

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
 Data File : VU063120.D
 Acq On : 04 Feb 2025 14:35
 Operator : MD/SY
 Sample : VSTD020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020004

Quant Time: Feb 05 07:30:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 05 07:27:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	97310	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	92621	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	46912	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	114786	17.784	ug/L	0.00
7) Chloroethane-d5	1.888	69	104656	19.238	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.551	65	51729	18.311	ug/L	0.00
20) 2-Butanone-d5	4.602	46	412135	262.020	ug/L	0.00
24) Chloroform-d	5.046	84	256157	19.373	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	132113	21.216	ug/L	0.00
32) Benzene-d6	5.711	84	502558	19.260	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	166647	19.312	ug/L	0.00
41) Toluene-d8	7.888	98	455786	19.464	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	66162	20.564	ug/L	0.00
46) 2-Hexanone-d5	8.618	63	365751	258.049	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	151295	21.225	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	162232	19.684	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	173699	26.667	ug/L	100
3) Chloromethane	1.515	50	184546	23.544	ug/L	98
5) Vinyl chloride	1.596	62	194790	23.842	ug/L	99
6) Bromomethane	1.827	94	98430	22.377	ug/L	97
8) Chloroethane	1.911	64	111316	22.928	ug/L	98
9) Trichlorofluoromethane	2.120	101	216282	20.447	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	132956	19.775	ug/L	98
12) 1,1-Dichloroethene	2.563	96	133135	21.400	ug/L	95
13) Acetone	2.612	43	230721	243.342	ug/L	99
14) Carbon disulfide	2.776	76	454292	24.131	ug/L	99
15) Methyl Acetate	2.933	43	65821	26.284	ug/L	99
16) Methylene chloride	3.026	84	149544	20.752	ug/L	97
17) Methyl tert-butyl Ether	3.348	73	372760	22.564	ug/L	99
18) trans-1,2-Dichloroethene	3.335	96	141314	22.322	ug/L	98
19) 1,1-Dichloroethane	3.849	63	276545	21.648	ug/L	99
21) 2-Butanone	4.682	43	422788	271.407	ug/L	97
22) cis-1,2-Dichloroethene	4.647	96	163109	21.426	ug/L	99
23) Bromochloromethane	4.956	128	68951	21.425	ug/L	98
25) Chloroform	5.071	83	275727	20.932	ug/L	100
27) 1,2-Dichloroethane	5.779	62	181027	22.933	ug/L	100
29) 1,1,1-Trichloroethane	5.300	97	228042	21.062	ug/L	99
30) Cyclohexane	5.374	56	256768	25.035	ug/L	99
31) Carbon tetrachloride	5.509	117	193422	20.919	ug/L	100
33) Benzene	5.759	78	629723	21.529	ug/L	100
34) Trichloroethene	6.528	95	157745	20.519	ug/L	99
35) Methylcyclohexane	6.750	83	257282	23.388	ug/L	98
37) 1,2-Dichloropropane	6.775	63	168234	21.583	ug/L	99
38) Bromodichloromethane	7.091	83	201864	21.035	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	253723	22.398	ug/L	99
40) 4-Methyl-2-pentanone	7.779	43	1061369	261.311	ug/L	99
42) Toluene	7.959	91	674210	21.855	ug/L	99
44) trans-1,3-Dichloropropene	8.197	75	214086	22.857	ug/L	97

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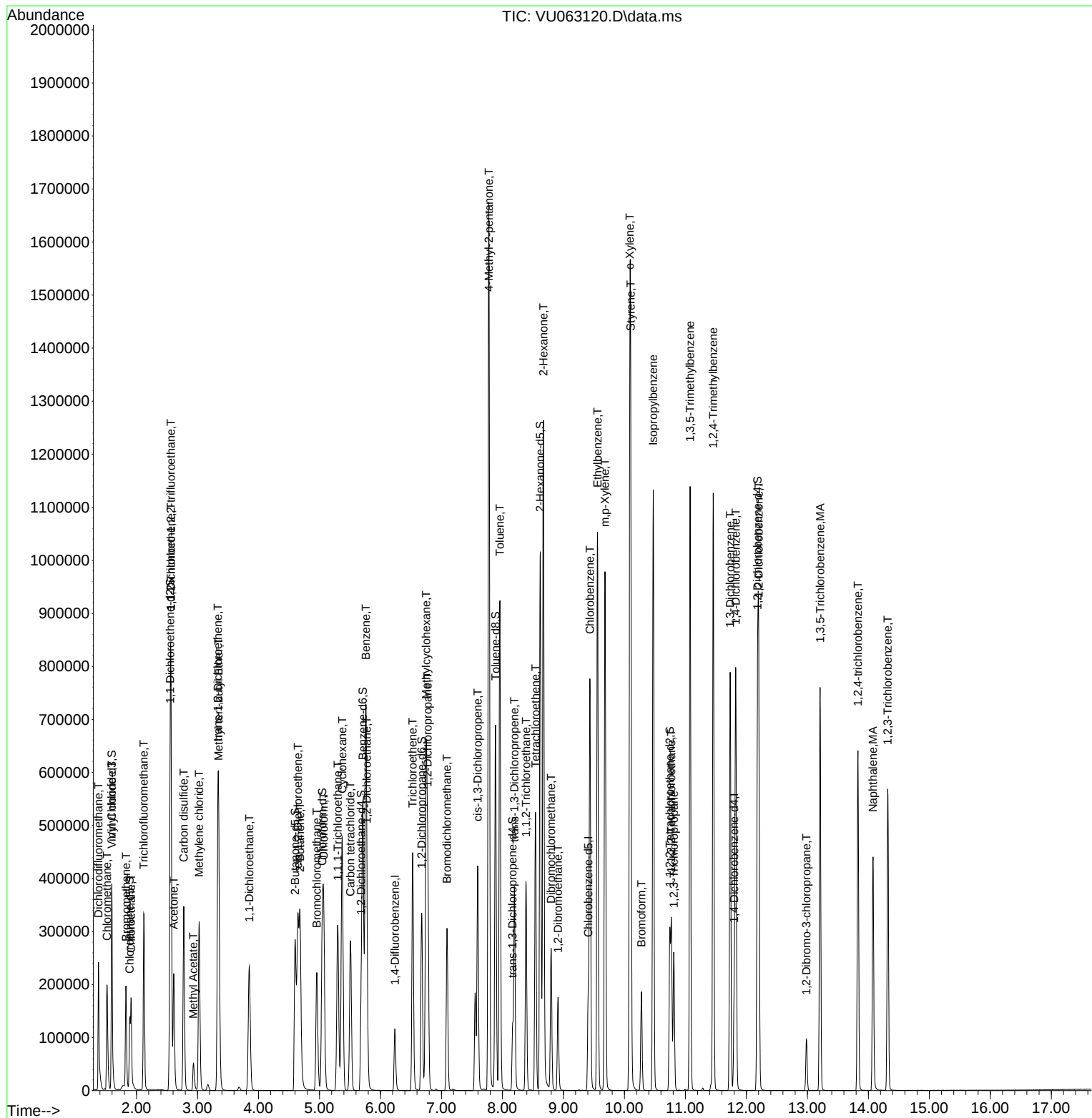
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	121234	20.765	ug/L	99
47) Tetrachloroethene	8.544	164	113282	21.438	ug/L	99
48) 2-Hexanone	8.672	43	767914	270.722	ug/L	97
49) Dibromochloromethane	8.798	129	132591	21.032	ug/L	97
50) 1,2-Dibromoethane	8.910	107	115898	21.674	ug/L	98
51) Chlorobenzene	9.434	112	400265	21.361	ug/L	99
52) Ethylbenzene	9.560	91	742760	22.760	ug/L	99
53) m,p-Xylene	9.682	106	275840	22.923	ug/L	99
54) o-Xylene	10.090	106	270675	23.041	ug/L	100
55) Styrene	10.103	104	462998	23.496	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.769	83	163589	22.128	ug/L	99
59) Bromoform	10.280	173	84242	21.214	ug/L	99
60) Isopropylbenzene	10.473	105	724263	21.760	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	110415	21.445	ug/L	99
62) 1,3,5-Trimethylbenzene	11.078	105	601822	23.000	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	593430	23.999	ug/L	99
64) 1,3-Dichlorobenzene	11.733	146	313255	20.840	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	311915	20.487	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	298681	20.817	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	25536	30.152	ug/L	98
69) 1,3,5-Trichlorobenzene	13.209	180	225483	22.598	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	191892	27.393	ug/L	100
71) Naphthalene	14.077	128	348352	33.326	ug/L	99
72) 1,2,3-Trichlorobenzene	14.319	180	173798	27.716	ug/L	97

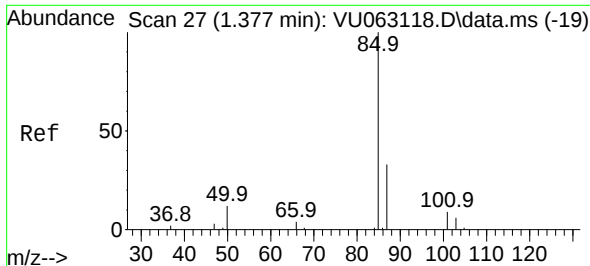
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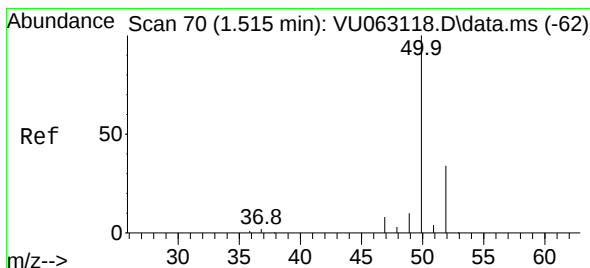
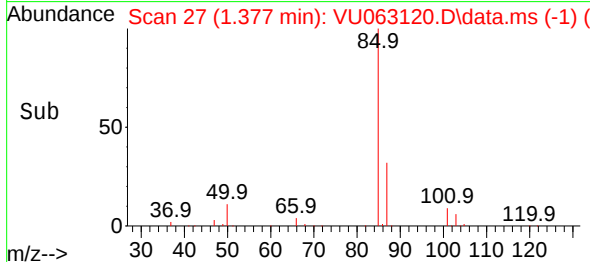
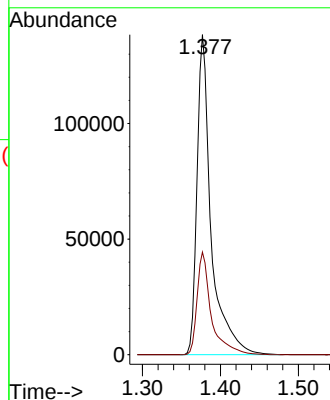
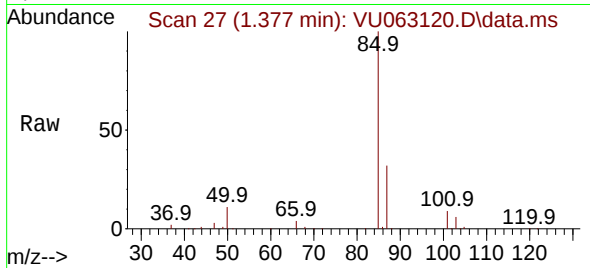




#2
 Dichlorodifluoromethane
 Concen: 26.667 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063120.D
 Acq: 04 Feb 2025 14:35

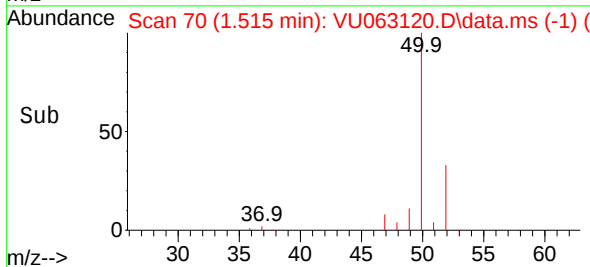
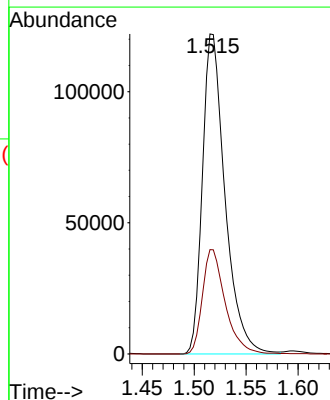
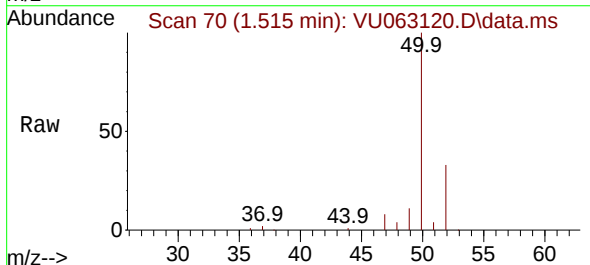
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020004

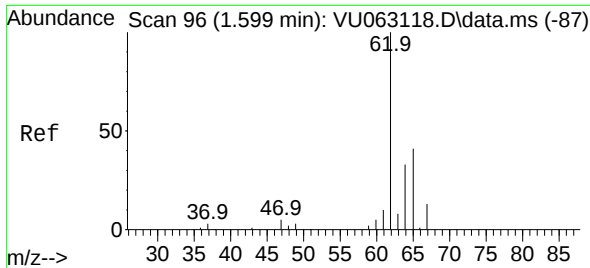
Tgt Ion: 85 Resp: 173699
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.9 38.9



#3
 Chloromethane
 Concen: 23.544 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU063120.D
 Acq: 04 Feb 2025 14:35

Tgt Ion: 50 Resp: 184546
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.4 43.6

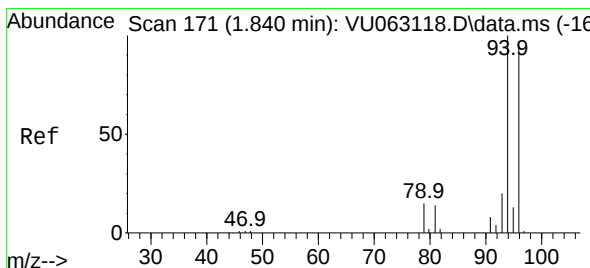
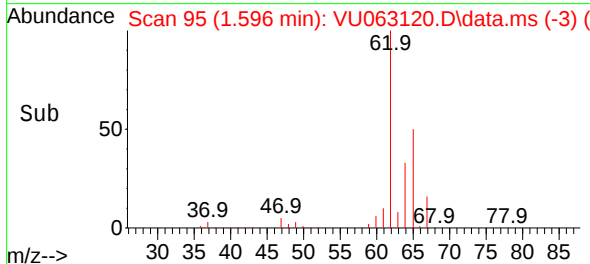
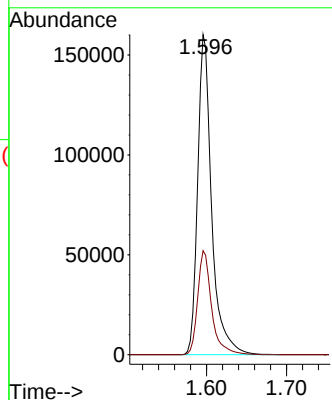
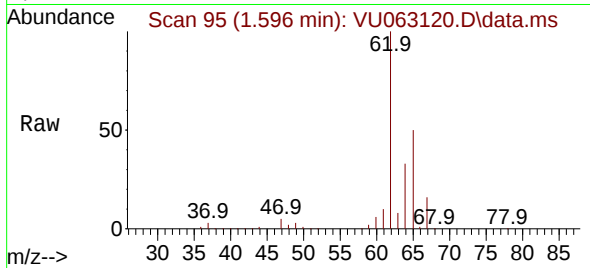




#5
 Vinyl chloride
 Concen: 23.842 ug/L
 RT: 1.596 min Scan# 96
 Delta R.T. -0.003 min
 Lab File: VU063120.D
 Acq: 04 Feb 2025 14:35

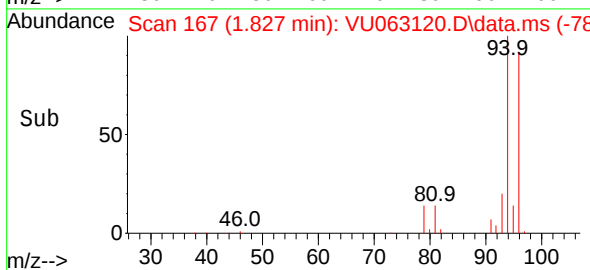
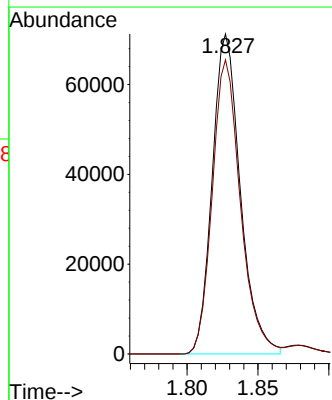
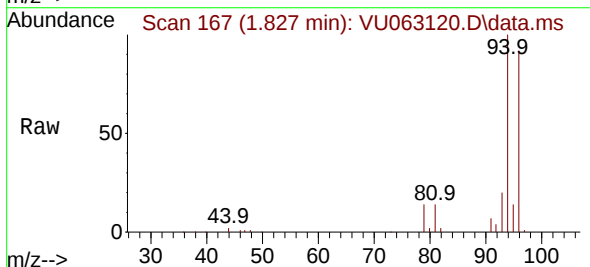
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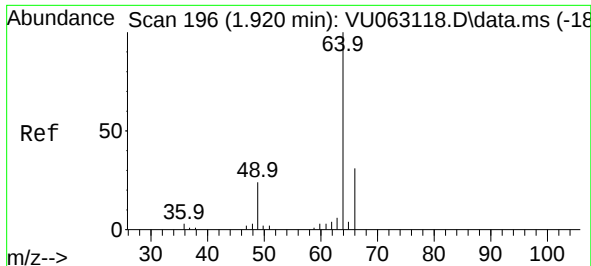
Tgt Ion: 62 Resp: 194790
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.2 43.0



#6
 Bromomethane
 Concen: 22.377 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. -0.013 min
 Lab File: VU063120.D
 Acq: 04 Feb 2025 14:35

Tgt Ion: 94 Resp: 98430
 Ion Ratio Lower Upper
 94 100
 96 91.9 66.3 123.1

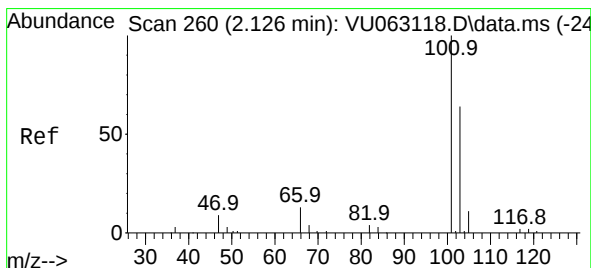
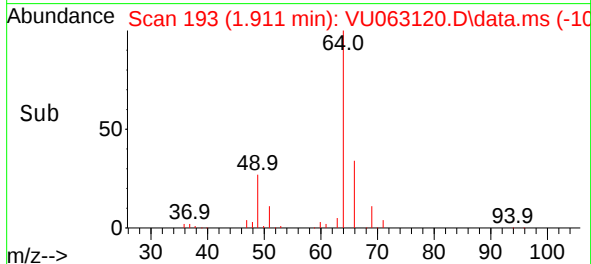
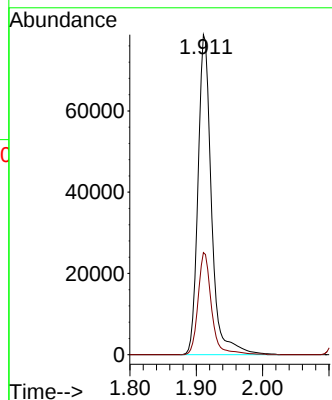
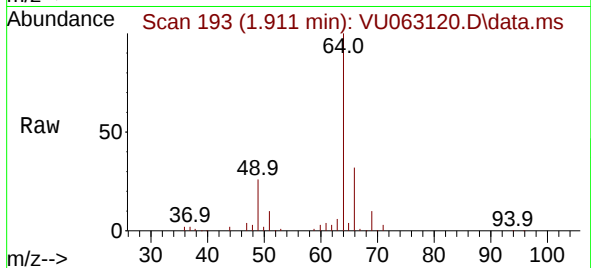




#8
Chloroethane
Concen: 22.928 ug/L
RT: 1.911 min Scan# 193
Delta R.T. -0.010 min
Lab File: VU063120.D
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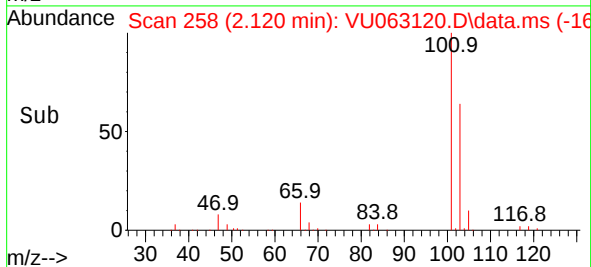
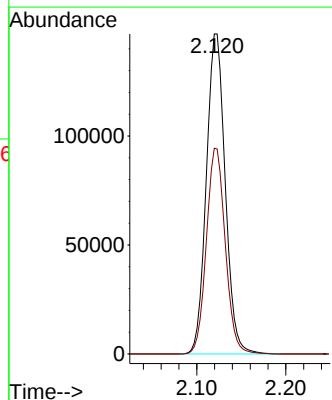
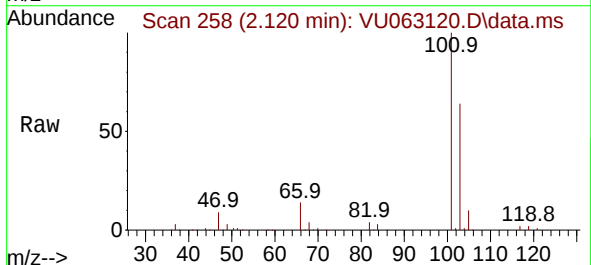
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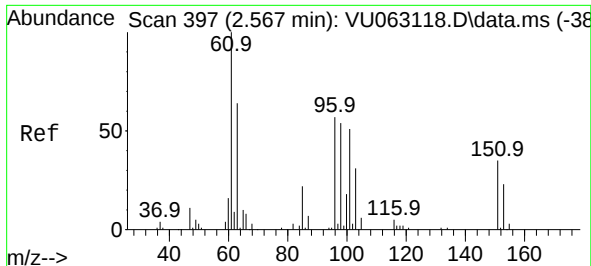
Tgt Ion: 64 Resp: 111316
Ion Ratio Lower Upper
64 100
66 31.9 21.7 40.3



#9
Trichlorofluoromethane
Concen: 20.447 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.006 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion:101 Resp: 216282
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8

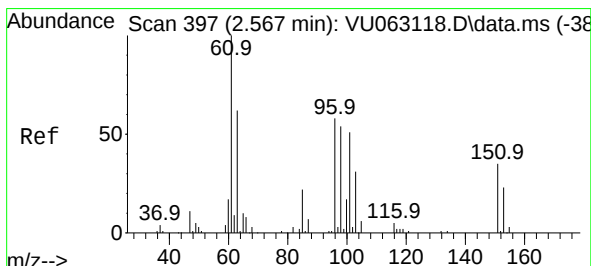
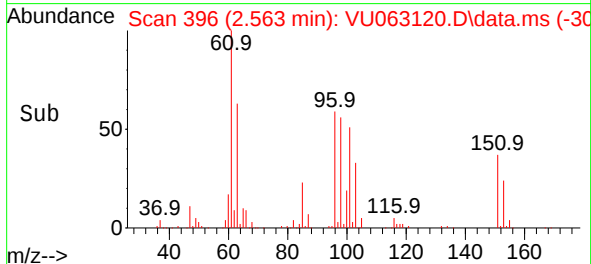
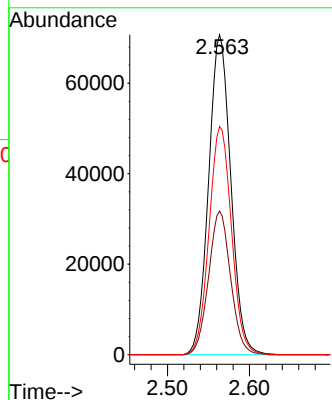
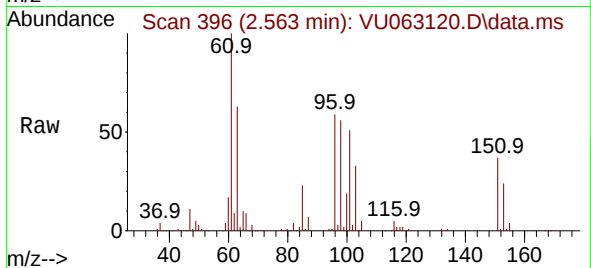




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 19.775 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

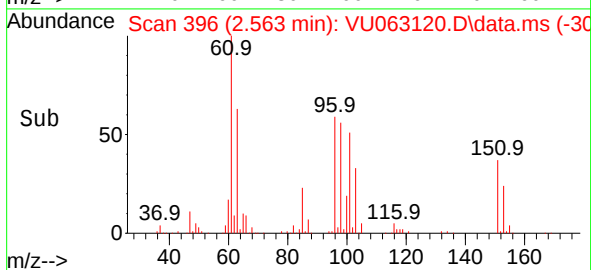
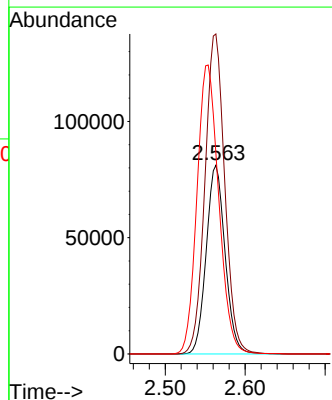
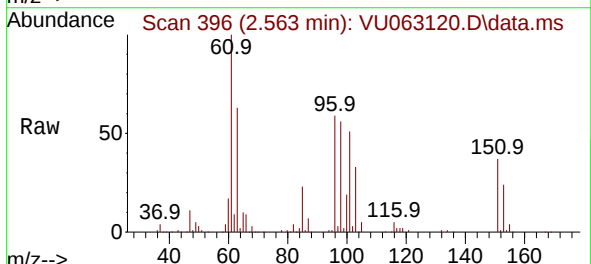
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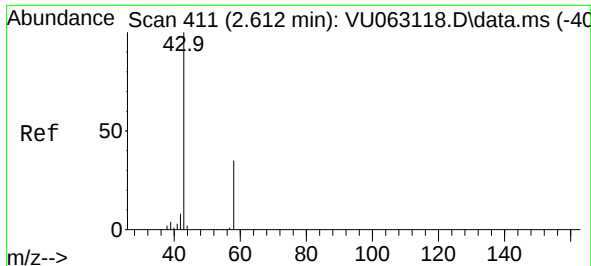
Tgt Ion:101 Resp: 132956
Ion Ratio Lower Upper
101 100
85 44.5 35.0 52.4
151 72.1 56.3 84.5



#12
1,1-Dichloroethene
Concen: 21.400 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion: 96 Resp: 133135
Ion Ratio Lower Upper
96 100
61 169.6 121.9 226.3
63 106.5 80.3 149.1





#13

Acetone

Concen: 243.342 ug/L

RT: 2.612 min Scan# 411

Delta R.T. -0.000 min

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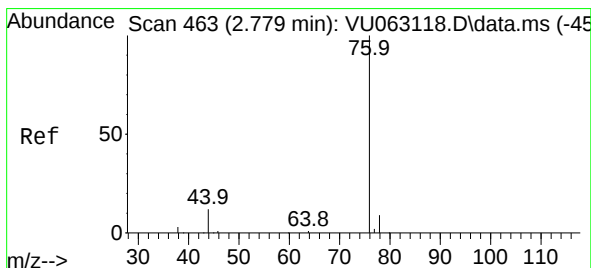
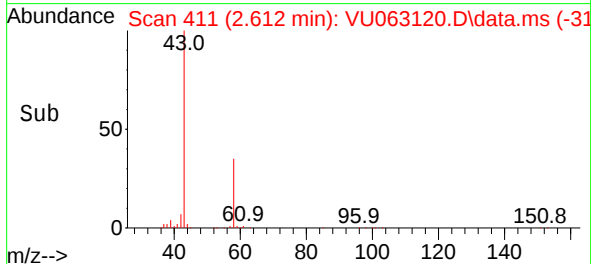
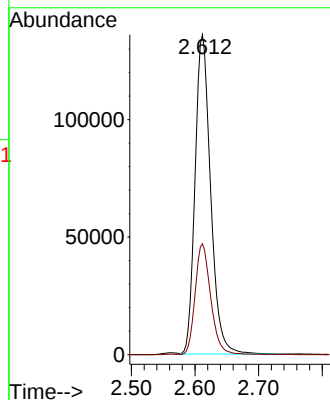
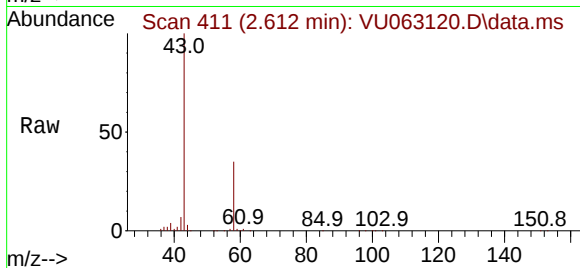
VSTD020004

Tgt Ion: 43 Resp: 230721

Ion Ratio Lower Upper

43 100

58 34.6 0.0 70.2



#14

Carbon disulfide

Concen: 24.131 ug/L

RT: 2.776 min Scan# 462

Delta R.T. -0.003 min

Lab File: VU063120.D

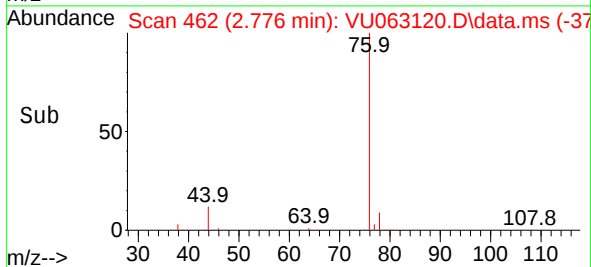
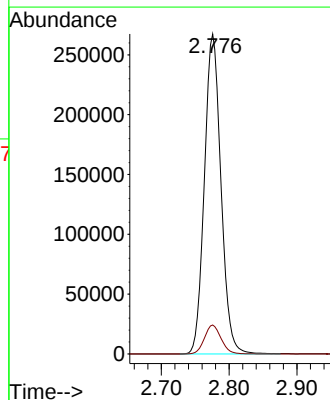
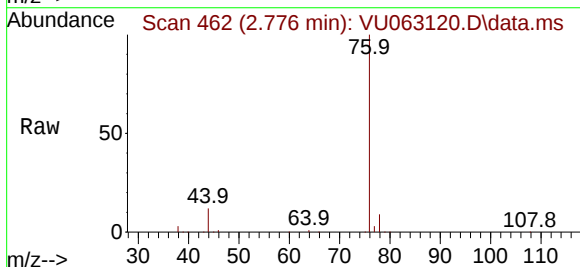
Acq: 04 Feb 2025 14:35

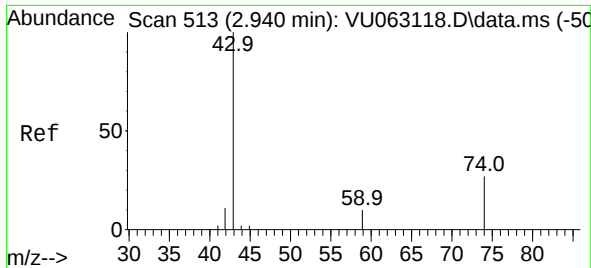
Tgt Ion: 76 Resp: 454292

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

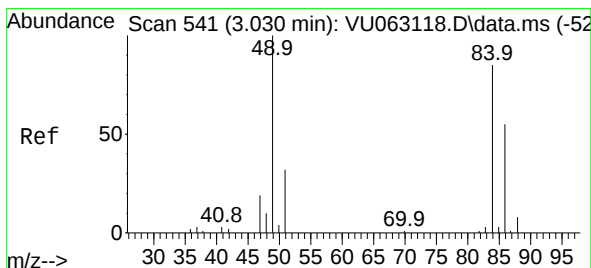
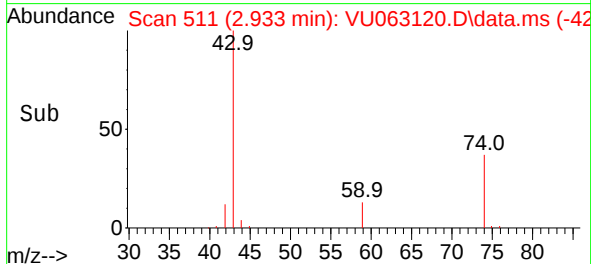
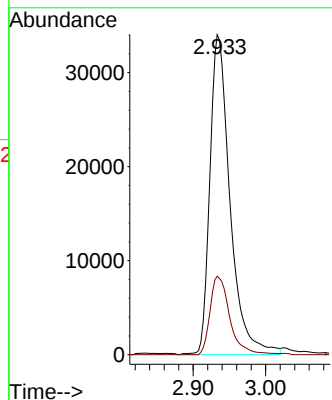
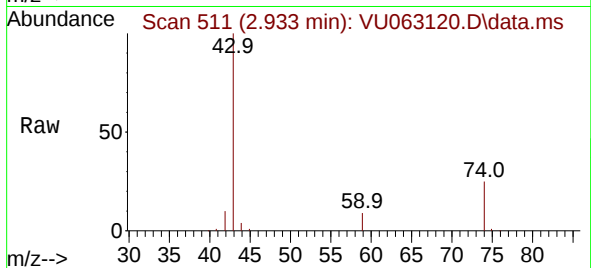




#15
Methyl Acetate
Concen: 26.284 ug/L
RT: 2.933 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

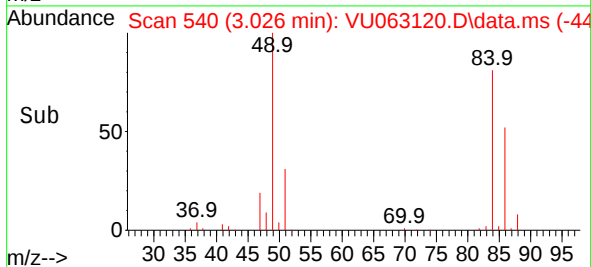
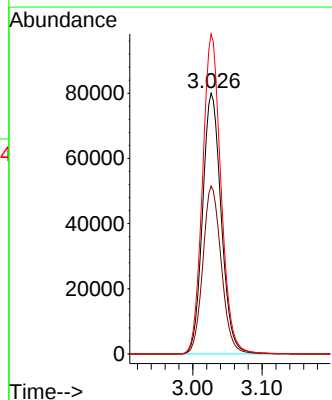
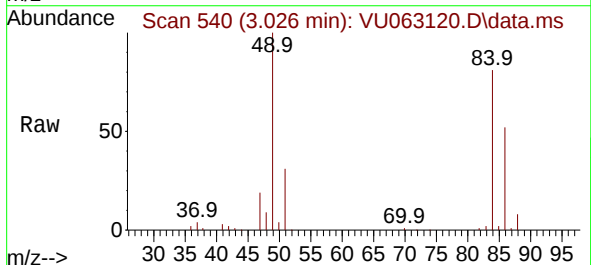
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

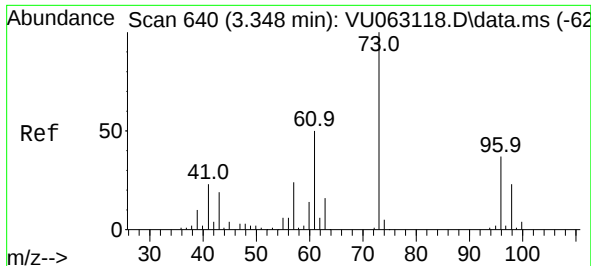
Tgt Ion: 43 Resp: 65821
Ion Ratio Lower Upper
43 100
74 23.9 19.5 29.3



#16
Methylene chloride
Concen: 20.752 ug/L
RT: 3.026 min Scan# 540
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion: 84 Resp: 149544
Ion Ratio Lower Upper
84 100
86 64.4 45.0 83.6
49 122.7 82.4 153.0

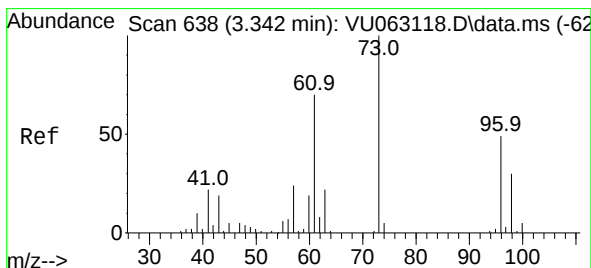
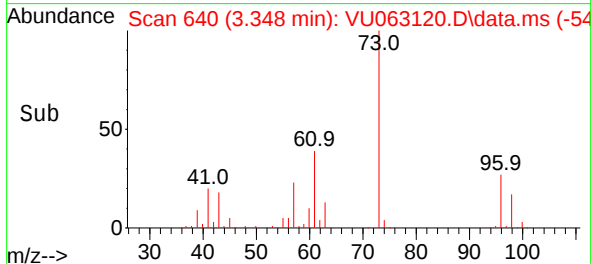
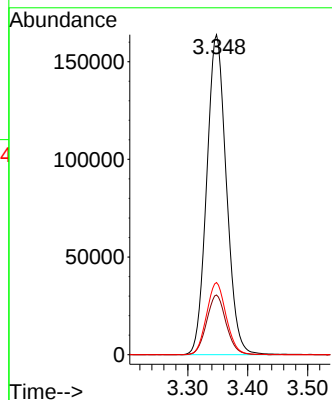
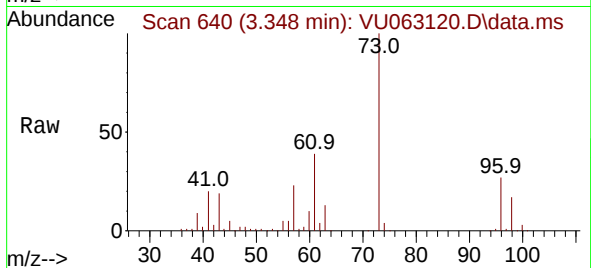




#17
Methyl tert-butyl Ether
Concen: 22.564 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

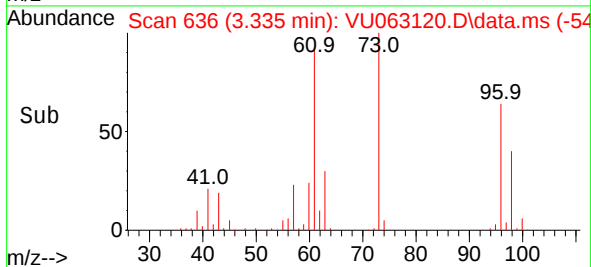
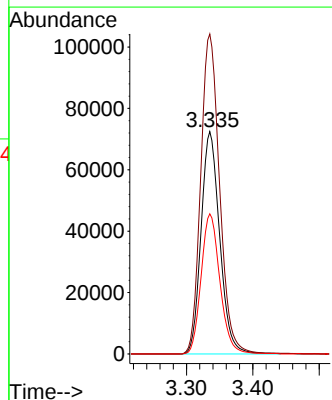
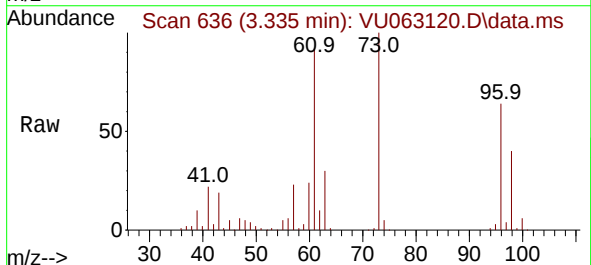
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

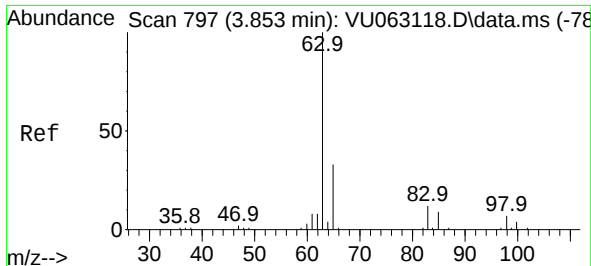
Tgt Ion: 73 Resp: 372760
Ion Ratio Lower Upper
73 100
43 18.5 15.1 22.7
57 22.6 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 22.322 ug/L
RT: 3.335 min Scan# 636
Delta R.T. -0.006 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion: 96 Resp: 141314
Ion Ratio Lower Upper
96 100
61 143.9 99.2 184.2
98 63.0 43.2 80.2

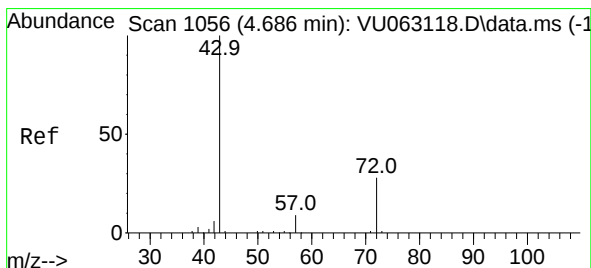
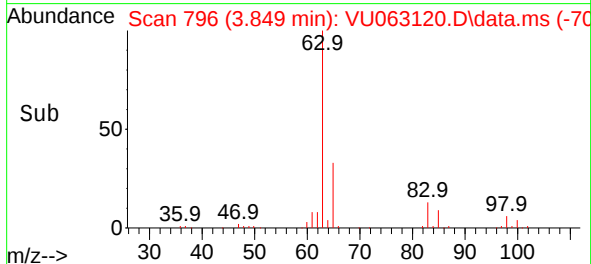
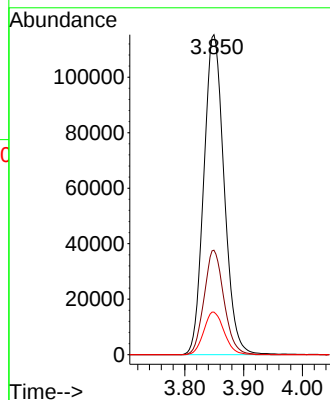
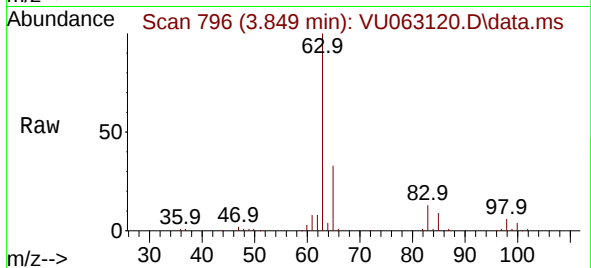




#19
1,1-Dichloroethane
Concen: 21.648 ug/L
RT: 3.849 min Scan# 797
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

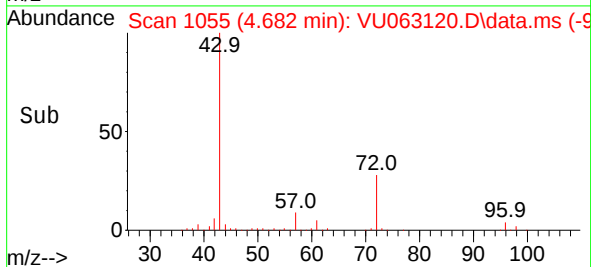
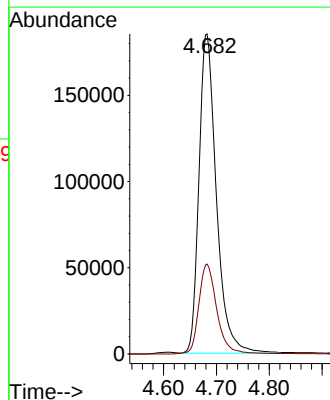
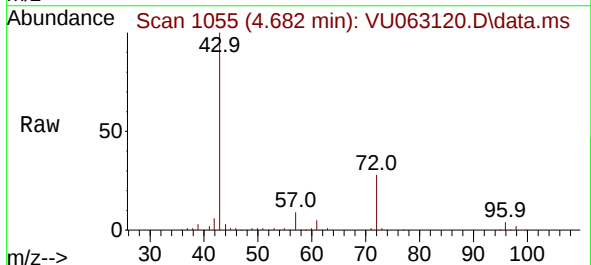
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

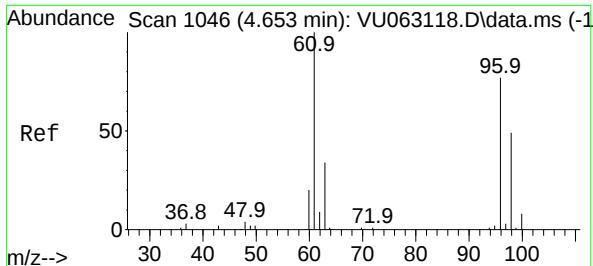
Tgt Ion: 63 Resp: 276545
Ion Ratio Lower Upper
63 100
65 32.7 23.2 43.0
83 13.3 8.7 16.1



#21
2-Butanone
Concen: 271.407 ug/L
RT: 4.682 min Scan# 1055
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion: 43 Resp: 422788
Ion Ratio Lower Upper
43 100
72 29.2 13.9 41.7

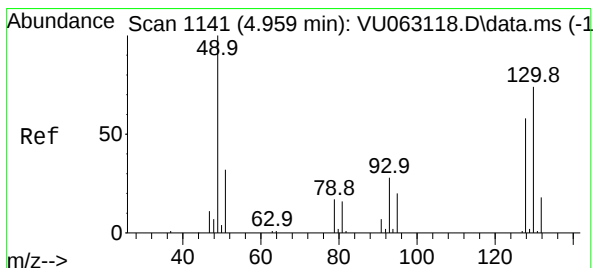
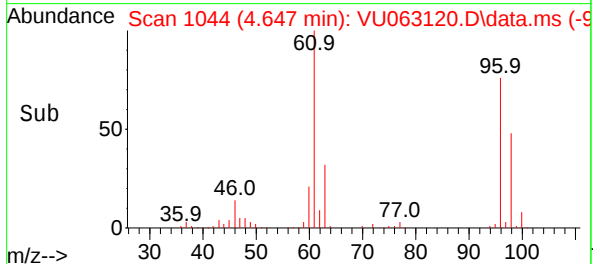
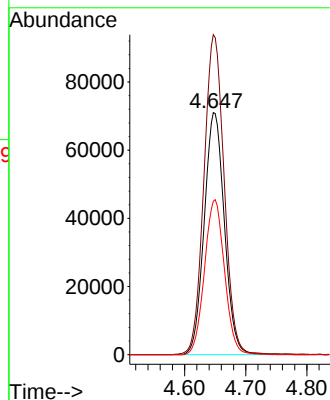
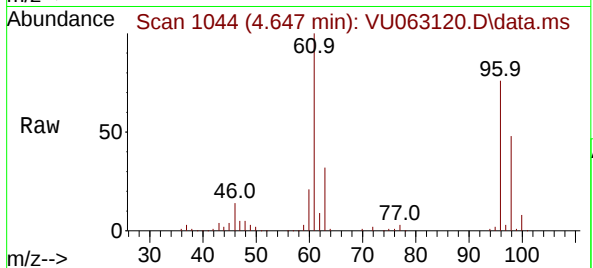




#22
cis-1,2-Dichloroethene
Concen: 21.426 ug/L
RT: 4.647 min Scan# 1140
Delta R.T. -0.007 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

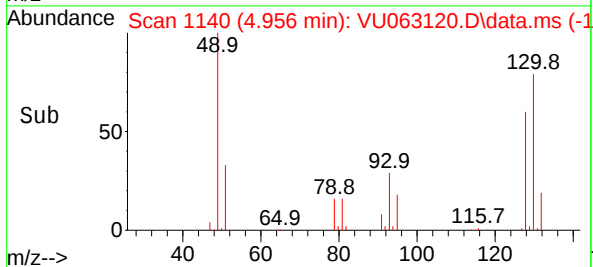
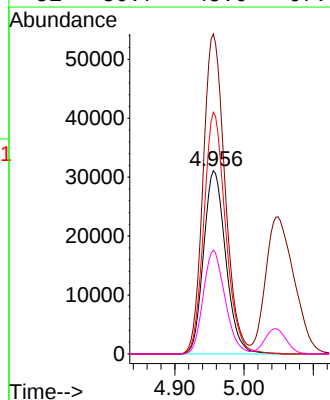
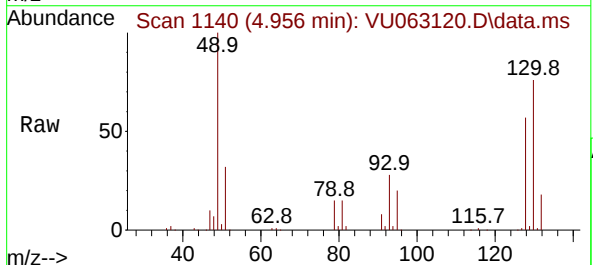
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

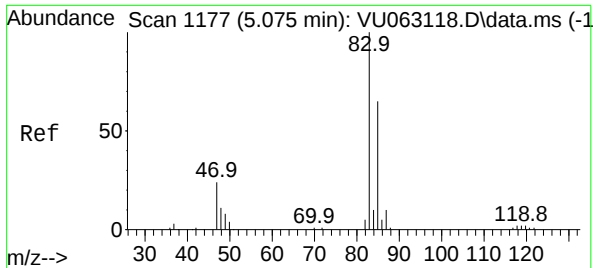
Tgt Ion: 96 Resp: 163109
Ion Ratio Lower Upper
96 100
61 132.2 91.8 170.6
98 63.4 44.4 82.4



#23
Bromochloromethane
Concen: 21.425 ug/L
RT: 4.956 min Scan# 1140
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion:128 Resp: 68951
Ion Ratio Lower Upper
128 100
49 174.7 121.2 225.2
130 132.0 89.2 165.6
51 56.7 45.0 67.4





#25

Chloroform

Concen: 20.932 ug/L

RT: 5.071 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

Instrument :

MSVOA_U

ClientSampleId :

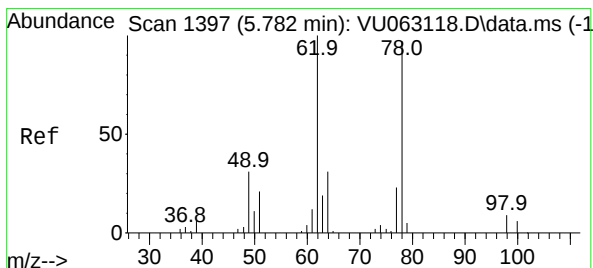
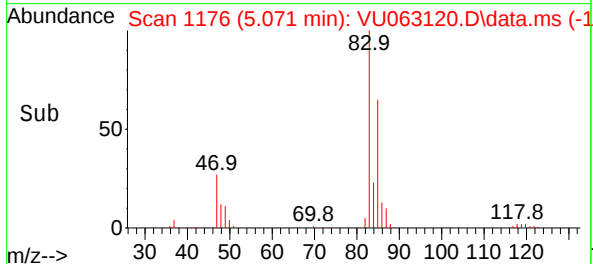
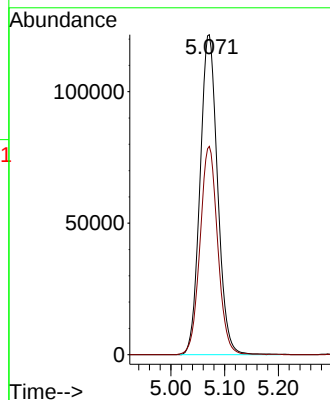
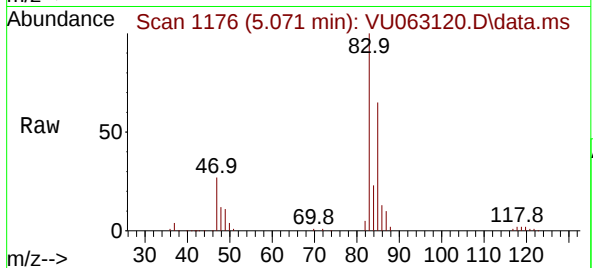
VSTD020004

Tgt Ion: 83 Resp: 275727

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.8



#27

1,2-Dichloroethane

Concen: 22.933 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU063120.D

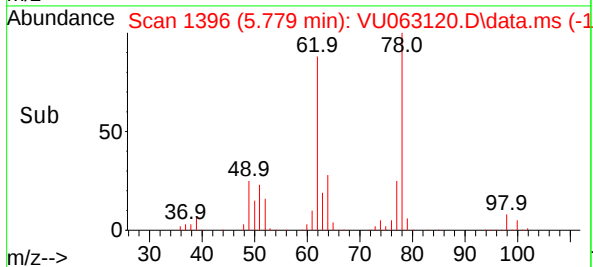
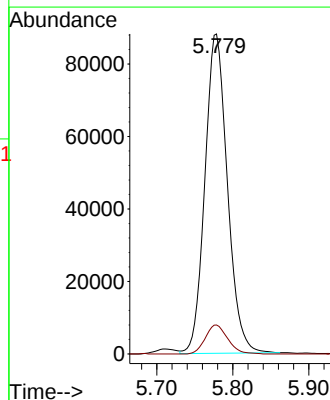
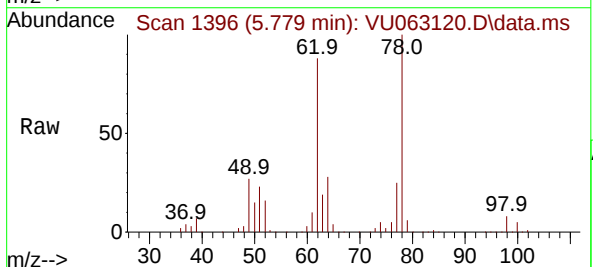
Acq: 04 Feb 2025 14:35

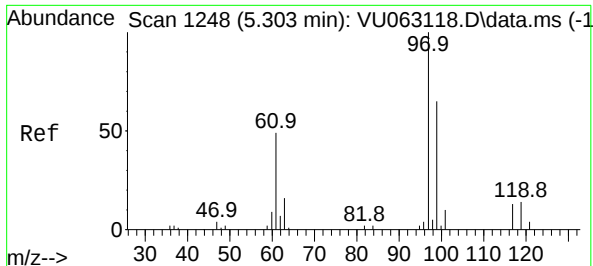
Tgt Ion: 62 Resp: 181027

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8

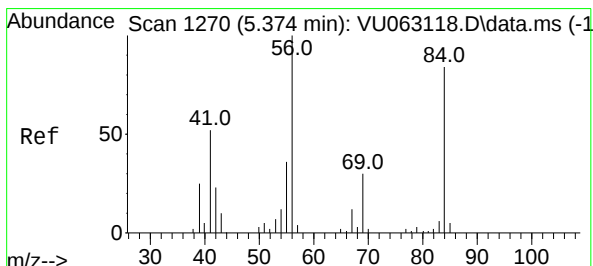
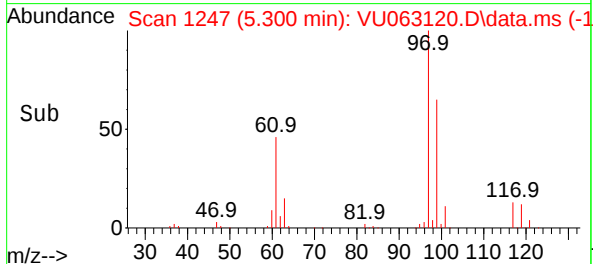
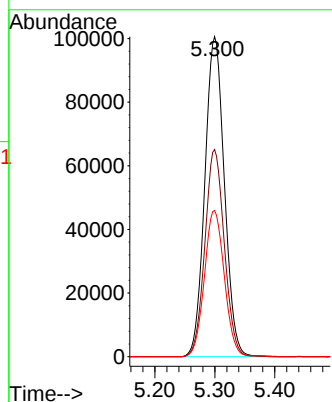
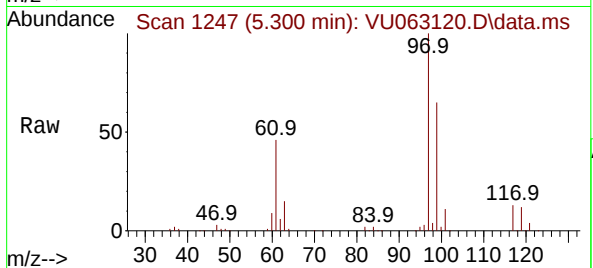




#29
1,1,1-Trichloroethane
Concen: 21.062 ug/L
RT: 5.300 min Scan# 1248
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

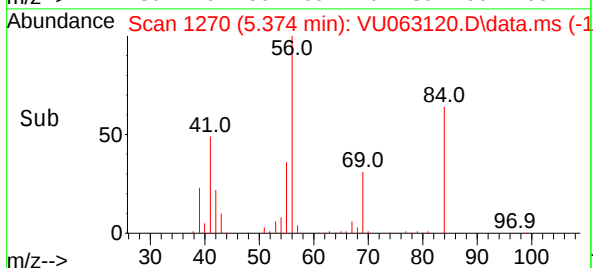
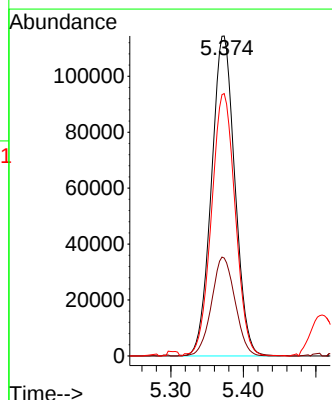
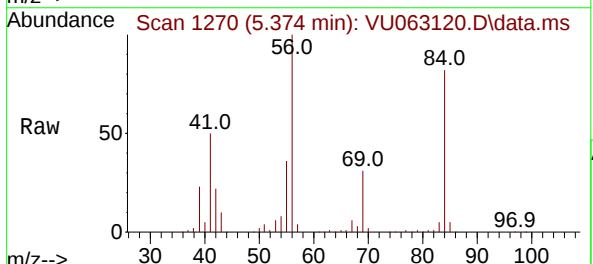
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

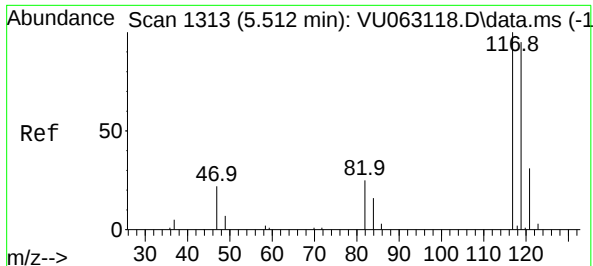
Tgt Ion: 97 Resp: 228042
Ion Ratio Lower Upper
97 100
99 64.5 51.5 77.3
61 46.6 38.5 57.7



#30
Cyclohexane
Concen: 25.035 ug/L
RT: 5.374 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion: 56 Resp: 256768
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 83.2 67.9 101.9

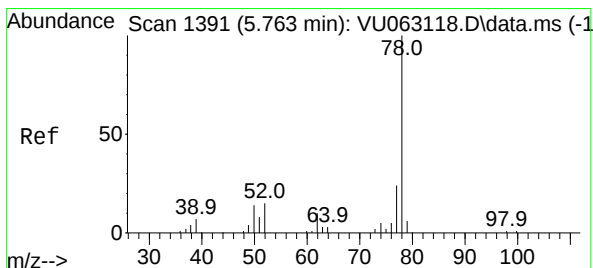
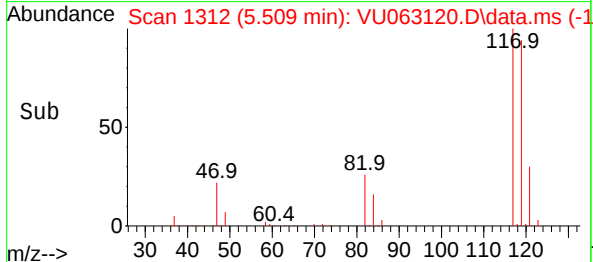
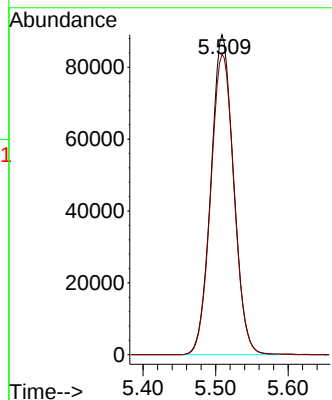
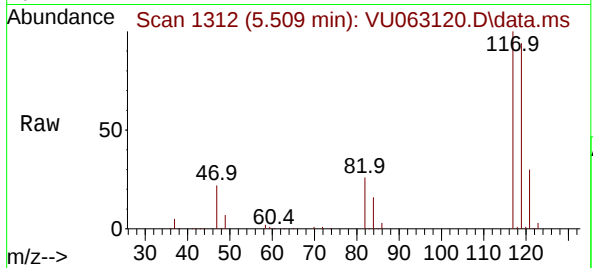




#31
Carbon tetrachloride
Concen: 20.919 ug/L
RT: 5.509 min Scan# 1312
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

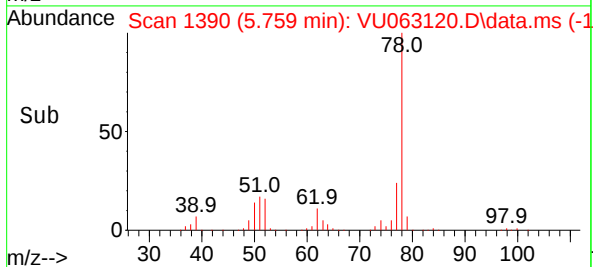
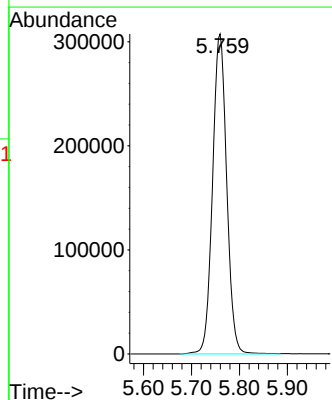
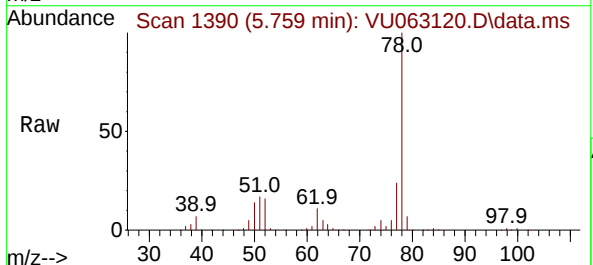
Instrument : MSVOA_U
ClientSampleId : VSTD020004

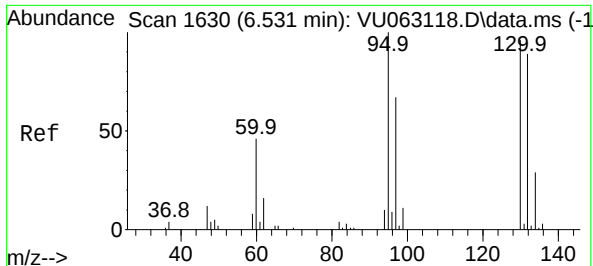
Tgt Ion:117 Resp: 193422
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4



#33
Benzene
Concen: 21.529 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion: 78 Resp: 629723





#34

Trichloroethene

Concen: 20.519 ug/L

RT: 6.528 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD020004

Tgt Ion: 95 Resp: 157745

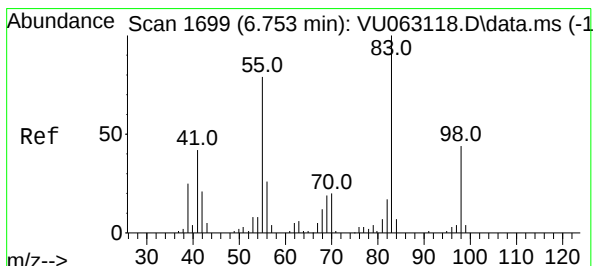
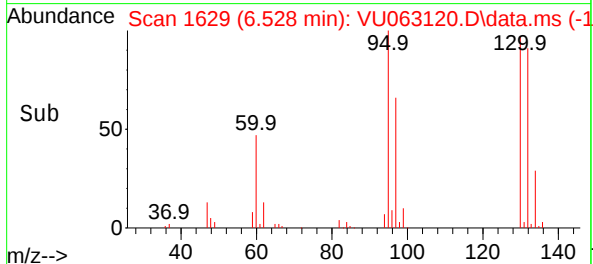
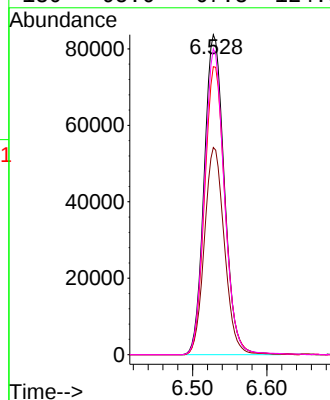
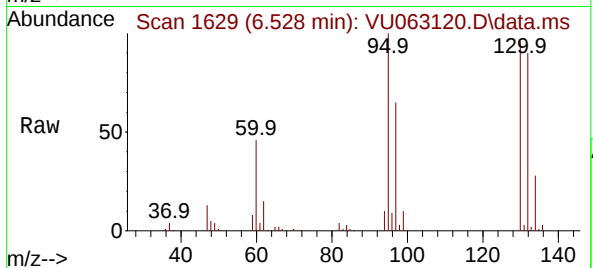
Ion Ratio Lower Upper

95 100

97 64.7 46.7 86.7

132 90.0 62.4 115.8

130 95.6 67.3 124.9



#35

Methylcyclohexane

Concen: 23.388 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

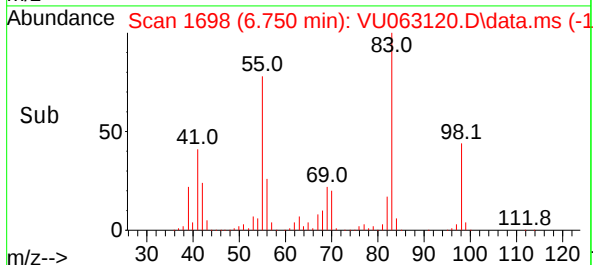
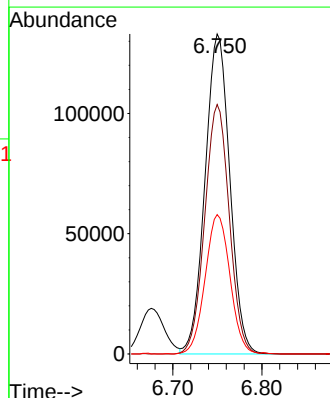
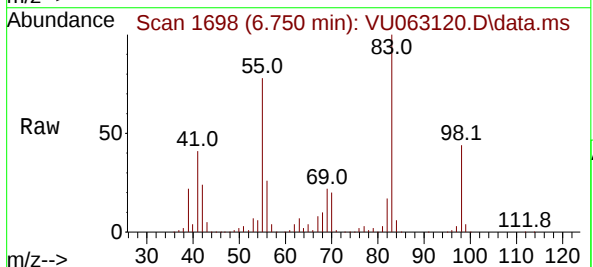
Tgt Ion: 83 Resp: 257282

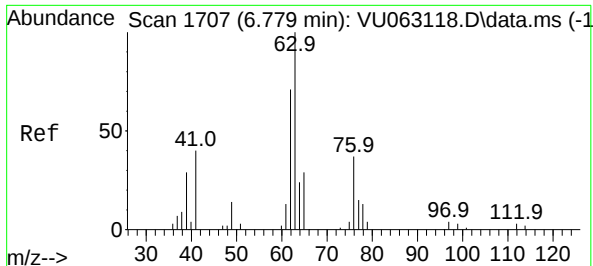
Ion Ratio Lower Upper

83 100

55 77.2 62.8 94.2

98 43.6 36.0 54.0

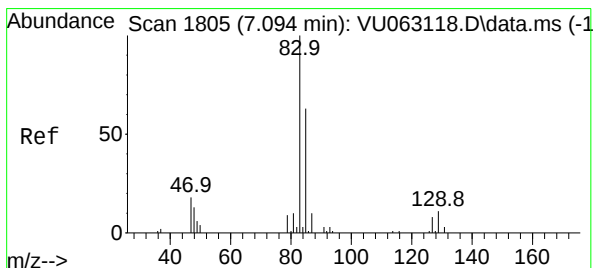
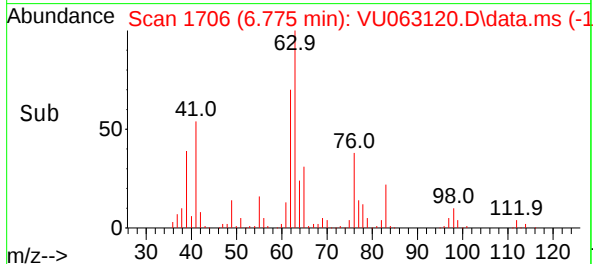
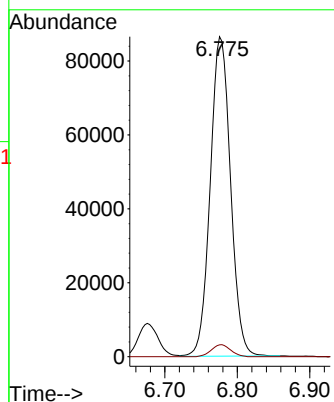
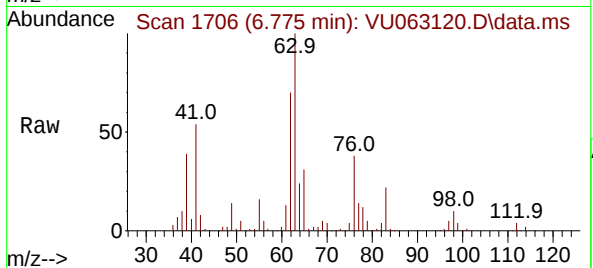




#37
1,2-Dichloropropane
Concen: 21.583 ug/L
RT: 6.775 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

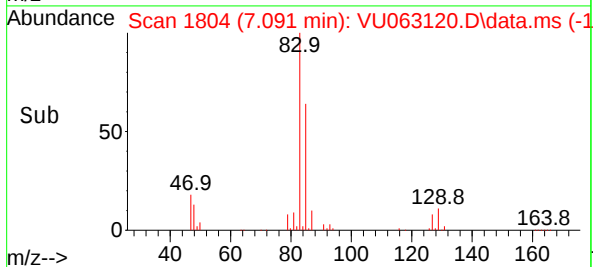
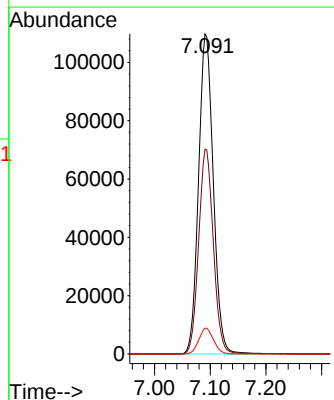
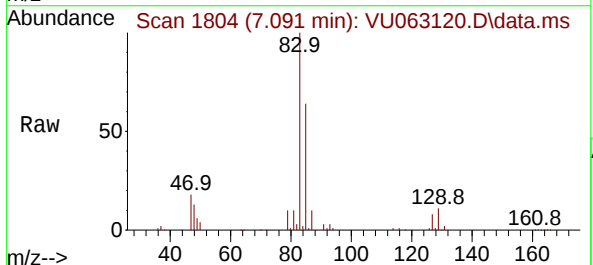
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

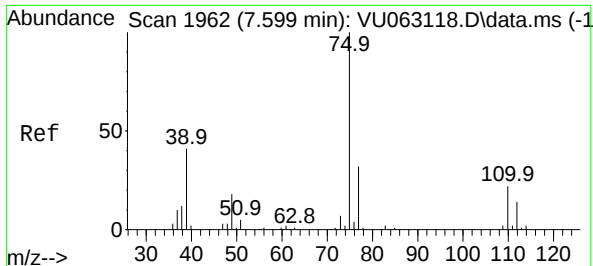
Tgt Ion: 63 Resp: 168234
Ion Ratio Lower Upper
63 100
112 3.6 2.6 4.0



#38
Bromodichloromethane
Concen: 21.035 ug/L
RT: 7.091 min Scan# 1804
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion: 83 Resp: 201864
Ion Ratio Lower Upper
83 100
85 64.0 44.0 81.8
127 8.0 6.3 9.5

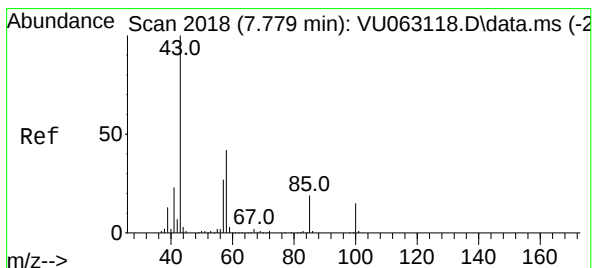
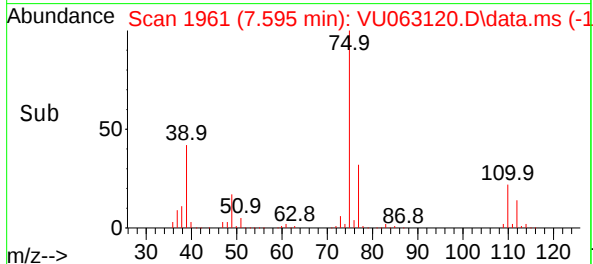
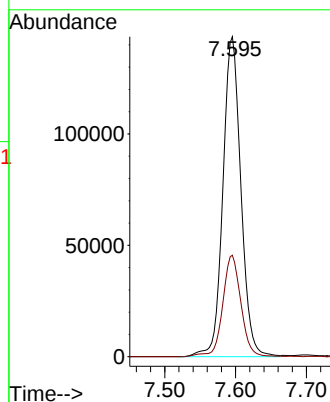
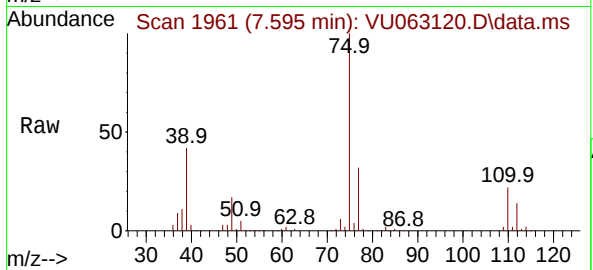




#39
 cis-1,3-Dichloropropene
 Concen: 22.398 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. -0.003 min
 Lab File: VU063120.D
 Acq: 04 Feb 2025 14:35

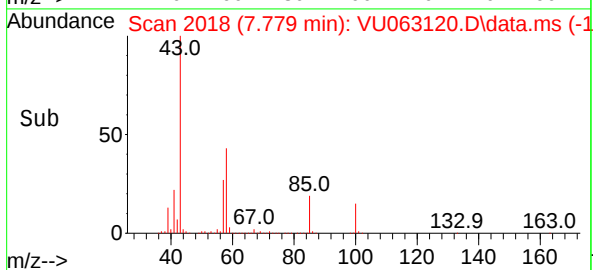
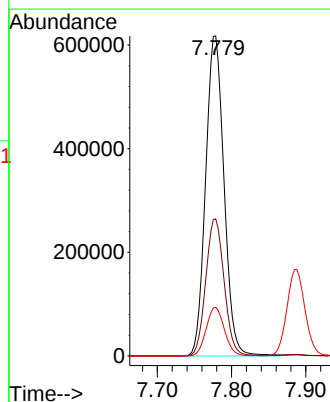
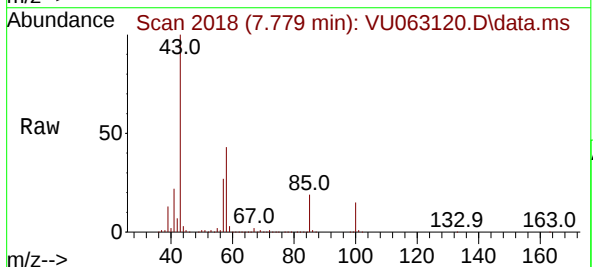
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020004

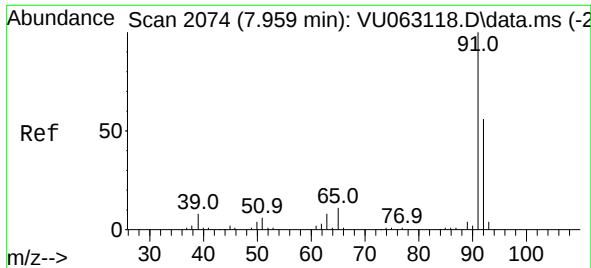
Tgt Ion: 75 Resp: 253723
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 261.311 ug/L
 RT: 7.779 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: VU063120.D
 Acq: 04 Feb 2025 14:35

Tgt Ion: 43 Resp: 1061369
 Ion Ratio Lower Upper
 43 100
 58 42.8 33.7 50.5
 100 15.1 12.1 18.1





#42

Toluene

Concen: 21.855 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

Instrument :

MSVOA_U

ClientSampleId :

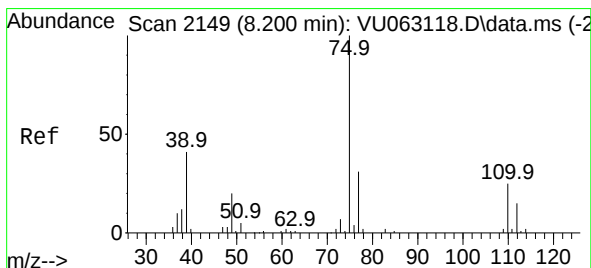
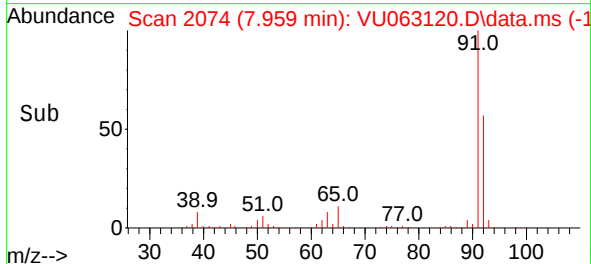
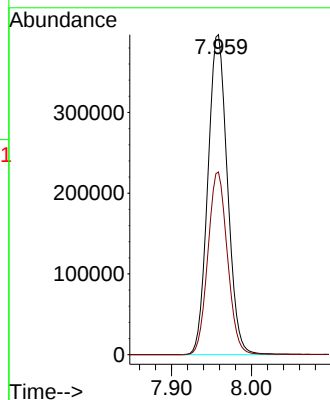
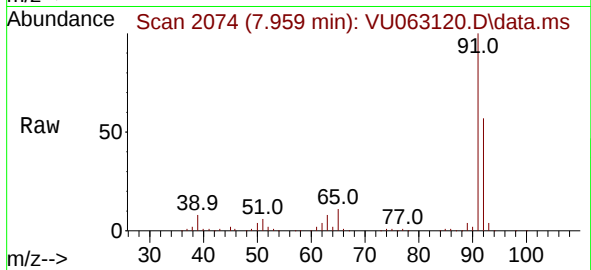
VSTD020004

Tgt Ion: 91 Resp: 674210

Ion Ratio Lower Upper

91 100

92 57.1 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 22.857 ug/L

RT: 8.197 min Scan# 2148

Delta R.T. -0.003 min

Lab File: VU063120.D

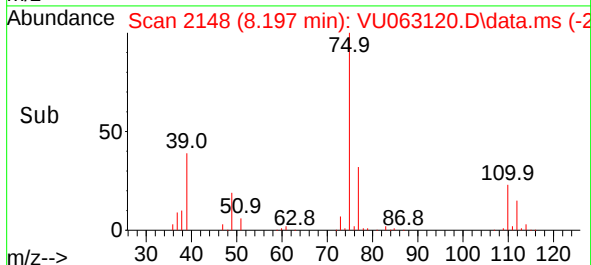
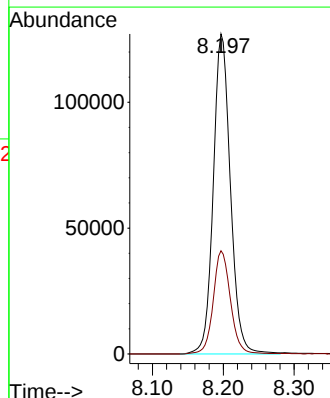
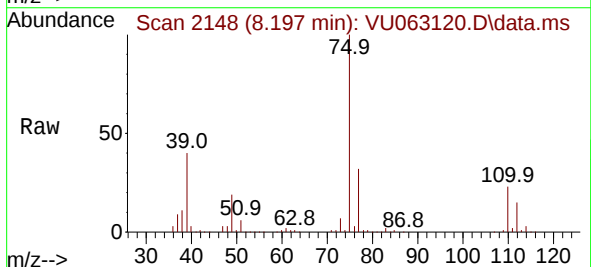
Acq: 04 Feb 2025 14:35

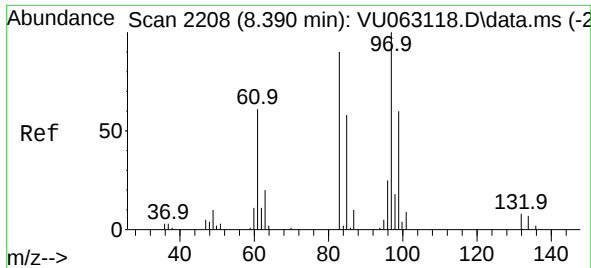
Tgt Ion: 75 Resp: 214086

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 20.765 ug/L

RT: 8.386 min Scan# 2207

Delta R.T. -0.003 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD020004

Tgt Ion: 97 Resp: 121234

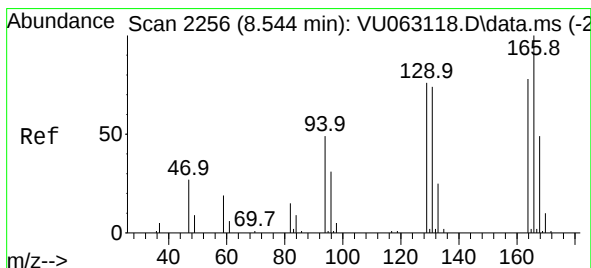
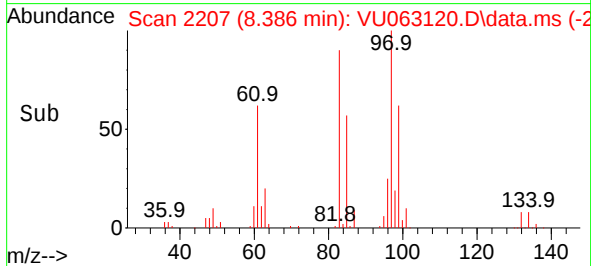
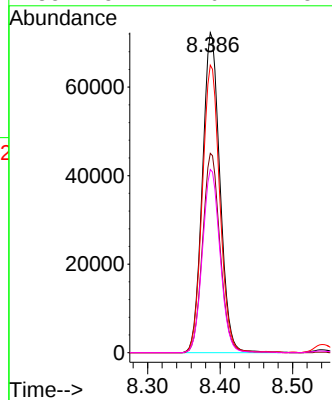
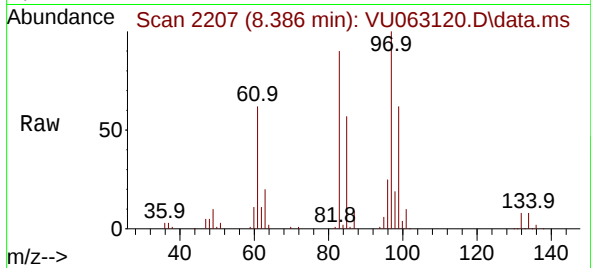
Ion Ratio Lower Upper

97 100

99 62.3 42.2 78.4

83 89.9 62.9 116.9

85 57.2 40.4 75.0



#47

Tetrachloroethene

Concen: 21.438 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

Tgt Ion: 164 Resp: 113282

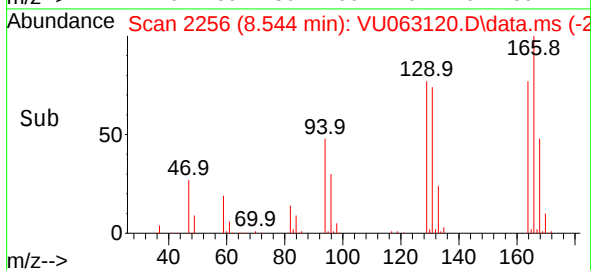
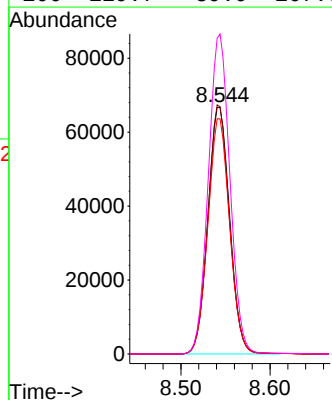
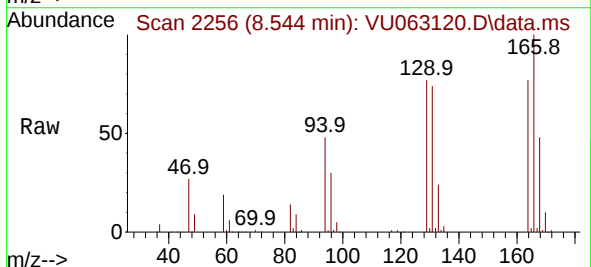
Ion Ratio Lower Upper

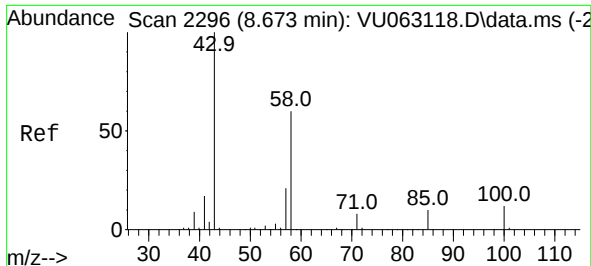
164 100

129 100.2 68.6 127.4

131 95.3 66.5 123.5

166 129.7 89.9 167.0

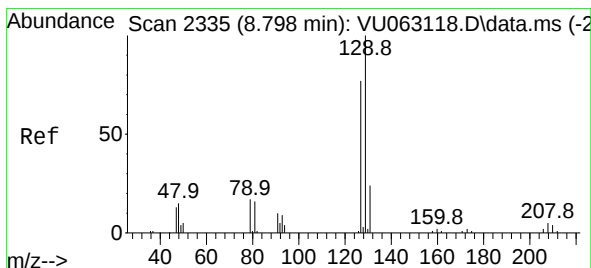
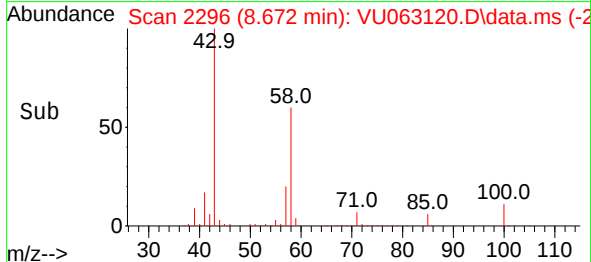
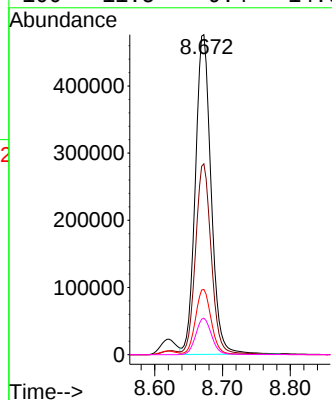
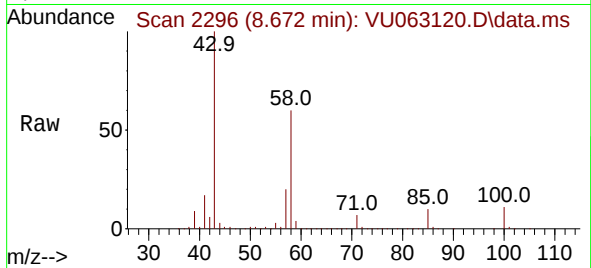




#48
2-Hexanone
Concen: 270.722 ug/L
RT: 8.672 min Scan# 2296
Delta R.T. -0.000 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

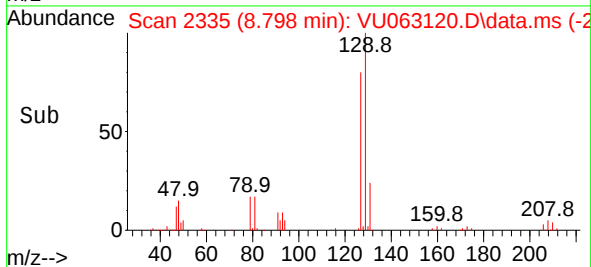
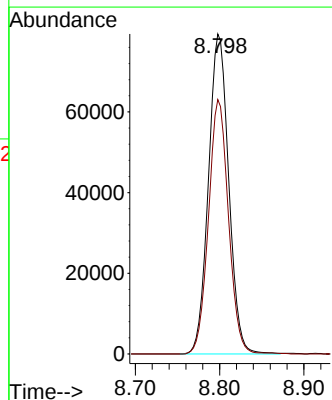
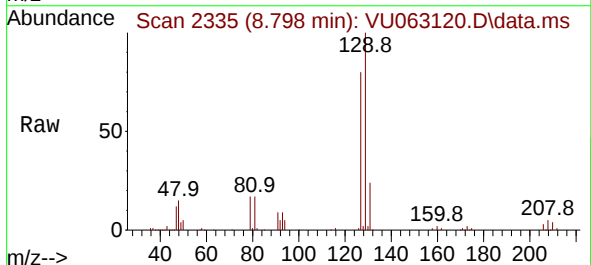
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

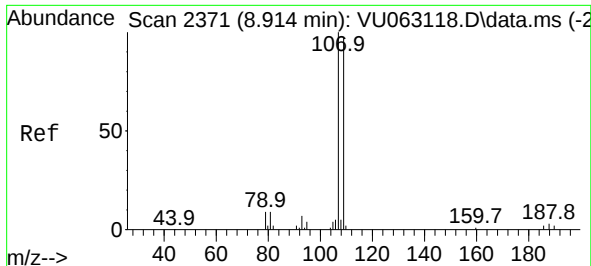
Tgt Ion:	43	Resp:	767914
Ion	Ratio	Lower	Upper
43	100		
58	60.3	45.8	68.8
57	20.4	15.7	23.5
100	11.5	9.4	14.0



#49
Dibromochloromethane
Concen: 21.032 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion:	129	Resp:	132591
Ion	Ratio	Lower	Upper
129	100		
127	79.5	53.8	99.8

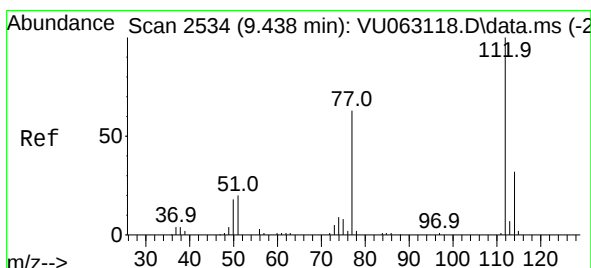
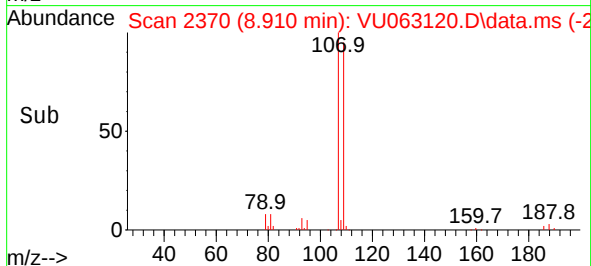
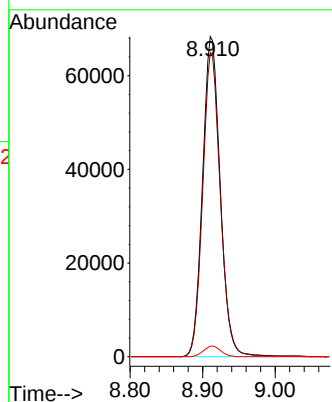
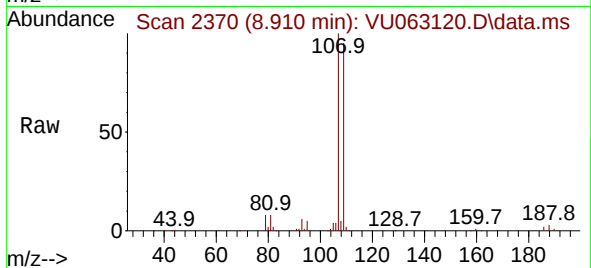




#50
1,2-Dibromoethane
Concen: 21.674 ug/L
RT: 8.910 min Scan# 2371
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

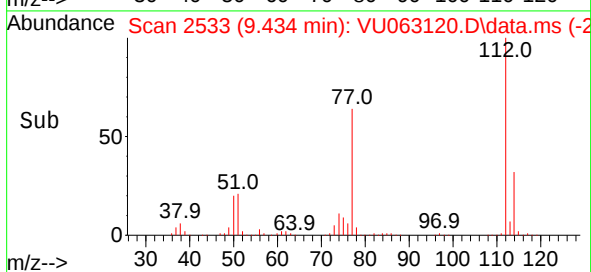
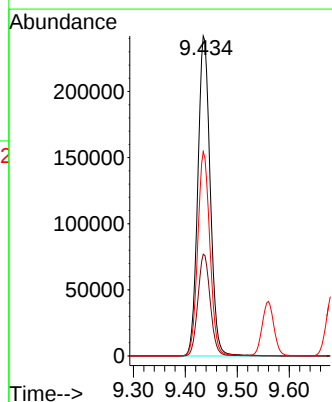
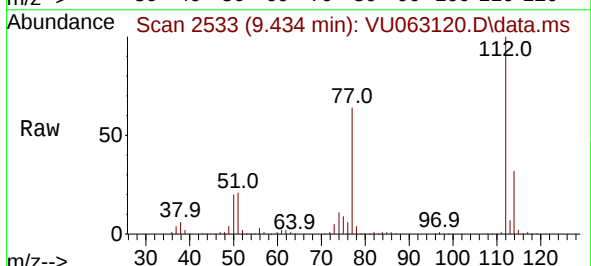
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

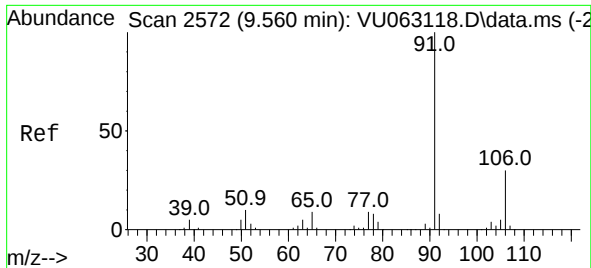
Tgt Ion:107 Resp: 115898
Ion Ratio Lower Upper
107 100
109 95.0 67.6 125.6
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 21.361 ug/L
RT: 9.434 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion:112 Resp: 400265
Ion Ratio Lower Upper
112 100
114 31.8 22.6 42.0
77 63.9 50.8 76.2

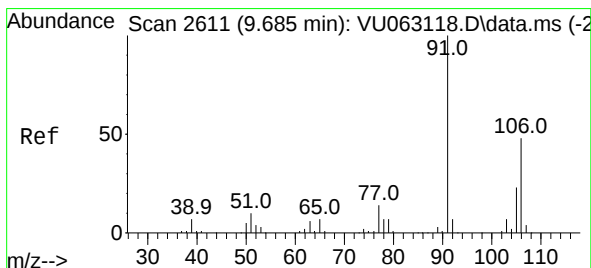
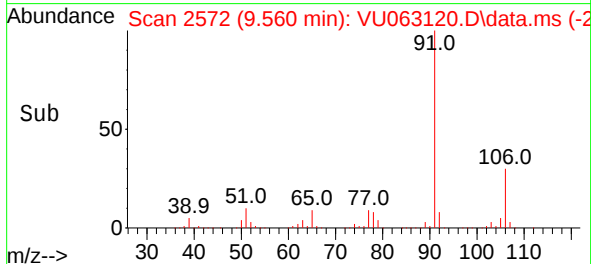
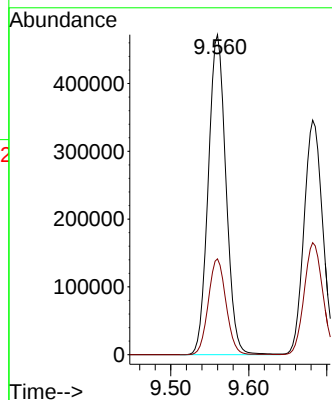
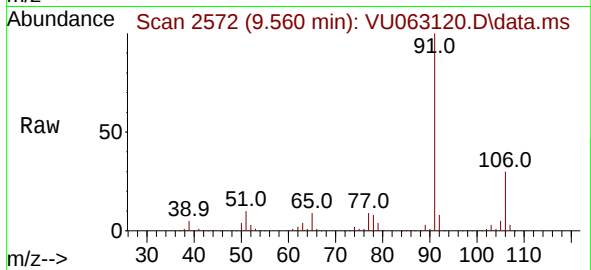




#52
Ethylbenzene
Concen: 22.760 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.000 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

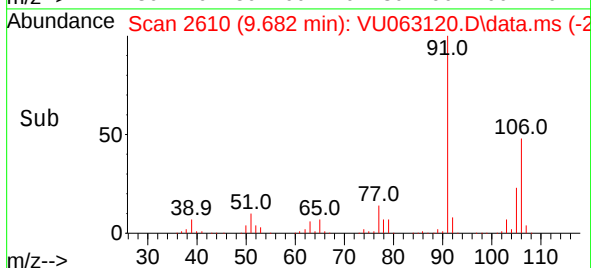
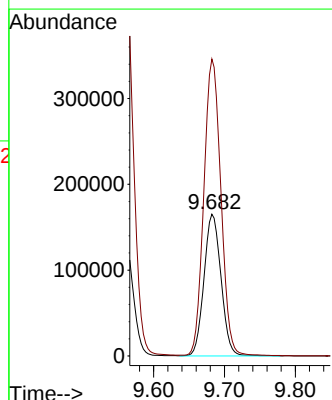
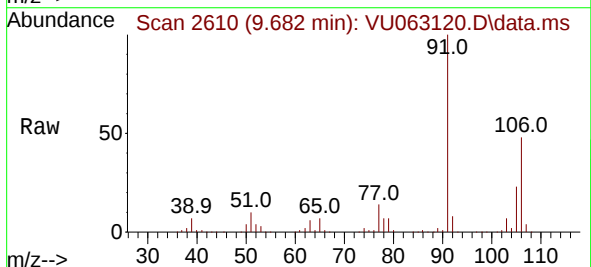
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

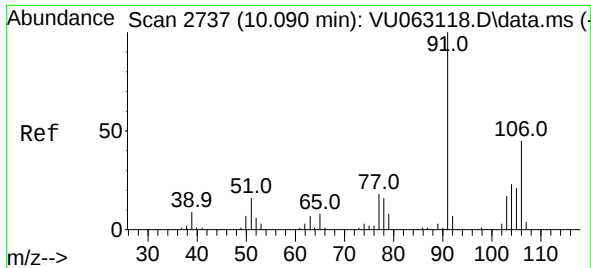
Tgt Ion: 91 Resp: 742760
Ion Ratio Lower Upper
91 100
106 30.0 21.3 39.6



#53
m,p-Xylene
Concen: 22.923 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion:106 Resp: 275840
Ion Ratio Lower Upper
106 100
91 209.5 147.3 273.6

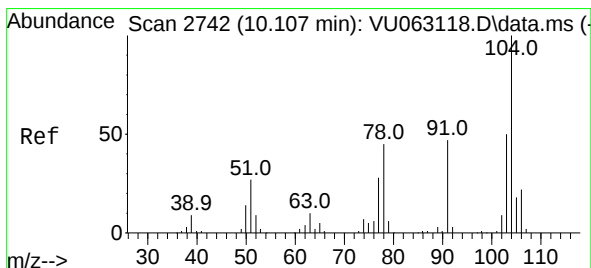
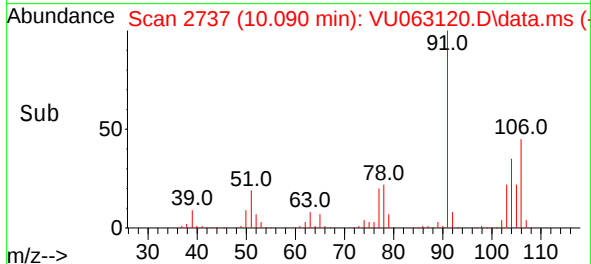
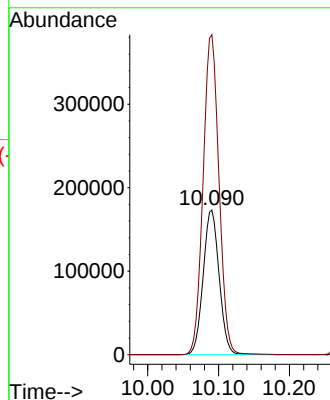
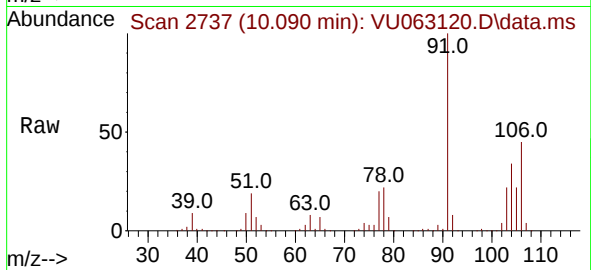




#54
o-Xylene
Concen: 23.041 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

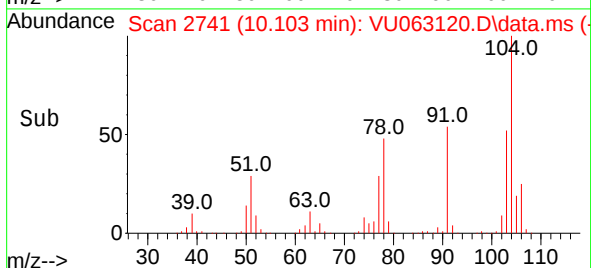
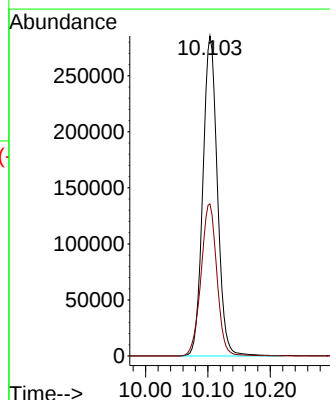
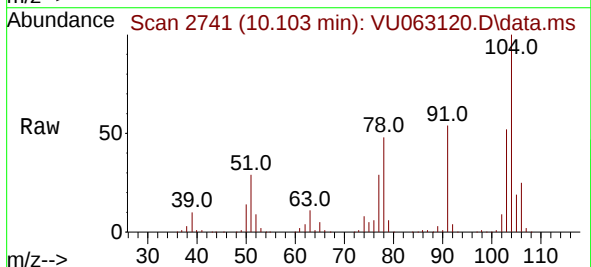
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

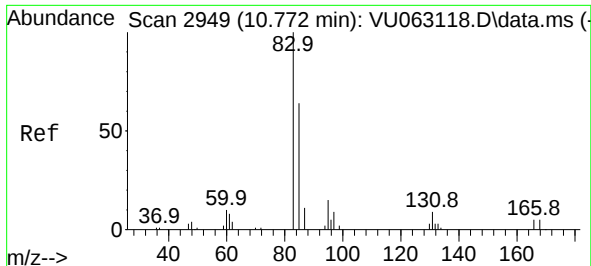
Tgt Ion:106 Resp: 270675
Ion Ratio Lower Upper
106 100
91 221.3 155.4 288.6



#55
Styrene
Concen: 23.496 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion:104 Resp: 462998
Ion Ratio Lower Upper
104 100
78 47.5 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 22.128 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD020004

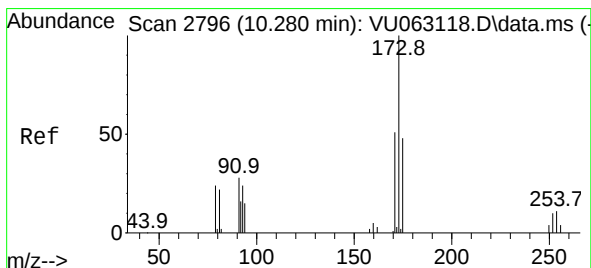
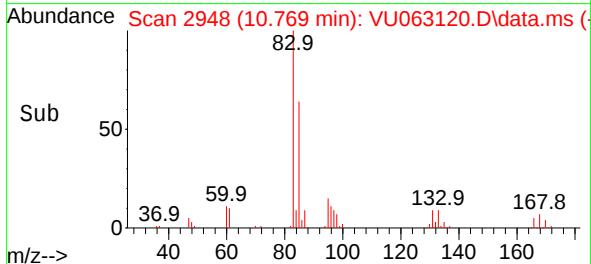
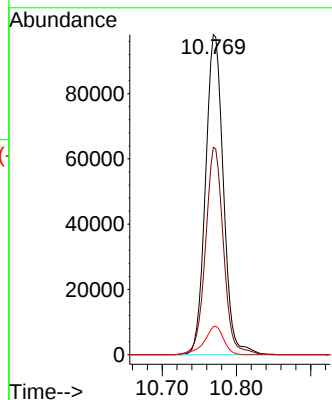
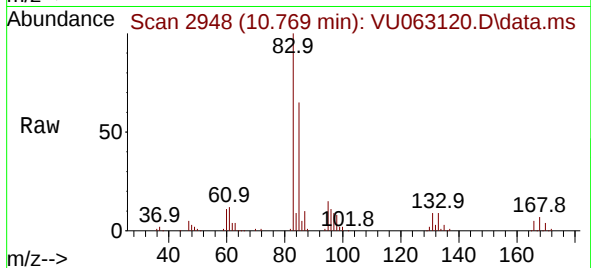
Tgt Ion: 83 Resp: 163589

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.8

131 8.7 7.4 11.0



#59

Bromoform

Concen: 21.214 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.000 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

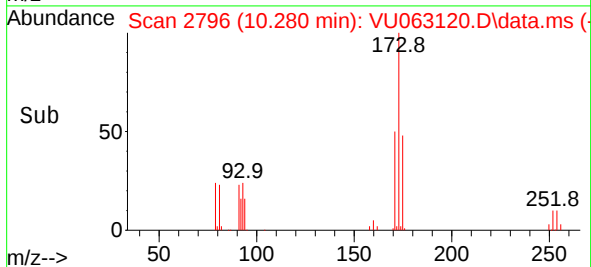
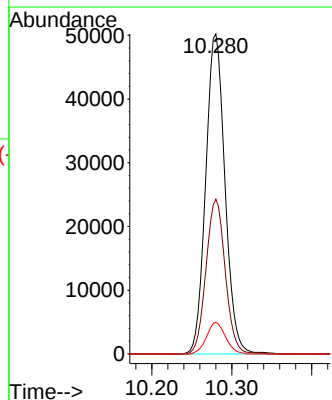
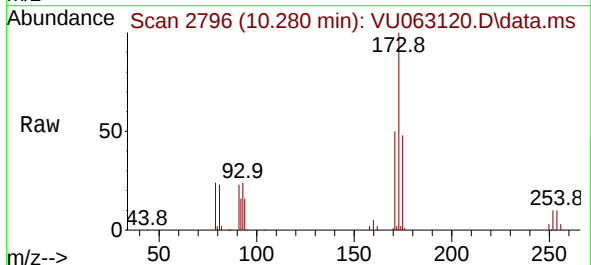
Tgt Ion:173 Resp: 84242

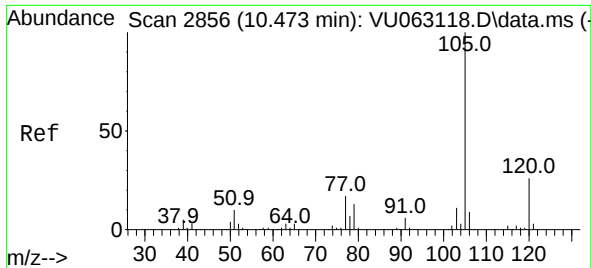
Ion Ratio Lower Upper

173 100

175 48.2 37.7 56.5

254 9.7 7.9 11.9

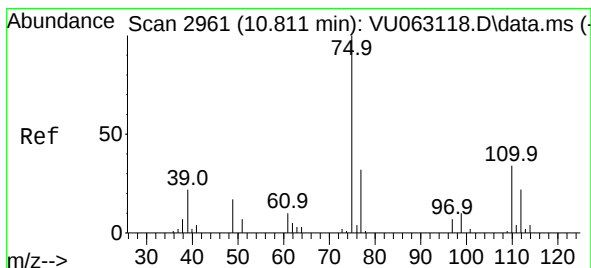
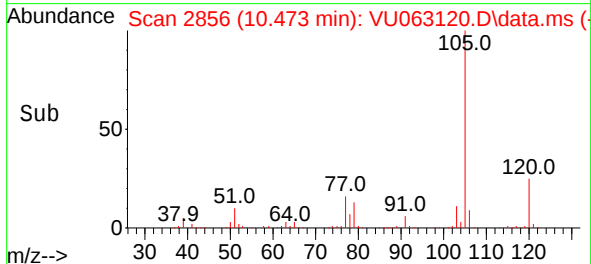
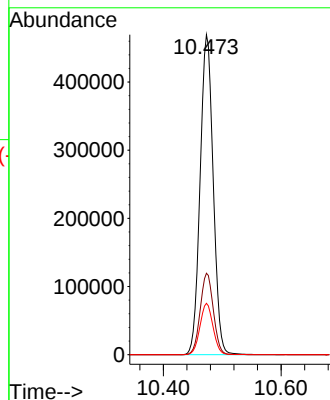
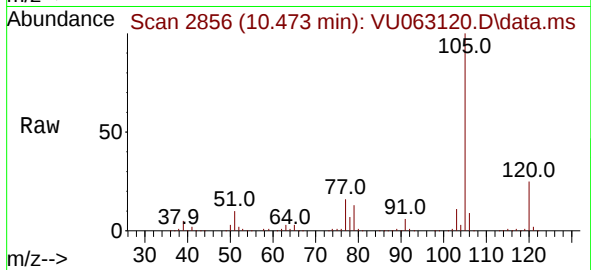




#60
Isopropylbenzene
Concen: 21.760 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. -0.000 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

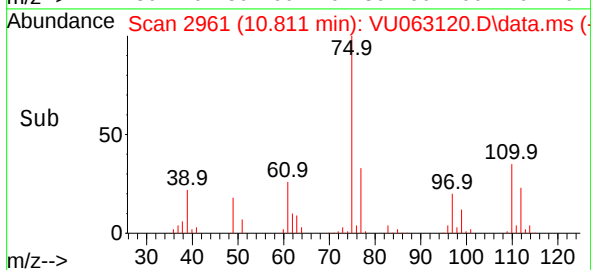
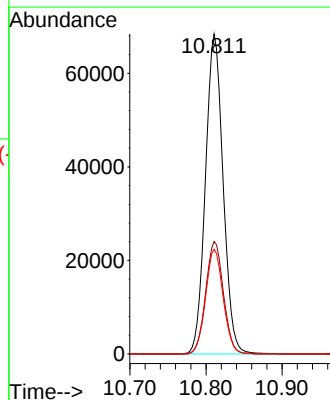
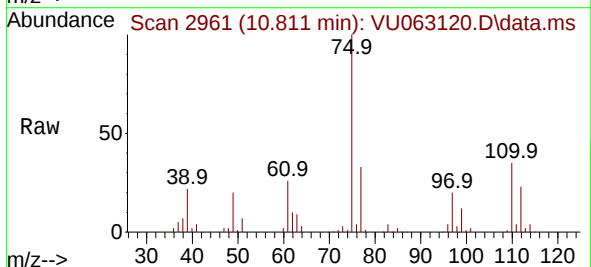
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

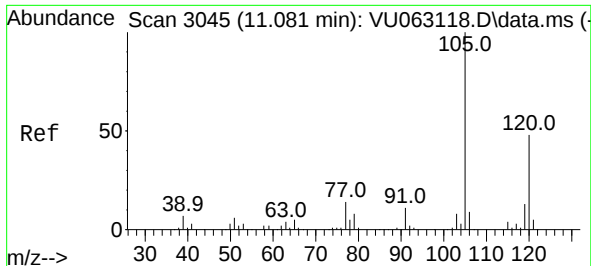
Tgt Ion:105 Resp: 724263
Ion Ratio Lower Upper
105 100
120 25.5 20.8 31.2
77 16.0 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 21.445 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. -0.000 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion: 75 Resp: 110415
Ion Ratio Lower Upper
75 100
110 35.2 27.4 41.0
77 32.5 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 23.000 ug/L

RT: 11.078 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

Instrument :

MSVOA_U

ClientSampleId :

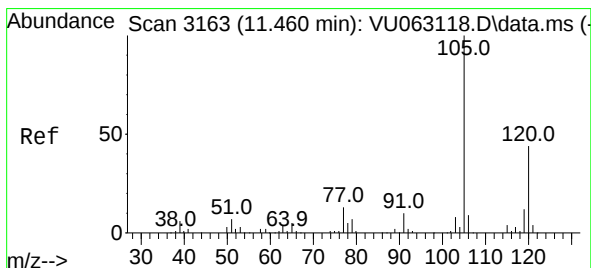
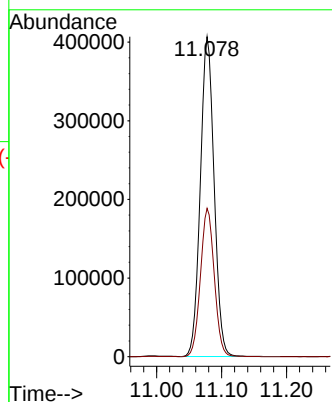
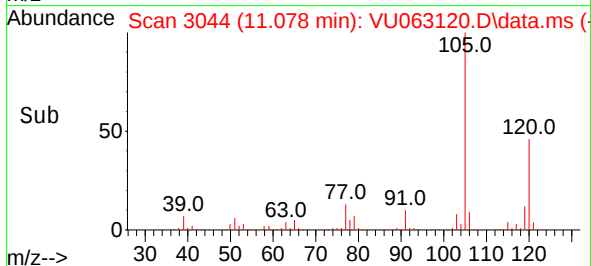
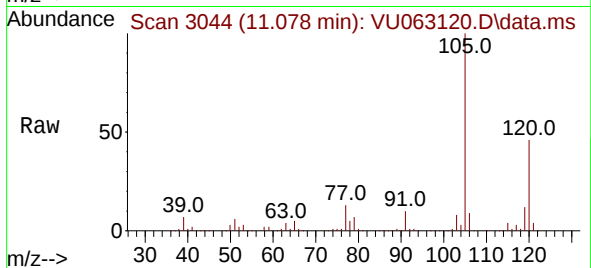
VSTD020004

Tgt Ion:105 Resp: 601822

Ion Ratio Lower Upper

105 100

120 46.5 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 23.999 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VU063120.D

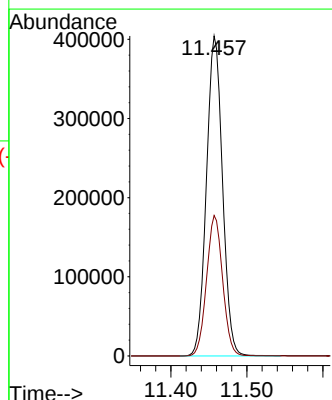
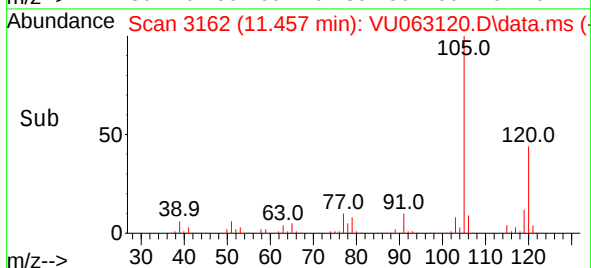
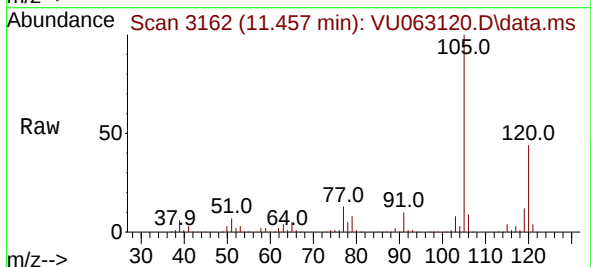
Acq: 04 Feb 2025 14:35

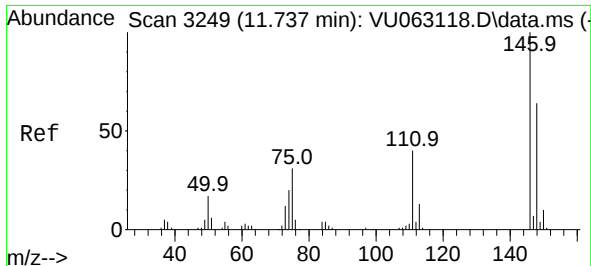
Tgt Ion:105 Resp: 593430

Ion Ratio Lower Upper

105 100

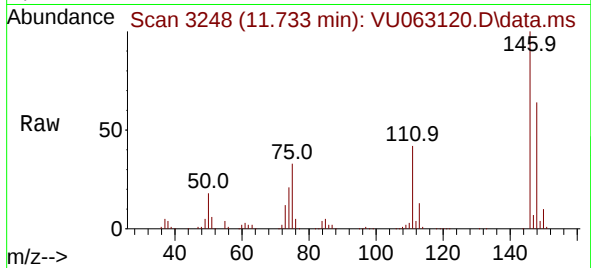
120 43.9 34.7 52.1



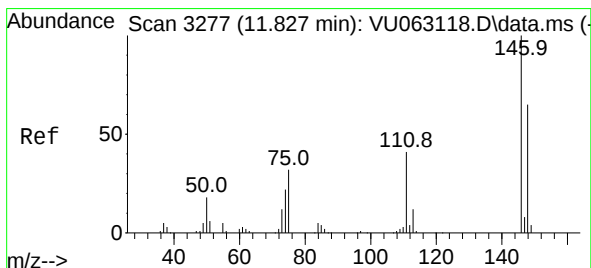
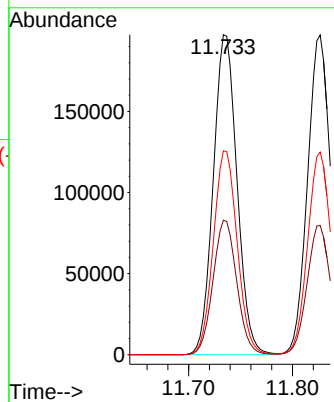
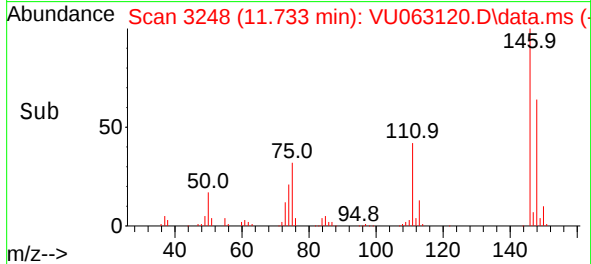


#64
1,3-Dichlorobenzene
Concen: 20.840 ug/L
RT: 11.733 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

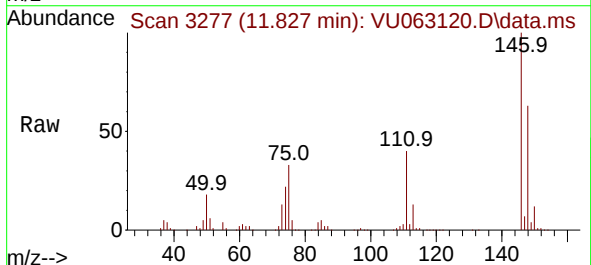
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004



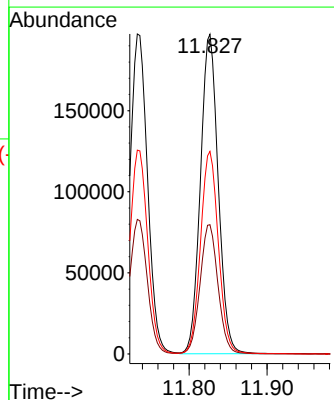
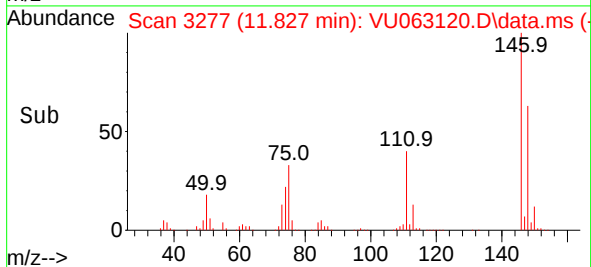
Tgt Ion:146 Resp: 313255
Ion Ratio Lower Upper
146 100
111 42.1 27.9 51.7
148 63.7 44.6 82.8

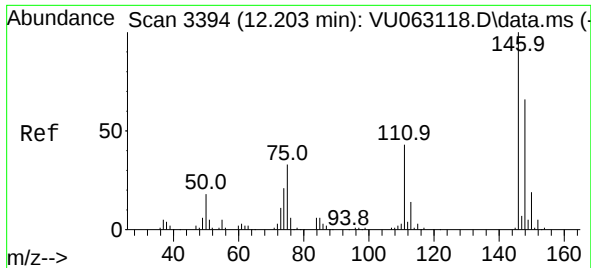


#65
1,4-Dichlorobenzene
Concen: 20.487 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35



Tgt Ion:146 Resp: 311915
Ion Ratio Lower Upper
146 100
111 40.5 28.5 52.9
148 63.4 45.4 84.2

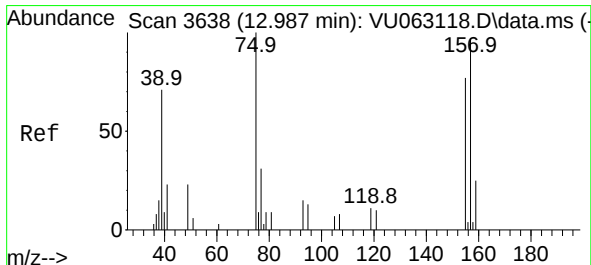
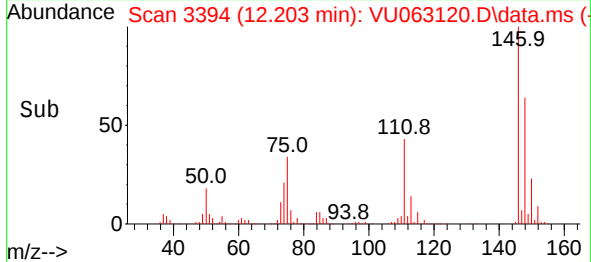
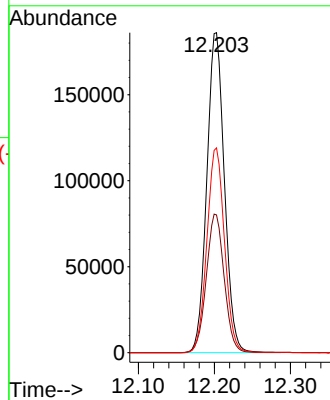
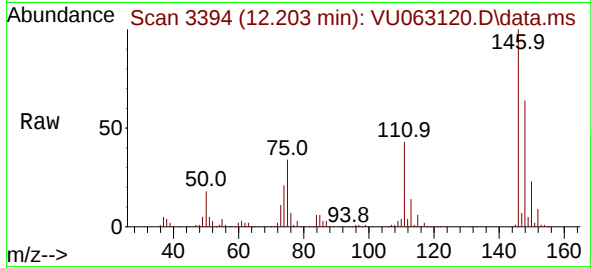




#67
1,2-Dichlorobenzene
Concen: 20.817 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. -0.000 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

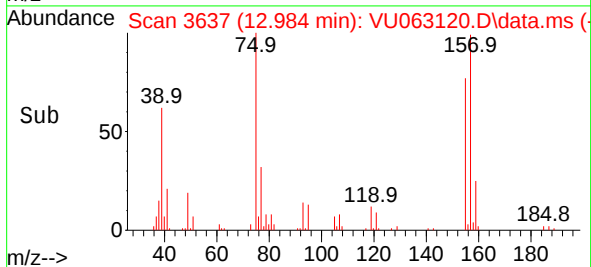
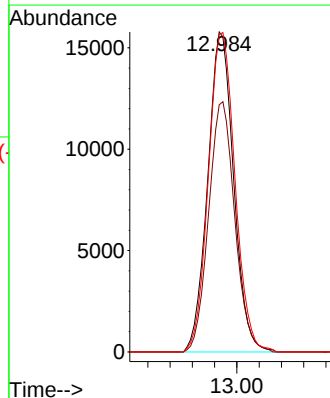
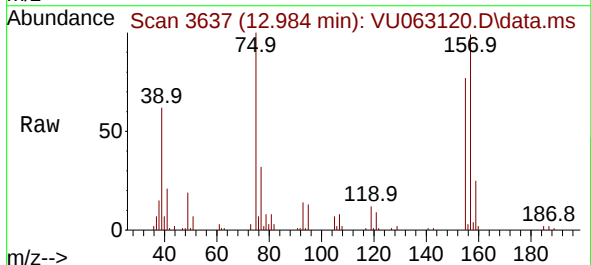
Instrument :
MSVOA_U
ClientSampleId :
VSTD020004

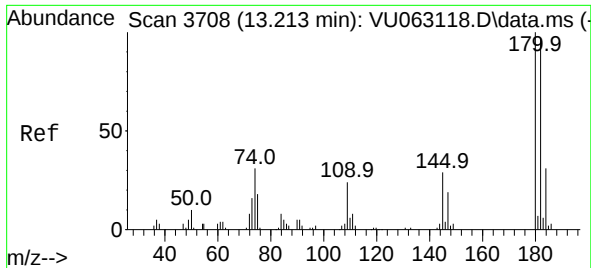
Tgt Ion:146 Resp: 298681
Ion Ratio Lower Upper
146 100
111 43.1 34.1 51.1
148 64.0 52.5 78.7



#68
1,2-Dibromo-3-chloropropane
Concen: 30.152 ug/L
RT: 12.984 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VU063120.D
Acq: 04 Feb 2025 14:35

Tgt Ion: 75 Resp: 25536
Ion Ratio Lower Upper
75 100
155 77.2 61.6 92.4
157 99.3 77.4 116.0





#69

1,3,5-Trichlorobenzene

Concen: 22.598 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD020004

Tgt Ion:180 Resp: 225483

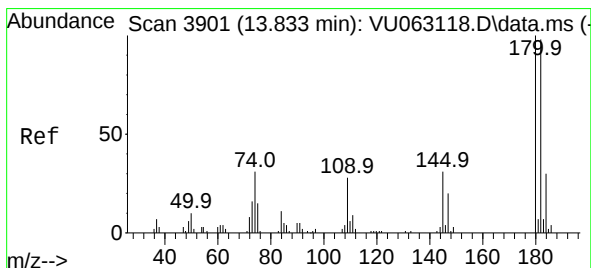
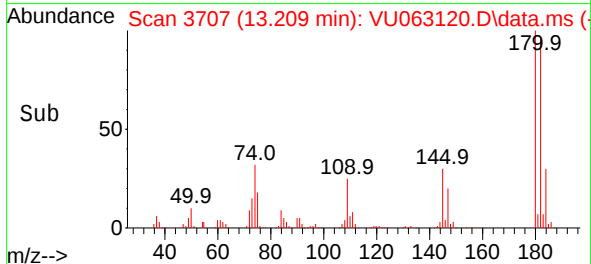
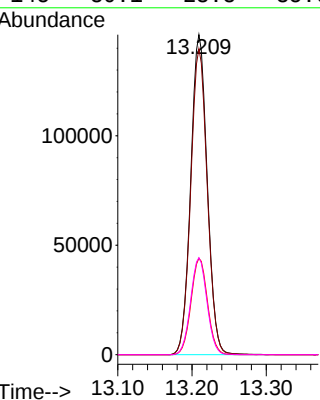
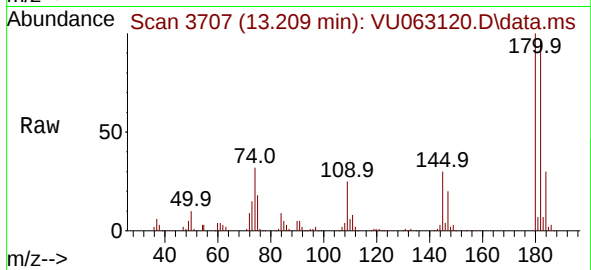
Ion Ratio Lower Upper

180 100

182 95.8 76.7 115.1

184 30.1 23.8 35.8

145 30.1 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 27.393 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

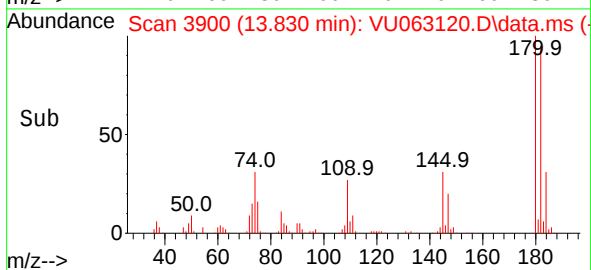
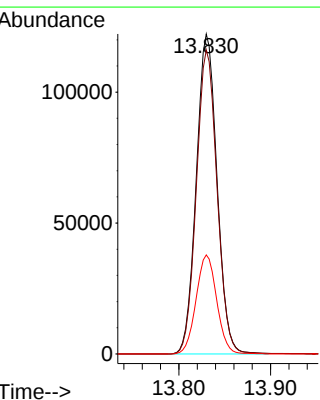
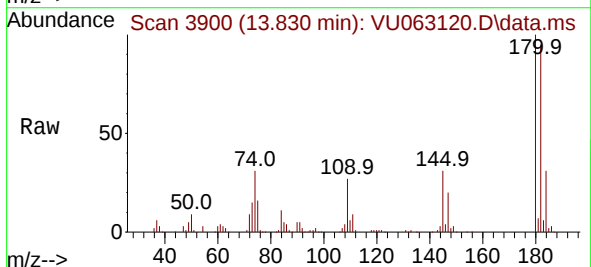
Tgt Ion:180 Resp: 191892

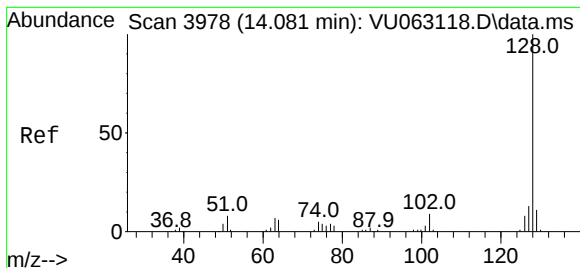
Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

145 30.8 24.3 36.5





#71

Naphthalene

Concen: 33.326 ug/L

RT: 14.077 min Scan# 3977

Delta R.T. -0.003 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD020004

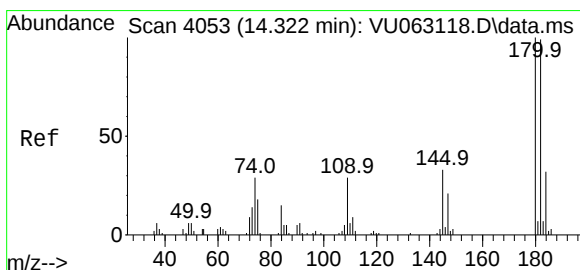
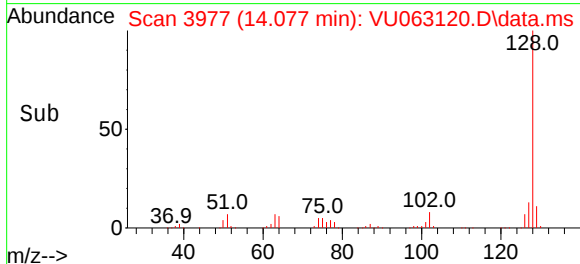
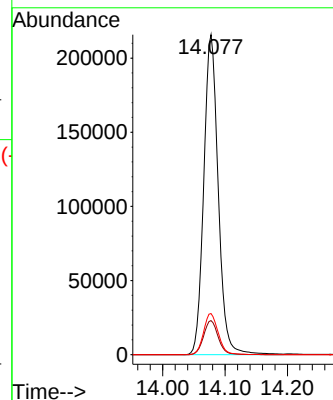
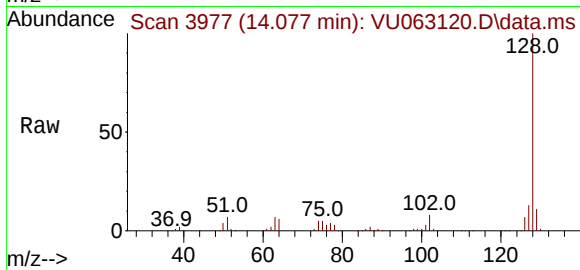
Tgt Ion:128 Resp: 348352

Ion Ratio Lower Upper

128 100

129 10.7 8.0 12.0

127 13.0 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 27.716 ug/L

RT: 14.319 min Scan# 4052

Delta R.T. -0.003 min

Lab File: VU063120.D

Acq: 04 Feb 2025 14:35

Tgt Ion:180 Resp: 173798

Ion Ratio Lower Upper

180 100

182 94.4 78.5 117.7

145 32.6 26.1 39.1

