

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102524\
 Data File : VU061214.D
 Acq On : 25 Oct 2024 09:08
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 00:26:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 25 02:35:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	206031	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	188063	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	89945	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	53469	3.820	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.400%
7) Chloroethane-d5	1.911	69	44612	3.477	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.600%
11) 1,1-Dichloroethene-d2	2.560	65	24214	4.044	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.800%
20) 2-Butanone-d5	4.634	46	134228	47.238	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.480%
24) Chloroform-d	5.052	84	118209	4.450	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	5.695	65	57310	4.328	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
32) Benzene-d6	5.718	84	231307	4.365	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
36) 1,2-Dichloropropane-d6	6.682	67	70604	4.432	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.891	98	214132	4.322	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.174	79	27853	4.283	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.600%
46) 2-Hexanone-d5	8.628	63	121908	45.769	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.540%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	55394	4.598	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	71666	4.500	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	66395	4.834	ug/L	99
3) Chloromethane	1.515	50	63515	4.385	ug/L	99
5) Vinyl chloride	1.599	62	70736	4.442	ug/L	98
6) Bromomethane	1.853	94	45548	4.316	ug/L	98
8) Chloroethane	1.930	64	47203	4.026	ug/L	99
9) Trichlorofluoromethane	2.133	101	109143	5.046	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	63323	4.930	ug/L	98
12) 1,1-Dichloroethene	2.573	96	58319	4.788	ug/L	94
13) Acetone	2.657	43	85620	47.573	ug/L	98
14) Carbon disulfide	2.785	76	189638	4.666	ug/L	100
15) Methyl Acetate	2.959	43	20490	4.598	ug/L	96
16) Methylene chloride	3.039	84	67441	4.698	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	159734	4.838	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	64624	4.798	ug/L	99
19) 1,1-Dichloroethane	3.859	63	120326	4.736	ug/L	99
21) 2-Butanone	4.714	43	142285	49.869	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	75674	4.919	ug/L	97
23) Bromochloromethane	4.965	128	32328	4.994	ug/L	98
25) Chloroform	5.078	83	129400	4.845	ug/L	99

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 00:26:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 25 02:35:03 2024
 Response via : Initial Calibration

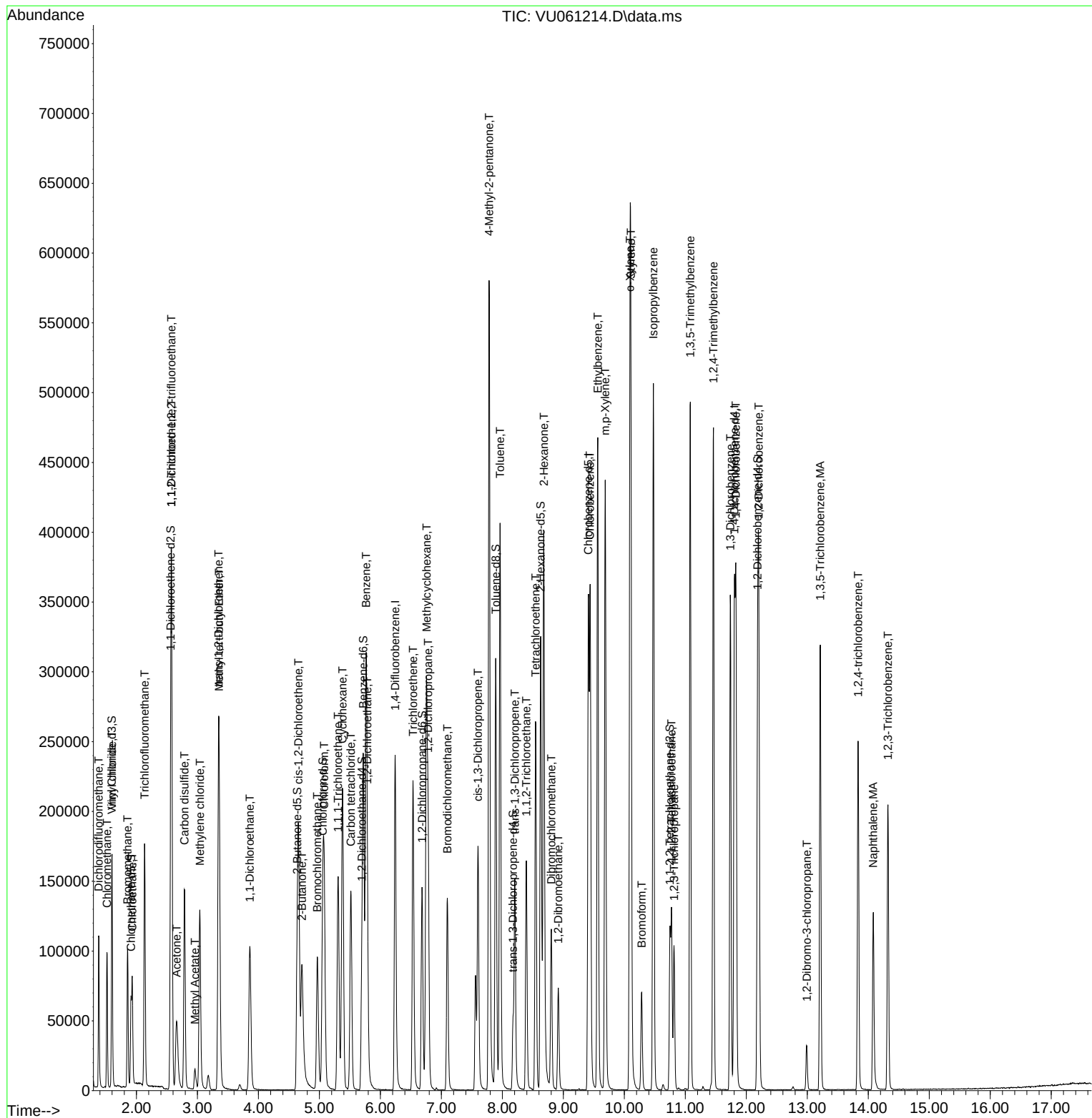
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	79669	4.720	ug/L	100
29) 1,1,1-Trichloroethane	5.306	97	113805	4.942	ug/L	100
30) Cyclohexane	5.377	56	115154	4.985	ug/L	100
31) Carbon tetrachloride	5.515	117	97240	4.935	ug/L	96
33) Benzene	5.766	78	284569	4.893	ug/L	100
34) Trichloroethene	6.534	95	78278	4.948	ug/L	97
35) Methylcyclohexane	6.756	83	125455	4.982	ug/L	100
37) 1,2-Dichloropropane	6.782	63	72802	4.938	ug/L	100
38) Bromodichloromethane	7.097	83	92210	4.942	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	111019	4.876	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	359282	48.967	ug/L	99
42) Toluene	7.962	91	308974	4.892	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	90559	4.881	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	52609	4.959	ug/L	99
47) Tetrachloroethene	8.544	164	55821	5.052	ug/L	97
48) 2-Hexanone	8.679	43	250064	48.196	ug/L	98
49) Dibromochloromethane	8.801	129	58499	4.862	ug/L	95
50) 1,2-Dibromoethane	8.917	107	49717	4.824	ug/L	97
51) Chlorobenzene	9.438	112	195466	4.896	ug/L	98
52) Ethylbenzene	9.563	91	341112	4.910	ug/L	99
53) m,p-Xylene	9.685	106	130492	4.930	ug/L	97
54) o-Xylene	10.094	106	127383	4.877	ug/L	98
55) Styrene	10.107	104	203099	4.850	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	61526	4.813	ug/L	100
59) Bromoform	10.283	173	31662	4.755	ug/L	99
60) Isopropylbenzene	10.476	105	337930	4.918	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	43192	4.821	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	273871	4.896	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	266798	4.825	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	142090	4.914	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	141952	4.815	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	129436	4.756	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	8738	4.645	ug/L	93
69) 1,3,5-Trichlorobenzene	13.213	180	97816	4.934	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	77564	4.849	ug/L	97
71) Naphthalene	14.081	128	110920	4.394	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	62880	4.698	ug/L	100

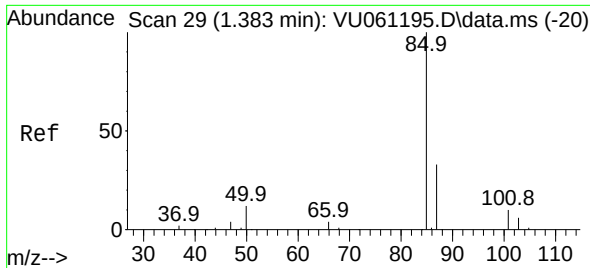
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

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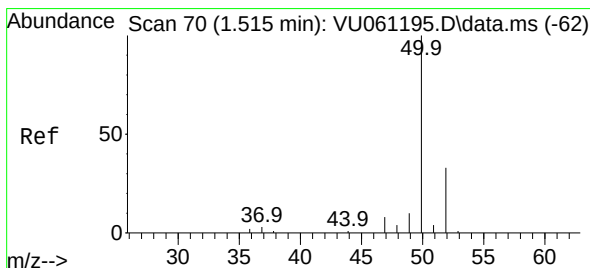
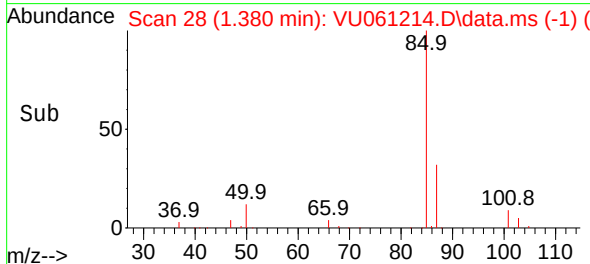
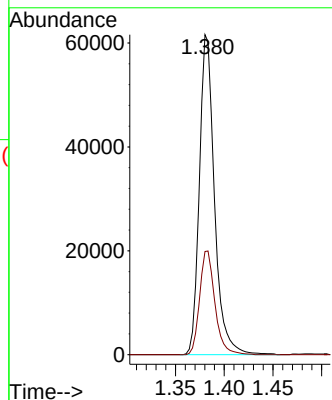
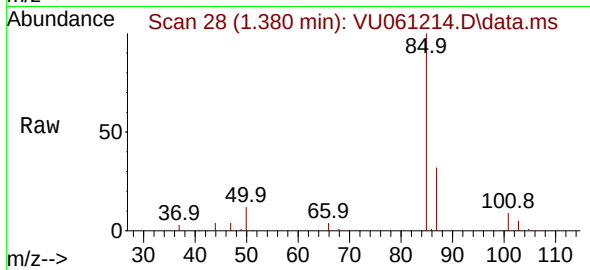




#2
 Dichlorodifluoromethane
 Concen: 4.834 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU061214.D
 Acq: 25 Oct 2024 09:08

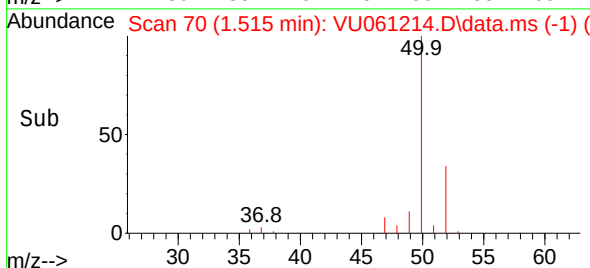
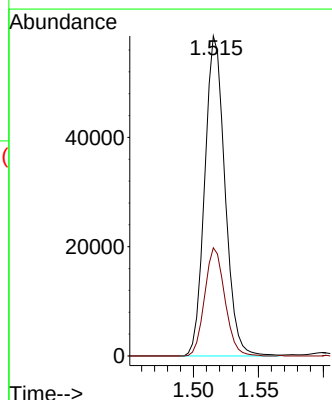
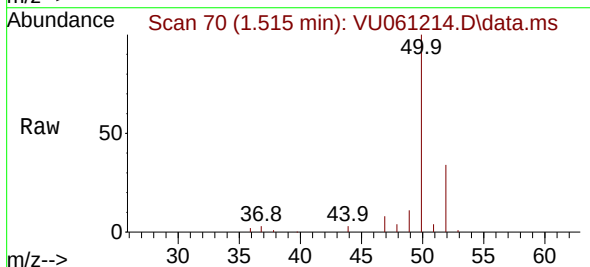
Instrument :
 MSVOA_U
 ClientSampleId :

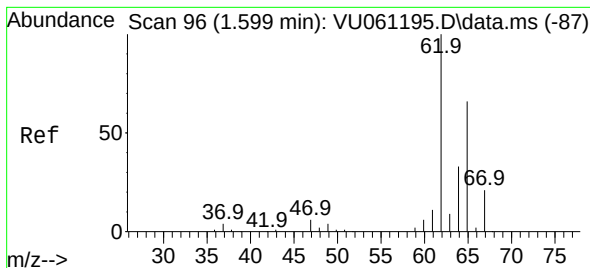
Tgt Ion: 85 Resp: 66395
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.7 38.5



#3
 Chloromethane
 Concen: 4.385 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU061214.D
 Acq: 25 Oct 2024 09:08

Tgt Ion: 50 Resp: 63515
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.4 43.4





#5

Vinyl chloride

Concen: 4.442 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

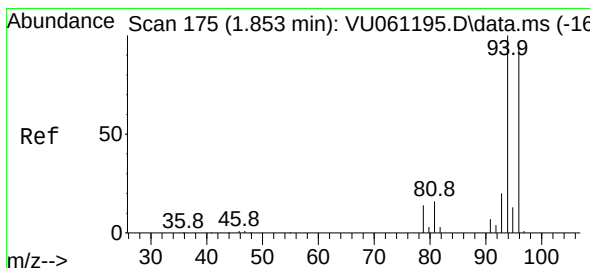
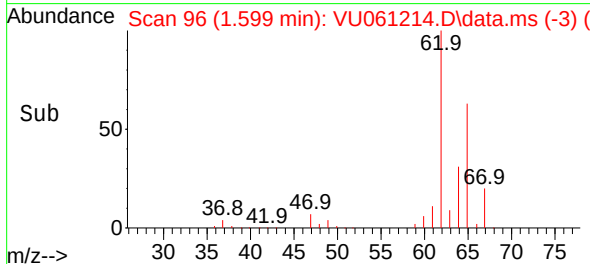
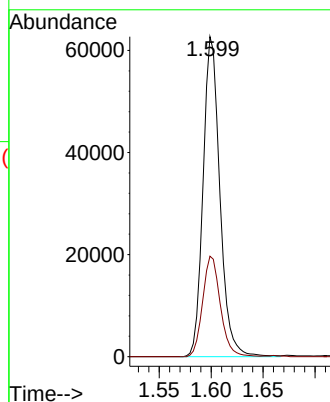
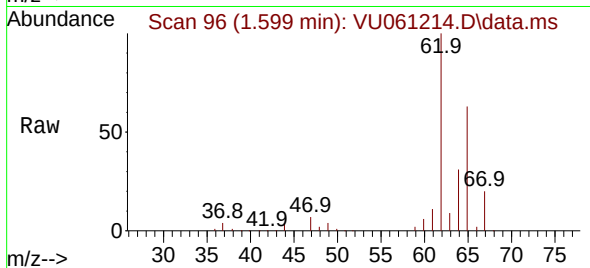
ClientSampleId :

Tgt Ion: 62 Resp: 70736

Ion Ratio Lower Upper

62 100

64 31.4 22.6 42.0



#6

Bromomethane

Concen: 4.316 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU061214.D

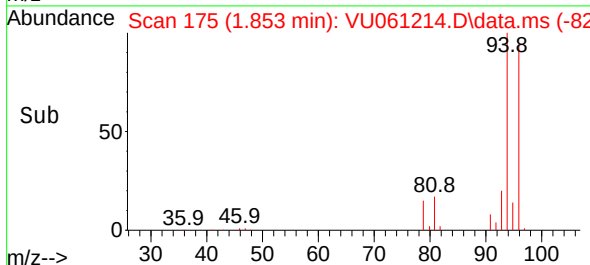
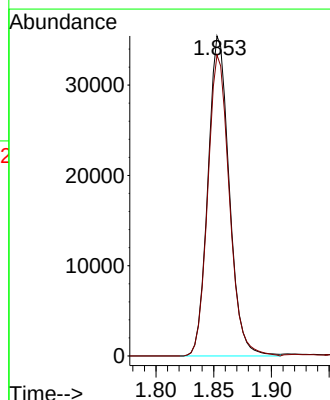
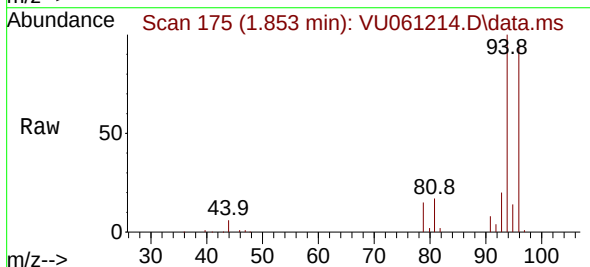
Acq: 25 Oct 2024 09:08

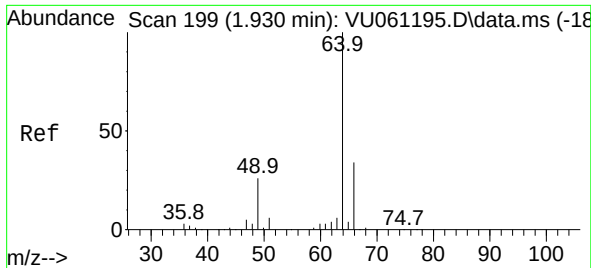
Tgt Ion: 94 Resp: 45548

Ion Ratio Lower Upper

94 100

96 94.0 66.9 124.3

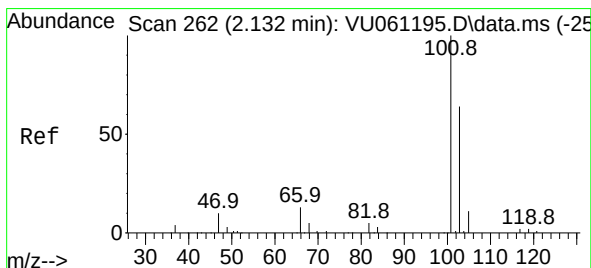
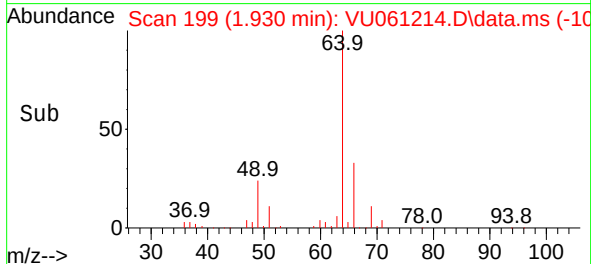
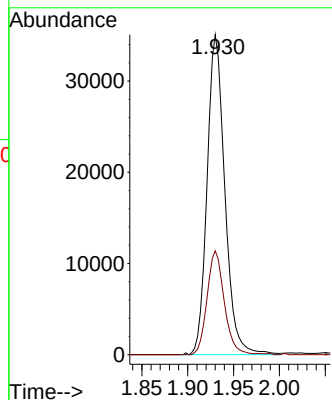
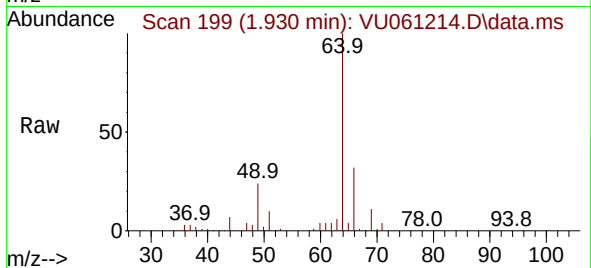




#8
Chloroethane
Concen: 4.026 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

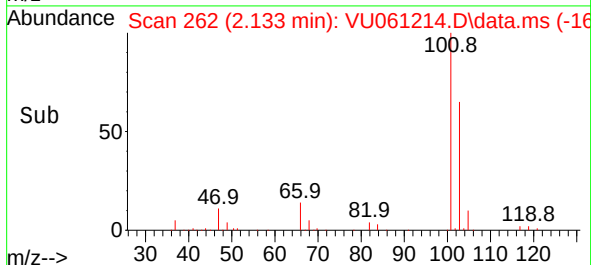
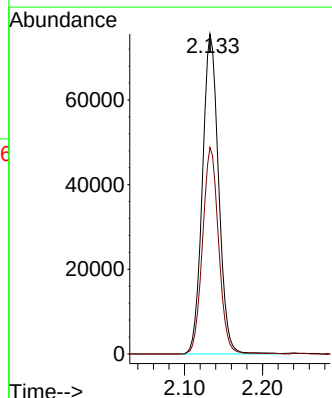
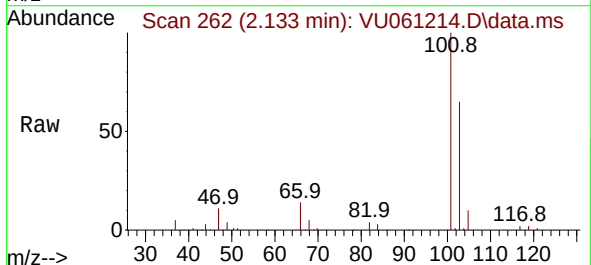
Instrument :
MSVOA_U
ClientSampleId :

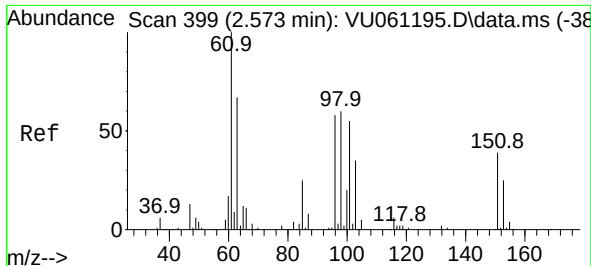
Tgt Ion: 64 Resp: 47203
Ion Ratio Lower Upper
64 100
66 32.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.046 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Tgt Ion:101 Resp: 109143
Ion Ratio Lower Upper
101 100
103 63.8 50.6 75.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.930 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

ClientSampleId :

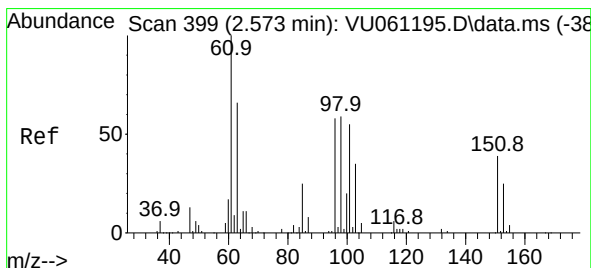
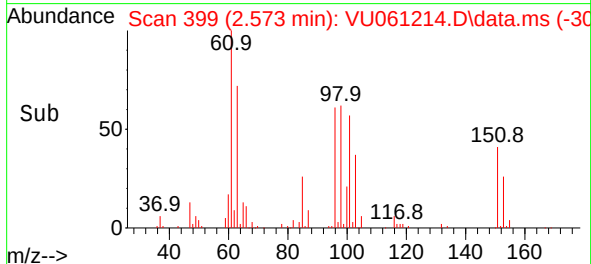
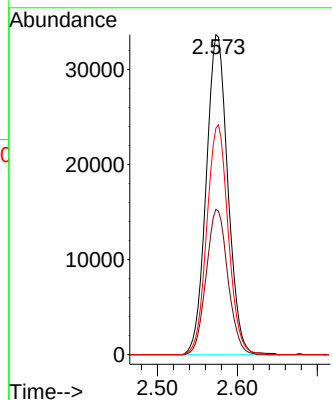
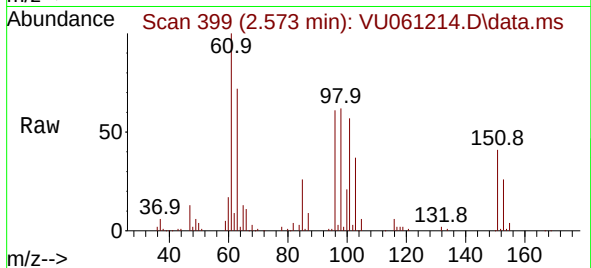
Tgt Ion:101 Resp: 63323

Ion Ratio Lower Upper

101 100

85 45.4 35.6 53.4

151 71.4 55.9 83.9



#12

1,1-Dichloroethene

Concen: 4.788 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

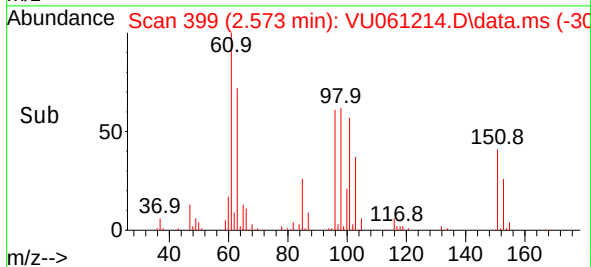
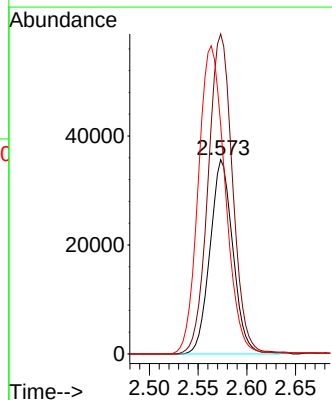
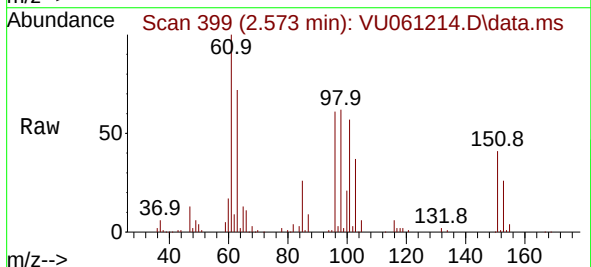
Tgt Ion: 96 Resp: 58319

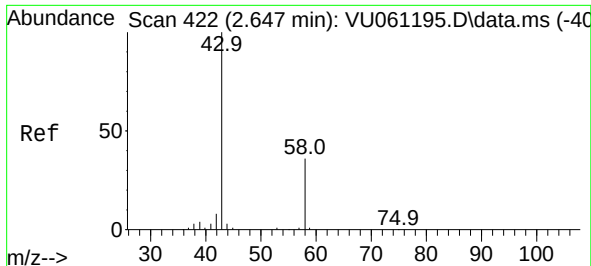
Ion Ratio Lower Upper

96 100

61 164.8 119.1 221.1

63 118.0 89.4 166.0





#13

Acetone

Concen: 47.573 ug/L

RT: 2.657 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

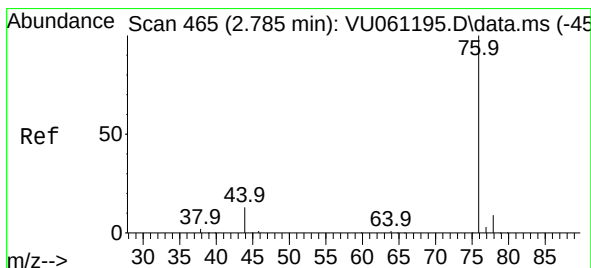
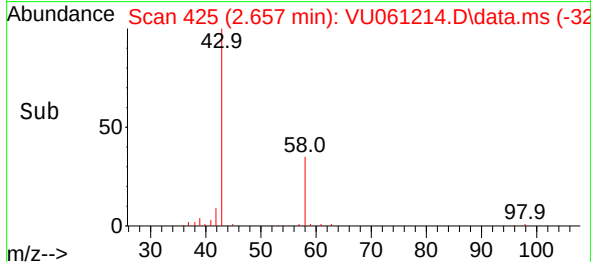
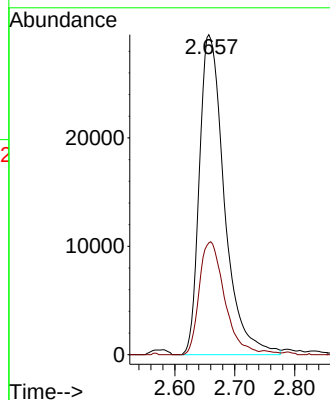
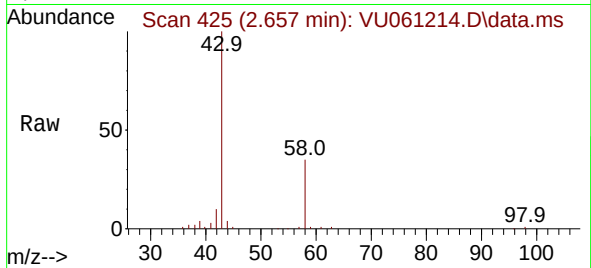
ClientSampleId :

Tgt Ion: 43 Resp: 85620

Ion Ratio Lower Upper

43 100

58 35.6 0.0 73.2



#14

Carbon disulfide

Concen: 4.666 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU061214.D

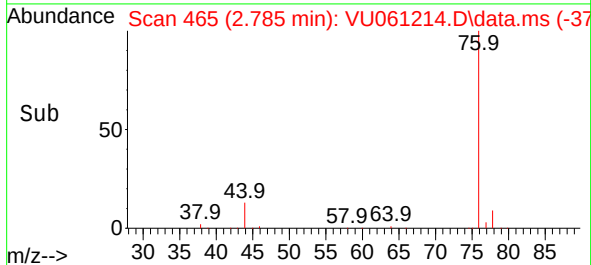
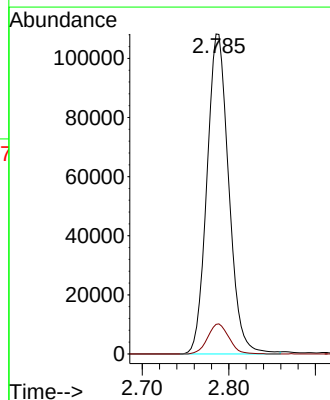
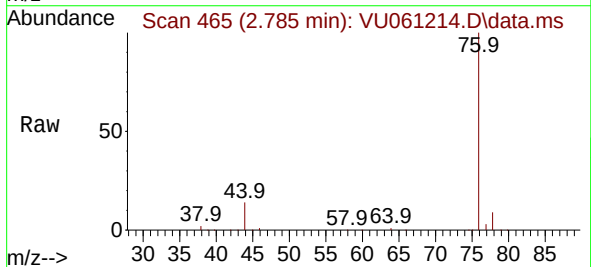
Acq: 25 Oct 2024 09:08

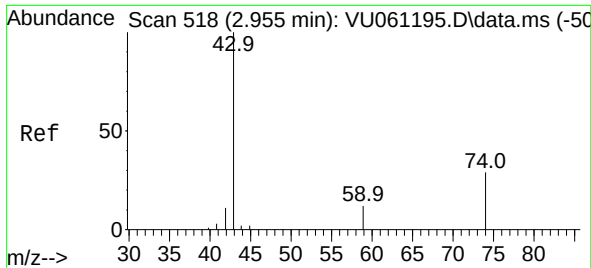
Tgt Ion: 76 Resp: 189638

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 4.598 ug/L

RT: 2.959 min Scan# 518

Delta R.T. 0.003 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

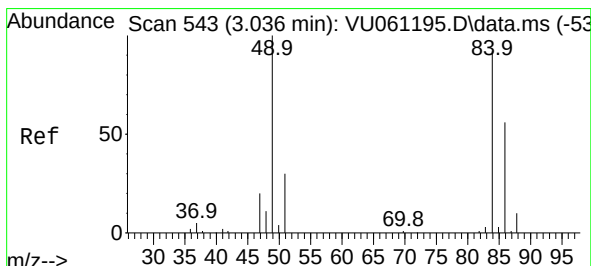
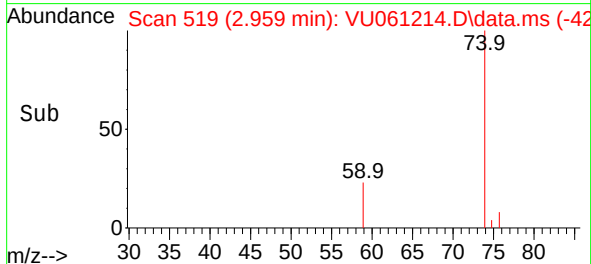
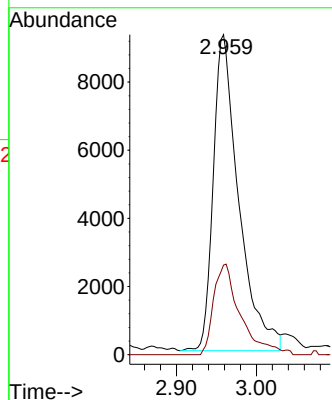
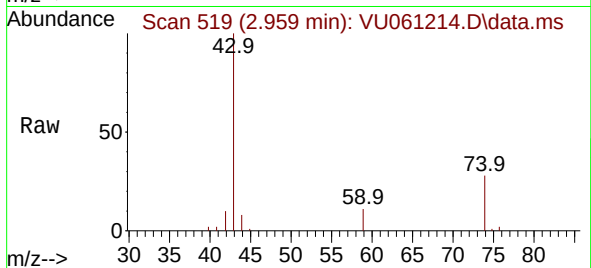
ClientSampleId :

Tgt Ion: 43 Resp: 20490

Ion Ratio Lower Upper

43 100

74 29.7 22.2 33.4



#16

Methylene chloride

Concen: 4.698 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

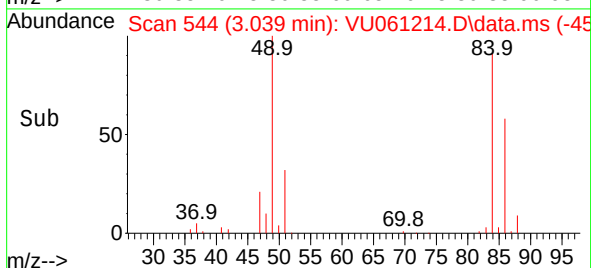
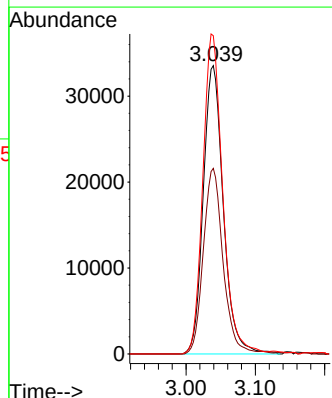
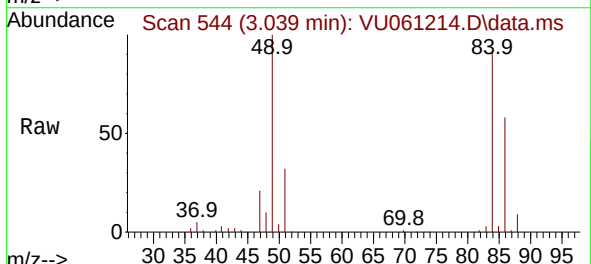
Tgt Ion: 84 Resp: 67441

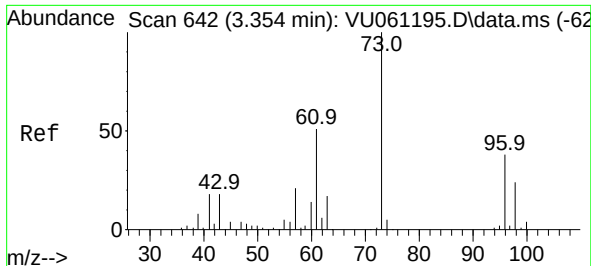
Ion Ratio Lower Upper

84 100

86 64.4 43.5 80.7

49 110.3 75.7 140.7

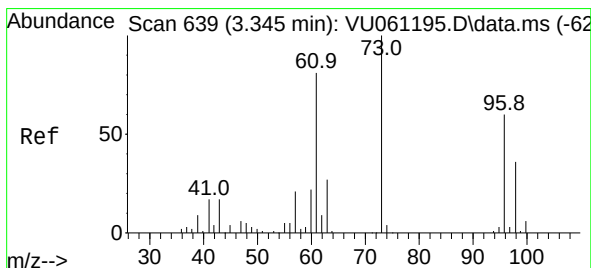
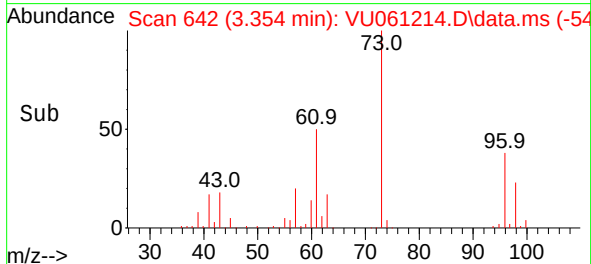
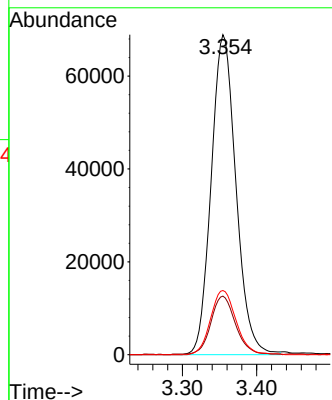
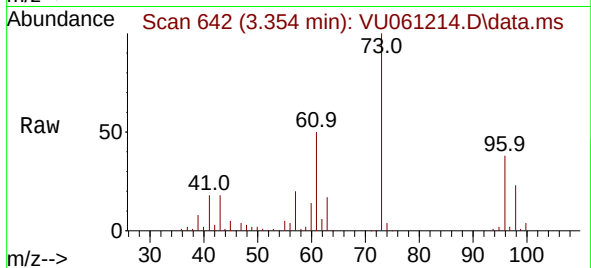




#17
Methyl tert-butyl Ether
Concen: 4.838 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

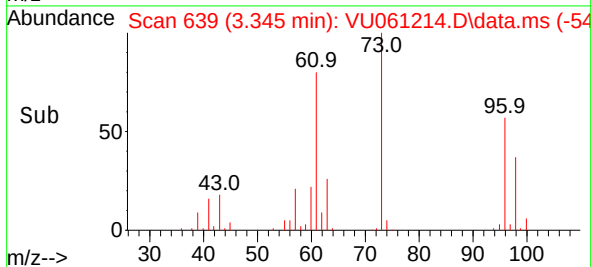
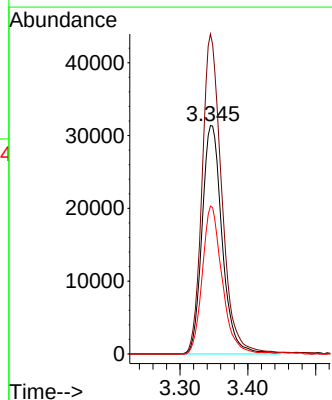
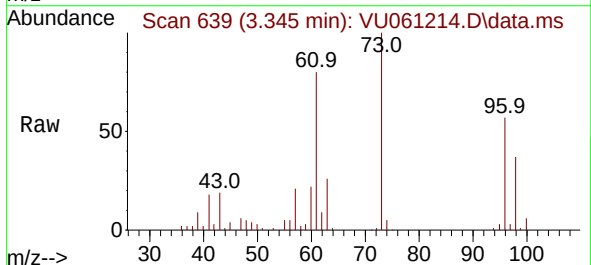
Instrument :
MSVOA_U
ClientSampleId :

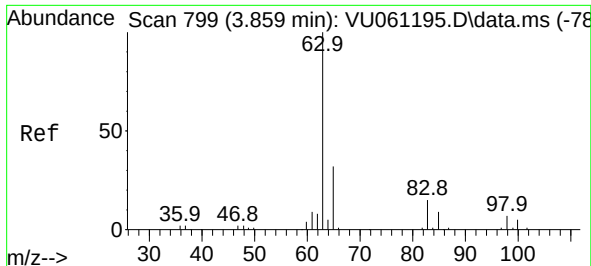
Tgt Ion: 73 Resp: 159734
Ion Ratio Lower Upper
73 100
43 18.5 15.0 22.4
57 20.7 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 4.798 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

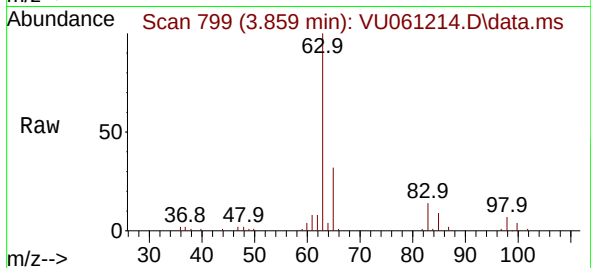
Tgt Ion: 96 Resp: 64624
Ion Ratio Lower Upper
96 100
61 140.0 97.9 181.7
98 64.7 46.2 85.8



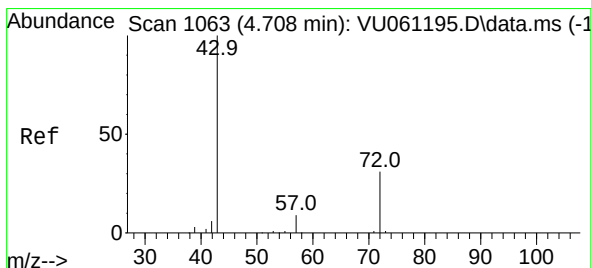
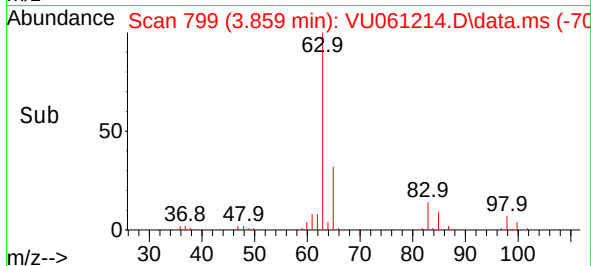
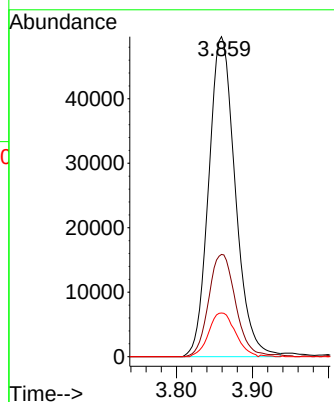


#19
1,1-Dichloroethane
Concen: 4.736 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Instrument :
MSVOA_U
ClientSampleId :

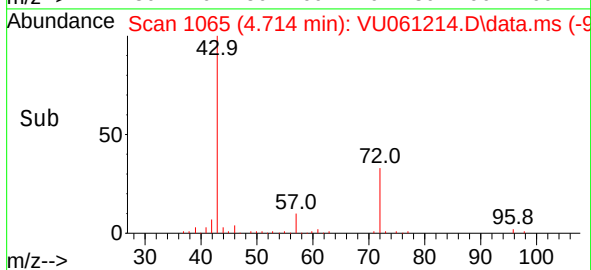
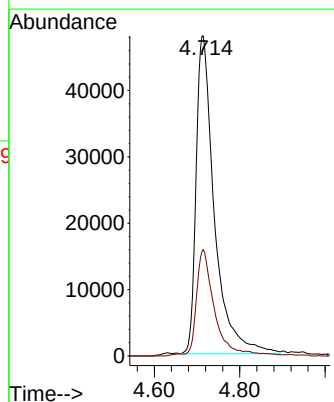
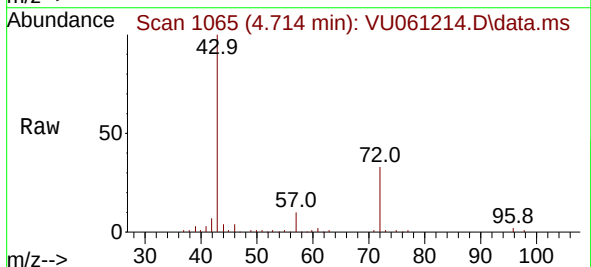


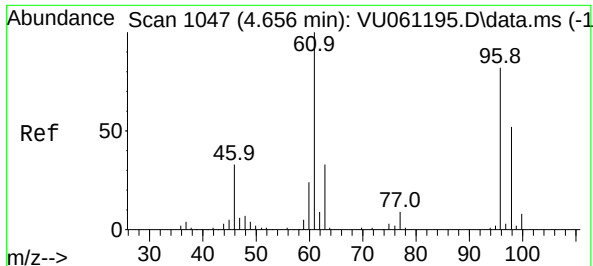
Tgt Ion:	63	Resp:	120326
Ion	Ratio	Lower	Upper
63	100		
65	32.0	23.0	42.6
83	13.6	9.7	17.9



#21
2-Butanone
Concen: 49.869 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.007 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Tgt Ion:	43	Resp:	142285
Ion	Ratio	Lower	Upper
43	100		
72	30.2	15.9	47.6

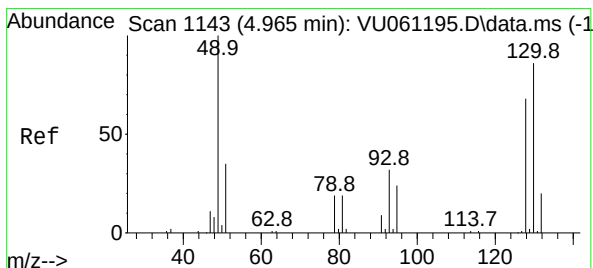
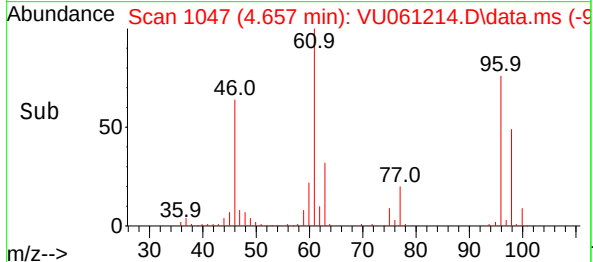
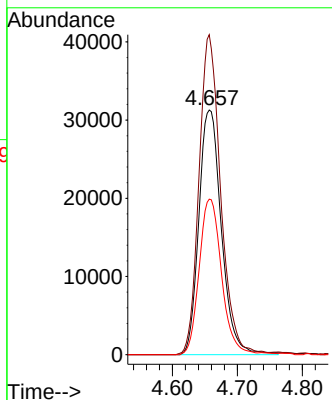
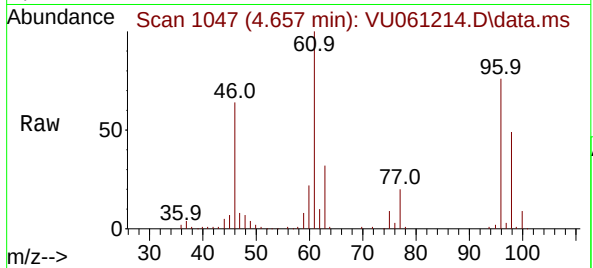




#22
 cis-1,2-Dichloroethene
 Concen: 4.919 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU061214.D
 Acq: 25 Oct 2024 09:08

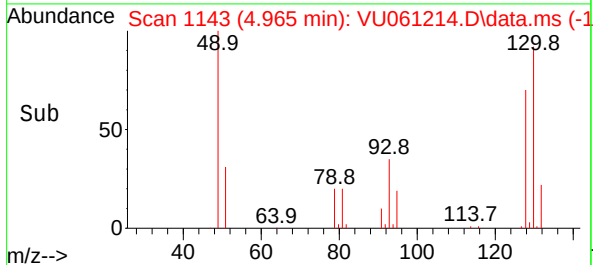
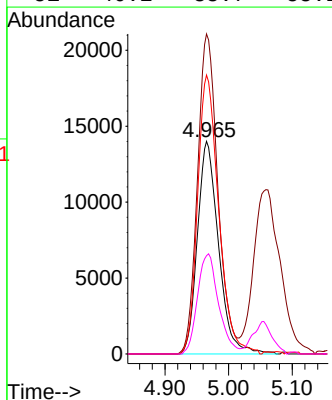
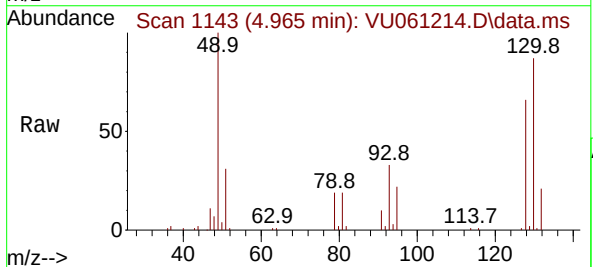
Instrument :
 MSVOA_U
 ClientSampleId :

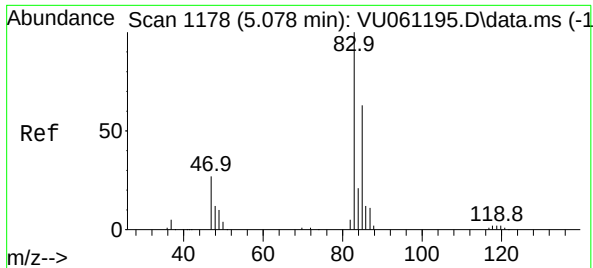
Tgt Ion: 96 Resp: 75674
 Ion Ratio Lower Upper
 96 100
 61 130.8 88.1 163.5
 98 63.6 45.0 83.6



#23
 Bromochloromethane
 Concen: 4.994 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VU061214.D
 Acq: 25 Oct 2024 09:08

Tgt Ion: 128 Resp: 32328
 Ion Ratio Lower Upper
 128 100
 49 150.5 105.1 195.1
 130 131.1 89.6 166.4
 51 46.2 38.7 58.1

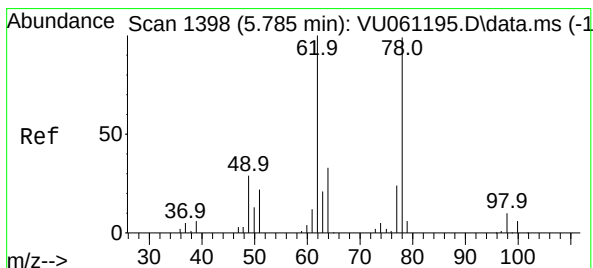
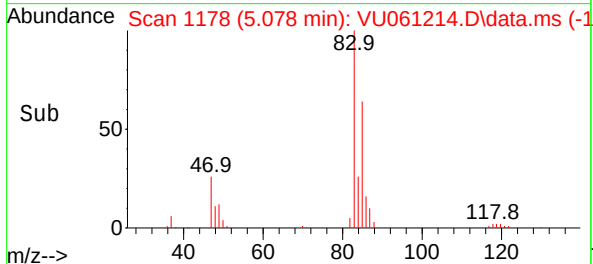
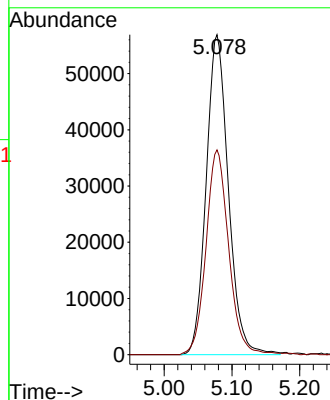
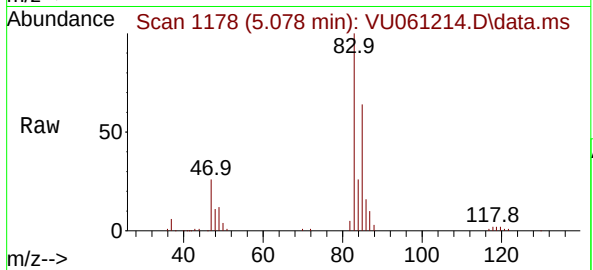




#25
Chloroform
Concen: 4.845 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

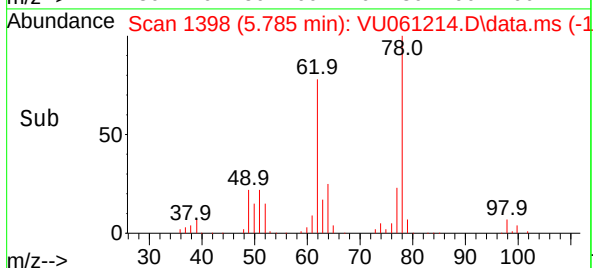
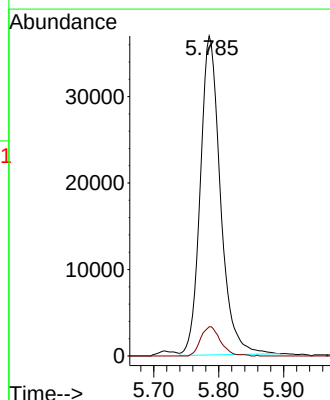
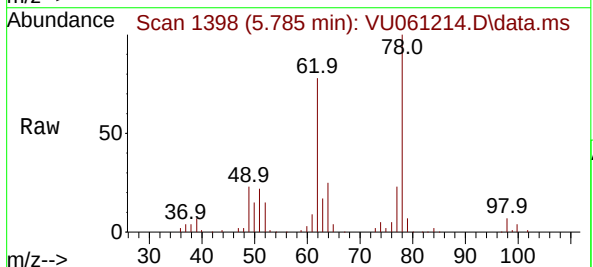
Instrument :
MSVOA_U
ClientSampleId :

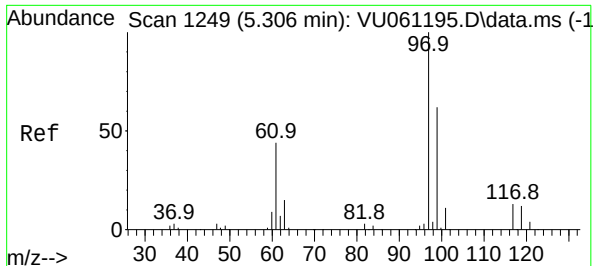
Tgt Ion: 83 Resp: 129400
Ion Ratio Lower Upper
83 100
85 64.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.720 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Tgt Ion: 62 Resp: 79669
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0

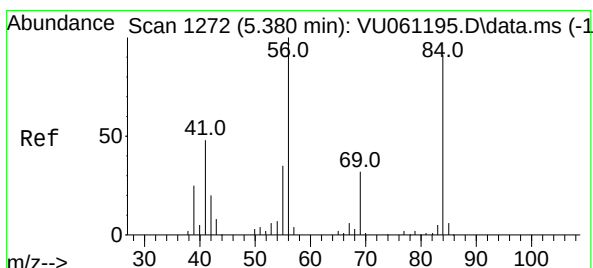
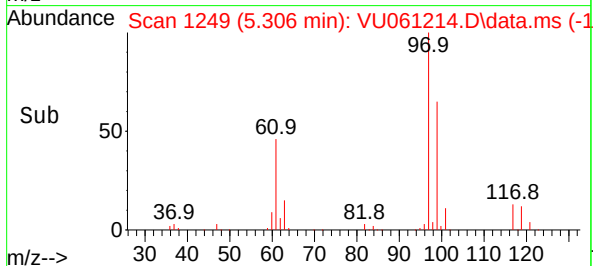
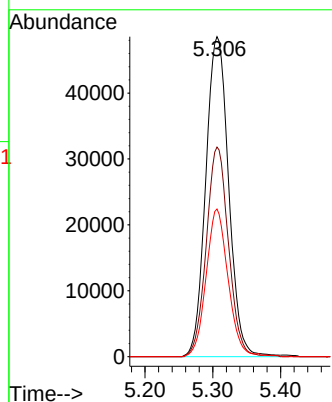
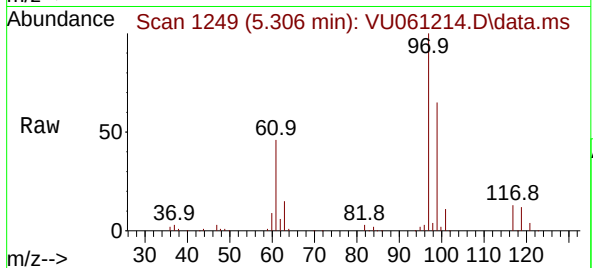




#29
1,1,1-Trichloroethane
Concen: 4.942 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

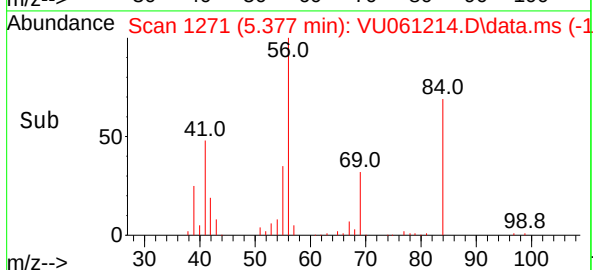
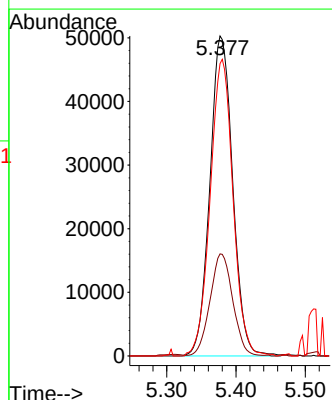
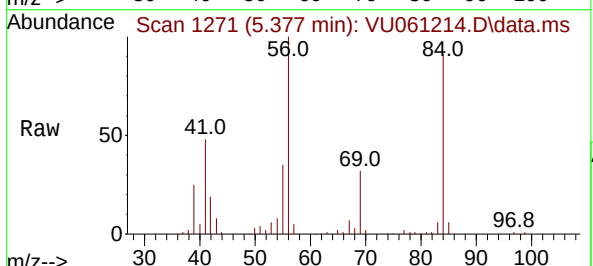
Instrument :
MSVOA_U
ClientSampleId :

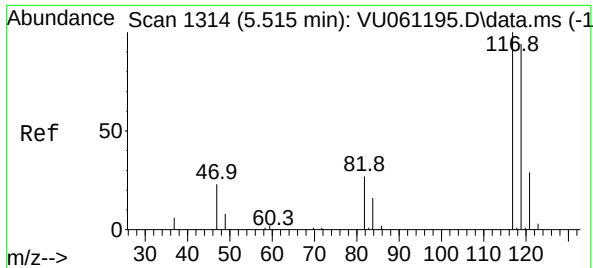
Tgt Ion: 97 Resp: 113805
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 44.5 36.1 54.1



#30
Cyclohexane
Concen: 4.985 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Tgt Ion: 56 Resp: 115154
Ion Ratio Lower Upper
56 100
69 31.8 25.8 38.6
84 92.7 73.9 110.9

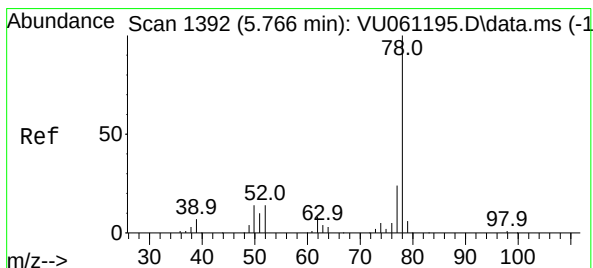
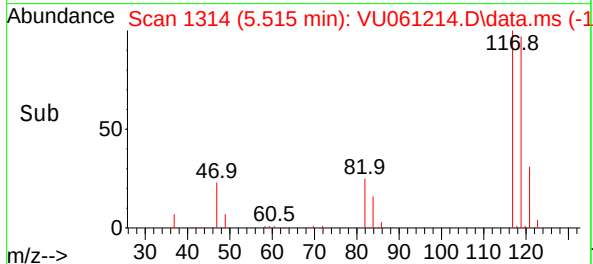
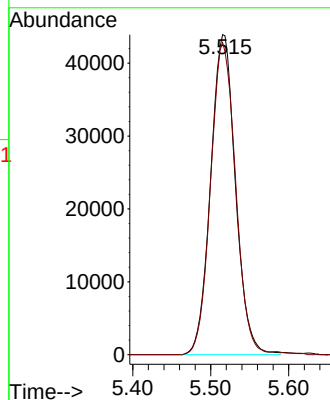
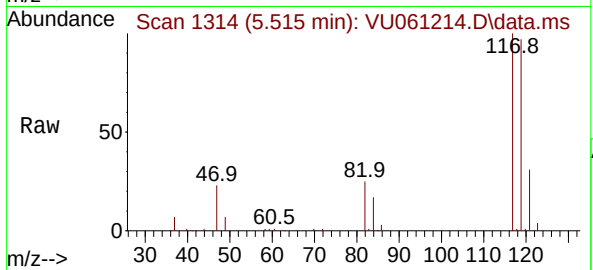




#31
Carbon tetrachloride
Concen: 4.935 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

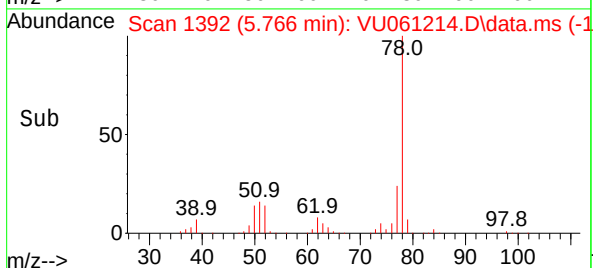
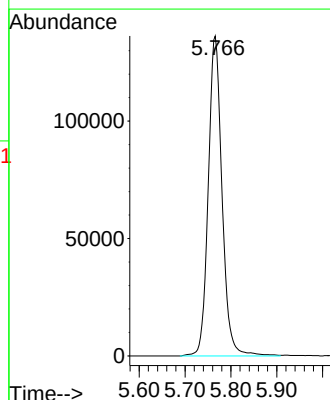
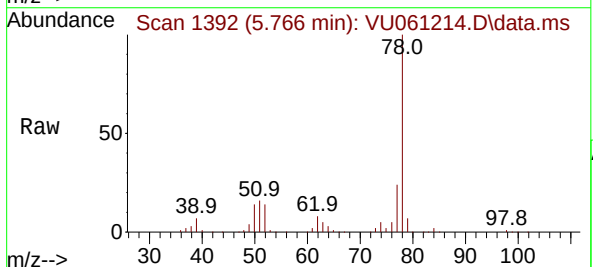
Instrument :
MSVOA_U
ClientSampleId :

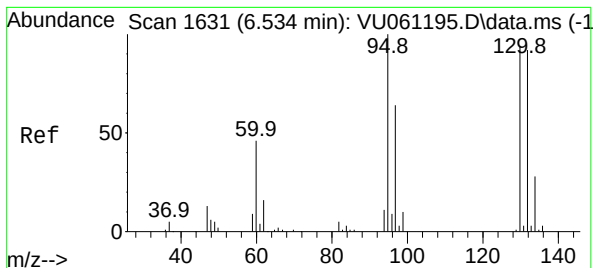
Tgt Ion:117 Resp: 97240
Ion Ratio Lower Upper
117 100
119 97.8 75.5 113.3



#33
Benzene
Concen: 4.893 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Tgt Ion: 78 Resp: 284569





#34

Trichloroethene

Concen: 4.948 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 78278

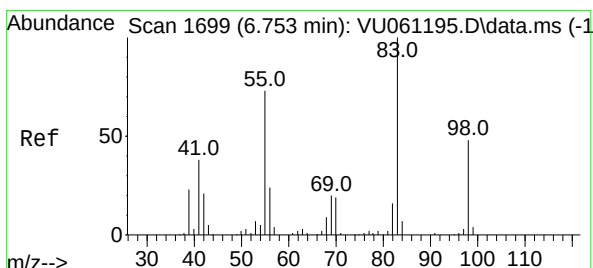
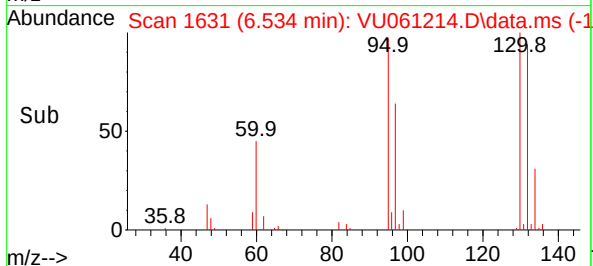
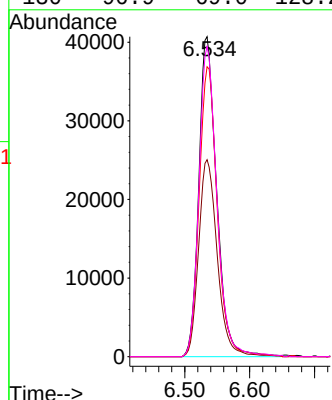
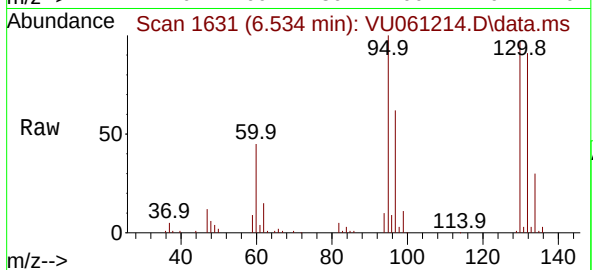
Ion Ratio Lower Upper

95 100

97 61.6 46.1 85.7

132 90.6 66.1 122.7

130 96.9 69.0 128.2



#35

Methylcyclohexane

Concen: 4.982 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

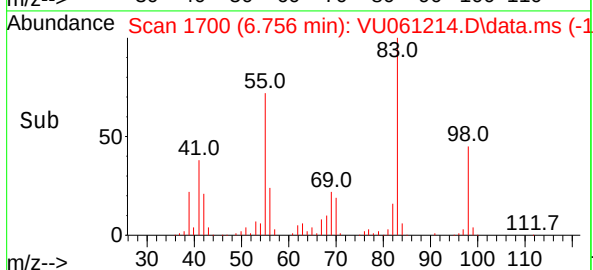
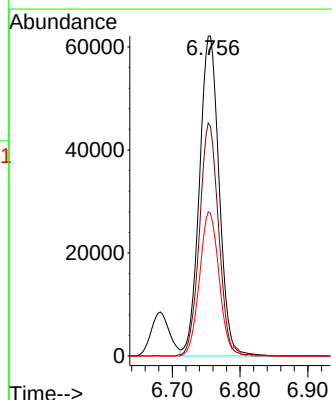
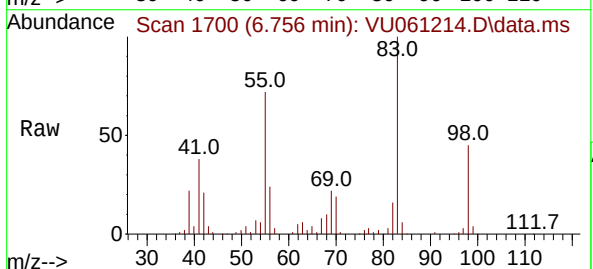
Tgt Ion: 83 Resp: 125455

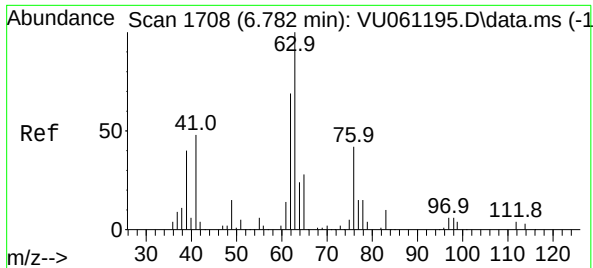
Ion Ratio Lower Upper

83 100

55 70.2 55.9 83.9

98 45.0 35.9 53.9

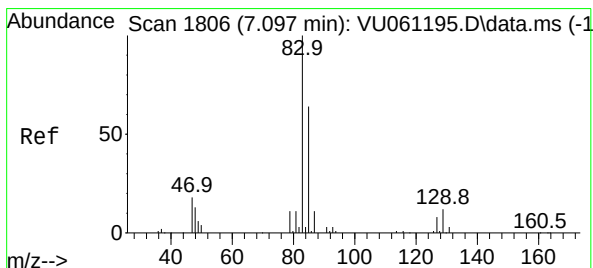
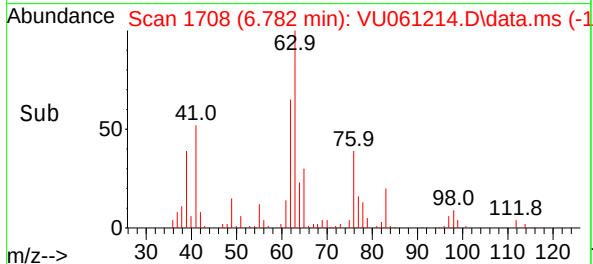
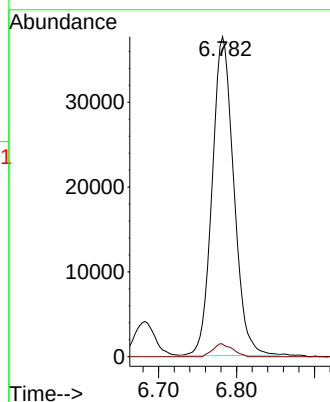
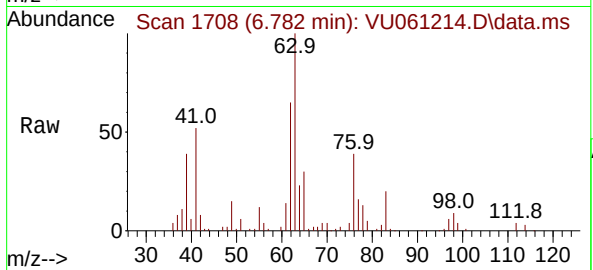




#37
1,2-Dichloropropane
Concen: 4.938 ug/L
RT: 6.782 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

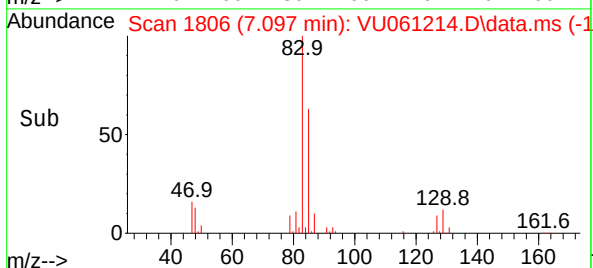
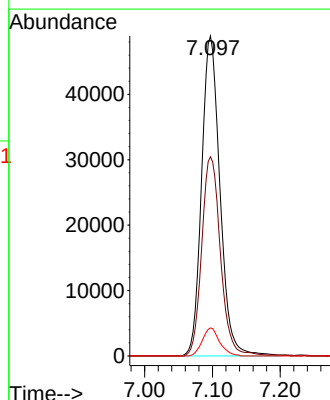
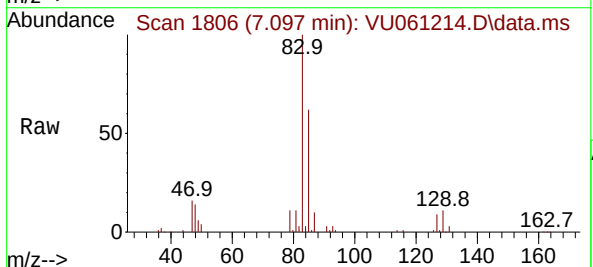
Instrument :
MSVOA_U
ClientSampleId :

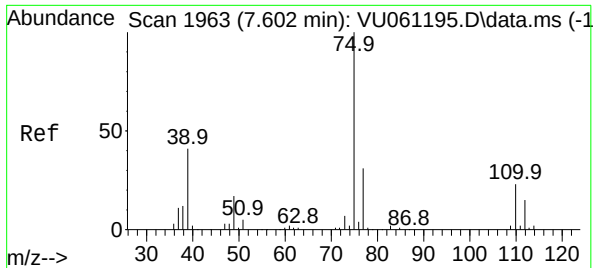
Tgt Ion: 63 Resp: 72802
Ion Ratio Lower Upper
63 100
112 3.7 3.0 4.4



#38
Bromodichloromethane
Concen: 4.942 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Tgt Ion: 83 Resp: 92210
Ion Ratio Lower Upper
83 100
85 62.2 43.8 81.4
127 8.7 7.4 11.0

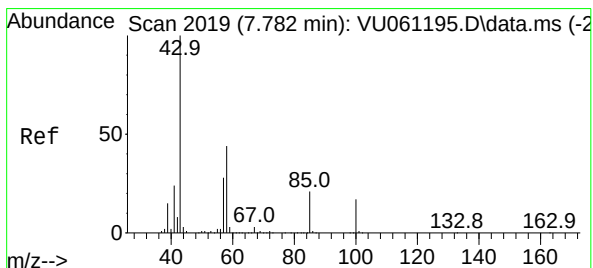
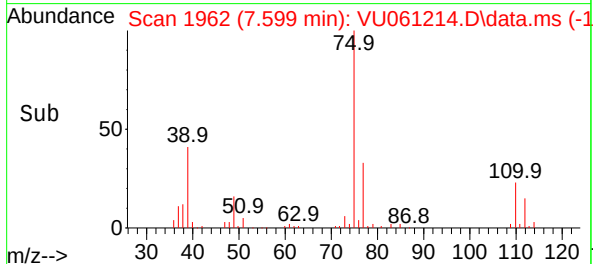
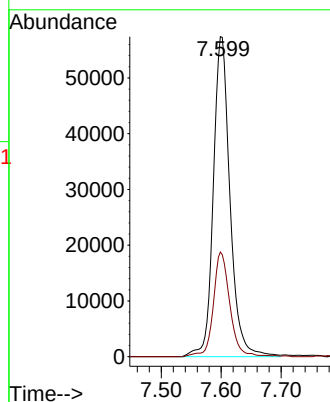
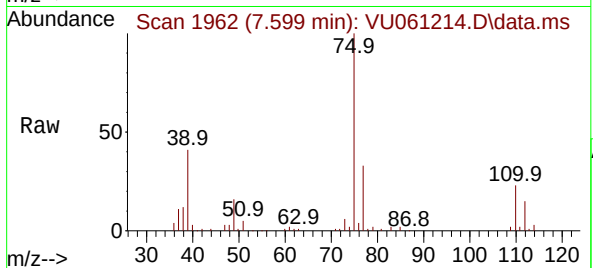




#39
 cis-1,3-Dichloropropene
 Concen: 4.876 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. -0.003 min
 Lab File: VU061214.D
 Acq: 25 Oct 2024 09:08

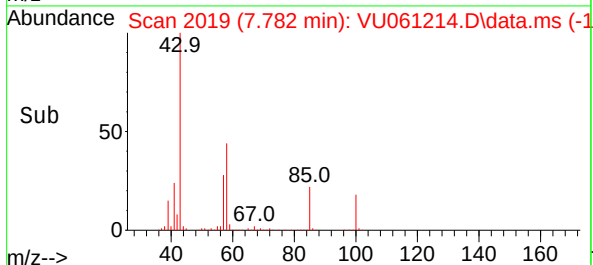
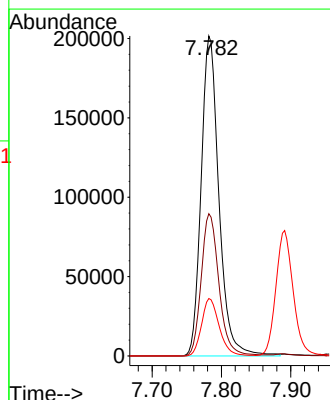
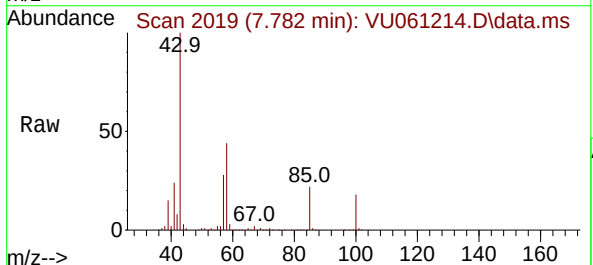
Instrument :
 MSVOA_U
 ClientSampleId :

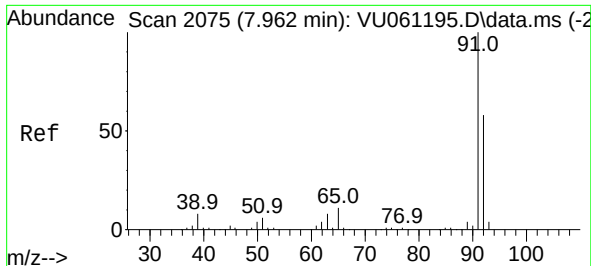
Tgt Ion: 75 Resp: 111019
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 48.967 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU061214.D
 Acq: 25 Oct 2024 09:08

Tgt Ion: 43 Resp: 359282
 Ion Ratio Lower Upper
 43 100
 58 44.4 35.1 52.7
 100 17.9 14.0 21.0





#42

Toluene

Concen: 4.892 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

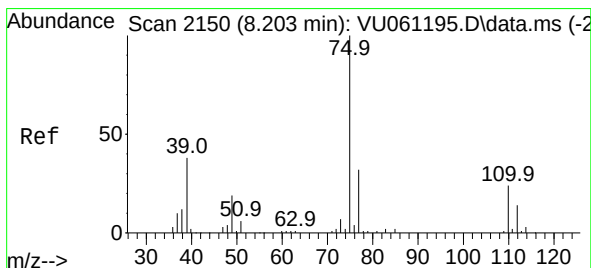
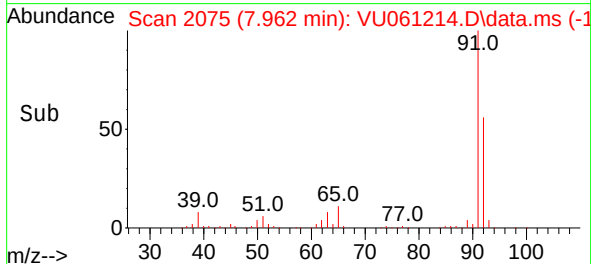
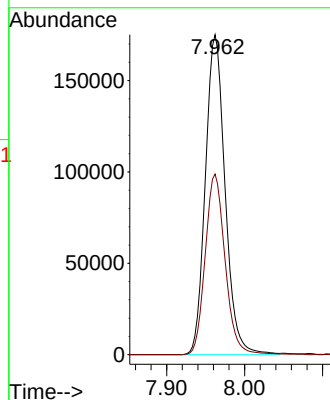
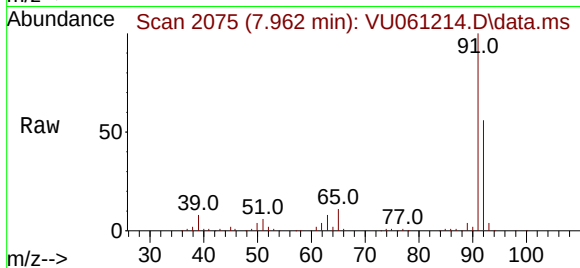
ClientSampleId :

Tgt Ion: 91 Resp: 308974

Ion Ratio Lower Upper

91 100

92 56.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.881 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU061214.D

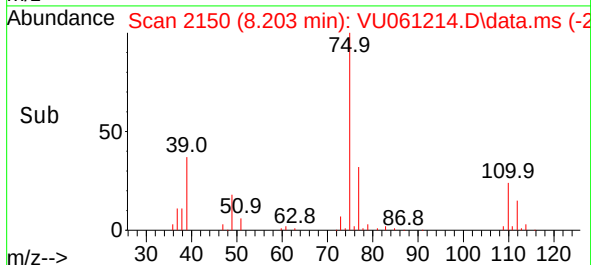
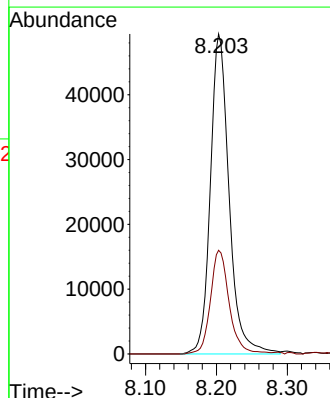
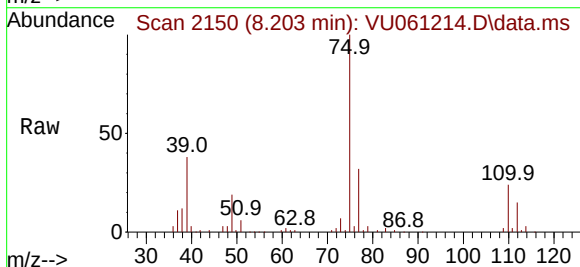
Acq: 25 Oct 2024 09:08

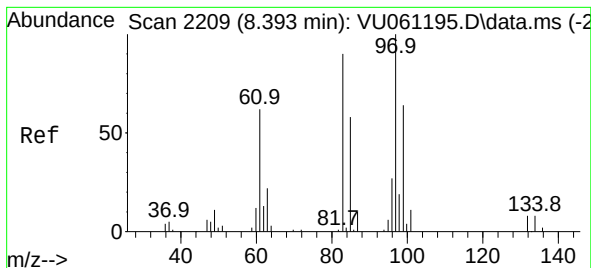
Tgt Ion: 75 Resp: 90559

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 4.959 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 52609

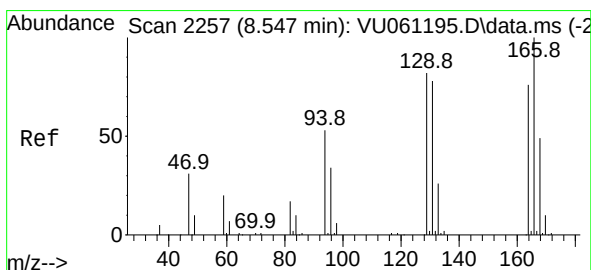
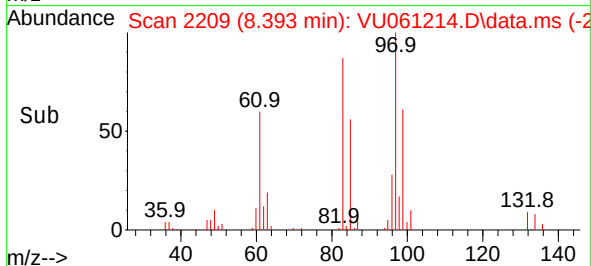
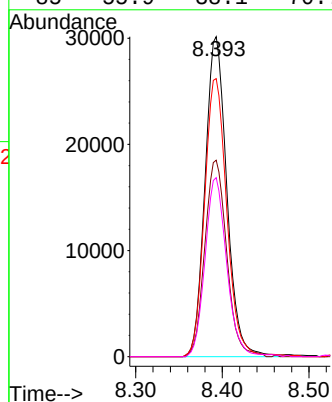
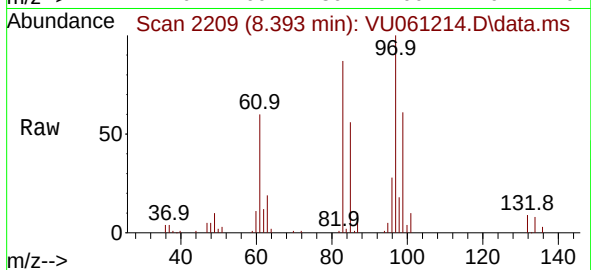
Ion Ratio Lower Upper

97 100

99 61.4 44.1 81.9

83 86.9 61.2 113.6

85 55.9 38.1 70.7



#47

Tetrachloroethene

Concen: 5.052 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.003 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Tgt Ion: 164 Resp: 55821

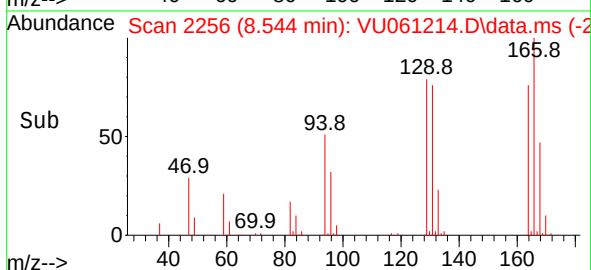
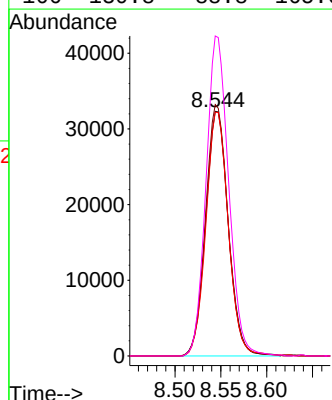
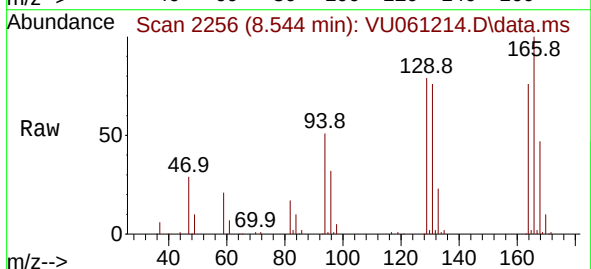
Ion Ratio Lower Upper

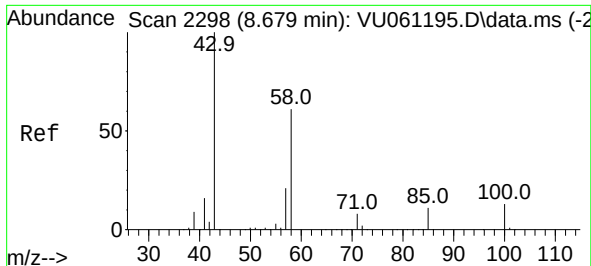
164 100

129 102.8 69.9 129.7

131 99.7 68.3 126.8

166 130.8 88.8 165.0

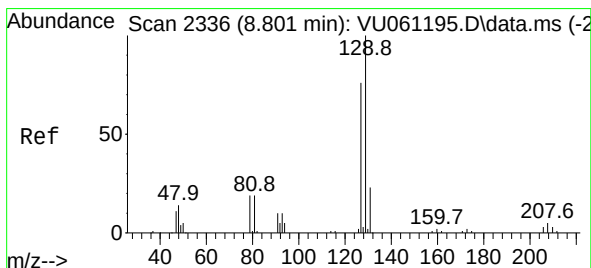
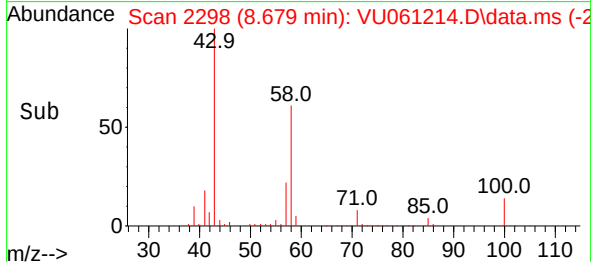
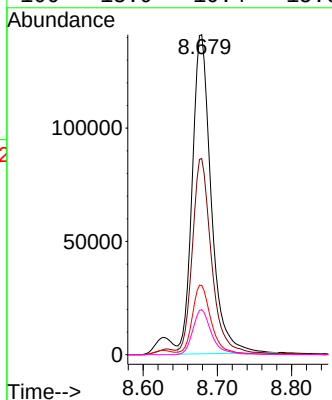
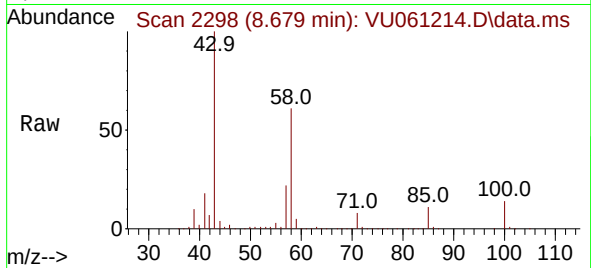




#48
2-Hexanone
Concen: 48.196 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

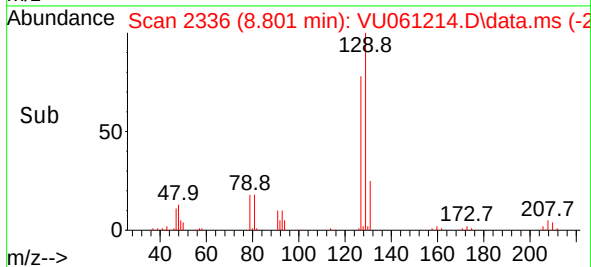
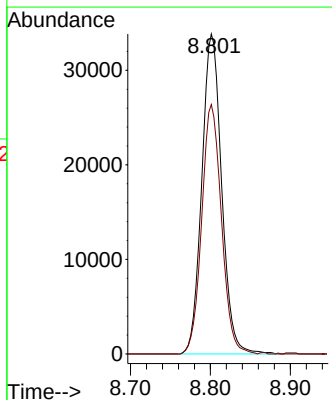
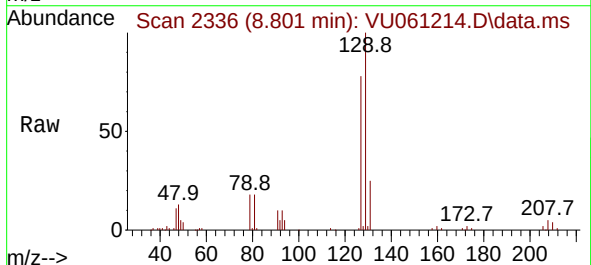
Instrument :
MSVOA_U
ClientSampleId :

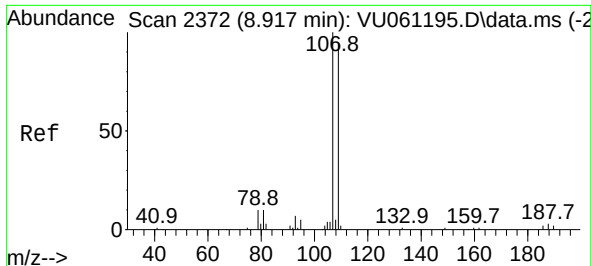
Tgt Ion:	43	Resp:	250064
Ion	Ratio	Lower	Upper
43	100		
58	62.0	48.6	72.8
57	21.7	17.0	25.6
100	13.9	10.4	15.6



#49
Dibromochloromethane
Concen: 4.862 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Tgt Ion:	129	Resp:	58499
Ion	Ratio	Lower	Upper
129	100		
127	78.0	51.8	96.2

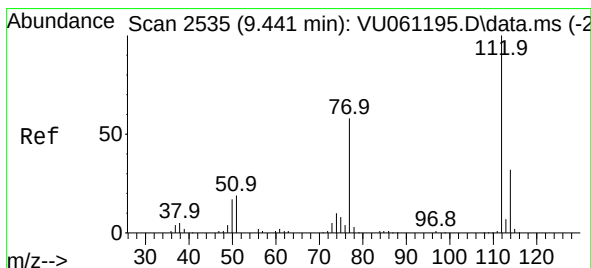
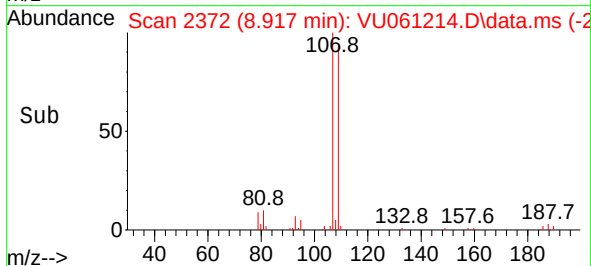
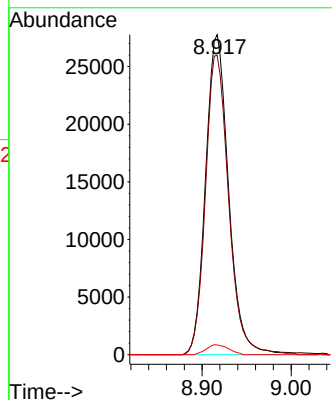
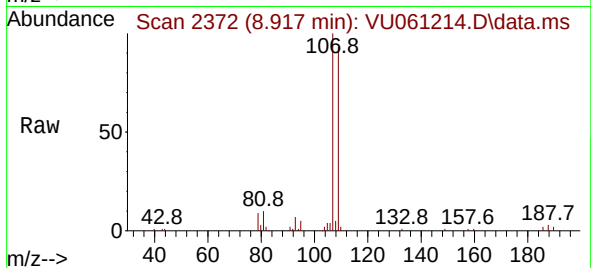




#50
1,2-Dibromoethane
Concen: 4.824 ug/L
RT: 8.917 min Scan# 24
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

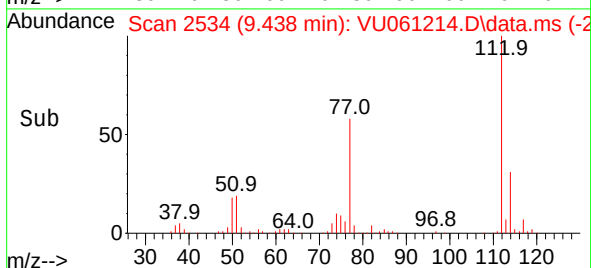
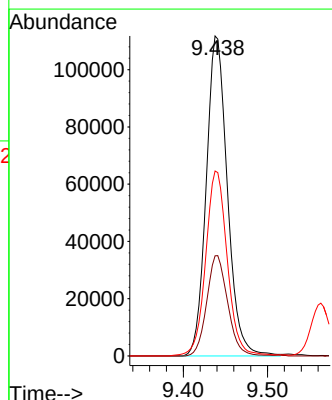
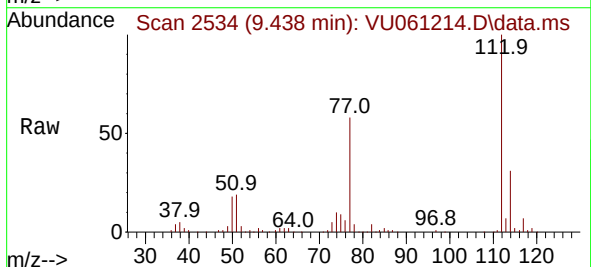
Instrument :
MSVOA_U
ClientSampleId :

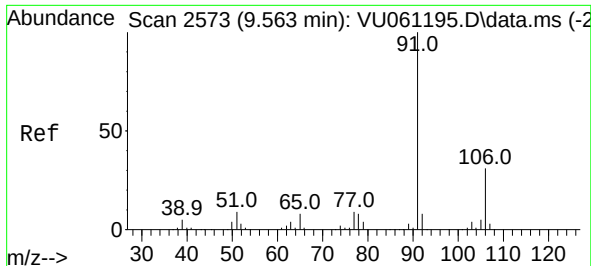
Tgt Ion:107 Resp: 49717
Ion Ratio Lower Upper
107 100
109 93.5 63.4 117.8
188 3.1 2.6 3.8



#51
Chlorobenzene
Concen: 4.896 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.003 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Tgt Ion:112 Resp: 195466
Ion Ratio Lower Upper
112 100
114 31.3 22.9 42.5
77 57.8 47.1 70.7





#52

Ethylbenzene

Concen: 4.910 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

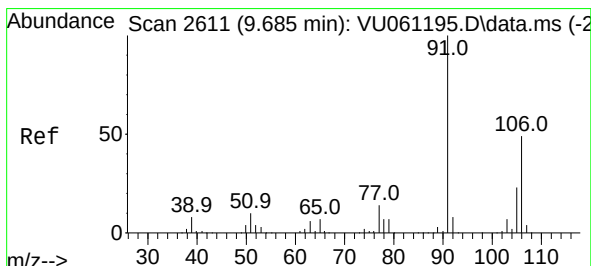
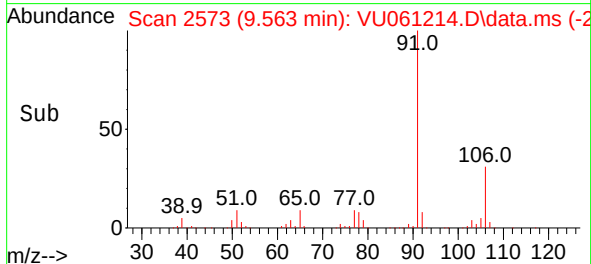
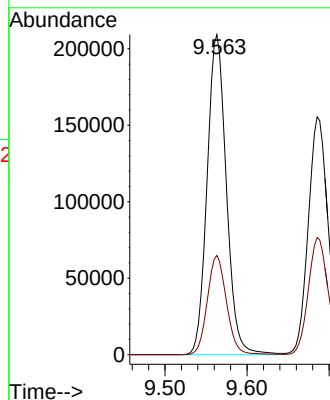
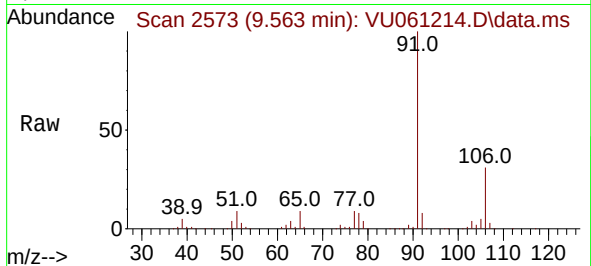
ClientSampleId :

Tgt Ion: 91 Resp: 341112

Ion Ratio Lower Upper

91 100

106 31.0 22.0 41.0



#53

m,p-Xylene

Concen: 4.930 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU061214.D

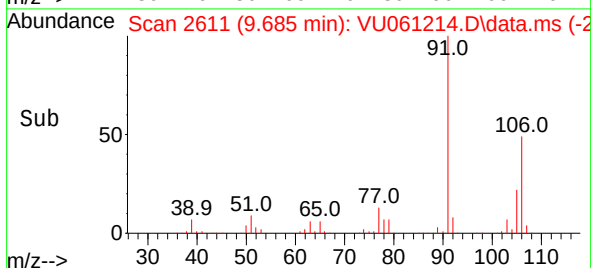
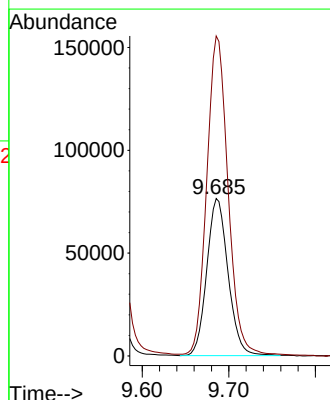
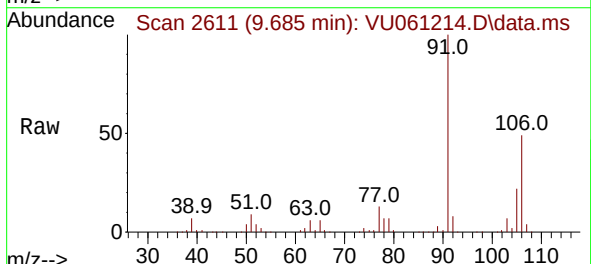
Acq: 25 Oct 2024 09:08

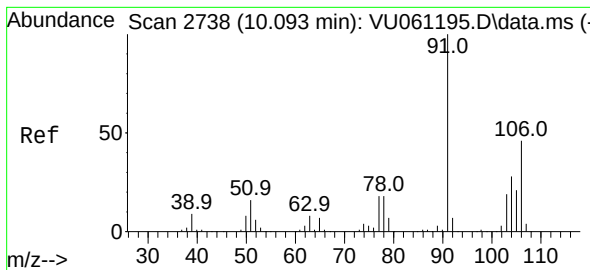
Tgt Ion:106 Resp: 130492

Ion Ratio Lower Upper

106 100

91 203.3 145.7 270.7





#54

o-Xylene

Concen: 4.877 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

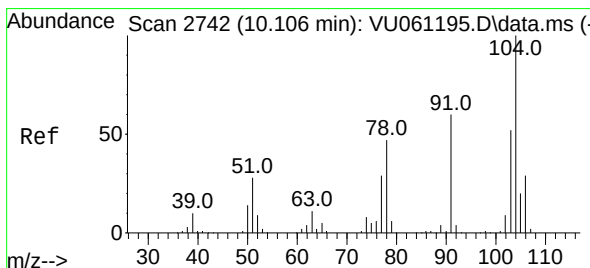
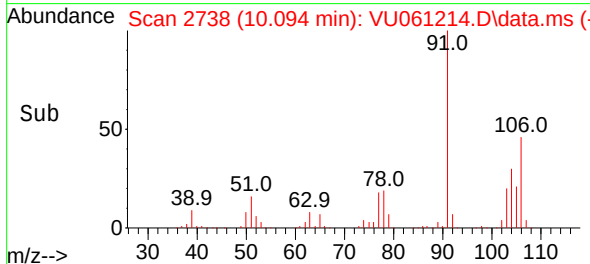
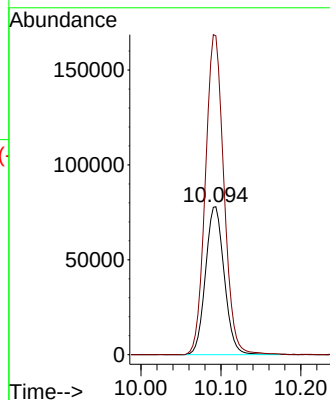
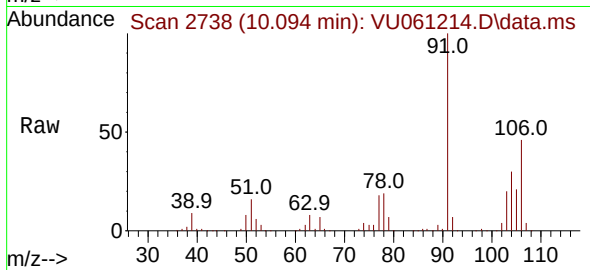
ClientSampleId :

Tgt Ion:106 Resp: 127383

Ion Ratio Lower Upper

106 100

91 215.6 148.8 276.4



#55

Styrene

Concen: 4.850 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU061214.D

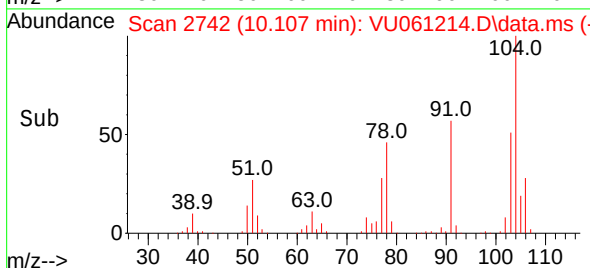
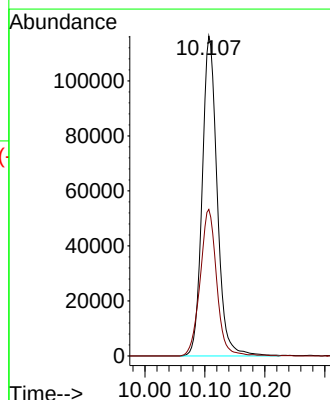
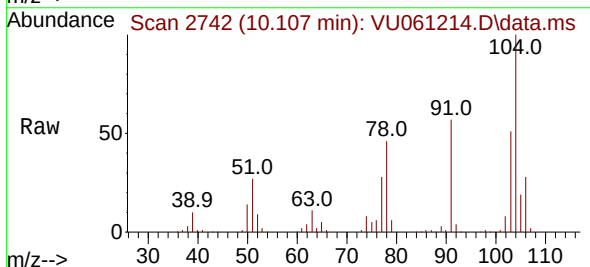
Acq: 25 Oct 2024 09:08

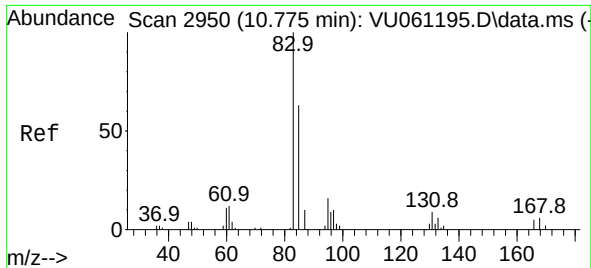
Tgt Ion:104 Resp: 203099

Ion Ratio Lower Upper

104 100

78 45.8 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 4.813 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.003 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

ClientSampleId :

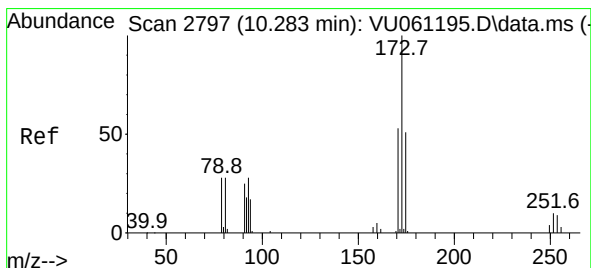
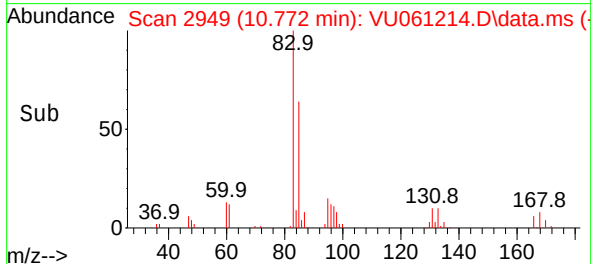
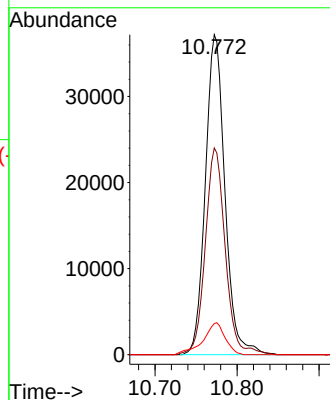
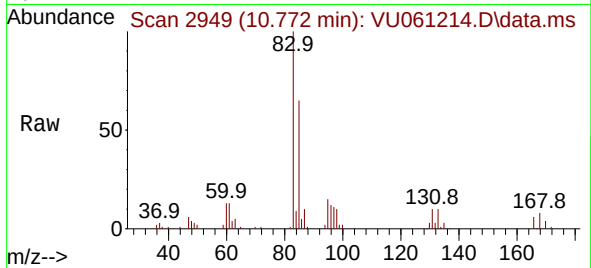
Tgt Ion: 83 Resp: 61526

Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1

131 9.7 7.6 11.4



#59

Bromoform

Concen: 4.755 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

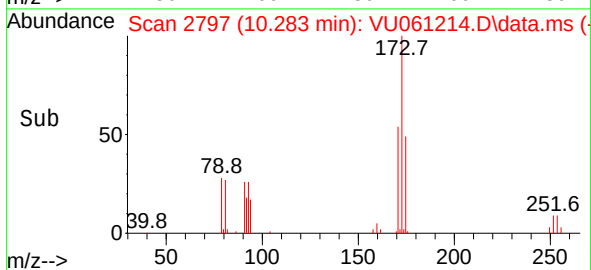
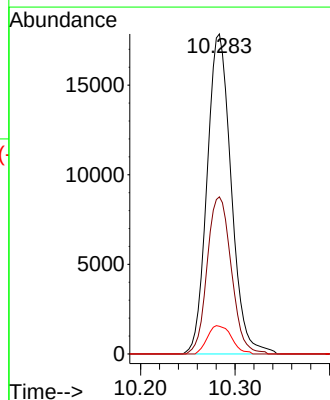
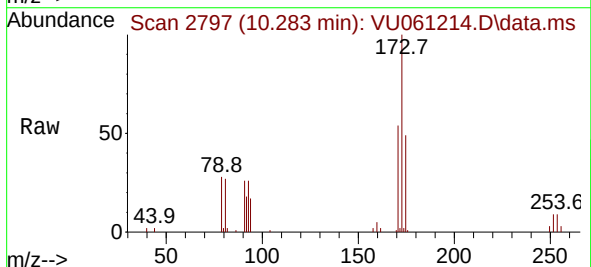
Tgt Ion:173 Resp: 31662

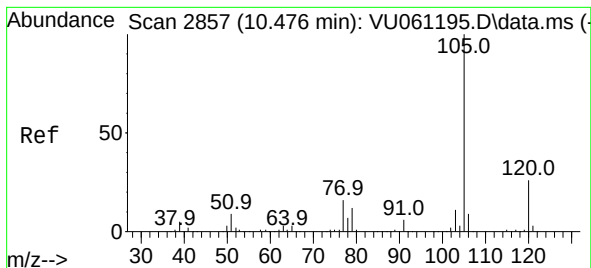
Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

254 8.8 6.8 10.2





#60

Isopropylbenzene

Concen: 4.918 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

ClientSampleId :

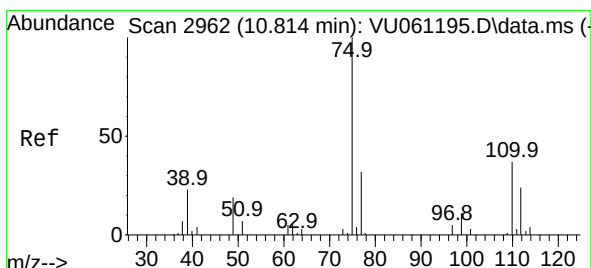
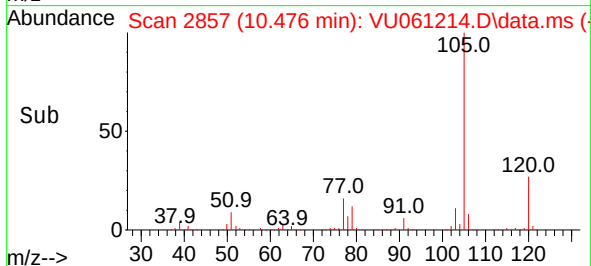
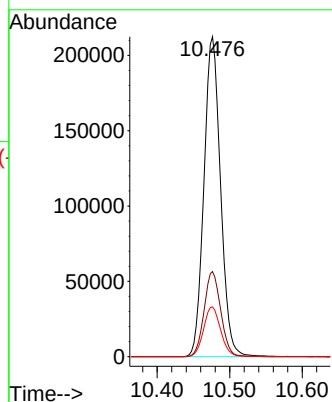
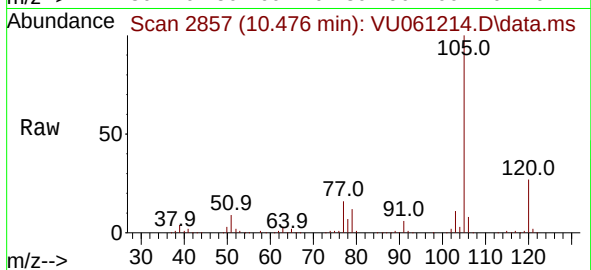
Tgt Ion:105 Resp: 337930

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.821 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

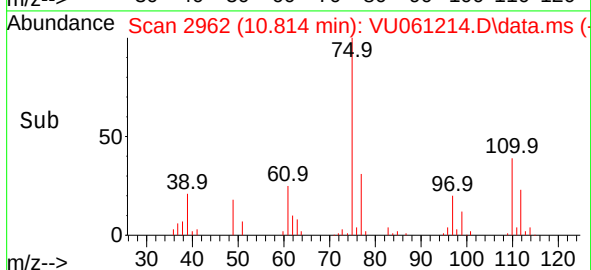
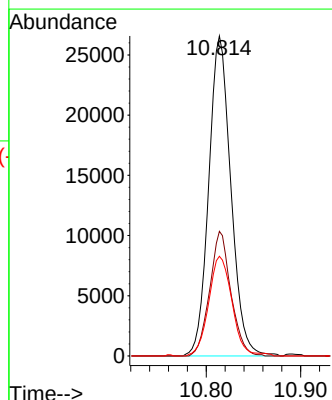
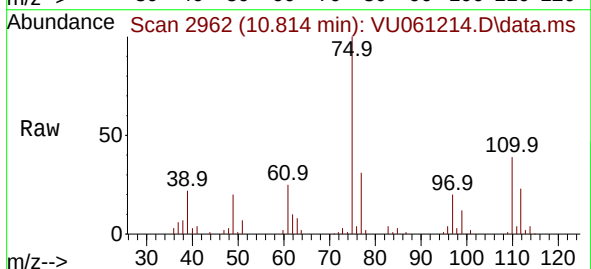
Tgt Ion: 75 Resp: 43192

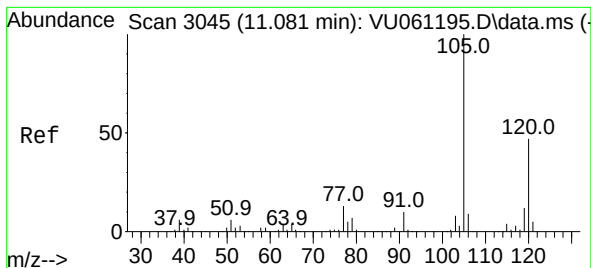
Ion Ratio Lower Upper

75 100

110 37.3 28.8 43.2

77 32.8 25.7 38.5





#62

1,3,5-Trimethylbenzene

Concen: 4.896 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

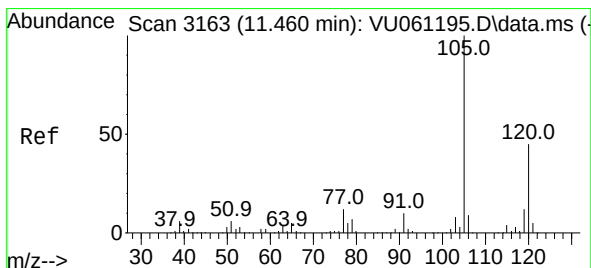
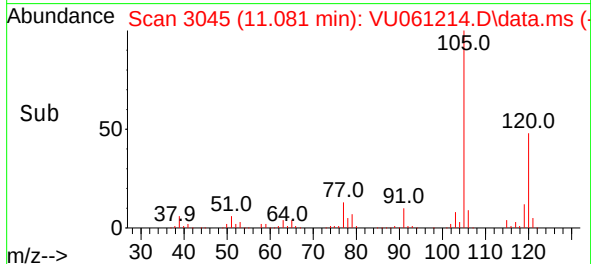
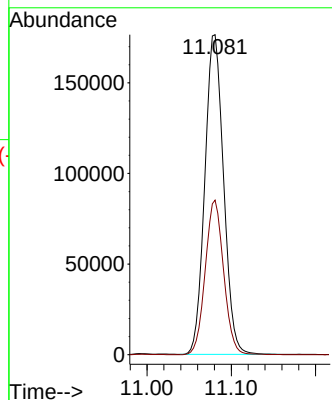
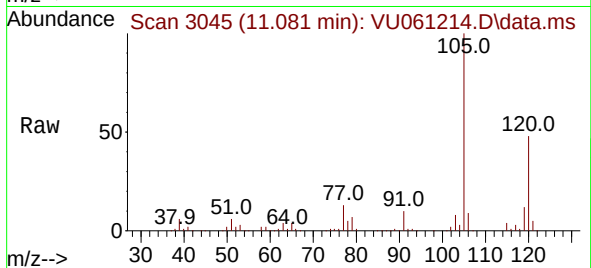
ClientSampleId :

Tgt Ion:105 Resp: 273871

Ion Ratio Lower Upper

105 100

120 47.4 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 4.825 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061214.D

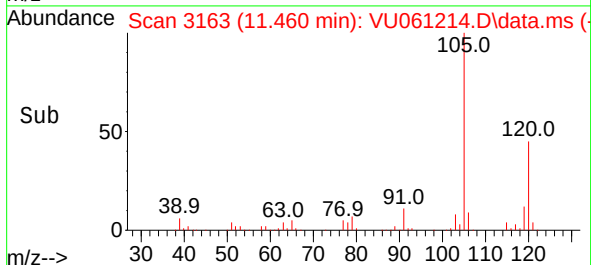
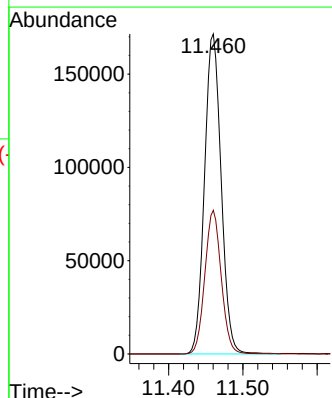
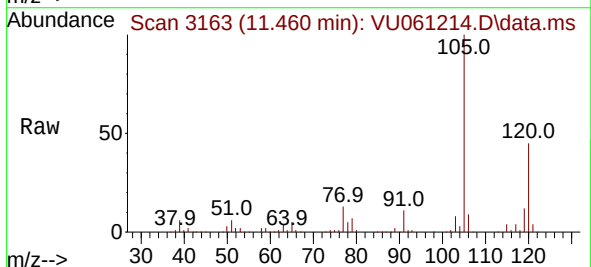
Acq: 25 Oct 2024 09:08

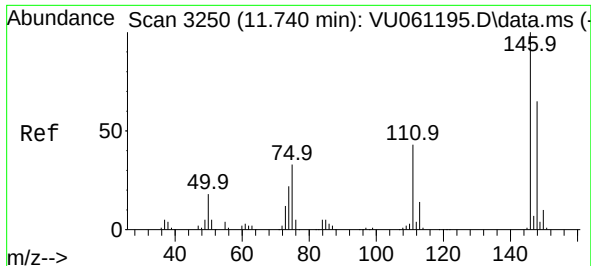
Tgt Ion:105 Resp: 266798

Ion Ratio Lower Upper

105 100

120 44.1 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 4.914 ug/L

RT: 11.737 min Scan# 31

Delta R.T. -0.003 min MSVOA_U

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

ClientSampleId :

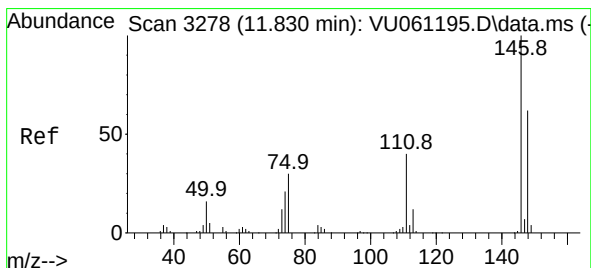
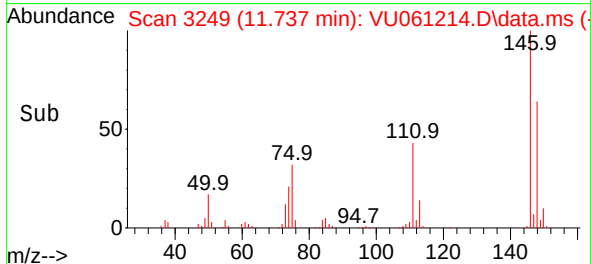
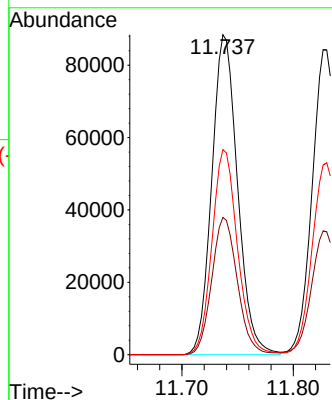
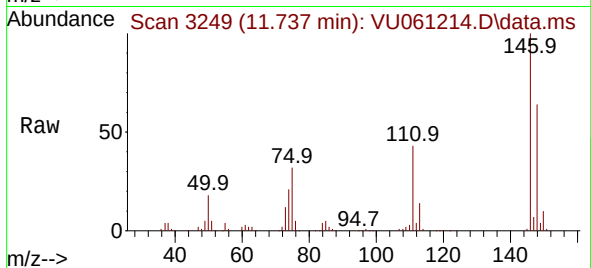
Tgt Ion:146 Resp: 142090

Ion Ratio Lower Upper

146 100

111 42.9 30.0 55.8

148 64.1 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 4.815 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. -0.003 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

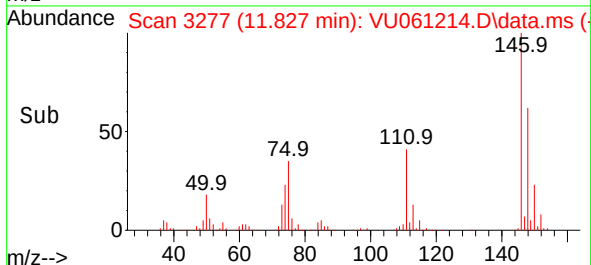
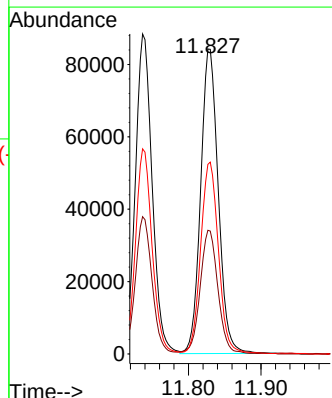
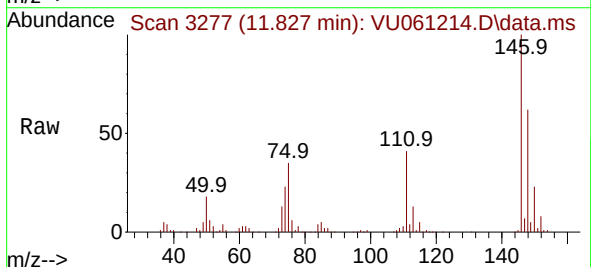
Tgt Ion:146 Resp: 141952

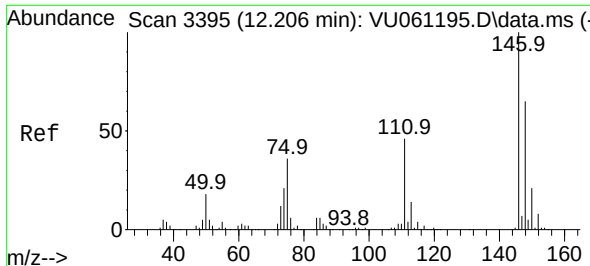
Ion Ratio Lower Upper

146 100

111 40.6 28.2 52.4

148 62.2 43.3 80.3





#67

1,2-Dichlorobenzene

Concen: 4.756 ug/L

RT: 12.203 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

ClientSampleId :

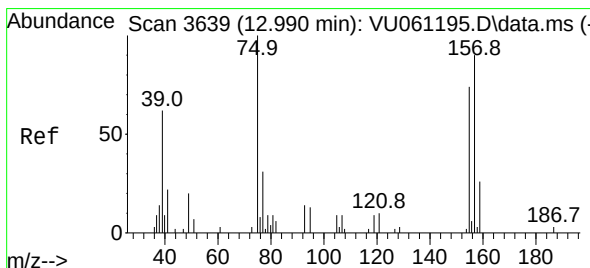
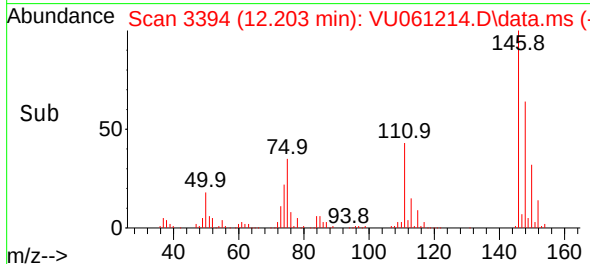
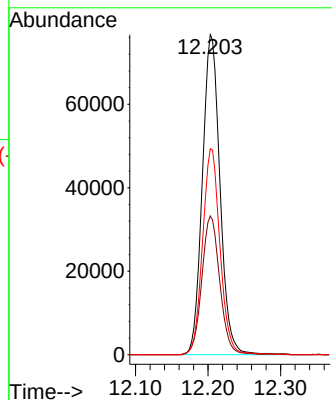
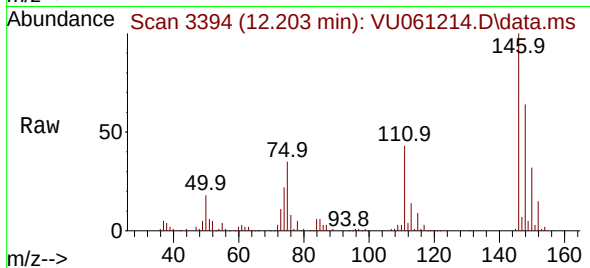
Tgt Ion:146 Resp: 129436

Ion Ratio Lower Upper

146 100

111 43.3 35.2 52.8

148 64.3 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.645 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

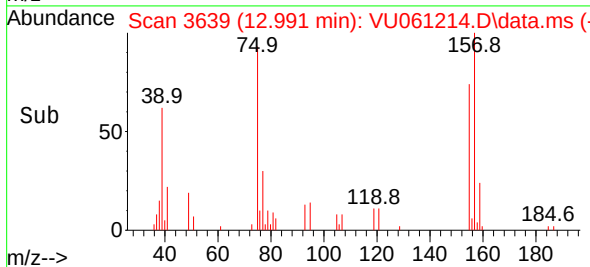
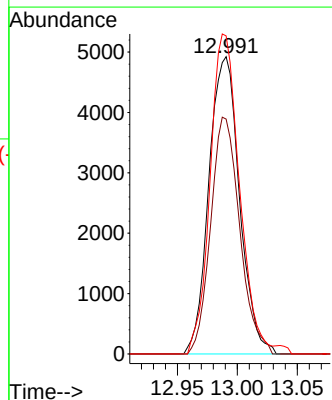
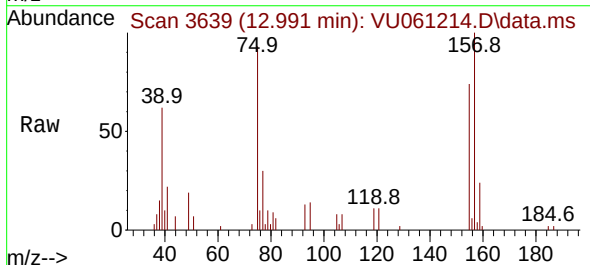
Tgt Ion: 75 Resp: 8738

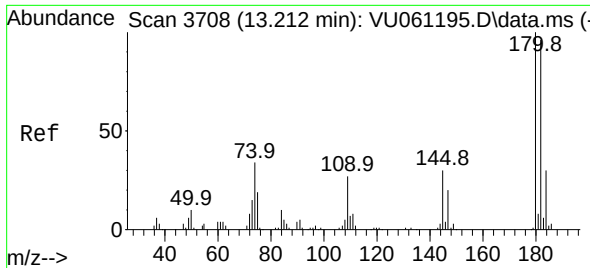
Ion Ratio Lower Upper

75 100

155 79.0 69.3 103.9

157 107.0 81.4 122.2





#69

1,3,5-Trichlorobenzene

Concen: 4.934 ug/L

RT: 13.213 min Scan# 3

Delta R.T. 0.000 min

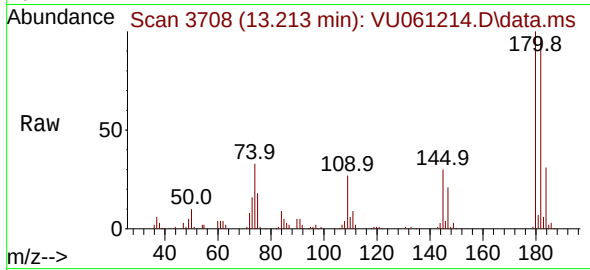
Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 97816

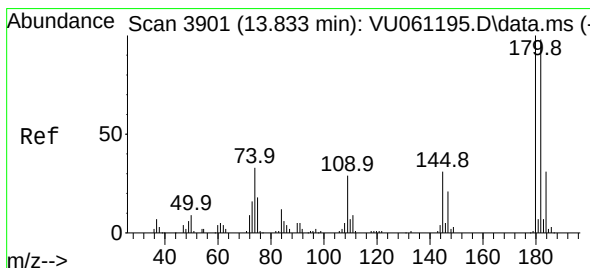
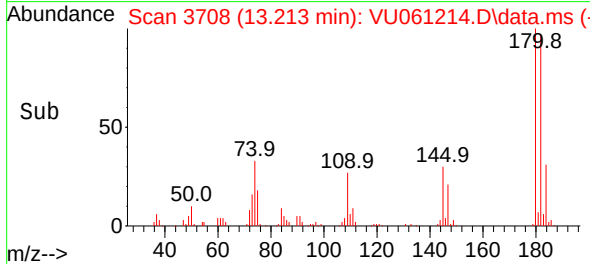
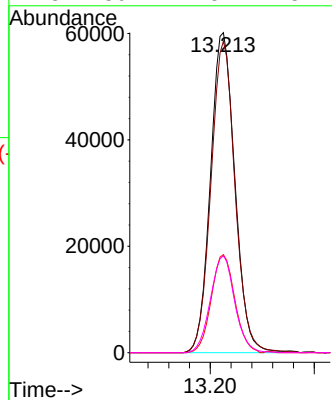
Ion Ratio Lower Upper

180 100

182 96.3 77.4 116.2

184 29.7 24.4 36.6

145 30.2 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.849 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU061214.D

Acq: 25 Oct 2024 09:08

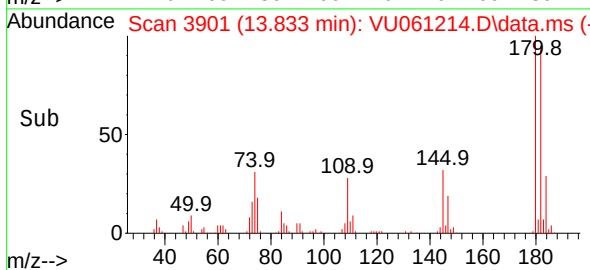
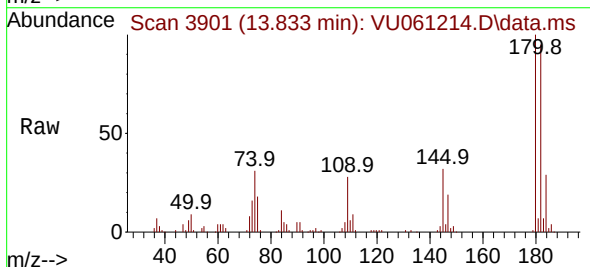
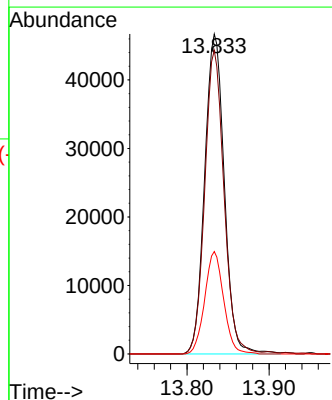
Tgt Ion:180 Resp: 77564

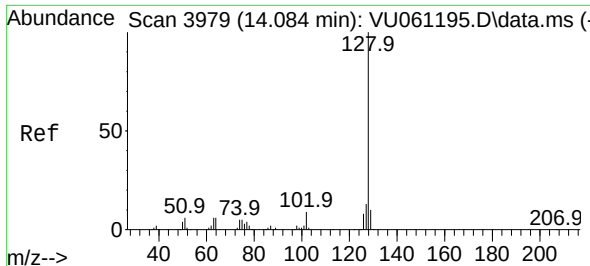
Ion Ratio Lower Upper

180 100

182 93.0 77.2 115.8

145 30.9 25.6 38.4

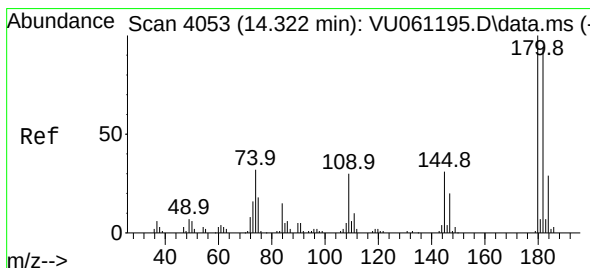
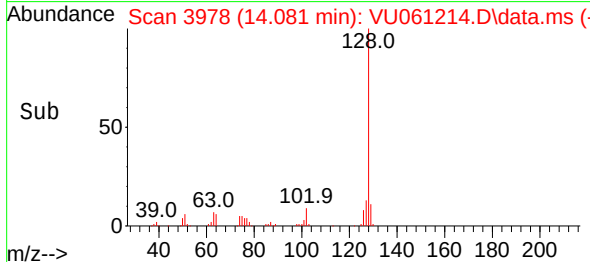
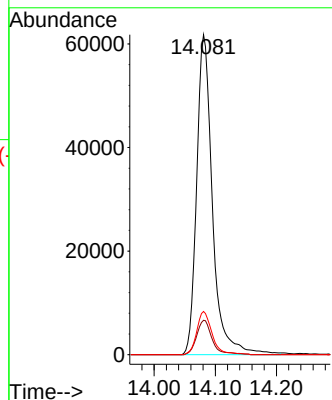
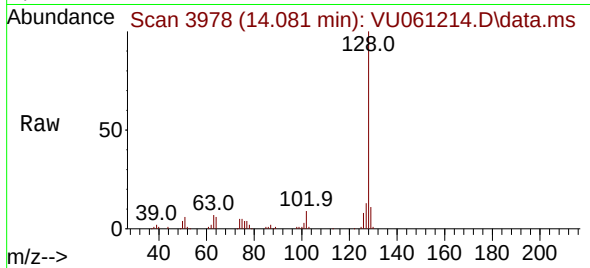




#71
Naphthalene
Concen: 4.394 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 110920
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.4
127 13.1 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 4.698 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU061214.D
Acq: 25 Oct 2024 09:08

Tgt Ion:180 Resp: 62880
Ion Ratio Lower Upper
180 100
182 94.9 76.0 114.0
145 33.3 26.5 39.7

