

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092524\
 Data File : VU061011.D
 Acq On : 25 Sep 2024 17:58
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 26 05:42:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 26 05:34:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	143903	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	145127	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	74787	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	51646	3.990	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.800%
7) Chloroethane-d5	1.911	69	45818	4.972	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.560	65	19080	4.159	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	4.637	46	117861	56.723	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.440%
24) Chloroform-d	5.052	84	97309	4.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.695	65	46136	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.718	84	173873	4.470	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	6.682	67	58706	4.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.891	98	156126	4.402	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
43) trans-1,3-Dichloroprop...	8.174	79	20566	4.747	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.627	63	98915	57.883	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.760%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	49028	5.200	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	55339	4.404	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.383	85	51647	4.755	ug/L	99
3) Chloromethane	1.515	50	61773	5.383	ug/L	94
5) Vinyl chloride	1.599	62	64481	5.192	ug/L	97
6) Bromomethane	1.853	94	35838	4.516	ug/L	97
8) Chloroethane	1.930	64	42489	5.600	ug/L	98
9) Trichlorofluoromethane	2.133	101	90089	5.281	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	49541	4.998	ug/L	99
12) 1,1-Dichloroethene	2.573	96	44482	4.914	ug/L	94
13) Acetone	2.660	43	72802	52.518	ug/L	94
14) Carbon disulfide	2.785	76	112331	4.473	ug/L	99
15) Methyl Acetate	2.956	43	18084	5.351	ug/L	94
16) Methylene chloride	3.039	84	52174	4.977	ug/L	95
17) Methyl tert-butyl Ether	3.358	73	104050	5.086	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	43444	4.632	ug/L	95
19) 1,1-Dichloroethane	3.859	63	100746	5.350	ug/L	99
21) 2-Butanone	4.714	43	122613	54.336	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	52157	5.024	ug/L	98
23) Bromochloromethane	4.968	128	23832	4.861	ug/L	84
25) Chloroform	5.078	83	103480	5.270	ug/L	97

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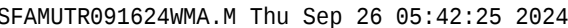
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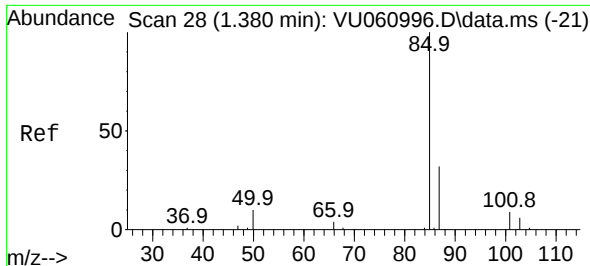
Quant Time: Sep 26 05:42:16 2024
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	58880	5.175	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	84687	5.405	ug/L	98
30) Cyclohexane	5.380	56	62996	4.892	ug/L	97
31) Carbon tetrachloride	5.515	117	71973	5.188	ug/L	97
33) Benzene	5.766	78	208992	5.237	ug/L	100
34) Trichloroethene	6.534	95	52867	5.054	ug/L	98
35) Methylcyclohexane	6.756	83	65127	4.538	ug/L	96
37) 1,2-Dichloropropane	6.782	63	57928	5.268	ug/L #	97
38) Bromodichloromethane	7.097	83	72079	5.344	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	74894	5.121	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	295748	57.597	ug/L	97
42) Toluene	7.962	91	221069	5.298	ug/L	96
44) trans-1,3-Dichloropropene	8.203	75	66302	5.513	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	41896	5.278	ug/L	99
47) Tetrachloroethene	8.544	164	38867	4.675	ug/L	97
48) 2-Hexanone	8.676	43	230383	61.554	ug/L	97
49) Dibromochloromethane	8.801	129	47891	5.299	ug/L	98
50) 1,2-Dibromoethane	8.917	107	37416	5.281	ug/L #	98
51) Chlorobenzene	9.441	112	139080	4.964	ug/L	98
52) Ethylbenzene	9.563	91	225348	5.130	ug/L	98
53) m,p-Xylene	9.685	106	86305	5.182	ug/L	100
54) o-Xylene	10.094	106	81942	4.986	ug/L	93
55) Styrene	10.107	104	143212	5.170	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	51687	5.220	ug/L	100
59) Bromoform	10.283	173	27340	4.851	ug/L	95
60) Isopropylbenzene	10.476	105	218531	4.931	ug/L	98
61) 1,2,3-Trichloropropane	10.814	75	33929	4.864	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	161114	4.677	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	165240	4.855	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	109461	4.912	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	105799	4.593	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	100392	4.764	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.987	75	6901	5.067	ug/L	92
69) 1,3,5-Trichlorobenzene	13.209	180	71471	4.287	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	53752	4.578	ug/L	97
71) Naphthalene	14.081	128	72006	4.649	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	47137	4.646	ug/L	98

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

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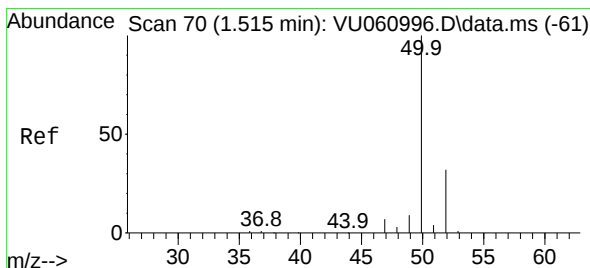
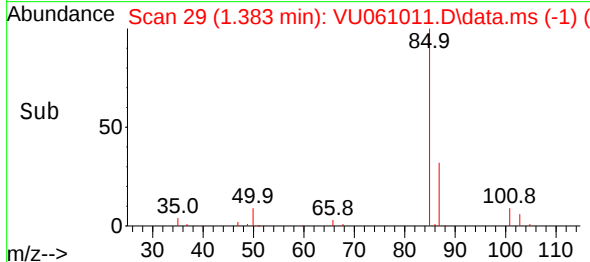
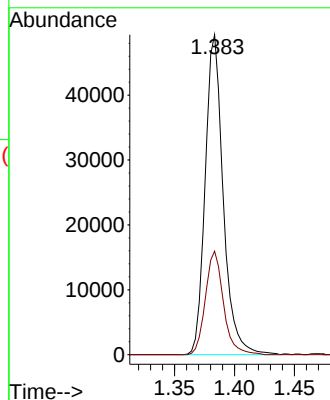
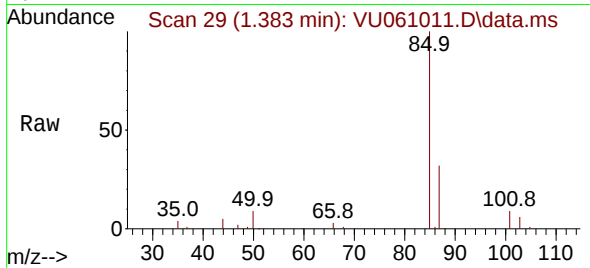




#2
 Dichlorodifluoromethane
 Concen: 4.755 ug/L
 RT: 1.383 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VU061011.D
 Acq: 25 Sep 2024 17:58

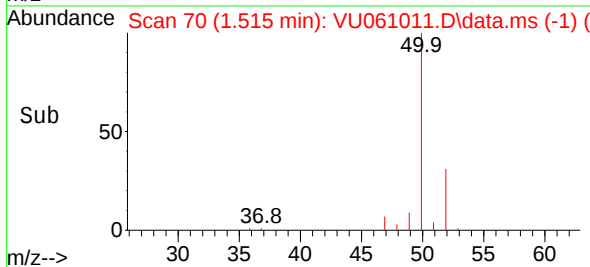
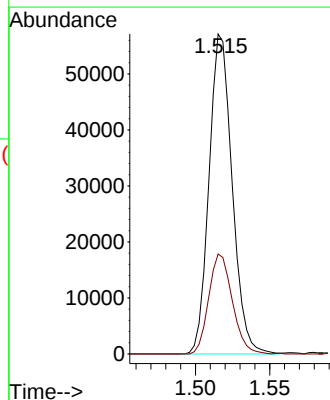
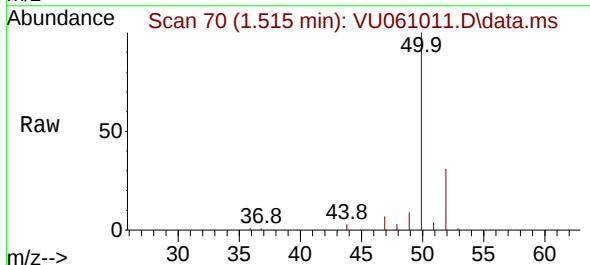
Instrument :
 MSVOA_U
 ClientSampleId :

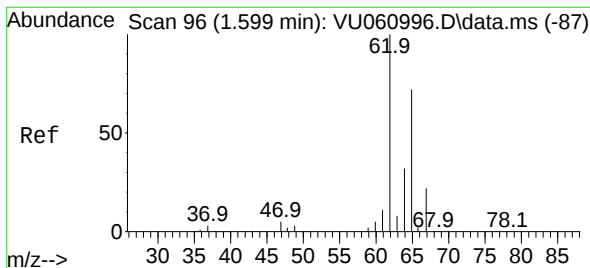
Tgt Ion: 85 Resp: 51647
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.2 39.2



#3
 Chloromethane
 Concen: 5.383 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU061011.D
 Acq: 25 Sep 2024 17:58

Tgt Ion: 50 Resp: 61773
 Ion Ratio Lower Upper
 50 100
 52 31.3 24.4 45.4





#5

Vinyl chloride

Concen: 5.192 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

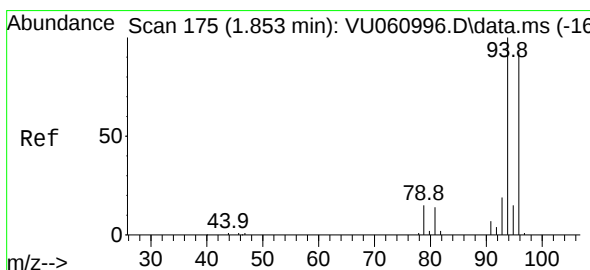
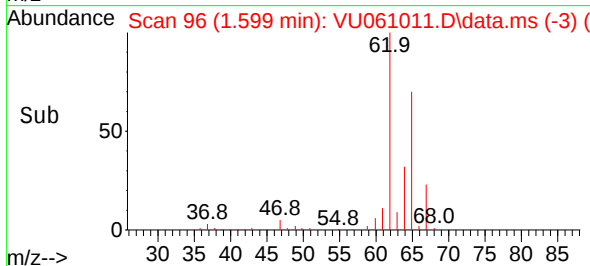
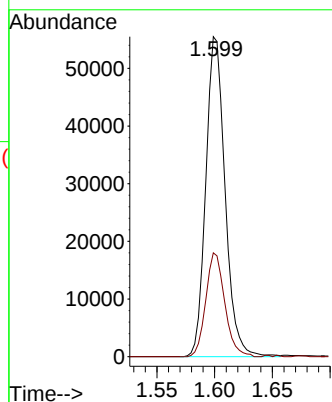
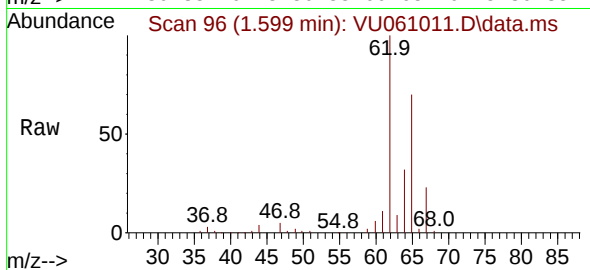
ClientSampleId :

Tgt Ion: 62 Resp: 64481

Ion Ratio Lower Upper

62 100

64 32.4 24.0 44.6



#6

Bromomethane

Concen: 4.516 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU061011.D

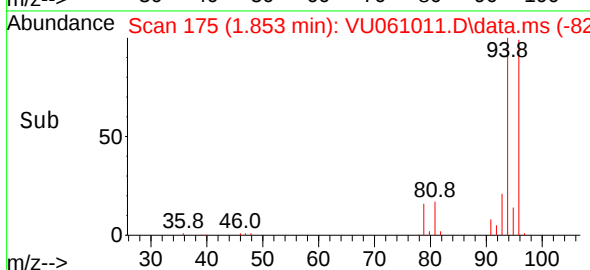
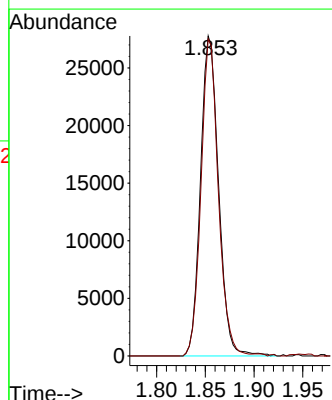
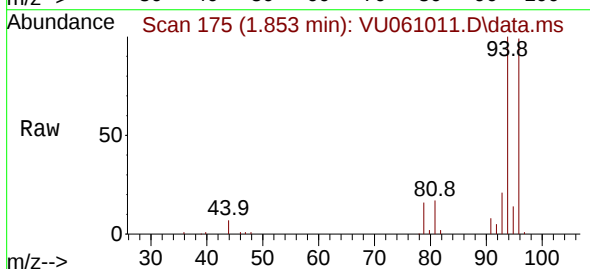
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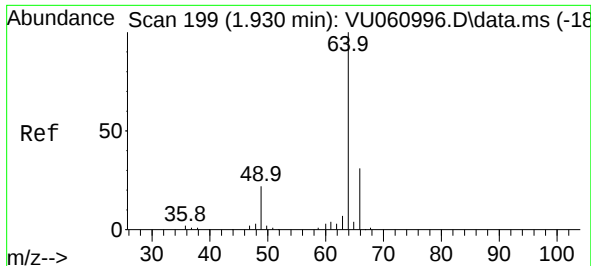
Tgt Ion: 94 Resp: 35838

Ion Ratio Lower Upper

94 100

96 99.1 67.3 124.9

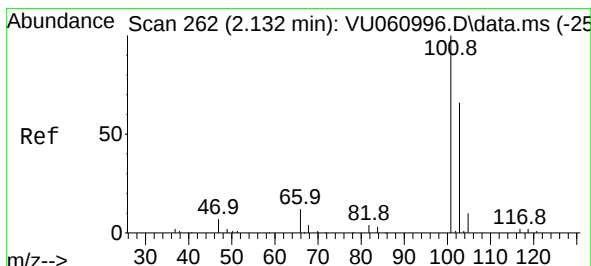
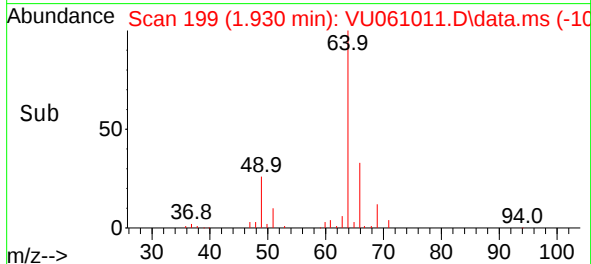
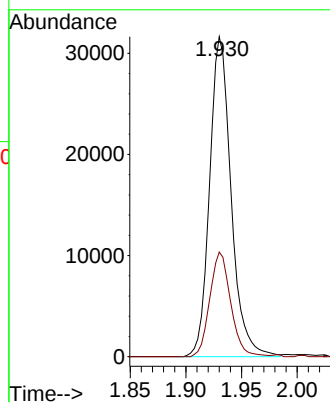
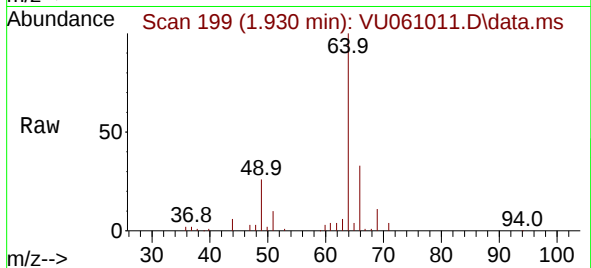




#8
Chloroethane
Concen: 5.600 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

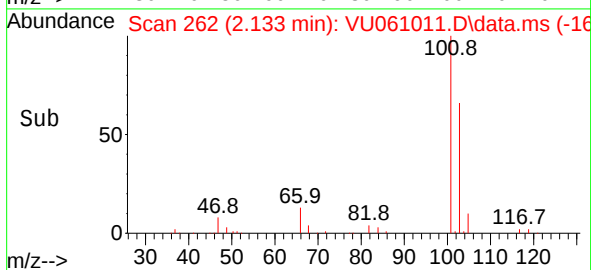
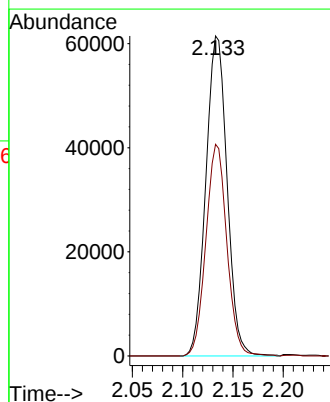
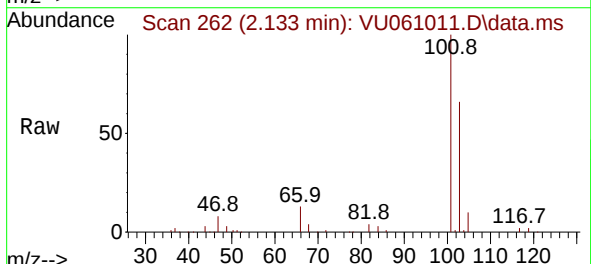
Instrument :
MSVOA_U
ClientSampleId :

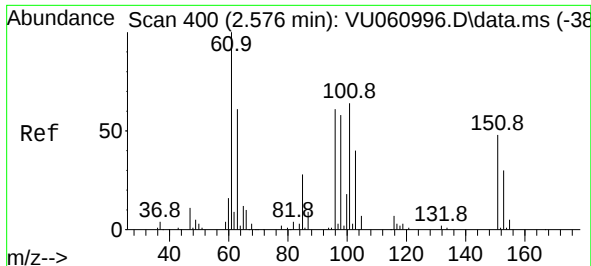
Tgt Ion: 64 Resp: 42489
Ion Ratio Lower Upper
64 100
66 32.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.281 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

Tgt Ion:101 Resp: 90089
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.2





#10

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

Concen: 4.998 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

ClientSampleId :

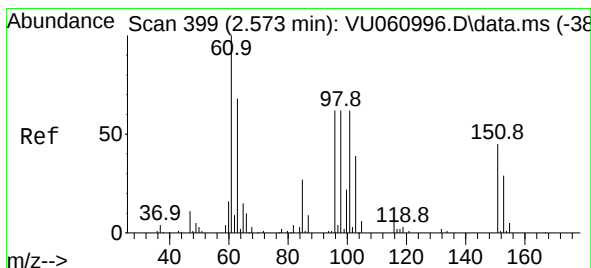
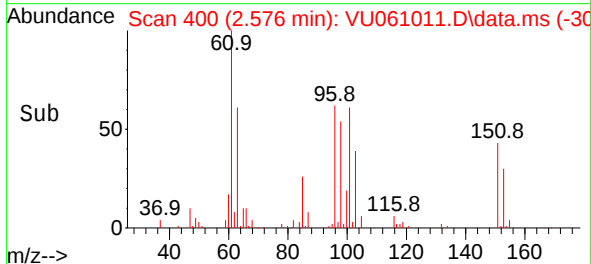
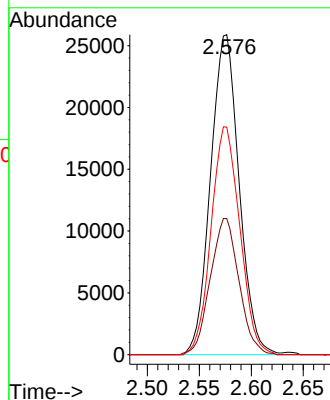
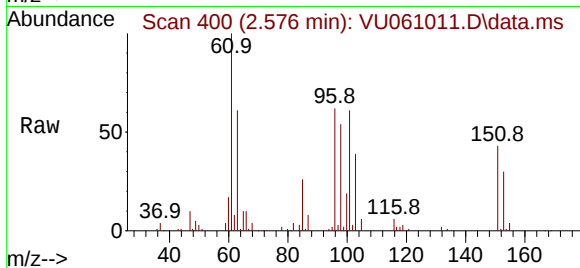
Tgt Ion:101 Resp: 49541

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

151 71.6 58.6 88.0



#12

1,1-Dichloroethene

Concen: 4.914 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

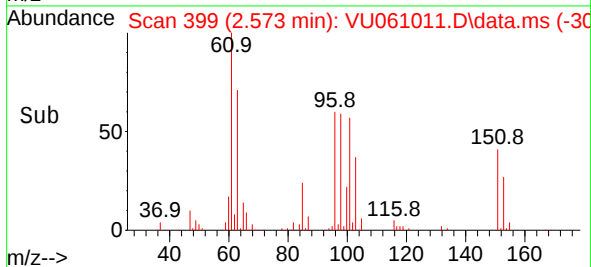
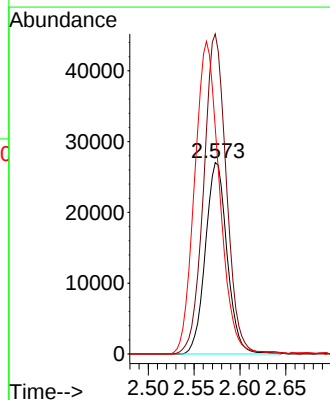
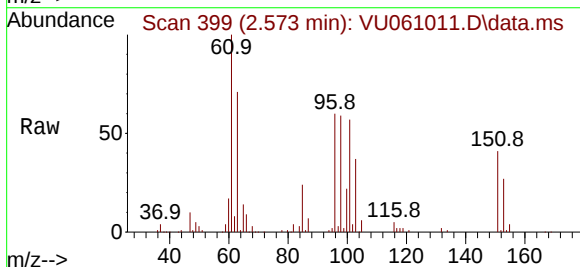
Tgt Ion: 96 Resp: 44482

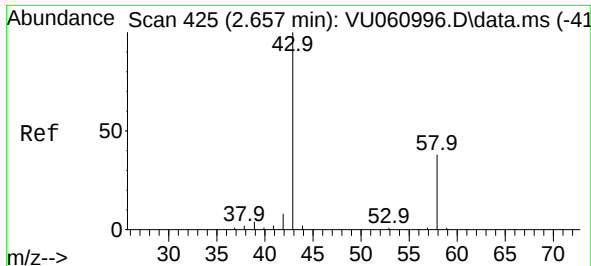
Ion Ratio Lower Upper

96 100

61 167.2 120.7 224.1

63 118.3 90.0 167.2





#13

Acetone

Concen: 52.518 ug/L

RT: 2.660 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

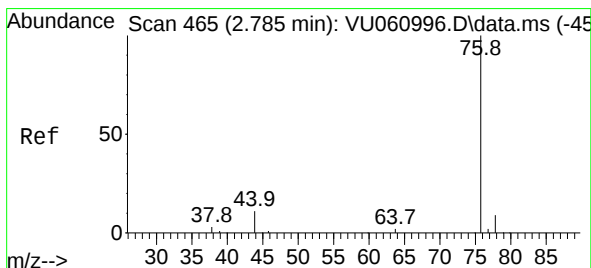
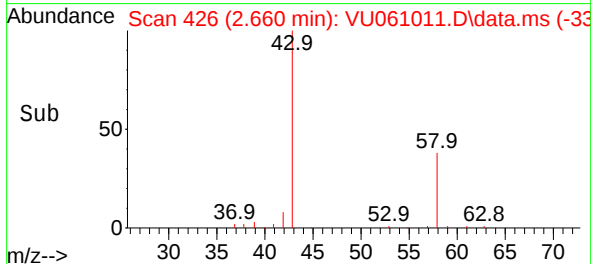
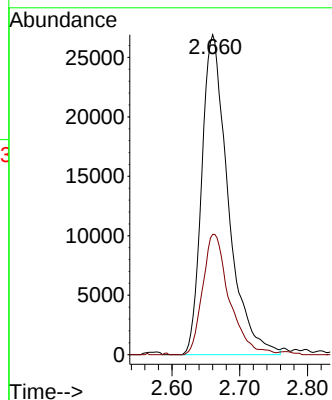
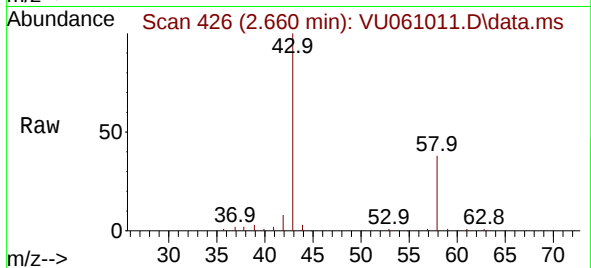
ClientSampleId :

Tgt Ion: 43 Resp: 72802

Ion Ratio Lower Upper

43 100

58 38.1 0.0 69.6



#14

Carbon disulfide

Concen: 4.473 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU061011.D

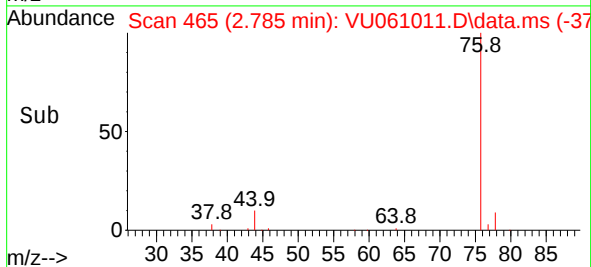
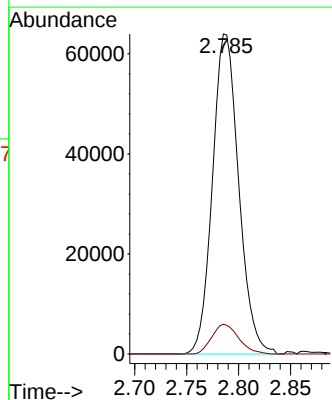
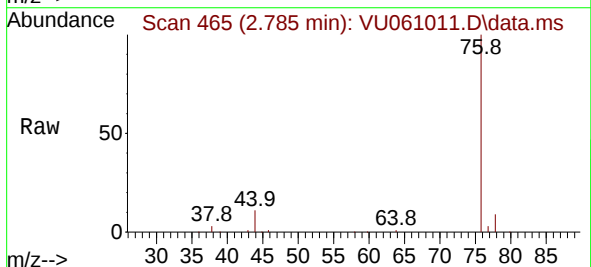
Acq: 25 Sep 2024 17:58

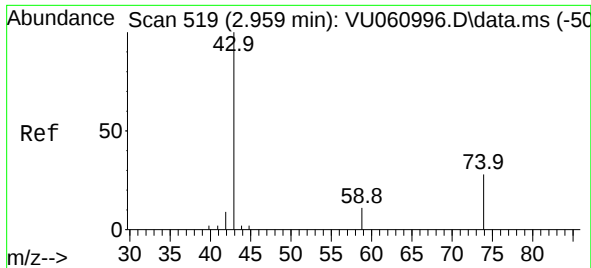
Tgt Ion: 76 Resp: 112331

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7





#15

Methyl Acetate

Concen: 5.351 ug/L

RT: 2.956 min Scan# 519

Delta R.T. -0.003 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

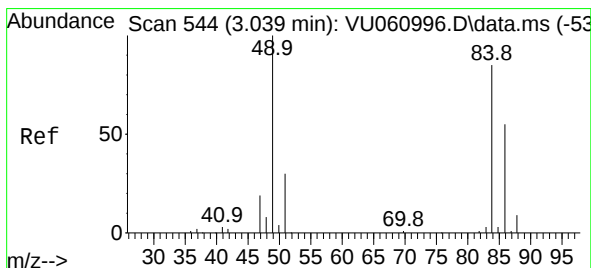
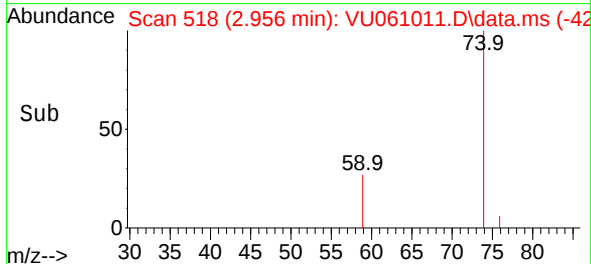
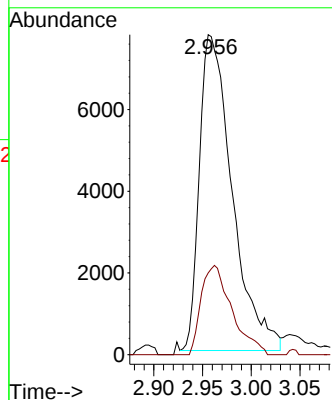
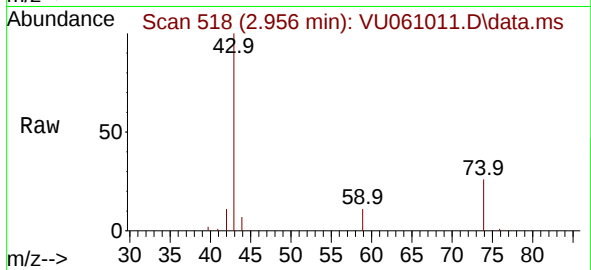
ClientSampleId :

Tgt Ion: 43 Resp: 18084

Ion Ratio Lower Upper

43 100

74 26.5 18.9 28.3



#16

Methylene chloride

Concen: 4.977 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

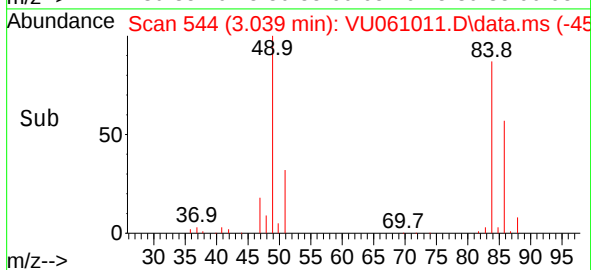
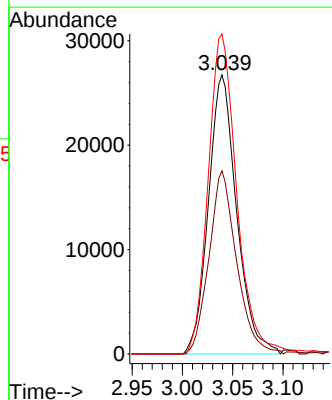
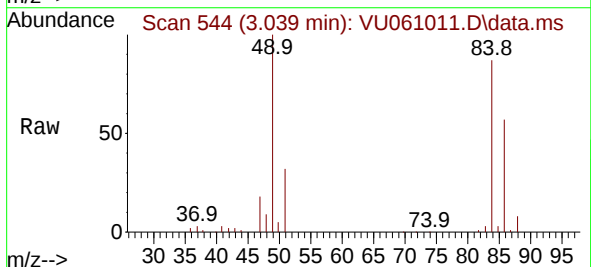
Tgt Ion: 84 Resp: 52174

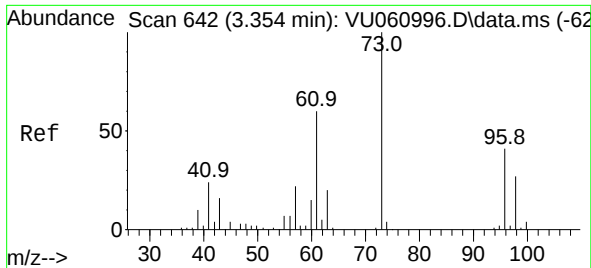
Ion Ratio Lower Upper

84 100

86 65.6 47.3 87.8

49 120.2 78.7 146.1

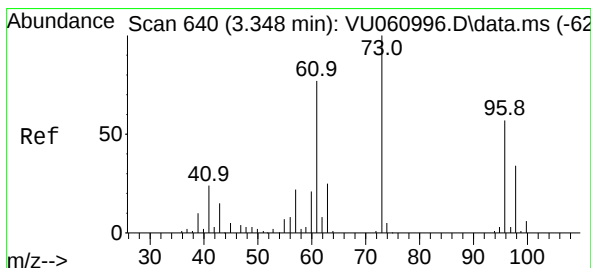
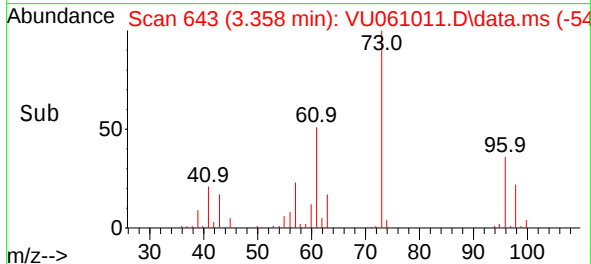
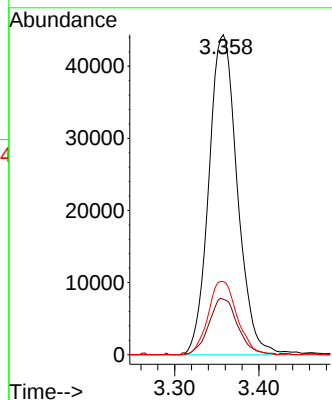
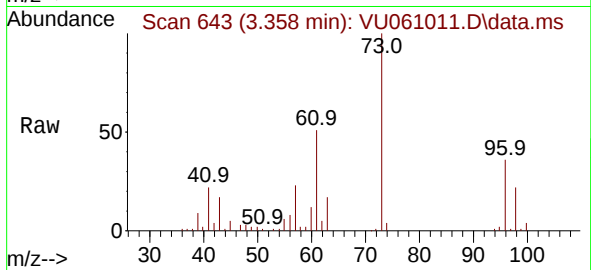




#17
Methyl tert-butyl Ether
Concen: 5.086 ug/L
RT: 3.358 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

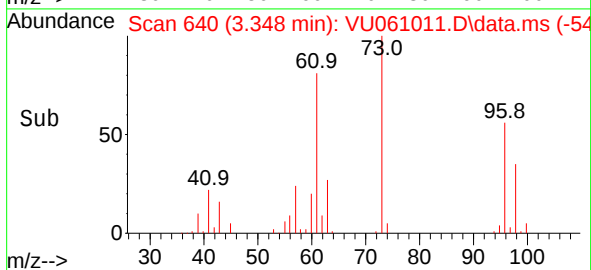
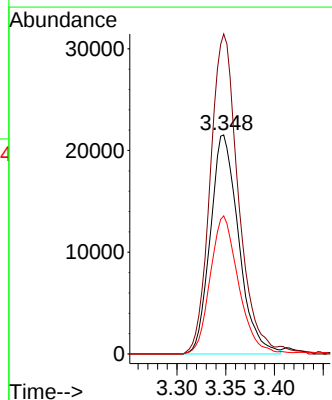
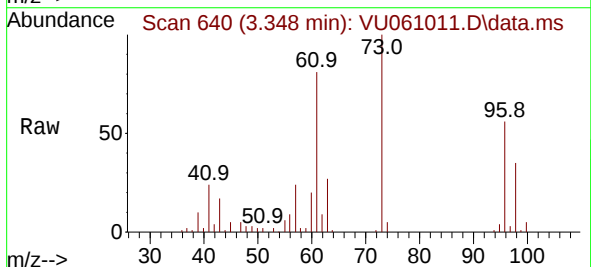
Instrument :
MSVOA_U
ClientSampleId :

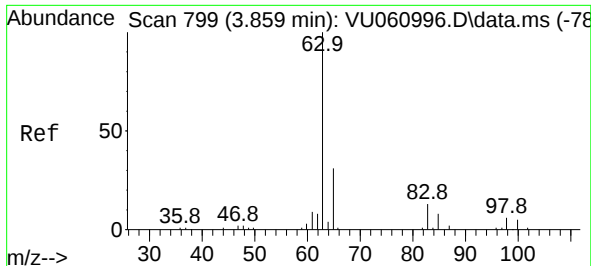
Tgt Ion: 73 Resp: 104050
Ion Ratio Lower Upper
73 100
43 17.9 13.8 20.8
57 23.3 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 4.632 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

Tgt Ion: 96 Resp: 43444
Ion Ratio Lower Upper
96 100
61 146.1 97.2 180.6
98 63.0 43.3 80.5

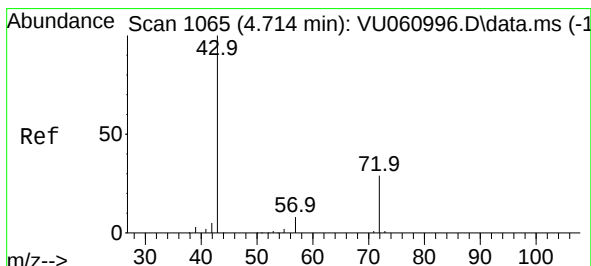
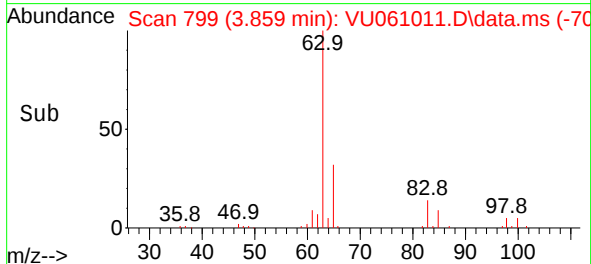
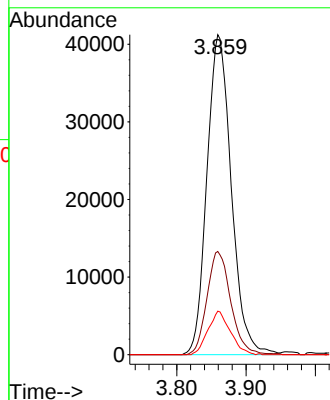
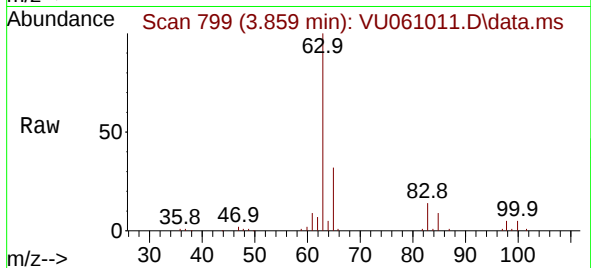




#19
1,1-Dichloroethane
Concen: 5.350 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

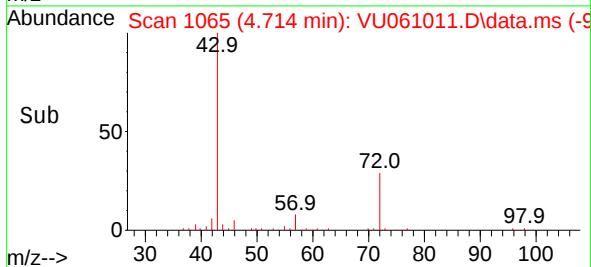
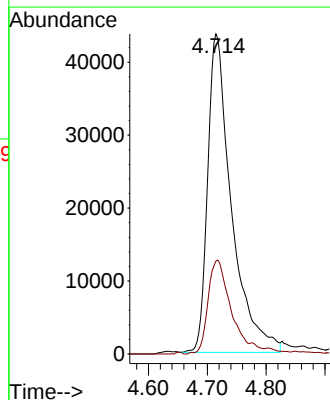
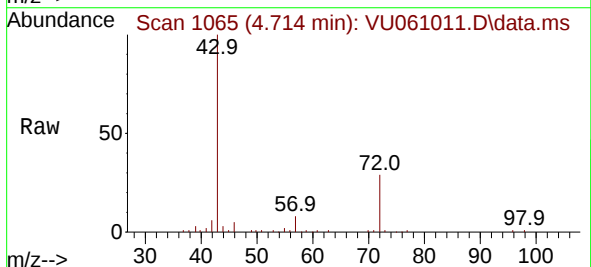
Instrument :
MSVOA_U
ClientSampleId :

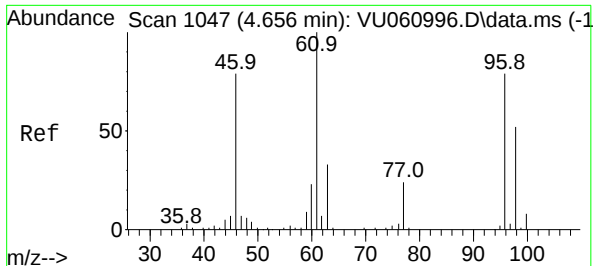
Tgt Ion: 63 Resp: 100746
Ion Ratio Lower Upper
63 100
65 32.8 23.0 42.8
83 13.6 9.0 16.6



#21
2-Butanone
Concen: 54.336 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

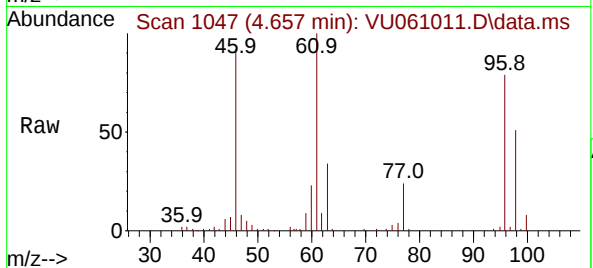
Tgt Ion: 43 Resp: 122613
Ion Ratio Lower Upper
43 100
72 28.7 14.8 44.3





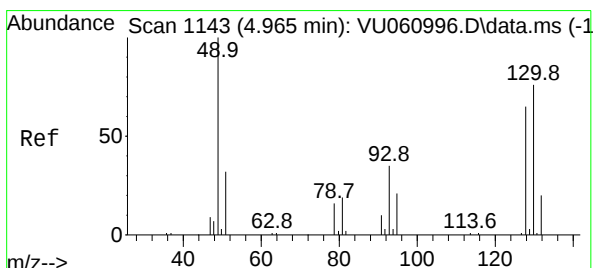
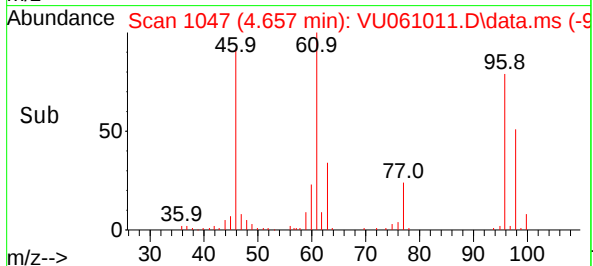
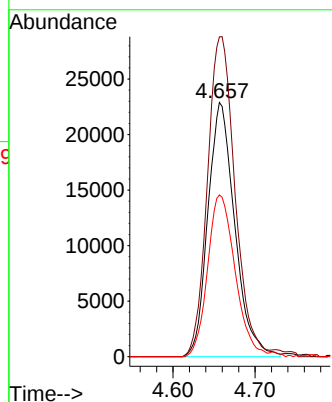
#22
cis-1,2-Dichloroethene
Concen: 5.024 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 52157

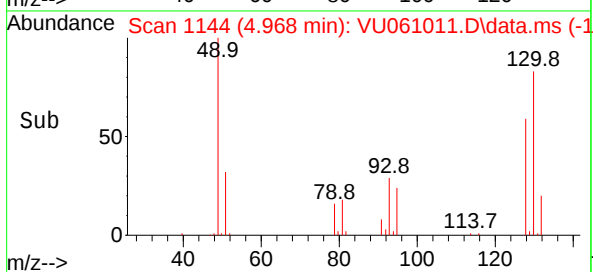
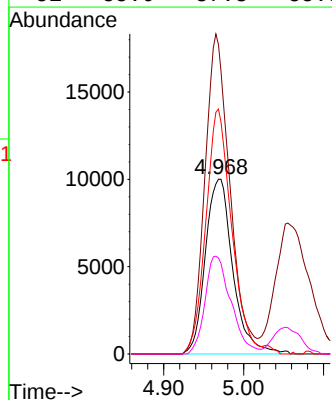
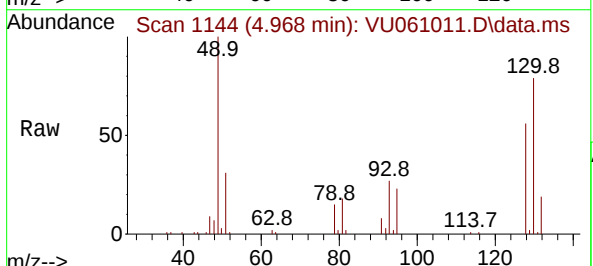
Ion	Ratio	Lower	Upper
96	100		
61	125.8	89.7	166.5
98	63.6	45.1	83.9

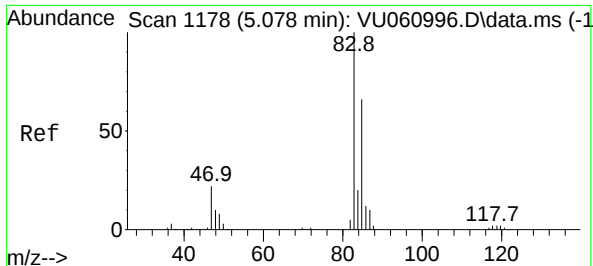


#23
Bromochloromethane
Concen: 4.861 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.003 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

Tgt Ion: 128 Resp: 23832

Ion	Ratio	Lower	Upper
128	100		
49	183.0	109.6	203.6
130	140.2	87.8	163.0
51	55.0	37.3	55.9





#25

Chloroform

Concen: 5.270 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

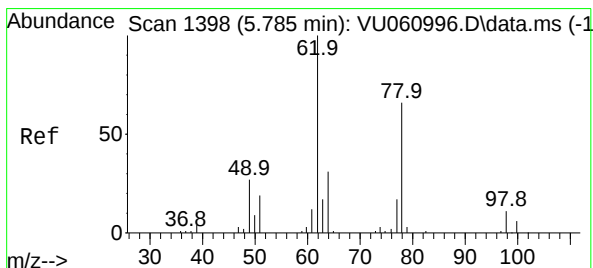
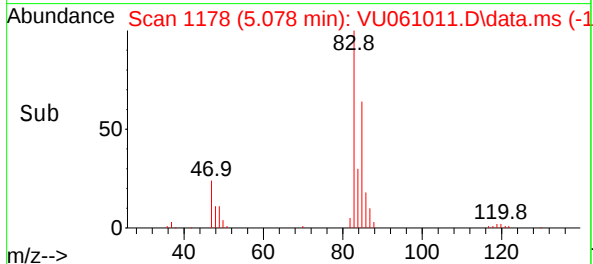
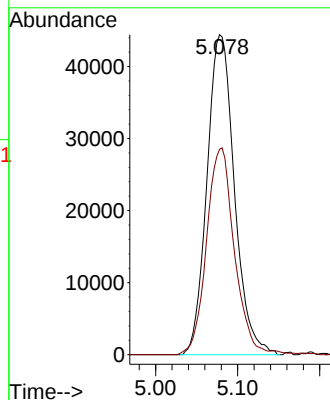
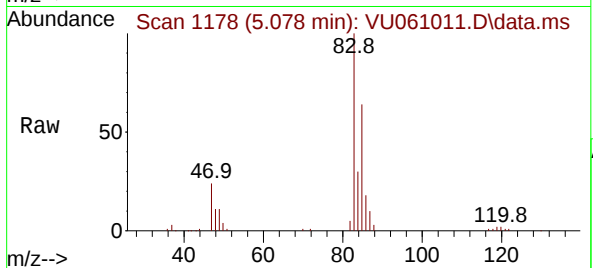
ClientSampleId :

Tgt Ion: 83 Resp: 103480

Ion Ratio Lower Upper

83 100

85 64.2 46.8 86.8



#27

1,2-Dichloroethane

Concen: 5.175 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU061011.D

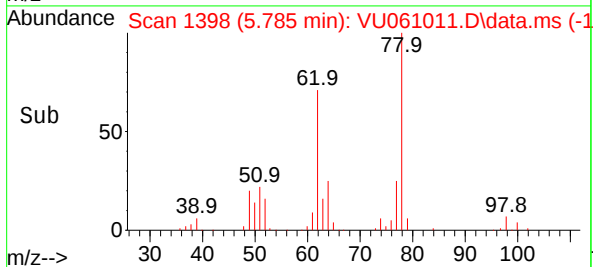
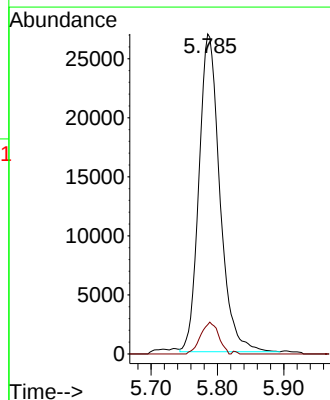
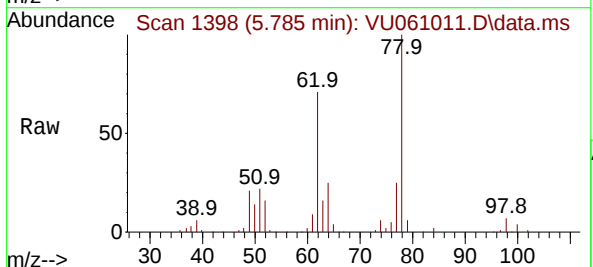
Acq: 25 Sep 2024 17:58

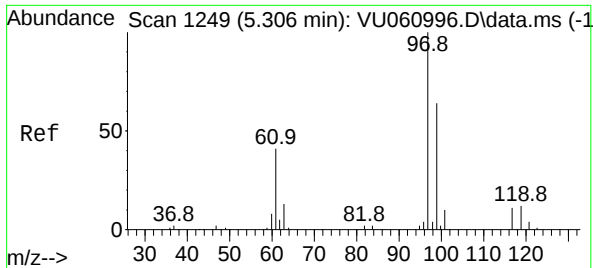
Tgt Ion: 62 Resp: 58880

Ion Ratio Lower Upper

62 100

98 9.1 8.2 12.4

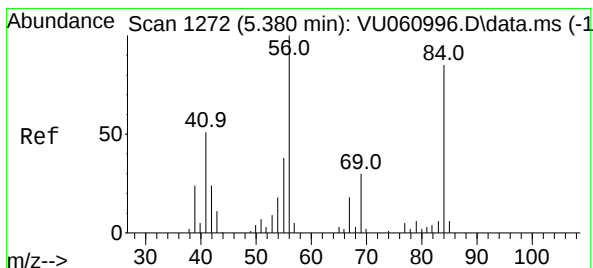
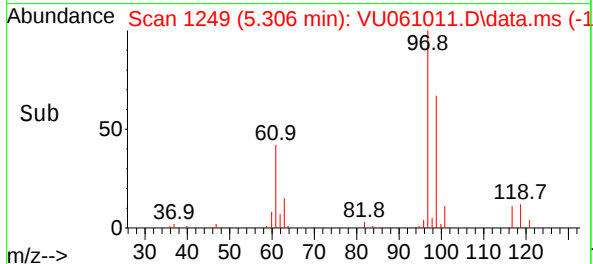
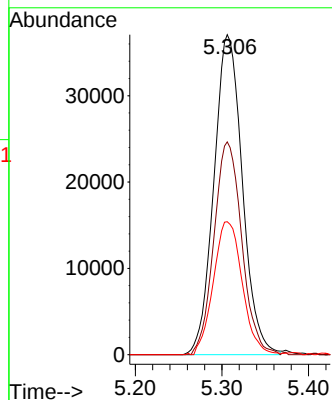
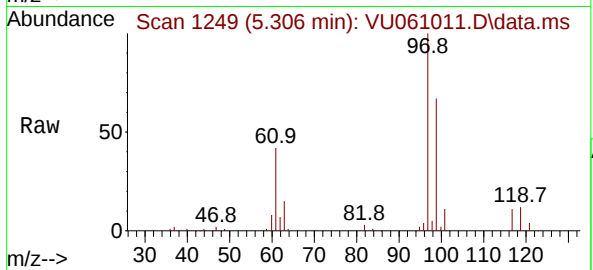




#29
1,1,1-Trichloroethane
Concen: 5.405 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

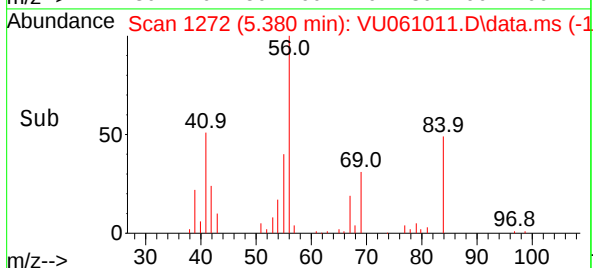
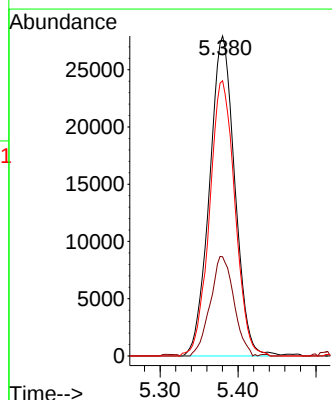
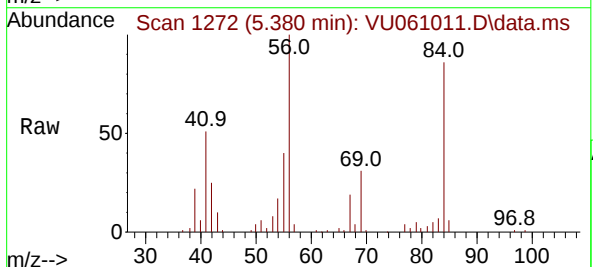
Instrument :
MSVOA_U
ClientSampleId :

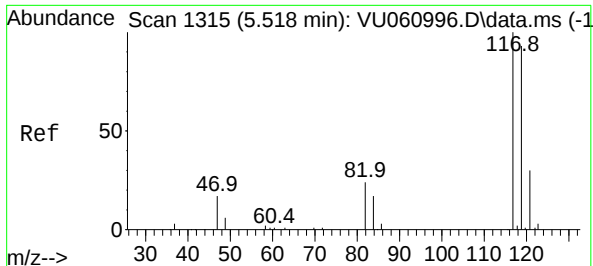
Tgt Ion: 97 Resp: 84687
Ion Ratio Lower Upper
97 100
99 65.0 50.5 75.7
61 42.2 34.4 51.6



#30
Cyclohexane
Concen: 4.892 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

Tgt Ion: 56 Resp: 62996
Ion Ratio Lower Upper
56 100
69 29.1 25.4 38.0
84 86.2 71.0 106.6

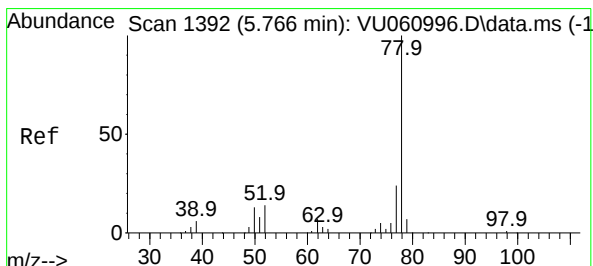
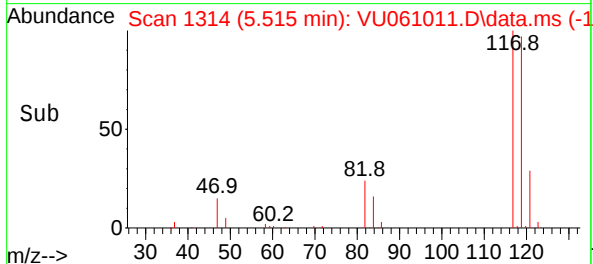
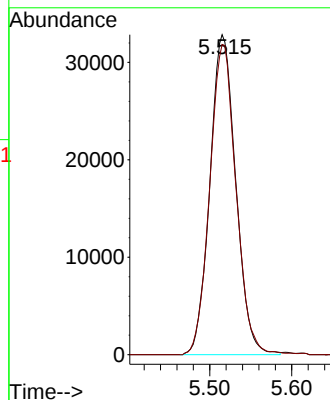
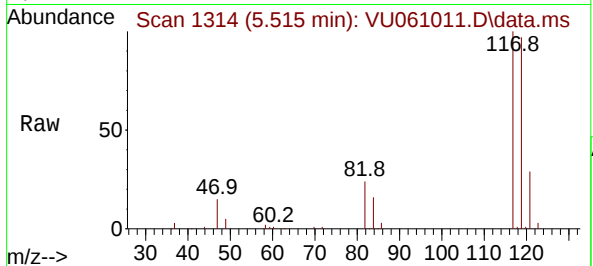




#31
Carbon tetrachloride
Concen: 5.188 ug/L
RT: 5.515 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

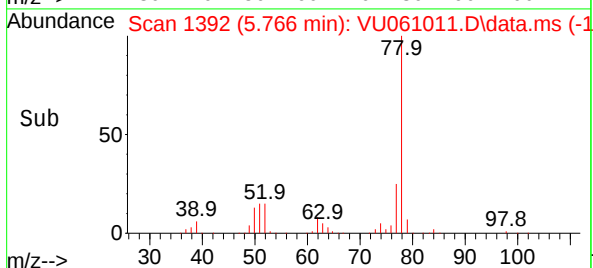
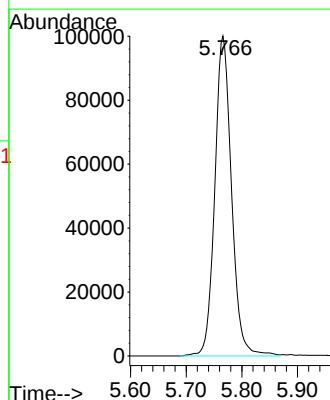
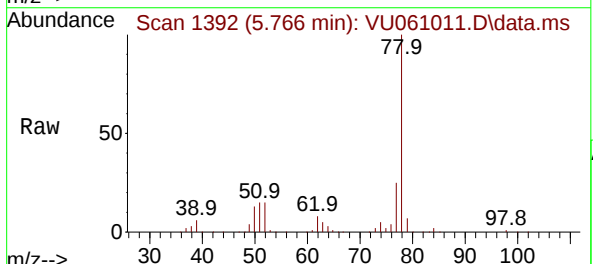
Instrument :
MSVOA_U
ClientSampleId :

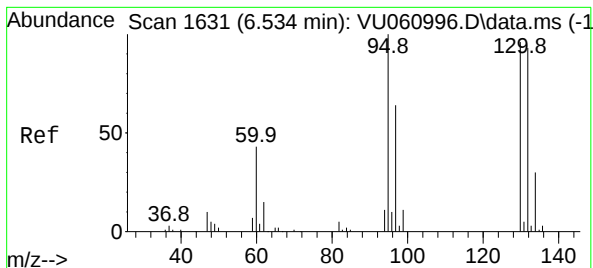
Tgt Ion:117 Resp: 71973
Ion Ratio Lower Upper
117 100
119 98.5 76.3 114.5



#33
Benzene
Concen: 5.237 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

Tgt Ion: 78 Resp: 208992





#34

Trichloroethene

Concen: 5.054 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 52867

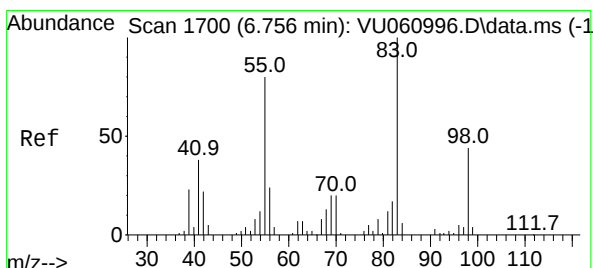
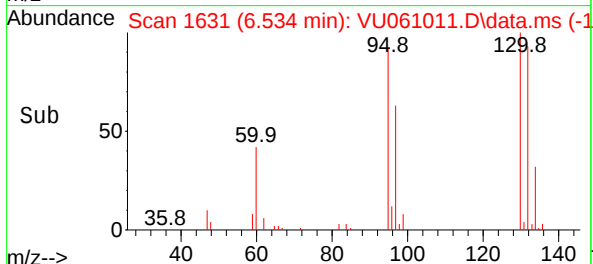
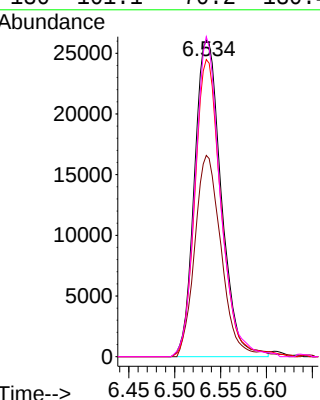
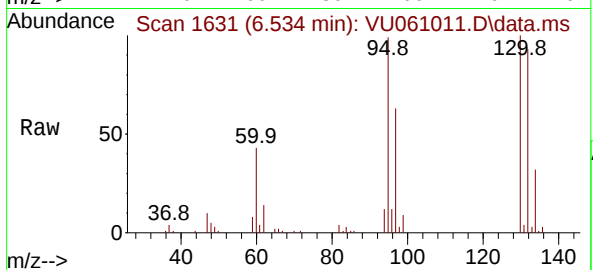
Ion Ratio Lower Upper

95 100

97 63.6 44.9 83.5

132 93.9 63.5 117.9

130 101.1 70.2 130.4



#35

Methylcyclohexane

Concen: 4.538 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

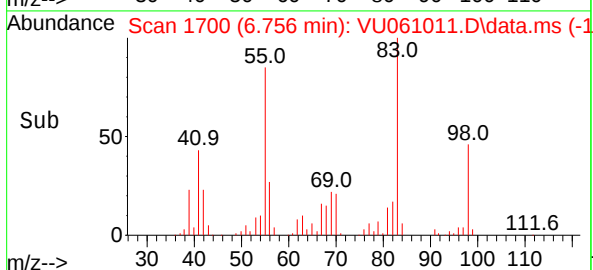
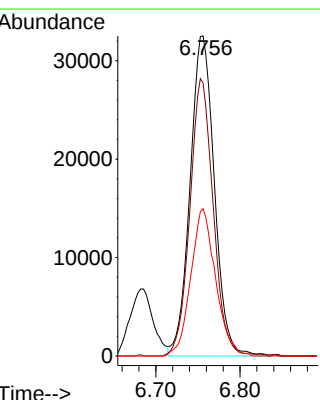
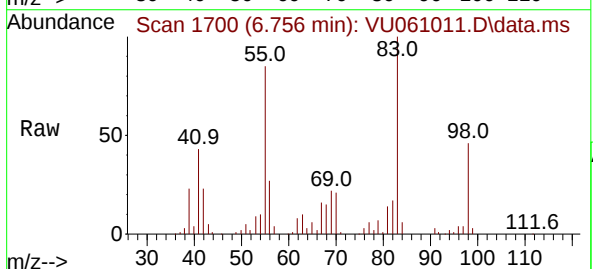
Tgt Ion: 83 Resp: 65127

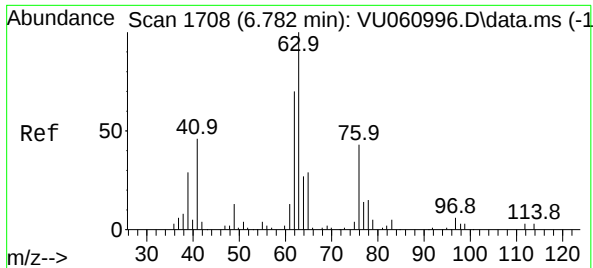
Ion Ratio Lower Upper

83 100

55 83.2 62.6 94.0

98 47.1 37.6 56.4

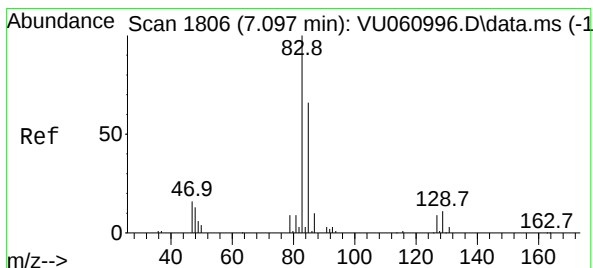
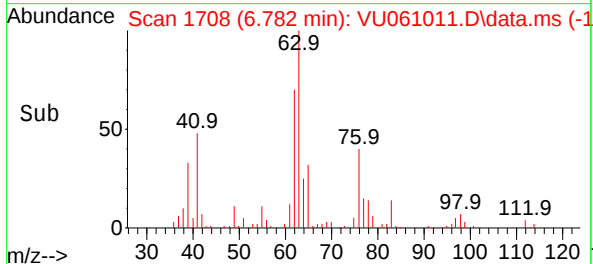
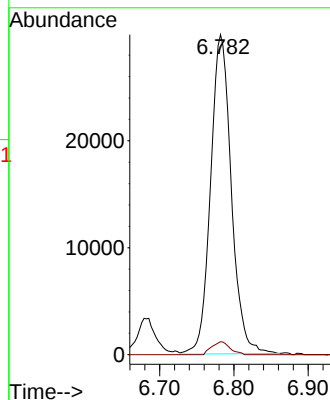
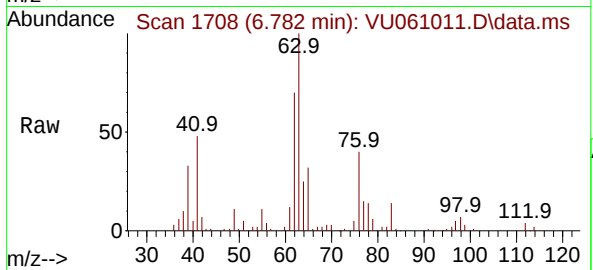




#37
1,2-Dichloropropane
Concen: 5.268 ug/L
RT: 6.782 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

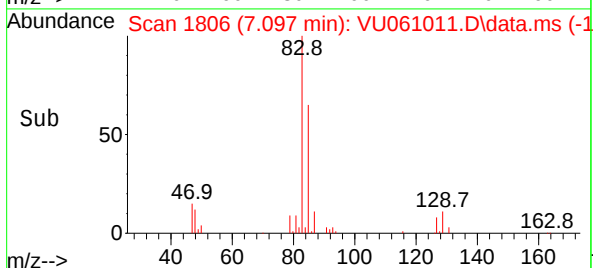
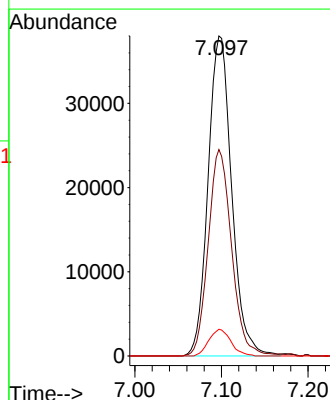
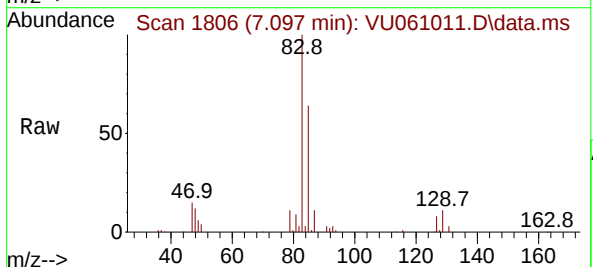
Instrument :
MSVOA_U
ClientSampleId :

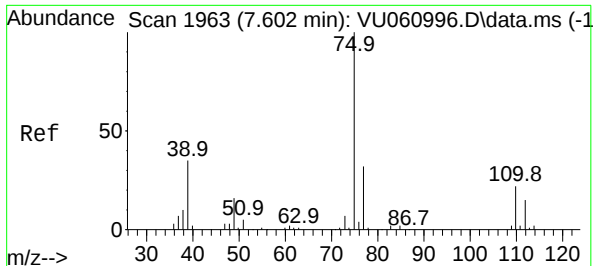
Tgt Ion: 63 Resp: 57928
Ion Ratio Lower Upper
63 100
112 3.5 2.0 3.0#



#38
Bromodichloromethane
Concen: 5.344 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

Tgt Ion: 83 Resp: 72079
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.8
127 8.3 7.0 10.6

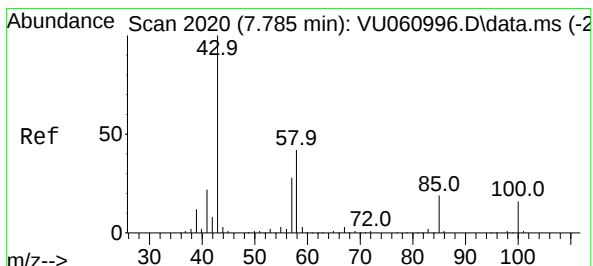
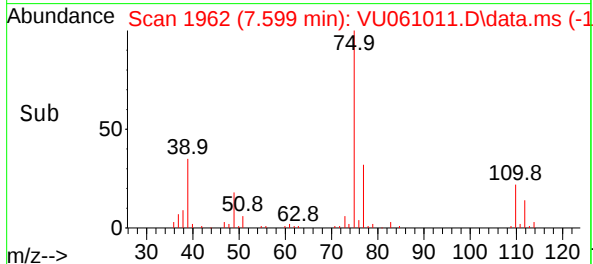
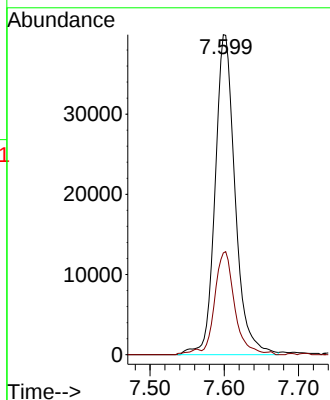
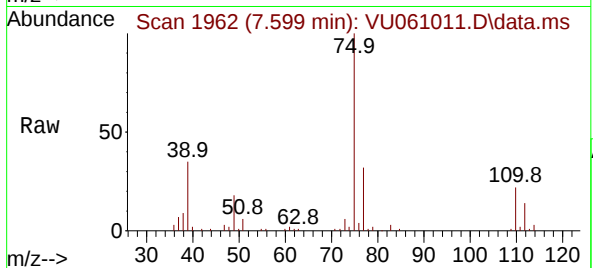




#39
 cis-1,3-Dichloropropene
 Concen: 5.121 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. -0.003 min
 Lab File: VU061011.D
 Acq: 25 Sep 2024 17:58

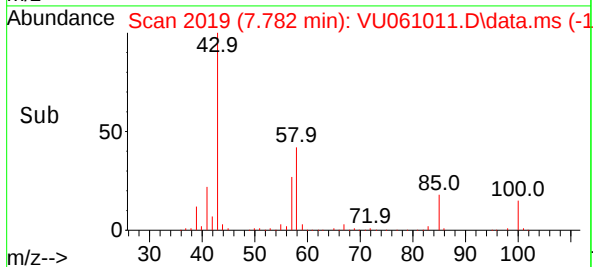
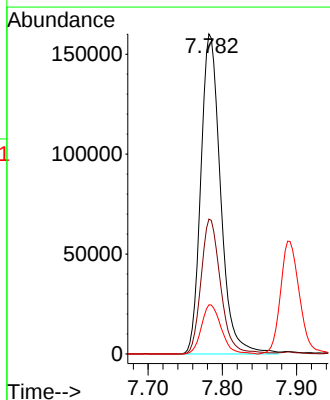
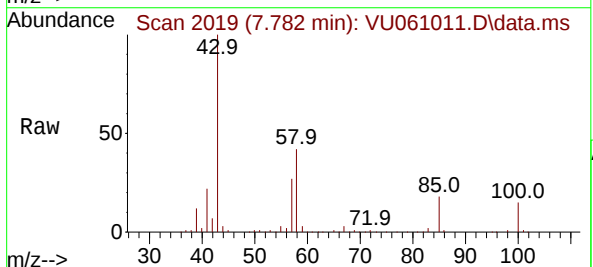
Instrument :
 MSVOA_U
 ClientSampleId :

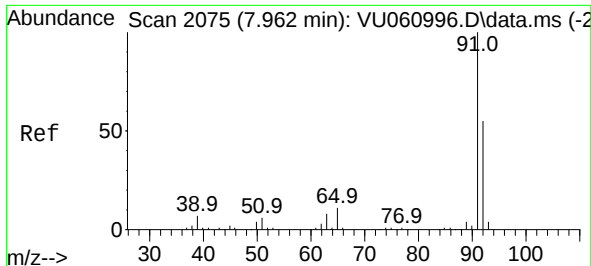
Tgt Ion: 75 Resp: 74894
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 57.597 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.003 min
 Lab File: VU061011.D
 Acq: 25 Sep 2024 17:58

Tgt Ion: 43 Resp: 295748
 Ion Ratio Lower Upper
 43 100
 58 41.9 34.9 52.3
 100 15.4 13.4 20.0





#42

Toluene

Concen: 5.298 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

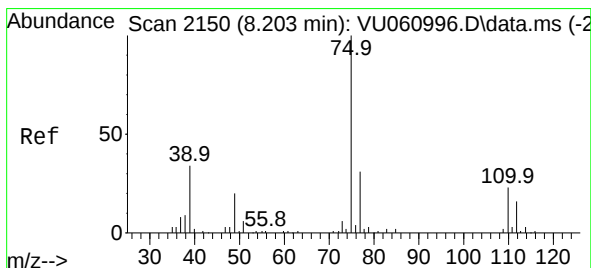
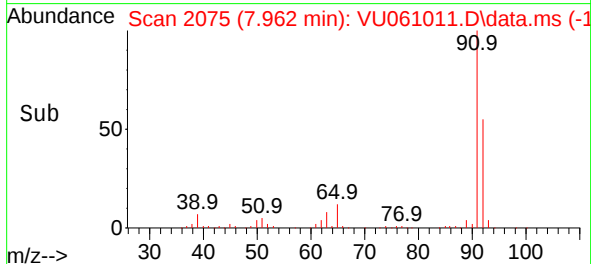
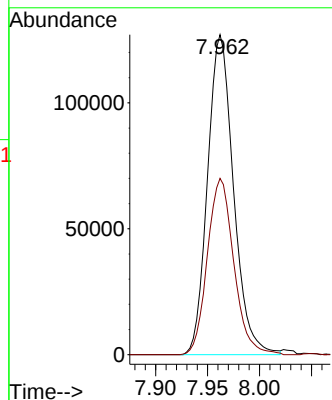
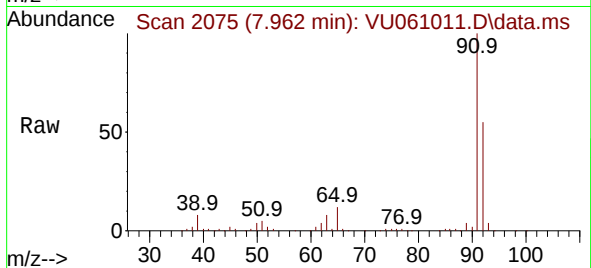
ClientSampleId :

Tgt Ion: 91 Resp: 221069

Ion Ratio Lower Upper

91 100

92 55.1 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.513 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU061011.D

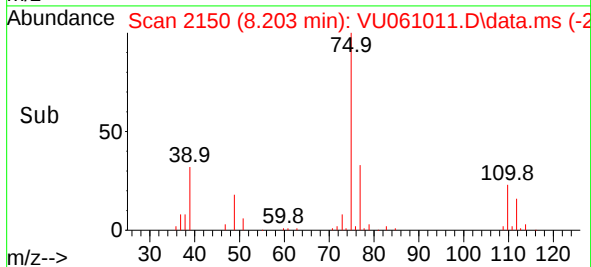
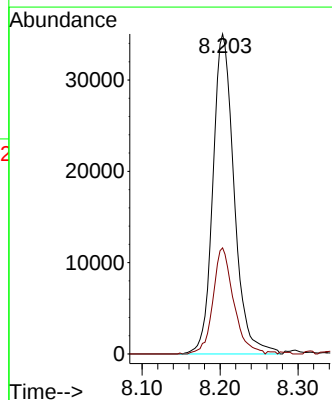
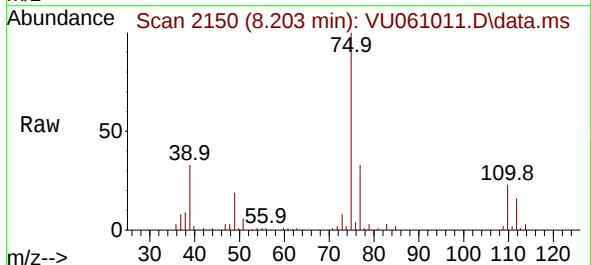
Acq: 25 Sep 2024 17:58

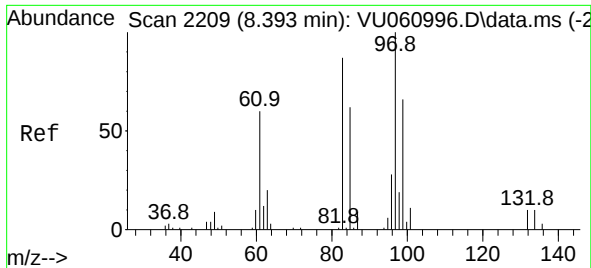
Tgt Ion: 75 Resp: 66302

Ion Ratio Lower Upper

75 100

77 33.2 23.1 42.9

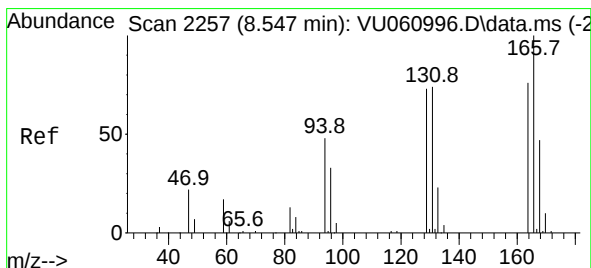
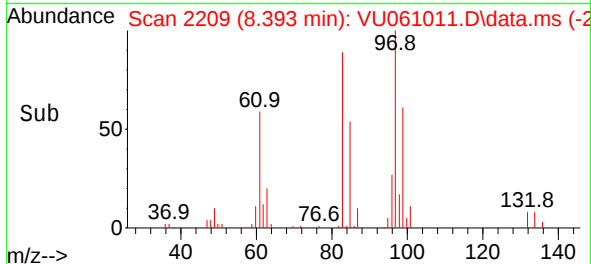
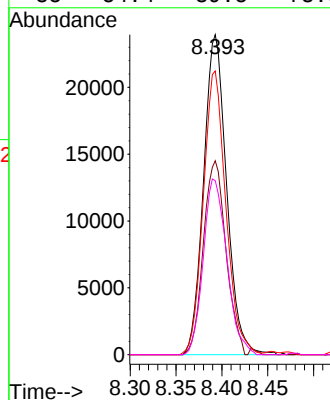
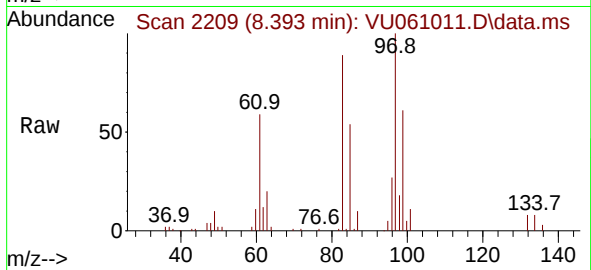




#45
1,1,2-Trichloroethane
Concen: 5.278 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

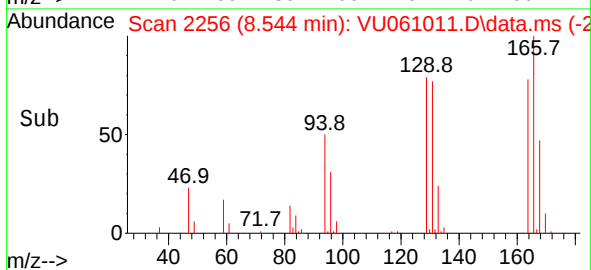
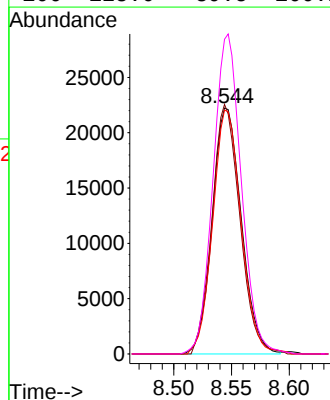
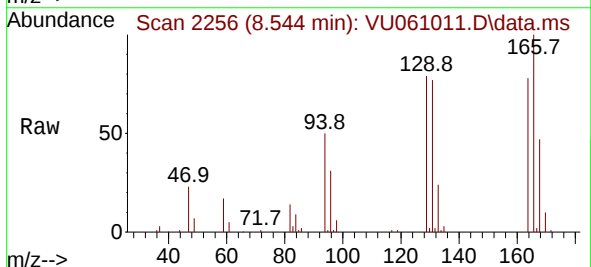
Instrument :
MSVOA_U
ClientSampleId :

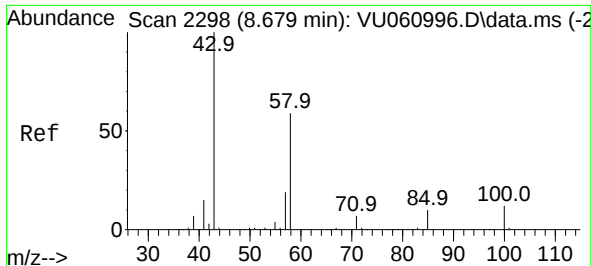
Tgt Ion:	97	Resp:	41896
Ion	Ratio	Lower	Upper
97	100		
99	60.6	42.3	78.5
83	88.7	61.7	114.5
85	54.4	39.5	73.3



#47
Tetrachloroethene
Concen: 4.675 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

Tgt Ion:	164	Resp:	38867
Ion	Ratio	Lower	Upper
164	100		
129	101.5	67.3	124.9
131	99.2	65.4	121.4
166	128.0	89.5	166.1





#48

2-Hexanone

Concen: 61.554 ug/L

RT: 8.676 min Scan# 2298

Delta R.T. -0.003 min

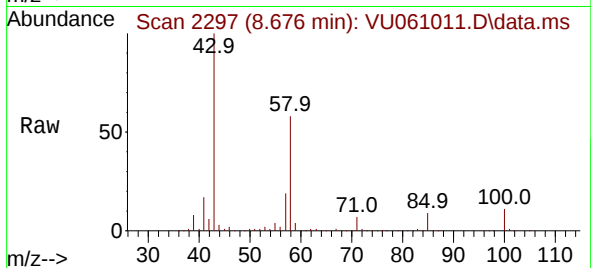
Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 230383

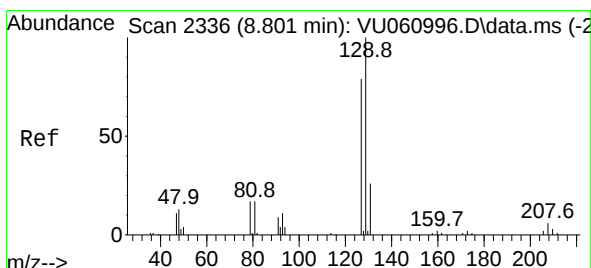
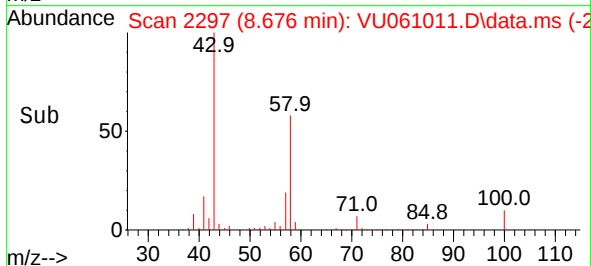
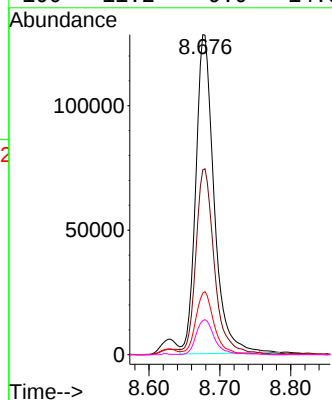
Ion Ratio Lower Upper

43 100

58 58.1 48.3 72.5

57 19.4 15.9 23.9

100 11.2 9.9 14.9



#49

Dibromochloromethane

Concen: 5.299 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU061011.D

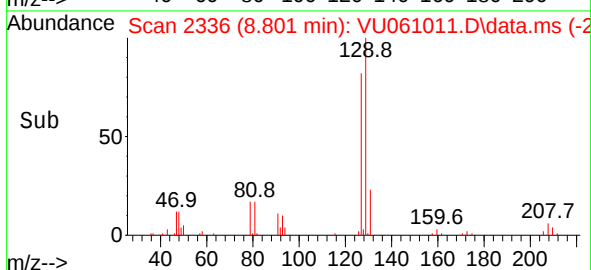
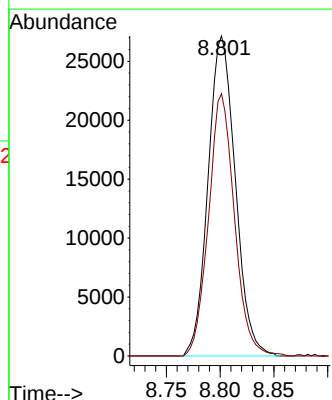
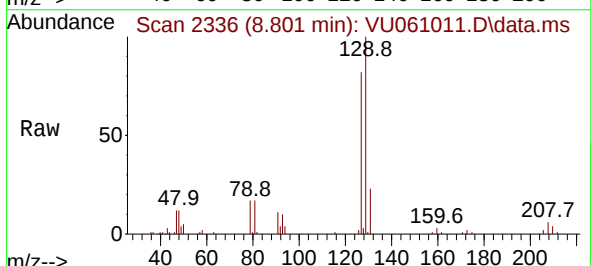
Acq: 25 Sep 2024 17:58

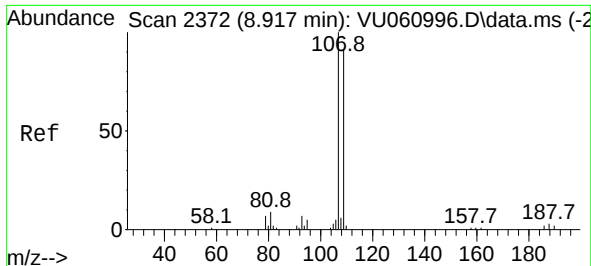
Tgt Ion: 129 Resp: 47891

Ion Ratio Lower Upper

129 100

127 81.9 56.1 104.1

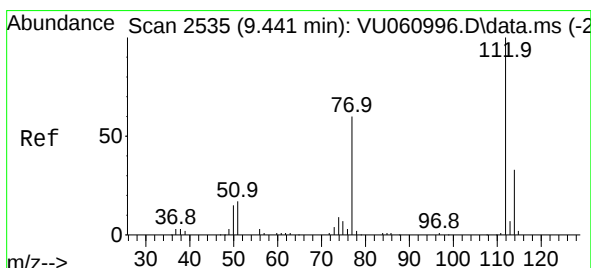
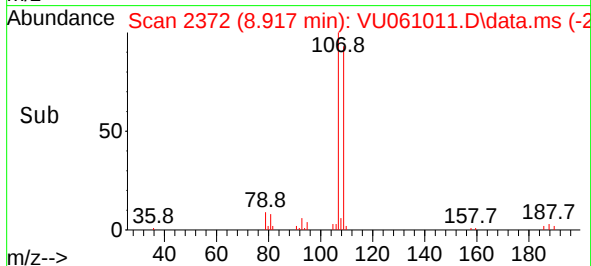
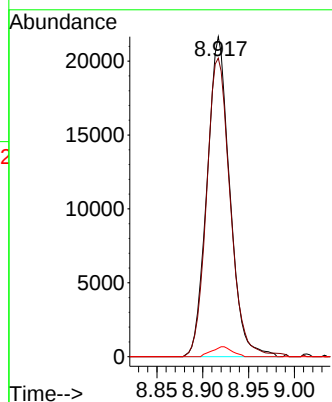
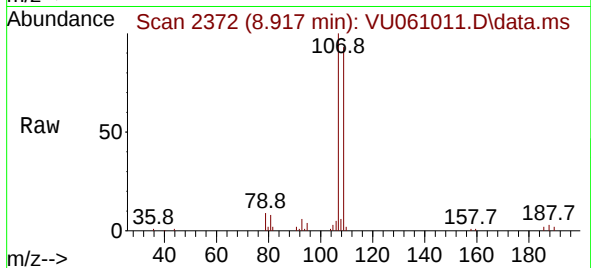




#50
1,2-Dibromoethane
Concen: 5.281 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

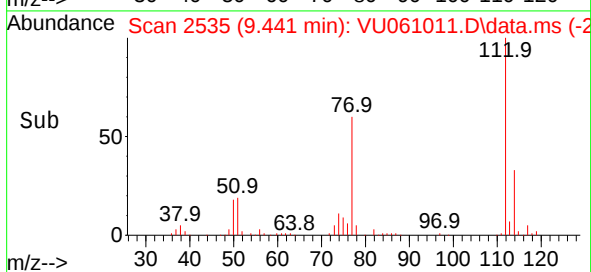
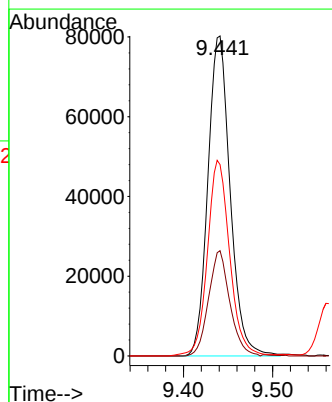
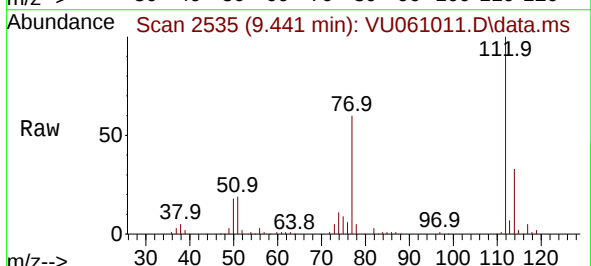
Instrument :
MSVOA_U
ClientSampleId :

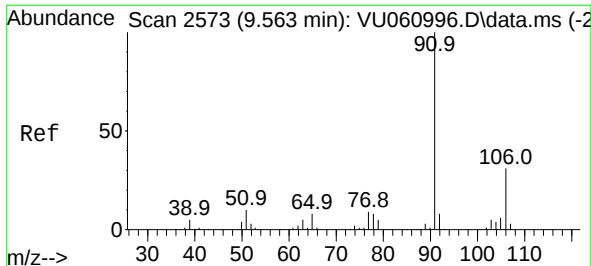
Tgt Ion:107 Resp: 37416
Ion Ratio Lower Upper
107 100
109 93.3 66.8 124.0
188 2.6 3.4 5.0#



#51
Chlorobenzene
Concen: 4.964 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

Tgt Ion:112 Resp: 139080
Ion Ratio Lower Upper
112 100
114 30.8 22.2 41.2
77 56.0 46.1 69.1





#52

Ethylbenzene

Concen: 5.130 ug/L

RT: 9.563 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

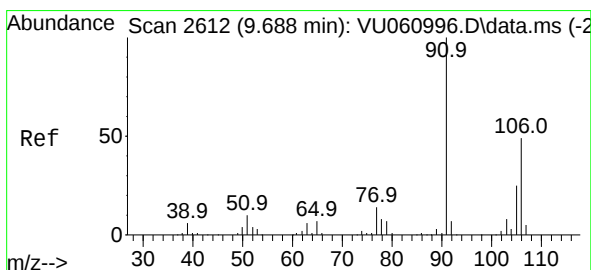
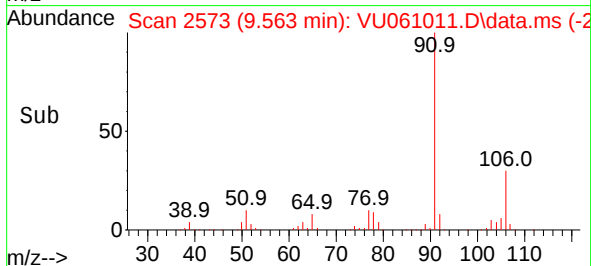
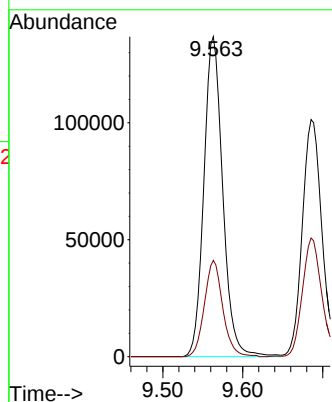
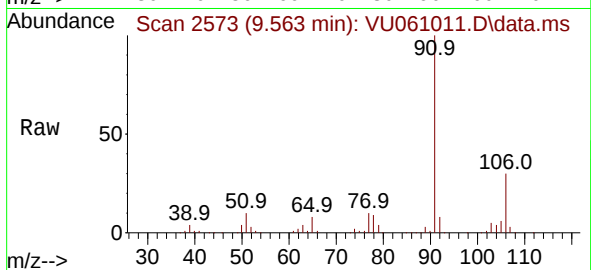
ClientSampleId :

Tgt Ion: 91 Resp: 225348

Ion Ratio Lower Upper

91 100

106 30.1 21.8 40.6



#53

m,p-Xylene

Concen: 5.182 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.003 min

Lab File: VU061011.D

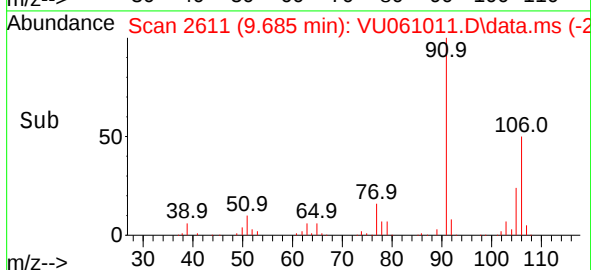
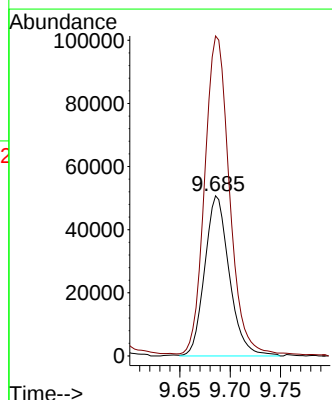
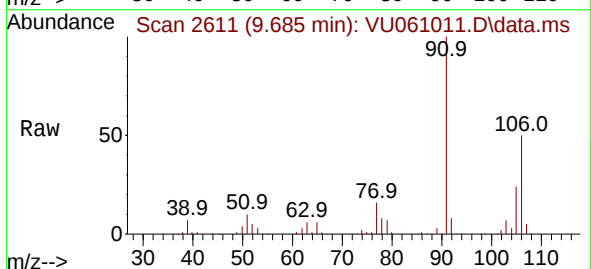
Acq: 25 Sep 2024 17:58

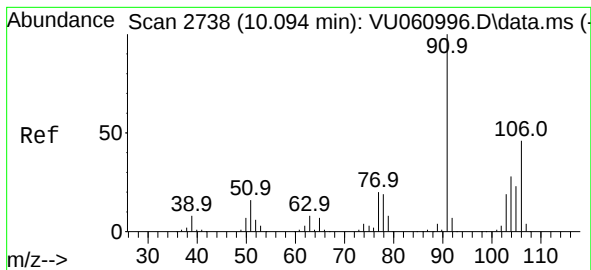
Tgt Ion:106 Resp: 86305

Ion Ratio Lower Upper

106 100

91 199.8 139.7 259.4





#54

o-Xylene

Concen: 4.986 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

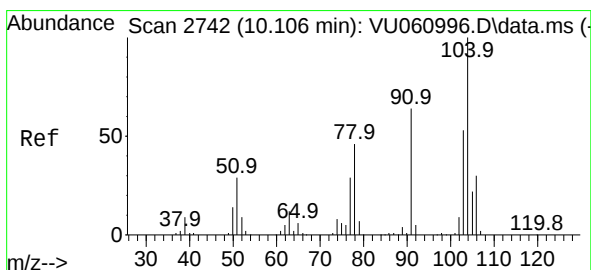
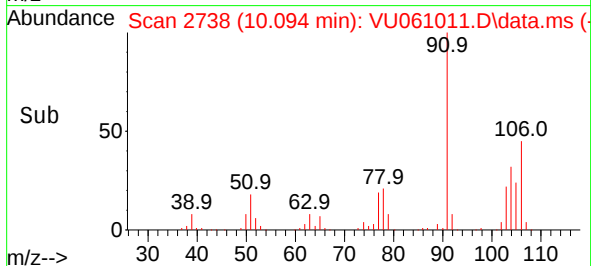
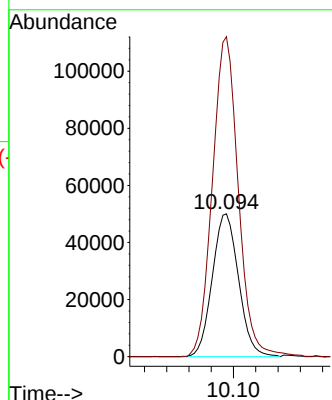
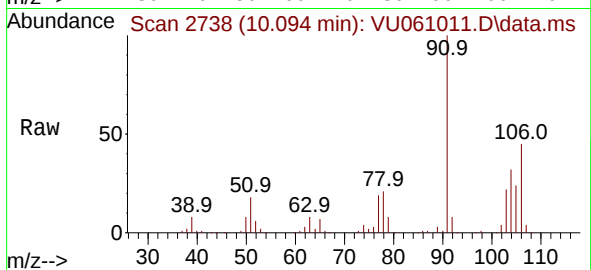
ClientSampleId :

Tgt Ion:106 Resp: 81942

Ion Ratio Lower Upper

106 100

91 223.8 148.6 276.0



#55

Styrene

Concen: 5.170 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU061011.D

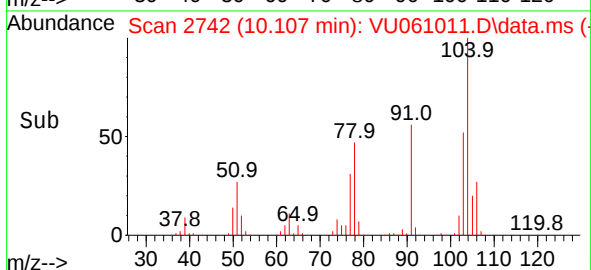
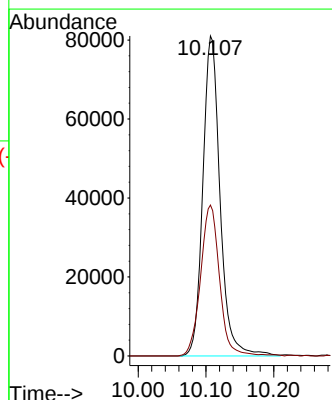
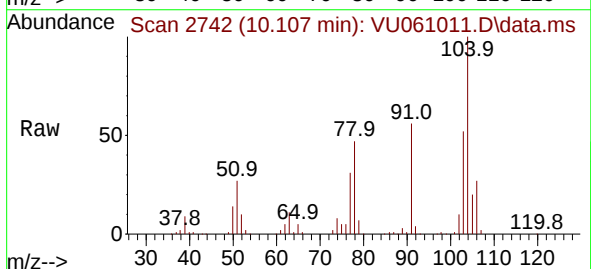
Acq: 25 Sep 2024 17:58

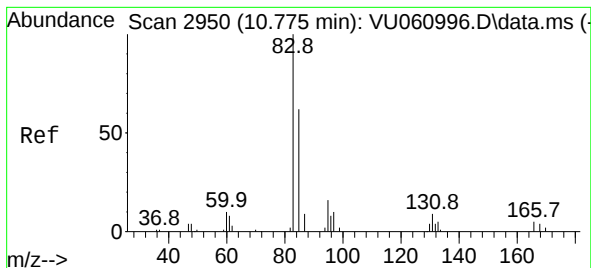
Tgt Ion:104 Resp: 143212

Ion Ratio Lower Upper

104 100

78 47.1 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.220 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.003 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

ClientSampleId :

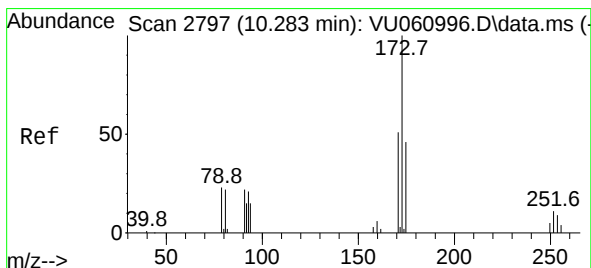
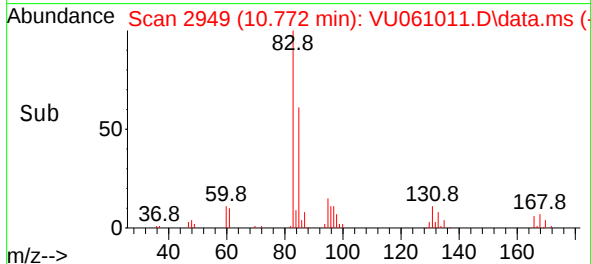
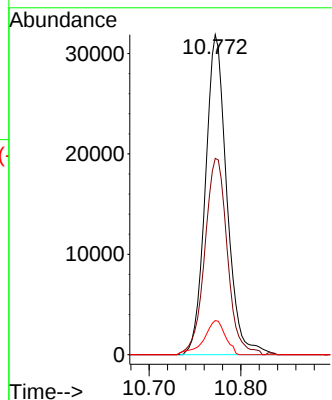
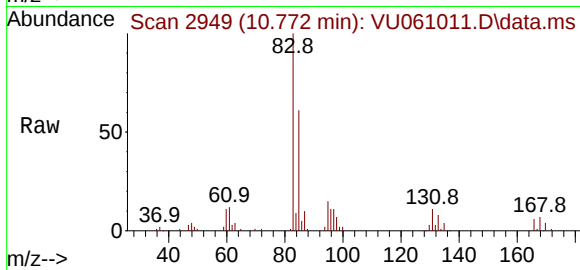
Tgt Ion: 83 Resp: 51687

Ion Ratio Lower Upper

83 100

85 61.3 42.9 79.7

131 10.6 8.4 12.6



#59

Bromoform

Concen: 4.851 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

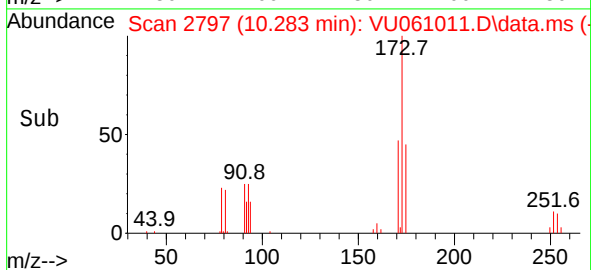
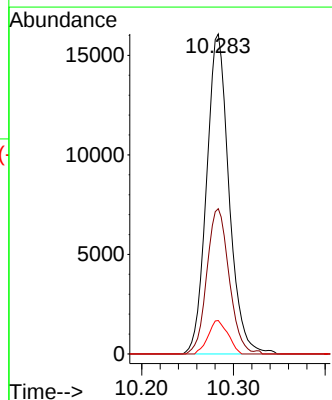
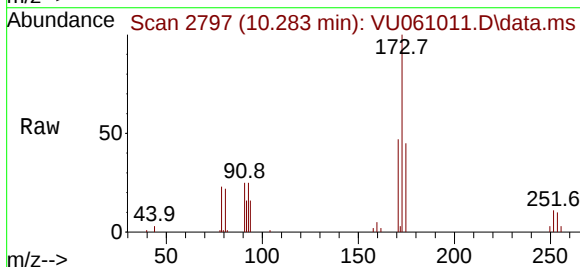
Tgt Ion:173 Resp: 27340

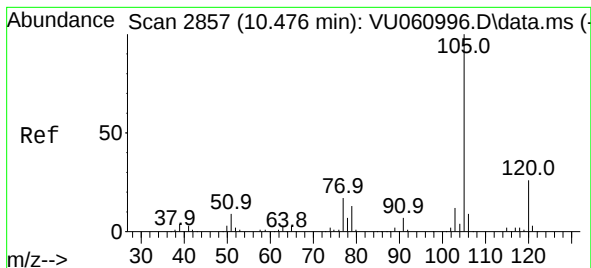
Ion Ratio Lower Upper

173 100

175 45.2 39.1 58.7

254 9.2 8.7 13.1





#60

Isopropylbenzene

Concen: 4.931 ug/L

RT: 10.476 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

ClientSampleId :

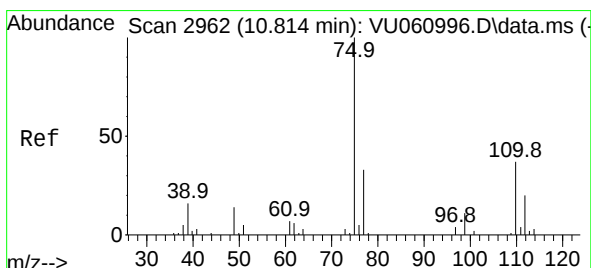
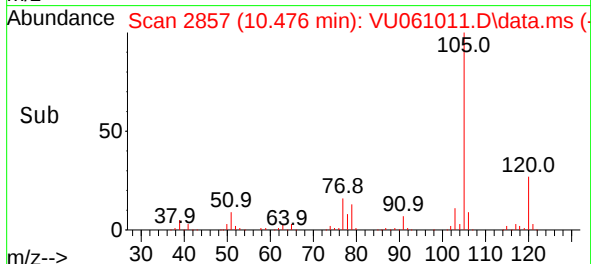
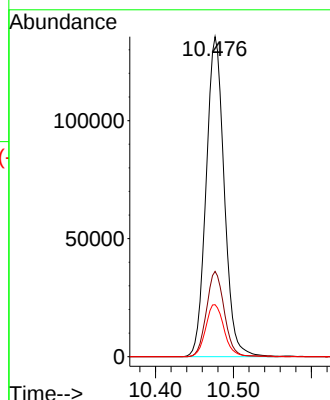
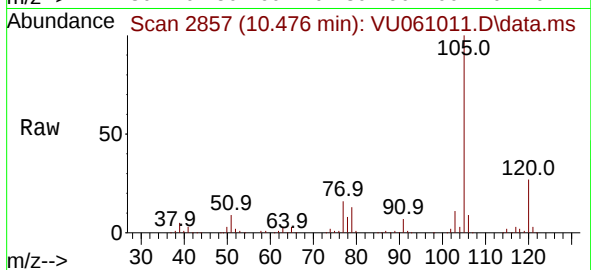
Tgt Ion:105 Resp: 218531

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

77 16.6 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 4.864 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

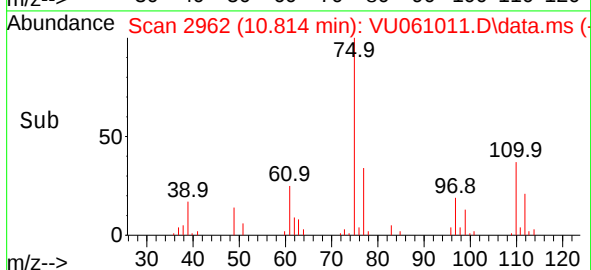
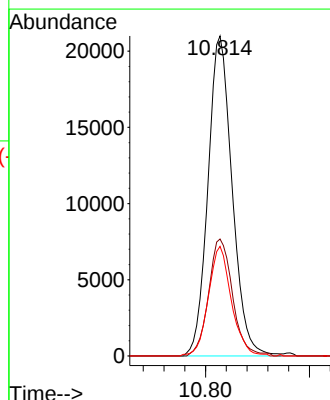
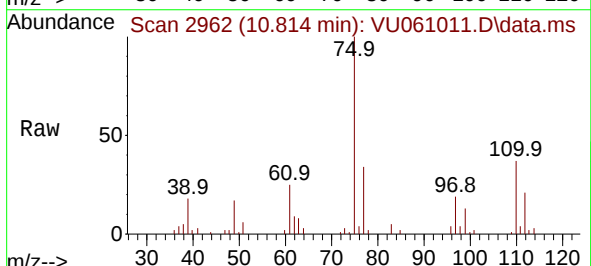
Tgt Ion: 75 Resp: 33929

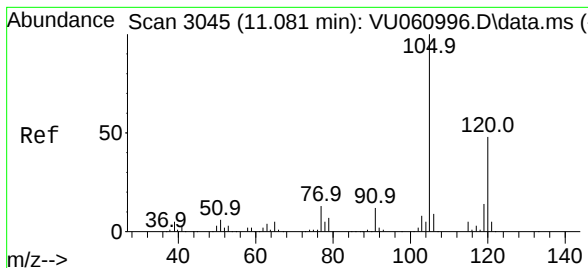
Ion Ratio Lower Upper

75 100

110 36.2 28.6 43.0

77 32.6 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.677 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

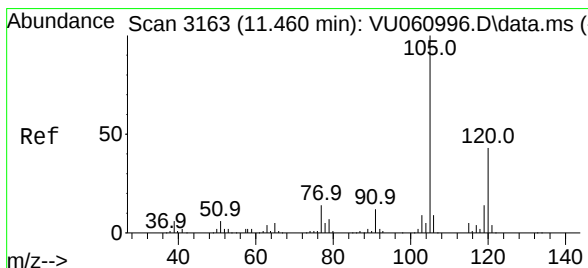
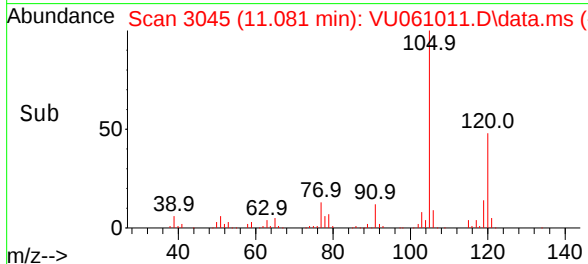
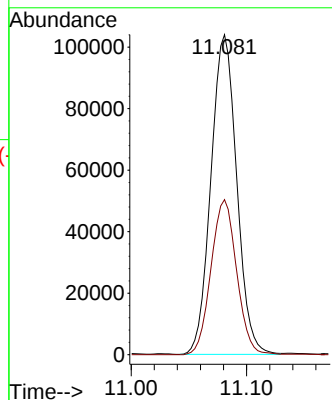
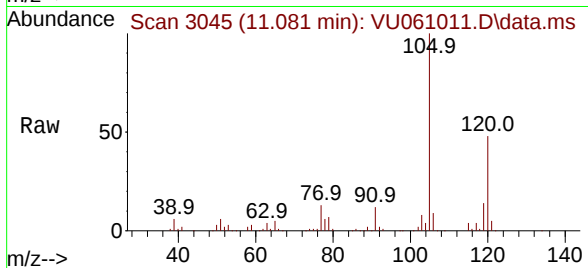
ClientSampleId :

Tgt Ion:105 Resp: 161114

Ion Ratio Lower Upper

105 100

120 48.2 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 4.855 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061011.D

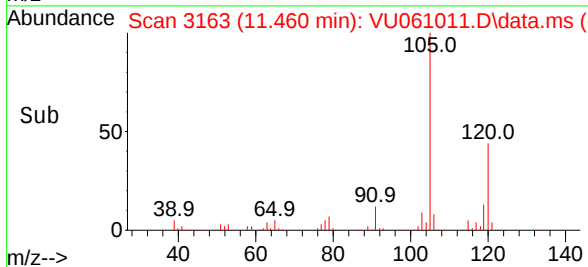
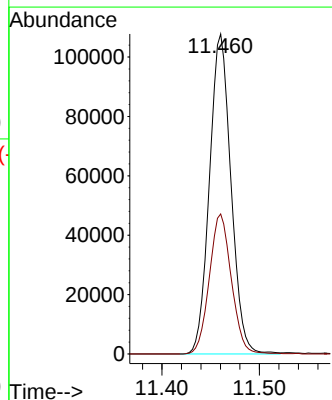
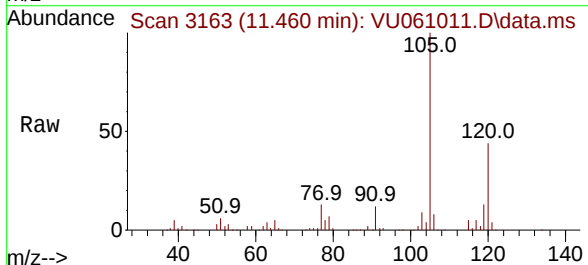
Acq: 25 Sep 2024 17:58

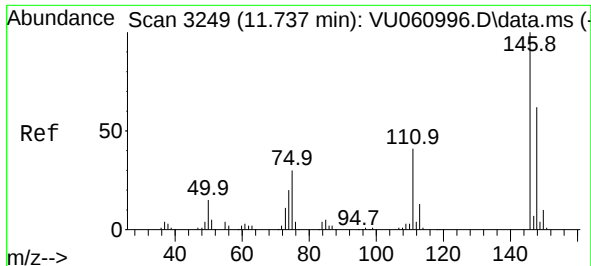
Tgt Ion:105 Resp: 165240

Ion Ratio Lower Upper

105 100

120 44.8 36.1 54.1

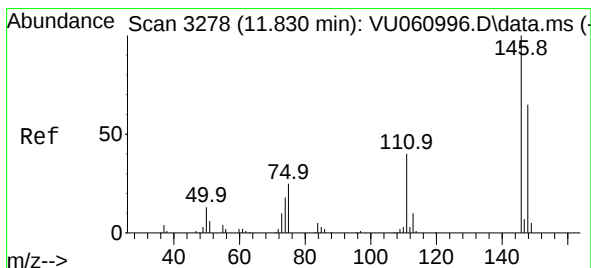
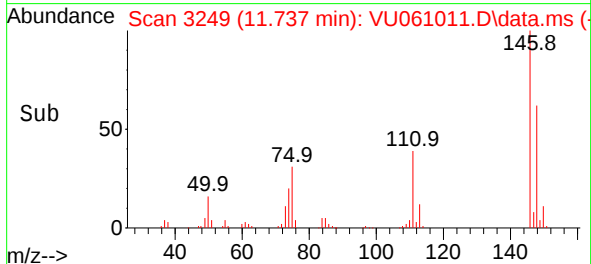
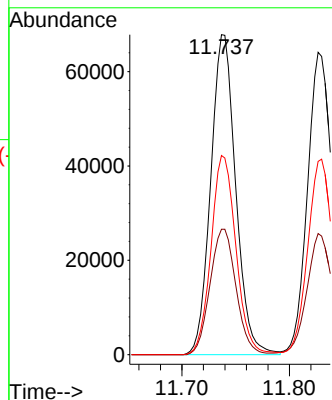
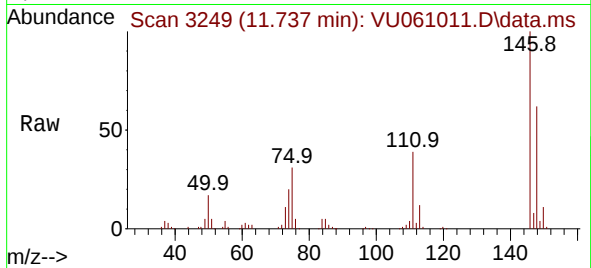




#64
1,3-Dichlorobenzene
Concen: 4.912 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

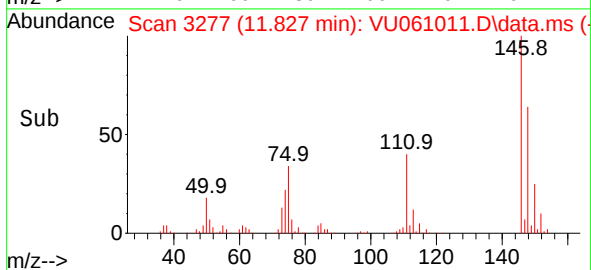
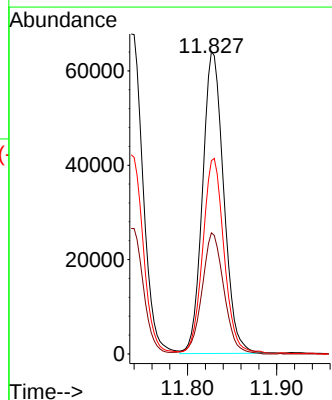
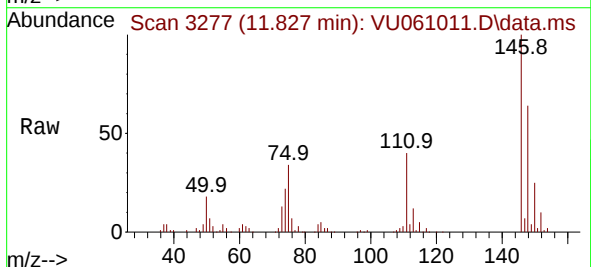
Instrument :
MSVOA_U
ClientSampleId :

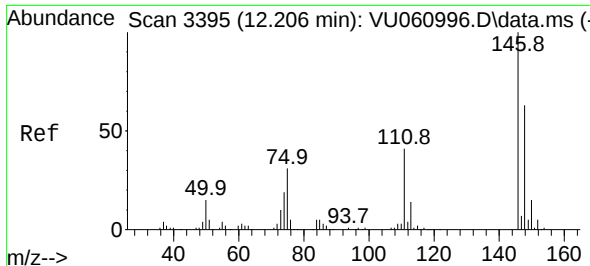
Tgt Ion:146 Resp: 109461
Ion Ratio Lower Upper
146 100
111 39.2 27.5 51.1
148 62.2 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.593 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.003 min
Lab File: VU061011.D
Acq: 25 Sep 2024 17:58

Tgt Ion:146 Resp: 105799
Ion Ratio Lower Upper
146 100
111 40.1 26.3 48.9
148 64.0 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.764 ug/L

RT: 12.203 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

ClientSampleId :

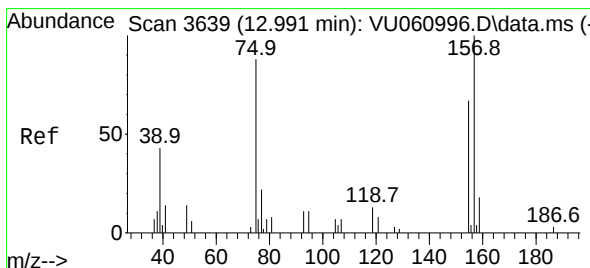
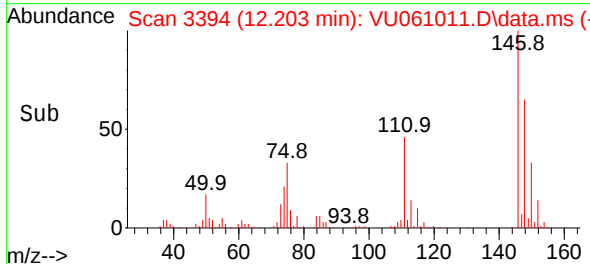
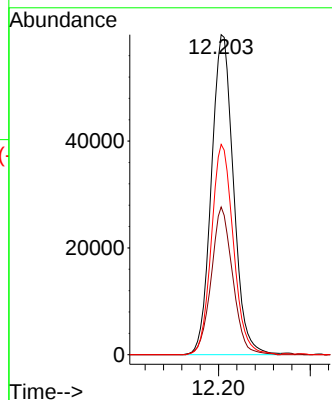
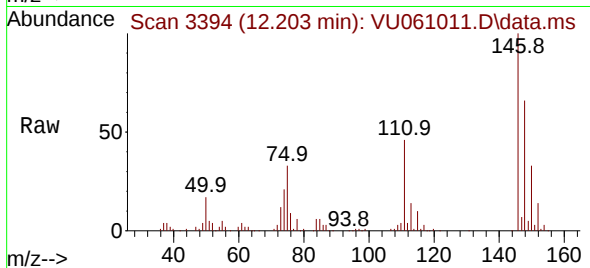
Tgt Ion:146 Resp: 100392

Ion Ratio Lower Upper

146 100

111 46.2 33.4 50.0

148 65.7 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.067 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

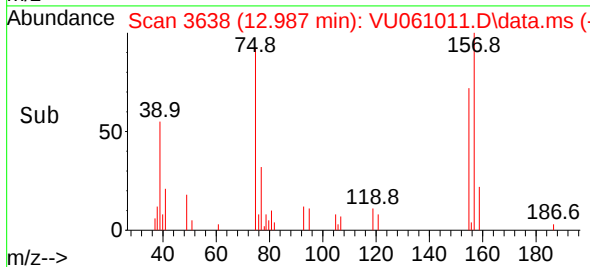
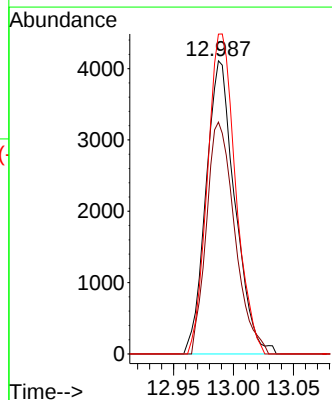
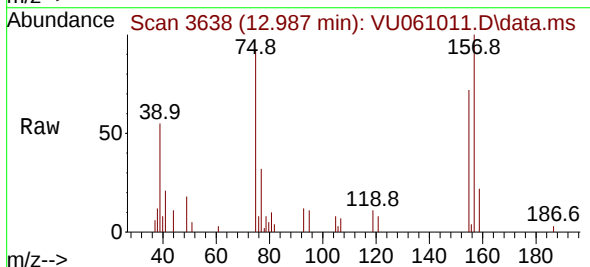
Tgt Ion: 75 Resp: 6901

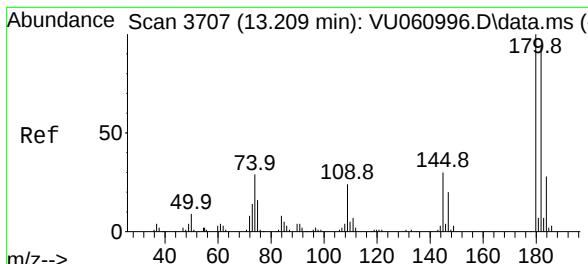
Ion Ratio Lower Upper

75 100

155 79.1 73.1 109.7

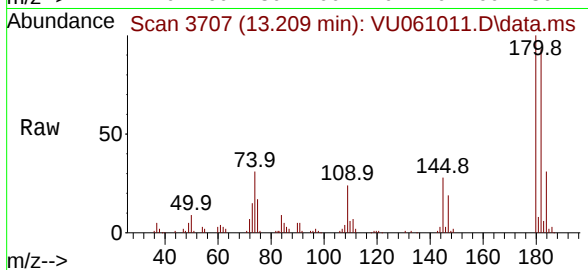
157 109.1 91.0 136.4



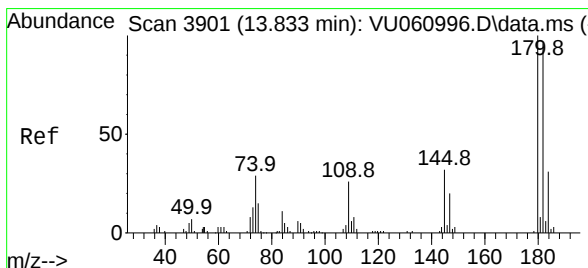
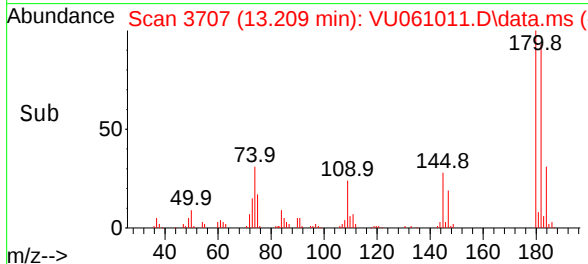
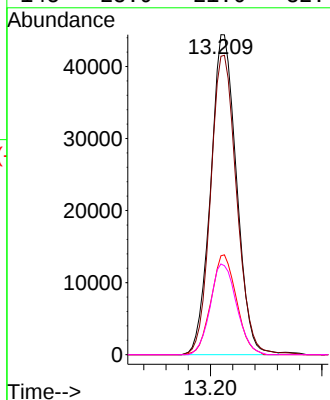


#69
 1,3,5-Trichlorobenzene
 Concen: 4.287 ug/L
 RT: 13.209 min Scan# 3707
 Delta R.T. 0.000 min
 Lab File: VU061011.D
 Acq: 25 Sep 2024 17:58

Instrument :
 MSVOA_U
 ClientSampleId :

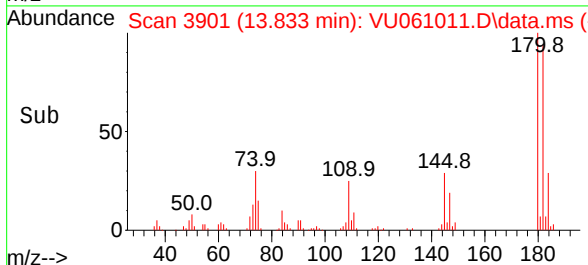
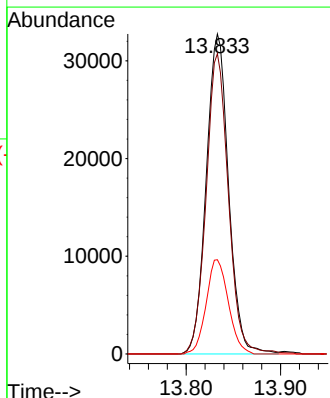
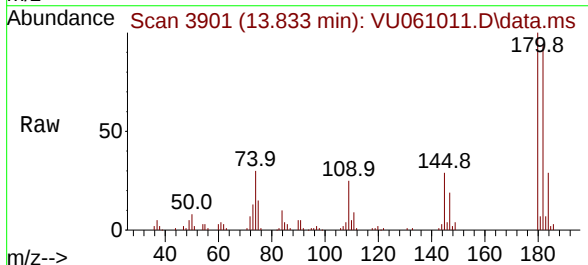


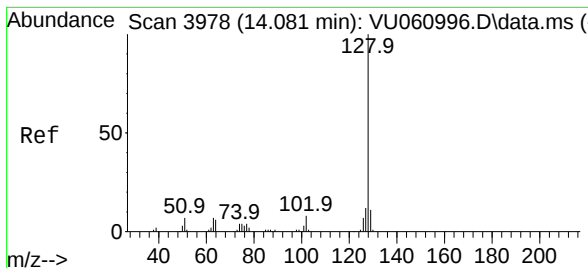
Tgt Ion:180	Resp:	71471
Ion Ratio	Lower	Upper
180	100	
182	94.3	74.5 111.7
184	30.7	23.2 34.8
145	28.9	21.6 32.4



#70
 1,2,4-trichlorobenzene
 Concen: 4.578 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU061011.D
 Acq: 25 Sep 2024 17:58

Tgt Ion:180	Resp:	53752
Ion Ratio	Lower	Upper
180	100	
182	93.7	77.4 116.2
145	29.3	22.9 34.3





#71

Naphthalene

Concen: 4.649 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Instrument :

MSVOA_U

ClientSampleId :

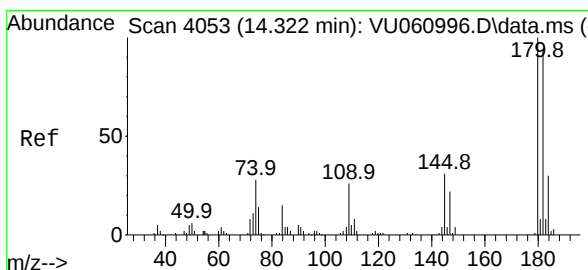
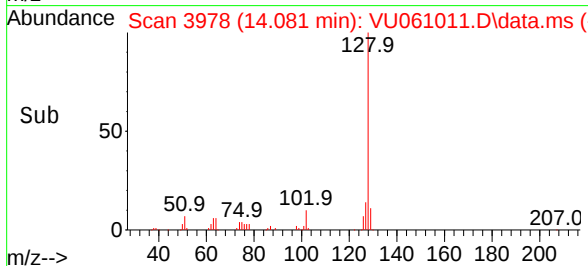
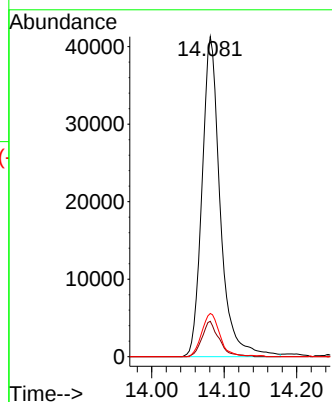
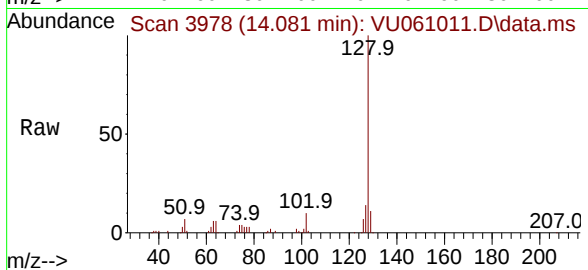
Tgt Ion:128 Resp: 72006

Ion Ratio Lower Upper

128 100

129 10.5 8.3 12.5

127 13.4 10.7 16.1



#72

1,2,3-Trichlorobenzene

Concen: 4.646 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU061011.D

Acq: 25 Sep 2024 17:58

Tgt Ion:180 Resp: 47137

Ion Ratio Lower Upper

180 100

182 96.0 75.7 113.5

145 30.8 23.5 35.3

