

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
 Data File : VU063119.D
 Acq On : 04 Feb 2025 14:10
 Operator : MD/SY
 Sample : VSTD010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010003

Quant Time: Feb 05 07:29:58 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	6.238	114	95479	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	90461	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	45350	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	54465	8.600	ug/L	0.00
7) Chloroethane-d5	1.894	69	51091	9.572	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.550	65	24999	9.019	ug/L	0.00
20) 2-Butanone-d5	4.602	46	194138	125.793	ug/L	0.00
24) Chloroform-d	5.045	84	124000	9.558	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	63596	10.409	ug/L	0.00
32) Benzene-d6	5.711	84	240543	9.438	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	79095	9.385	ug/L	0.00
41) Toluene-d8	7.888	98	217774	9.522	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	31272	9.952	ug/L	0.00
46) 2-Hexanone-d5	8.621	63	166712	120.429	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	70975	10.195	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	75775	9.510	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	79094	12.376	ug/L	99
3) Chloromethane	1.518	50	89301	11.611	ug/L	98
5) Vinyl chloride	1.599	62	90729	11.318	ug/L	99
6) Bromomethane	1.837	94	48010	11.124	ug/L	94
8) Chloroethane	1.917	64	53973	11.330	ug/L	98
9) Trichlorofluoromethane	2.126	101	100586	9.692	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	59480	9.016	ug/L	99
12) 1,1-Dichloroethene	2.563	96	62461	10.233	ug/L	96
13) Acetone	2.611	43	111320	119.661	ug/L	99
14) Carbon disulfide	2.779	76	213314	11.548	ug/L	99
15) Methyl Acetate	2.936	43	31726	12.912	ug/L	98
16) Methylene chloride	3.030	84	71942	10.175	ug/L	99
17) Methyl tert-butyl Ether	3.348	73	174481	10.765	ug/L	99
18) trans-1,2-Dichloroethene	3.338	96	66800	10.754	ug/L	100
19) 1,1-Dichloroethane	3.849	63	132004	10.532	ug/L	98
21) 2-Butanone	4.682	43	202189	132.284	ug/L	98
22) cis-1,2-Dichloroethene	4.650	96	76466	10.237	ug/L	100
23) Bromochloromethane	4.959	128	33965	10.756	ug/L	97
25) Chloroform	5.071	83	131049	10.140	ug/L	99
27) 1,2-Dichloroethane	5.779	62	89832	11.598	ug/L	99
29) 1,1,1-Trichloroethane	5.300	97	108025	10.215	ug/L	99
30) Cyclohexane	5.373	56	115067	11.487	ug/L	99
31) Carbon tetrachloride	5.508	117	90359	10.006	ug/L	99
33) Benzene	5.759	78	299529	10.485	ug/L	100
34) Trichloroethene	6.528	95	73524	9.792	ug/L	100
35) Methylcyclohexane	6.750	83	108827	10.129	ug/L	99
37) 1,2-Dichloropropane	6.775	63	81791	10.744	ug/L	99
38) Bromodichloromethane	7.090	83	95706	10.211	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	117547	10.624	ug/L	99
40) 4-Methyl-2-pentanone	7.775	43	498790	125.735	ug/L	100
42) Toluene	7.959	91	319892	10.617	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	100355	10.970	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
 Data File : VU063119.D
 Acq On : 04 Feb 2025 14:10
 Operator : MD/SY
 Sample : VSTD010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010003

Quant Time: Feb 05 07:29:58 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)

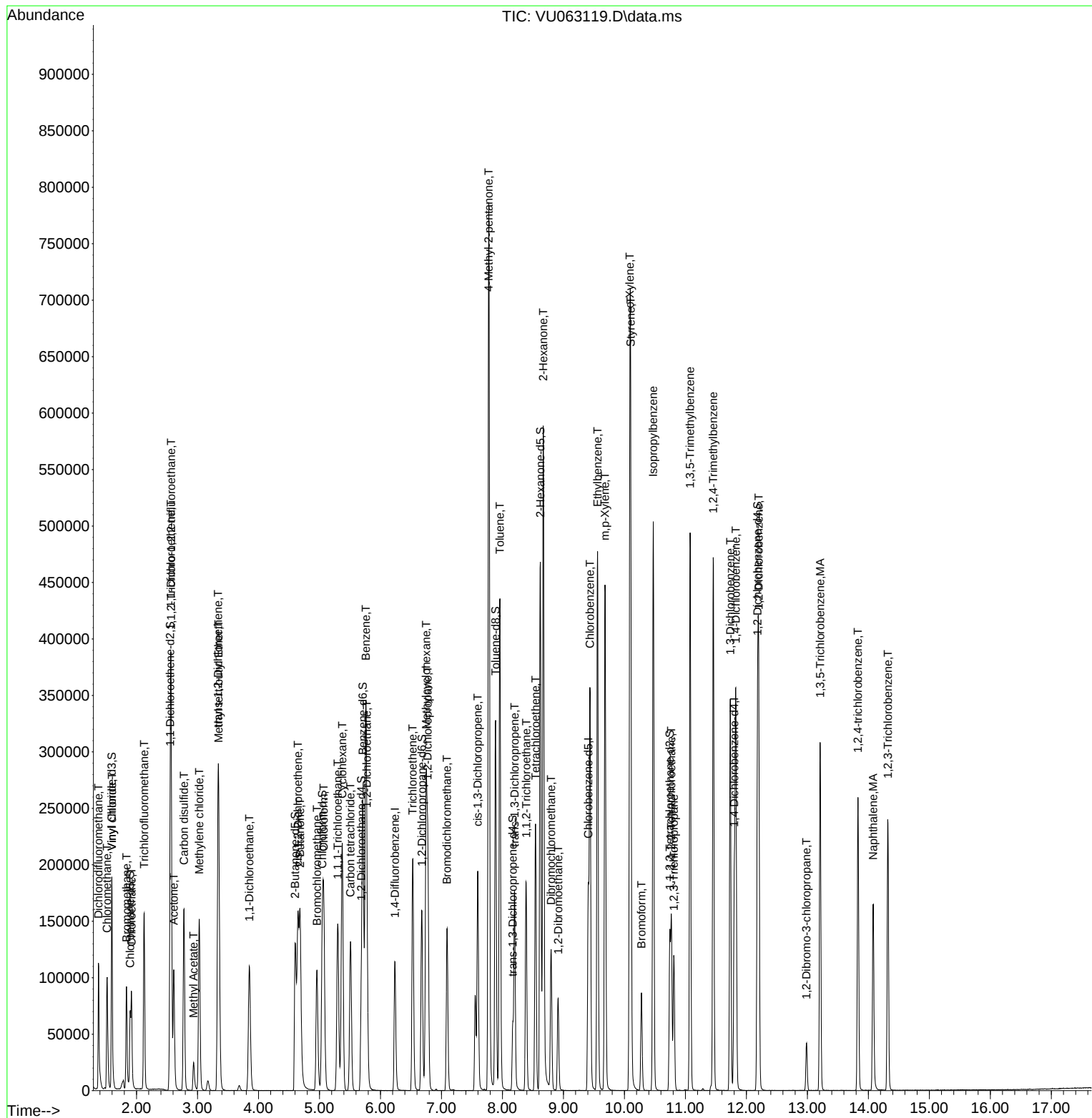
45) 1,1,2-Trichloroethane	8.389	97	58149	10.198	ug/L	98
47) Tetrachloroethene	8.544	164	51120	9.905	ug/L	99
48) 2-Hexanone	8.669	43	360218	130.024	ug/L	97
49) Dibromochloromethane	8.798	129	63255	10.274	ug/L	99
50) 1,2-Dibromoethane	8.914	107	56175	10.756	ug/L	98
51) Chlorobenzene	9.438	112	186598	10.196	ug/L	98
52) Ethylbenzene	9.560	91	336172	10.547	ug/L	100
53) m,p-Xylene	9.682	106	123927	10.544	ug/L	99
54) o-Xylene	10.090	106	123689	10.780	ug/L	100
55) Styrene	10.103	104	209134	10.866	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.769	83	76596	10.608	ug/L	100
59) Bromoform	10.280	173	38998	10.159	ug/L	99
60) Isopropylbenzene	10.473	105	323877	10.066	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	51595	10.366	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	261557	10.340	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	258306	10.806	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	140052	9.638	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	138293	9.396	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	136421	9.835	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	11944	14.589	ug/L	96
69) 1,3,5-Trichlorobenzene	13.209	180	94369	9.783	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	78729	11.626	ug/L	99
71) Naphthalene	14.081	128	140196	13.874	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	73500	12.125	ug/L	98

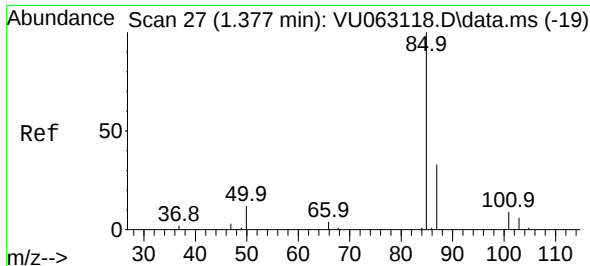
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
Data File : VU063119.D
Acq On : 04 Feb 2025 14:10
Operator : MD/SY
Sample : VSTD010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

Quant Time: Feb 05 07:29:58 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

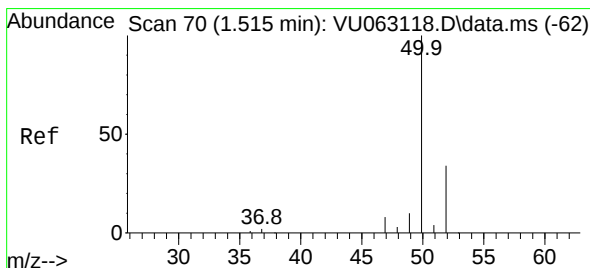
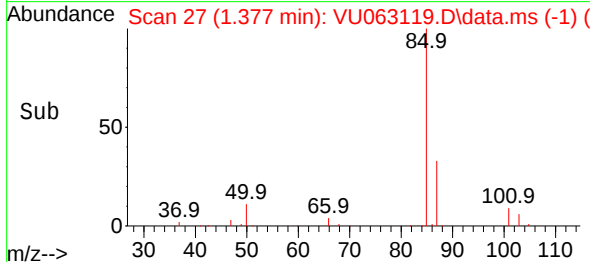
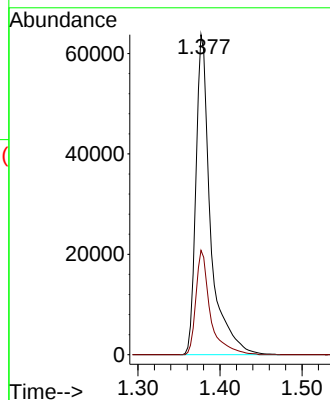
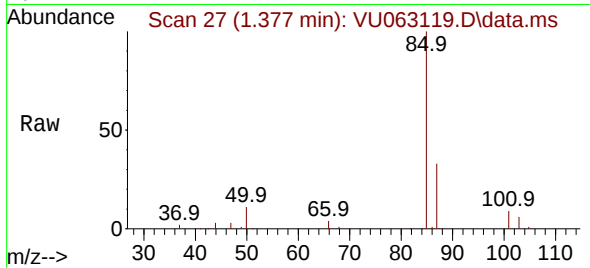




#2
 Dichlorodifluoromethane
 Concen: 12.376 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063119.D
 Acq: 04 Feb 2025 14:10

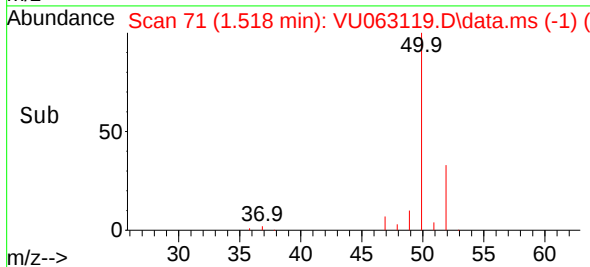
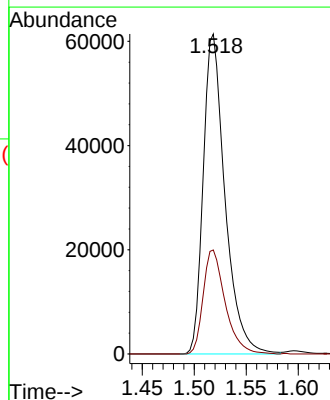
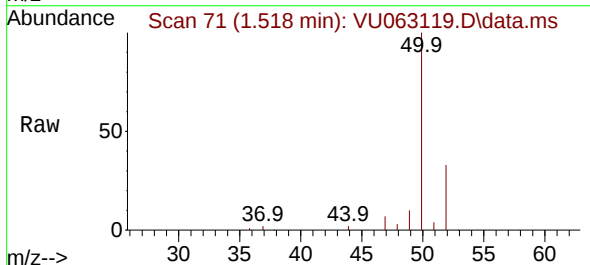
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010003

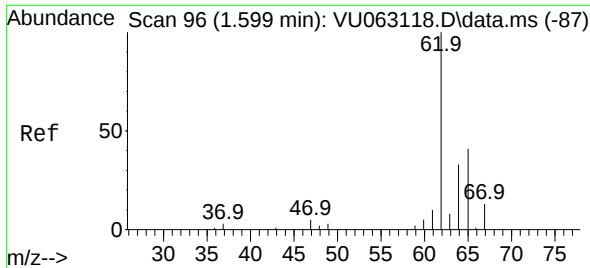
Tgt Ion: 85 Resp: 79094
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.9 38.9



#3
 Chloromethane
 Concen: 11.611 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU063119.D
 Acq: 04 Feb 2025 14:10

Tgt Ion: 50 Resp: 89301
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.4 43.6

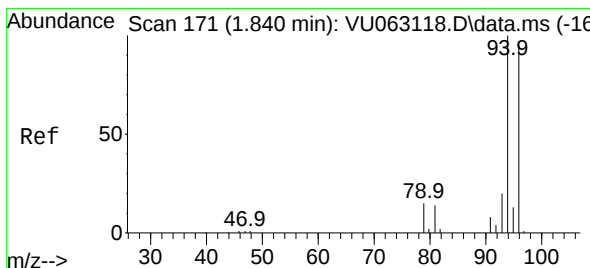
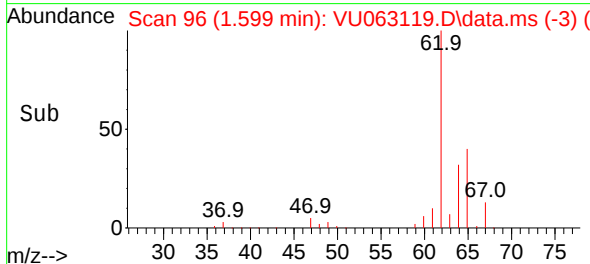
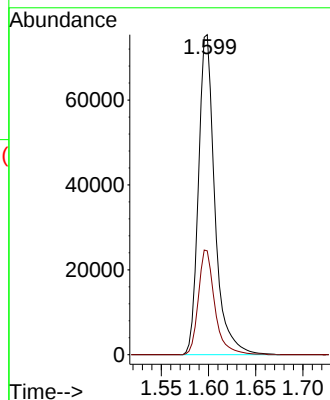
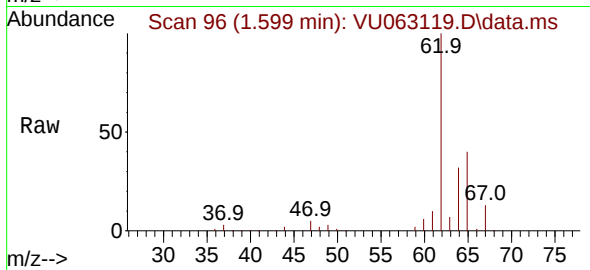




#5
 Vinyl chloride
 Concen: 11.318 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VU063119.D
 Acq: 04 Feb 2025 14:10

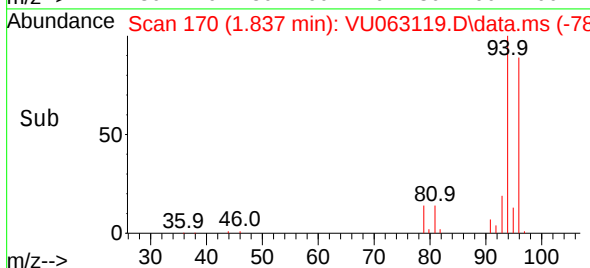
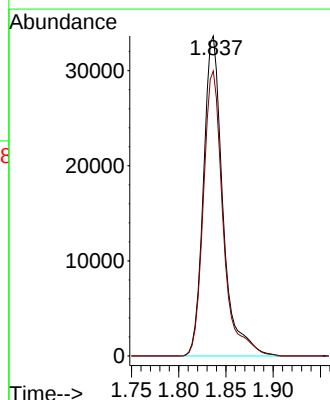
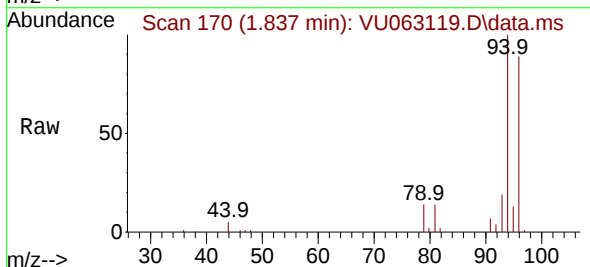
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010003

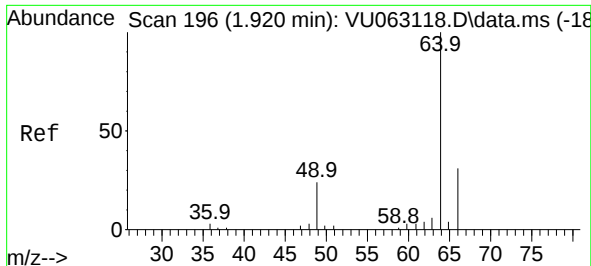
Tgt Ion: 62 Resp: 90729
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.2 43.0



#6
 Bromomethane
 Concen: 11.124 ug/L
 RT: 1.837 min Scan# 170
 Delta R.T. -0.003 min
 Lab File: VU063119.D
 Acq: 04 Feb 2025 14:10

Tgt Ion: 94 Resp: 48010
 Ion Ratio Lower Upper
 94 100
 96 89.1 66.3 123.1

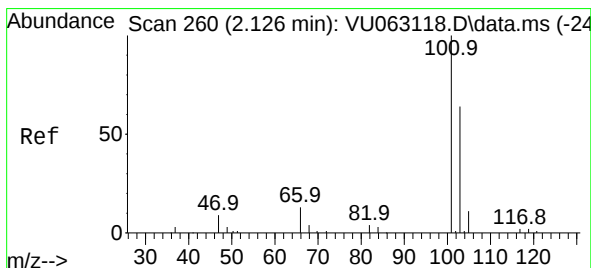
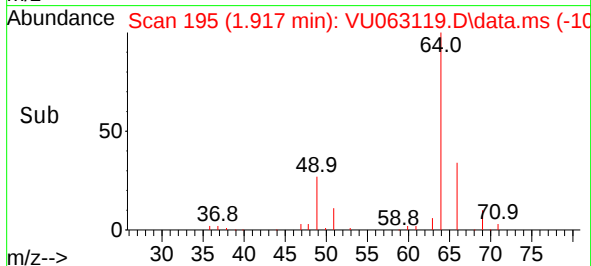
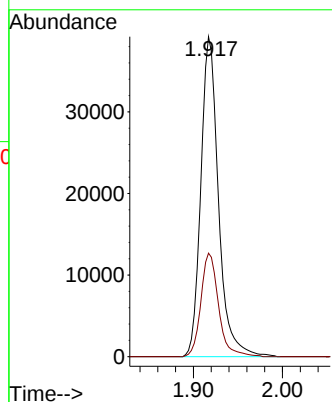
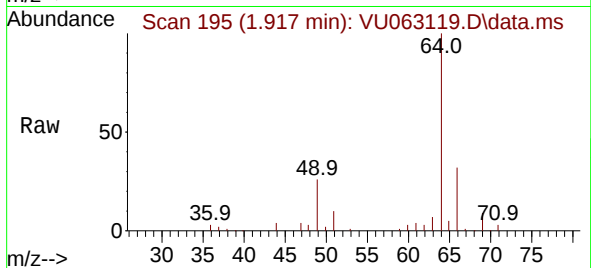




#8
Chloroethane
Concen: 11.330 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

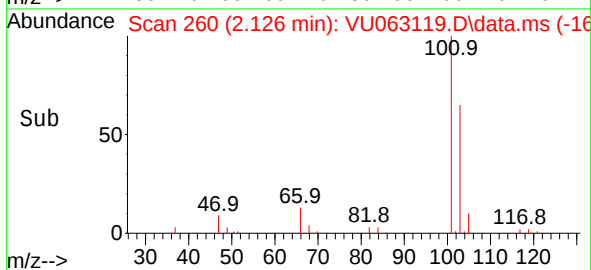
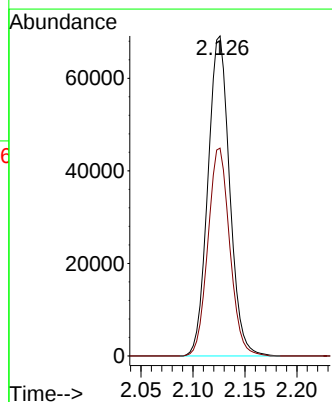
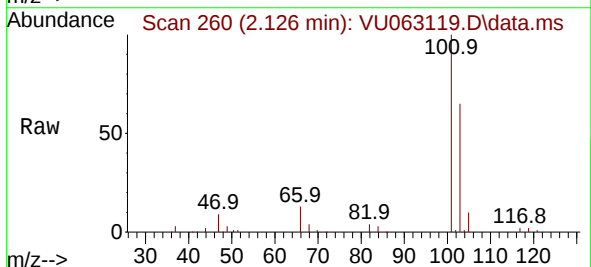
Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

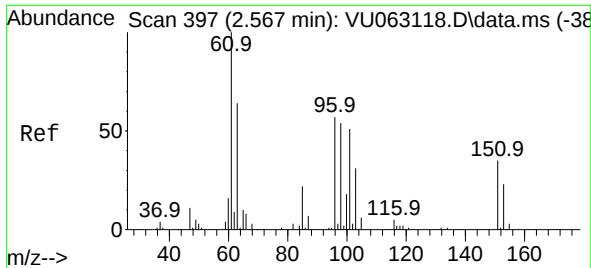
Tgt Ion: 64 Resp: 53973
Ion Ratio Lower Upper
64 100
66 32.3 21.7 40.3



#9
Trichlorofluoromethane
Concen: 9.692 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion:101 Resp: 100586
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.8

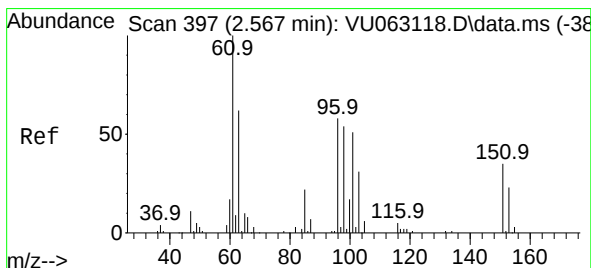
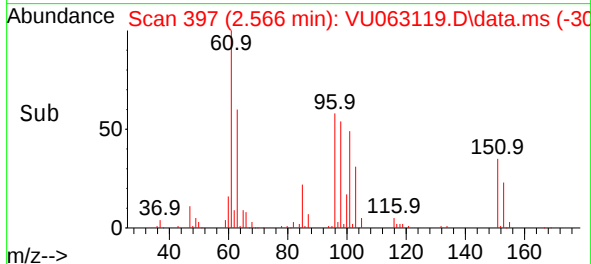
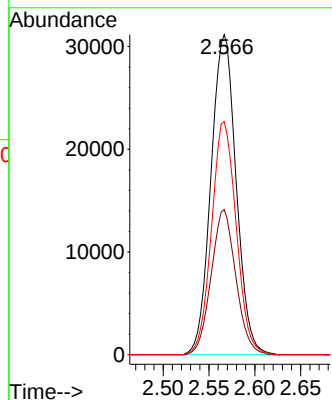
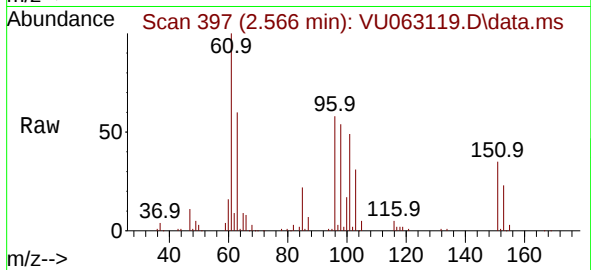




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.016 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU063119.D
 Acq: 04 Feb 2025 14:10

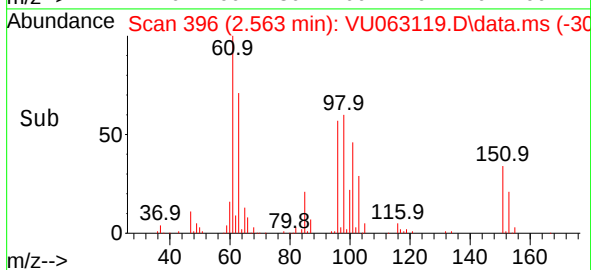
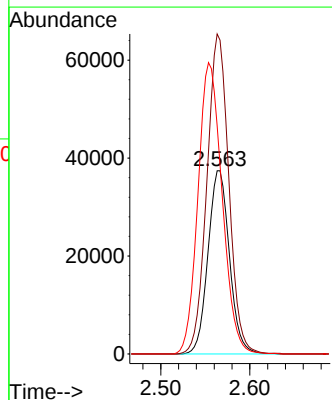
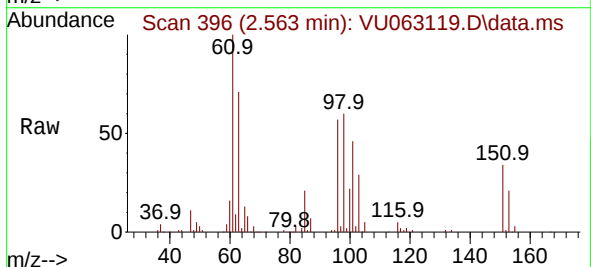
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010003

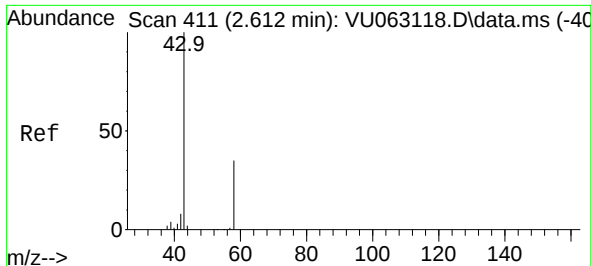
Tgt Ion:101	Resp:	59480
Ion Ratio	Lower	Upper
101	100	
85	44.4	35.0 52.4
151	71.4	56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 10.233 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063119.D
 Acq: 04 Feb 2025 14:10

Tgt Ion: 96	Resp:	62461
Ion Ratio	Lower	Upper
96	100	
61	174.6	121.9 226.3
63	124.5	80.3 149.1





#13

Acetone

Concen: 119.661 ug/L

RT: 2.611 min Scan# 411

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

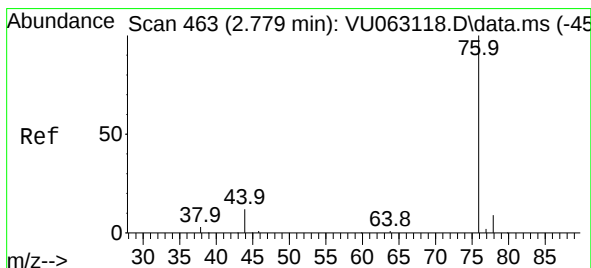
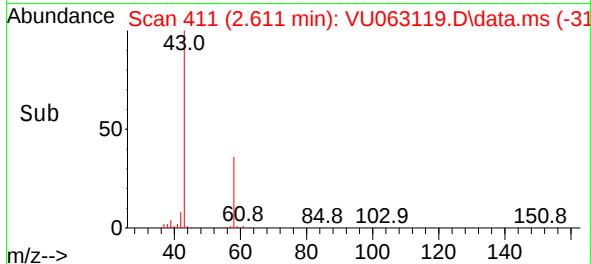
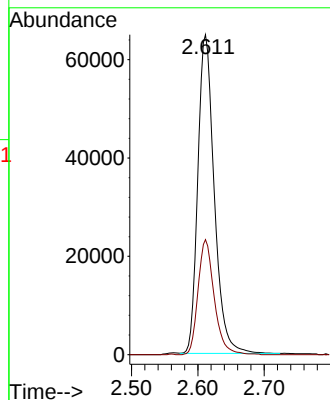
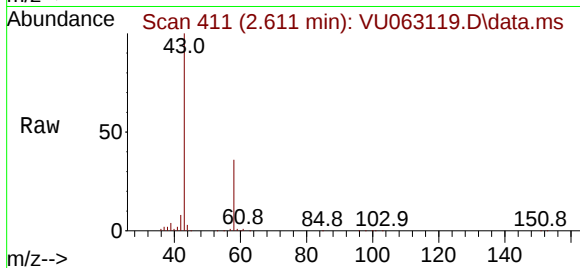
VSTD010003

Tgt Ion: 43 Resp: 111320

Ion Ratio Lower Upper

43 100

58 35.7 0.0 70.2



#14

Carbon disulfide

Concen: 11.548 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU063119.D

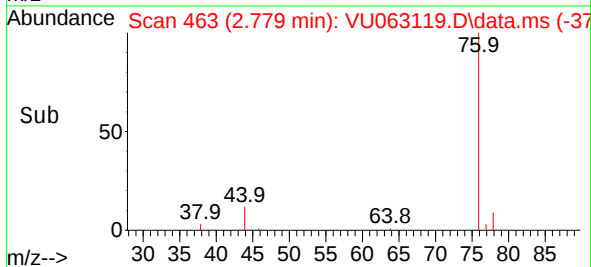
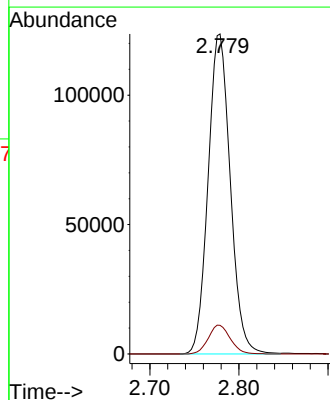
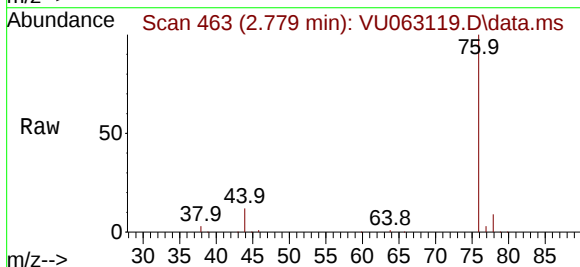
Acq: 04 Feb 2025 14:10

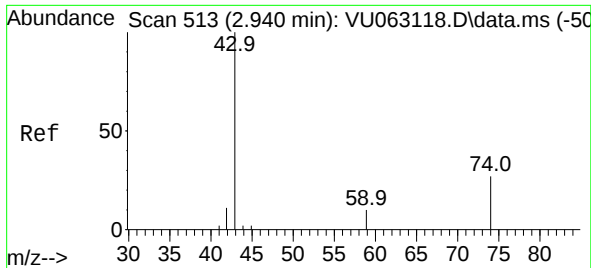
Tgt Ion: 76 Resp: 213314

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 12.912 ug/L

RT: 2.936 min Scan# 513

Delta R.T. -0.003 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

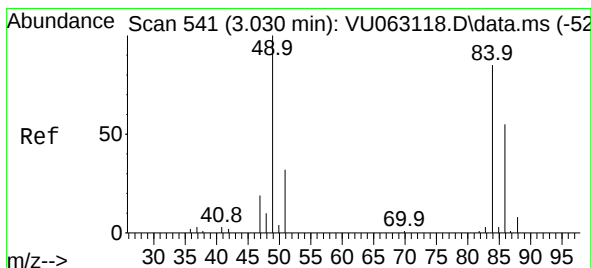
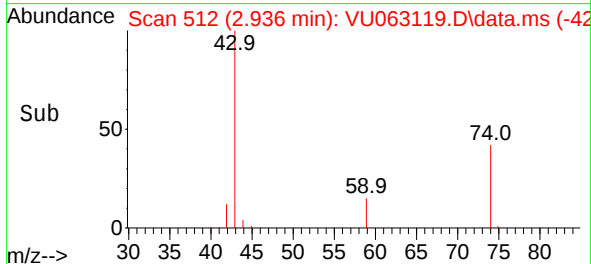
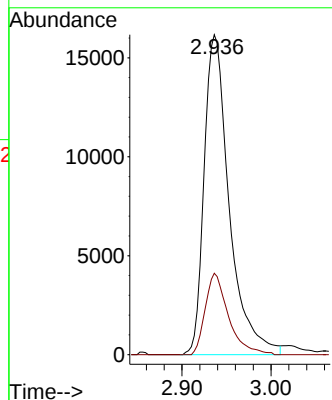
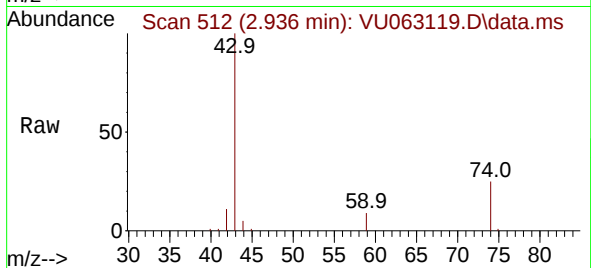
VSTD010003

Tgt Ion: 43 Resp: 31726

Ion Ratio Lower Upper

43 100

74 23.5 19.5 29.3



#16

Methylene chloride

Concen: 10.175 ug/L

RT: 3.030 min Scan# 541

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

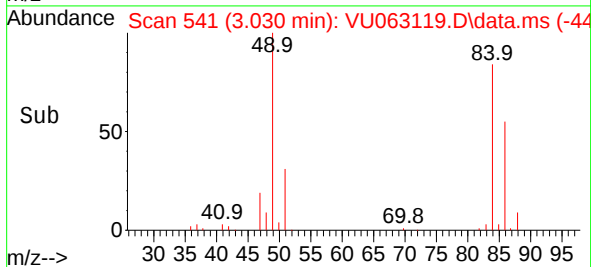
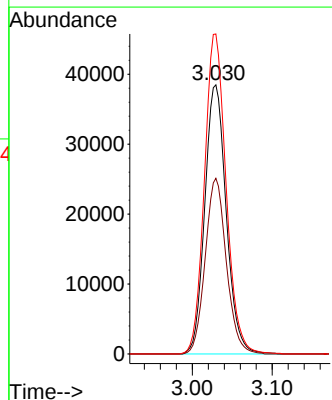
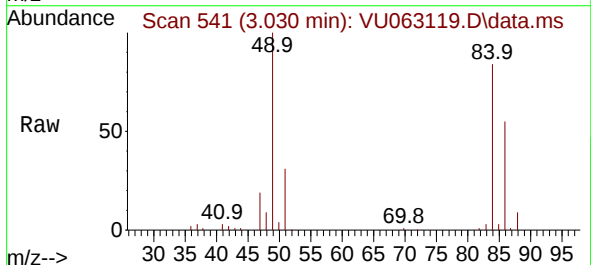
Tgt Ion: 84 Resp: 71942

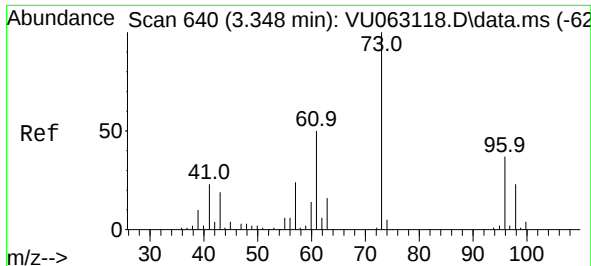
Ion Ratio Lower Upper

84 100

86 65.3 45.0 83.6

49 118.9 82.4 153.0

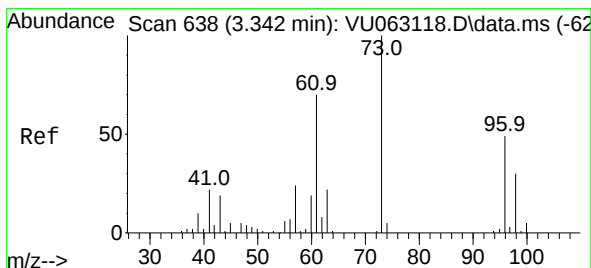
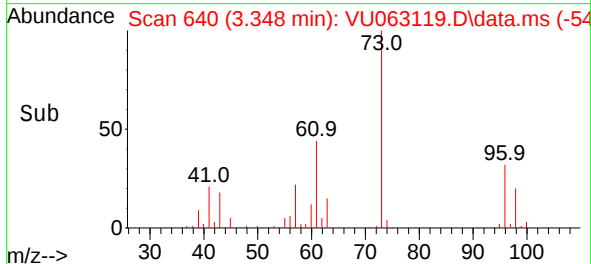
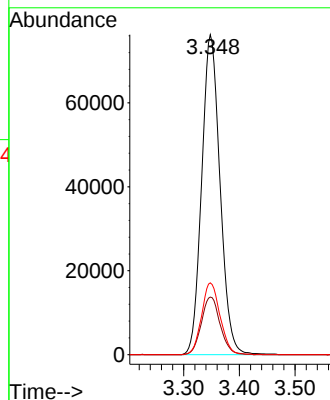
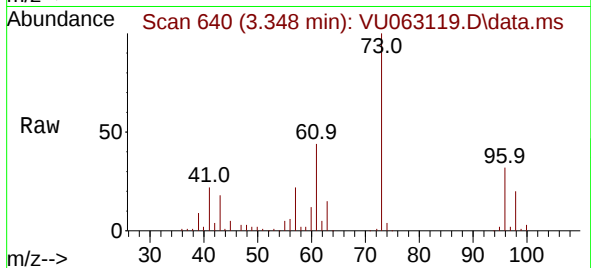




#17
Methyl tert-butyl Ether
Concen: 10.765 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

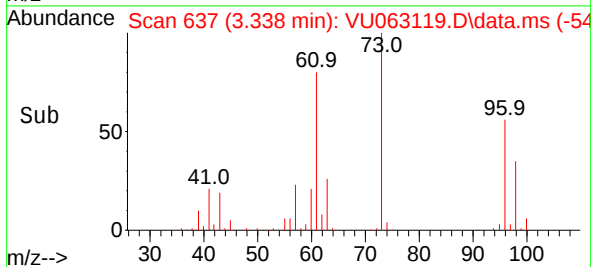
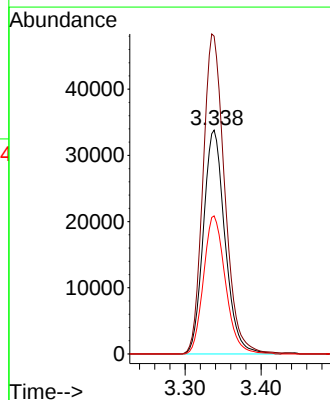
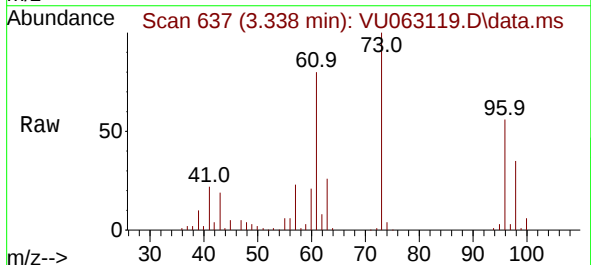
Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

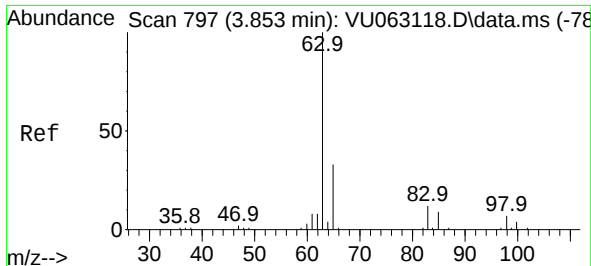
Tgt Ion: 73 Resp: 174481
Ion Ratio Lower Upper
73 100
43 18.5 15.1 22.7
57 22.6 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 10.754 ug/L
RT: 3.338 min Scan# 637
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion: 96 Resp: 66800
Ion Ratio Lower Upper
96 100
61 142.0 99.2 184.2
98 61.7 43.2 80.2

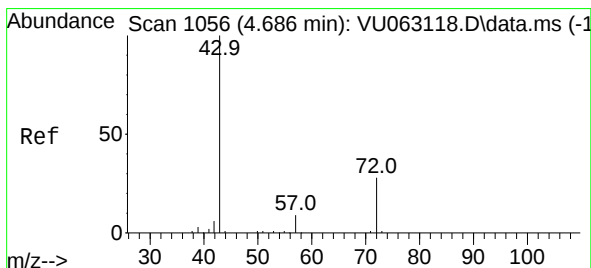
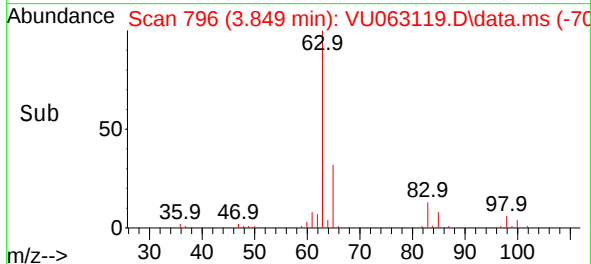
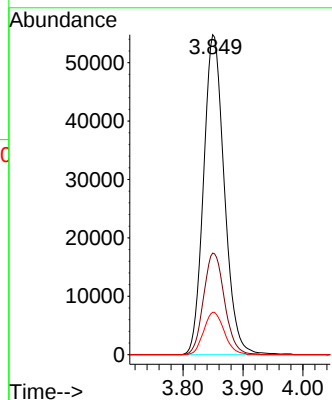
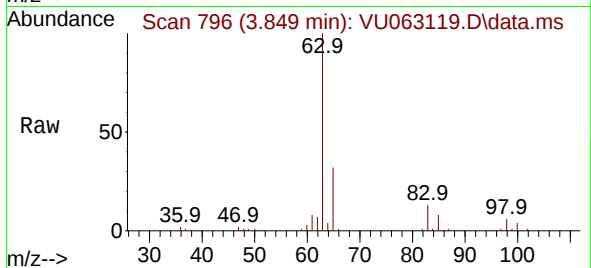




#19
1,1-Dichloroethane
Concen: 10.532 ug/L
RT: 3.849 min Scan# 796
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

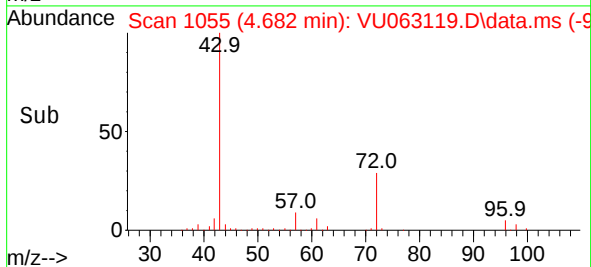
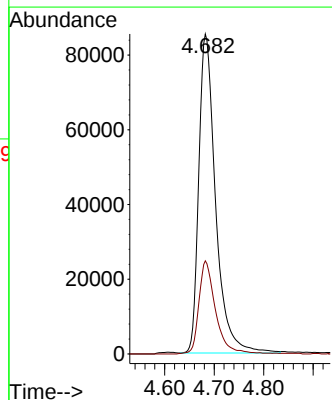
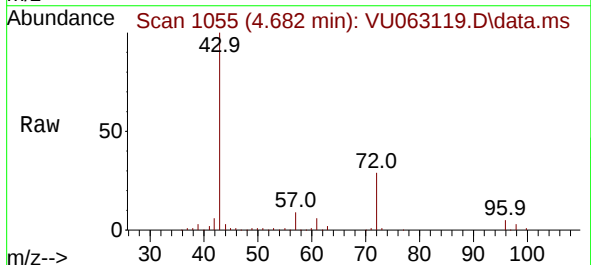
Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

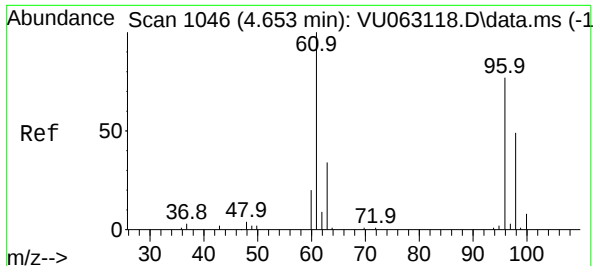
Tgt Ion: 63 Resp: 132004
Ion Ratio Lower Upper
63 100
65 31.8 23.2 43.0
83 13.3 8.7 16.1



#21
2-Butanone
Concen: 132.284 ug/L
RT: 4.682 min Scan# 1055
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion: 43 Resp: 202189
Ion Ratio Lower Upper
43 100
72 28.8 13.9 41.7



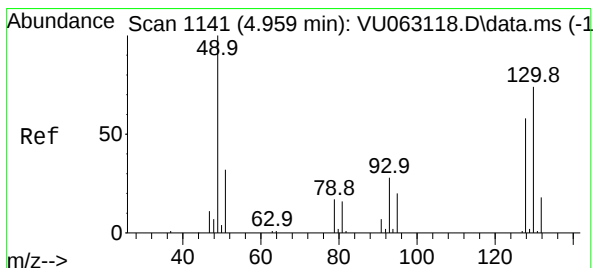
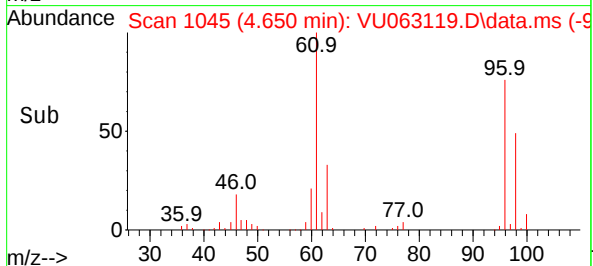
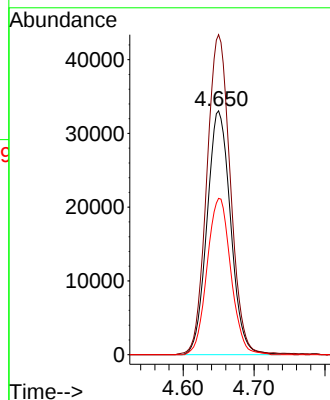
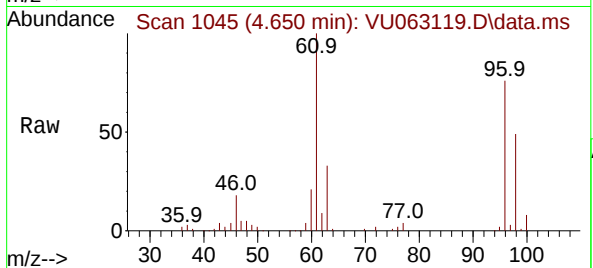


#22
cis-1,2-Dichloroethene
Concen: 10.237 ug/L
RT: 4.650 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

Tgt Ion: 96 Resp: 76466

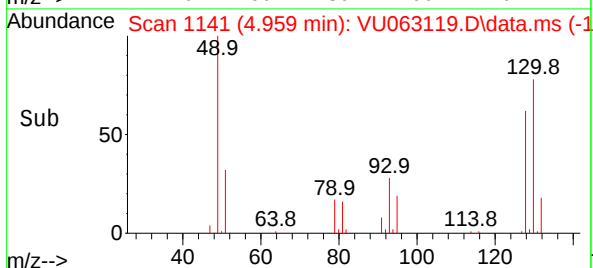
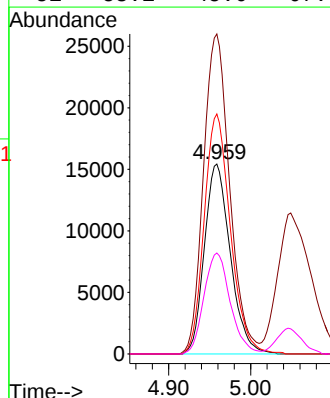
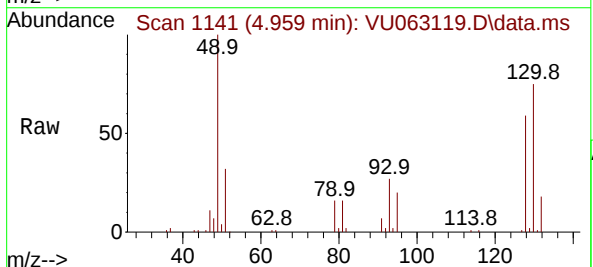
Ion	Ratio	Lower	Upper
96	100		
61	131.3	91.8	170.6
98	64.2	44.4	82.4

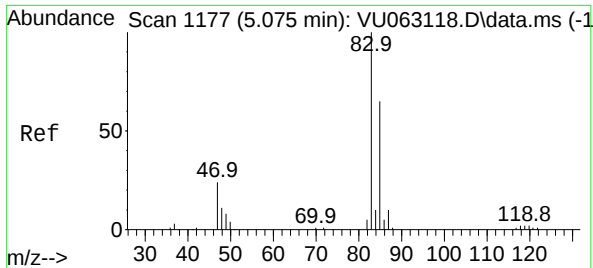


#23
Bromochloromethane
Concen: 10.756 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion: 128 Resp: 33965

Ion	Ratio	Lower	Upper
128	100		
49	168.4	121.2	225.2
130	126.3	89.2	165.6
51	53.1	45.0	67.4





#25

Chloroform

Concen: 10.140 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. -0.003 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

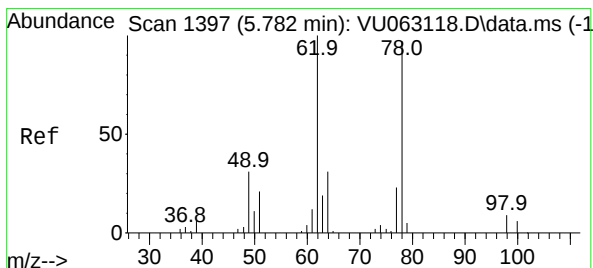
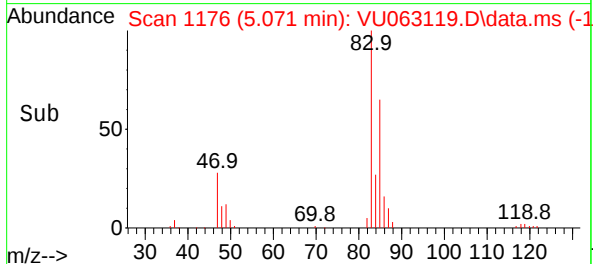
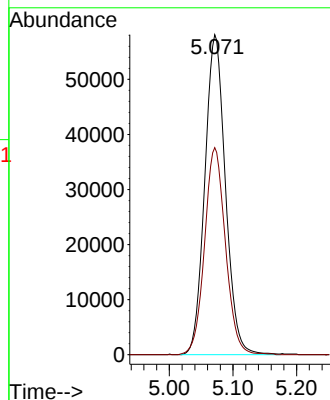
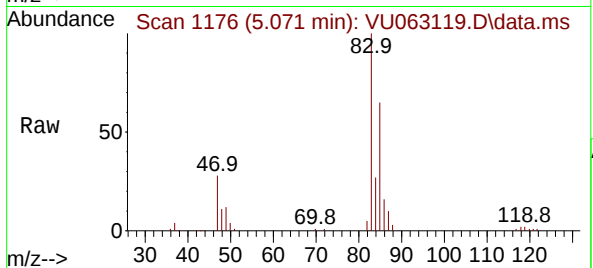
VSTD010003

Tgt Ion: 83 Resp: 131049

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.8



#27

1,2-Dichloroethane

Concen: 11.598 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU063119.D

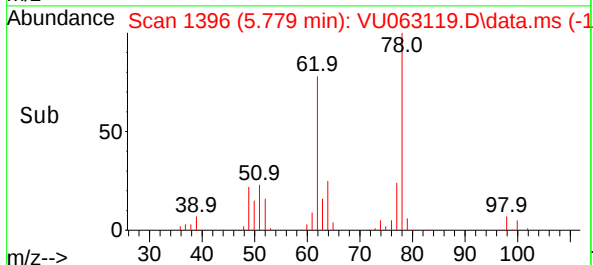
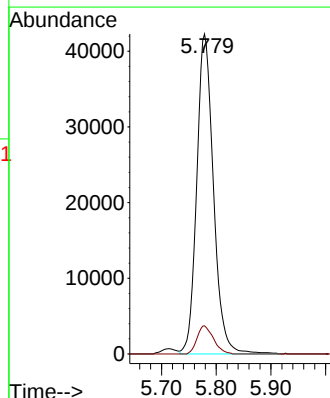
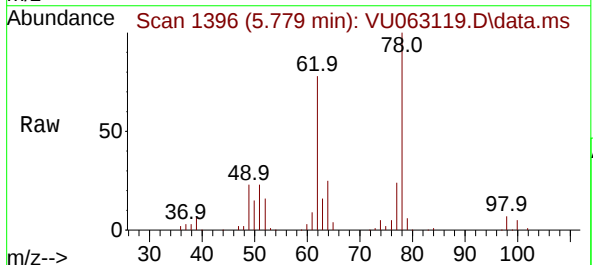
Acq: 04 Feb 2025 14:10

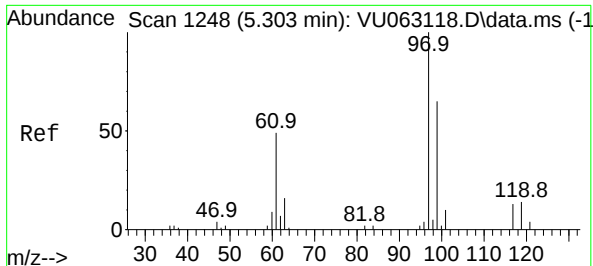
Tgt Ion: 62 Resp: 89832

Ion Ratio Lower Upper

62 100

98 8.8 7.2 10.8

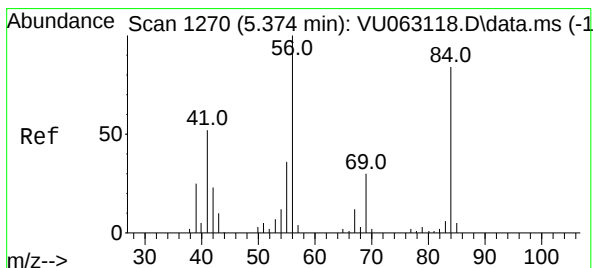
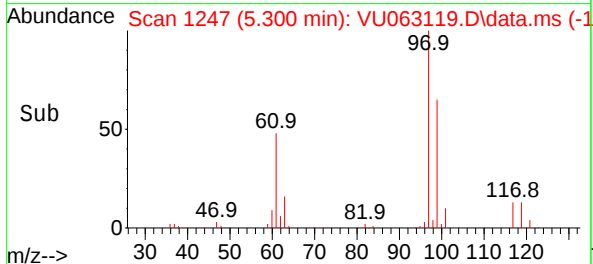
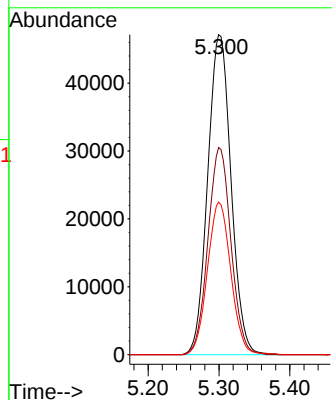
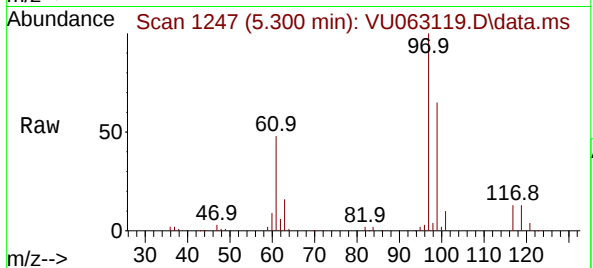




#29
1,1,1-Trichloroethane
Concen: 10.215 ug/L
RT: 5.300 min Scan# 1248
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

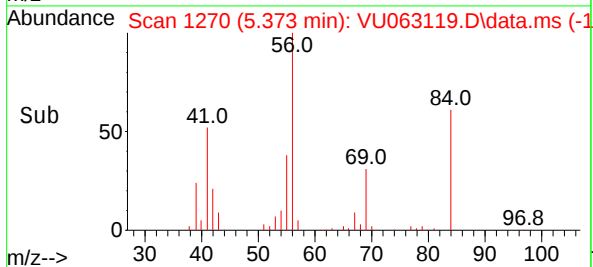
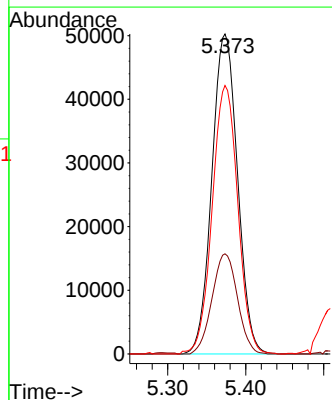
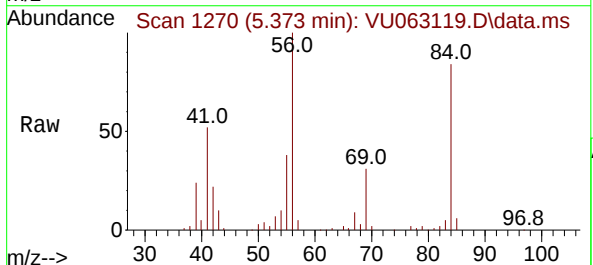
Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

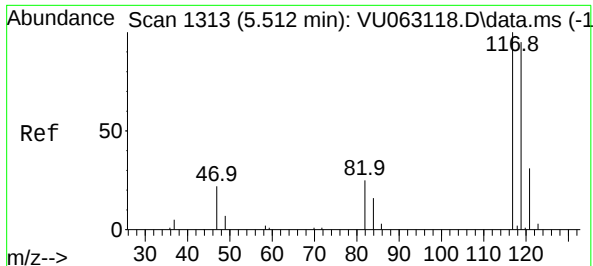
Tgt Ion: 97 Resp: 108025
Ion Ratio Lower Upper
97 100
99 63.8 51.5 77.3
61 47.8 38.5 57.7



#30
Cyclohexane
Concen: 11.487 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion: 56 Resp: 115067
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 83.7 67.9 101.9

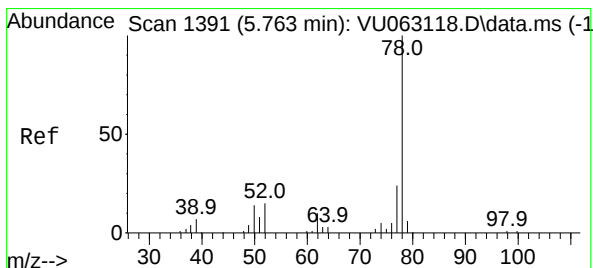
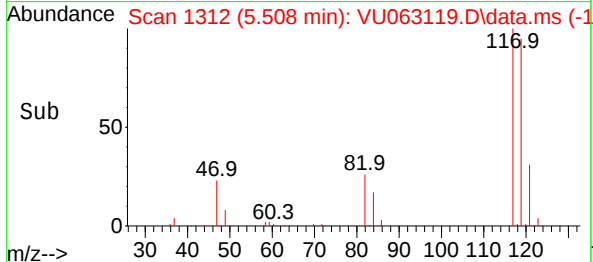
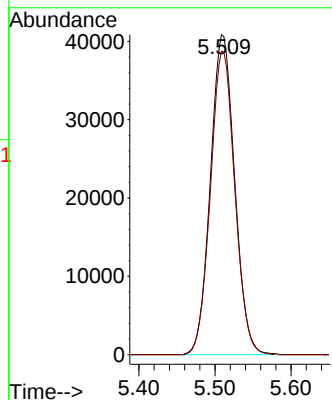
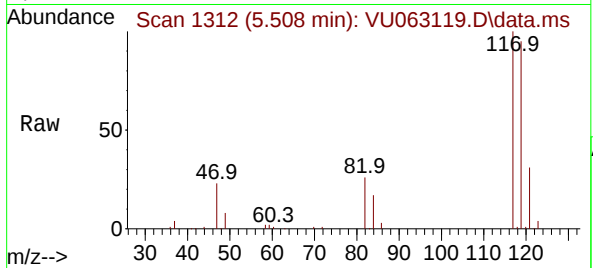




#31
Carbon tetrachloride
Concen: 10.006 ug/L
RT: 5.508 min Scan# 1313
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

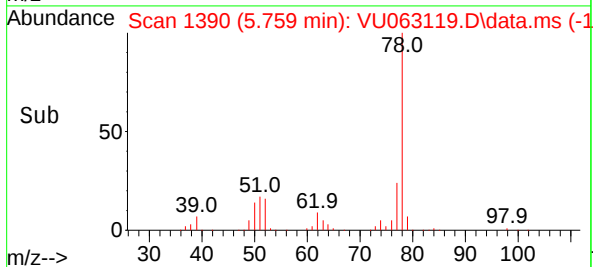
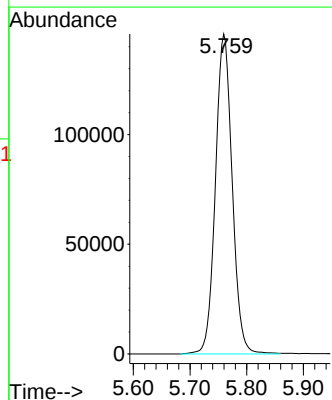
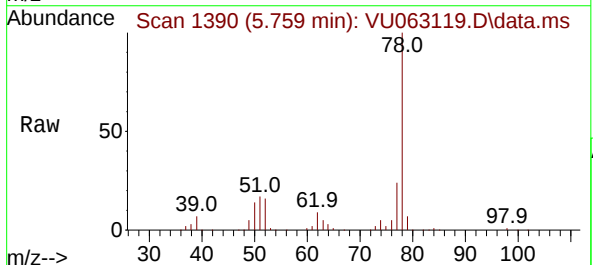
Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

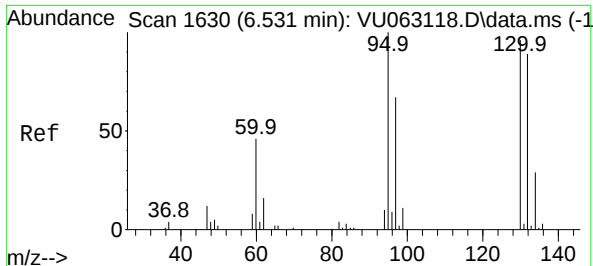
Tgt Ion:117 Resp: 90359
Ion Ratio Lower Upper
117 100
119 95.3 77.0 115.4



#33
Benzene
Concen: 10.485 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion: 78 Resp: 299529





#34

Trichloroethene

Concen: 9.792 ug/L

RT: 6.528 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010003

Tgt Ion: 95 Resp: 73524

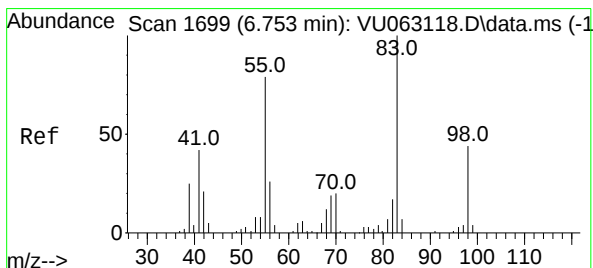
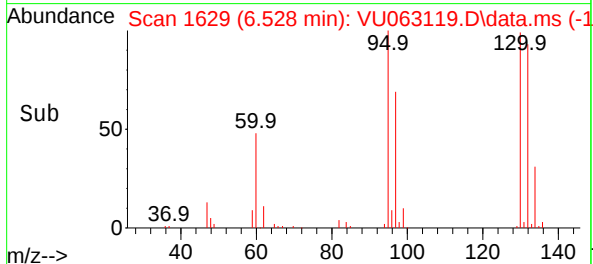
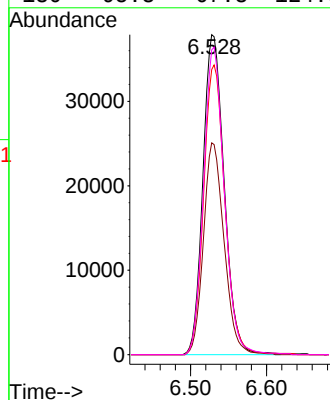
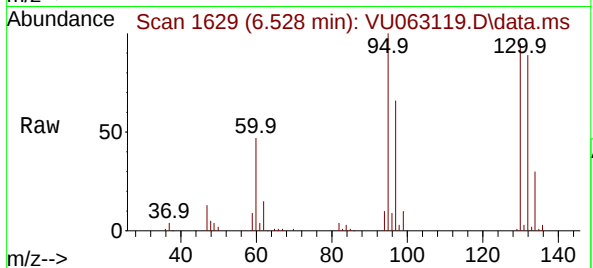
Ion Ratio Lower Upper

95 100

97 66.2 46.7 86.7

132 89.1 62.4 115.8

130 95.3 67.3 124.9



#35

Methylcyclohexane

Concen: 10.129 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

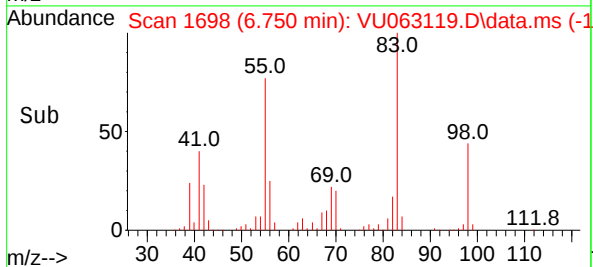
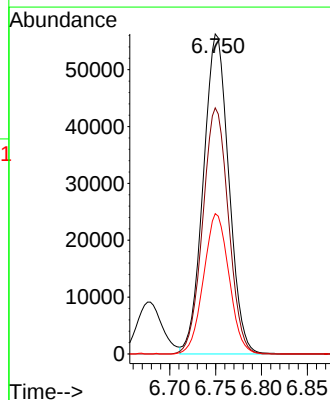
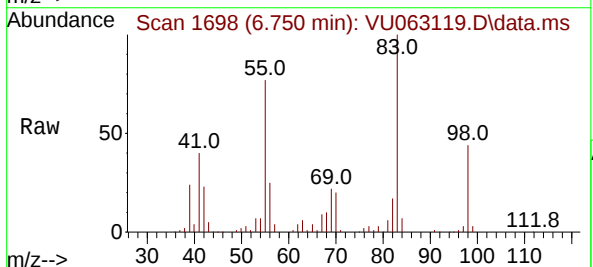
Tgt Ion: 83 Resp: 108827

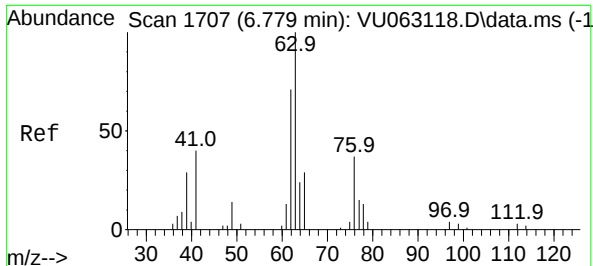
Ion Ratio Lower Upper

83 100

55 77.5 62.8 94.2

98 43.7 36.0 54.0

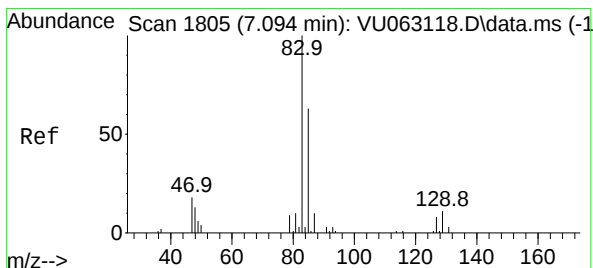
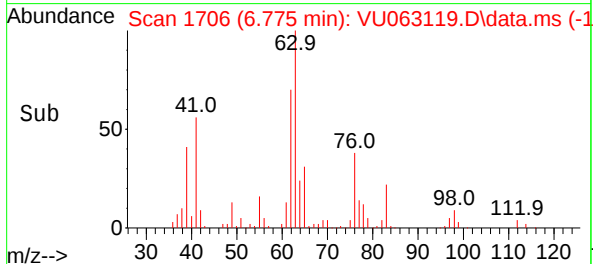
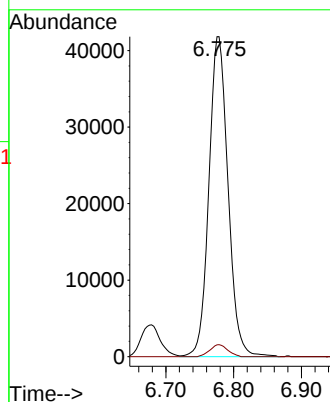
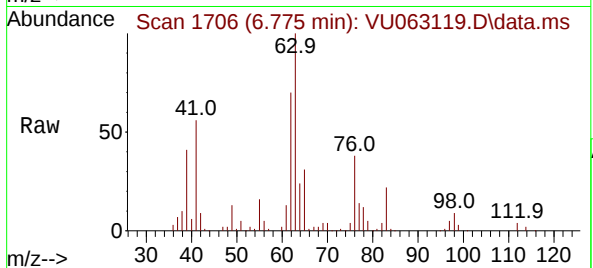




#37
1,2-Dichloropropane
Concen: 10.744 ug/L
RT: 6.775 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

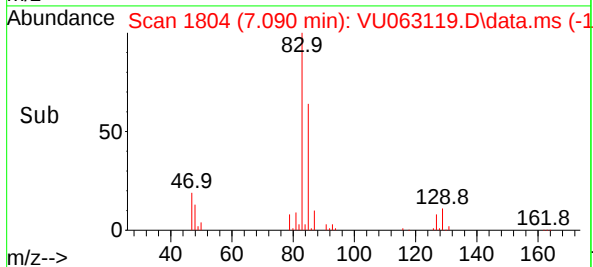
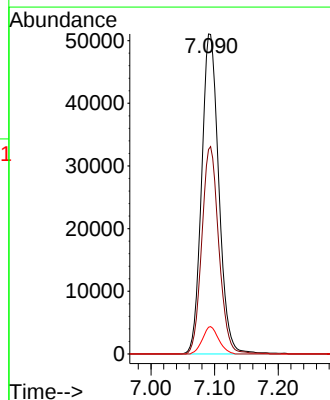
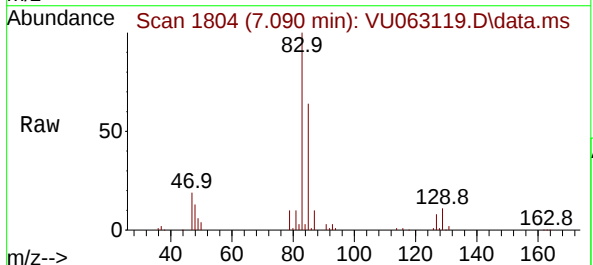
Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

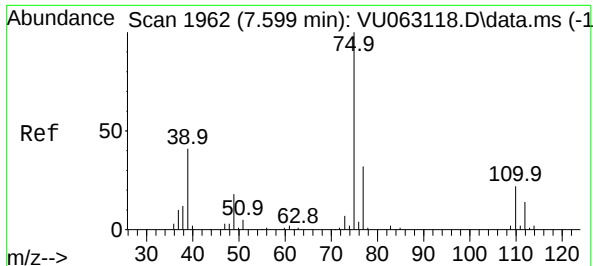
Tgt Ion: 63 Resp: 81791
Ion Ratio Lower Upper
63 100
112 3.5 2.6 4.0



#38
Bromodichloromethane
Concen: 10.211 ug/L
RT: 7.090 min Scan# 1804
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion: 83 Resp: 95706
Ion Ratio Lower Upper
83 100
85 63.9 44.0 81.8
127 8.3 6.3 9.5

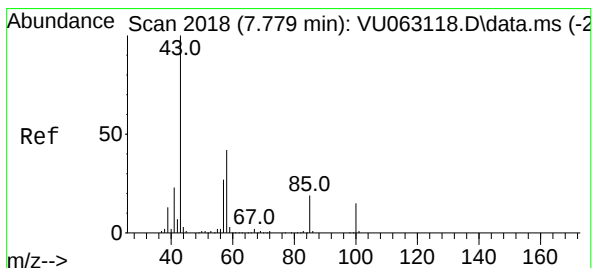
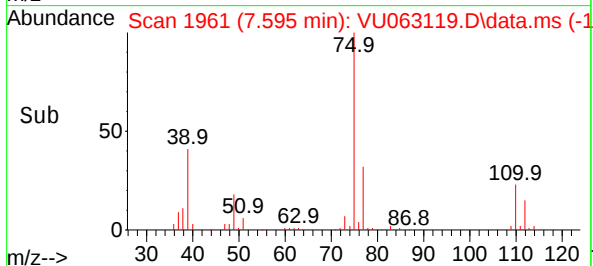
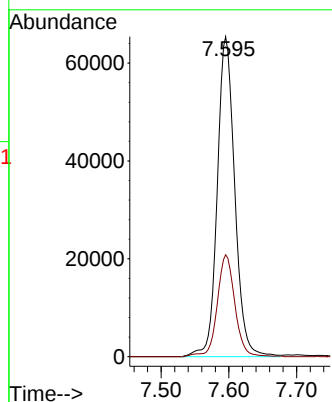
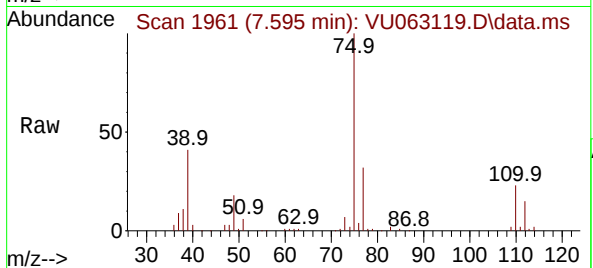




#39
 cis-1,3-Dichloropropene
 Concen: 10.624 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. -0.003 min
 Lab File: VU063119.D
 Acq: 04 Feb 2025 14:10

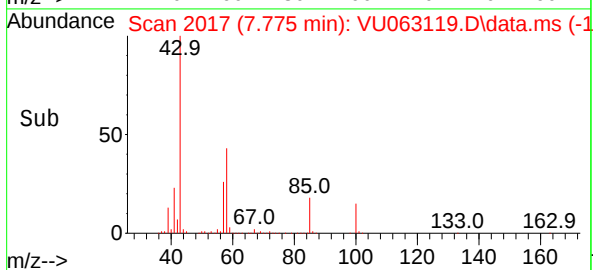
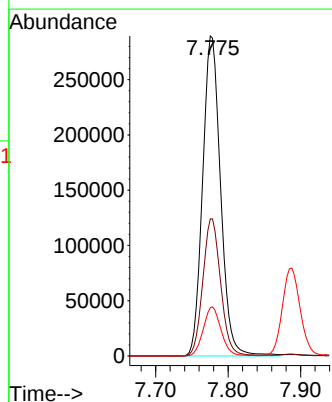
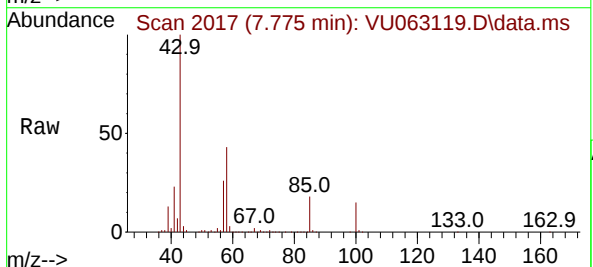
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010003

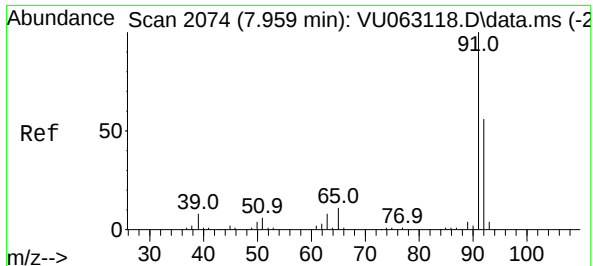
Tgt Ion: 75 Resp: 117547
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 125.735 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. -0.003 min
 Lab File: VU063119.D
 Acq: 04 Feb 2025 14:10

Tgt Ion: 43 Resp: 498790
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.7 50.5
 100 15.2 12.1 18.1





#42

Toluene

Concen: 10.617 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

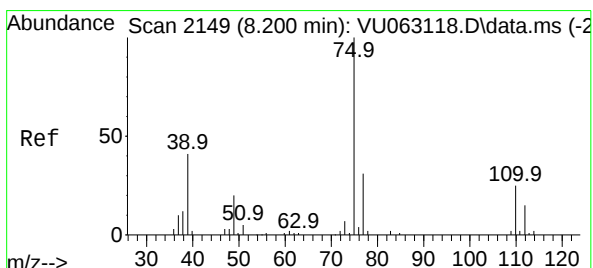
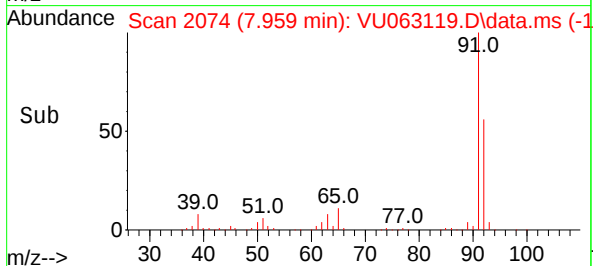
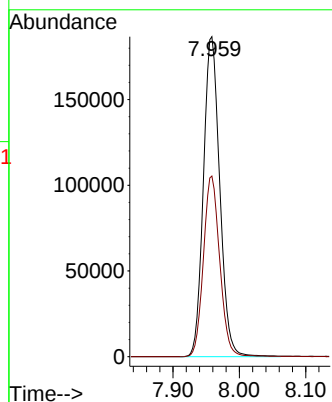
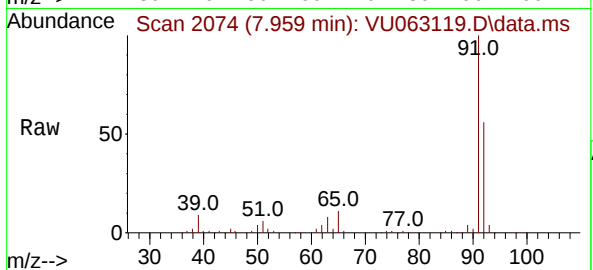
VSTD010003

Tgt Ion: 91 Resp: 319892

Ion Ratio Lower Upper

91 100

92 56.4 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 10.970 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU063119.D

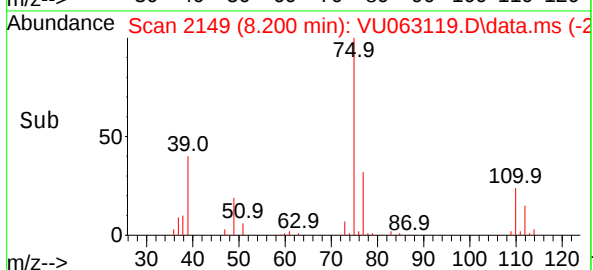
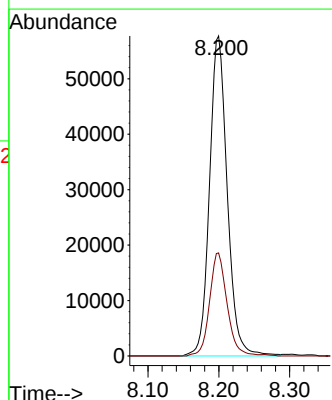
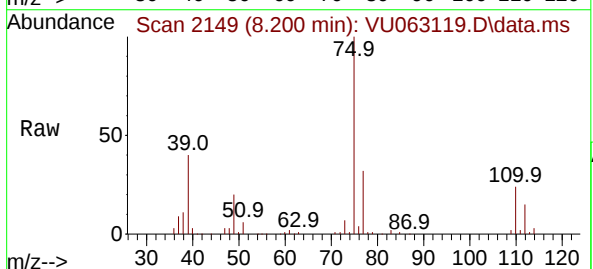
Acq: 04 Feb 2025 14:10

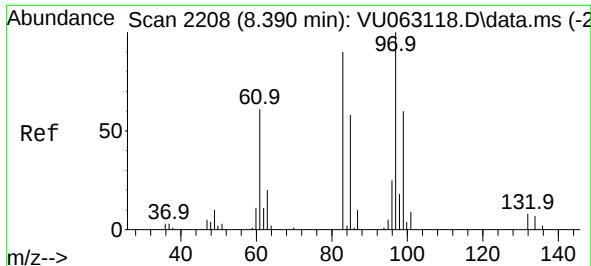
Tgt Ion: 75 Resp: 100355

Ion Ratio Lower Upper

75 100

77 32.2 21.6 40.0



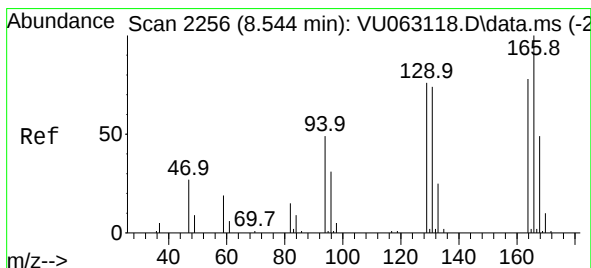
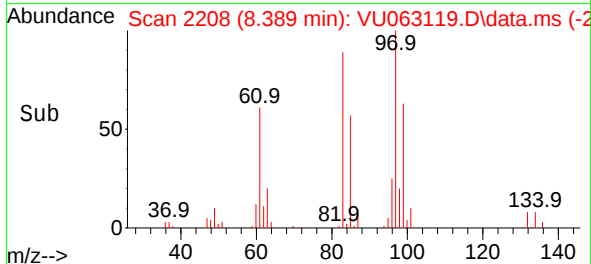
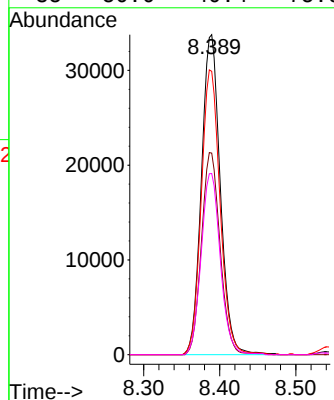
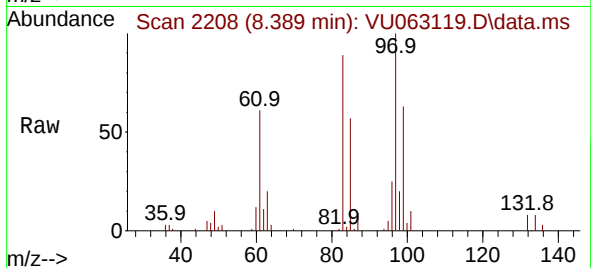


#45
1,1,2-Trichloroethane
Concen: 10.198 ug/L
RT: 8.389 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

Tgt Ion: 97 Resp: 58149

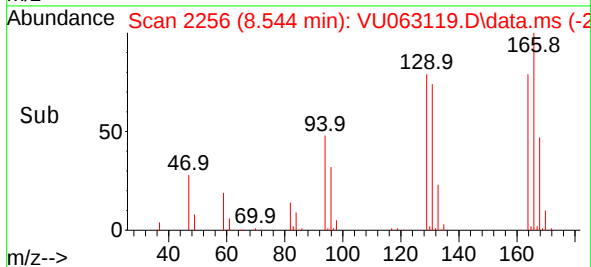
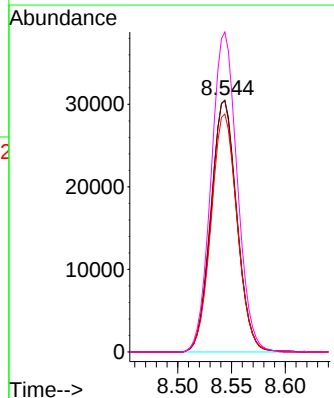
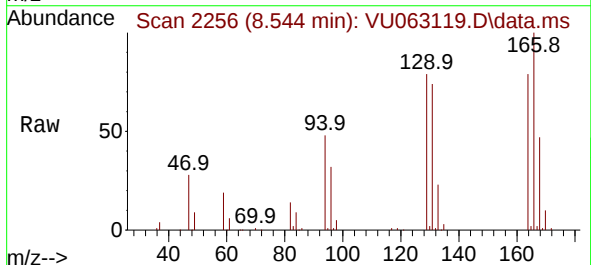
Ion	Ratio	Lower	Upper
97	100		
99	63.0	42.2	78.4
83	88.5	62.9	116.9
85	56.6	40.4	75.0

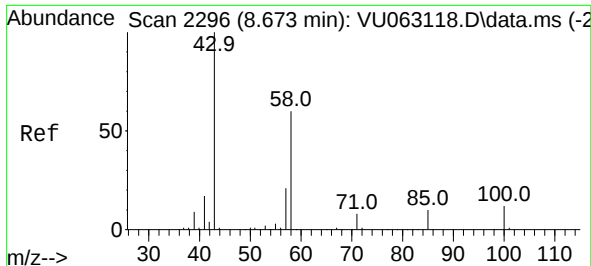


#47
Tetrachloroethene
Concen: 9.905 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion: 164 Resp: 51120

Ion	Ratio	Lower	Upper
164	100		
129	99.9	68.6	127.4
131	94.5	66.5	123.5
166	127.1	89.9	167.0

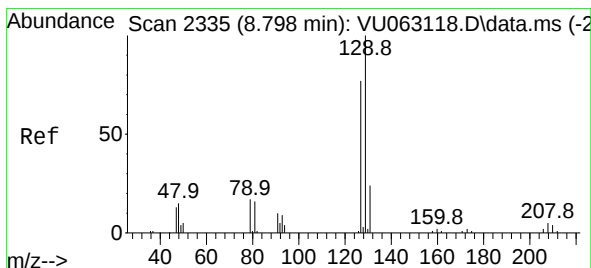
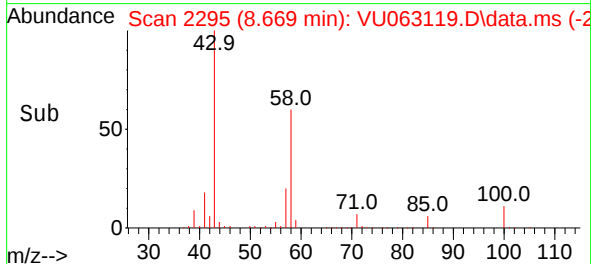
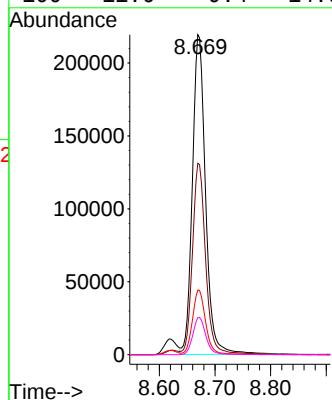
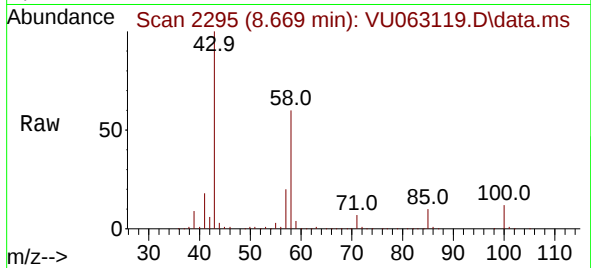




#48
2-Hexanone
Concen: 130.024 ug/L
RT: 8.669 min Scan# 2295
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

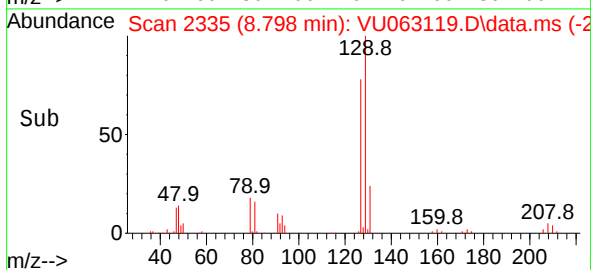
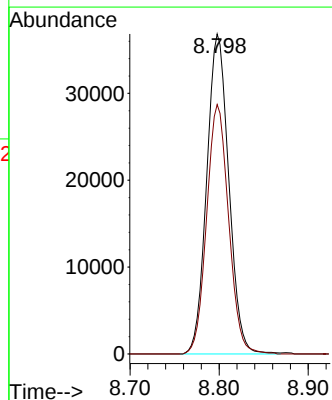
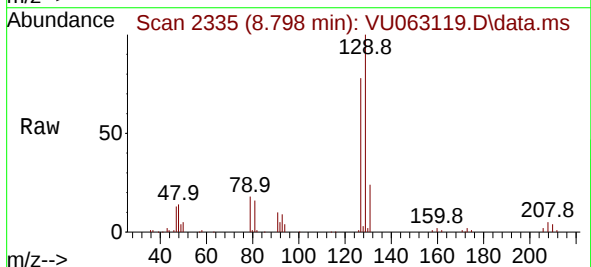
Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

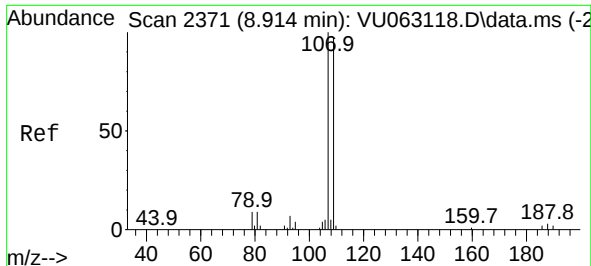
Tgt Ion: 43 Resp: 360218
Ion Ratio Lower Upper
43 100
58 60.3 45.8 68.8
57 20.1 15.7 23.5
100 11.6 9.4 14.0



#49
Dibromochloromethane
Concen: 10.274 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion: 129 Resp: 63255
Ion Ratio Lower Upper
129 100
127 78.0 53.8 99.8





#50

1,2-Dibromoethane

Concen: 10.756 ug/L

RT: 8.914 min Scan# 2371

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010003

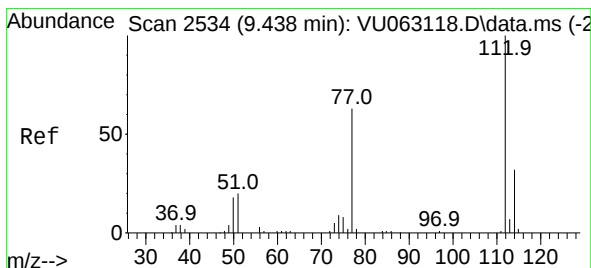
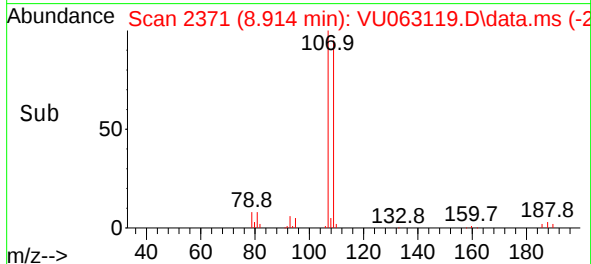
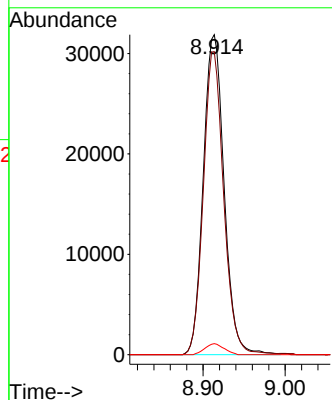
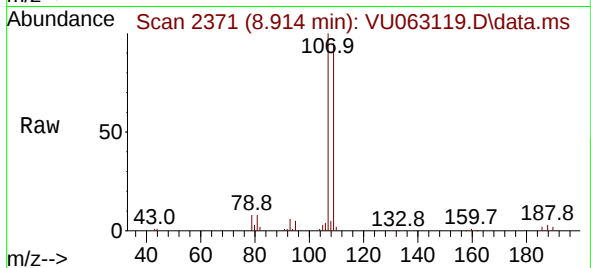
Tgt Ion:107 Resp: 56175

Ion Ratio Lower Upper

107 100

109 94.7 67.6 125.6

188 3.5 2.6 3.8



#51

Chlorobenzene

Concen: 10.196 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

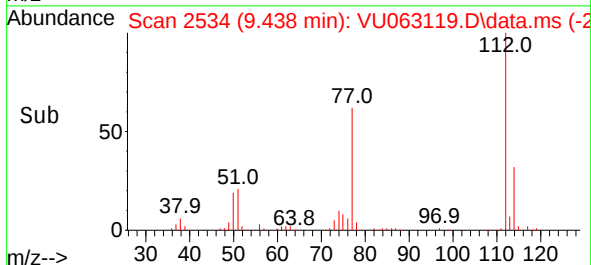
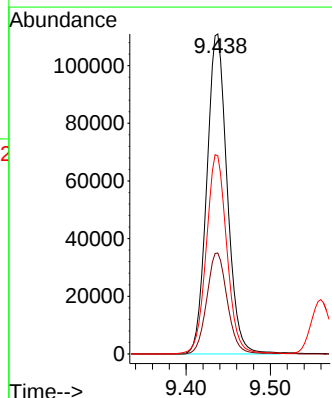
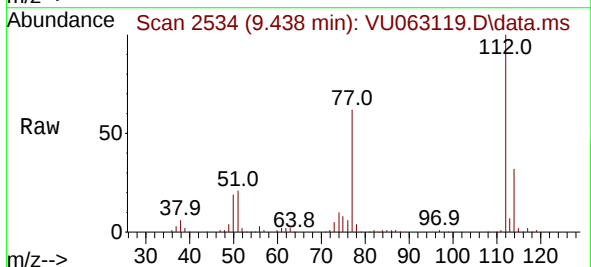
Tgt Ion:112 Resp: 186598

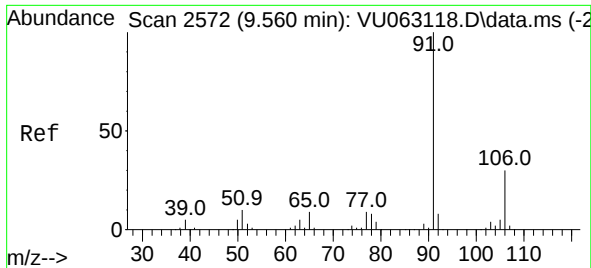
Ion Ratio Lower Upper

112 100

114 31.6 22.6 42.0

77 62.0 50.8 76.2

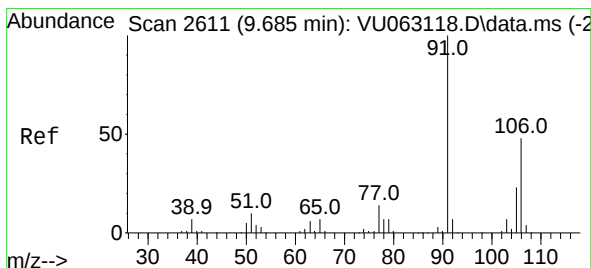
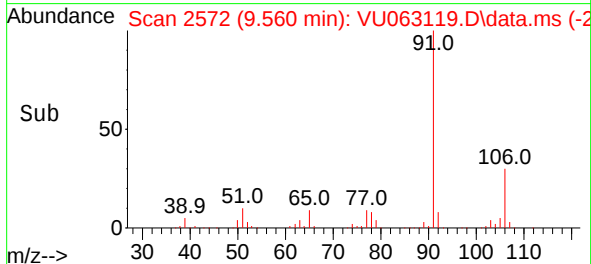
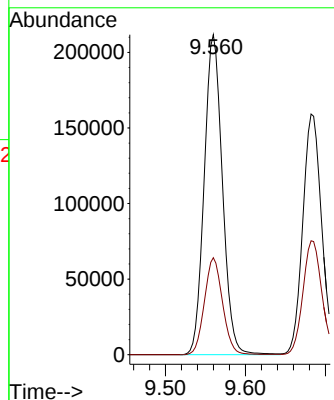
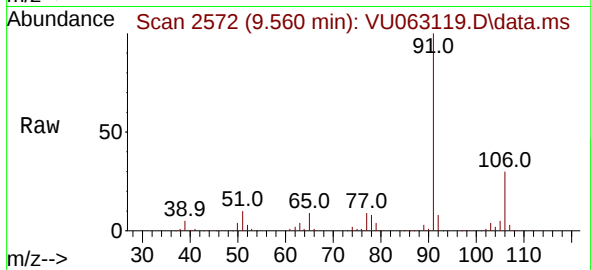




#52
Ethylbenzene
Concen: 10.547 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

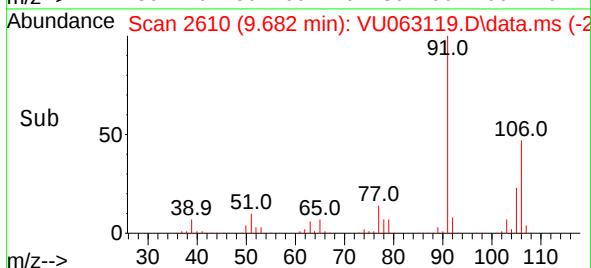
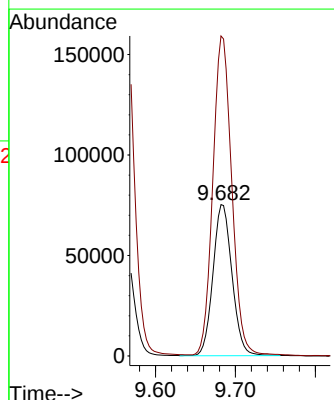
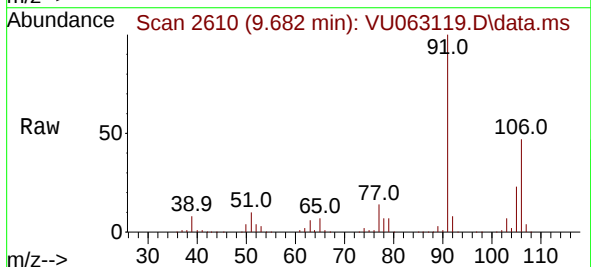
Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

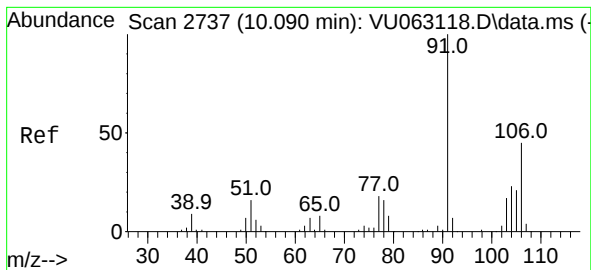
Tgt Ion: 91 Resp: 336172
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.6



#53
m,p-Xylene
Concen: 10.544 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion: 106 Resp: 123927
Ion Ratio Lower Upper
106 100
91 211.4 147.3 273.6





#54

o-Xylene

Concen: 10.780 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

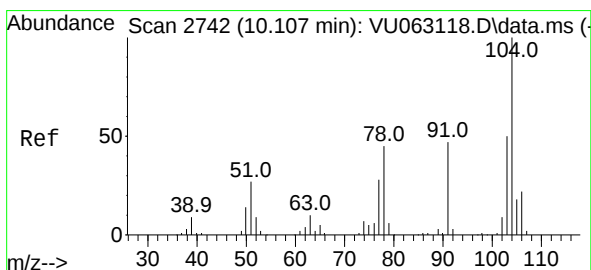
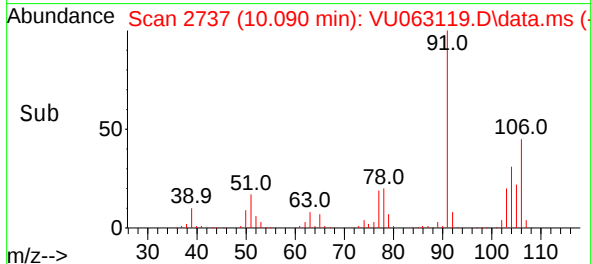
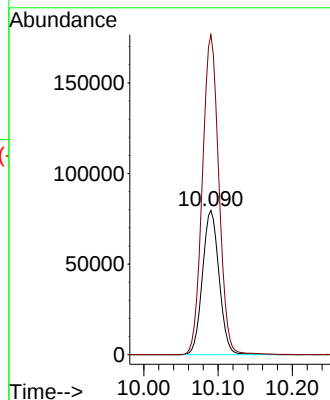
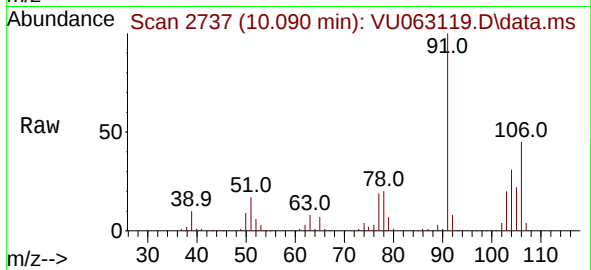
VSTD010003

Tgt Ion:106 Resp: 123689

Ion Ratio Lower Upper

106 100

91 222.0 155.4 288.6



#55

Styrene

Concen: 10.866 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. -0.003 min

Lab File: VU063119.D

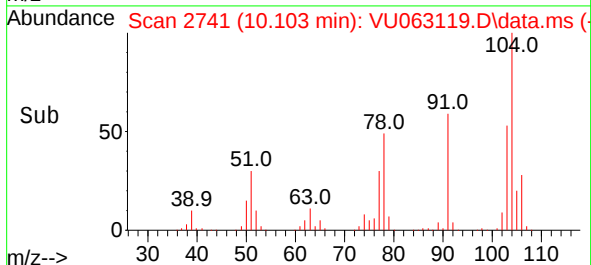
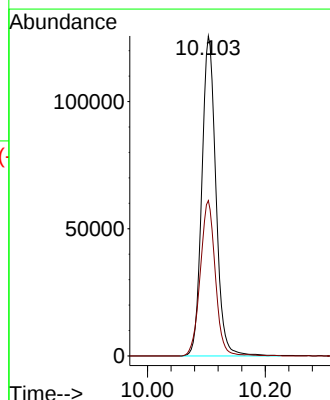
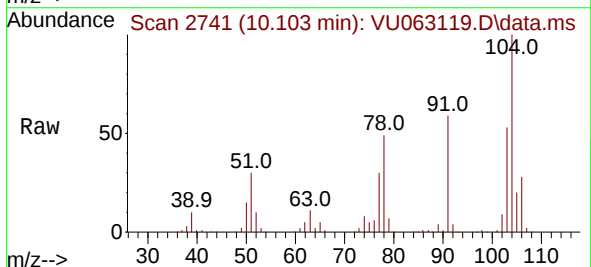
Acq: 04 Feb 2025 14:10

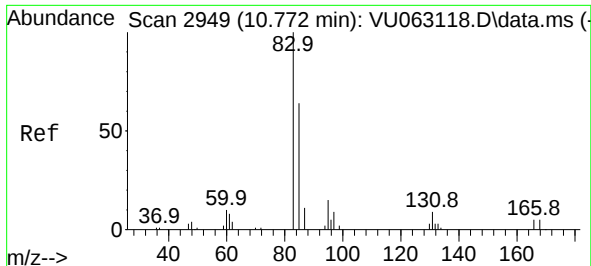
Tgt Ion:104 Resp: 209134

Ion Ratio Lower Upper

104 100

78 48.6 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 10.608 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010003

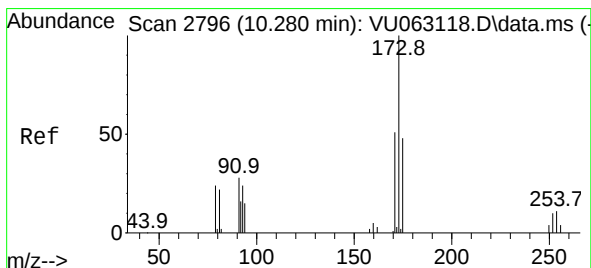
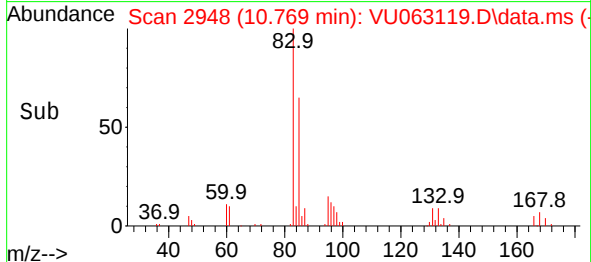
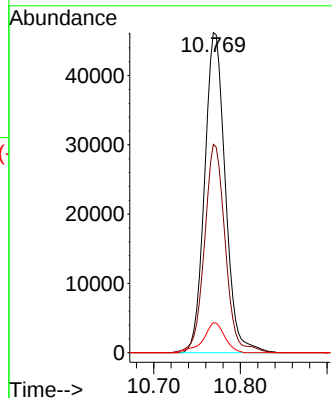
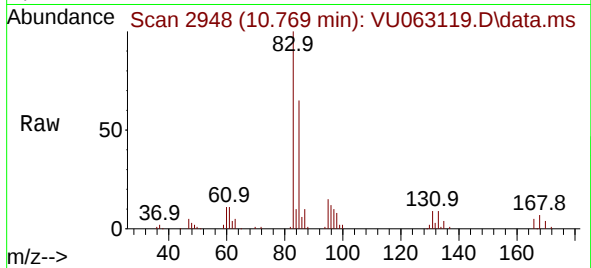
Tgt Ion: 83 Resp: 76596

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.8

131 9.3 7.4 11.0



#59

Bromoform

Concen: 10.159 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

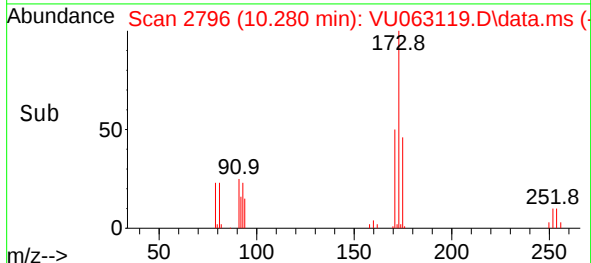
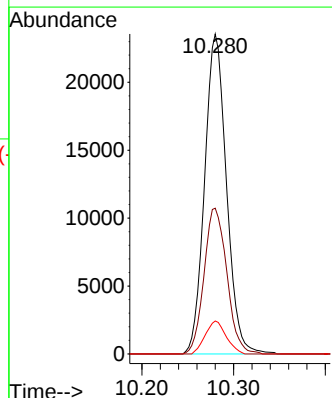
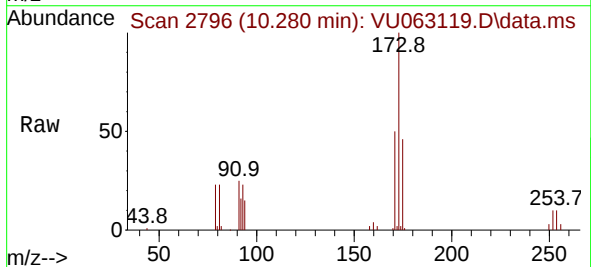
Tgt Ion:173 Resp: 38998

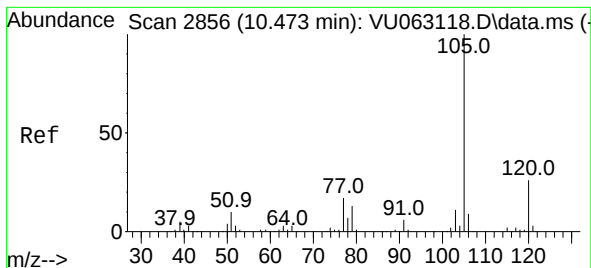
Ion Ratio Lower Upper

173 100

175 47.5 37.7 56.5

254 9.9 7.9 11.9





#60

Isopropylbenzene

Concen: 10.066 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010003

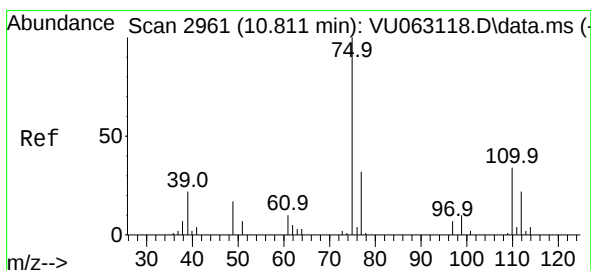
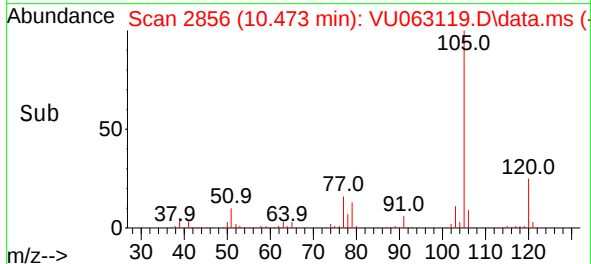
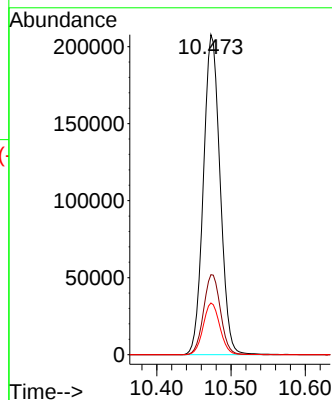
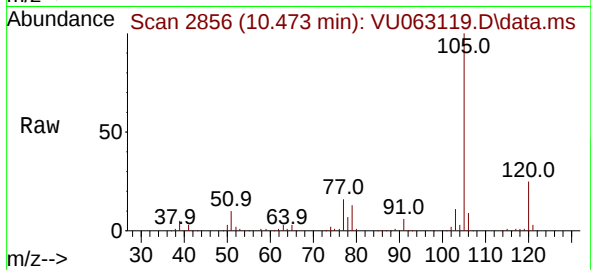
Tgt Ion:105 Resp: 323877

Ion Ratio Lower Upper

105 100

120 25.4 20.8 31.2

77 16.1 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 10.366 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

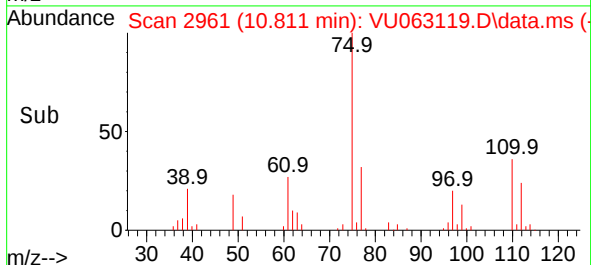
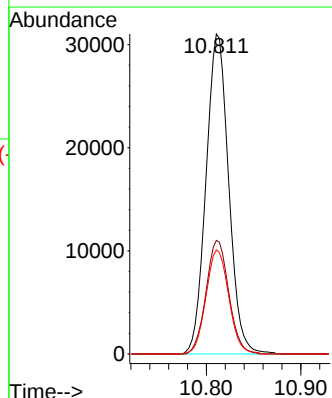
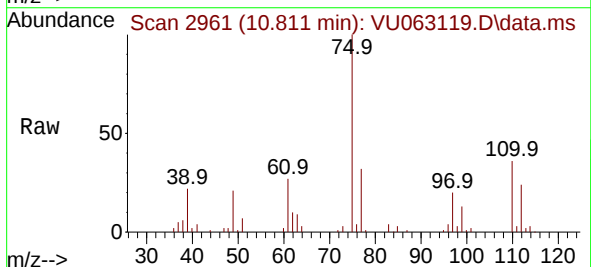
Tgt Ion: 75 Resp: 51595

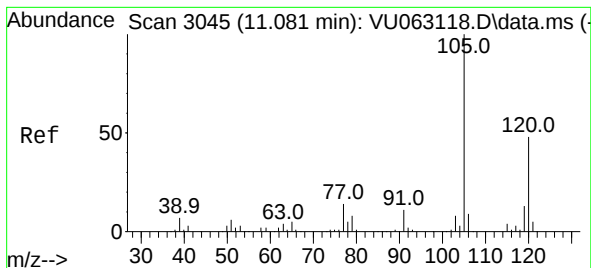
Ion Ratio Lower Upper

75 100

110 35.6 27.4 41.0

77 32.7 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 10.340 ug/L

RT: 11.077 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

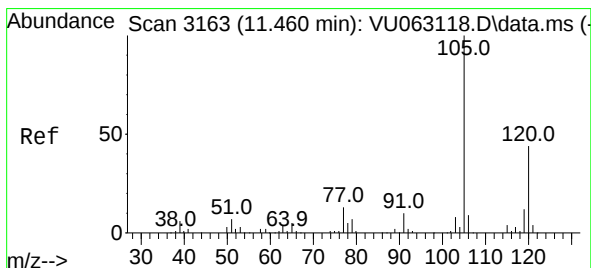
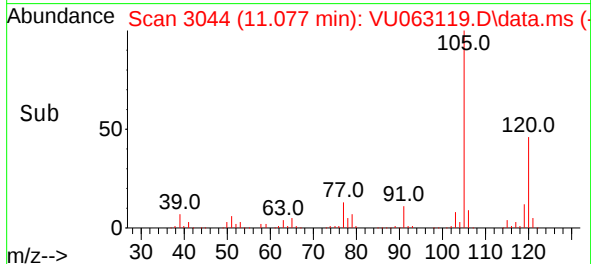
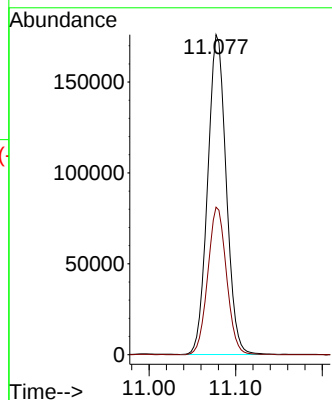
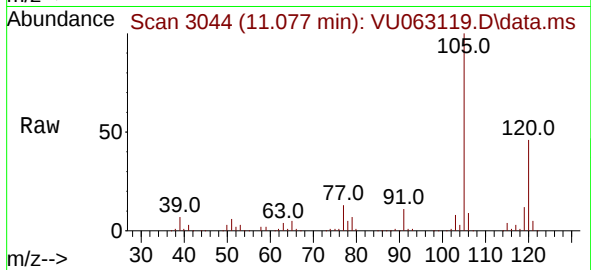
VSTD010003

Tgt Ion:105 Resp: 261557

Ion Ratio Lower Upper

105 100

120 46.6 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 10.806 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VU063119.D

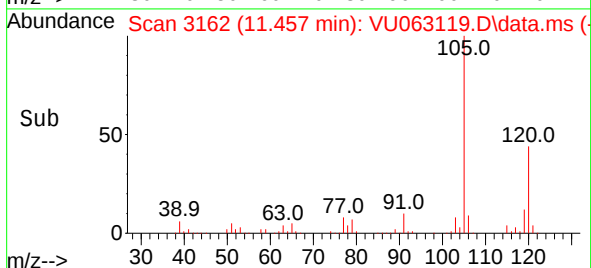
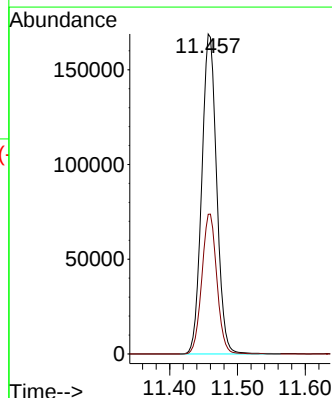
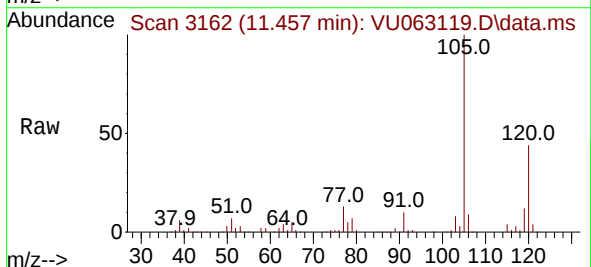
Acq: 04 Feb 2025 14:10

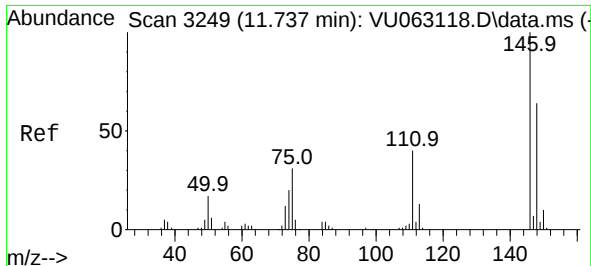
Tgt Ion:105 Resp: 258306

Ion Ratio Lower Upper

105 100

120 43.9 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 9.638 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010003

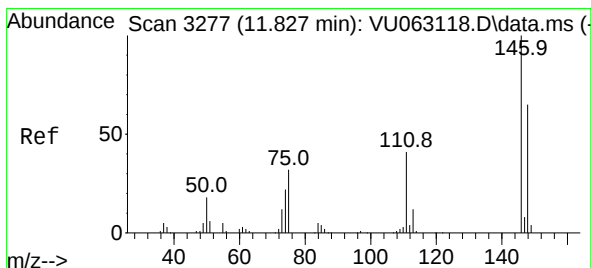
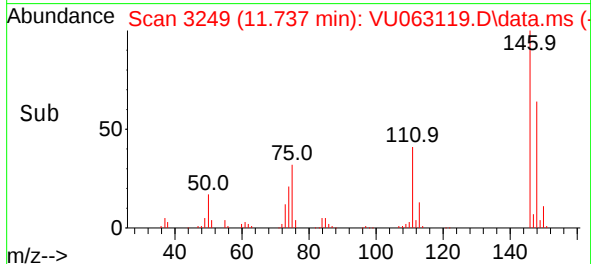
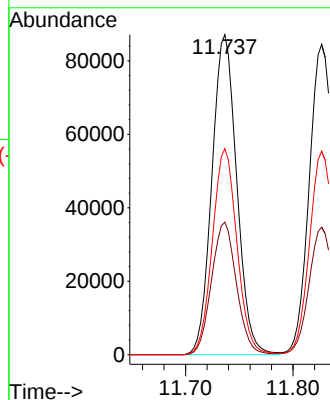
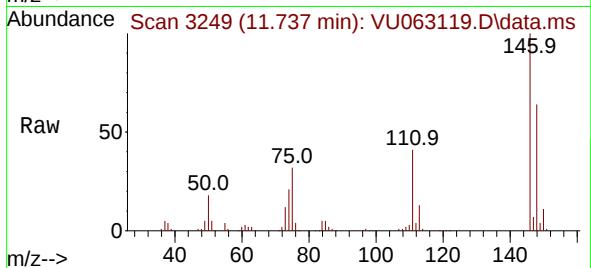
Tgt Ion:146 Resp: 140052

Ion Ratio Lower Upper

146 100

111 41.4 27.9 51.7

148 64.4 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 9.396 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

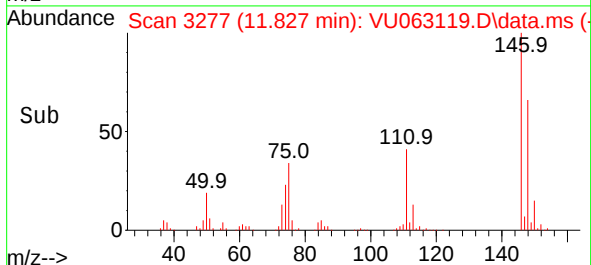
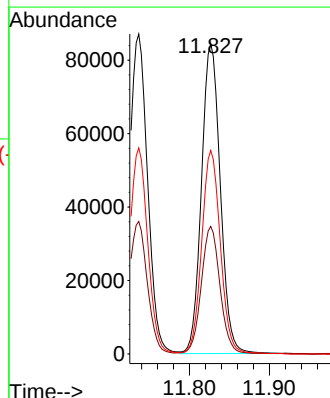
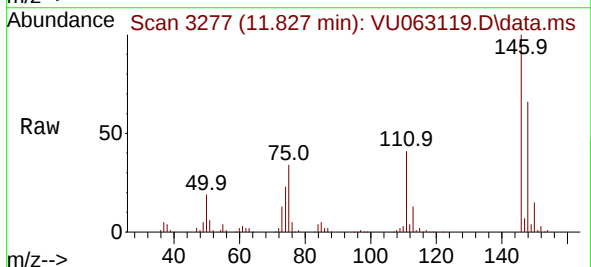
Tgt Ion:146 Resp: 138293

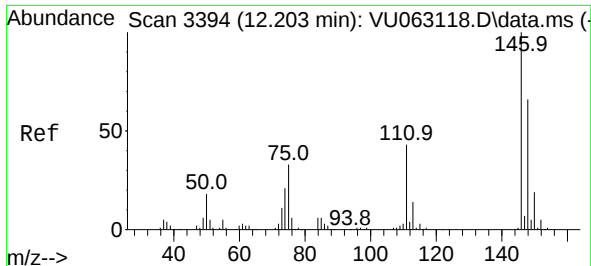
Ion Ratio Lower Upper

146 100

111 41.1 28.5 52.9

148 65.5 45.4 84.2

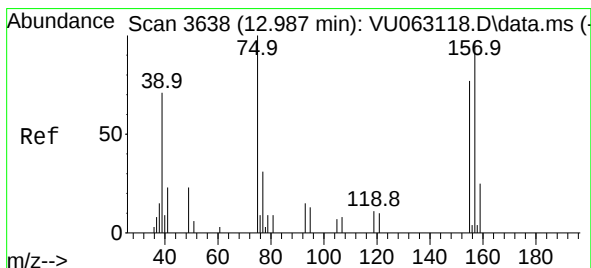
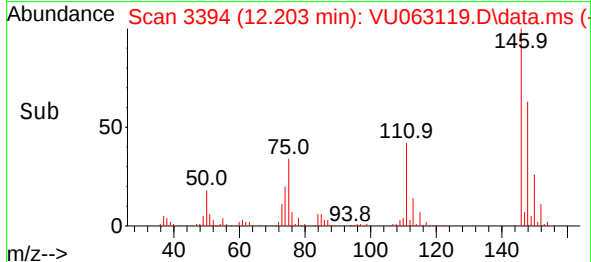
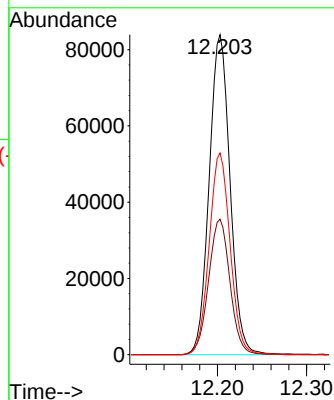
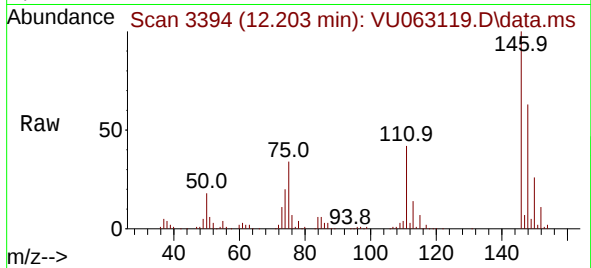




#67
1,2-Dichlorobenzene
Concen: 9.835 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

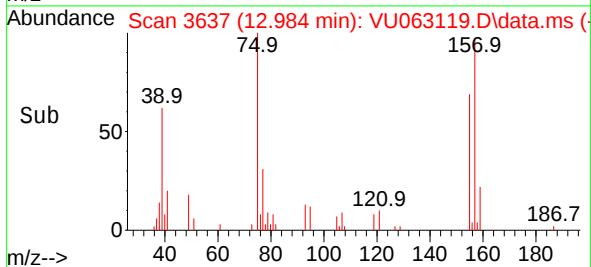
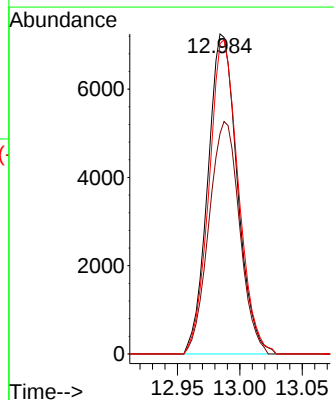
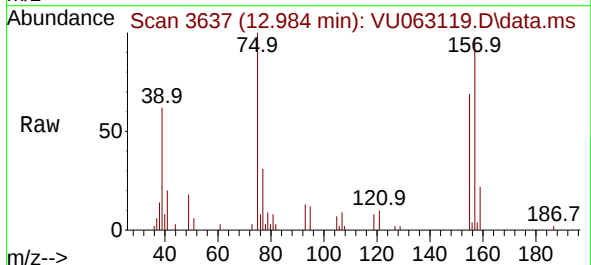
Instrument :
MSVOA_U
ClientSampleId :
VSTD010003

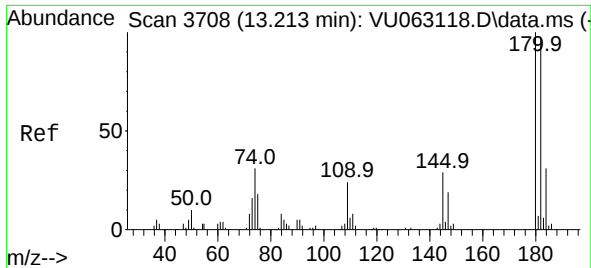
Tgt Ion:146 Resp: 136421
Ion Ratio Lower Upper
146 100
111 42.4 34.1 51.1
148 63.0 52.5 78.7



#68
1,2-Dibromo-3-chloropropane
Concen: 14.589 ug/L
RT: 12.984 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion: 75 Resp: 11944
Ion Ratio Lower Upper
75 100
155 68.9 61.6 92.4
157 97.0 77.4 116.0





#69

1,3,5-Trichlorobenzene

Concen: 9.783 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010003

Tgt Ion:180 Resp: 94369

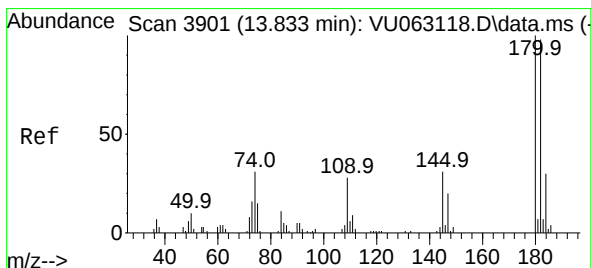
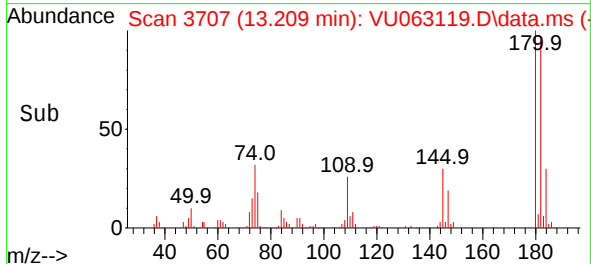
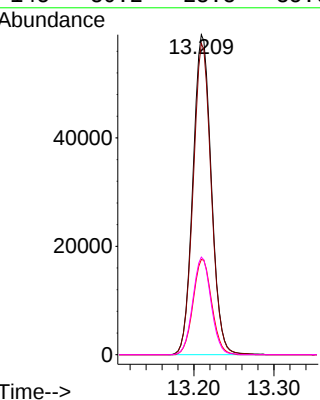
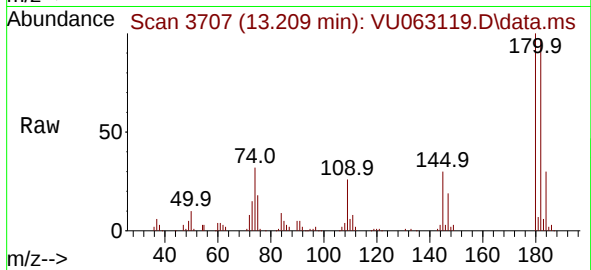
Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

184 30.3 23.8 35.8

145 30.2 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 11.626 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU063119.D

Acq: 04 Feb 2025 14:10

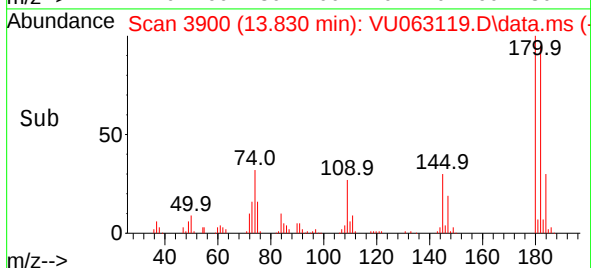
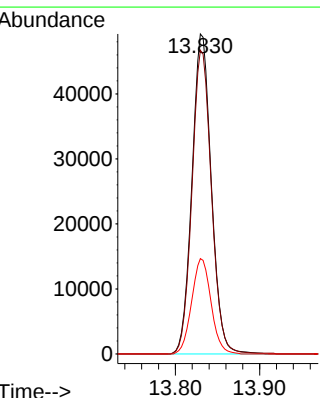
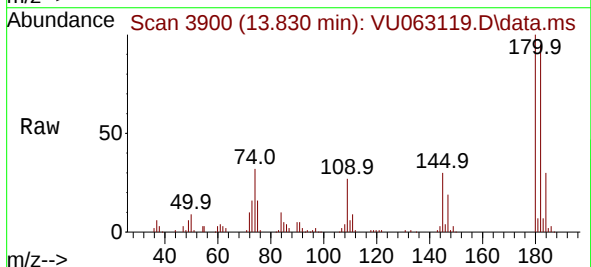
Tgt Ion:180 Resp: 78729

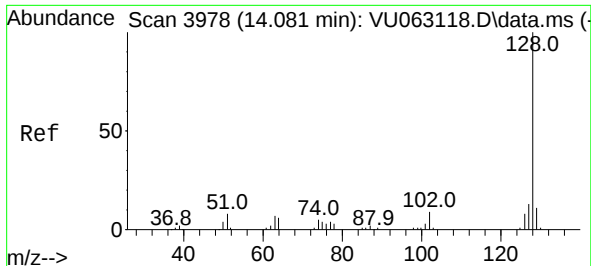
Ion Ratio Lower Upper

180 100

182 95.5 76.1 114.1

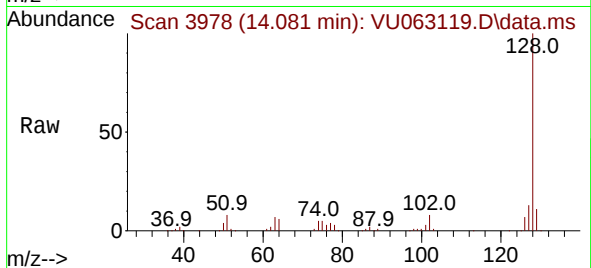
145 29.8 24.3 36.5



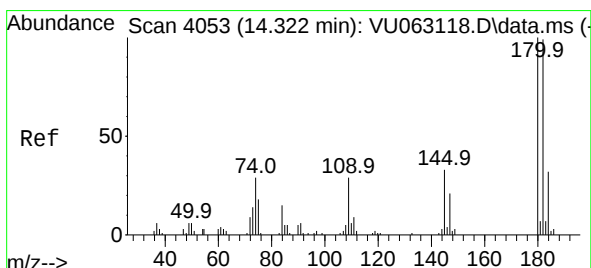
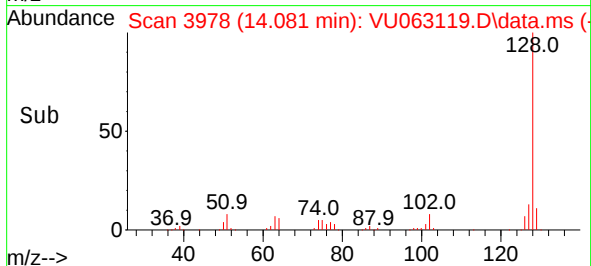
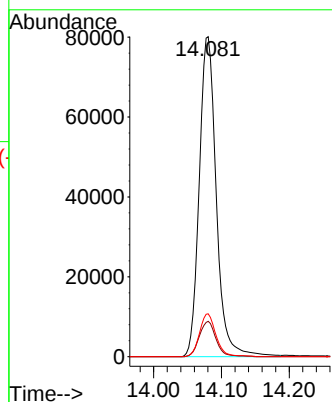


#71
Naphthalene
Concen: 13.874 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD010003



Tgt Ion:128 Resp: 140196
Ion Ratio Lower Upper
128 100
129 10.8 8.0 12.0
127 13.0 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 12.125 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU063119.D
Acq: 04 Feb 2025 14:10

Tgt Ion:180 Resp: 73500
Ion Ratio Lower Upper
180 100
182 95.6 78.5 117.7
145 32.4 26.1 39.1

