

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
 Data File : VU061101.D
 Acq On : 10 Oct 2024 20:03
 Operator : MD/SY
 Sample : P4380-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 06:52:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 11 06:46:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	171674	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	158192	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	78529	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	38846	3.165	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.200%
7) Chloroethane-d5	1.907	69	34420	3.747	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.000%
11) 1,1-Dichloroethene-d2	2.557	65	17970	3.319	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	4.644	46	104308	35.479	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.960%
24) Chloroform-d	5.052	84	89613	4.143	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
26) 1,2-Dichloroethane-d4	5.692	65	44289	3.863	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
32) Benzene-d6	5.718	84	163194	3.912	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
36) 1,2-Dichloropropane-d6	6.682	67	54904	4.008	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.200%
41) Toluene-d8	7.888	98	150808	3.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	8.174	79	22042	3.763	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.627	63	104234	42.996	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.000%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	43689	4.349	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	54007	4.301	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	42953	5.133	ug/L	99
3) Chloromethane	1.515	50	56899	4.709	ug/L	97
5) Vinyl chloride	1.599	62	61762	5.091	ug/L	100
6) Bromomethane	1.853	94	23874	3.689	ug/L	97
8) Chloroethane	1.927	64	39582	5.379	ug/L	99
9) Trichlorofluoromethane	2.133	101	86807	5.569	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	56284	5.467	ug/L	96
12) 1,1-Dichloroethene	2.570	96	54071	5.454	ug/L	91
13) Acetone	2.670	43	108350	57.303	ug/L	99
14) Carbon disulfide	2.785	76	180324	5.353	ug/L	99
15) Methyl Acetate	2.959	43	27487	5.971	ug/L #	87
16) Methylene chloride	3.036	84	60263	5.295	ug/L	94
17) Methyl tert-butyl Ether	3.358	73	150505	5.306	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	57595	5.300	ug/L	93
19) 1,1-Dichloroethane	3.859	63	116427	5.506	ug/L	99
21) 2-Butanone	4.724	43	141674	45.515	ug/L	93
22) cis-1,2-Dichloroethene	4.657	96	68466	5.657	ug/L	97
23) Bromochloromethane	4.965	128	27125	5.568	ug/L #	88
25) Chloroform	5.078	83	113845	5.374	ug/L	97

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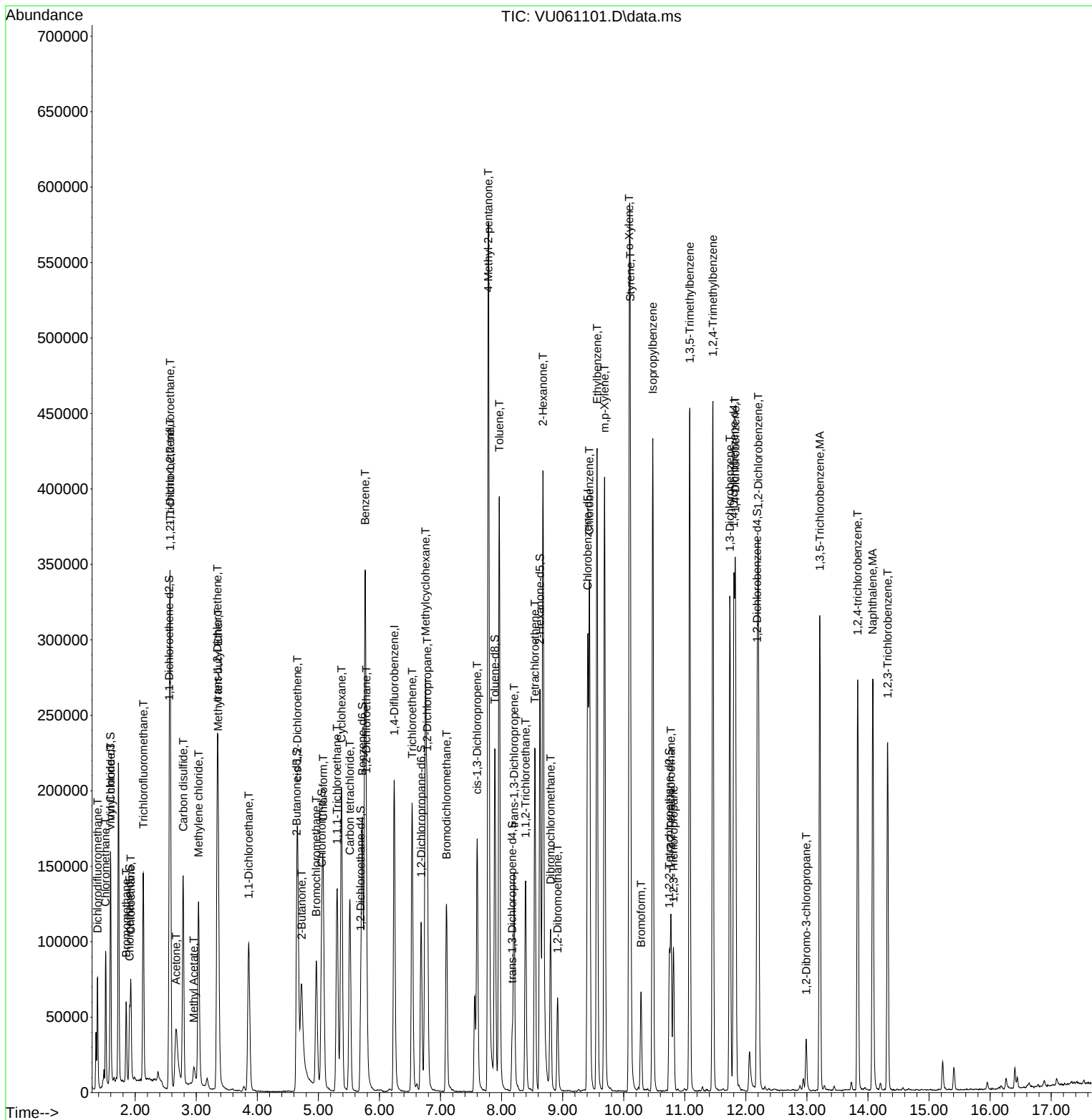
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 ClientSampleId :

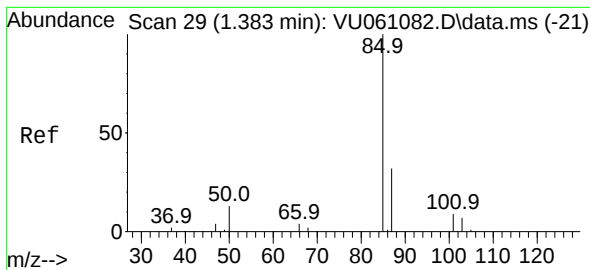
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	71342	5.113	ug/L	95
29) 1,1,1-Trichloroethane	5.306	97	97615	5.333	ug/L	96
30) Cyclohexane	5.377	56	106799	5.237	ug/L	95
31) Carbon tetrachloride	5.515	117	85957	5.533	ug/L	99
33) Benzene	5.766	78	310205	6.652	ug/L	100
34) Trichloroethene	6.534	95	67719	5.357	ug/L	97
35) Methylcyclohexane	6.753	83	109068	5.342	ug/L	98
37) 1,2-Dichloropropane	6.782	63	66446	5.407	ug/L #	96
38) Bromodichloromethane	7.097	83	83619	5.443	ug/L	96
39) cis-1,3-Dichloropropene	7.599	75	101880	5.287	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	415055	52.728	ug/L	96
42) Toluene	7.962	91	287798	5.793	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	82238	5.161	ug/L	97
45) 1,1,2-Trichloroethane	8.390	97	44545	5.469	ug/L	98
47) Tetrachloroethene	8.544	164	47026	5.716	ug/L	98
48) 2-Hexanone	8.676	43	281995	51.672	ug/L	98
49) Dibromochloromethane	8.801	129	53636	5.660	ug/L	96
50) 1,2-Dibromoethane	8.917	107	42277	5.483	ug/L	98
51) Chlorobenzene	9.438	112	172130	5.688	ug/L	95
52) Ethylbenzene	9.563	91	310496	5.515	ug/L	99
53) m,p-Xylene	9.685	106	113084	5.506	ug/L	89
54) o-Xylene	10.090	106	112828	5.584	ug/L	94
55) Styrene	10.107	104	170202	5.219	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	57244	5.593	ug/L	98
59) Bromoform	10.283	173	28784	5.340	ug/L	98
60) Isopropylbenzene	10.476	105	282270	5.374	ug/L	98
61) 1,2,3-Trichloropropane	10.814	75	39424	5.110	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	243311	5.257	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	248787	5.325	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	127261	5.653	ug/L	96
65) 1,4-Dichlorobenzene	11.827	146	125061	5.620	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	117425	5.644	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	8766	5.210	ug/L	86
69) 1,3,5-Trichlorobenzene	13.209	180	92054	5.807	ug/L	96
70) 1,2,4-trichlorobenzene	13.830	180	77440	6.375	ug/L	97
71) Naphthalene	14.077	128	217657	10.969	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	65300	6.460	ug/L	97

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

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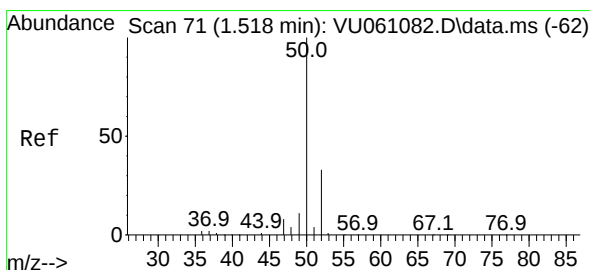
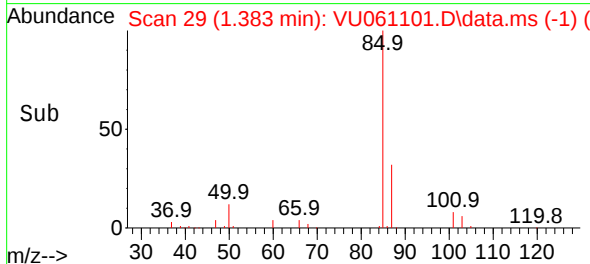
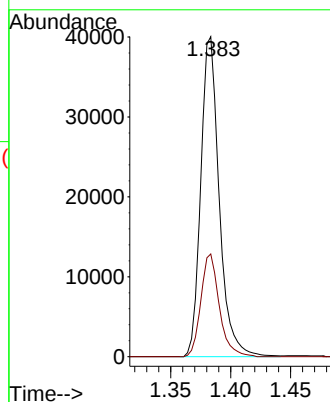
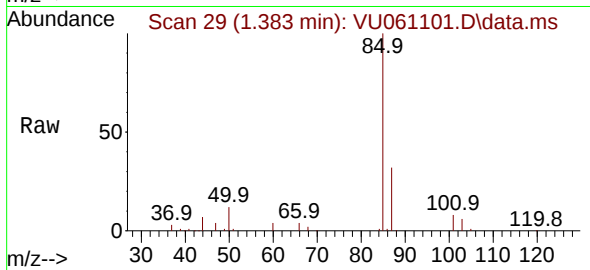




#2
Dichlorodifluoromethane
Concen: 5.133 ug/L
RT: 1.383 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

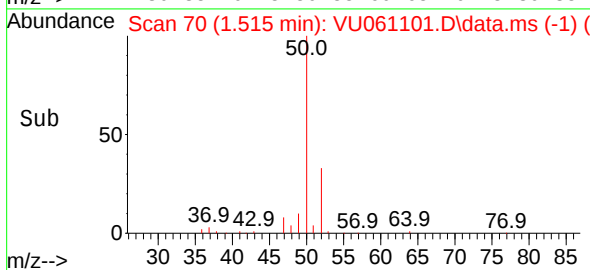
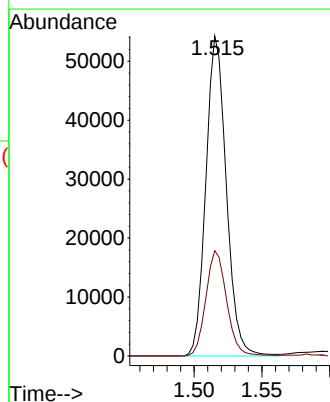
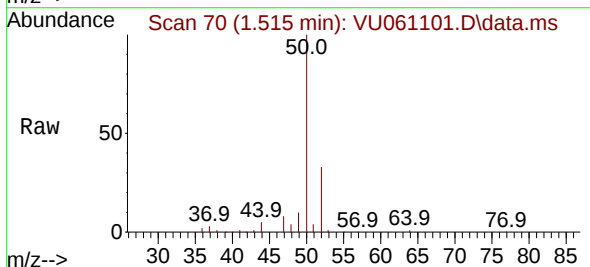
Instrument :
MSVOA_U
ClientSampleId :

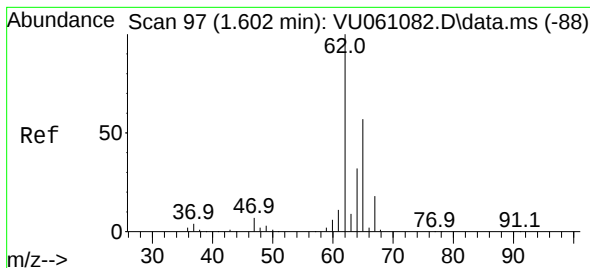
Tgt Ion: 85 Resp: 42953
Ion Ratio Lower Upper
85 100
87 32.0 26.2 39.2



#3
Chloromethane
Concen: 4.709 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion: 50 Resp: 56899
Ion Ratio Lower Upper
50 100
52 32.9 24.4 45.4





#5

Vinyl chloride

Concen: 5.091 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

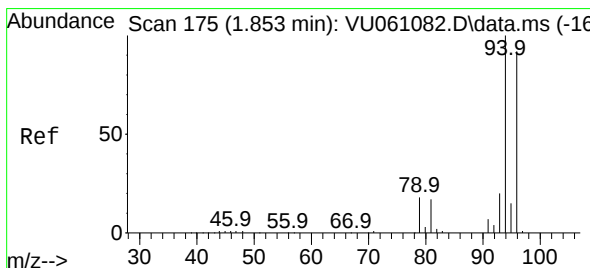
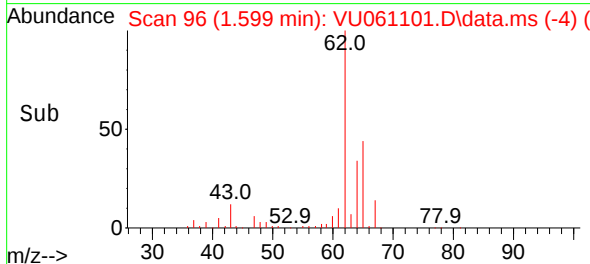
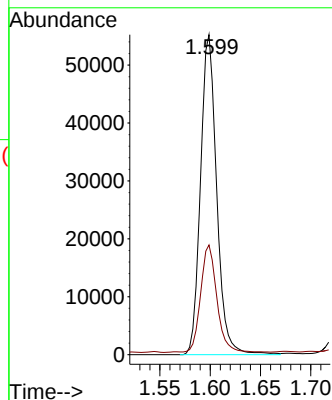
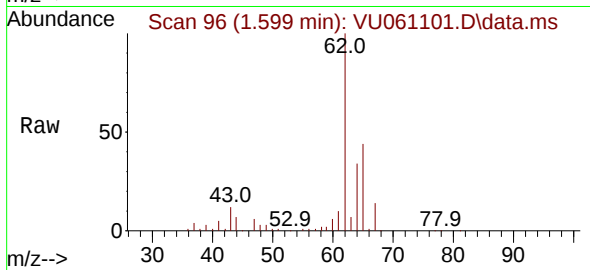
ClientSampleId :

Tgt Ion: 62 Resp: 61762

Ion Ratio Lower Upper

62 100

64 34.3 24.0 44.6



#6

Bromomethane

Concen: 3.689 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU061101.D

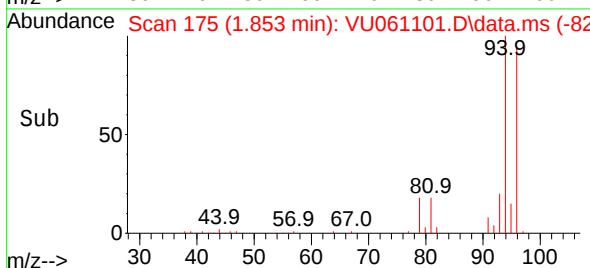
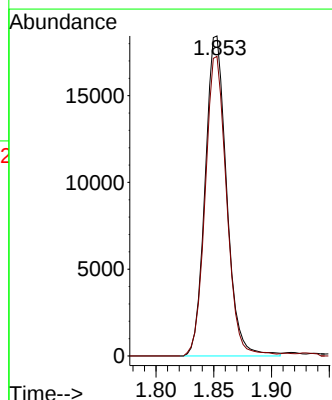
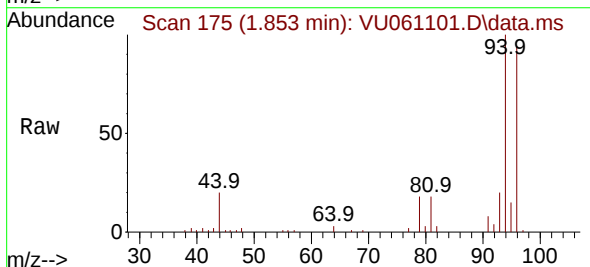
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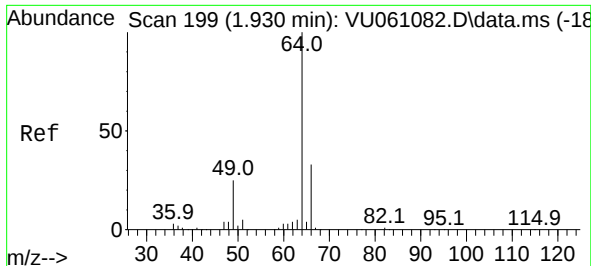
Tgt Ion: 94 Resp: 23874

Ion Ratio Lower Upper

94 100

96 93.6 67.3 124.9

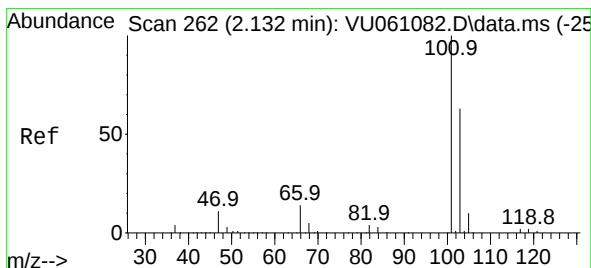
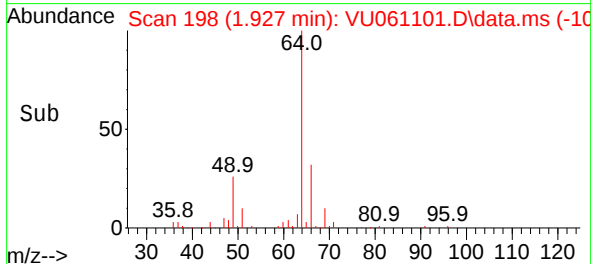
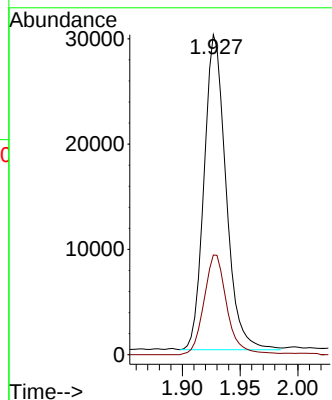
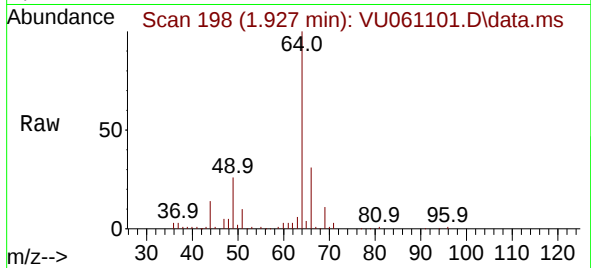




#8
Chloroethane
Concen: 5.379 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

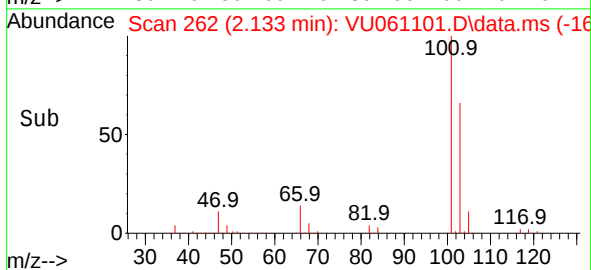
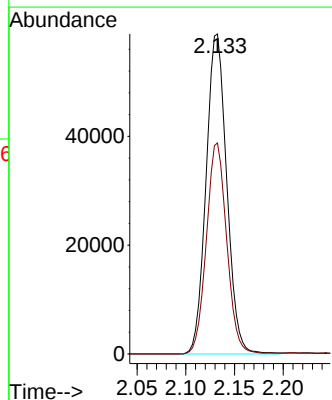
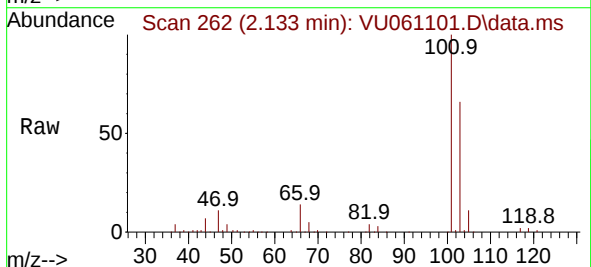
Instrument :
MSVOA_U
ClientSampleId :

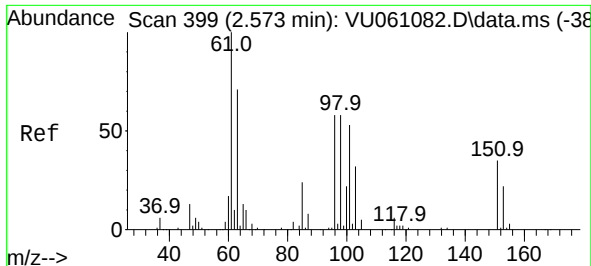
Tgt Ion: 64 Resp: 39582
Ion Ratio Lower Upper
64 100
66 31.1 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.569 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion:101 Resp: 86807
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.2

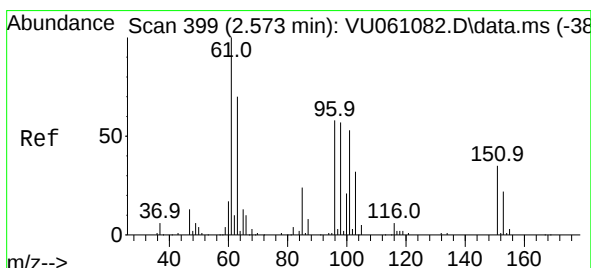
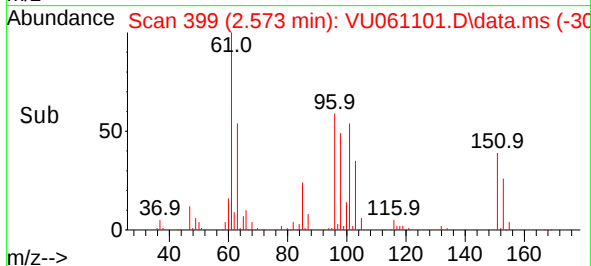
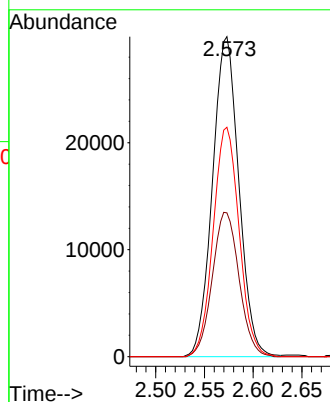
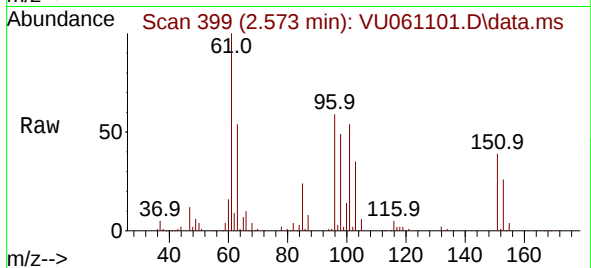




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.467 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU061101.D
 Acq: 10 Oct 2024 20:03

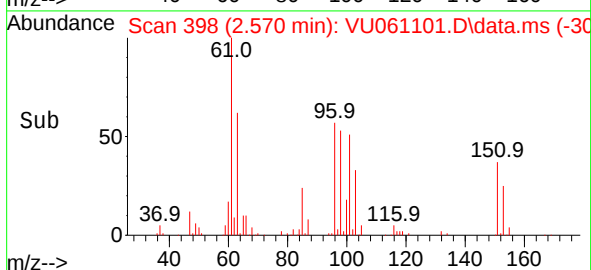
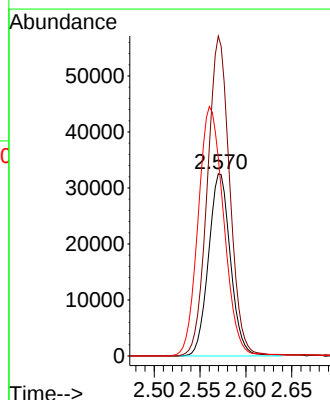
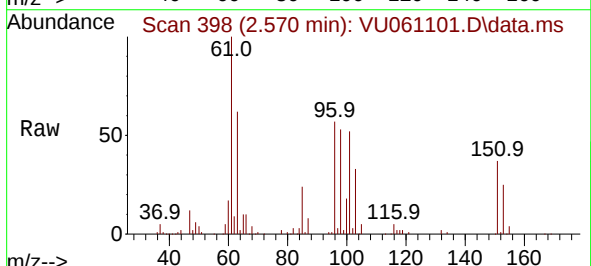
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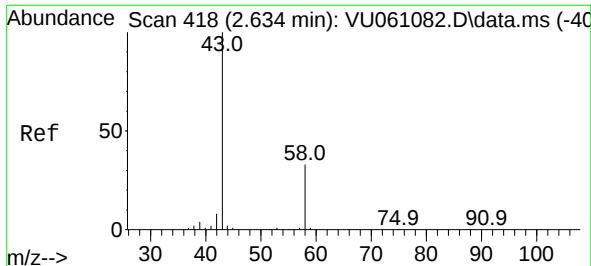
Tgt Ion:101 Resp: 56284
 Ion Ratio Lower Upper
 101 100
 85 45.8 34.2 51.4
 151 70.6 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 5.454 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU061101.D
 Acq: 10 Oct 2024 20:03

Tgt Ion: 96 Resp: 54071
 Ion Ratio Lower Upper
 96 100
 61 175.5 120.7 224.1
 63 108.8 90.0 167.2





#13

Acetone

Concen: 57.303 ug/L

RT: 2.670 min Scan# 41

Delta R.T. 0.036 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

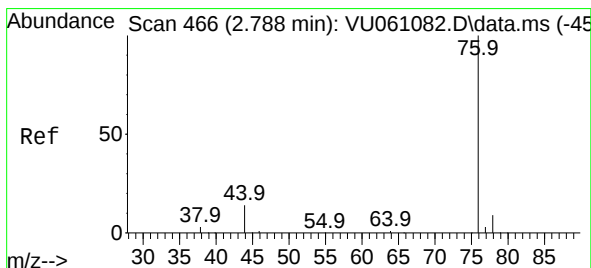
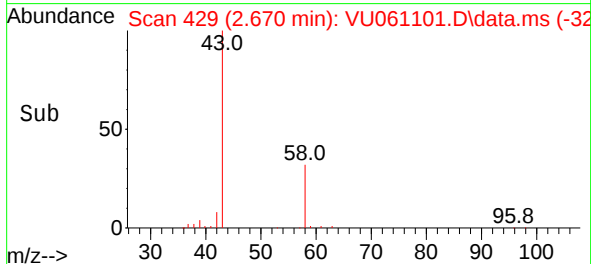
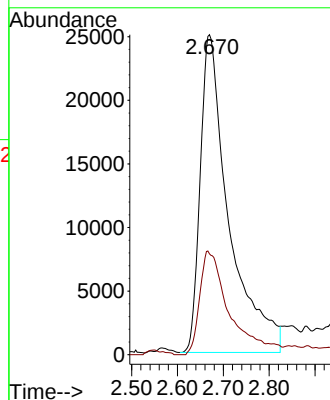
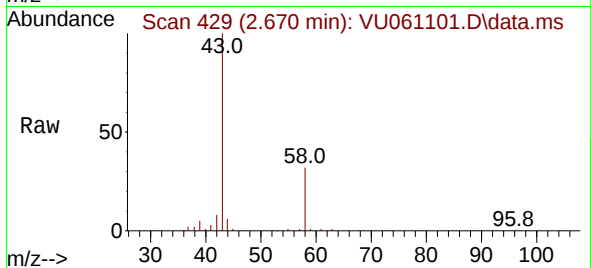
ClientSampleId :

Tgt Ion: 43 Resp: 108350

Ion Ratio Lower Upper

43 100

58 34.1 0.0 69.6



#14

Carbon disulfide

Concen: 5.353 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU061101.D

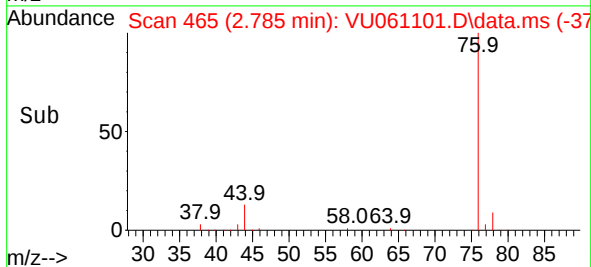
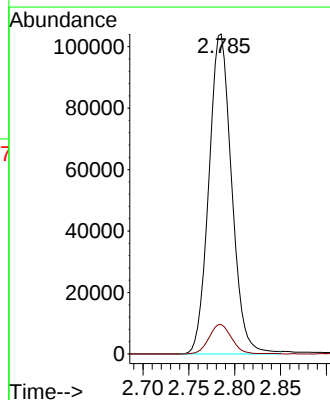
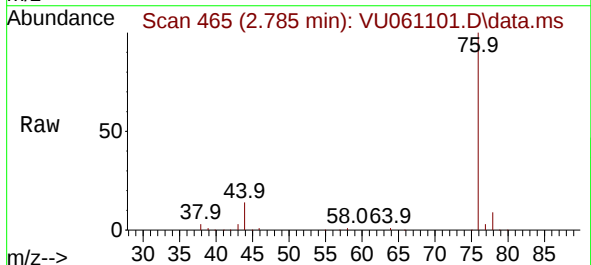
Acq: 10 Oct 2024 20:03

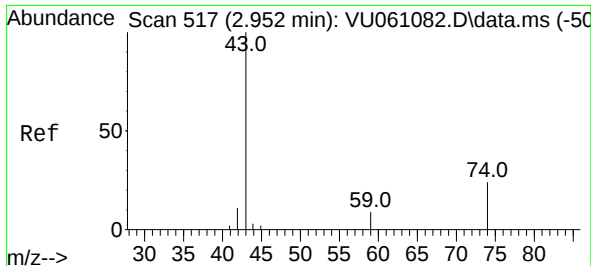
Tgt Ion: 76 Resp: 180324

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 5.971 ug/L

RT: 2.959 min Scan# 51

Delta R.T. 0.007 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

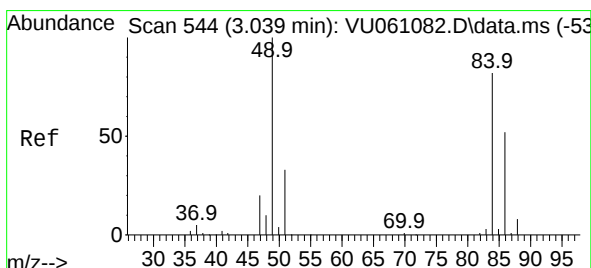
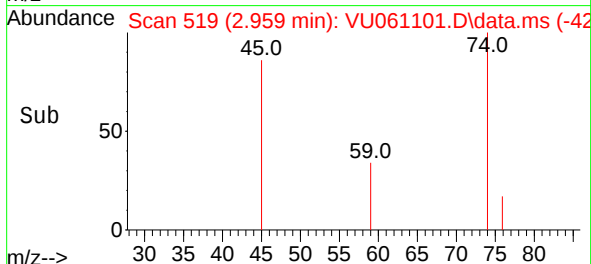
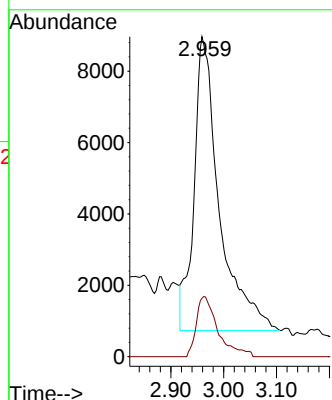
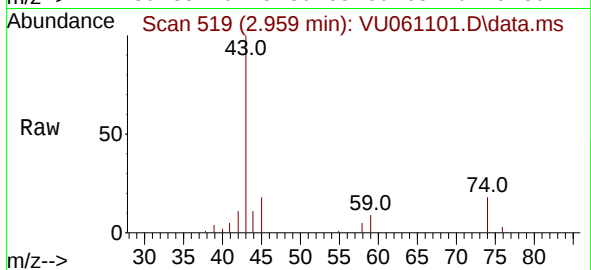
ClientSampleId :

Tgt Ion: 43 Resp: 27487

Ion Ratio Lower Upper

43 100

74 17.4 18.9 28.3#



#16

Methylene chloride

Concen: 5.295 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

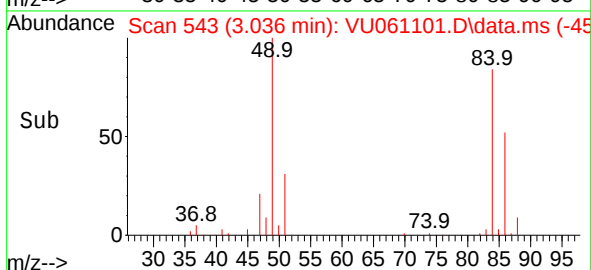
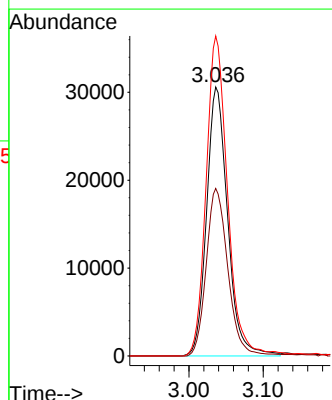
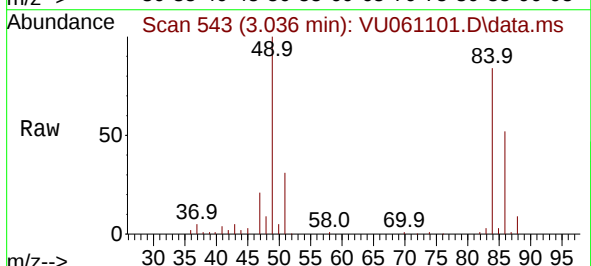
Tgt Ion: 84 Resp: 60263

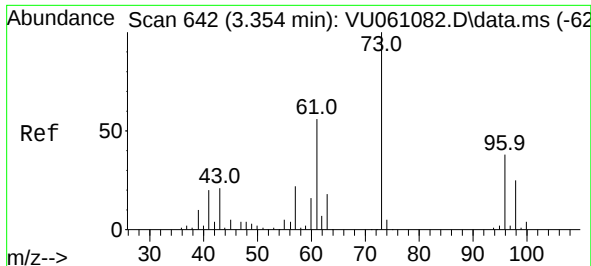
Ion Ratio Lower Upper

84 100

86 62.3 47.3 87.8

49 119.0 78.7 146.1

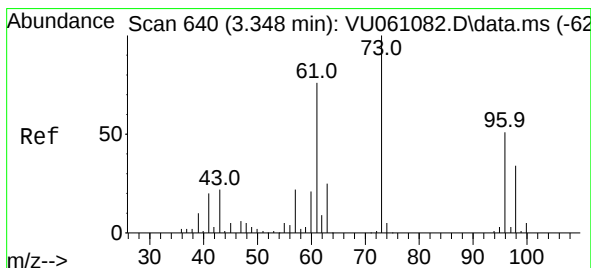
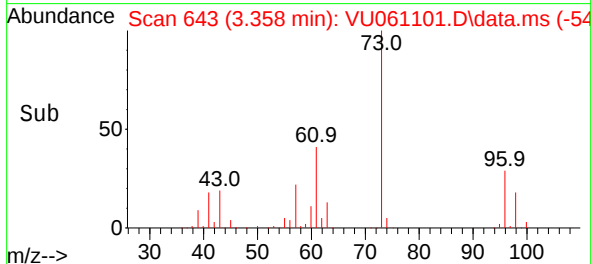
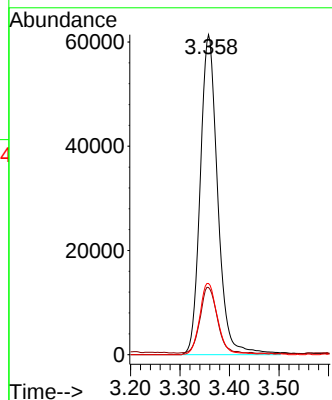
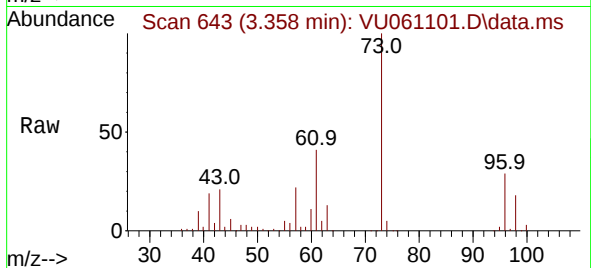




#17
Methyl tert-butyl Ether
Concen: 5.306 ug/L
RT: 3.358 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

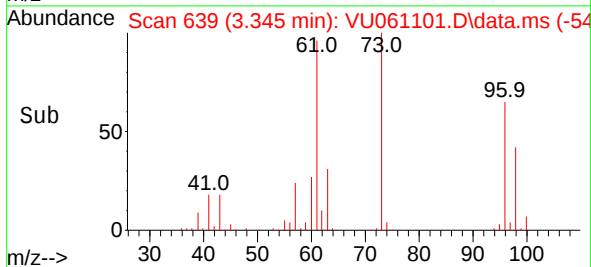
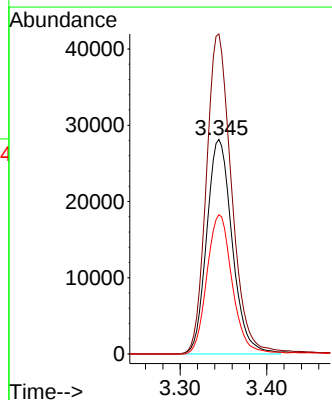
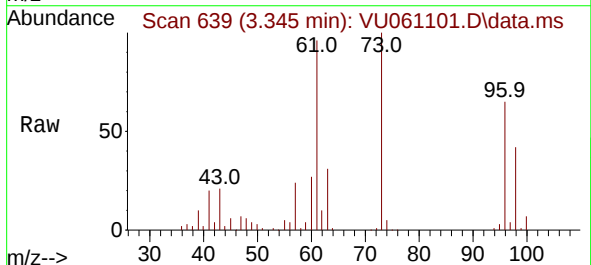
Instrument :
MSVOA_U
ClientSampleId :

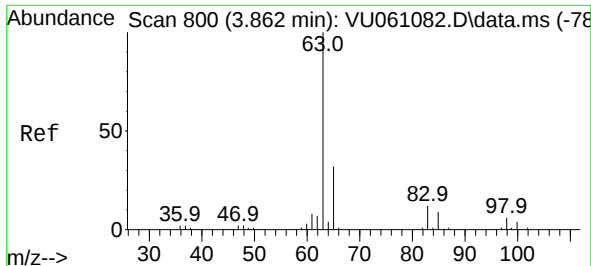
Tgt Ion: 73 Resp: 150505
Ion Ratio Lower Upper
73 100
43 20.1 13.8 20.8
57 22.7 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 5.300 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion: 96 Resp: 57595
Ion Ratio Lower Upper
96 100
61 149.2 97.2 180.6
98 64.9 43.3 80.5

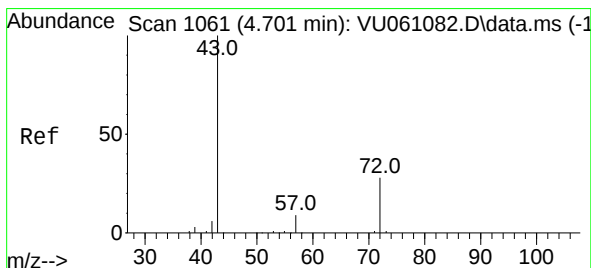
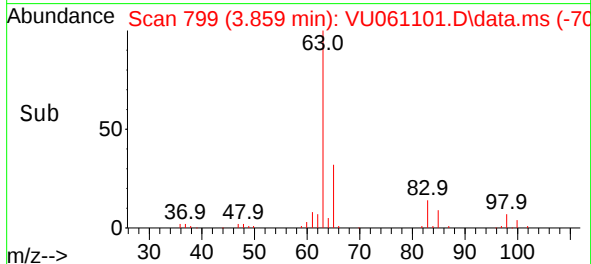
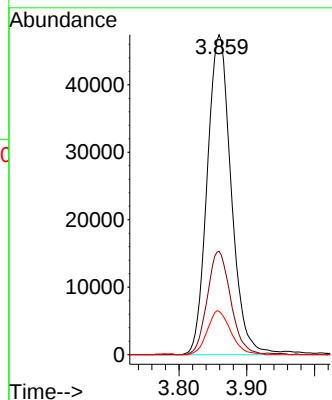
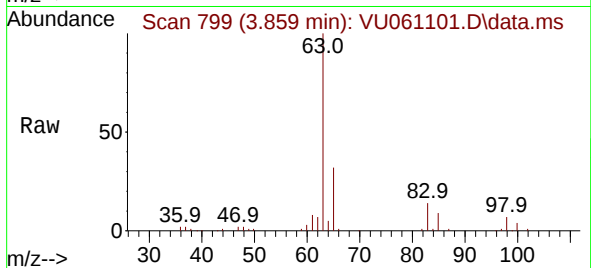




#19
1,1-Dichloroethane
Concen: 5.506 ug/L
RT: 3.859 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

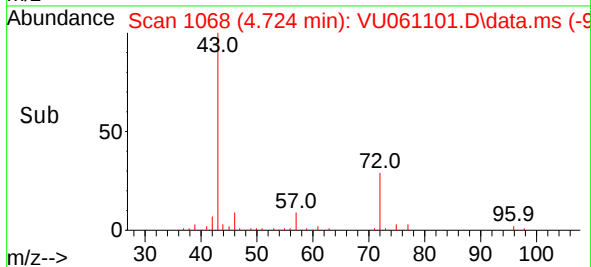
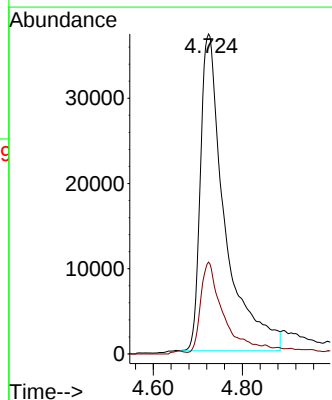
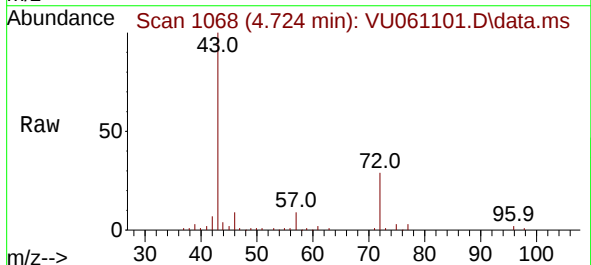
Instrument :
MSVOA_U
ClientSampleId :

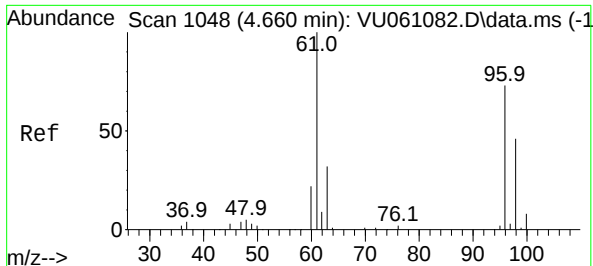
Tgt Ion: 63 Resp: 116427
Ion Ratio Lower Upper
63 100
65 32.3 23.0 42.8
83 13.6 9.0 16.6



#21
2-Butanone
Concen: 45.515 ug/L
RT: 4.724 min Scan# 1068
Delta R.T. 0.023 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion: 43 Resp: 141674
Ion Ratio Lower Upper
43 100
72 25.7 14.8 44.3

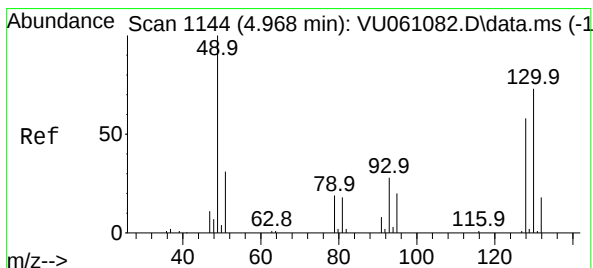
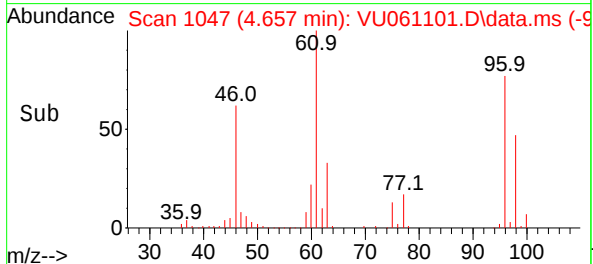
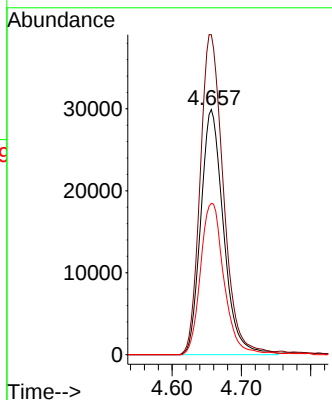
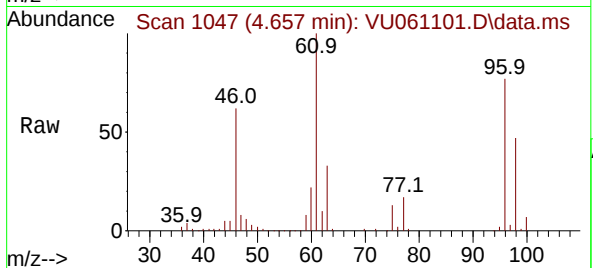




#22
 cis-1,2-Dichloroethene
 Concen: 5.657 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU061101.D
 Acq: 10 Oct 2024 20:03

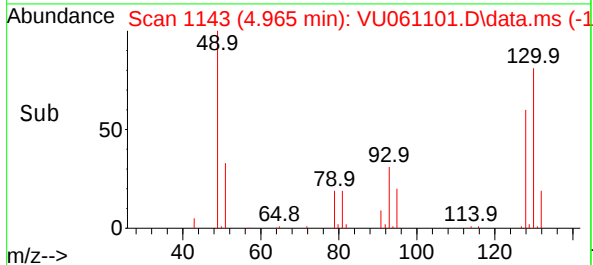
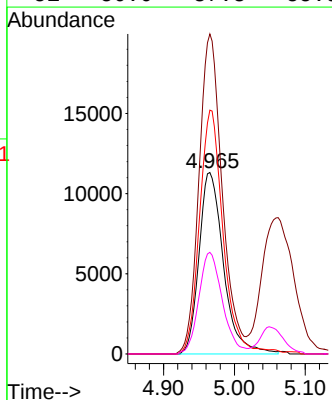
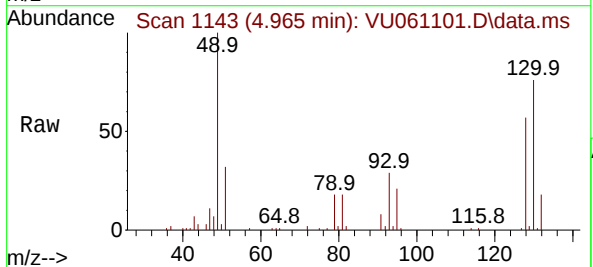
Instrument :
 MSVOA_U
 ClientSampleId :

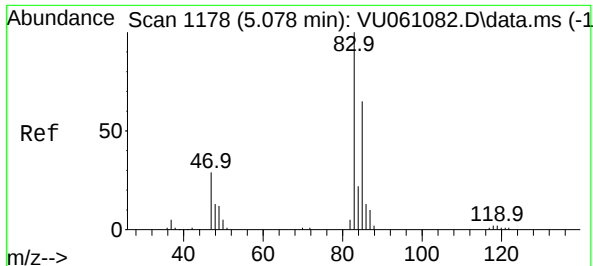
Tgt Ion: 96 Resp: 68466
 Ion Ratio Lower Upper
 96 100
 61 130.5 89.7 166.5
 98 61.8 45.1 83.9



#23
 Bromochloromethane
 Concen: 5.568 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU061101.D
 Acq: 10 Oct 2024 20:03

Tgt Ion:128 Resp: 27125
 Ion Ratio Lower Upper
 128 100
 49 176.3 109.6 203.6
 130 134.4 87.8 163.0
 51 56.0 37.3 55.9#

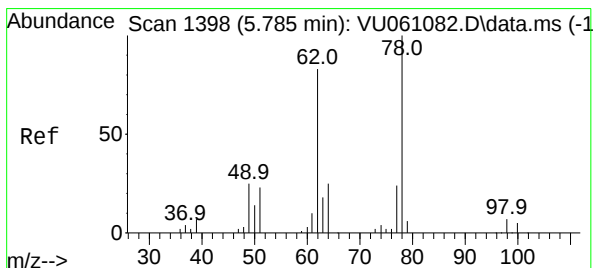
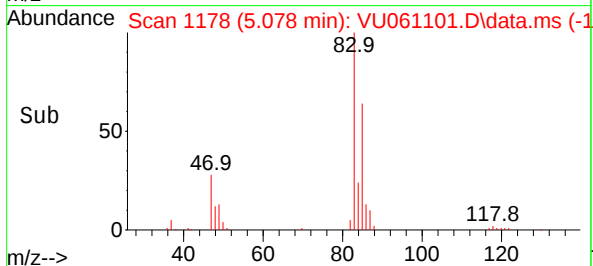
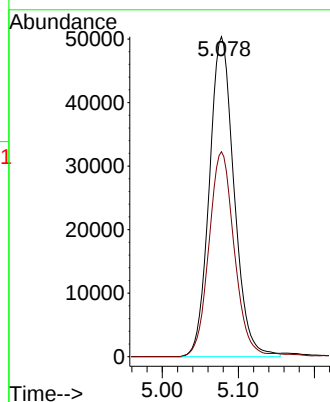
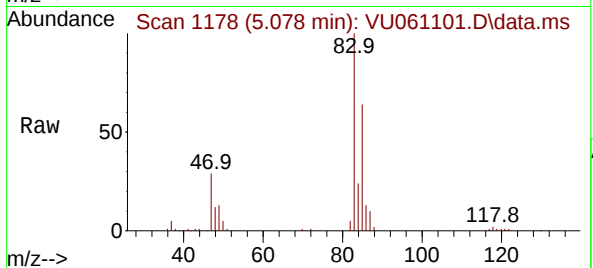




#25
Chloroform
Concen: 5.374 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

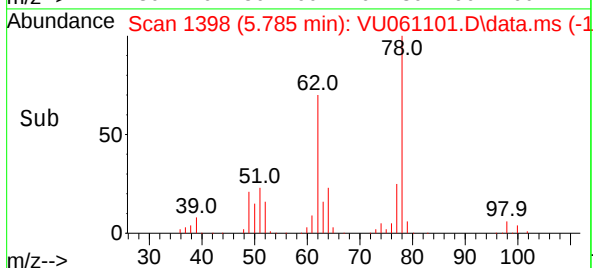
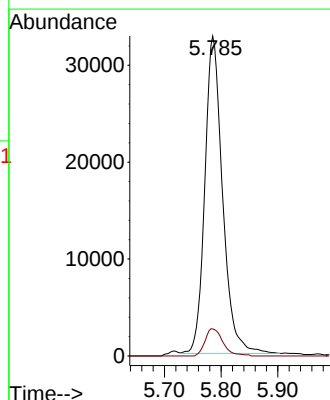
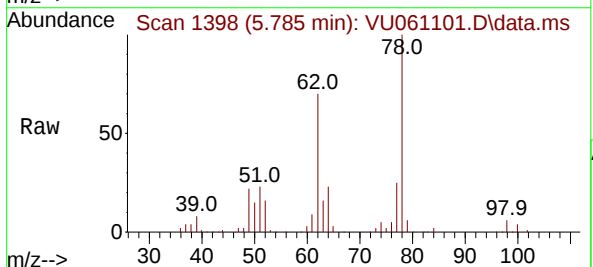
Instrument :
MSVOA_U
ClientSampleId :

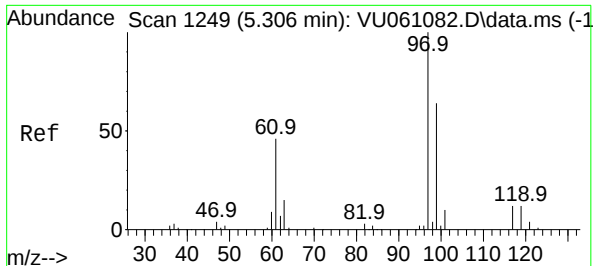
Tgt Ion: 83 Resp: 113845
Ion Ratio Lower Upper
83 100
85 64.1 46.8 86.8



#27
1,2-Dichloroethane
Concen: 5.113 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion: 62 Resp: 71342
Ion Ratio Lower Upper
62 100
98 8.4 8.2 12.4

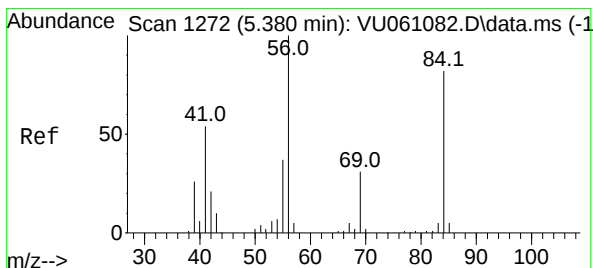
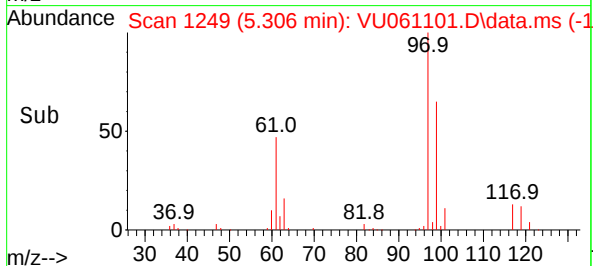
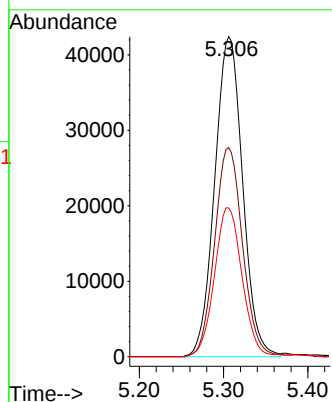
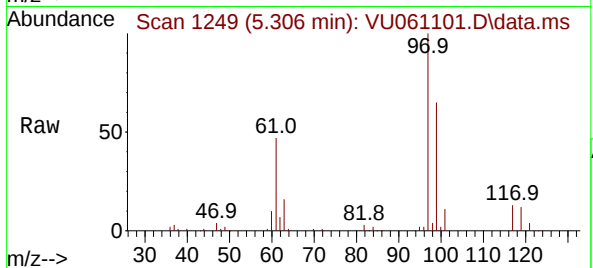




#29
1,1,1-Trichloroethane
Concen: 5.333 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

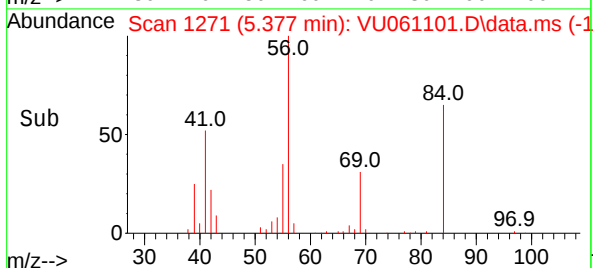
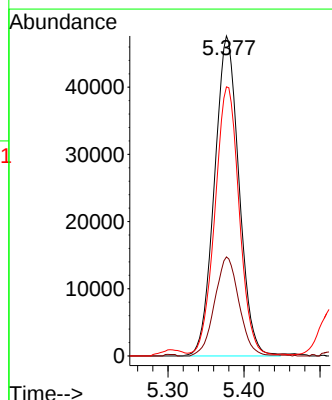
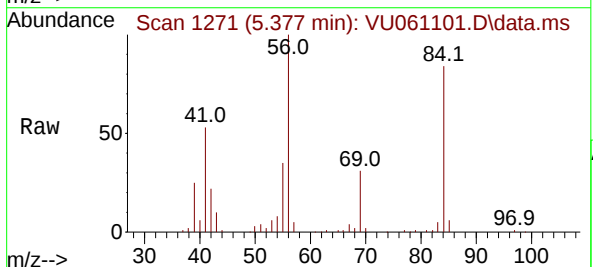
Instrument :
MSVOA_U
ClientSampleId :

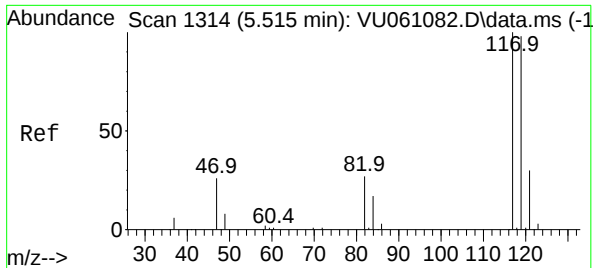
Tgt Ion:	97	Resp:	97615
Ion	Ratio	Lower	Upper
97	100		
99	65.4	50.5	75.7
61	46.2	34.4	51.6



#30
Cyclohexane
Concen: 5.237 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion:	56	Resp:	106799
Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.4	38.0
84	82.7	71.0	106.6

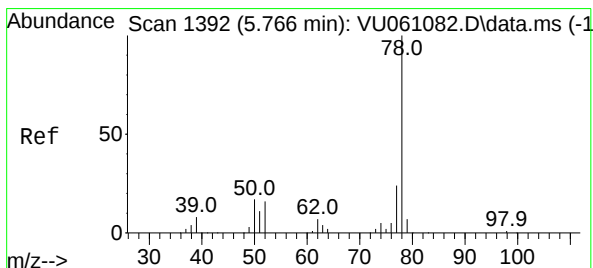
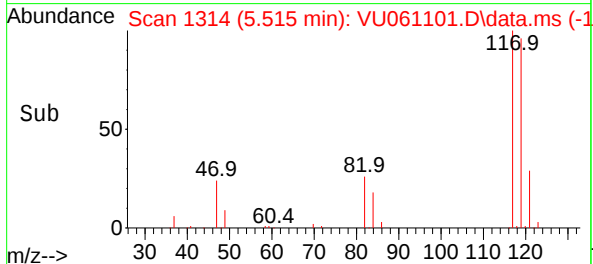
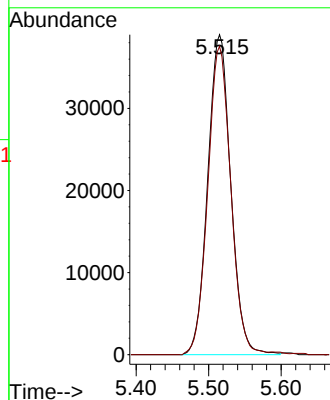
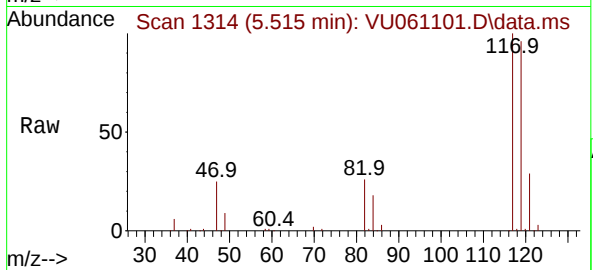




#31
Carbon tetrachloride
Concen: 5.533 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

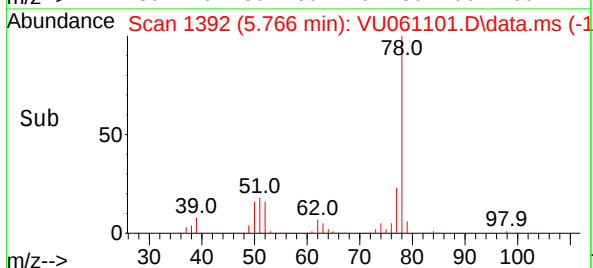
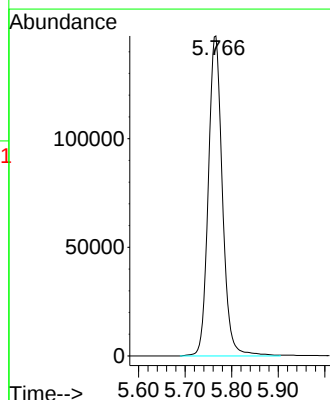
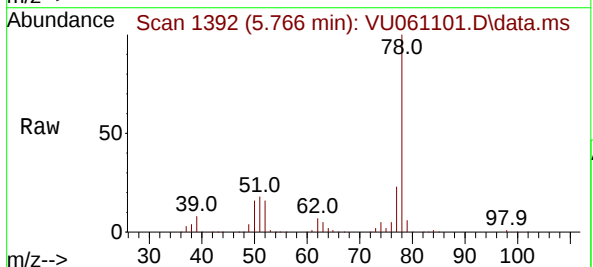
Instrument :
MSVOA_U
ClientSampleId :

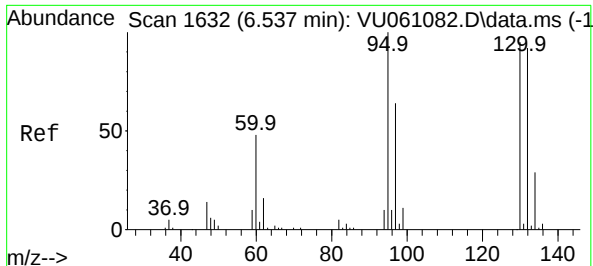
Tgt Ion:117 Resp: 85957
Ion Ratio Lower Upper
117 100
119 96.2 76.3 114.5



#33
Benzene
Concen: 6.652 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion: 78 Resp: 310205





#34

Trichloroethene

Concen: 5.357 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 67719

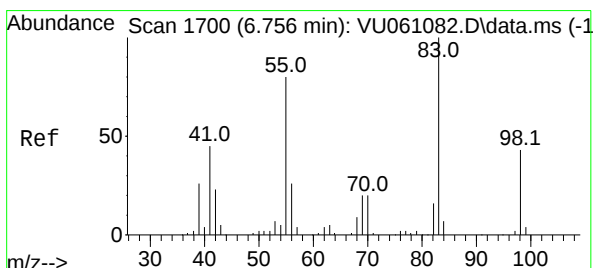
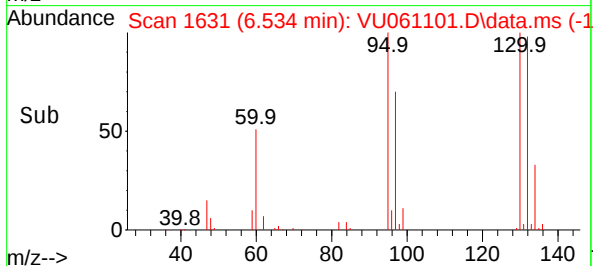
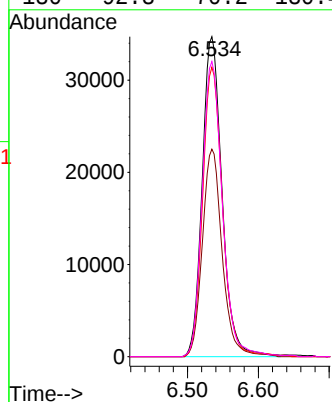
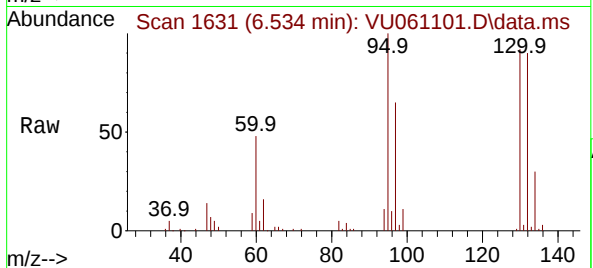
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.5

132 90.5 63.5 117.9

130 92.3 70.2 130.4



#35

Methylcyclohexane

Concen: 5.342 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

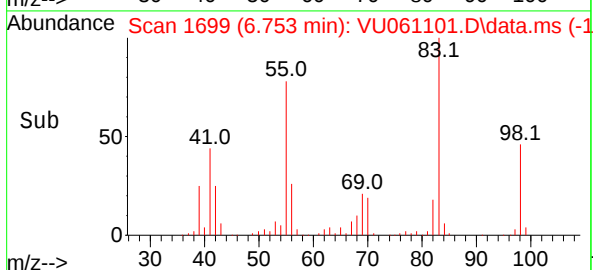
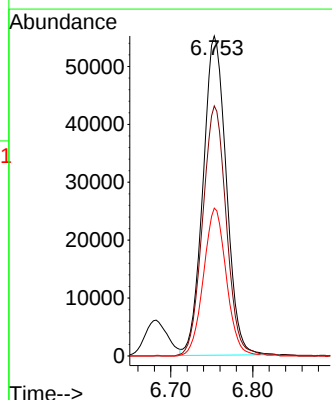
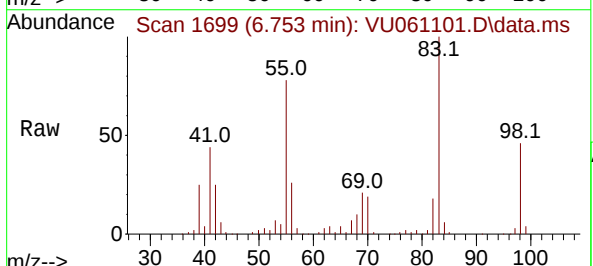
Tgt Ion: 83 Resp: 109068

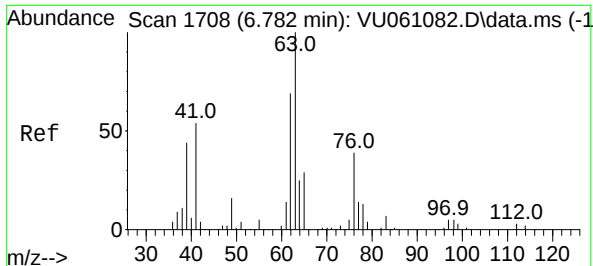
Ion Ratio Lower Upper

83 100

55 79.7 62.6 94.0

98 45.5 37.6 56.4

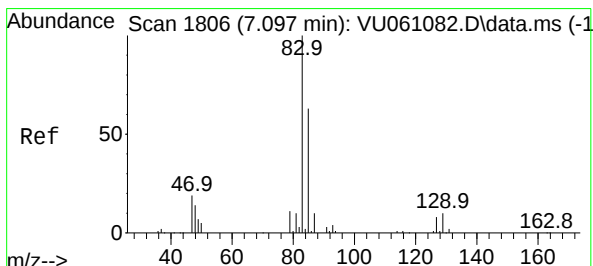
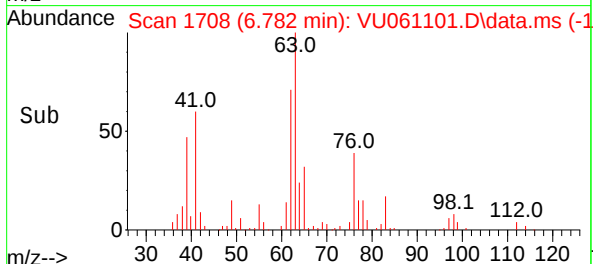
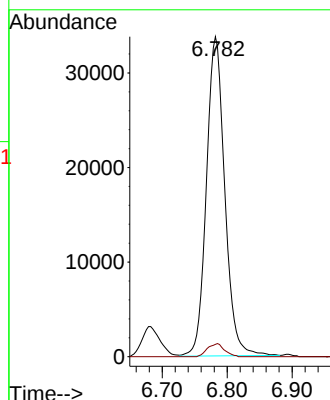
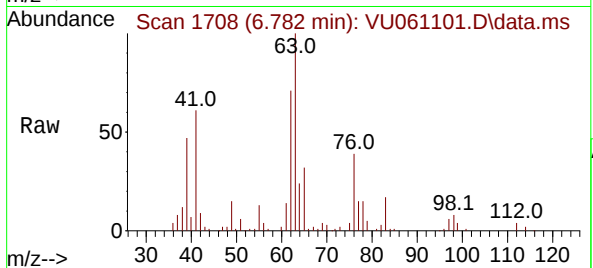




#37
1,2-Dichloropropane
Concen: 5.407 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

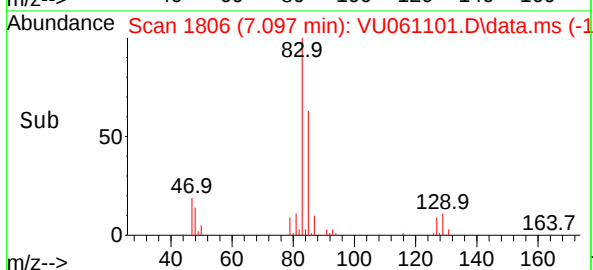
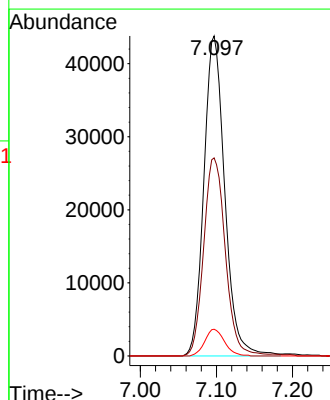
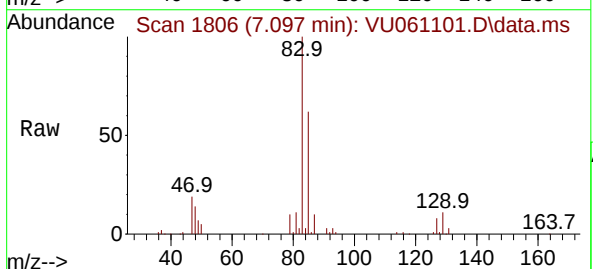
Instrument :
MSVOA_U
ClientSampleId :

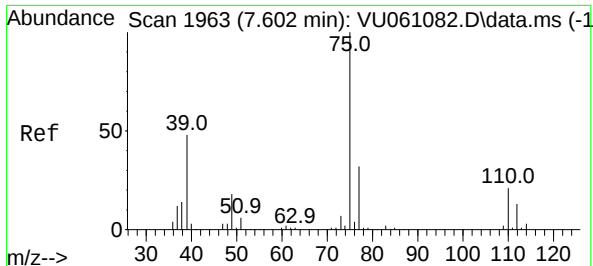
Tgt Ion: 63 Resp: 66446
Ion Ratio Lower Upper
63 100
112 3.8 2.0 3.0#



#38
Bromodichloromethane
Concen: 5.443 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion: 83 Resp: 83619
Ion Ratio Lower Upper
83 100
85 61.9 45.6 84.8
127 8.3 7.0 10.6

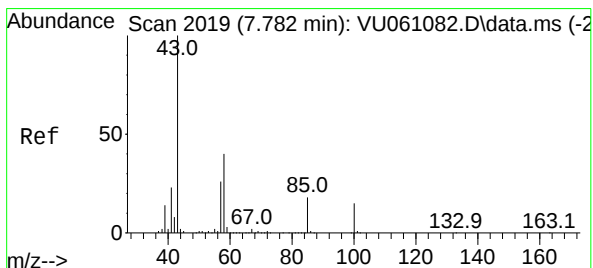
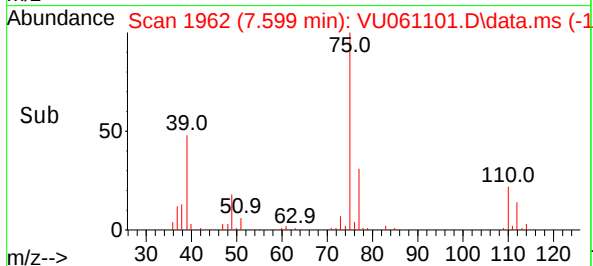
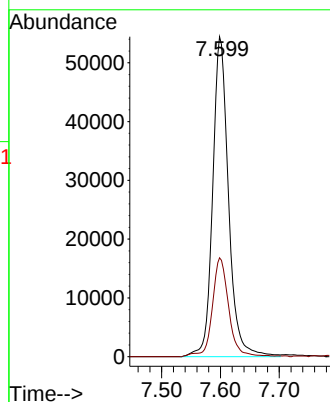
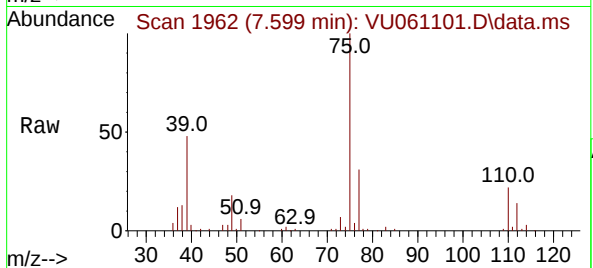




#39
 cis-1,3-Dichloropropene
 Concen: 5.287 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. -0.003 min
 Lab File: VU061101.D
 Acq: 10 Oct 2024 20:03

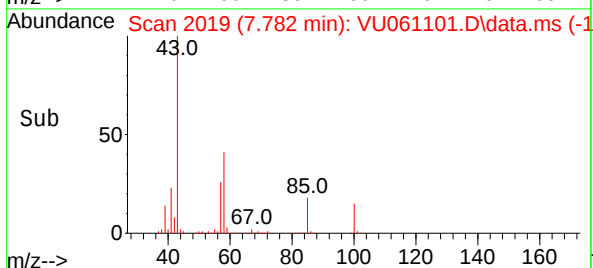
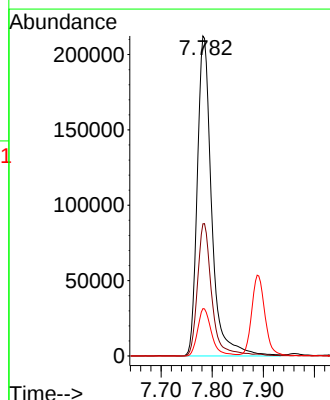
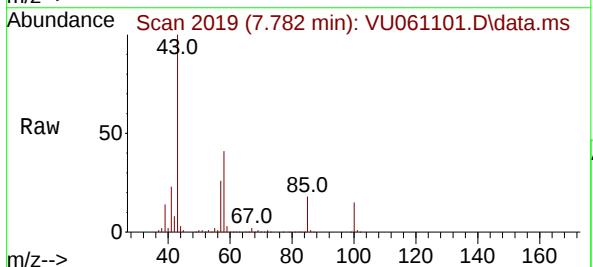
Instrument :
 MSVOA_U
 ClientSampleId :

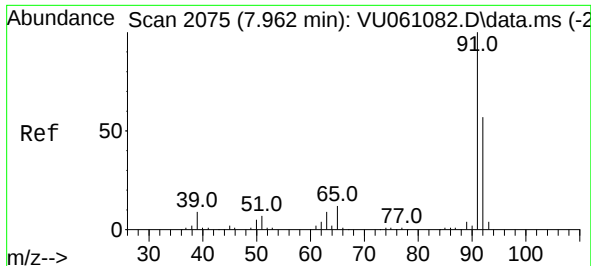
Tgt Ion: 75 Resp: 101880
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 52.728 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU061101.D
 Acq: 10 Oct 2024 20:03

Tgt Ion: 43 Resp: 415055
 Ion Ratio Lower Upper
 43 100
 58 40.9 34.9 52.3
 100 14.4 13.4 20.0





#42

Toluene

Concen: 5.793 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

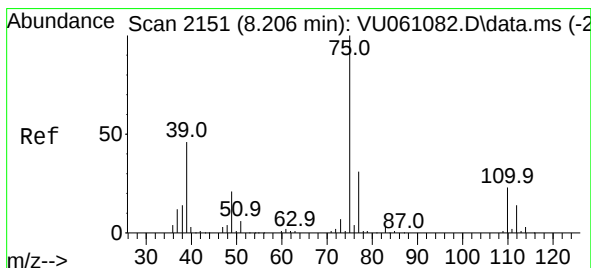
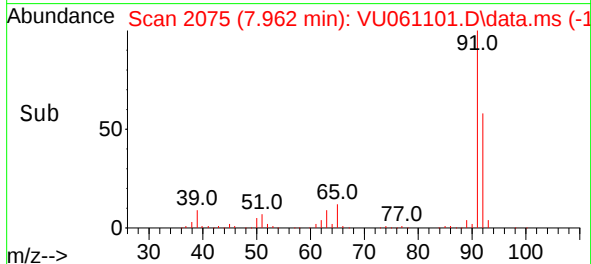
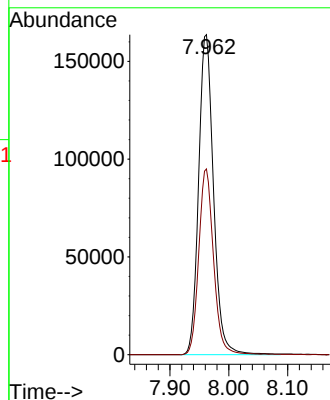
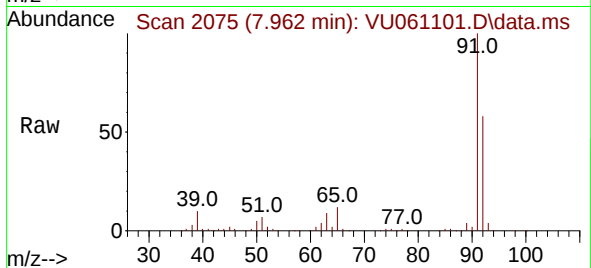
ClientSampleId :

Tgt Ion: 91 Resp: 287798

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.161 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU061101.D

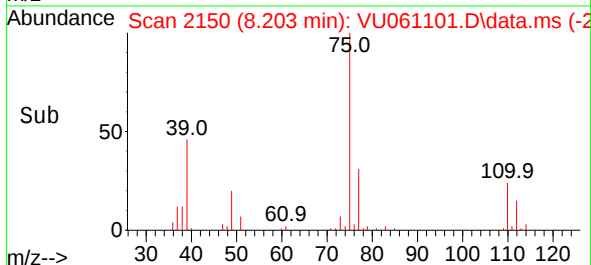
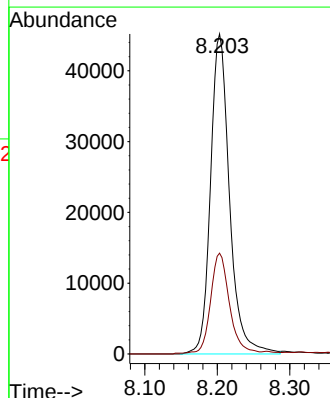
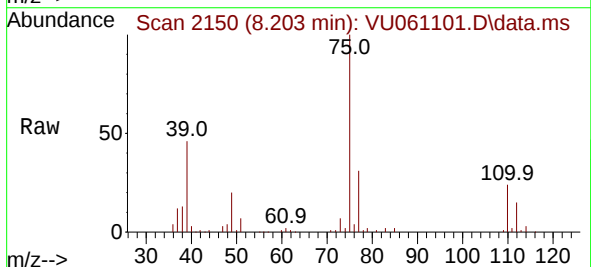
Acq: 10 Oct 2024 20:03

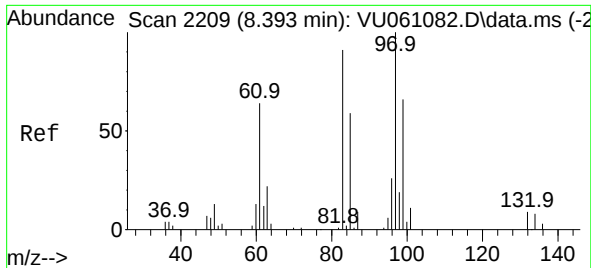
Tgt Ion: 75 Resp: 82238

Ion Ratio Lower Upper

75 100

77 31.5 23.1 42.9

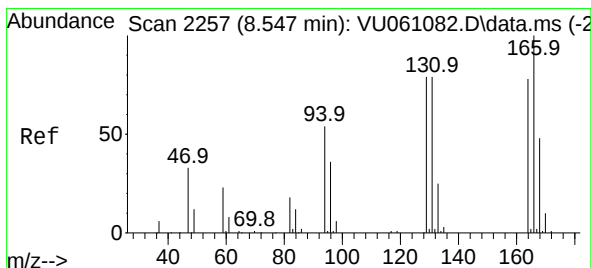
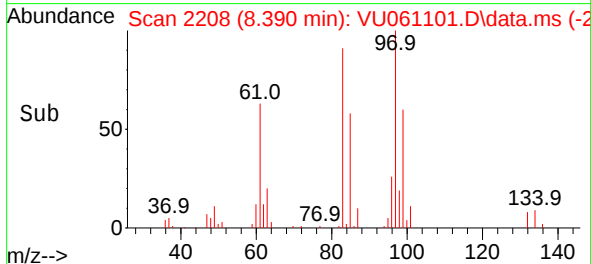
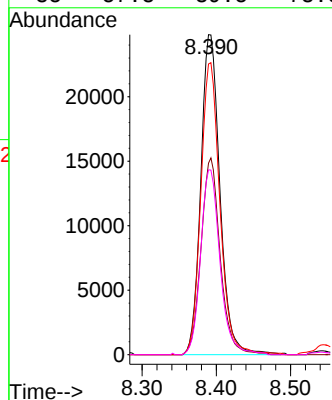
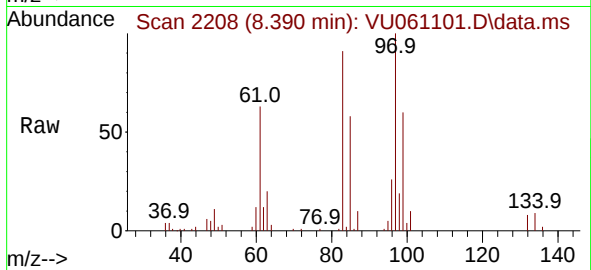




#45
1,1,2-Trichloroethane
Concen: 5.469 ug/L
RT: 8.390 min Scan# 2209
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

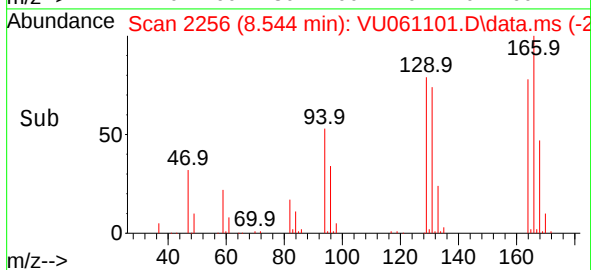
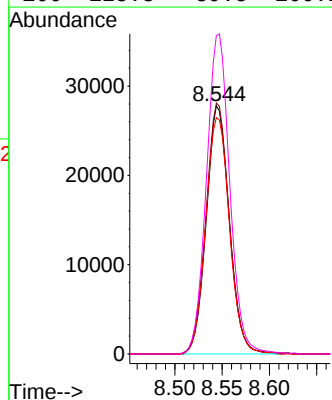
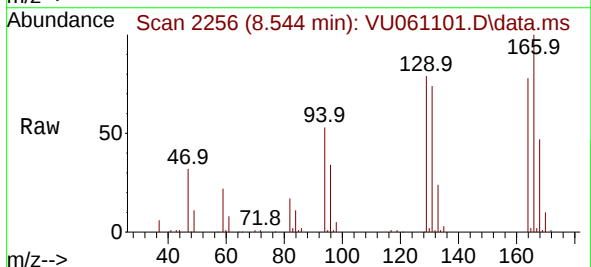
Instrument :
MSVOA_U
ClientSampleId :

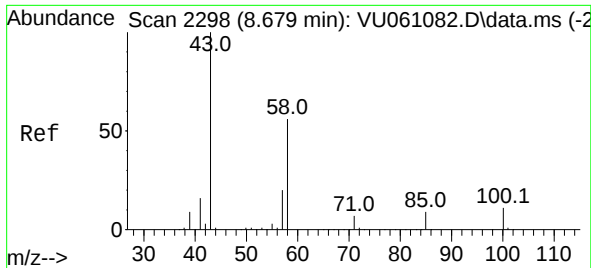
Tgt Ion:	97	Resp:	44545
Ion Ratio	Lower	Upper	
97	100		
99	59.8	42.3	78.5
83	90.8	61.7	114.5
85	57.8	39.5	73.3



#47
Tetrachloroethene
Concen: 5.716 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

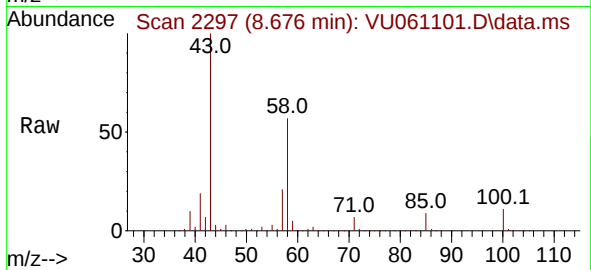
Tgt Ion:	164	Resp:	47026
Ion Ratio	Lower	Upper	
164	100		
129	101.1	67.3	124.9
131	95.2	65.4	121.4
166	128.3	89.5	166.1



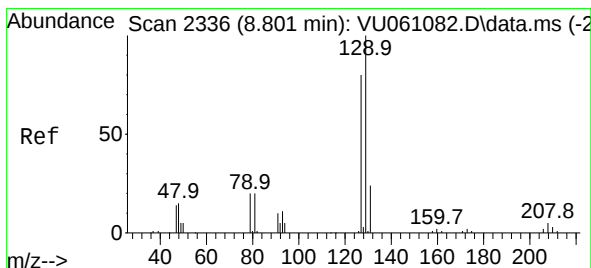
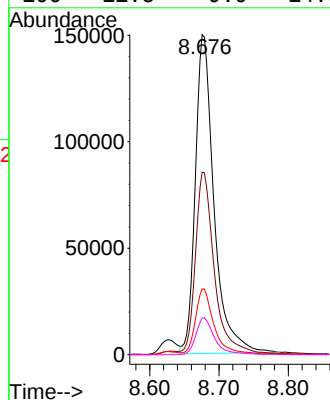
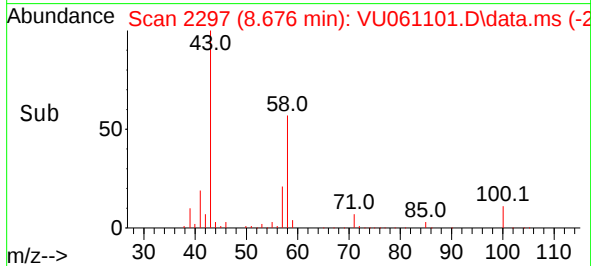


#48
2-Hexanone
Concen: 51.672 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Instrument :
MSVOA_U
ClientSampleId :

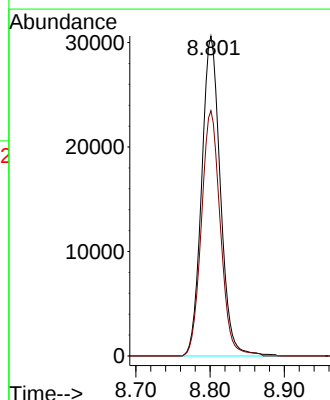
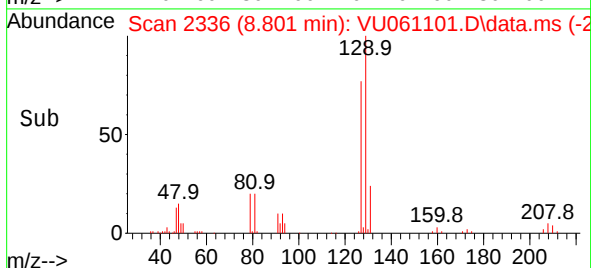
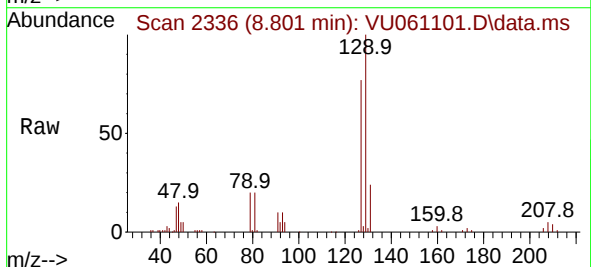


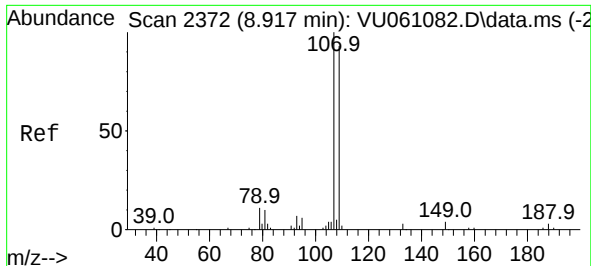
Tgt Ion: 43 Resp: 281995
Ion Ratio Lower Upper
43 100
58 58.1 48.3 72.5
57 19.9 15.9 23.9
100 11.5 9.9 14.9



#49
Dibromochloromethane
Concen: 5.660 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion: 129 Resp: 53636
Ion Ratio Lower Upper
129 100
127 76.7 56.1 104.1





#50

1,2-Dibromoethane

Concen: 5.483 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

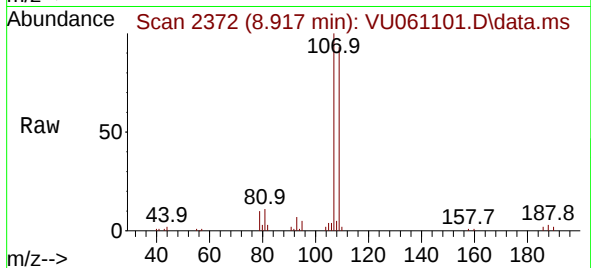
Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

ClientSampleId :



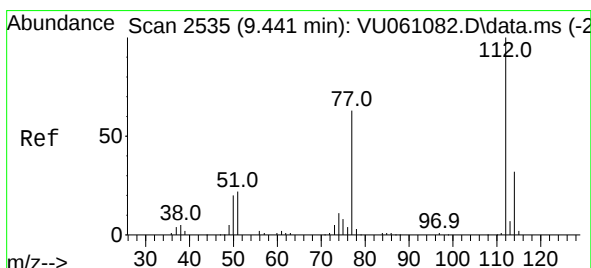
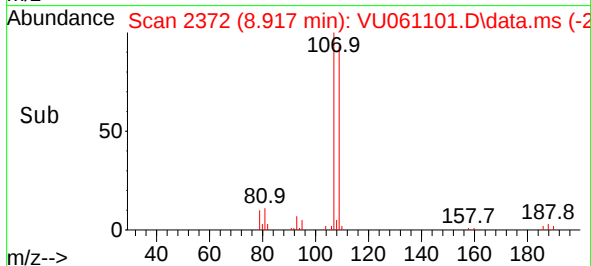
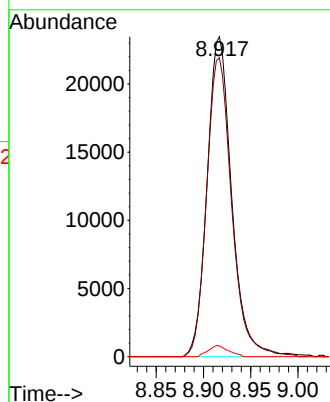
Tgt Ion:107 Resp: 42277

Ion Ratio Lower Upper

107 100

109 93.4 66.8 124.0

188 3.4 3.4 5.0



#51

Chlorobenzene

Concen: 5.688 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.003 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

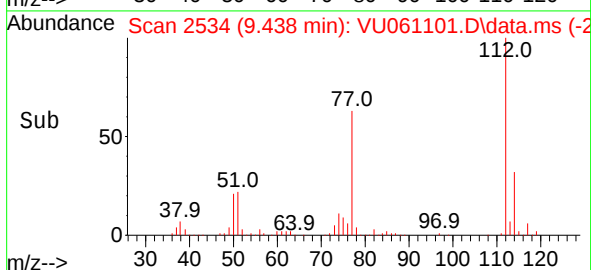
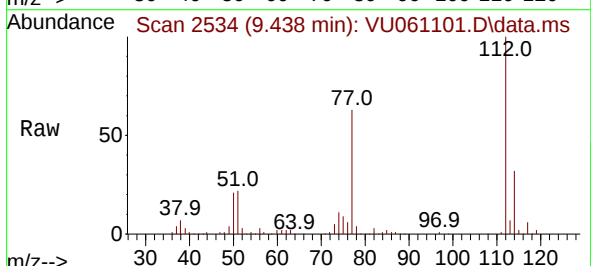
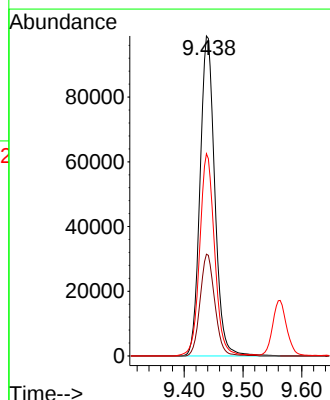
Tgt Ion:112 Resp: 172130

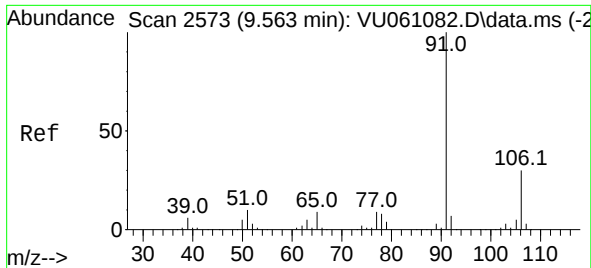
Ion Ratio Lower Upper

112 100

114 31.8 22.2 41.2

77 63.2 46.1 69.1

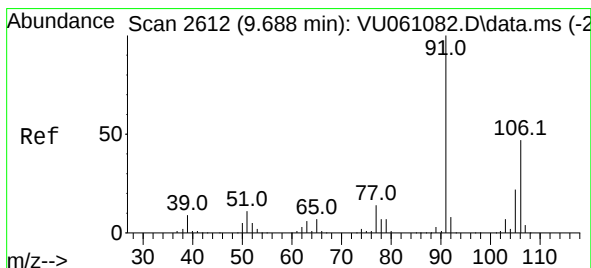
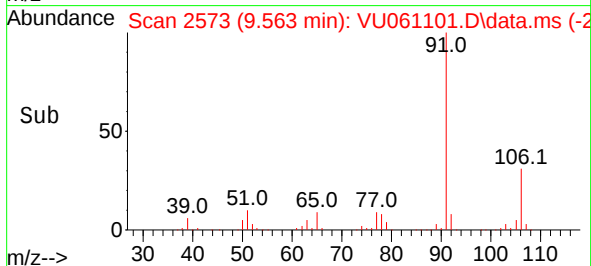
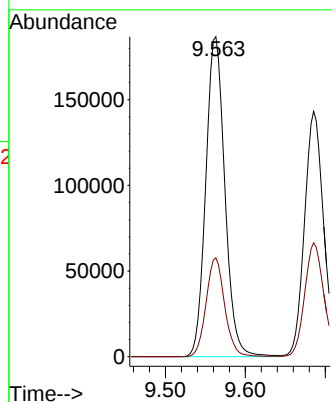
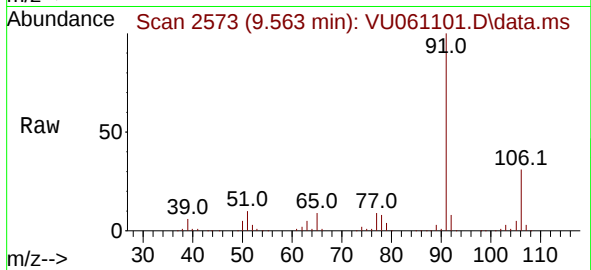




#52
Ethylbenzene
Concen: 5.515 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

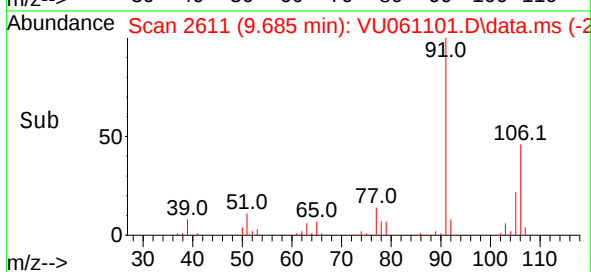
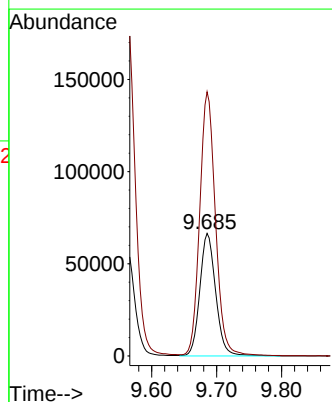
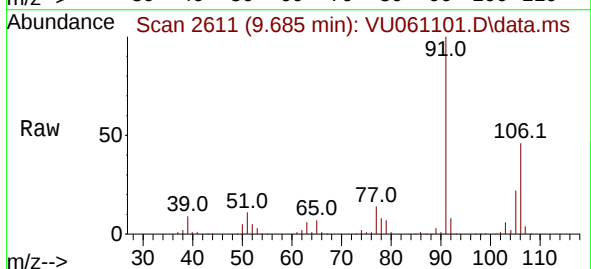
Instrument :
MSVOA_U
ClientSampleId :

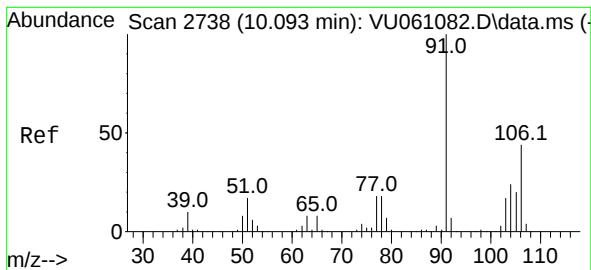
Tgt Ion: 91 Resp: 310496
Ion Ratio Lower Upper
91 100
106 30.9 21.8 40.6



#53
m,p-Xylene
Concen: 5.506 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion: 106 Resp: 113084
Ion Ratio Lower Upper
106 100
91 215.6 139.7 259.4





#54

o-Xylene

Concen: 5.584 ug/L

RT: 10.090 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

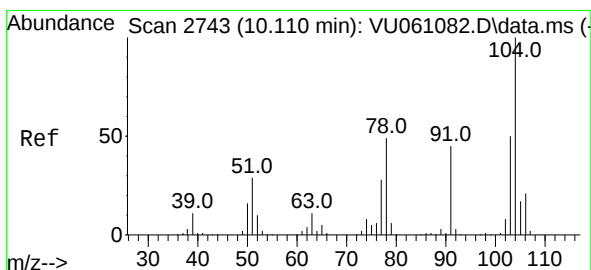
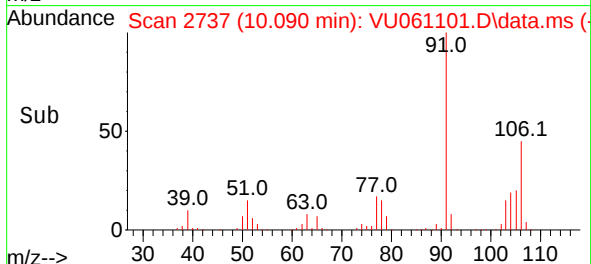
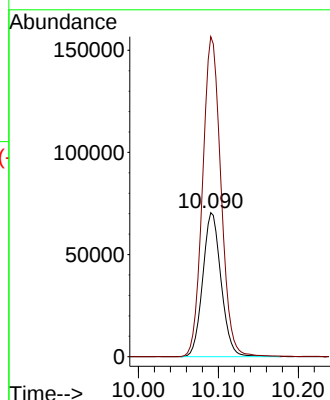
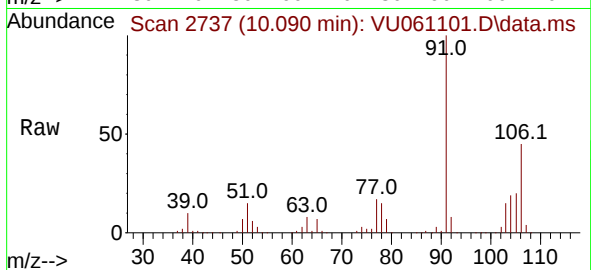
ClientSampleId :

Tgt Ion:106 Resp: 112828

Ion Ratio Lower Upper

106 100

91 222.1 148.6 276.0



#55

Styrene

Concen: 5.219 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. -0.003 min

Lab File: VU061101.D

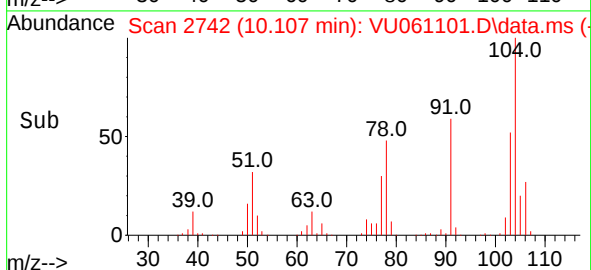
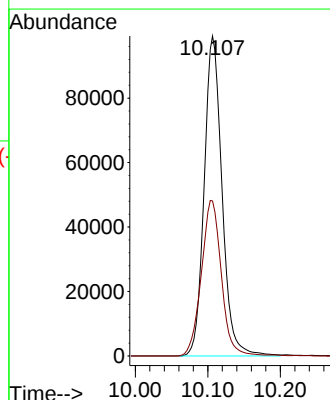
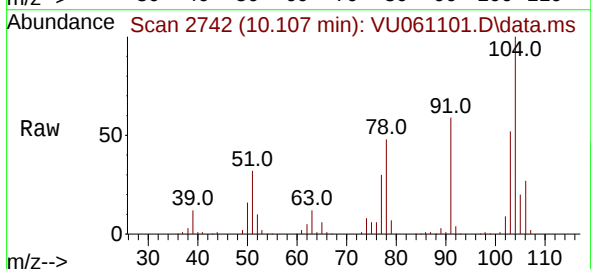
Acq: 10 Oct 2024 20:03

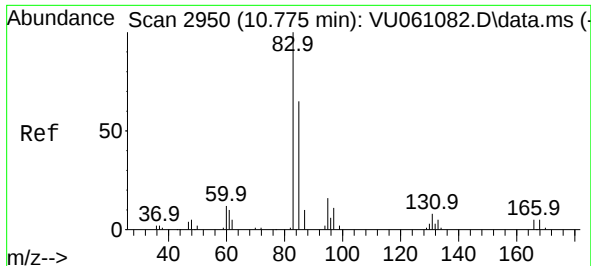
Tgt Ion:104 Resp: 170202

Ion Ratio Lower Upper

104 100

78 48.5 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.593 ug/L

RT: 10.772 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

ClientSampleId :

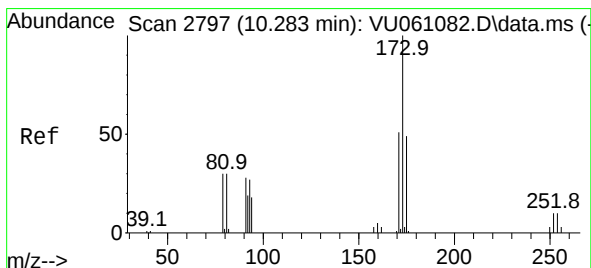
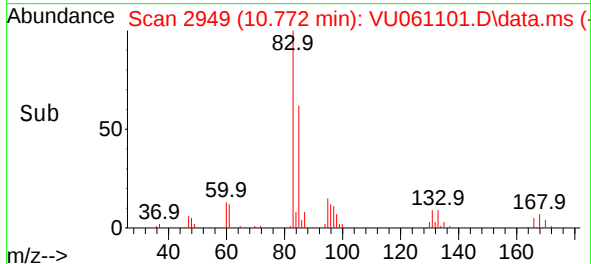
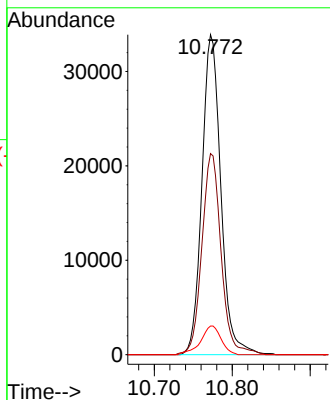
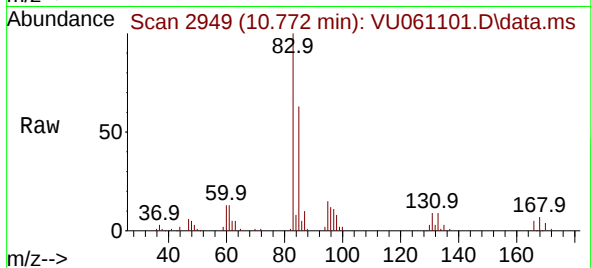
Tgt Ion: 83 Resp: 57244

Ion Ratio Lower Upper

83 100

85 62.9 42.9 79.7

131 9.0 8.4 12.6



#59

Bromoform

Concen: 5.340 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

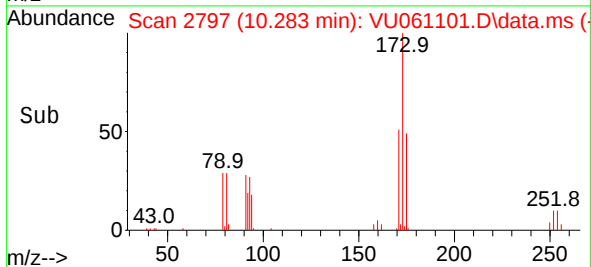
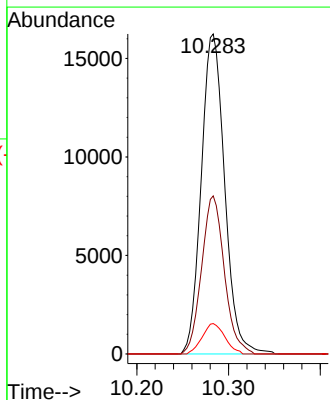
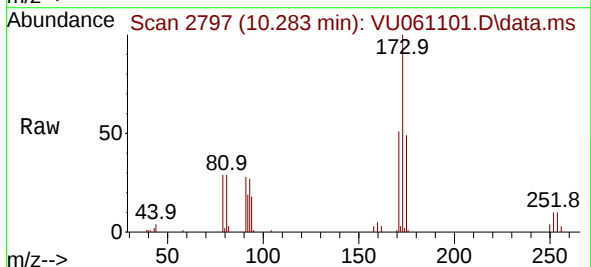
Tgt Ion:173 Resp: 28784

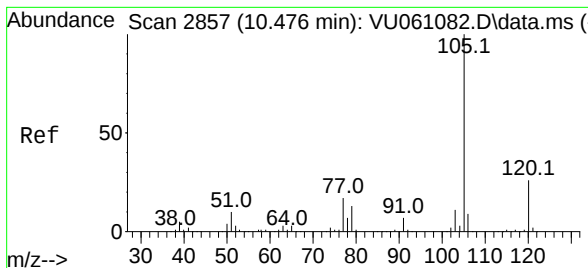
Ion Ratio Lower Upper

173 100

175 48.0 39.1 58.7

254 9.2 8.7 13.1





#60

Isopropylbenzene

Concen: 5.374 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

ClientSampleId :

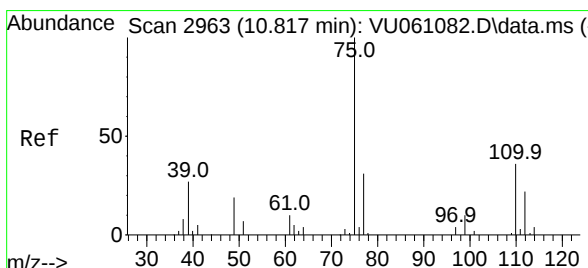
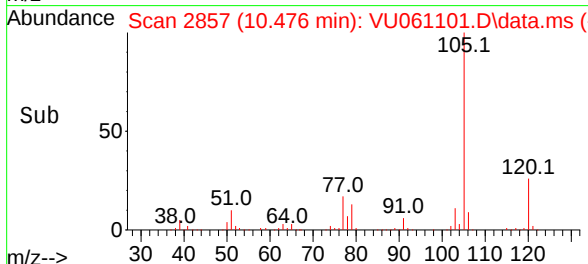
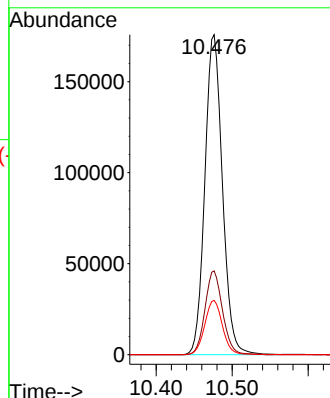
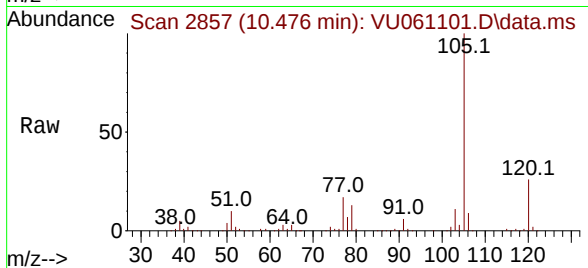
Tgt Ion:105 Resp: 282270

Ion Ratio Lower Upper

105 100

120 26.1 21.5 32.3

77 17.1 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 5.110 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.003 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

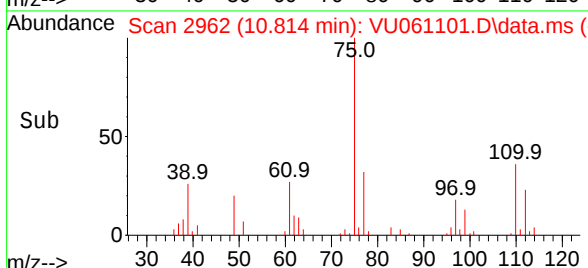
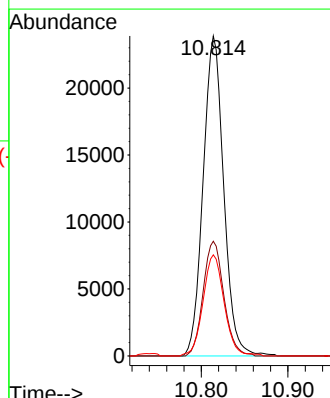
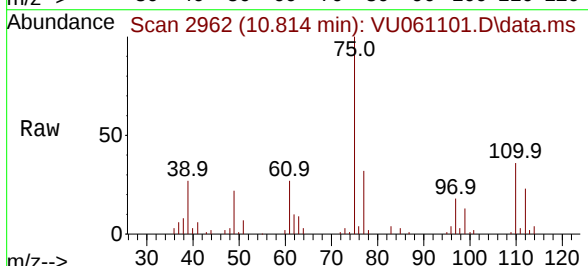
Tgt Ion: 75 Resp: 39424

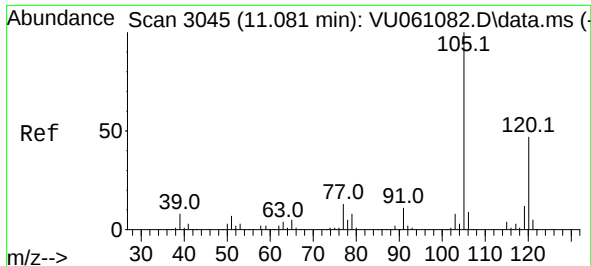
Ion Ratio Lower Upper

75 100

110 36.0 28.6 43.0

77 32.4 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.257 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

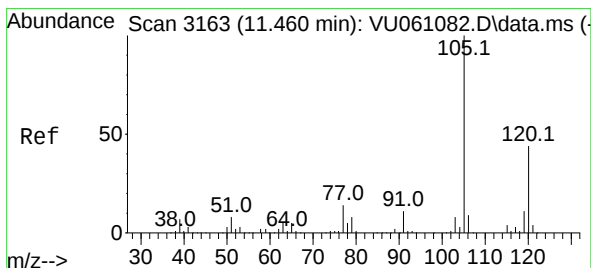
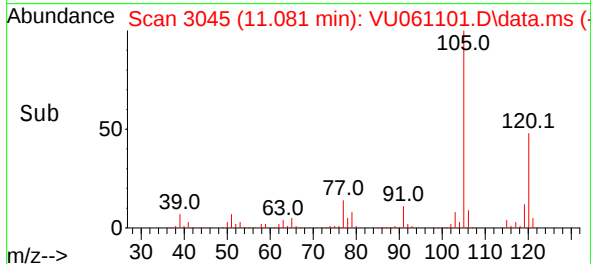
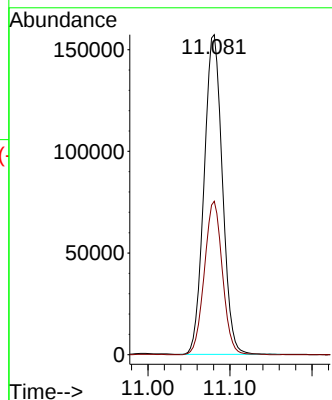
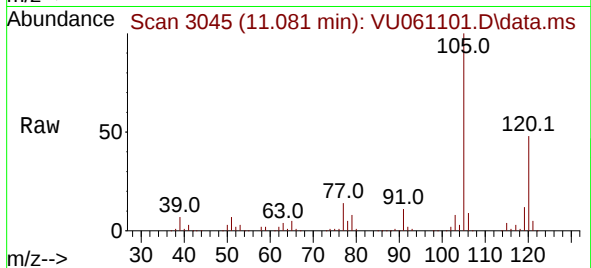
ClientSampleId :

Tgt Ion:105 Resp: 243311

Ion Ratio Lower Upper

105 100

120 47.4 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 5.325 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061101.D

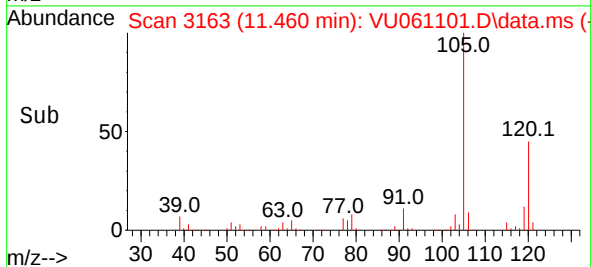
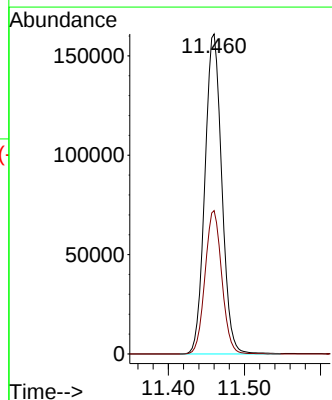
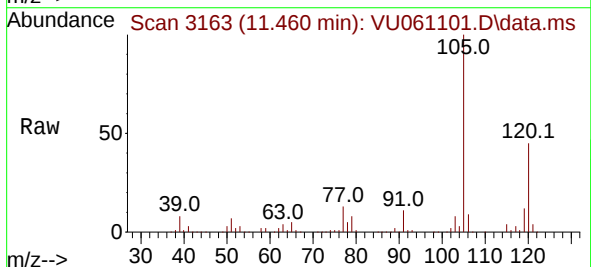
Acq: 10 Oct 2024 20:03

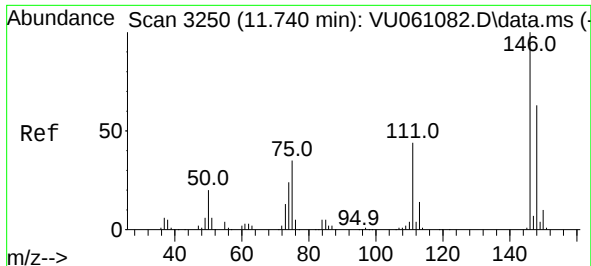
Tgt Ion:105 Resp: 248787

Ion Ratio Lower Upper

105 100

120 44.4 36.1 54.1

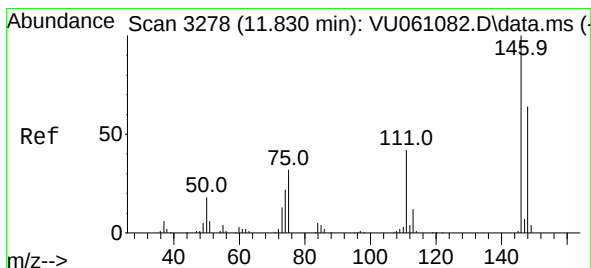
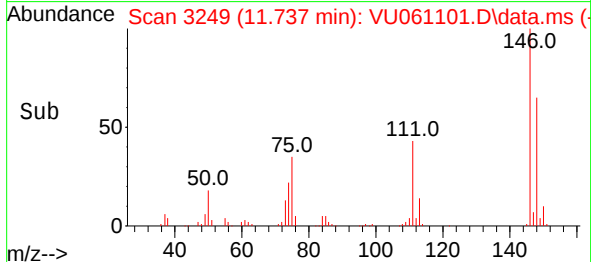
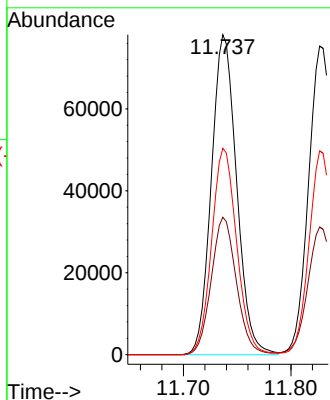
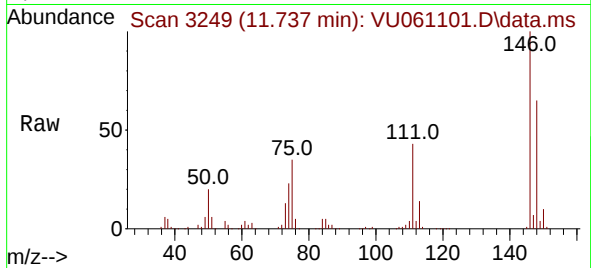




#64
1,3-Dichlorobenzene
Concen: 5.653 ug/L
RT: 11.737 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

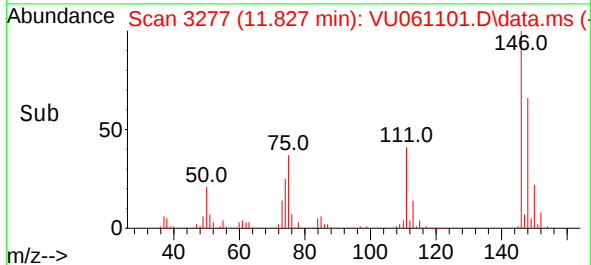
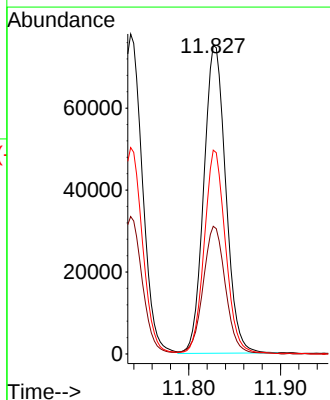
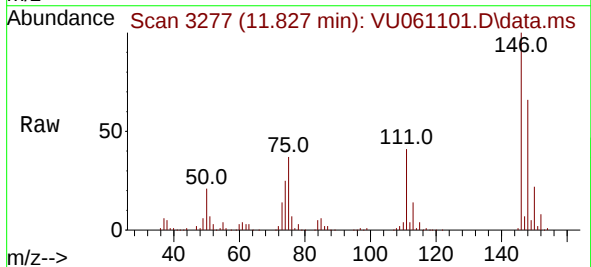
Instrument :
MSVOA_U
ClientSampleId :

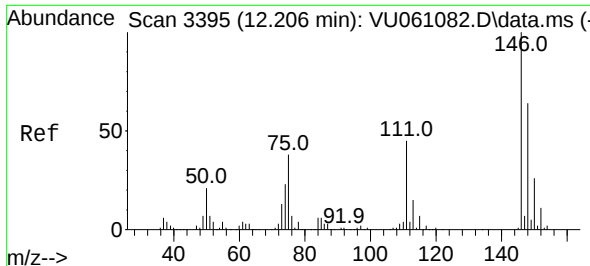
Tgt Ion:146 Resp: 127261
Ion Ratio Lower Upper
146 100
111 42.9 27.5 51.1
148 64.5 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 5.620 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.003 min
Lab File: VU061101.D
Acq: 10 Oct 2024 20:03

Tgt Ion:146 Resp: 125061
Ion Ratio Lower Upper
146 100
111 41.4 26.3 48.9
148 66.0 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 5.644 ug/L

RT: 12.203 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

ClientSampleId :

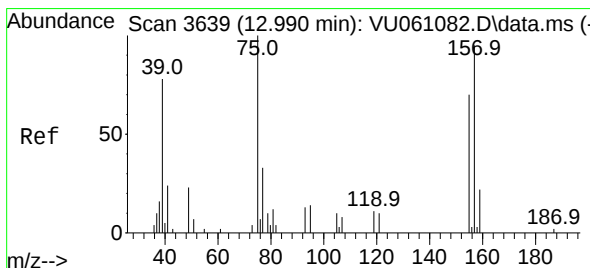
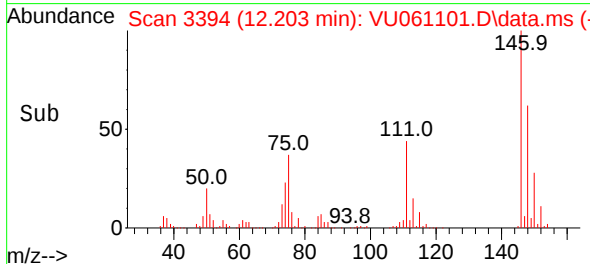
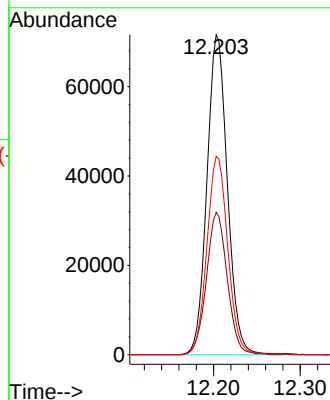
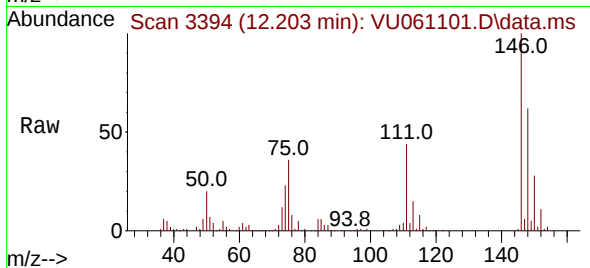
Tgt Ion:146 Resp: 117425

Ion Ratio Lower Upper

146 100

111 44.4 33.4 50.0

148 61.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.210 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

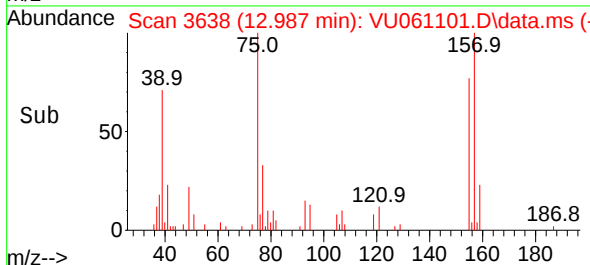
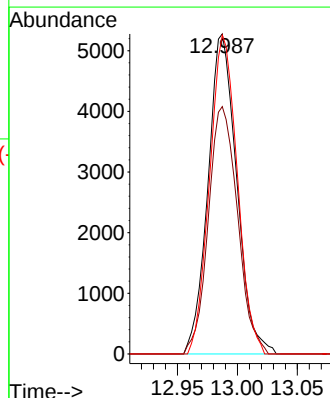
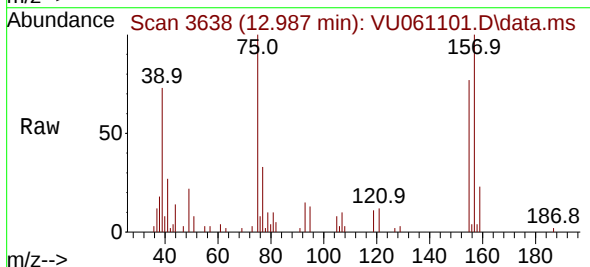
Tgt Ion: 75 Resp: 8766

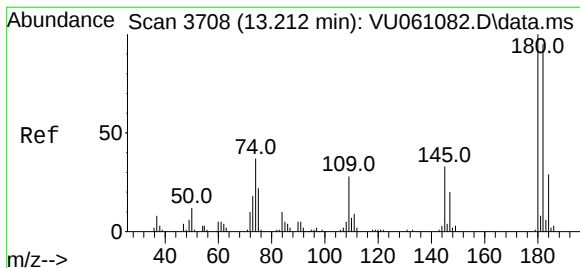
Ion Ratio Lower Upper

75 100

155 77.3 73.1 109.7

157 99.6 91.0 136.4





#69

1,3,5-Trichlorobenzene

Concen: 5.807 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

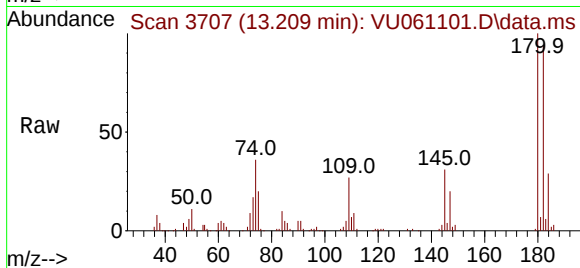
Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 92054

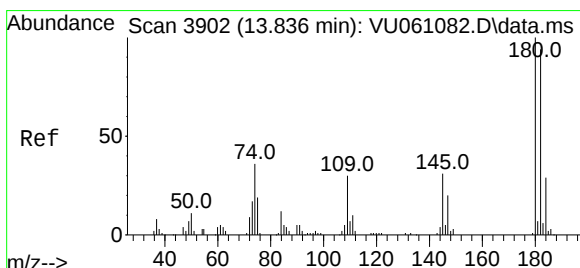
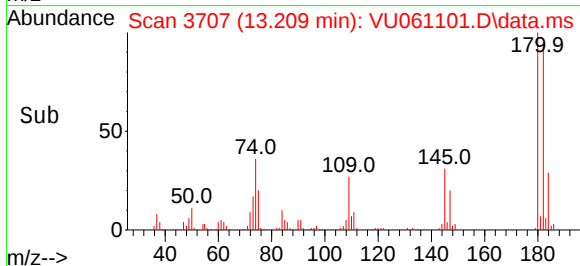
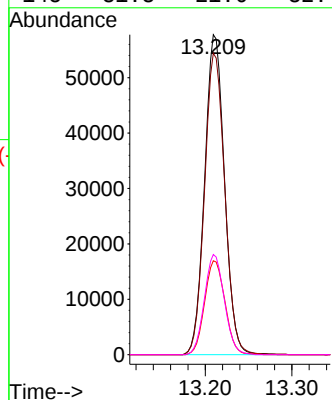
Ion Ratio Lower Upper

180 100

182 95.8 74.5 111.7

184 30.0 23.2 34.8

145 31.3 21.6 32.4



#70

1,2,4-trichlorobenzene

Concen: 6.375 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.006 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

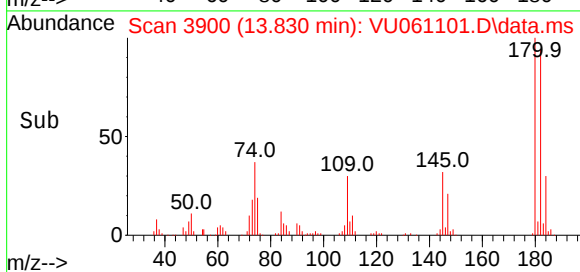
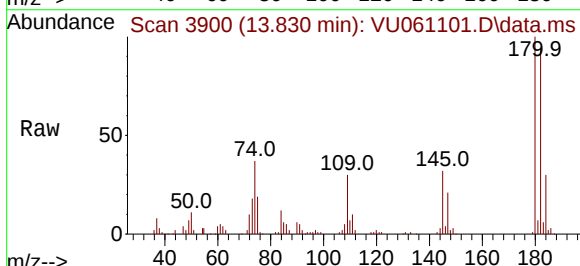
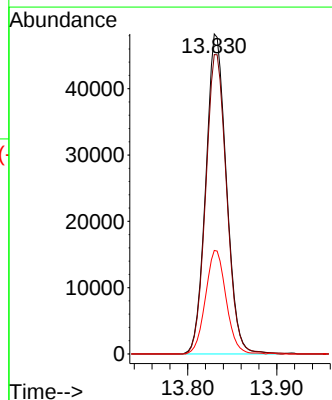
Tgt Ion:180 Resp: 77440

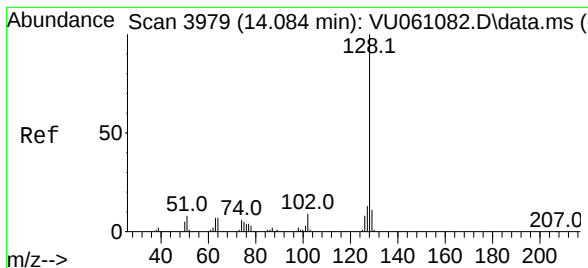
Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.2

145 32.4 22.9 34.3





#71

Naphthalene

Concen: 10.969 ug/L

RT: 14.077 min Scan# 3977

Delta R.T. -0.006 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Instrument :

MSVOA_U

ClientSampleId :

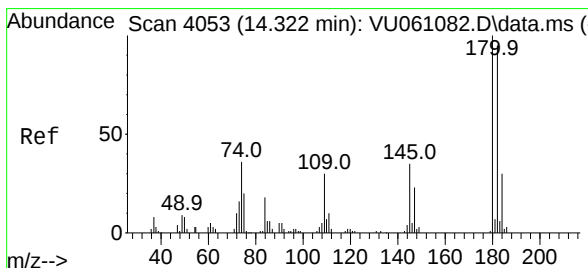
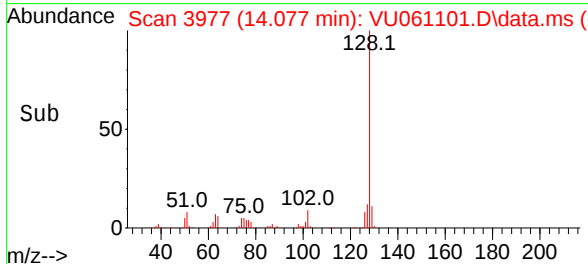
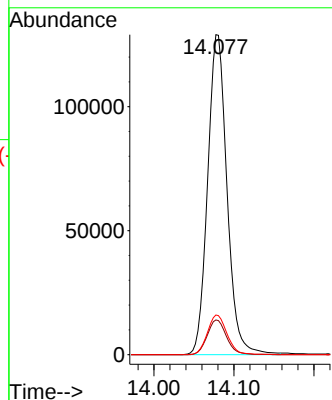
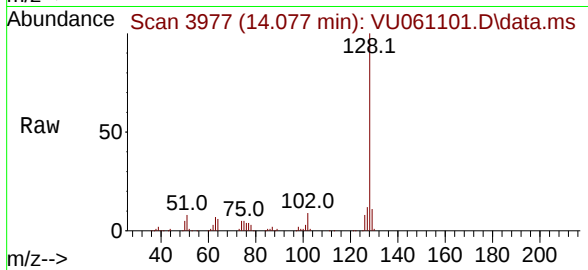
Tgt Ion:128 Resp: 217657

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

127 12.6 10.7 16.1



#72

1,2,3-Trichlorobenzene

Concen: 6.460 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU061101.D

Acq: 10 Oct 2024 20:03

Tgt Ion:180 Resp: 65300

Ion Ratio Lower Upper

180 100

182 95.3 75.7 113.5

145 34.6 23.5 35.3

