
Concen: 20.03 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.006 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

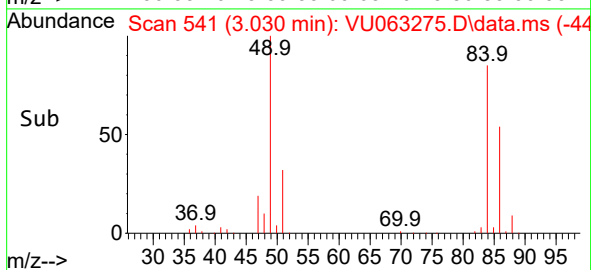
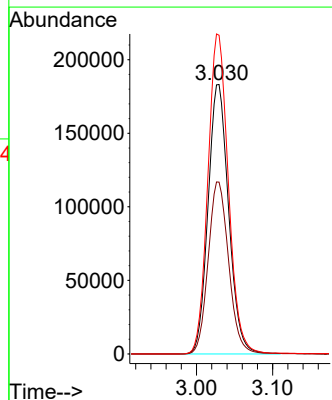
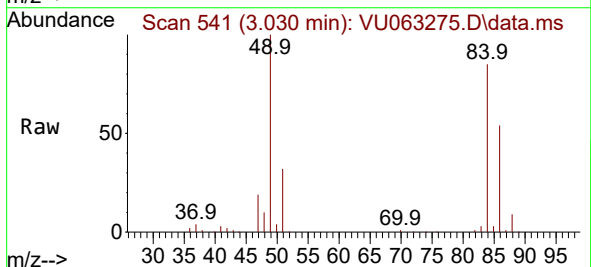
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

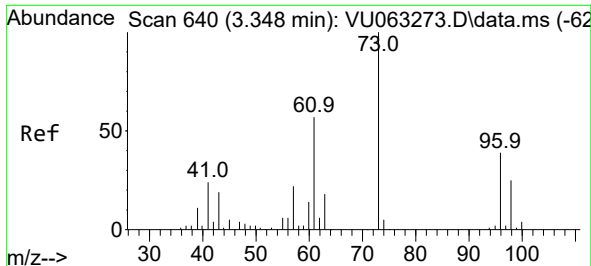
Tgt Ion: 43 Resp: 131669
Ion Ratio Lower Upper
43 100
74 25.6 20.2 30.2



#16
Methylene chloride
Concen: 20.99 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion: 84 Resp: 344275
Ion Ratio Lower Upper
84 100
86 63.7 45.3 84.1
49 118.3 83.4 154.8





#17

Methyl tert-butyl Ether

Concen: 21.74 ug/L

RT: 3.345 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD020010

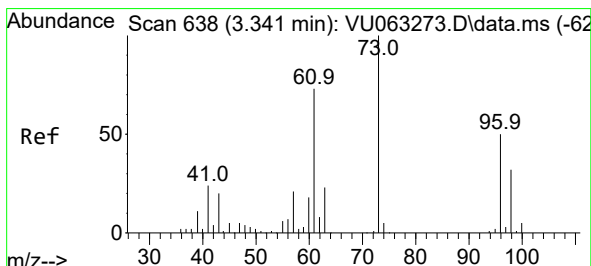
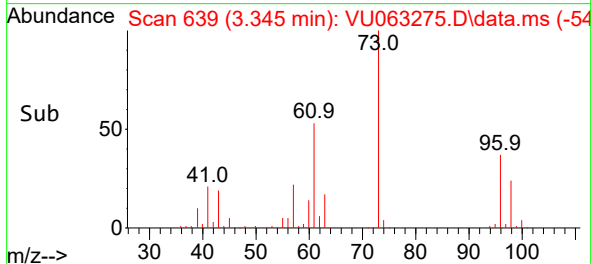
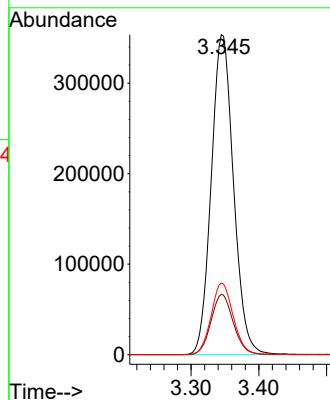
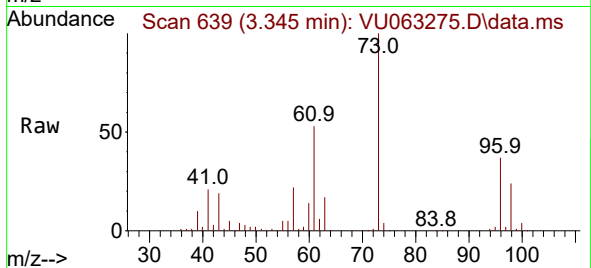
Tgt Ion: 73 Resp: 806571

Ion Ratio Lower Upper

73 100

43 18.8 15.7 23.5

57 22.3 17.6 26.4



#18

trans-1,2-Dichloroethene

Concen: 21.89 ug/L

RT: 3.335 min Scan# 636

Delta R.T. -0.006 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

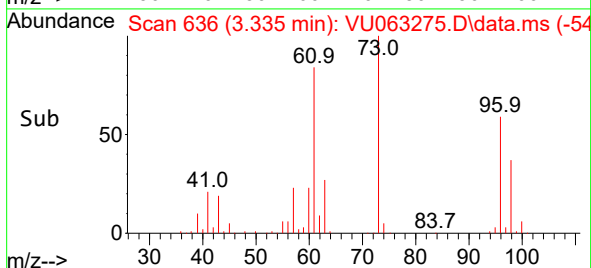
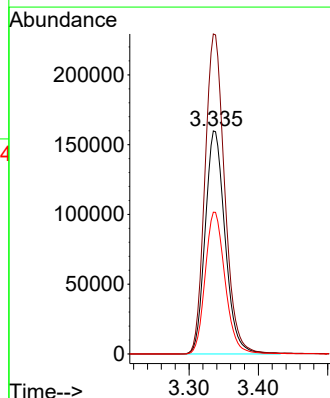
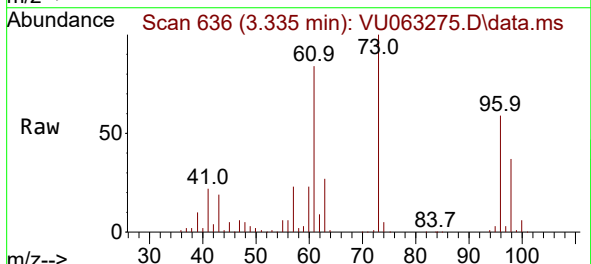
Tgt Ion: 96 Resp: 317947

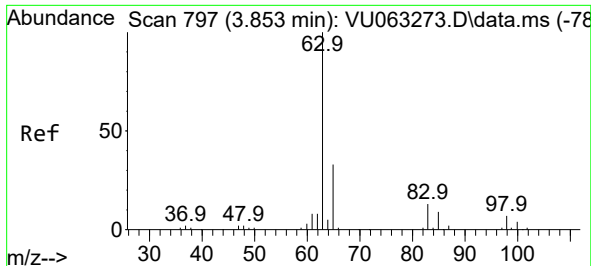
Ion Ratio Lower Upper

96 100

61 143.4 100.7 186.9

98 63.5 44.4 82.5

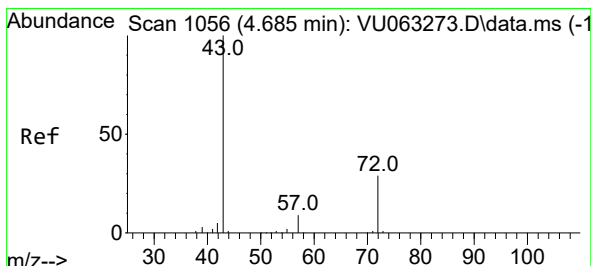
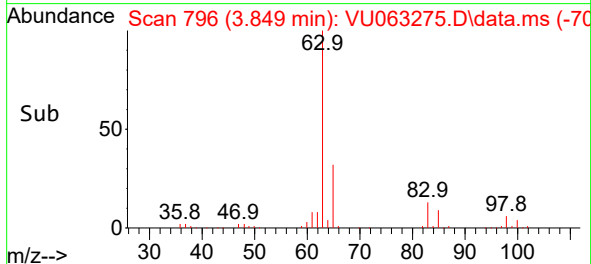
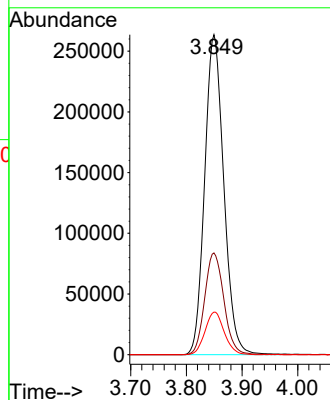
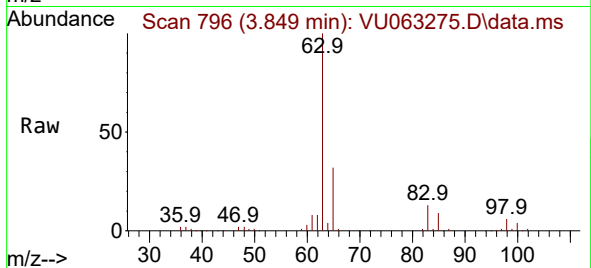




#19
1,1-Dichloroethane
Concen: 21.40 ug/L
RT: 3.849 min Scan# 797
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

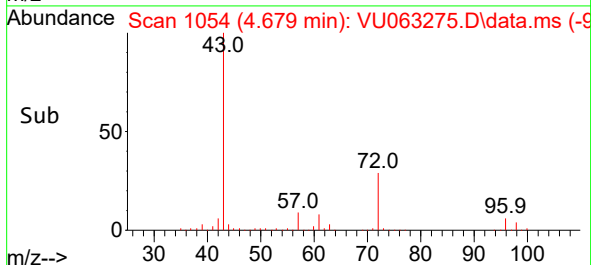
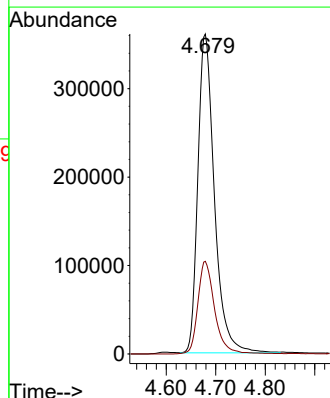
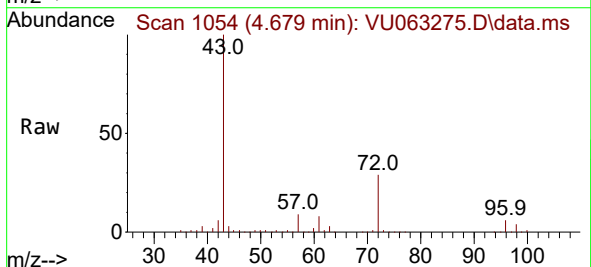
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

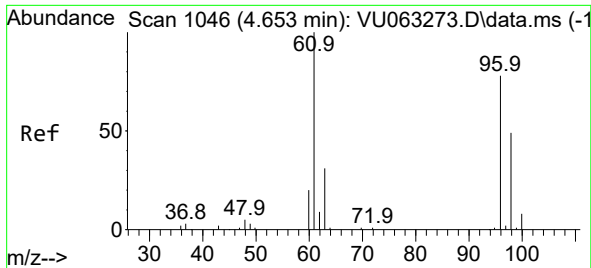
Tgt Ion: 63 Resp: 628960
Ion Ratio Lower Upper
63 100
65 31.8 22.8 42.4
83 13.3 9.3 17.3



#21
2-Butanone
Concen: 209.66 ug/L
RT: 4.679 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion: 43 Resp: 838546
Ion Ratio Lower Upper
43 100
72 29.6 14.5 43.5

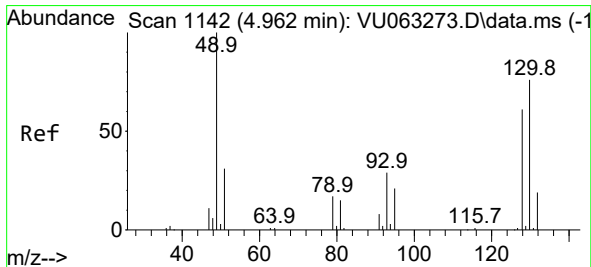
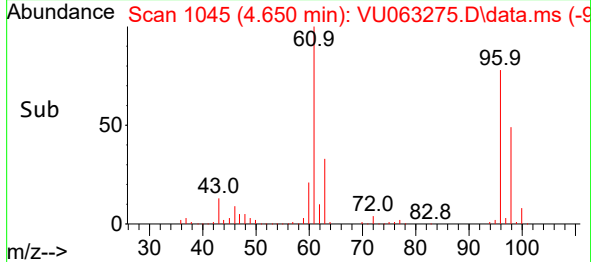
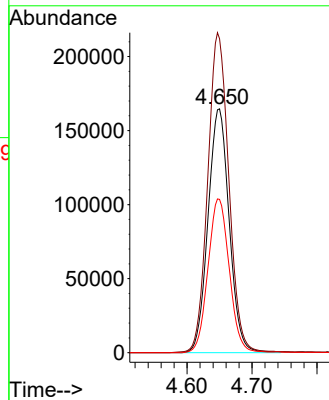
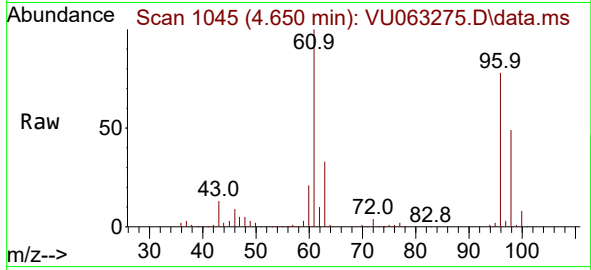




#22
cis-1,2-Dichloroethene
Concen: 22.86 ug/L
RT: 4.650 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

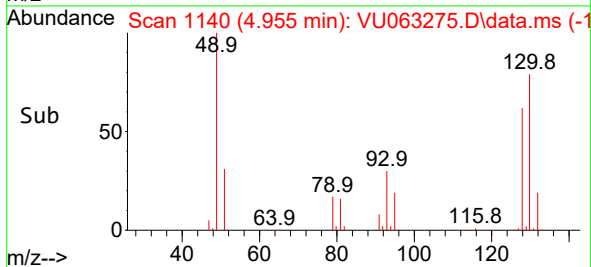
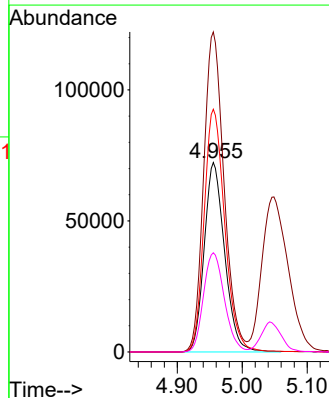
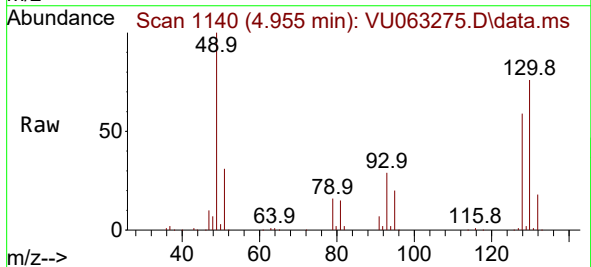
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

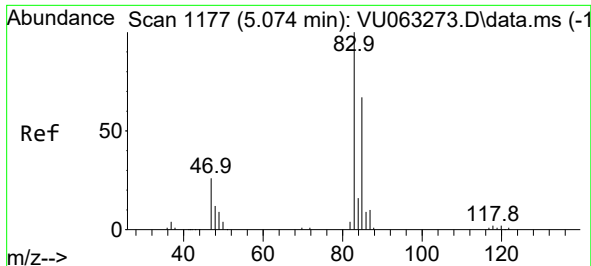
Tgt Ion: 96 Resp: 373551
Ion Ratio Lower Upper
96 100
61 128.7 89.9 167.0
98 62.9 43.8 81.4



#23
Bromochloromethane
Concen: 21.61 ug/L
RT: 4.955 min Scan# 1140
Delta R.T. -0.006 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion:128 Resp: 158010
Ion Ratio Lower Upper
128 100
49 168.9 115.1 213.8
130 128.2 87.6 162.8
51 52.3 40.3 60.5

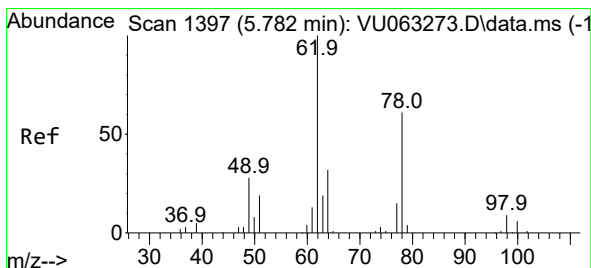
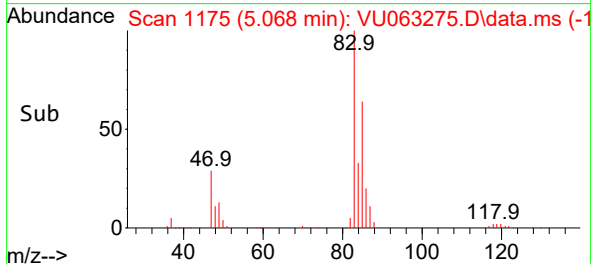
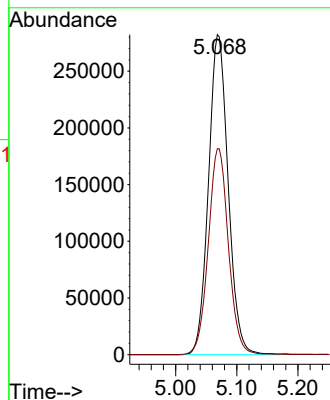
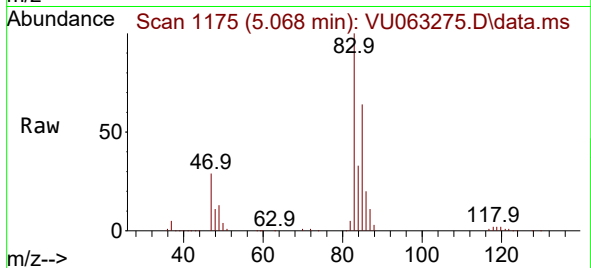




#25
Chloroform
Concen: 21.80 ug/L
RT: 5.068 min Scan# 1175
Delta R.T. -0.006 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

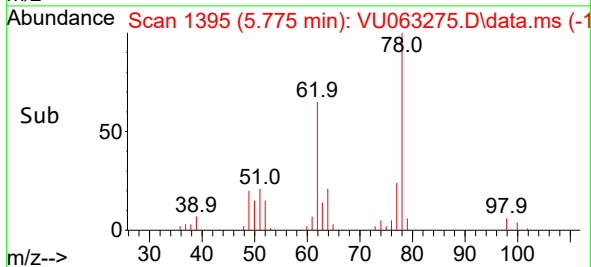
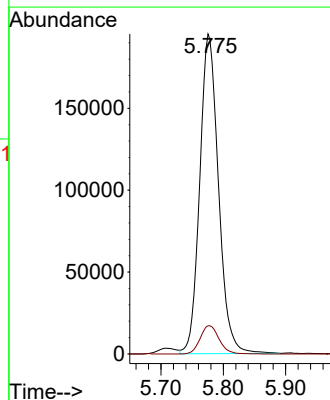
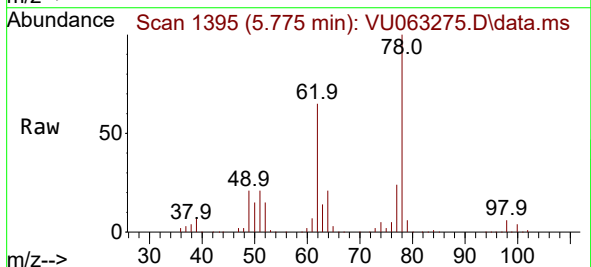
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

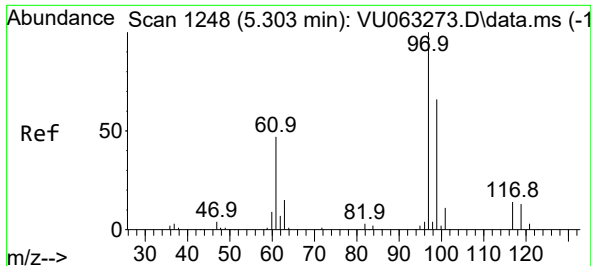
Tgt Ion: 83 Resp: 631281
Ion Ratio Lower Upper
83 100
85 64.4 46.8 86.8



#27
1,2-Dichloroethane
Concen: 21.57 ug/L
RT: 5.775 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion: 62 Resp: 407684
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 21.14 ug/L

RT: 5.300 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD020010

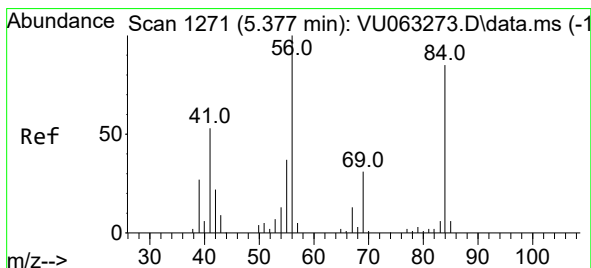
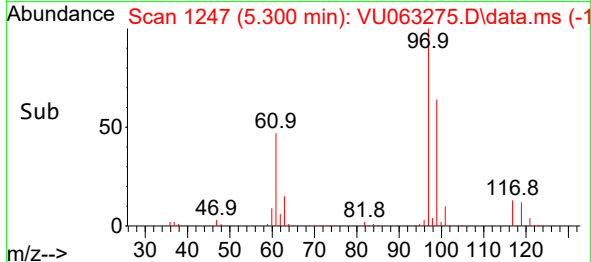
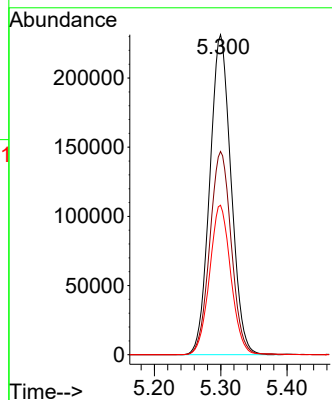
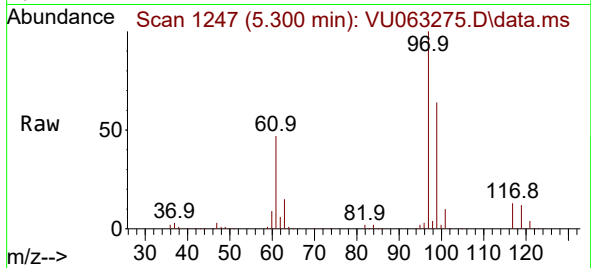
Tgt Ion: 97 Resp: 515637

Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

61 46.8 38.0 57.0



#30

Cyclohexane

Concen: 21.76 ug/L

RT: 5.373 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

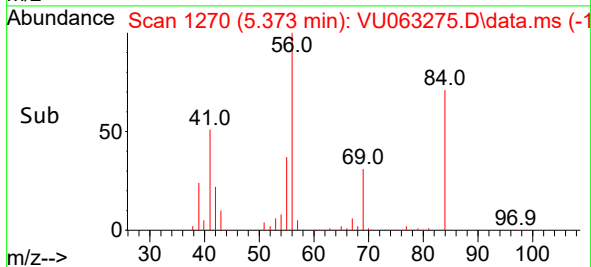
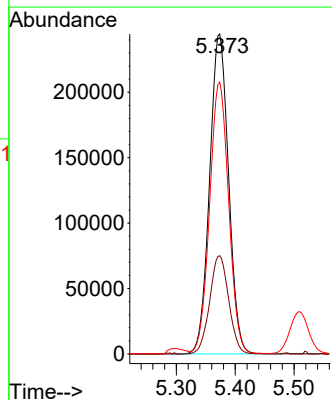
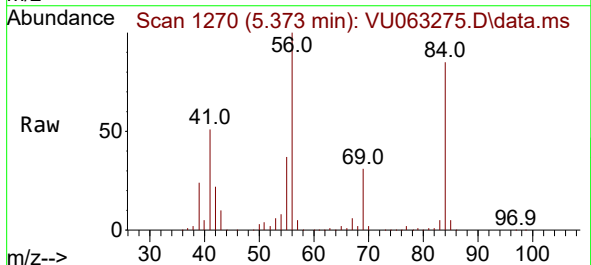
Tgt Ion: 56 Resp: 548373

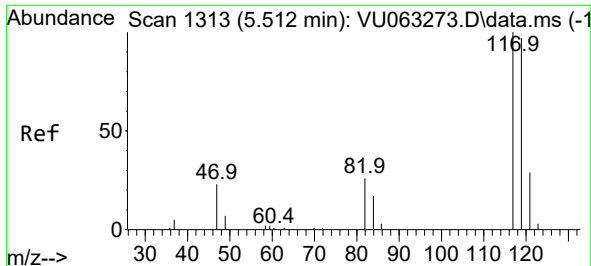
Ion Ratio Lower Upper

56 100

69 30.8 25.1 37.7

84 85.4 68.1 102.1

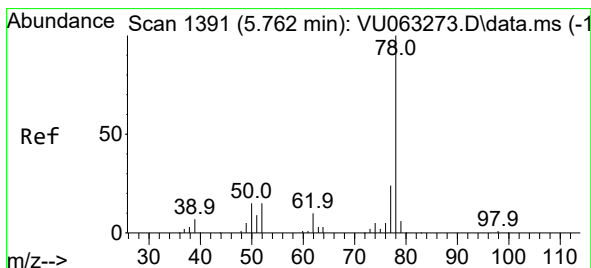
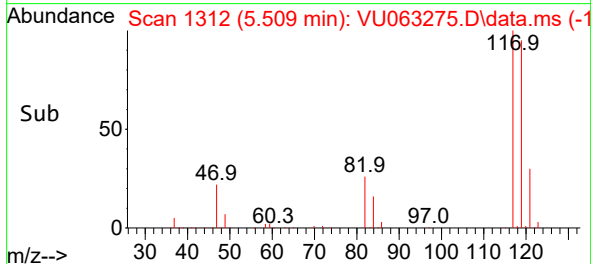
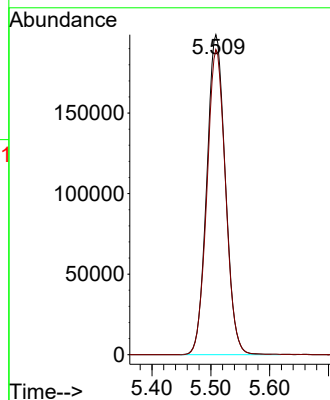
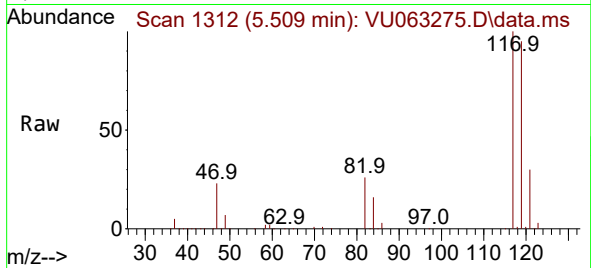




#31
Carbon tetrachloride
Concen: 21.26 ug/L
RT: 5.509 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

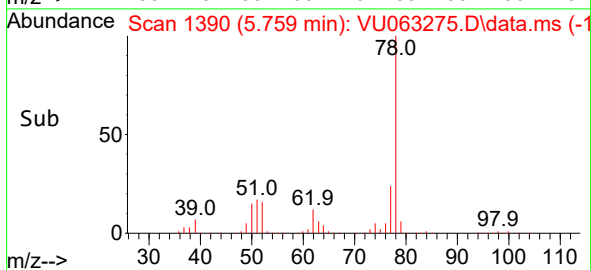
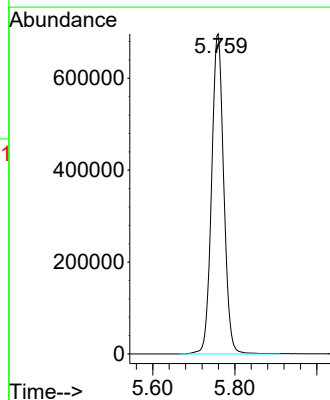
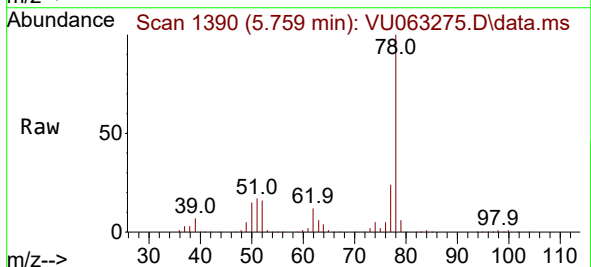
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

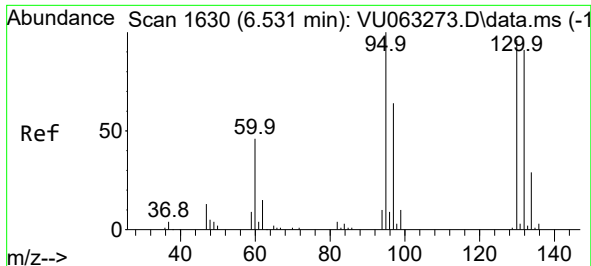
Tgt Ion:117 Resp: 435619
Ion Ratio Lower Upper
117 100
119 95.6 76.7 115.1



#33
Benzene
Concen: 21.09 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion: 78 Resp: 1433920

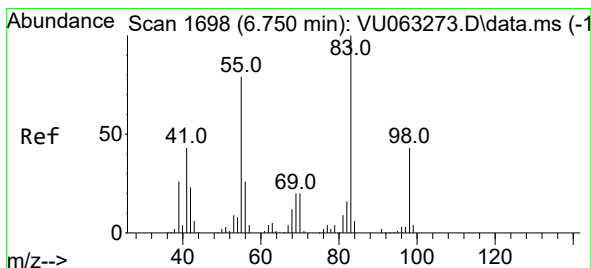
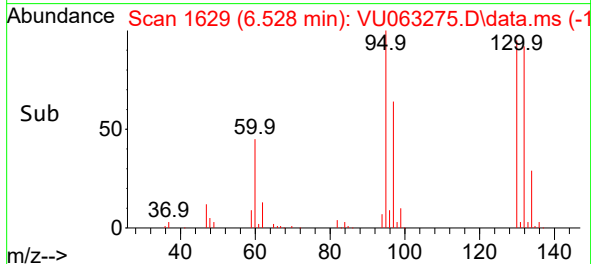
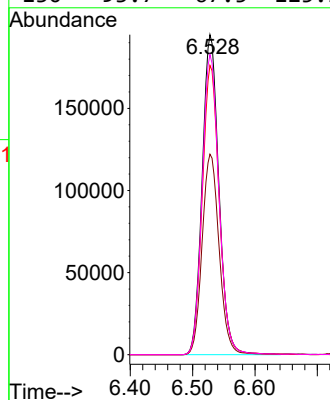
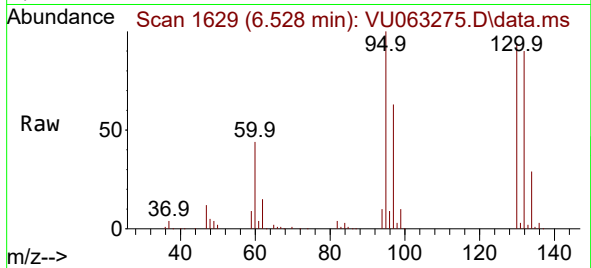




#34
Trichloroethene
Concen: 21.14 ug/L
RT: 6.528 min Scan# 1629
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

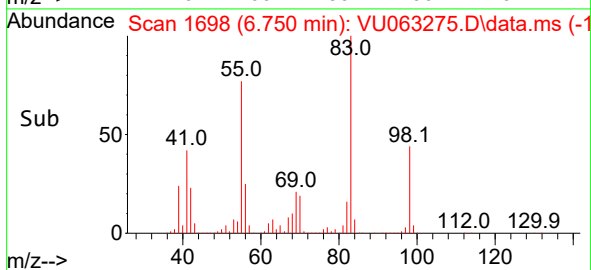
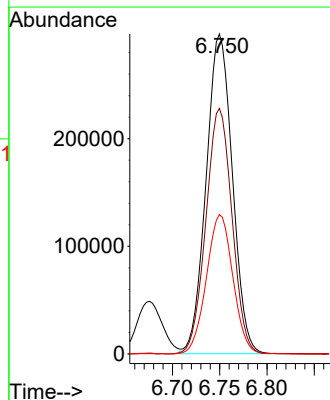
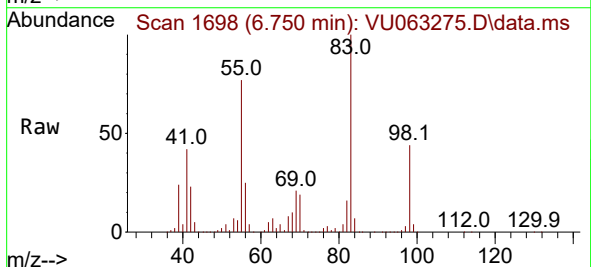
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

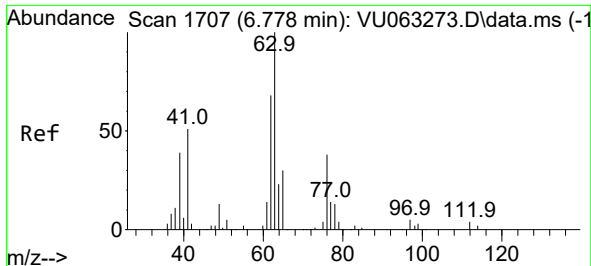
Tgt Ion: 95 Resp: 363306
Ion Ratio Lower Upper
95 100
97 62.6 45.0 83.6
132 90.4 64.0 119.0
130 93.7 67.5 125.3



#35
Methylcyclohexane
Concen: 22.76 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion: 83 Resp: 574510
Ion Ratio Lower Upper
83 100
55 76.4 62.7 94.1
98 43.9 34.3 51.5





#37

1,2-Dichloropropane

Concen: 20.96 ug/L

RT: 6.775 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

Instrument :

MSVOA_U

ClientSampleId :

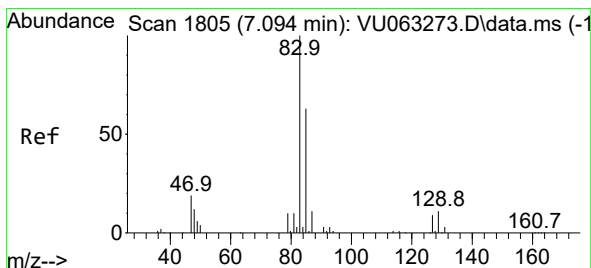
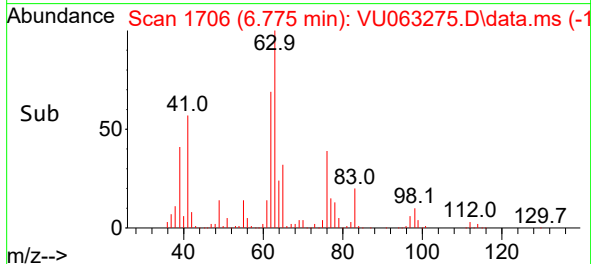
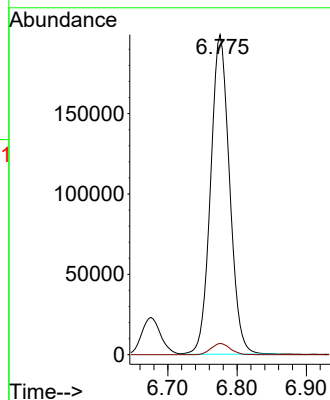
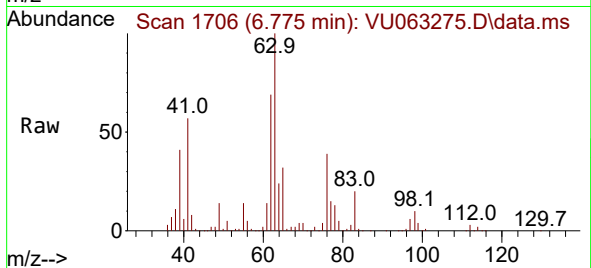
VSTD020010

Tgt Ion: 63 Resp: 377518

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.4



#38

Bromodichloromethane

Concen: 21.00 ug/L

RT: 7.090 min Scan# 1804

Delta R.T. -0.003 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

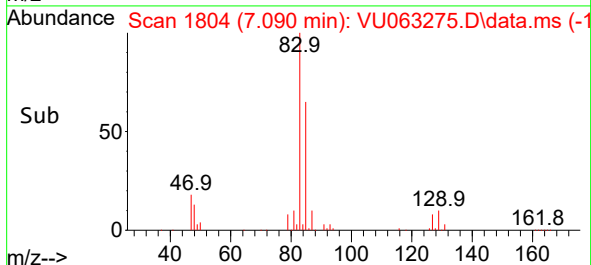
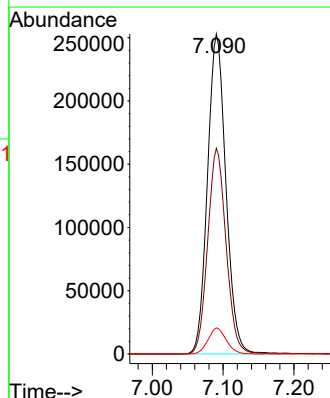
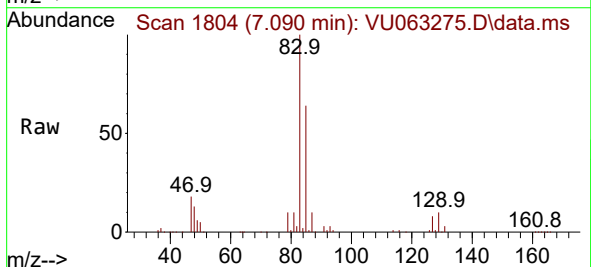
Tgt Ion: 83 Resp: 456760

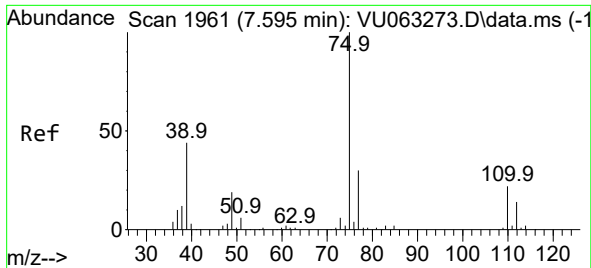
Ion Ratio Lower Upper

83 100

85 64.3 44.3 82.3

127 8.2 6.9 10.3

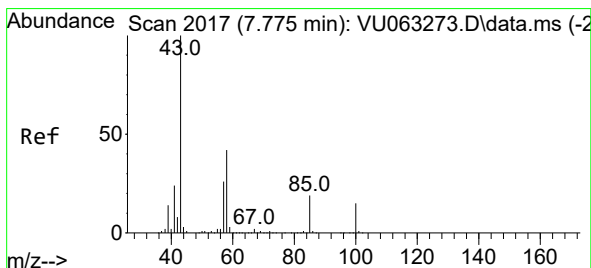
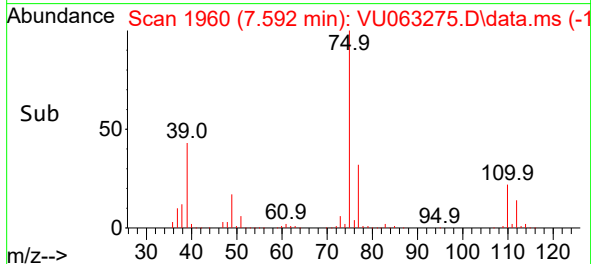
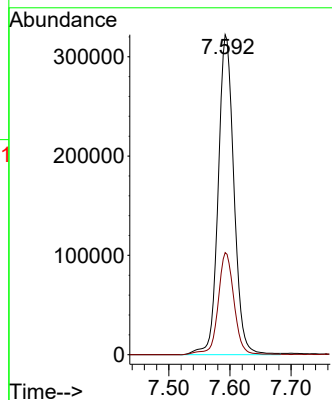
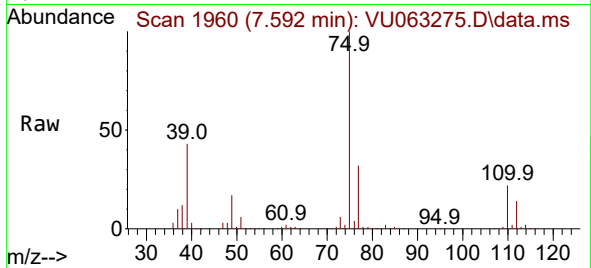




#39
cis-1,3-Dichloropropene
Concen: 22.36 ug/L
RT: 7.592 min Scan# 1961
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

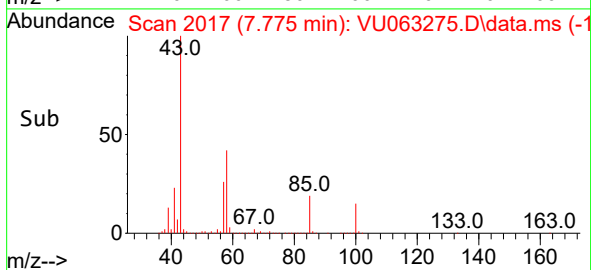
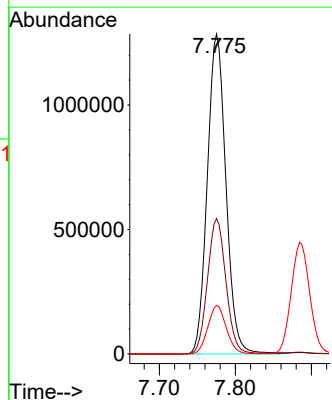
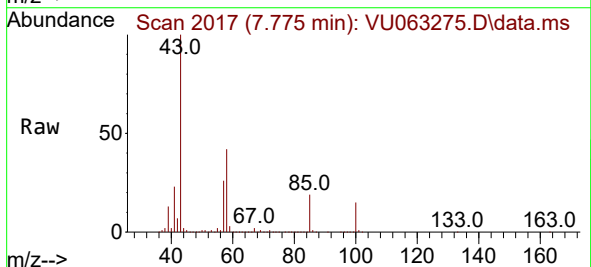
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

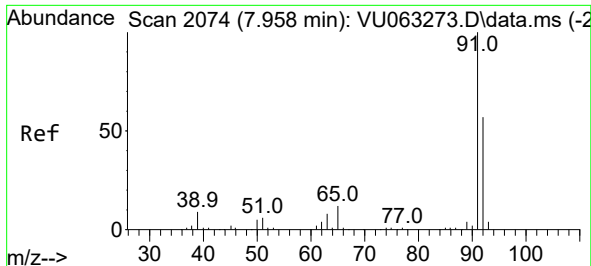
Tgt Ion: 75 Resp: 576356
Ion Ratio Lower Upper
75 100
77 31.9 21.3 39.6



#40
4-Methyl-2-pentanone
Concen: 208.56 ug/L
RT: 7.775 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion: 43 Resp: 2181986
Ion Ratio Lower Upper
43 100
58 42.1 33.1 49.7
100 15.1 11.9 17.9





#42

Toluene

Concen: 21.80 ug/L

RT: 7.955 min Scan# 2074

Delta R.T. -0.003 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

Instrument :

MSVOA_U

ClientSampleId :

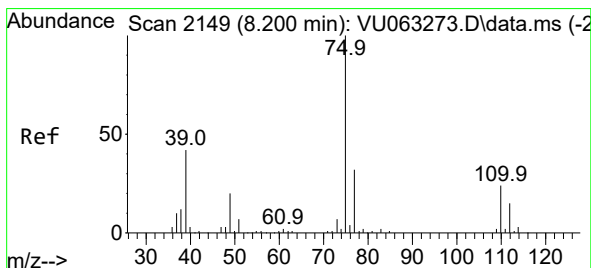
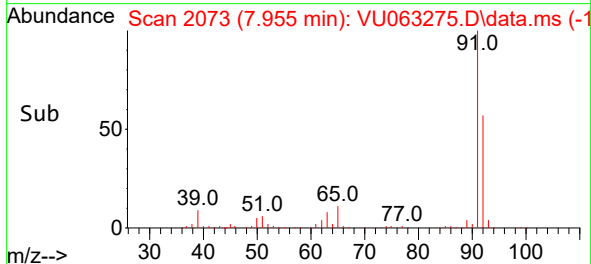
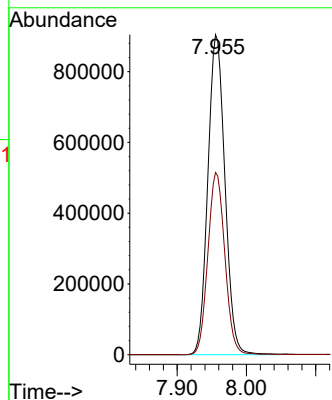
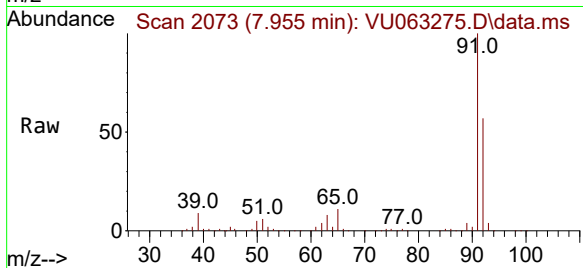
VSTD020010

Tgt Ion: 91 Resp: 1543597

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 22.07 ug/L

RT: 8.197 min Scan# 2148

Delta R.T. -0.003 min

Lab File: VU063275.D

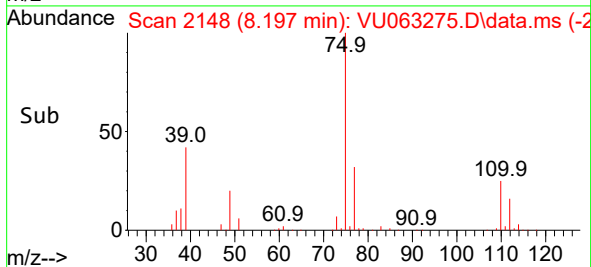
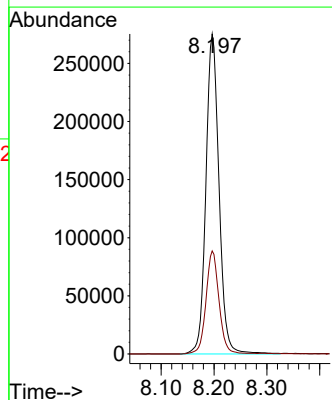
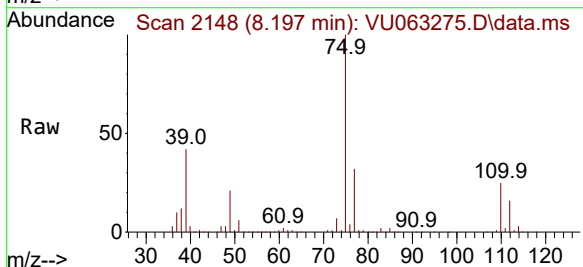
Acq: 21 Feb 2025 14:51

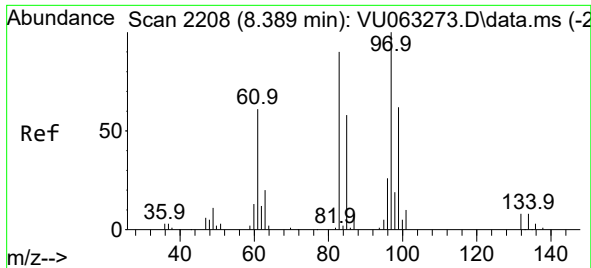
Tgt Ion: 75 Resp: 474682

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1



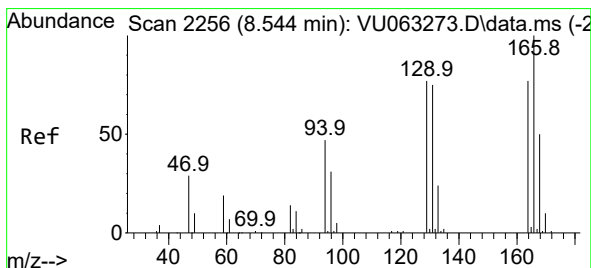
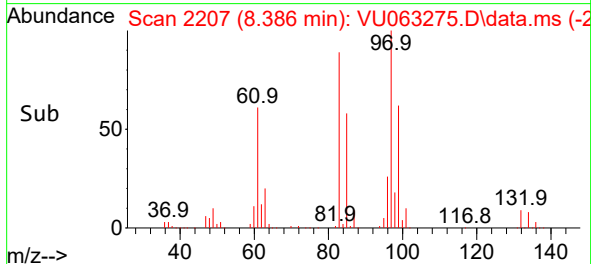
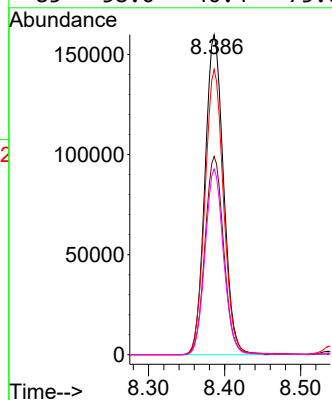
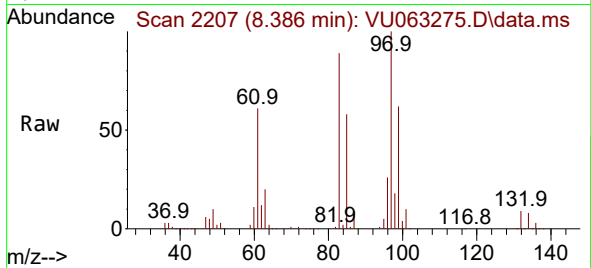


#45
1,1,2-Trichloroethane
Concen: 20.47 ug/L
RT: 8.386 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

Tgt Ion: 97 Resp: 271783

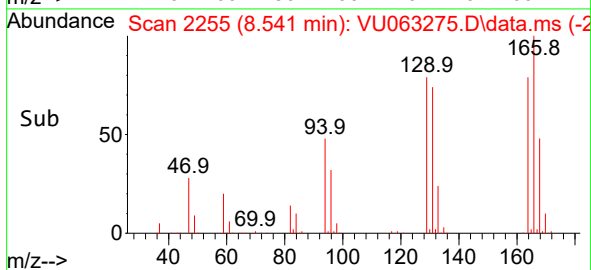
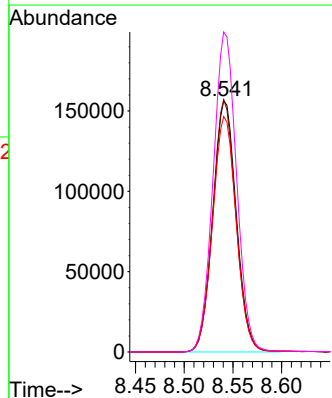
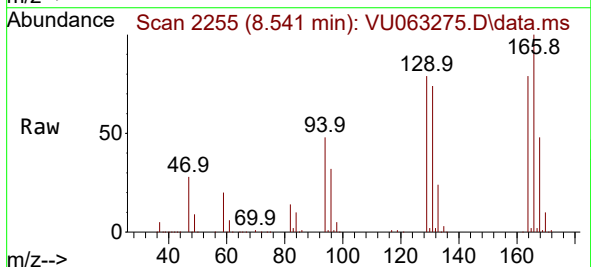
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.2	80.2
83	89.2	63.0	117.0
85	58.0	40.4	75.0

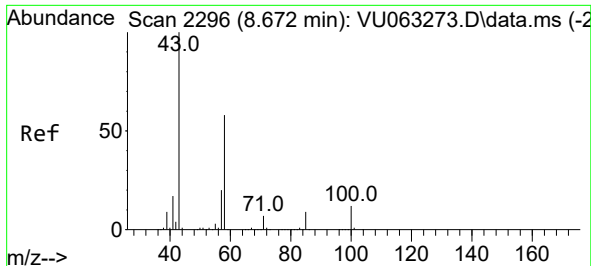


#47
Tetrachloroethene
Concen: 21.76 ug/L
RT: 8.541 min Scan# 2255
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion: 164 Resp: 261336

Ion	Ratio	Lower	Upper
164	100		
129	100.4	69.6	129.2
131	93.6	67.9	126.1
166	127.3	90.8	168.6

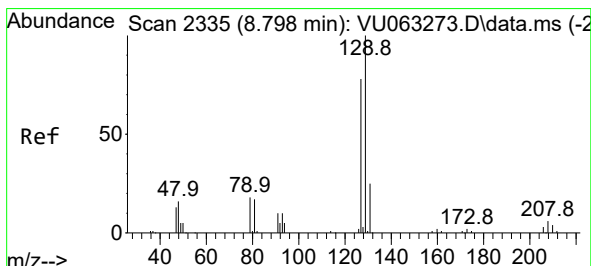
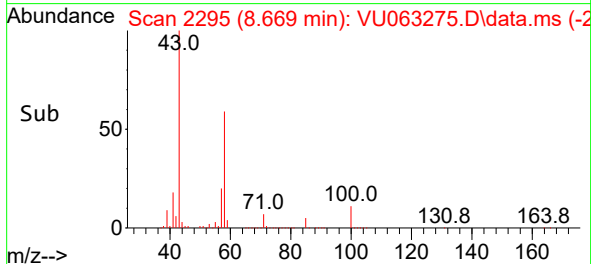
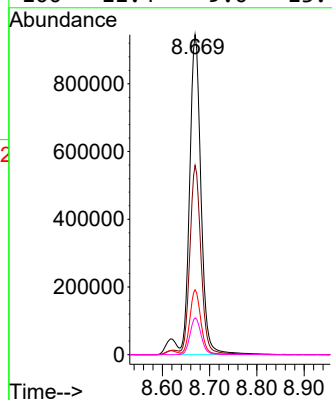
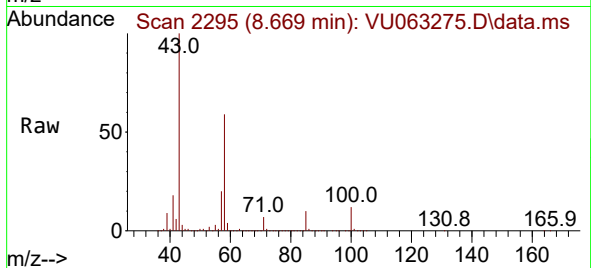




#48
2-Hexanone
Concen: 212.75 ug/L
RT: 8.669 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

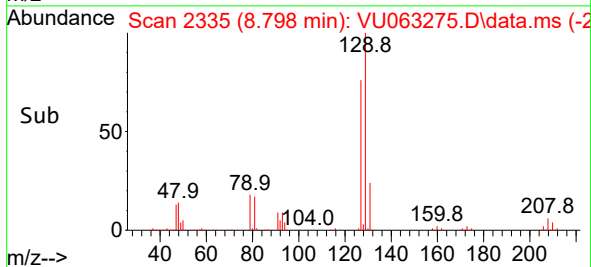
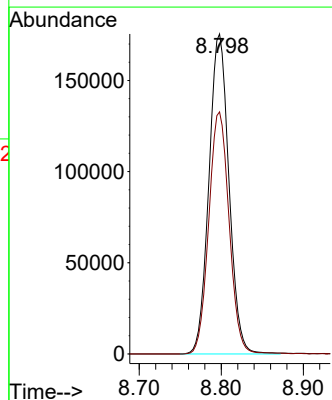
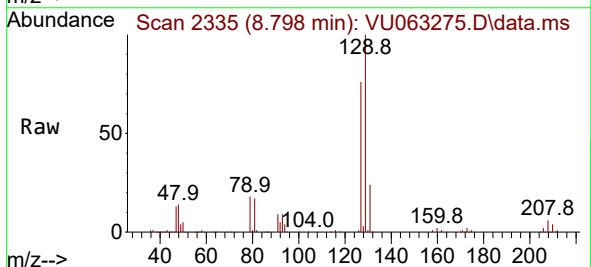
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

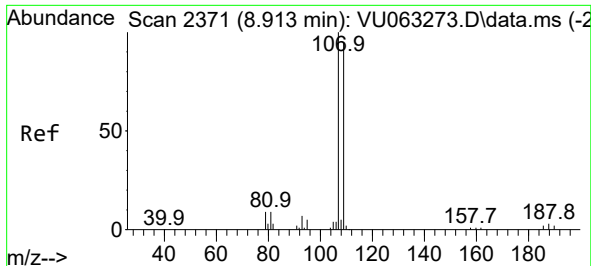
Tgt Ion: 43 Resp: 1563235
Ion Ratio Lower Upper
43 100
58 59.1 45.8 68.8
57 19.8 15.5 23.3
100 11.4 9.0 13.4



#49
Dibromochloromethane
Concen: 21.26 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion:129 Resp: 297094
Ion Ratio Lower Upper
129 100
127 75.7 54.9 102.1

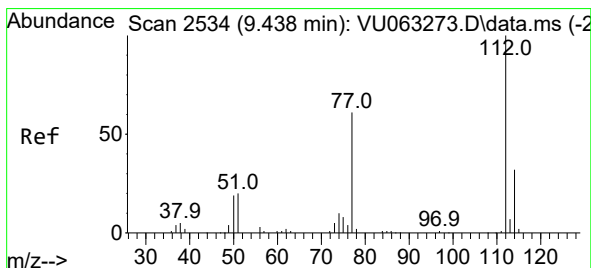
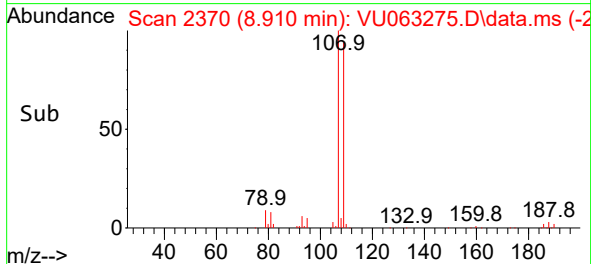
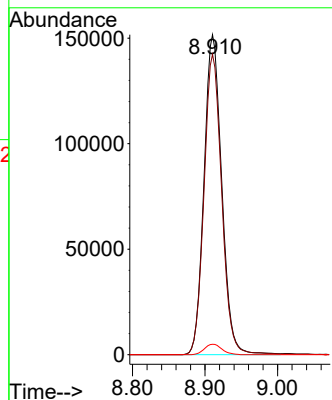
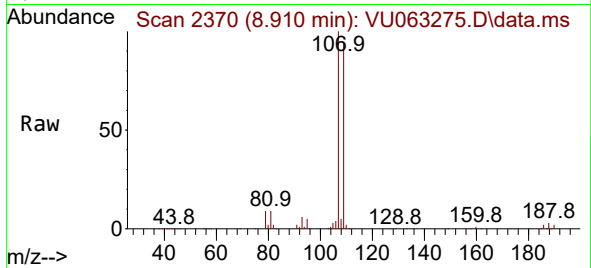




#50
1,2-Dibromoethane
Concen: 21.12 ug/L
RT: 8.910 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

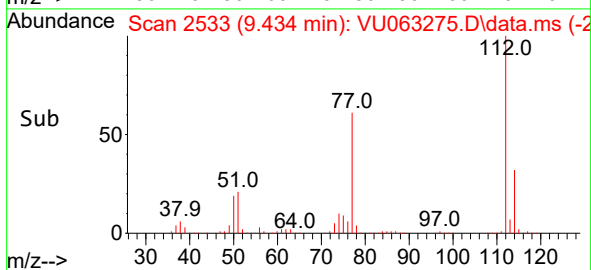
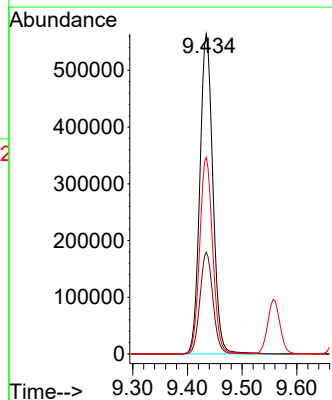
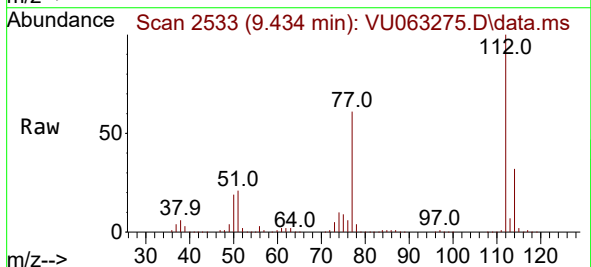
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

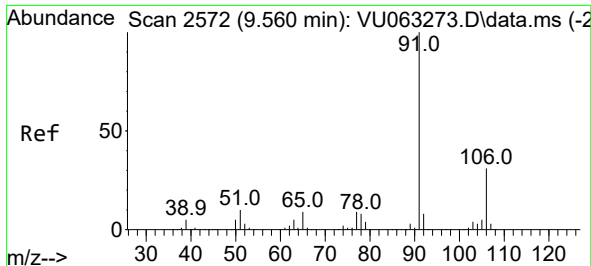
Tgt Ion:107 Resp: 257584
Ion Ratio Lower Upper
107 100
109 93.8 66.6 123.6
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 21.75 ug/L
RT: 9.434 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion:112 Resp: 930810
Ion Ratio Lower Upper
112 100
114 31.8 22.2 41.2
77 61.5 49.2 73.8

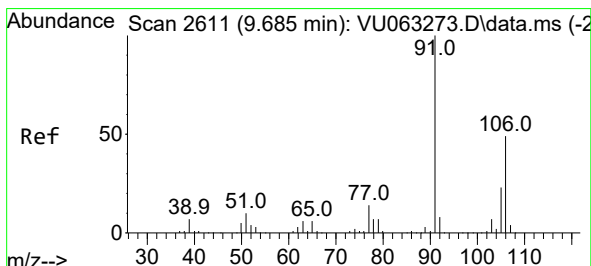
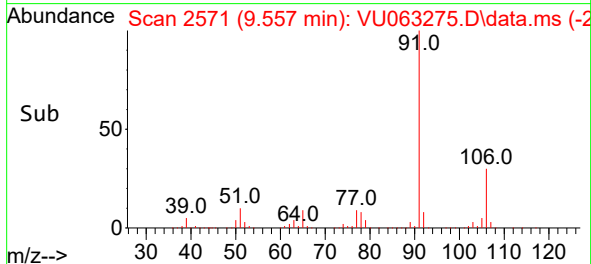
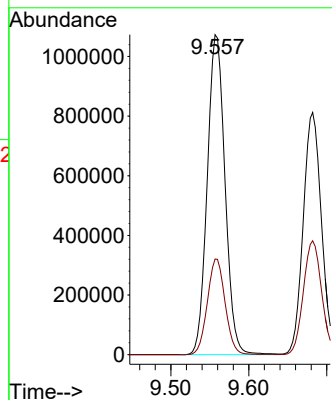
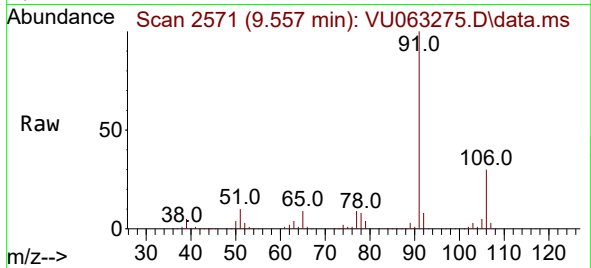




#52
Ethylbenzene
Concen: 23.16 ug/L
RT: 9.557 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

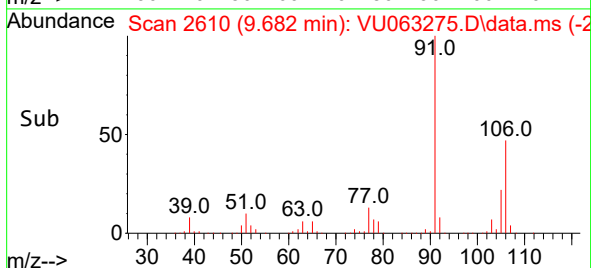
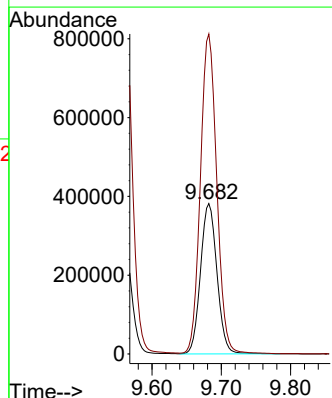
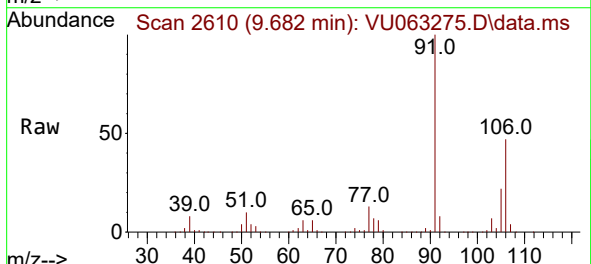
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

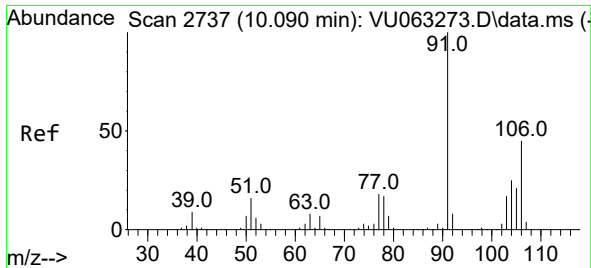
Tgt Ion: 91 Resp: 1699924
Ion Ratio Lower Upper
91 100
106 29.9 21.9 40.7



#53
m,p-Xylene
Concen: 23.53 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion:106 Resp: 627951
Ion Ratio Lower Upper
106 100
91 212.7 143.3 266.1

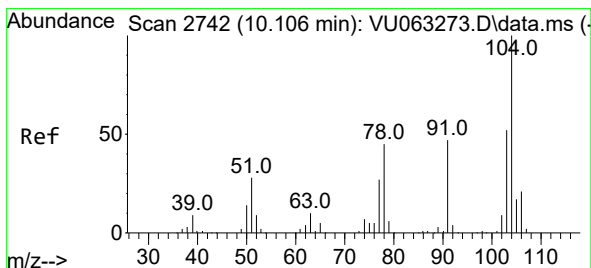
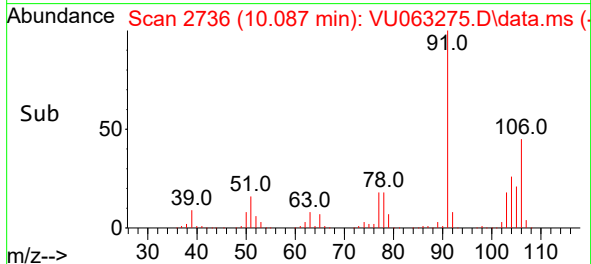
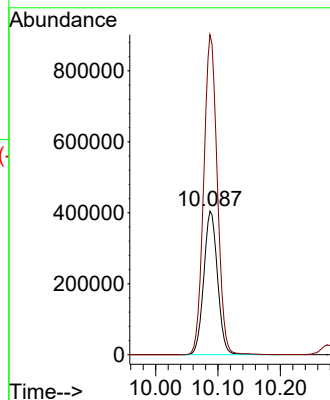
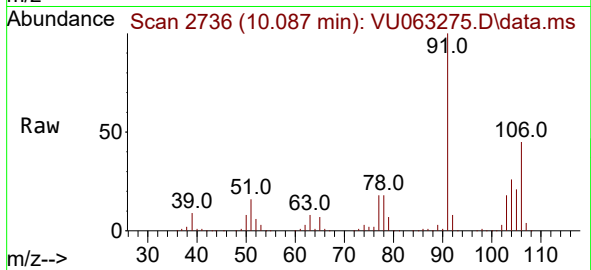




#54
o-Xylene
Concen: 23.55 ug/L
RT: 10.087 min Scan# 2736
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

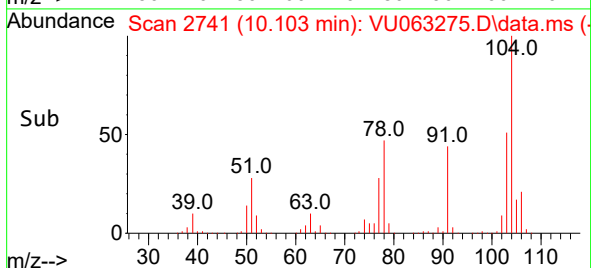
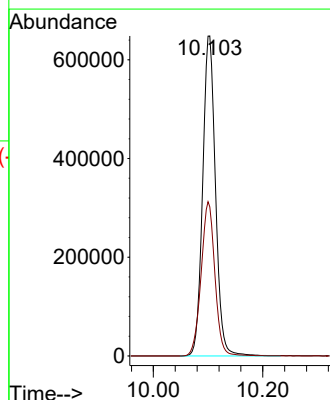
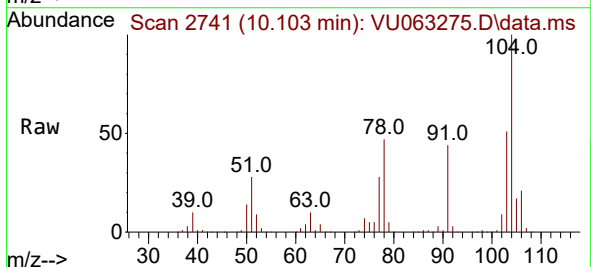
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

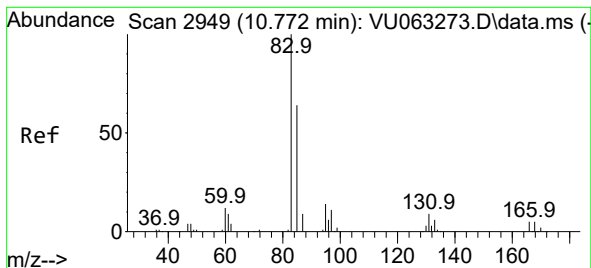
Tgt Ion:106 Resp: 619442
Ion Ratio Lower Upper
106 100
91 223.1 155.5 288.9



#55
Styrene
Concen: 24.38 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion:104 Resp: 1056672
Ion Ratio Lower Upper
104 100
78 46.6 31.6 58.6

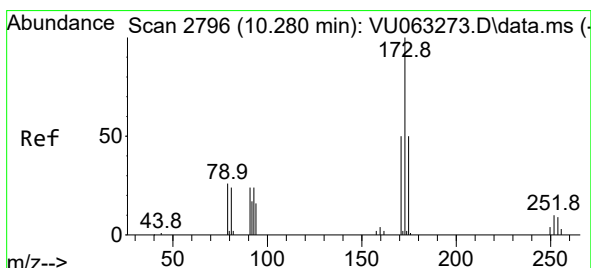
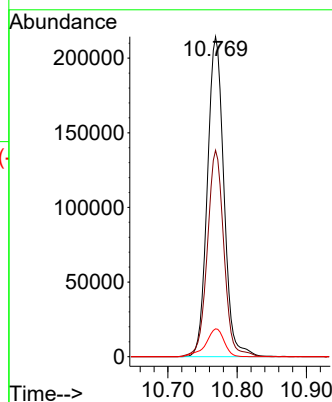
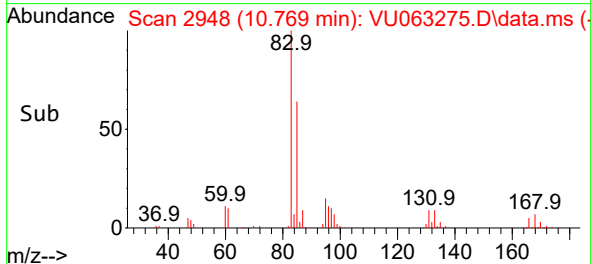
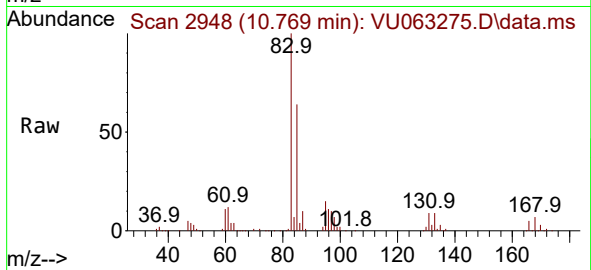




#57
1,1,2,2-Tetrachloroethane
Concen: 20.77 ug/L
RT: 10.769 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

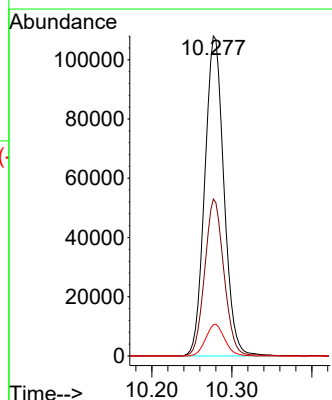
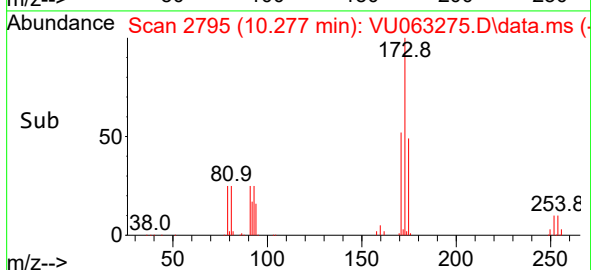
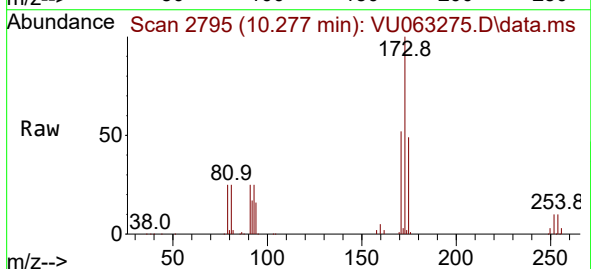
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

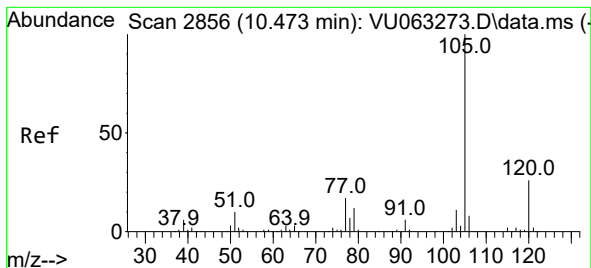
Tgt Ion: 83 Resp: 353240
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.5
131 8.7 7.2 10.8



#59
Bromoform
Concen: 19.67 ug/L
RT: 10.277 min Scan# 2795
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion:173 Resp: 180203
Ion Ratio Lower Upper
173 100
175 49.2 39.4 59.0
254 9.8 7.2 10.8





#60

Isopropylbenzene

Concen: 22.02 ug/L

RT: 10.473 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD020010

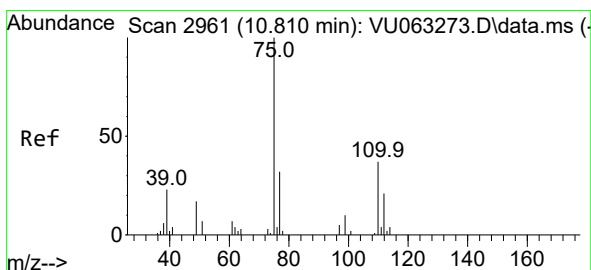
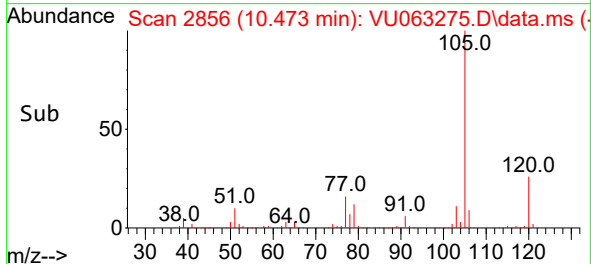
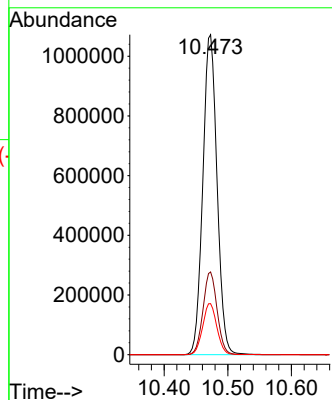
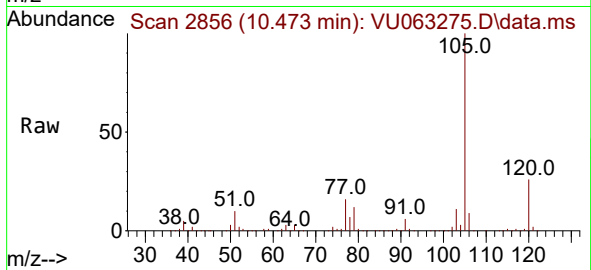
Tgt Ion:105 Resp: 1662762

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

77 16.0 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 18.38 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

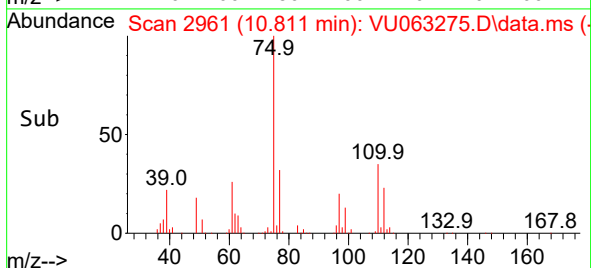
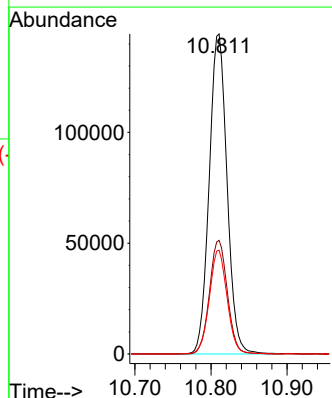
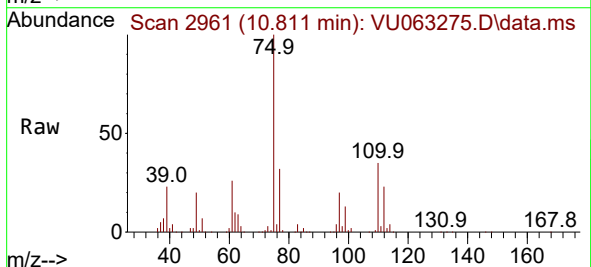
Tgt Ion: 75 Resp: 235624

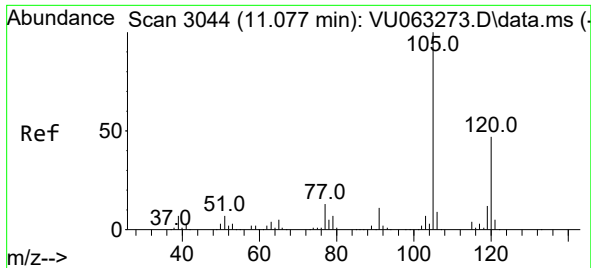
Ion Ratio Lower Upper

75 100

110 35.5 29.3 43.9

77 32.3 25.8 38.8

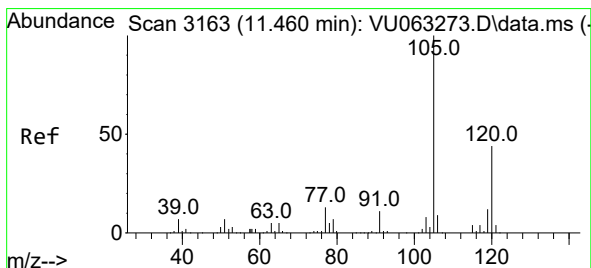
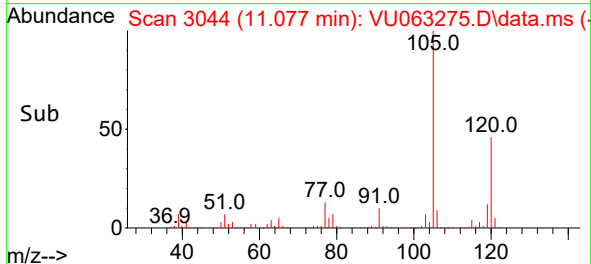
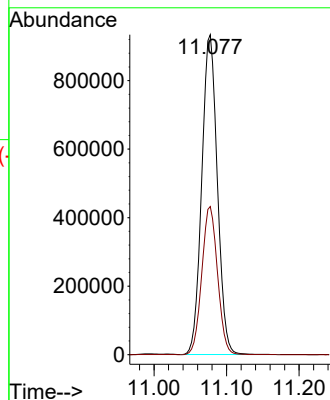
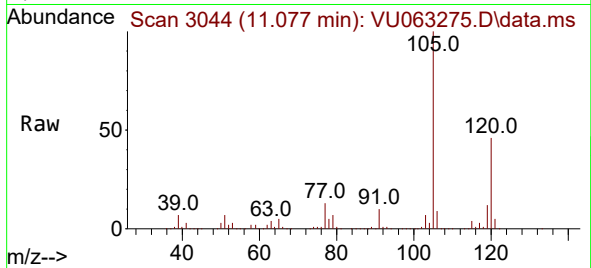




#62
 1,3,5-Trimethylbenzene
 Concen: 23.46 ug/L
 RT: 11.077 min Scan# 3044
 Delta R.T. 0.000 min
 Lab File: VU063275.D
 Acq: 21 Feb 2025 14:51

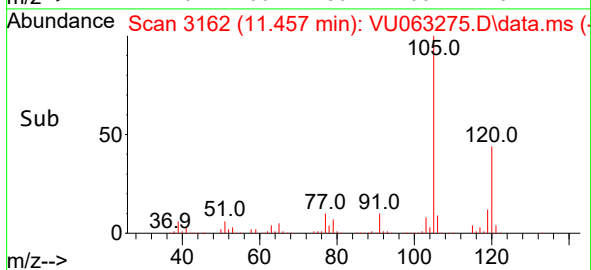
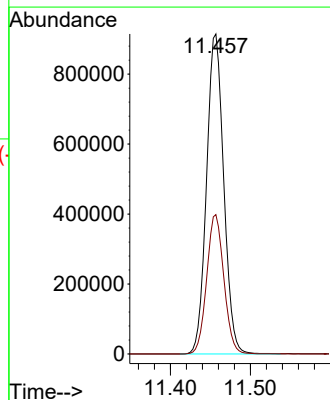
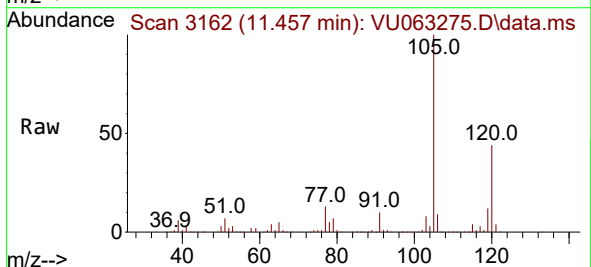
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020010

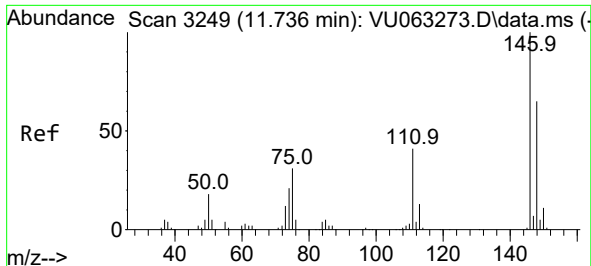
Tgt Ion:105 Resp: 1393284
 Ion Ratio Lower Upper
 105 100
 120 46.7 37.5 56.3



#63
 1,2,4-Trimethylbenzene
 Concen: 24.20 ug/L
 RT: 11.457 min Scan# 3162
 Delta R.T. -0.003 min
 Lab File: VU063275.D
 Acq: 21 Feb 2025 14:51

Tgt Ion:105 Resp: 1367253
 Ion Ratio Lower Upper
 105 100
 120 43.5 35.1 52.7

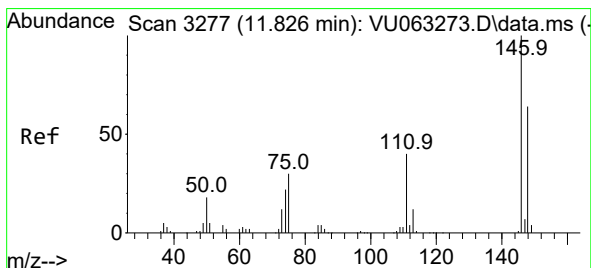
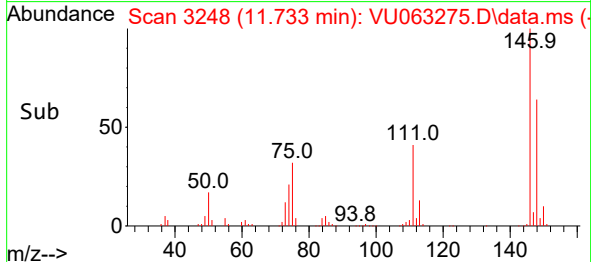
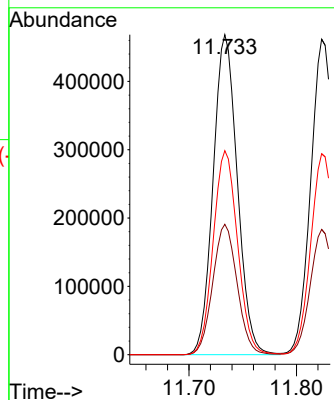
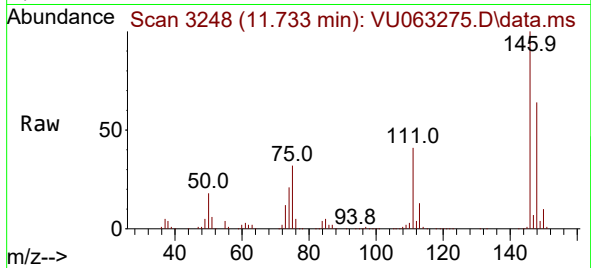




#64
1,3-Dichlorobenzene
Concen: 21.32 ug/L
RT: 11.733 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

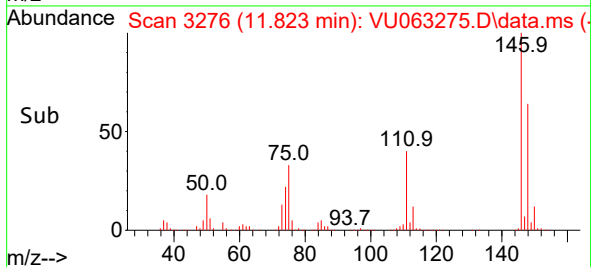
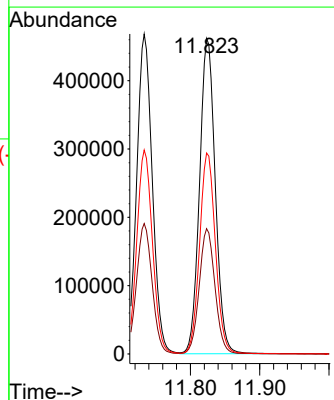
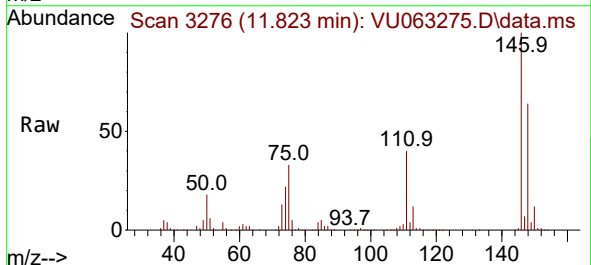
Instrument :
MSVOA_U
ClientSampleId :
VSTD020010

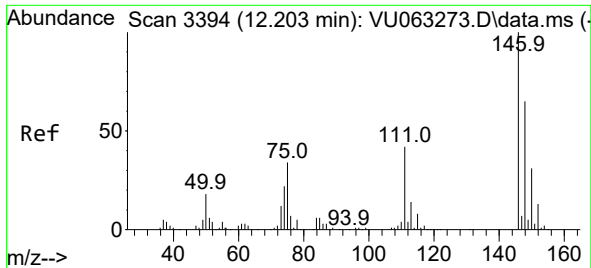
Tgt Ion:146 Resp: 733606
Ion Ratio Lower Upper
146 100
111 40.7 28.5 52.9
148 63.8 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 21.13 ug/L
RT: 11.823 min Scan# 3276
Delta R.T. -0.003 min
Lab File: VU063275.D
Acq: 21 Feb 2025 14:51

Tgt Ion:146 Resp: 729411
Ion Ratio Lower Upper
146 100
111 39.7 28.3 52.5
148 63.7 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 21.33 ug/L

RT: 12.200 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD020010

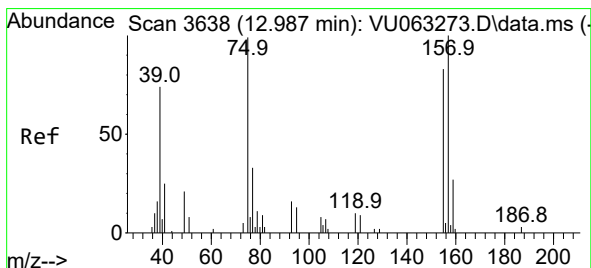
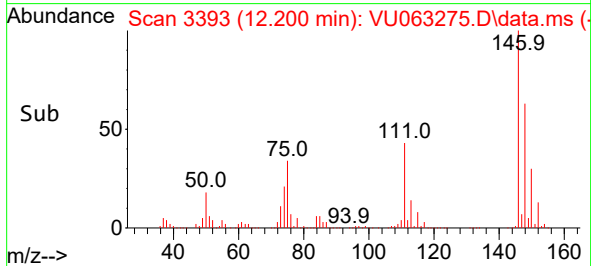
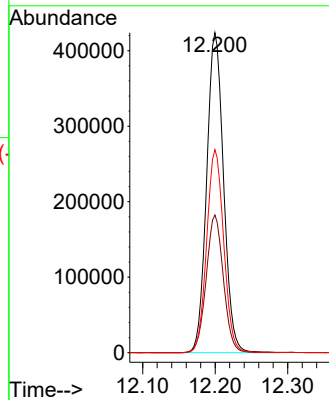
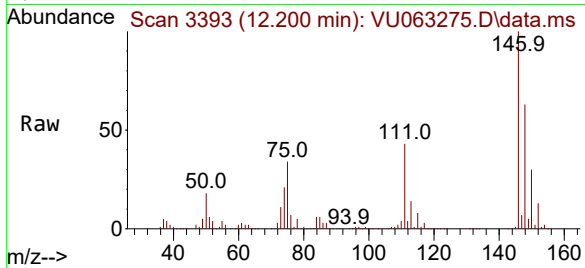
Tgt Ion:146 Resp: 686824

Ion Ratio Lower Upper

146 100

111 43.0 33.9 50.9

148 63.4 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 20.28 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. -0.003 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

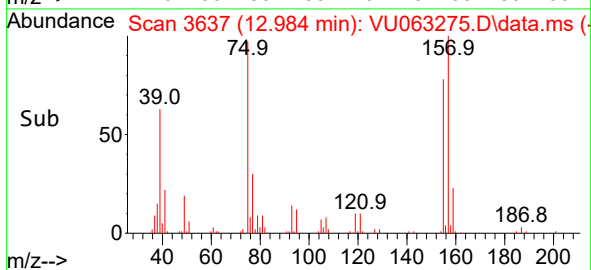
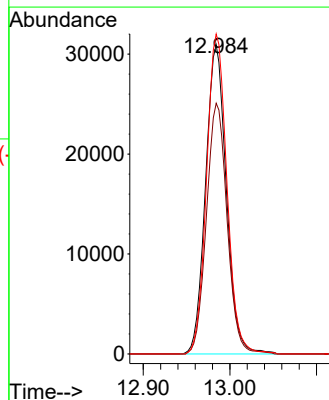
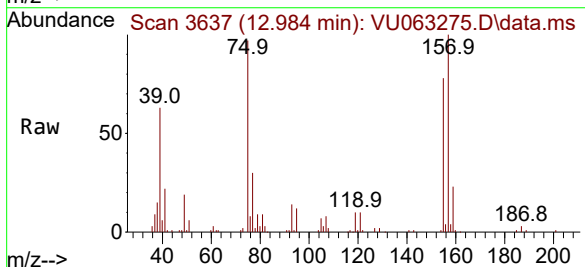
Tgt Ion: 75 Resp: 51569

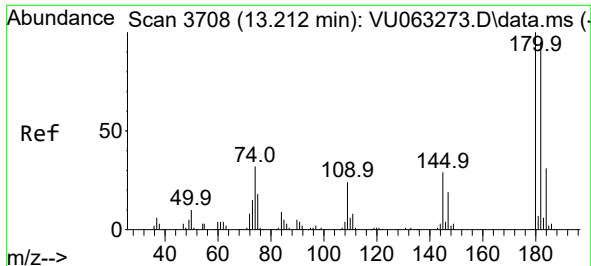
Ion Ratio Lower Upper

75 100

155 81.1 67.0 100.6

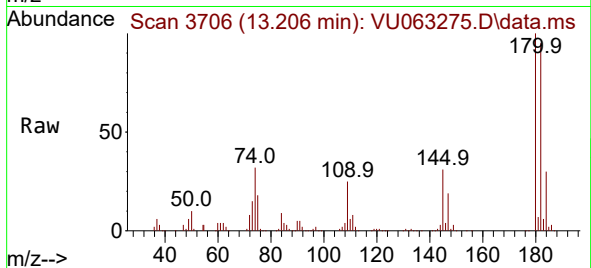
157 103.5 80.9 121.3



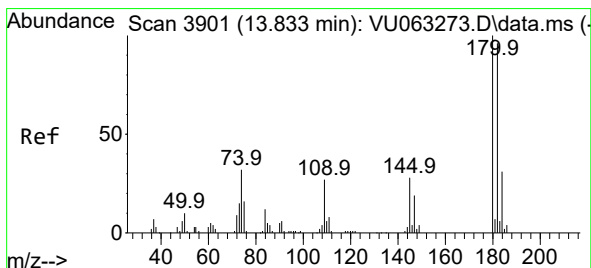
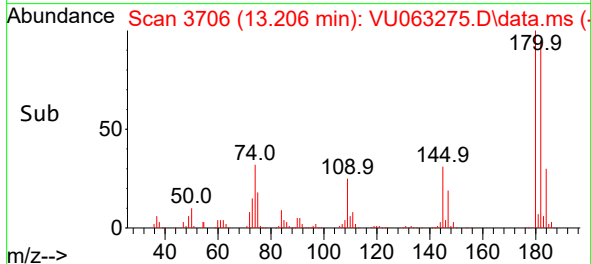
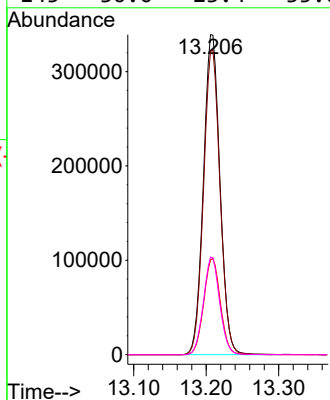


#69
 1,3,5-Trichlorobenzene
 Concen: 23.09 ug/L
 RT: 13.206 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VU063275.D
 Acq: 21 Feb 2025 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020010

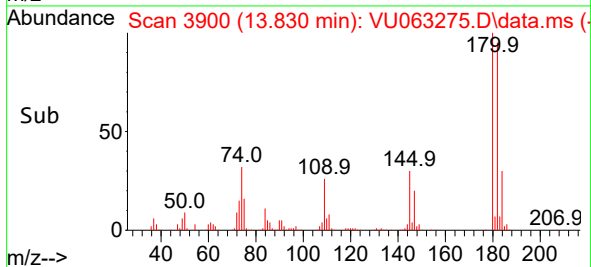
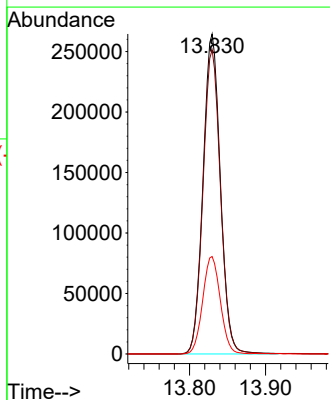
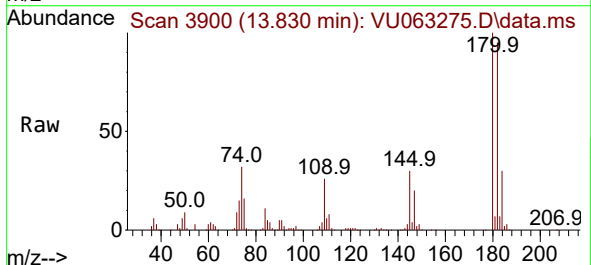


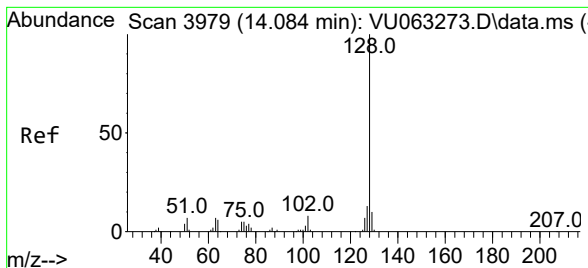
Tgt Ion:180 Resp: 538238
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.6 116.4
 184 30.1 24.7 37.1
 145 30.0 23.4 35.0



#70
 1,2,4-trichlorobenzene
 Concen: 23.23 ug/L
 RT: 13.830 min Scan# 3900
 Delta R.T. -0.003 min
 Lab File: VU063275.D
 Acq: 21 Feb 2025 14:51

Tgt Ion:180 Resp: 418993
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.8 113.8
 145 30.9 23.8 35.8





#71

Naphthalene

Concen: 22.57 ug/L

RT: 14.074 min Scan# 3979

Delta R.T. -0.010 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD020010

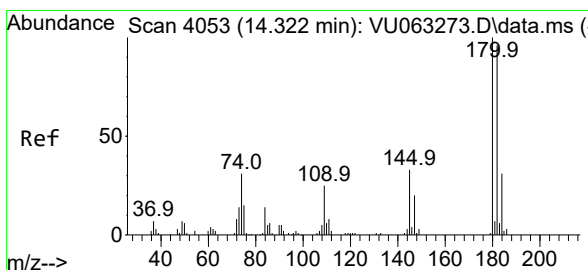
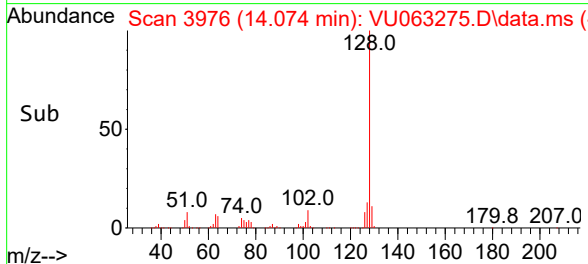
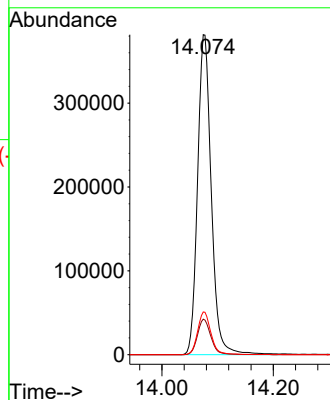
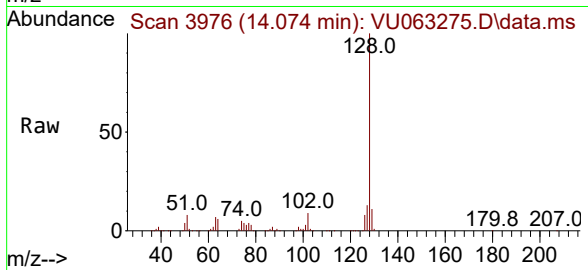
Tgt Ion:128 Resp: 652890

Ion Ratio Lower Upper

128 100

129 10.8 8.1 12.1

127 12.9 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 22.49 ug/L

RT: 14.318 min Scan# 4052

Delta R.T. -0.003 min

Lab File: VU063275.D

Acq: 21 Feb 2025 14:51

Tgt Ion:180 Resp: 360237

Ion Ratio Lower Upper

180 100

182 96.0 76.7 115.1

145 32.5 25.5 38.3

