

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060054.D
 Acq On : 19 Jul 2024 12:13
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 20 00:57:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 02:49:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	153521	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	150257	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	81847	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	38653	3.619	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.400%
7) Chloroethane-d5	1.911	69	39106	3.941	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.560	65	16662	3.995	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.627	46	108509	43.451	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.900%
24) Chloroform-d	5.055	84	93979	4.186	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
26) 1,2-Dichloroethane-d4	5.695	65	42977	4.111	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
32) Benzene-d6	5.721	84	181427	4.507	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.685	67	57245	4.462	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.891	98	165182	4.541	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	8.174	79	20070	4.596	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.627	63	90359	46.631	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.260%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	51289	4.492	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	63922	4.327	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	52649	4.535	ug/L	99
3) Chloromethane	1.518	50	62648	4.468	ug/L	96
5) Vinyl chloride	1.602	62	73147	4.653	ug/L	98
6) Bromomethane	1.856	94	46008	4.496	ug/L	100
8) Chloroethane	1.930	64	45347	4.417	ug/L	97
9) Trichlorofluoromethane	2.132	101	91343	4.608	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	60496	4.677	ug/L	99
12) 1,1-Dichloroethene	2.573	96	54605	4.660	ug/L	96
13) Acetone	2.640	43	74806	45.284	ug/L	97
14) Carbon disulfide	2.788	76	156746	4.594	ug/L	99
15) Methyl Acetate	2.949	43	18914	4.655	ug/L	95
16) Methylene chloride	3.039	84	63632	4.429	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	130045	4.866	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	60199	4.939	ug/L	90
19) 1,1-Dichloroethane	3.859	63	110539	4.776	ug/L	98
21) 2-Butanone	4.705	43	118080	45.154	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	68277	5.001	ug/L	97
23) Bromochloromethane	4.968	128	31172	4.698	ug/L	97
25) Chloroform	5.078	83	116488	4.577	ug/L	100

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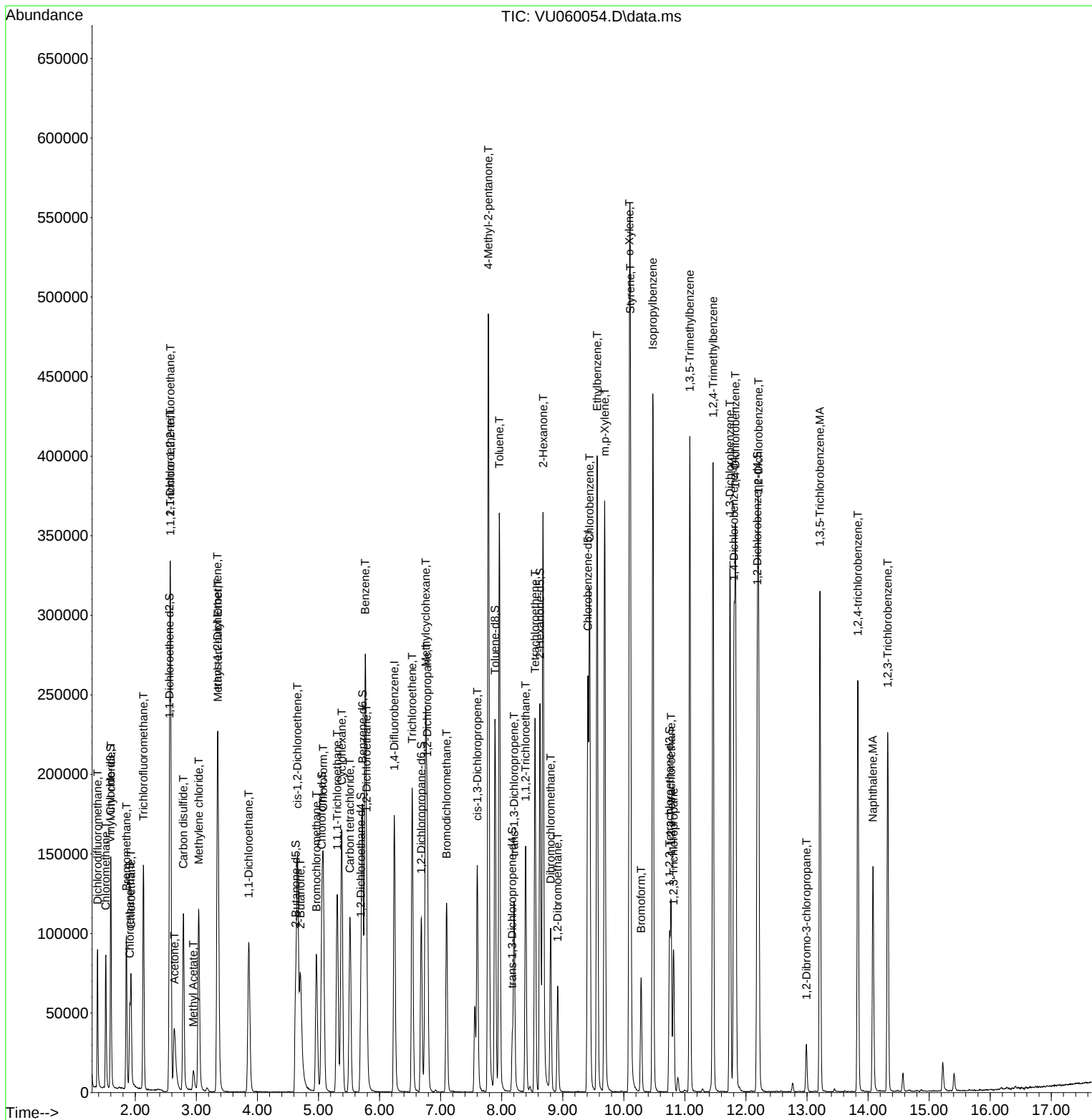
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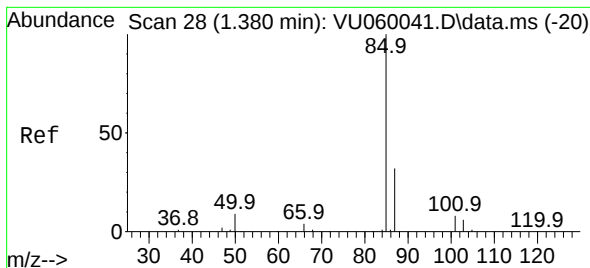
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	65201	4.481	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	93271	4.970	ug/L	100
30) Cyclohexane	5.380	56	83347	5.615	ug/L	95
31) Carbon tetrachloride	5.515	117	79068	4.883	ug/L	99
33) Benzene	5.766	78	256839	5.174	ug/L	100
34) Trichloroethene	6.534	95	67039	5.092	ug/L	96
35) Methylcyclohexane	6.756	83	93649	5.427	ug/L	99
37) 1,2-Dichloropropane	6.782	63	66560	4.964	ug/L	99
38) Bromodichloromethane	7.097	83	80200	4.774	ug/L	94
39) cis-1,3-Dichloropropene	7.602	75	91360	5.213	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	299829	50.528	ug/L	97
42) Toluene	7.962	91	283492	5.367	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	72592	4.959	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	50786	4.956	ug/L	96
47) Tetrachloroethene	8.547	164	55339	5.084	ug/L	99
48) 2-Hexanone	8.679	43	219225	50.458	ug/L	98
49) Dibromochloromethane	8.801	129	54662	4.822	ug/L	98
50) 1,2-Dibromoethane	8.917	107	46020	4.967	ug/L	97
51) Chlorobenzene	9.441	112	177461	5.142	ug/L	100
52) Ethylbenzene	9.563	91	287916	5.465	ug/L	98
53) m,p-Xylene	9.688	106	111644	5.486	ug/L	100
54) o-Xylene	10.093	106	108629	5.581	ug/L	97
55) Styrene	10.110	104	185731	5.607	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	60010	4.787	ug/L	98
59) Bromoform	10.283	173	34504	4.638	ug/L	99
60) Isopropylbenzene	10.476	105	288998	5.398	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	39528	4.581	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	227362	5.559	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	223821	5.663	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	147687	5.127	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	145557	4.964	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	137746	4.996	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	8100	4.816	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	107446	4.942	ug/L	96
70) 1,2,4-trichlorobenzene	13.833	180	86088	5.203	ug/L	99
71) Naphthalene	14.080	128	123063	5.249	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	76543	5.144	ug/L	100

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

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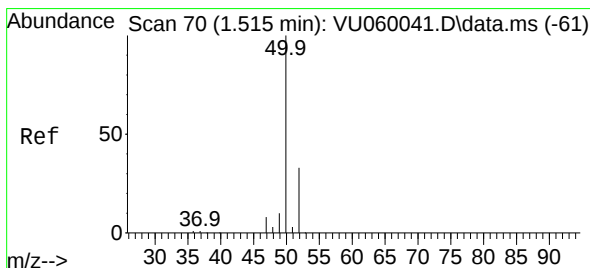
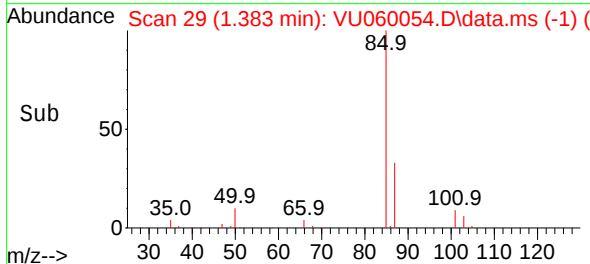
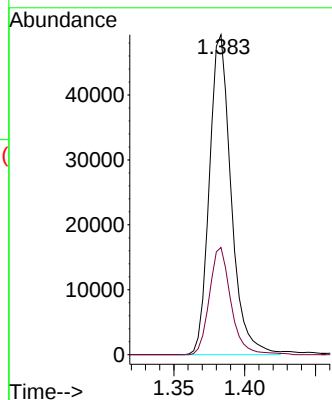
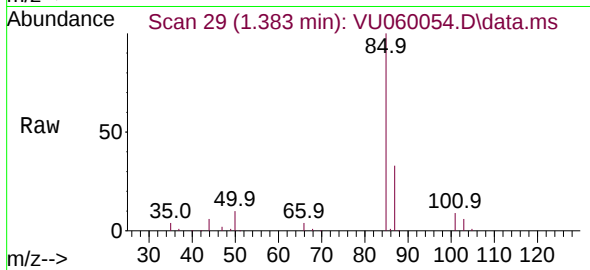




#2
 Dichlorodifluoromethane
 Concen: 4.535 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VU060054.D
 Acq: 19 Jul 2024 12:13

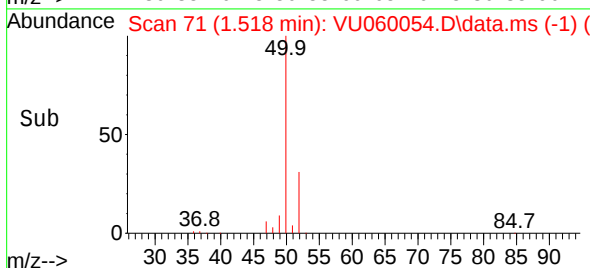
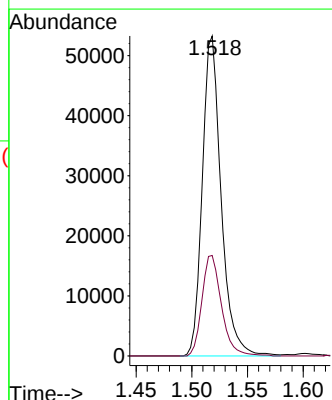
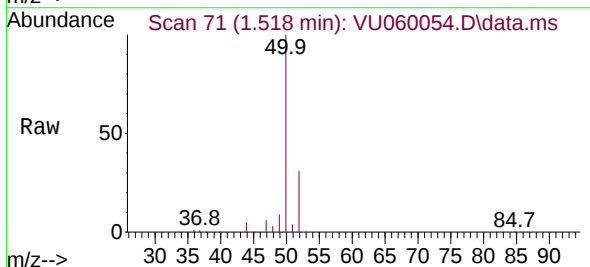
Instrument :
 MSVOA_U
 ClientSampleId :

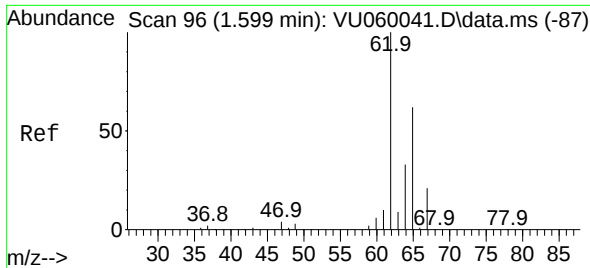
Tgt Ion: 85 Resp: 52649
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.1 39.1



#3
 Chloromethane
 Concen: 4.468 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU060054.D
 Acq: 19 Jul 2024 12:13

Tgt Ion: 50 Resp: 62648
 Ion Ratio Lower Upper
 50 100
 52 31.4 23.4 43.4

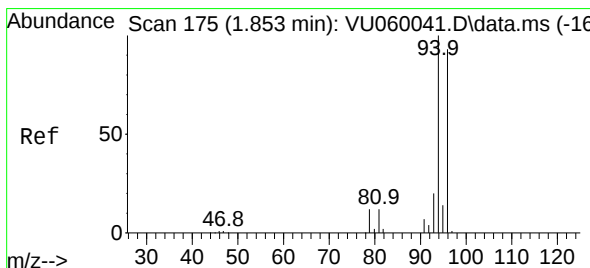
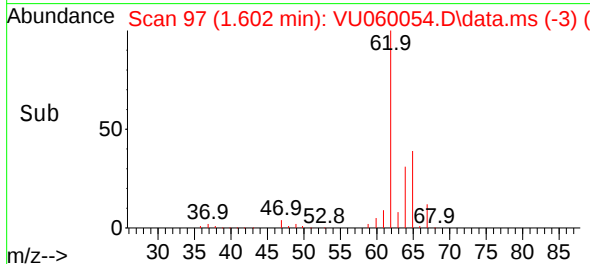
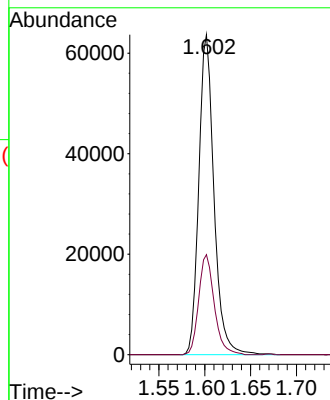
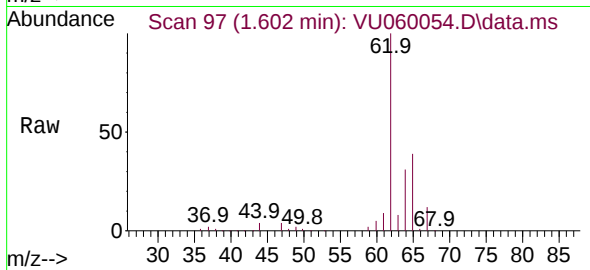




#5
 Vinyl chloride
 Concen: 4.653 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU060054.D
 Acq: 19 Jul 2024 12:13

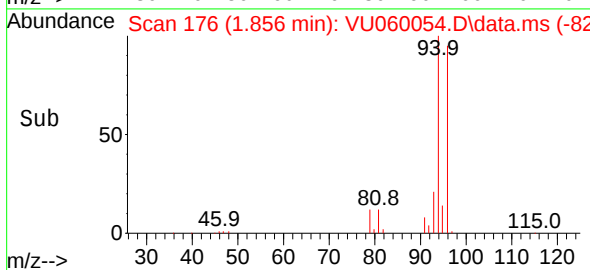
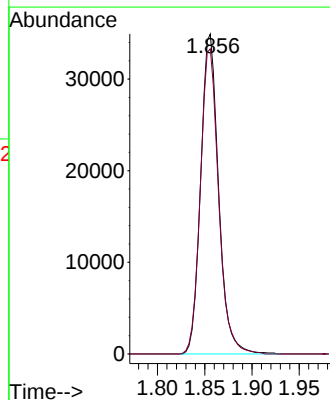
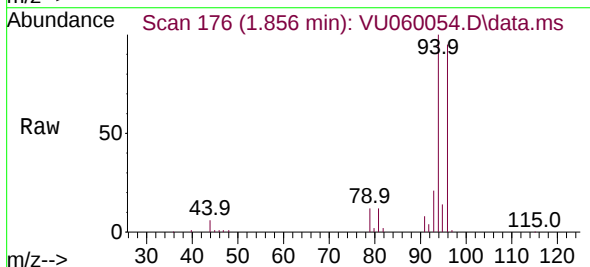
Instrument :
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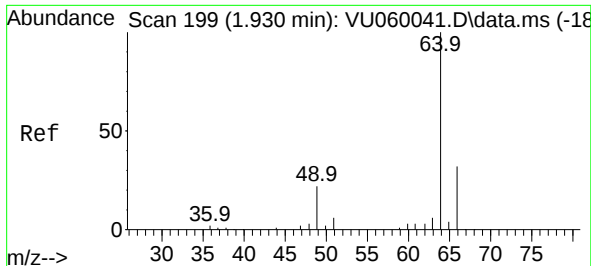
Tgt Ion: 62 Resp: 73147
 Ion Ratio Lower Upper
 62 100
 64 31.3 22.8 42.4



#6
 Bromomethane
 Concen: 4.496 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.003 min
 Lab File: VU060054.D
 Acq: 19 Jul 2024 12:13

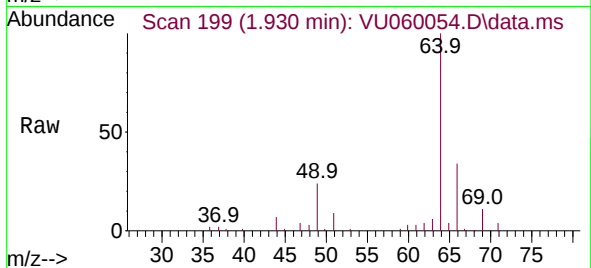
Tgt Ion: 94 Resp: 46008
 Ion Ratio Lower Upper
 94 100
 96 95.4 66.6 123.6



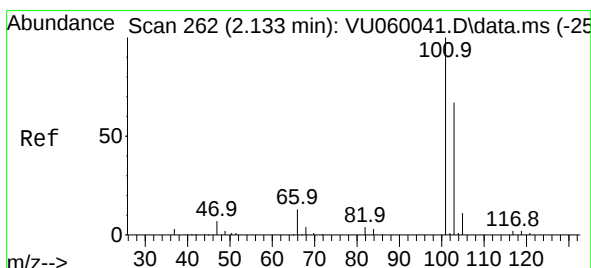
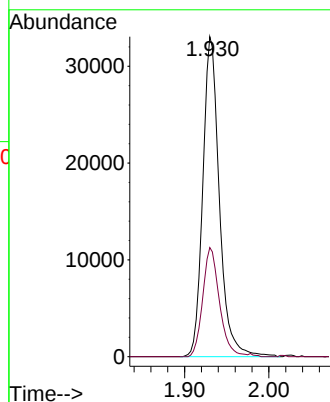
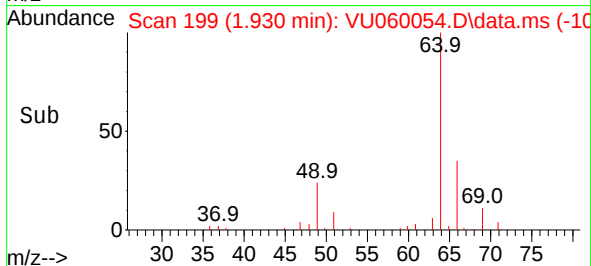


#8
Chloroethane
Concen: 4.417 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

Instrument :
MSVOA_U
ClientSampleId :

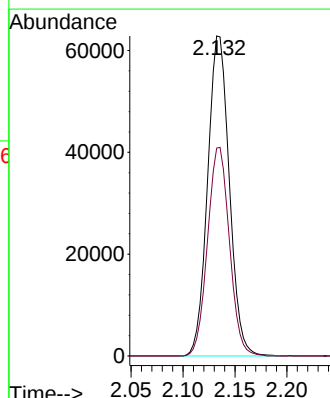
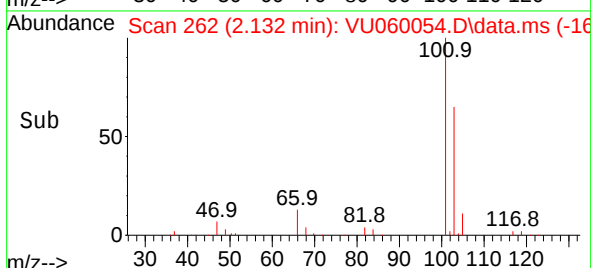
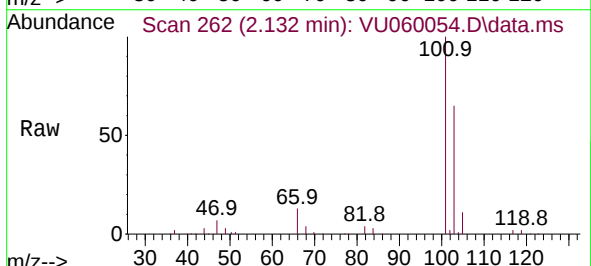


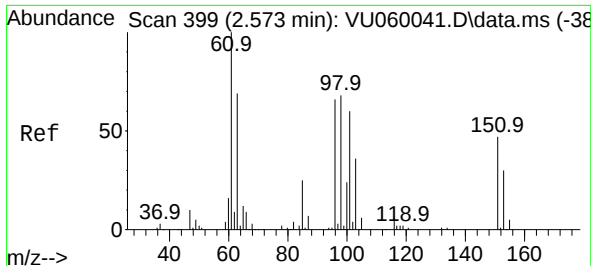
Tgt Ion: 64 Resp: 45347
Ion Ratio Lower Upper
64 100
66 34.1 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.608 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

Tgt Ion:101 Resp: 91343
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.2

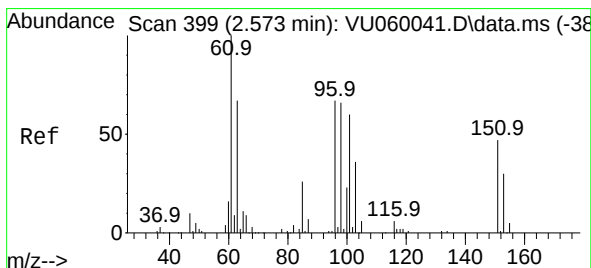
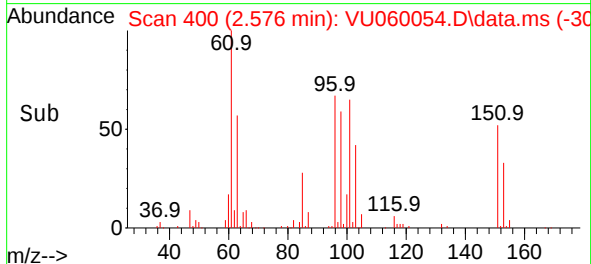
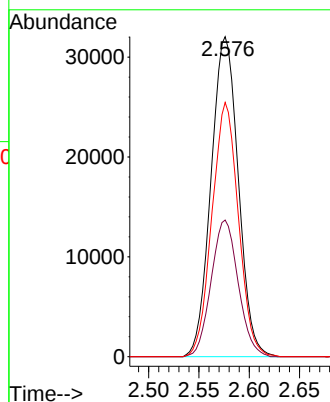
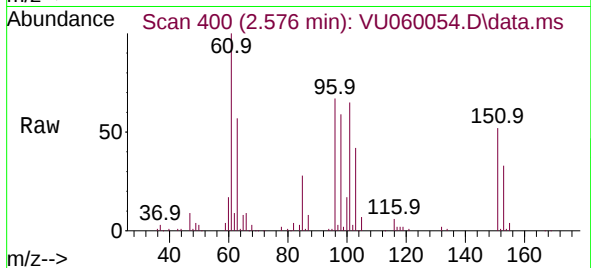




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.677 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

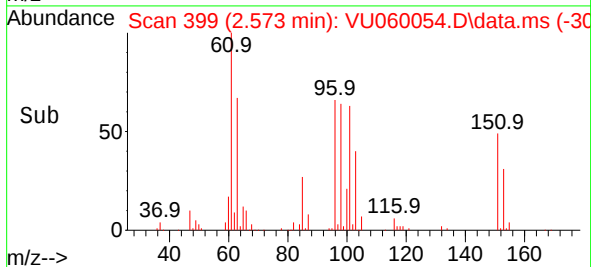
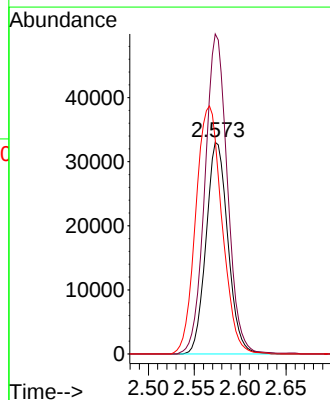
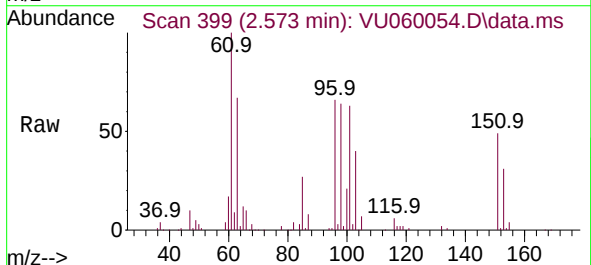
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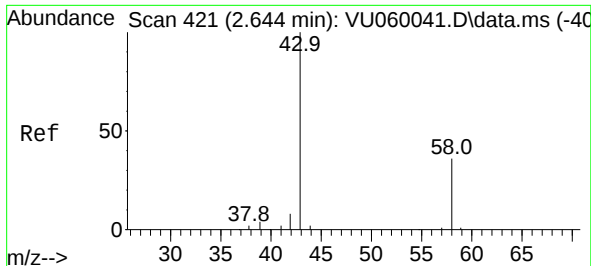
Tgt Ion:101 Resp: 60496
Ion Ratio Lower Upper
101 100
85 42.3 33.2 49.8
151 76.9 61.8 92.8



#12
1,1-Dichloroethene
Concen: 4.660 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

Tgt Ion: 96 Resp: 54605
Ion Ratio Lower Upper
96 100
61 151.2 107.0 198.6
63 101.2 76.4 142.0





#13

Acetone

Concen: 45.284 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

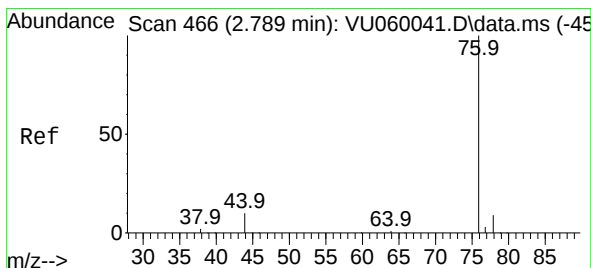
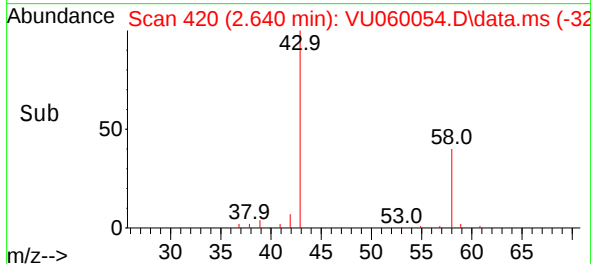
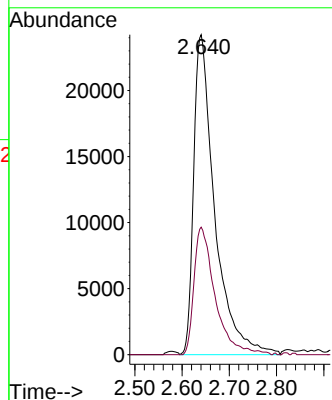
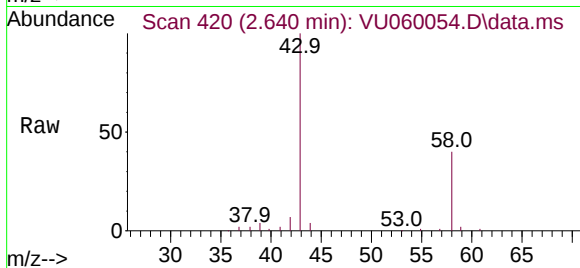
ClientSampleId :

Tgt Ion: 43 Resp: 74806

Ion Ratio Lower Upper

43 100

58 38.9 0.0 82.2



#14

Carbon disulfide

Concen: 4.594 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU060054.D

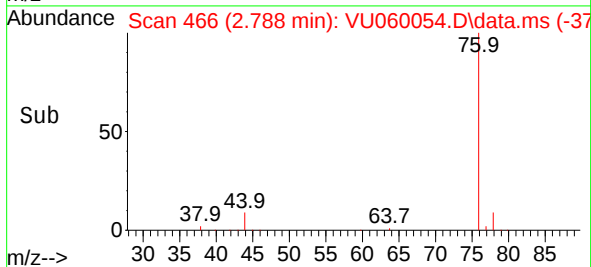
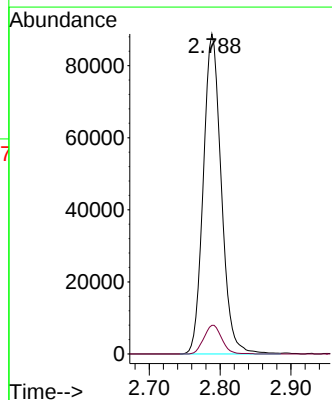
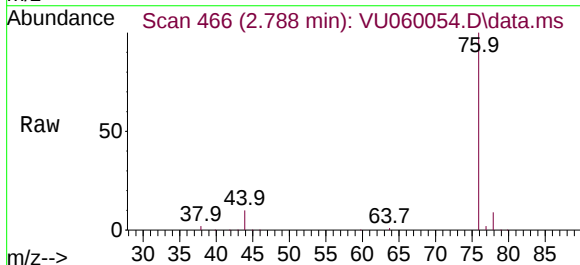
Acq: 19 Jul 2024 12:13

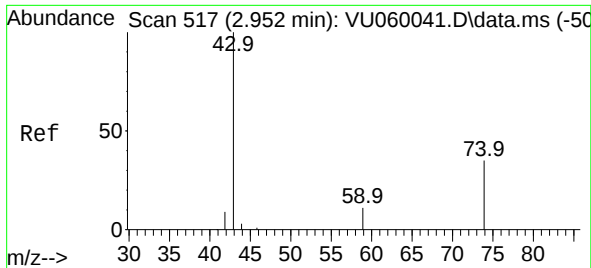
Tgt Ion: 76 Resp: 156746

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methyl Acetate

Concen: 4.655 ug/L

RT: 2.949 min Scan# 517

Delta R.T. -0.003 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

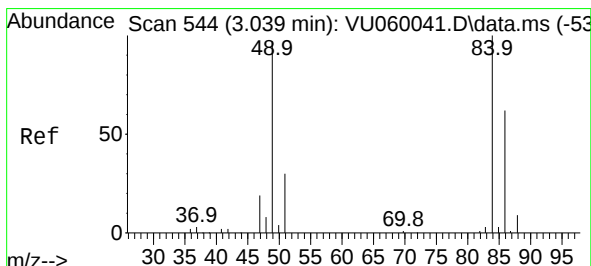
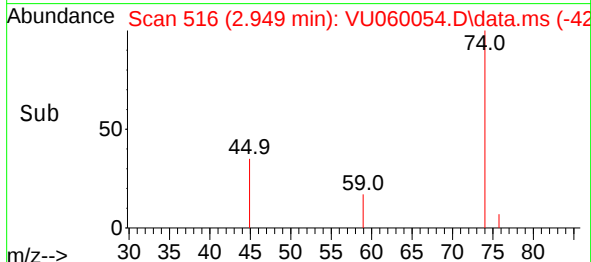
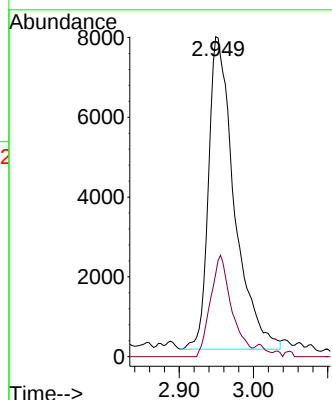
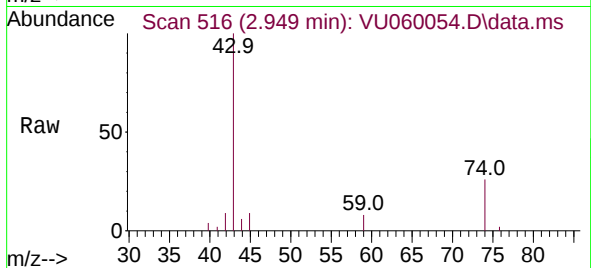
ClientSampleId :

Tgt Ion: 43 Resp: 18914

Ion Ratio Lower Upper

43 100

74 26.5 23.5 35.3



#16

Methylene chloride

Concen: 4.429 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

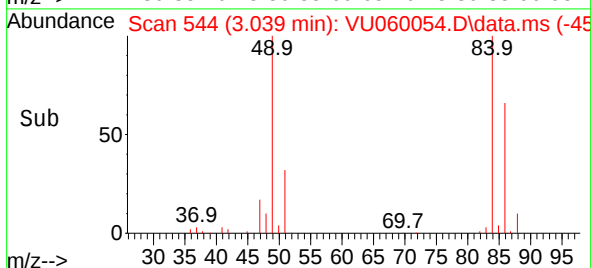
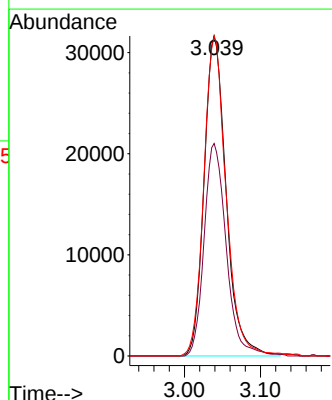
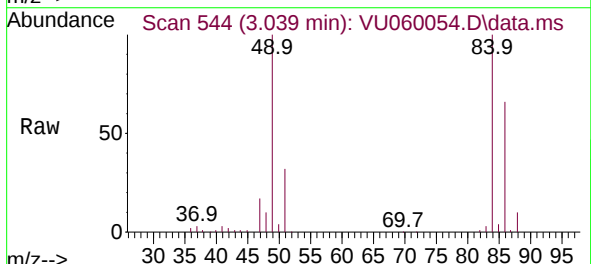
Tgt Ion: 84 Resp: 63632

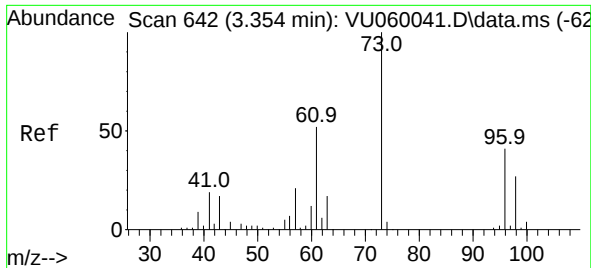
Ion Ratio Lower Upper

84 100

86 66.4 44.4 82.5

49 100.0 72.0 133.6

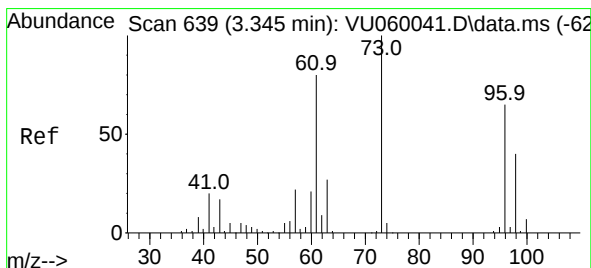
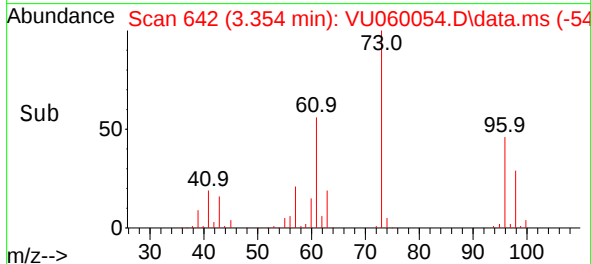
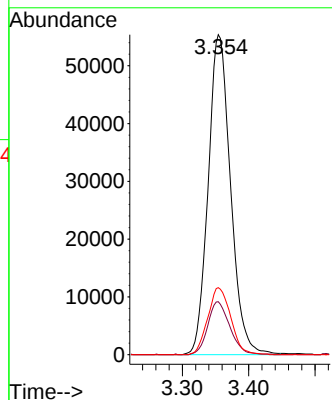
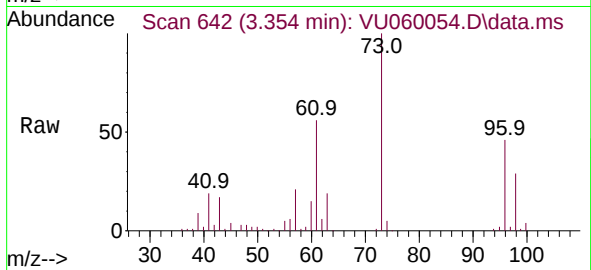




#17
Methyl tert-butyl Ether
Concen: 4.866 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

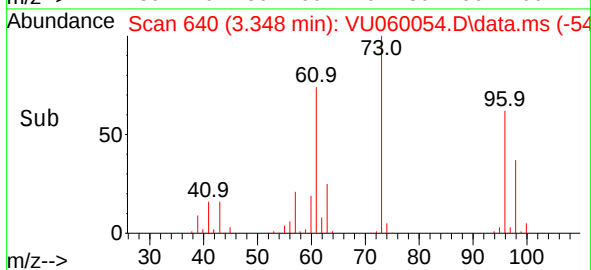
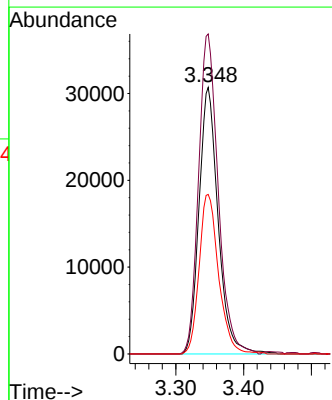
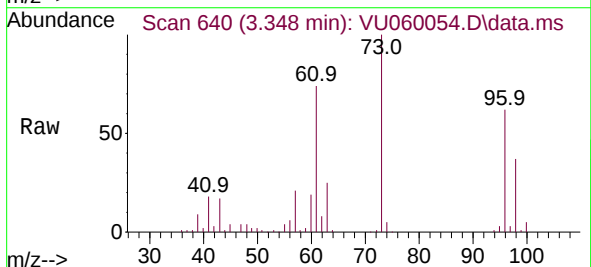
Instrument :
MSVOA_U
ClientSampleId :

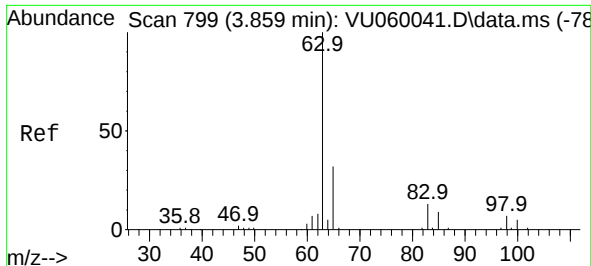
Tgt Ion: 73 Resp: 130045
Ion Ratio Lower Upper
73 100
43 16.3 13.1 19.7
57 21.5 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 4.939 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

Tgt Ion: 96 Resp: 60199
Ion Ratio Lower Upper
96 100
61 120.0 91.6 170.0
98 59.8 47.7 88.5

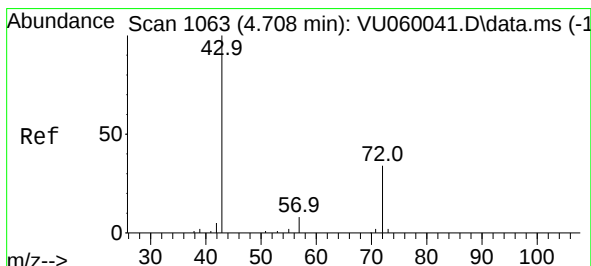
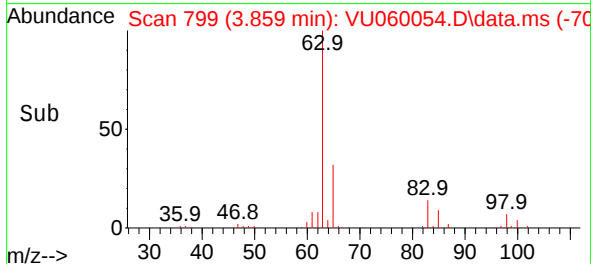
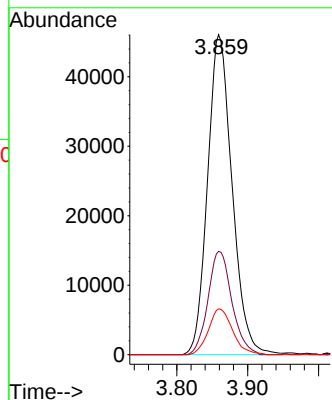
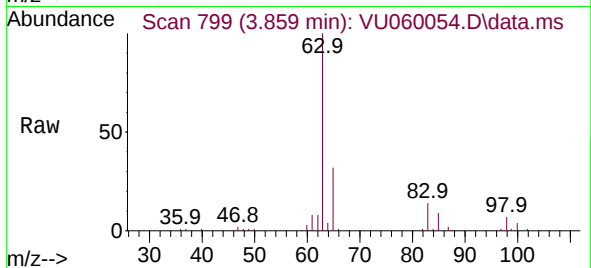




#19
1,1-Dichloroethane
Concen: 4.776 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

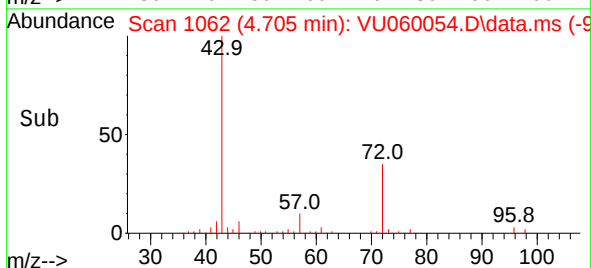
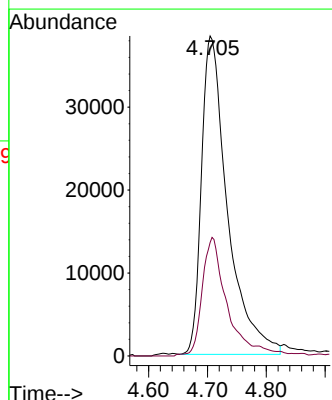
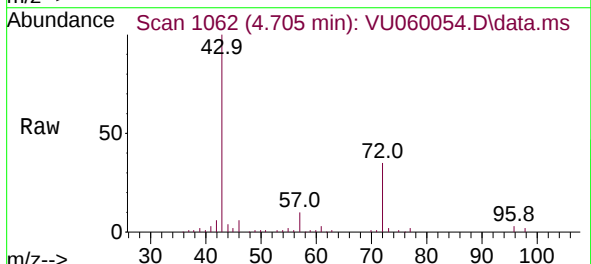
Instrument :
MSVOA_U
ClientSampleId :

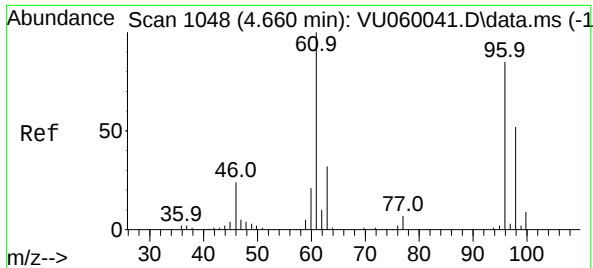
Tgt Ion: 63 Resp: 110539
Ion Ratio Lower Upper
63 100
65 32.3 22.0 40.8
83 14.3 9.7 17.9



#21
2-Butanone
Concen: 45.154 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. -0.003 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

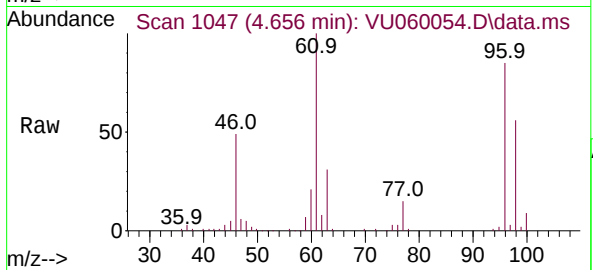
Tgt Ion: 43 Resp: 118080
Ion Ratio Lower Upper
43 100
72 33.7 16.3 48.9



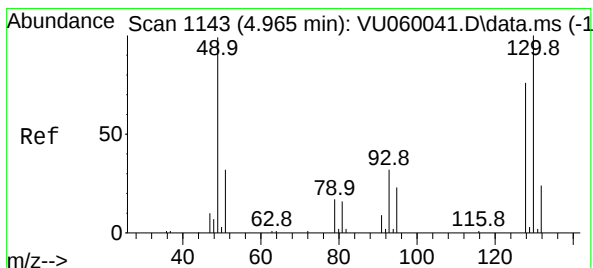
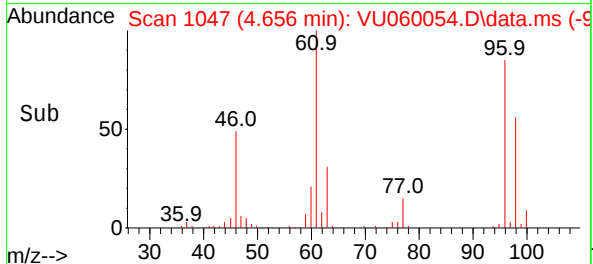
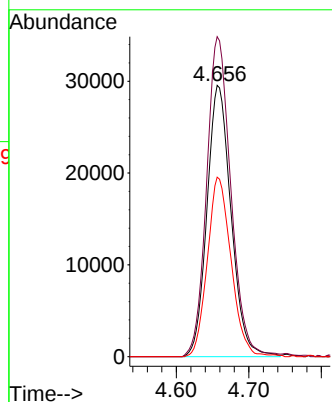


#22
 cis-1,2-Dichloroethene
 Concen: 5.001 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU060054.D
 Acq: 19 Jul 2024 12:13

Instrument :
 MSVOA_U
 ClientSampleId :

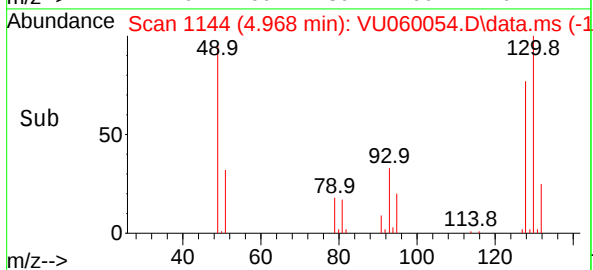
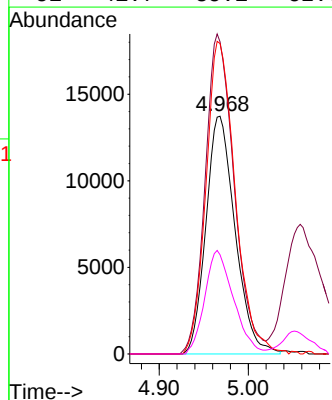
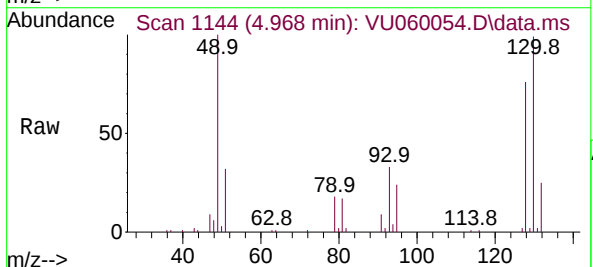


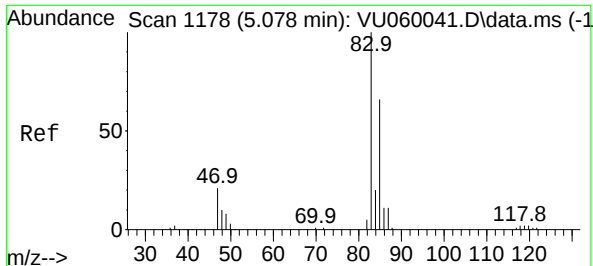
Tgt Ion: 96 Resp: 68277
 Ion Ratio Lower Upper
 96 100
 61 117.9 80.2 148.9
 98 66.2 44.7 83.1



#23
 Bromochloromethane
 Concen: 4.698 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: VU060054.D
 Acq: 19 Jul 2024 12:13

Tgt Ion:128 Resp: 31172
 Ion Ratio Lower Upper
 128 100
 49 131.2 92.3 171.3
 130 130.5 87.1 161.7
 51 41.7 35.1 52.7





#25

Chloroform

Concen: 4.577 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

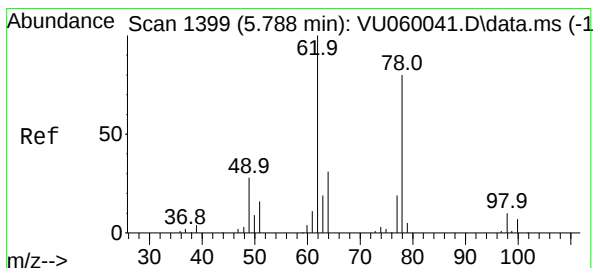
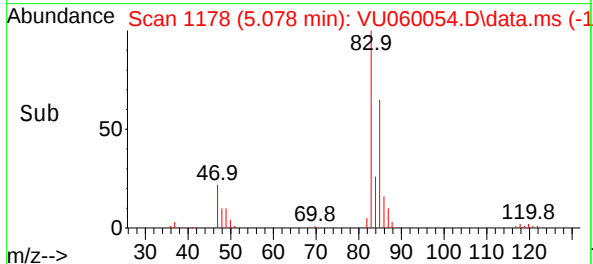
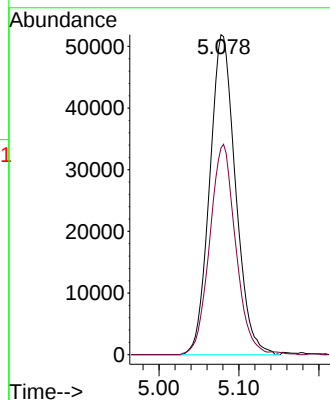
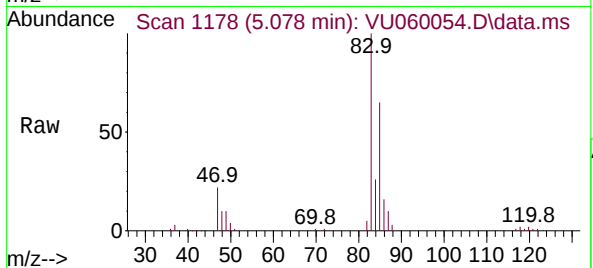
ClientSampleId :

Tgt Ion: 83 Resp: 116488

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2



#27

1,2-Dichloroethane

Concen: 4.481 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU060054.D

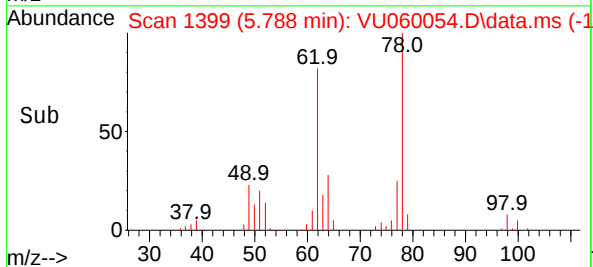
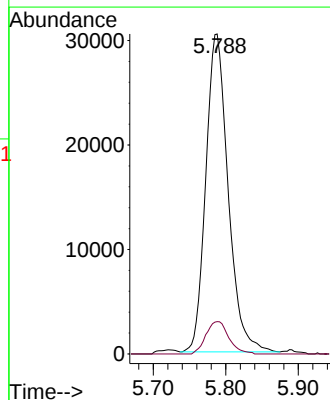
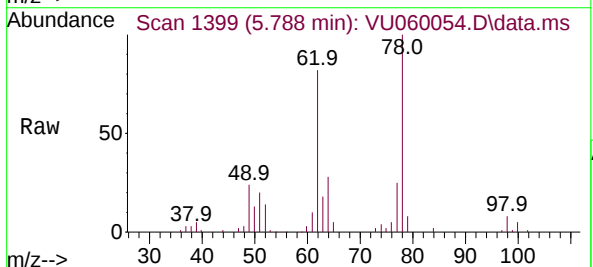
Acq: 19 Jul 2024 12:13

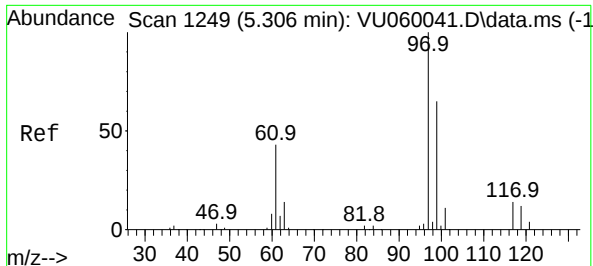
Tgt Ion: 62 Resp: 65201

Ion Ratio Lower Upper

62 100

98 10.1 7.9 11.9

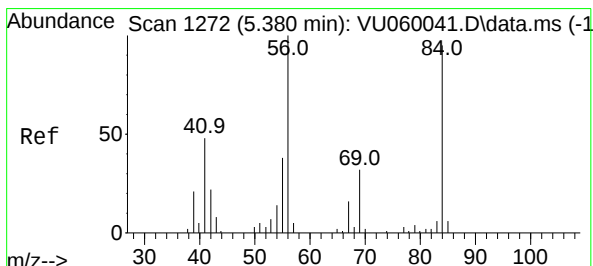
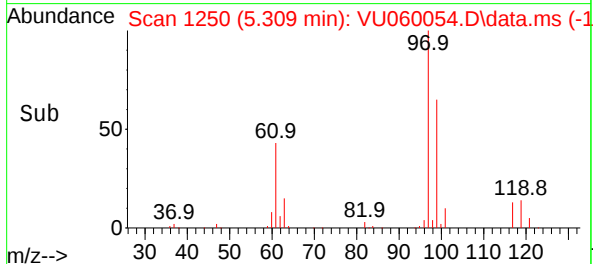
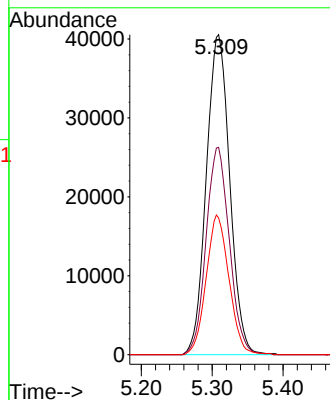
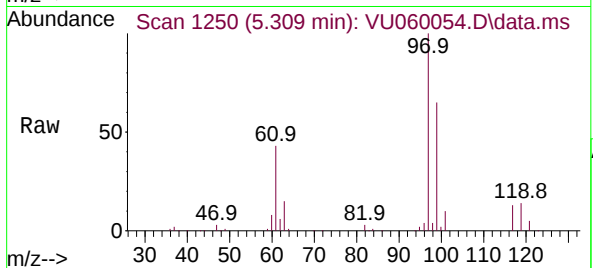




#29
1,1,1-Trichloroethane
Concen: 4.970 ug/L
RT: 5.309 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

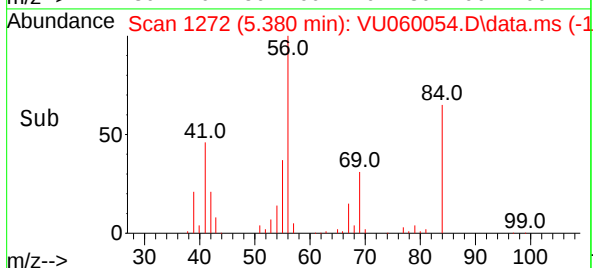
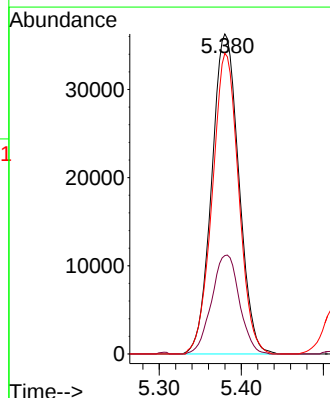
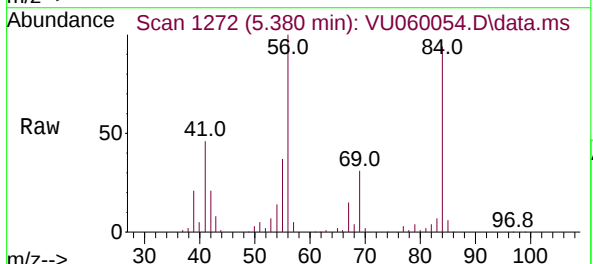
Instrument :
MSVOA_U
ClientSampleId :

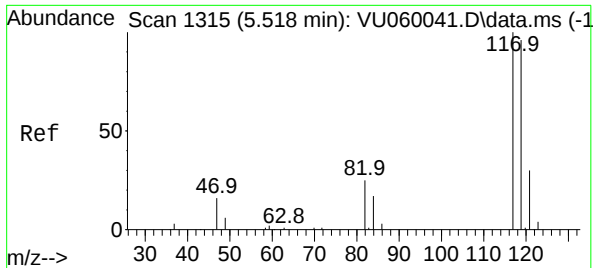
Tgt Ion: 97	Resp: 93271
Ion Ratio	Lower Upper
97	100
99	64.3 51.0 76.4
61	42.6 34.1 51.1



#30
Cyclohexane
Concen: 5.615 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

Tgt Ion: 56	Resp: 83347
Ion Ratio	Lower Upper
56	100
69	31.6 26.6 39.8
84	91.4 77.2 115.8

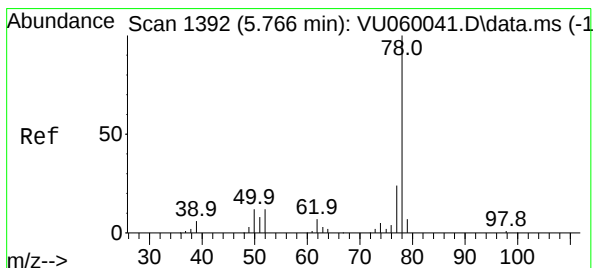
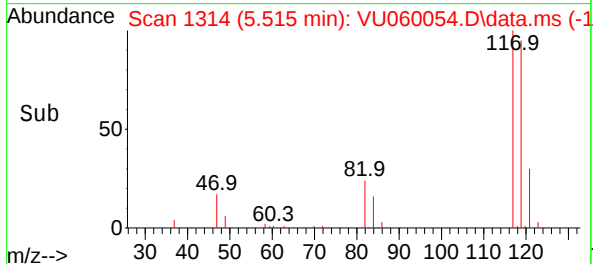
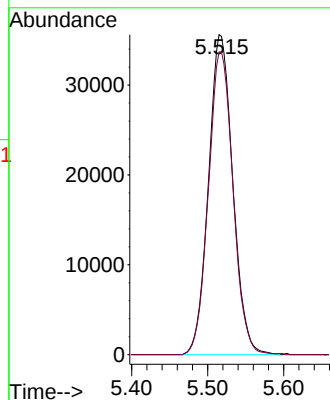
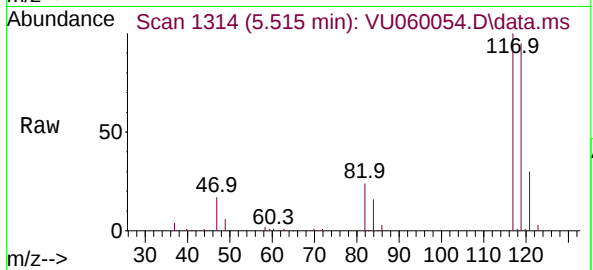




#31
Carbon tetrachloride
Concen: 4.883 ug/L
RT: 5.515 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

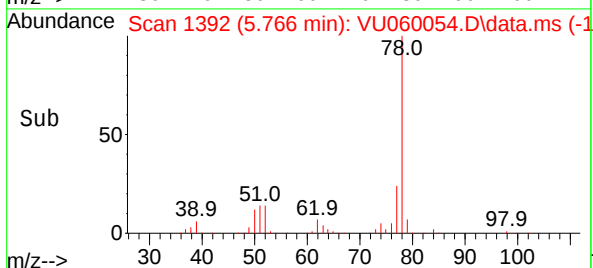
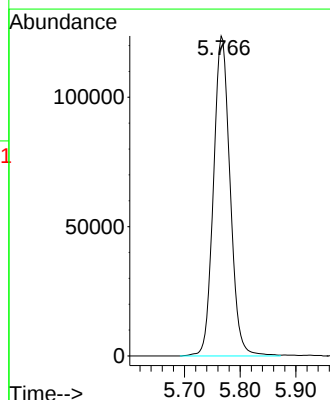
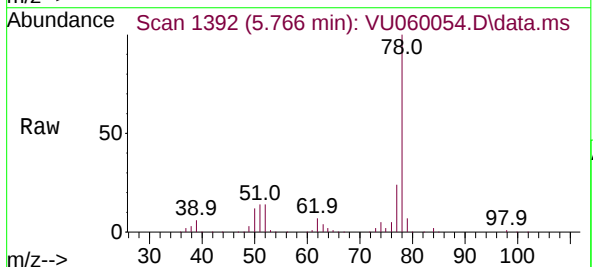
Instrument :
MSVOA_U
ClientSampleId :

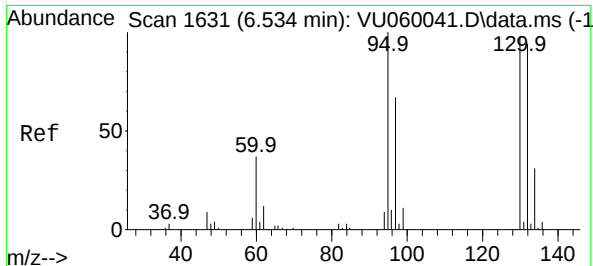
Tgt Ion:117 Resp: 79068
Ion Ratio Lower Upper
117 100
119 95.6 75.6 113.4



#33
Benzene
Concen: 5.174 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

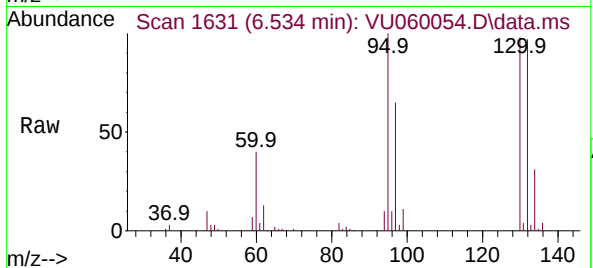
Tgt Ion: 78 Resp: 256839



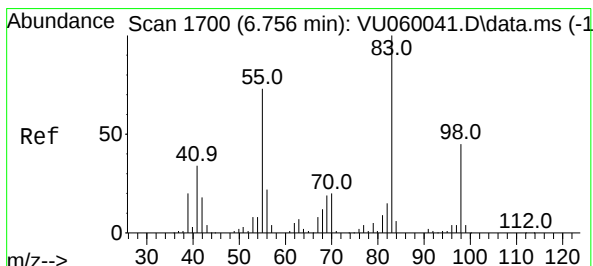
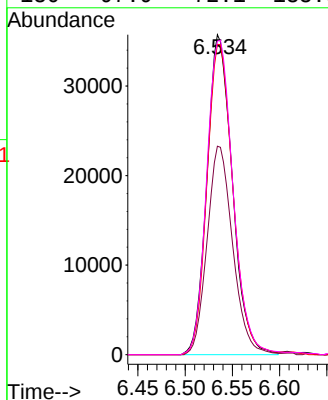
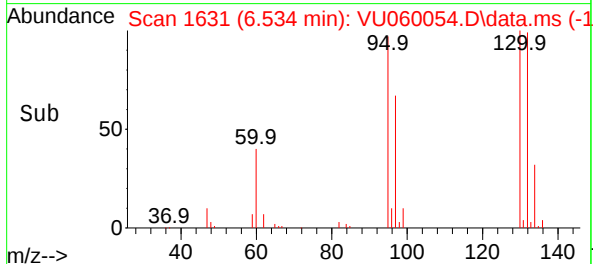


#34
Trichloroethene
Concen: 5.092 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

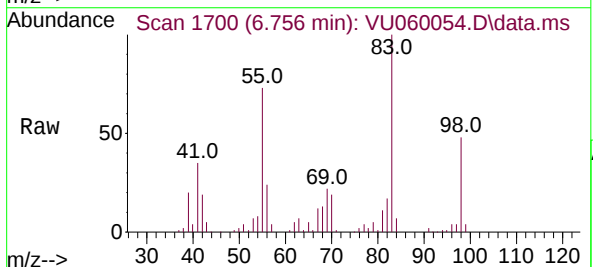
Instrument :
MSVOA_U
ClientSampleId :



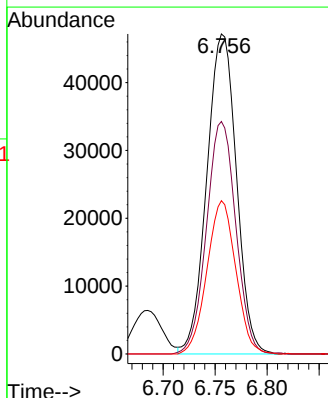
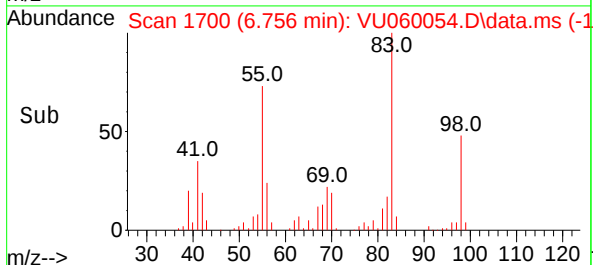
Tgt Ion: 95 Resp: 67039
Ion Ratio Lower Upper
95 100
97 65.2 45.9 85.3
132 97.0 71.4 132.6
130 97.9 72.1 133.9

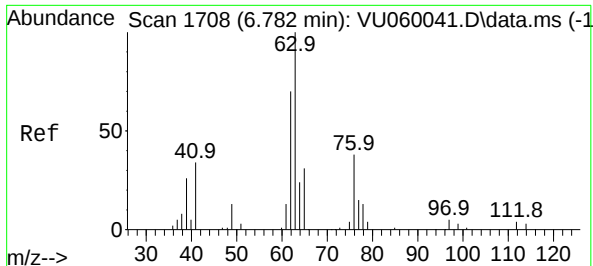


#35
Methylcyclohexane
Concen: 5.427 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13



Tgt Ion: 83 Resp: 93649
Ion Ratio Lower Upper
83 100
55 71.7 56.7 85.1
98 46.6 36.6 55.0

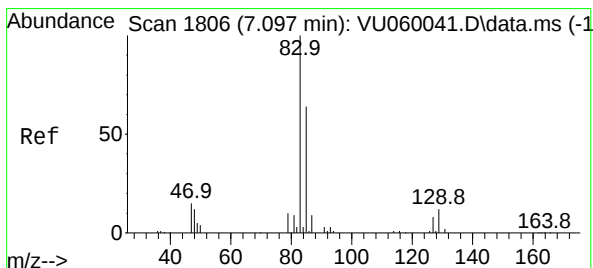
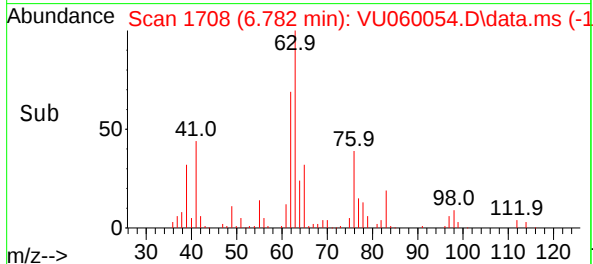
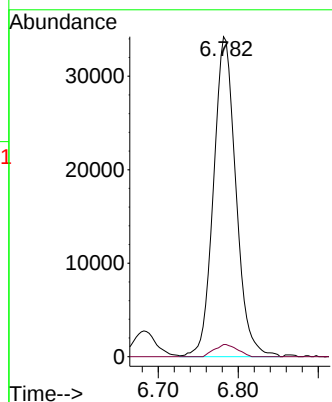
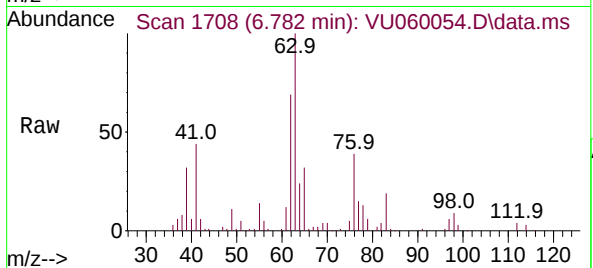




#37
1,2-Dichloropropane
Concen: 4.964 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

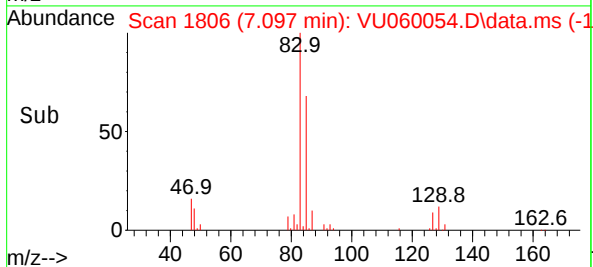
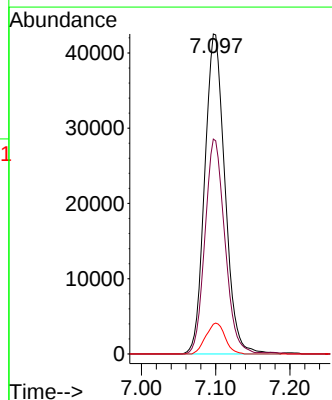
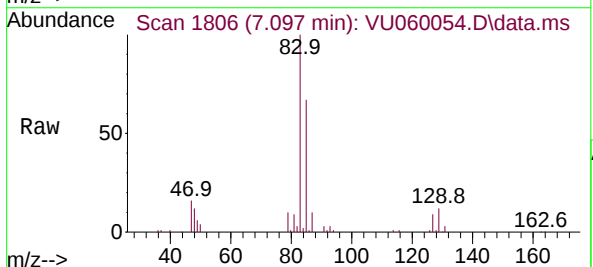
Instrument :
MSVOA_U
ClientSampleId :

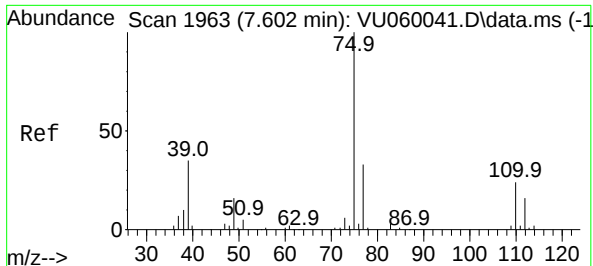
Tgt Ion: 63 Resp: 66560
Ion Ratio Lower Upper
63 100
112 3.9 3.3 4.9



#38
Bromodichloromethane
Concen: 4.774 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

Tgt Ion: 83 Resp: 80200
Ion Ratio Lower Upper
83 100
85 67.2 43.5 80.7
127 9.3 7.1 10.7

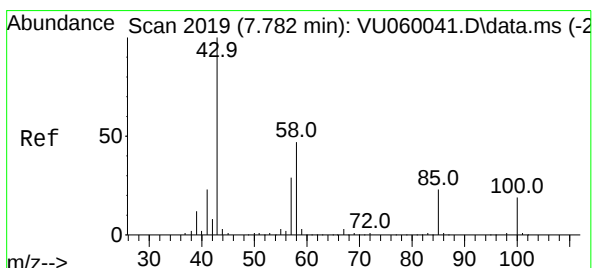
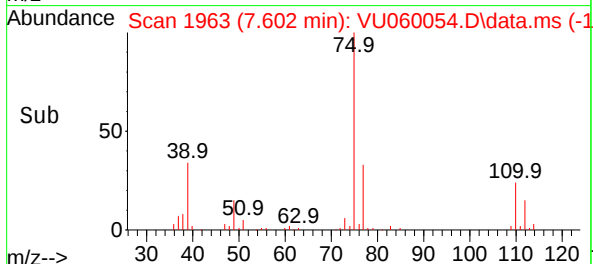
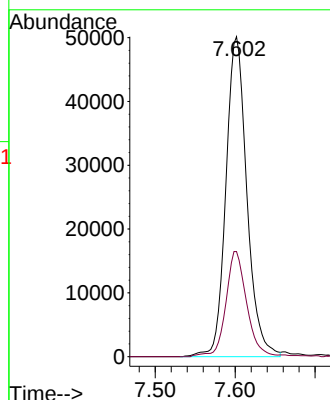
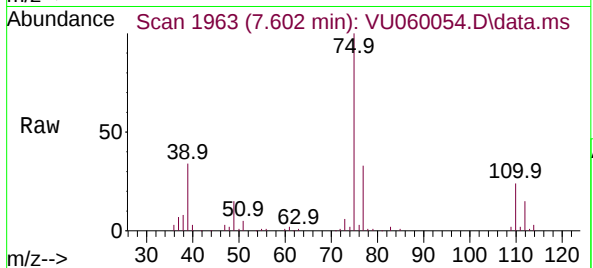




#39
 cis-1,3-Dichloropropene
 Concen: 5.213 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU060054.D
 Acq: 19 Jul 2024 12:13

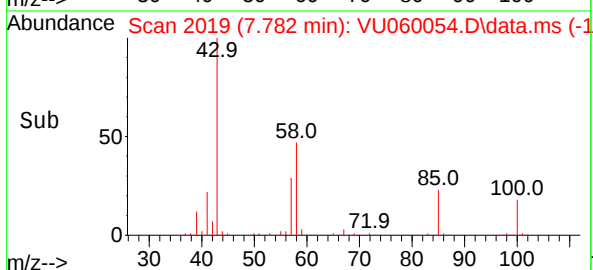
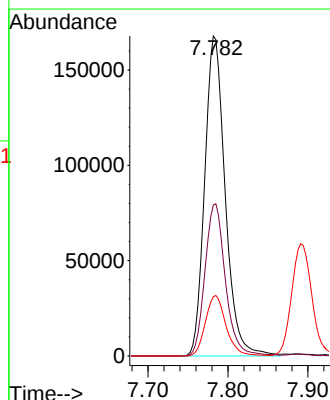
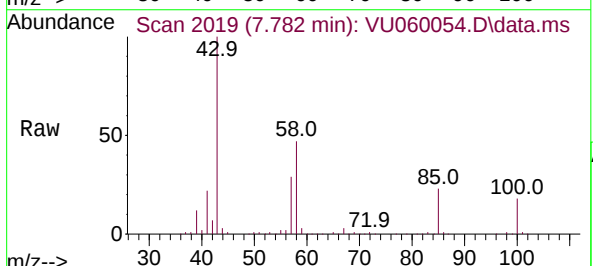
Instrument :
 MSVOA_U
 ClientSampleId :

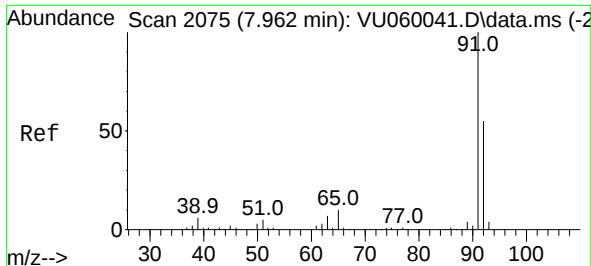
Tgt Ion: 75 Resp: 91360
 Ion Ratio Lower Upper
 75 100
 77 32.9 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 50.528 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU060054.D
 Acq: 19 Jul 2024 12:13

Tgt Ion: 43 Resp: 299829
 Ion Ratio Lower Upper
 43 100
 58 47.5 36.0 54.0
 100 19.0 14.9 22.3





#42

Toluene

Concen: 5.367 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

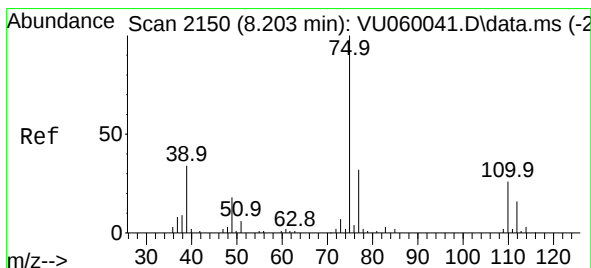
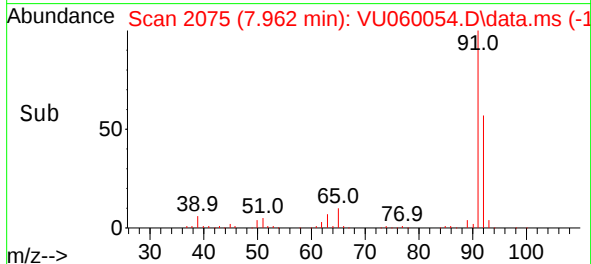
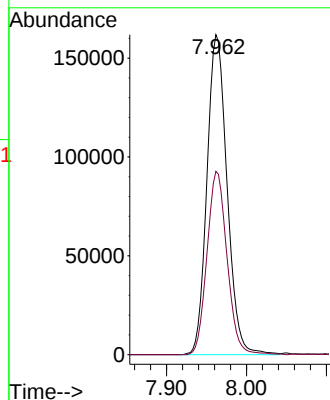
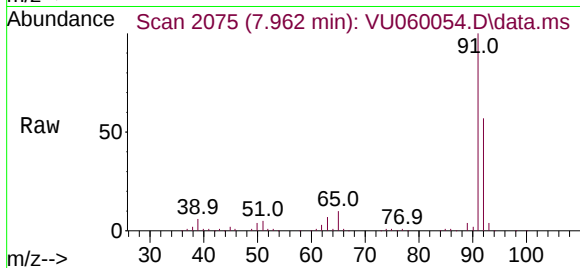
ClientSampleId :

Tgt Ion: 91 Resp: 283492

Ion Ratio Lower Upper

91 100

92 57.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 4.959 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU060054.D

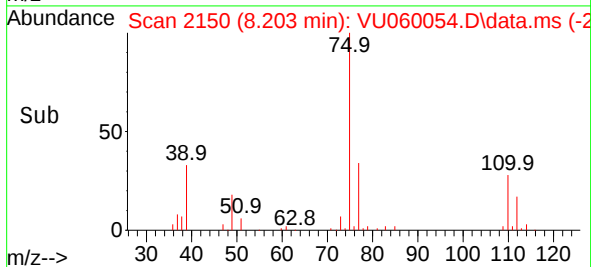
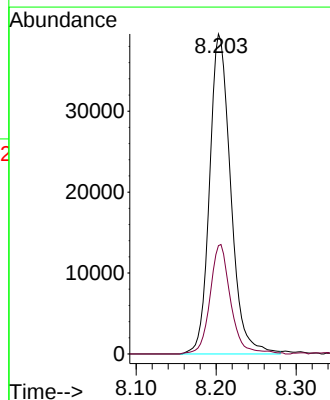
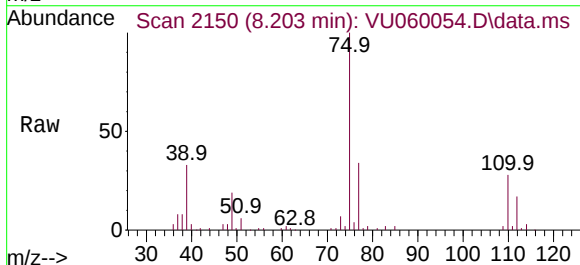
Acq: 19 Jul 2024 12:13

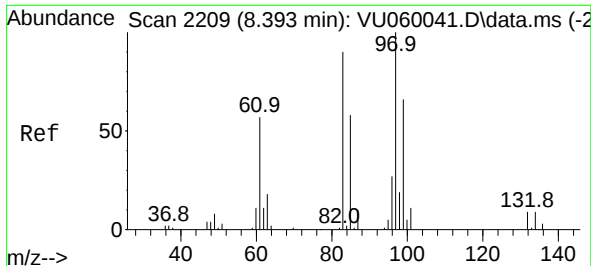
Tgt Ion: 75 Resp: 72592

Ion Ratio Lower Upper

75 100

77 33.9 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 4.956 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 50786

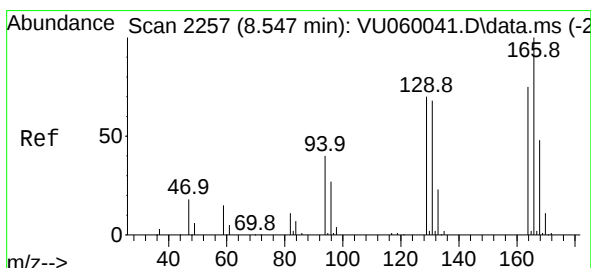
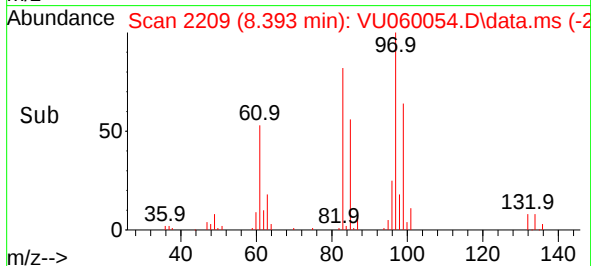
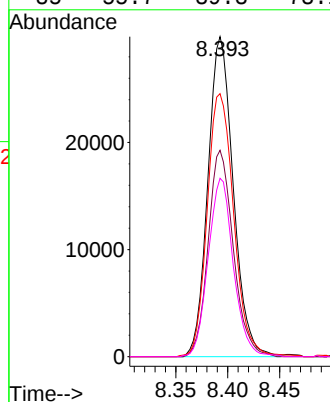
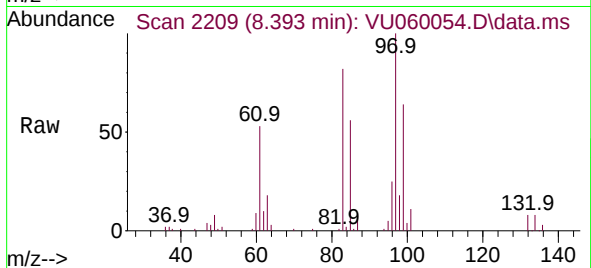
Ion Ratio Lower Upper

97 100

99 64.5 43.8 81.4

83 82.2 62.1 115.3

85 55.7 39.3 73.1



#47

Tetrachloroethene

Concen: 5.084 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Tgt Ion: 164 Resp: 55339

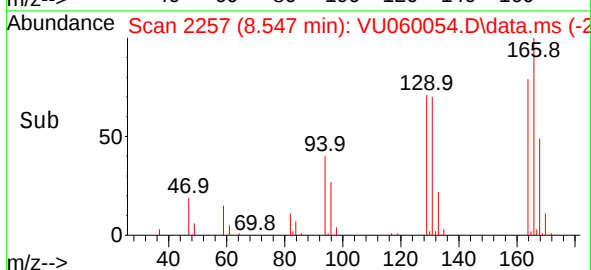
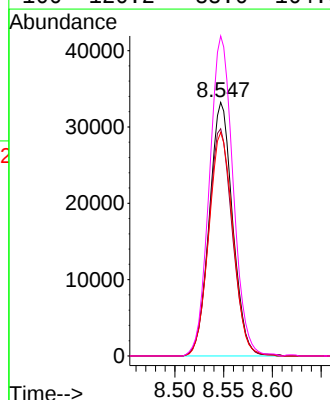
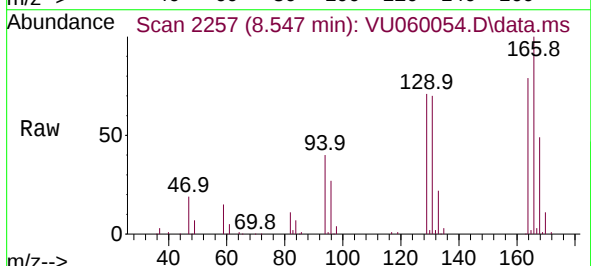
Ion Ratio Lower Upper

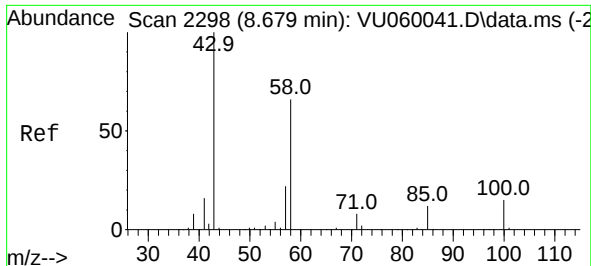
164 100

129 89.6 64.6 120.0

131 88.1 61.2 113.8

166 126.2 88.6 164.6





#48

2-Hexanone

Concen: 50.458 ug/L

RT: 8.679 min Scan# 219225

Delta R.T. -0.000 min MSVOA_U

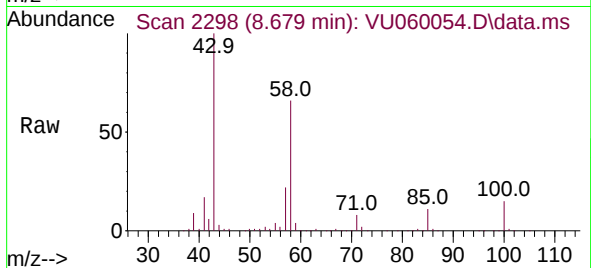
Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 219225

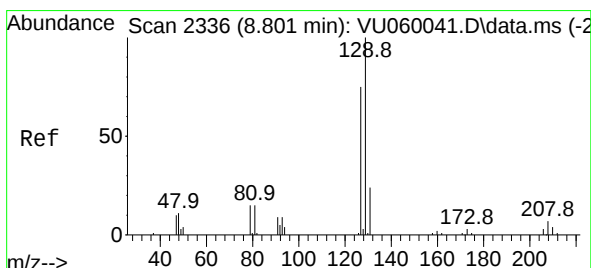
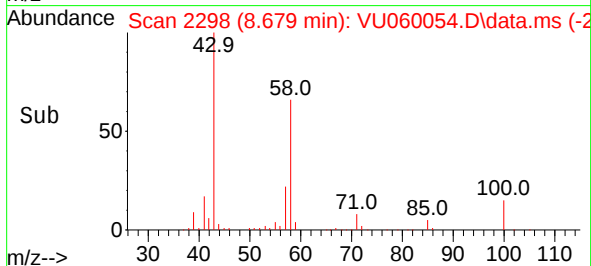
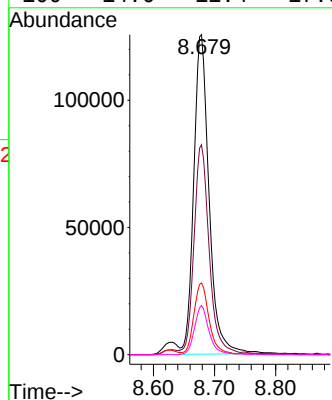
Ion Ratio Lower Upper

43 100

58 63.4 52.6 78.8

57 21.8 17.8 26.8

100 14.6 11.4 17.0



#49

Dibromochloromethane

Concen: 4.822 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU060054.D

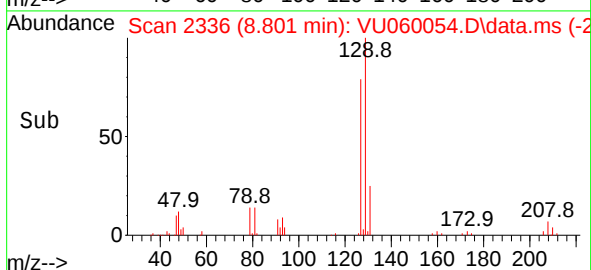
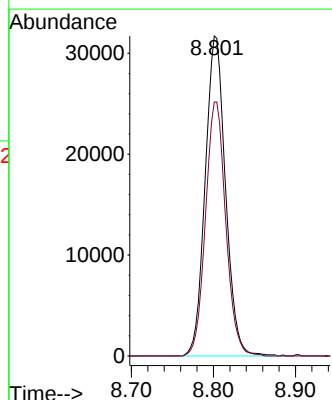
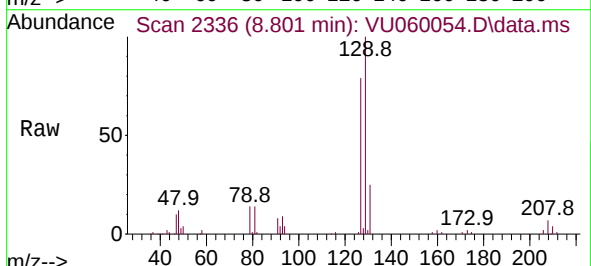
Acq: 19 Jul 2024 12:13

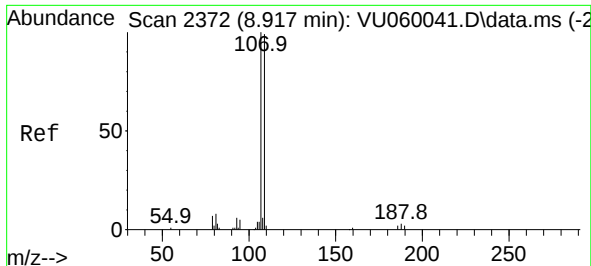
Tgt Ion: 129 Resp: 54662

Ion Ratio Lower Upper

129 100

127 79.3 54.6 101.4





#50

1,2-Dibromoethane

Concen: 4.967 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

ClientSampleId :

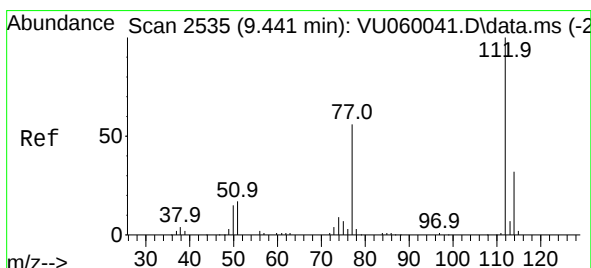
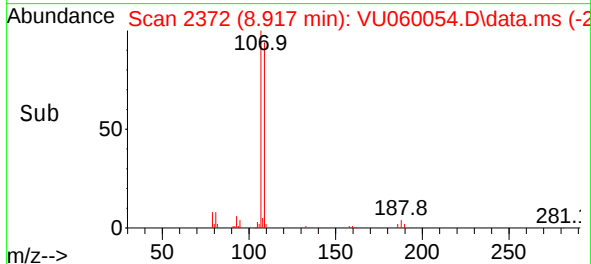
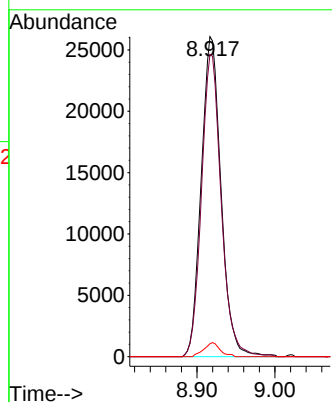
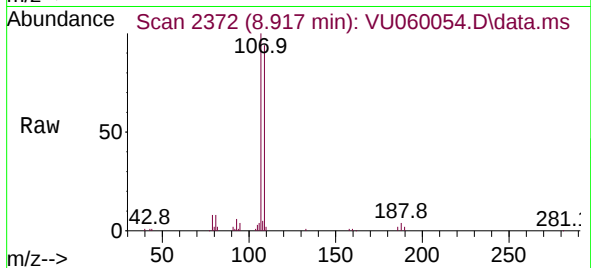
Tgt Ion:107 Resp: 46020

Ion Ratio Lower Upper

107 100

109 94.5 64.0 118.8

188 4.0 3.0 4.6



#51

Chlorobenzene

Concen: 5.142 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

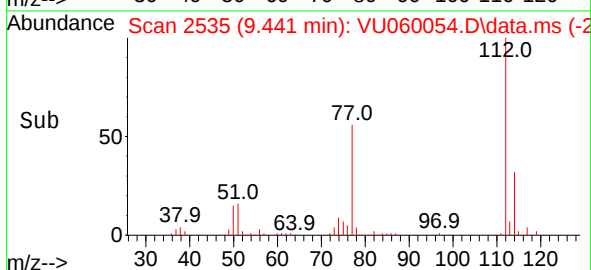
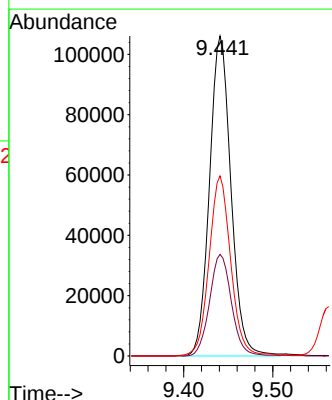
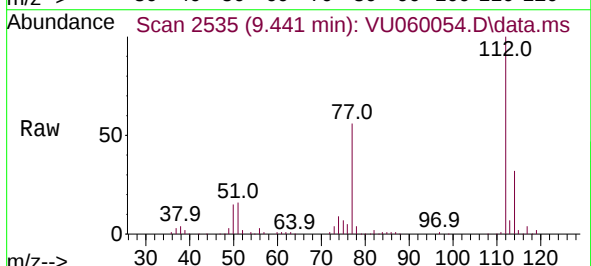
Tgt Ion:112 Resp: 177461

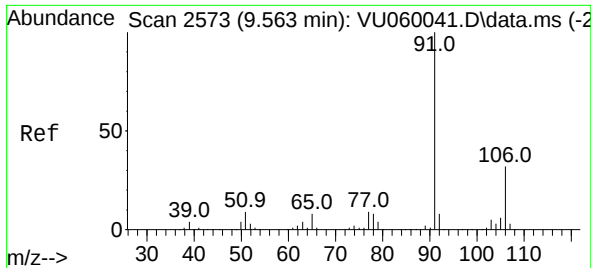
Ion Ratio Lower Upper

112 100

114 31.7 22.1 41.1

77 56.3 44.7 67.1





#52

Ethylbenzene

Concen: 5.465 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

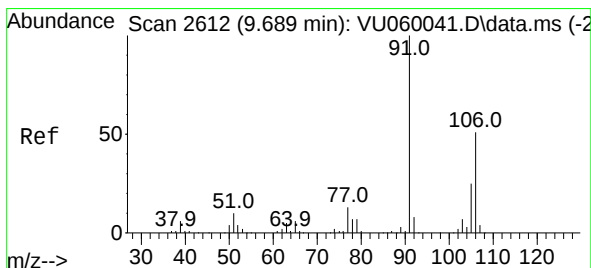
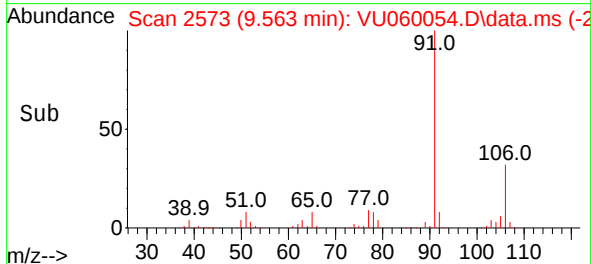
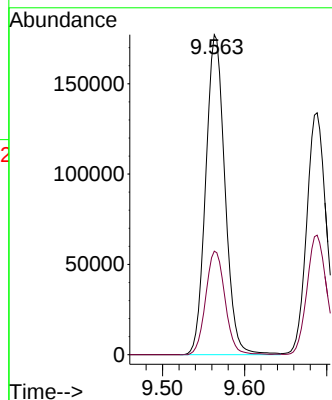
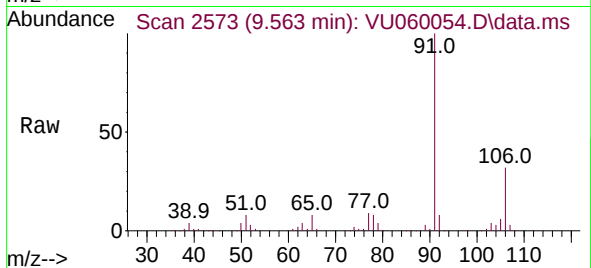
ClientSampleId :

Tgt Ion: 91 Resp: 287916

Ion Ratio Lower Upper

91 100

106 32.4 21.9 40.7



#53

m,p-Xylene

Concen: 5.486 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU060054.D

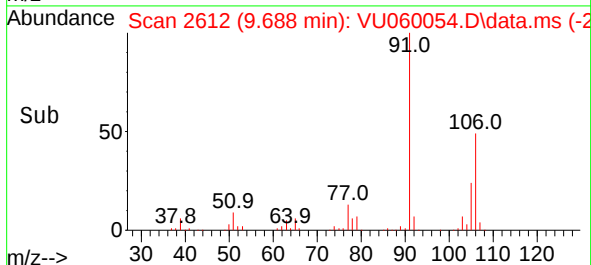
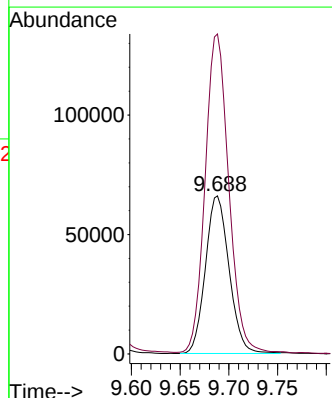
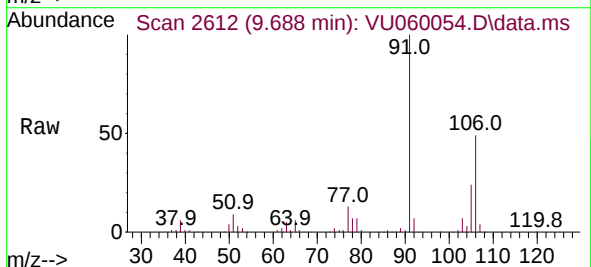
Acq: 19 Jul 2024 12:13

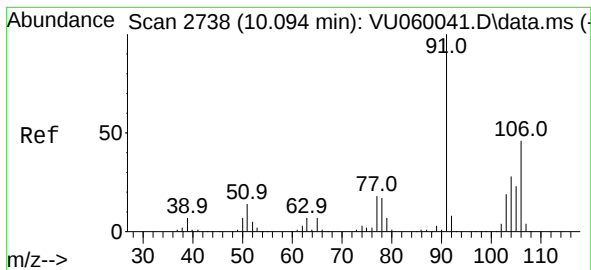
Tgt Ion:106 Resp: 111644

Ion Ratio Lower Upper

106 100

91 202.4 141.3 262.5





#54

o-Xylene

Concen: 5.581 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

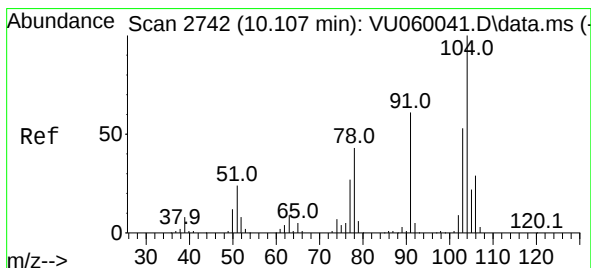
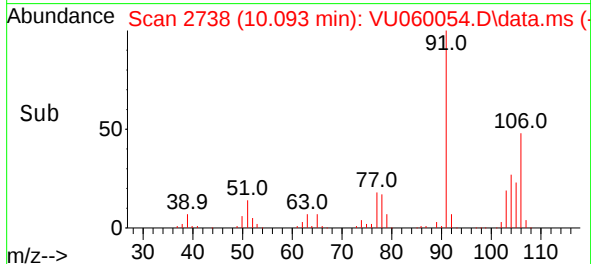
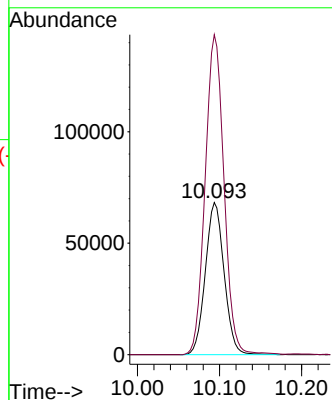
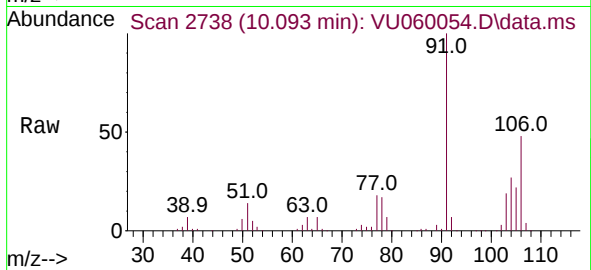
ClientSampleId :

Tgt Ion:106 Resp: 108629

Ion Ratio Lower Upper

106 100

91 210.3 143.6 266.6



#55

Styrene

Concen: 5.607 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.003 min

Lab File: VU060054.D

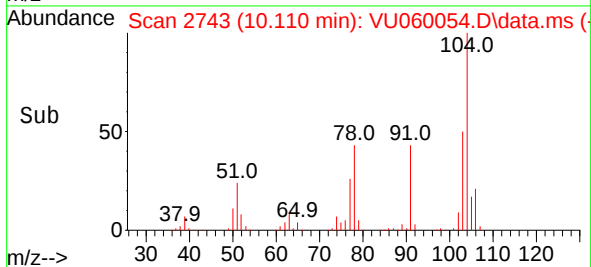
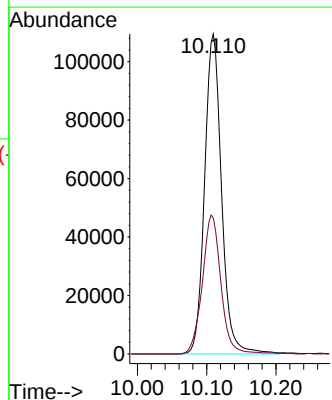
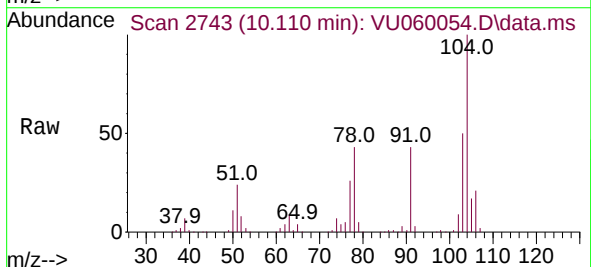
Acq: 19 Jul 2024 12:13

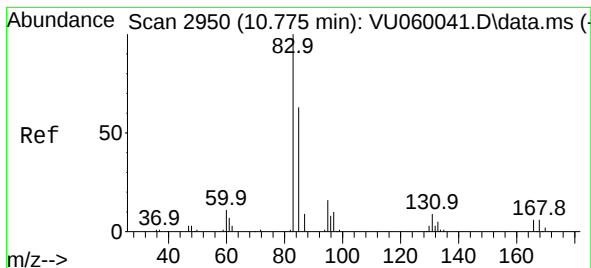
Tgt Ion:104 Resp: 185731

Ion Ratio Lower Upper

104 100

78 42.5 31.4 58.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.787 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

ClientSampleId :

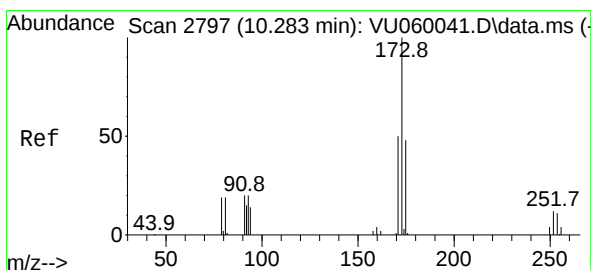
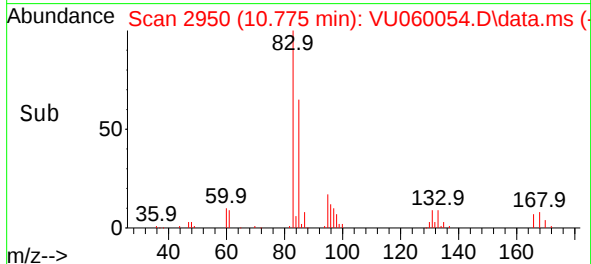
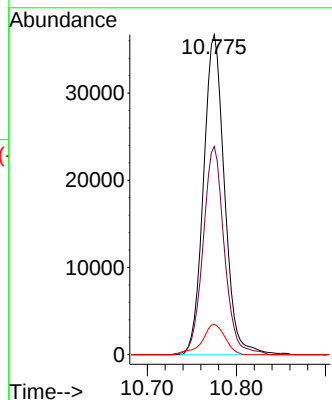
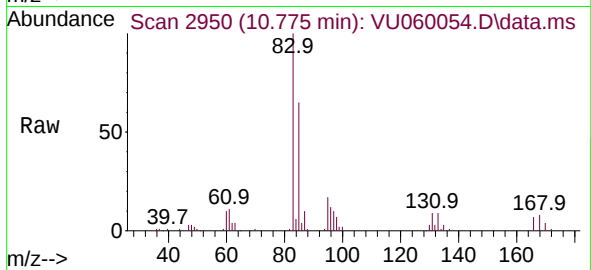
Tgt Ion: 83 Resp: 60010

Ion Ratio Lower Upper

83 100

85 65.0 46.8 87.0

131 9.4 7.8 11.6



#59

Bromoform

Concen: 4.638 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

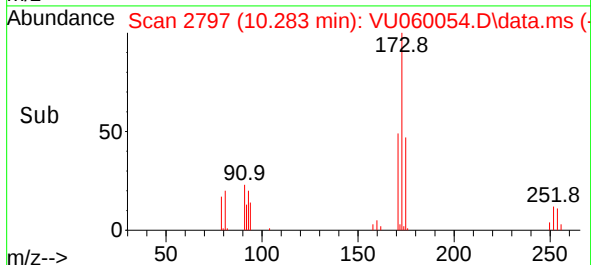
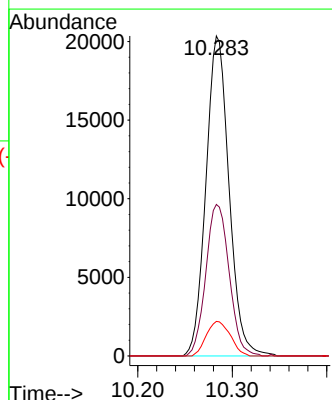
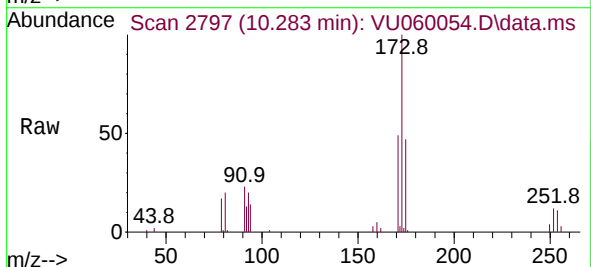
Tgt Ion:173 Resp: 34504

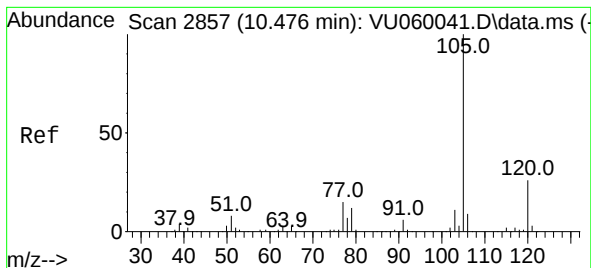
Ion Ratio Lower Upper

173 100

175 47.9 38.7 58.1

254 11.2 9.0 13.4





#60

Isopropylbenzene

Concen: 5.398 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

ClientSampleId :

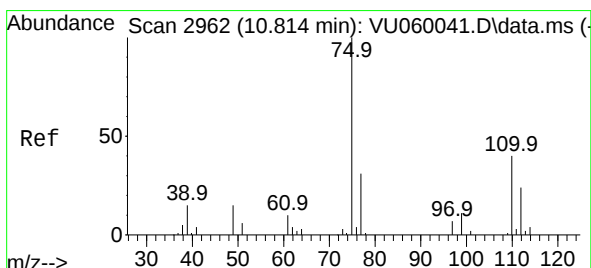
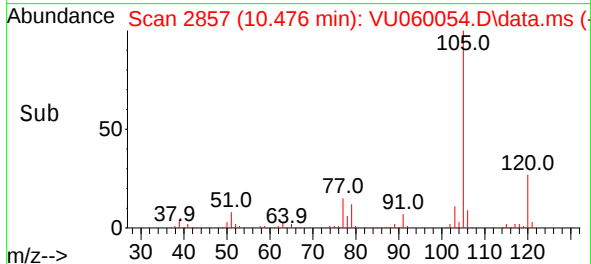
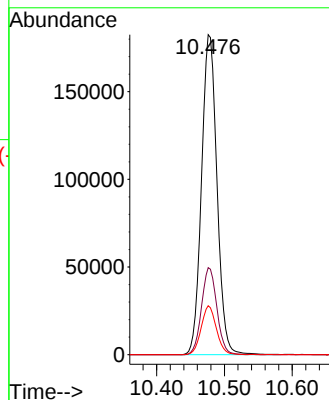
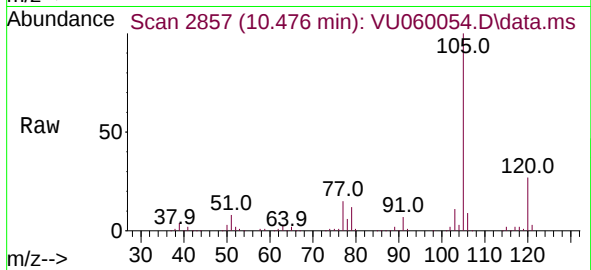
Tgt Ion:105 Resp: 288998

Ion Ratio Lower Upper

105 100

120 26.9 21.9 32.9

77 15.0 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 4.581 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

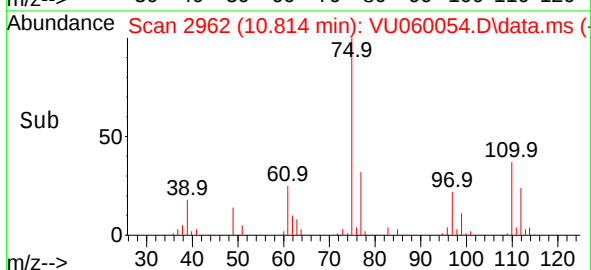
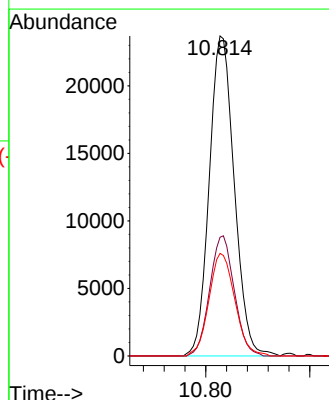
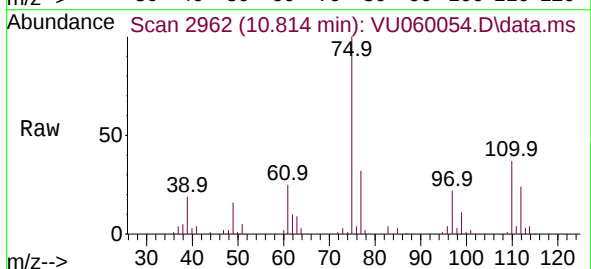
Tgt Ion: 75 Resp: 39528

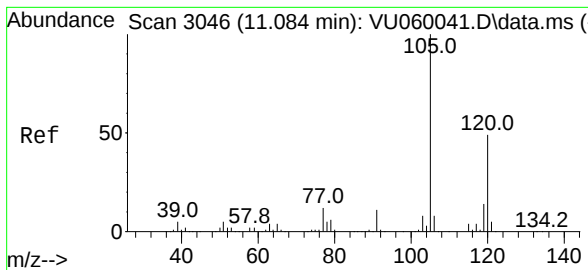
Ion Ratio Lower Upper

75 100

110 36.9 30.8 46.2

77 33.2 26.2 39.2

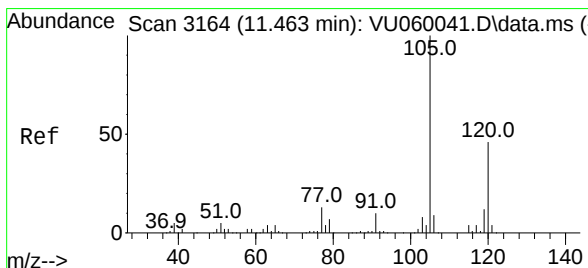
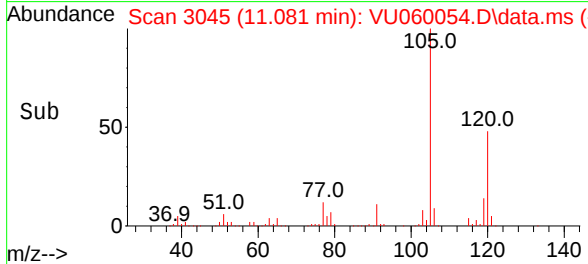
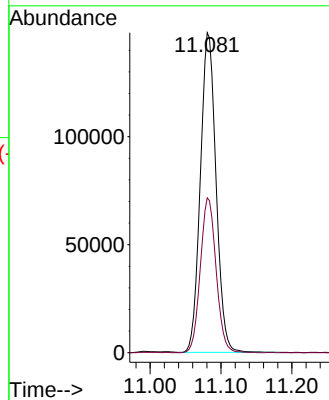
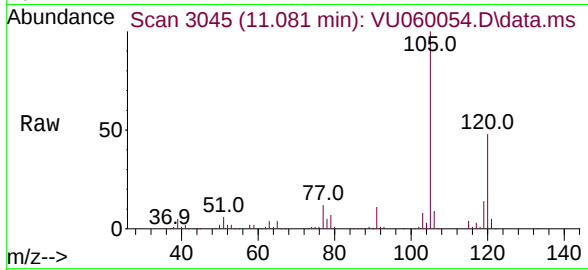




#62
1,3,5-Trimethylbenzene
Concen: 5.559 ug/L
RT: 11.081 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

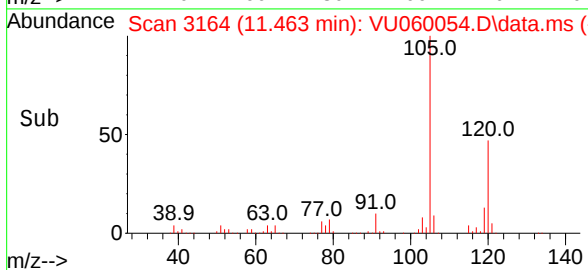
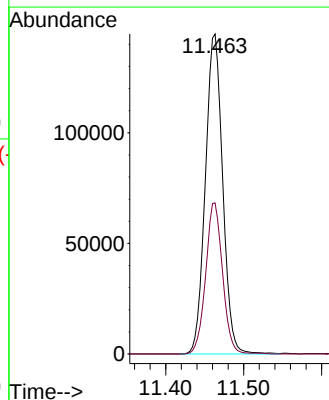
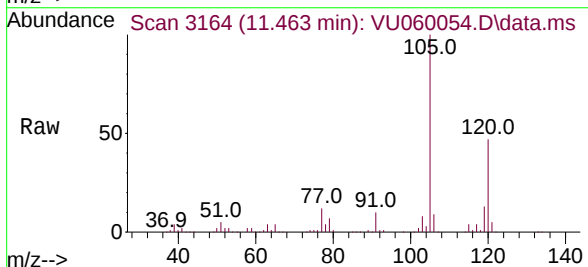
Instrument :
MSVOA_U
ClientSampleId :

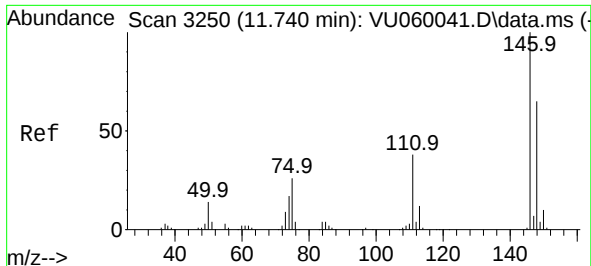
Tgt Ion:105 Resp: 227362
Ion Ratio Lower Upper
105 100
120 48.6 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 5.663 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

Tgt Ion:105 Resp: 223821
Ion Ratio Lower Upper
105 100
120 45.9 36.7 55.1

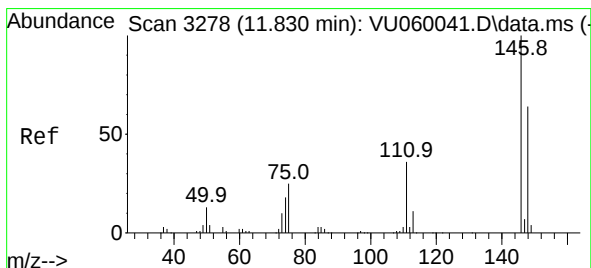
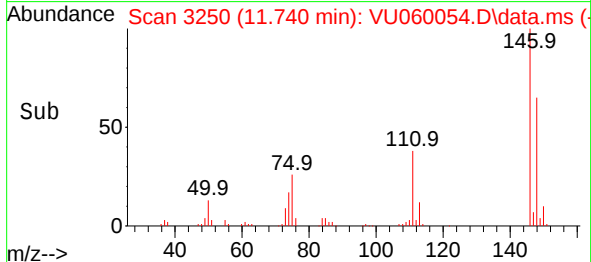
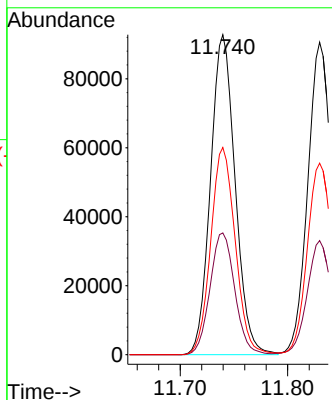
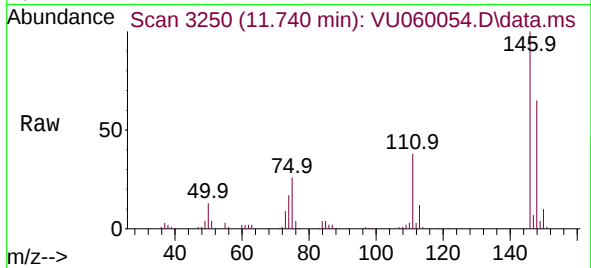




#64
1,3-Dichlorobenzene
Concen: 5.127 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

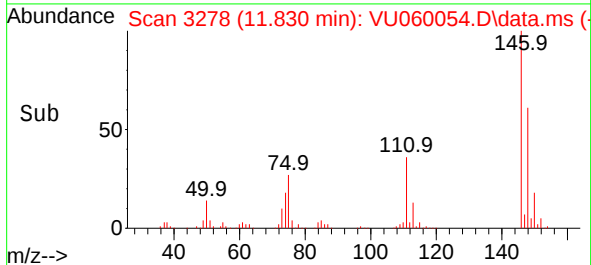
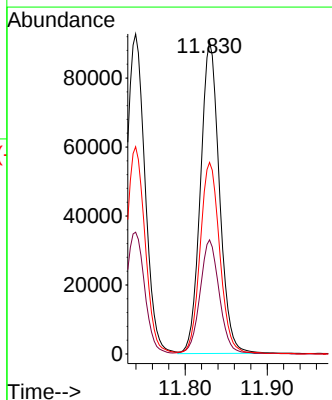
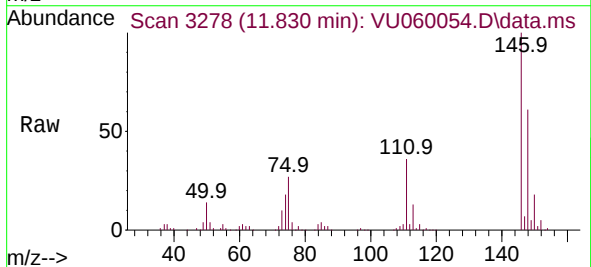
Instrument :
MSVOA_U
ClientSampleId :

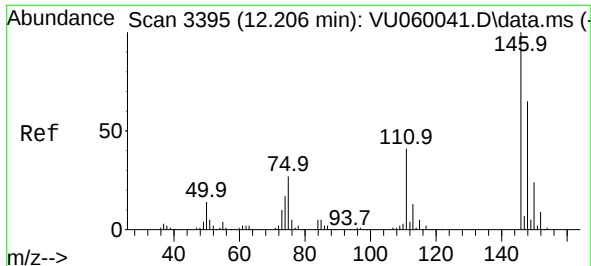
Tgt Ion:146 Resp: 147687
Ion Ratio Lower Upper
146 100
111 38.0 27.2 50.4
148 64.8 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.964 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

Tgt Ion:146 Resp: 145557
Ion Ratio Lower Upper
146 100
111 36.5 26.5 49.1
148 61.3 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.996 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

ClientSampleId :

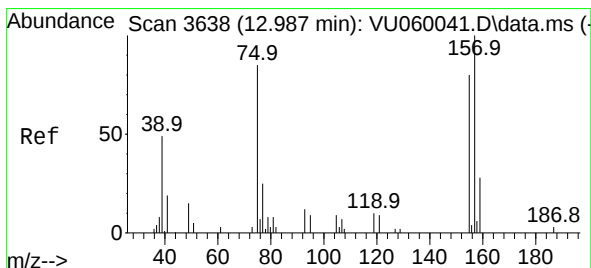
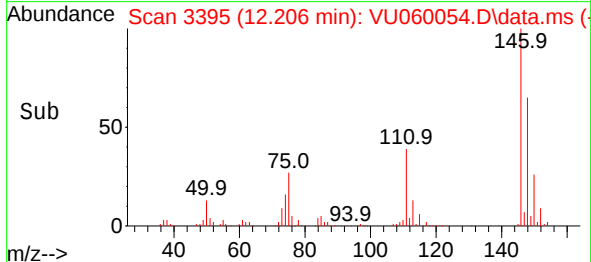
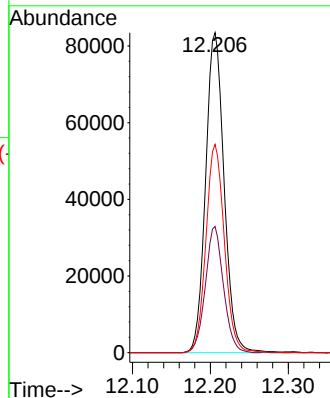
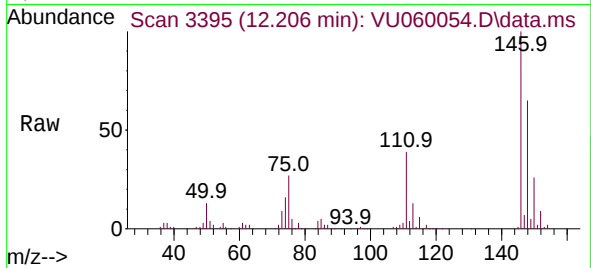
Tgt Ion:146 Resp: 137746

Ion Ratio Lower Upper

146 100

111 39.5 30.9 46.3

148 65.1 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.816 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

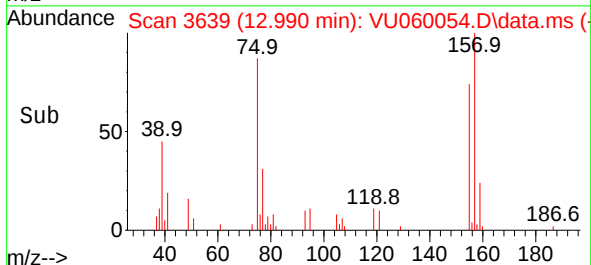
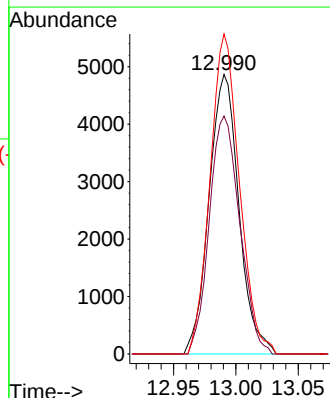
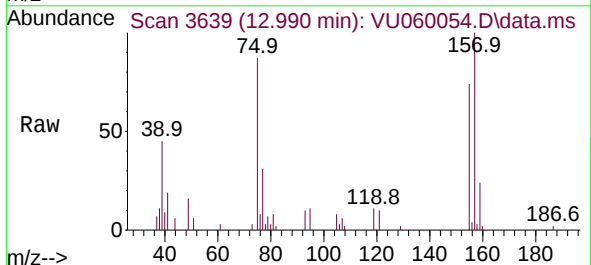
Tgt Ion: 75 Resp: 8100

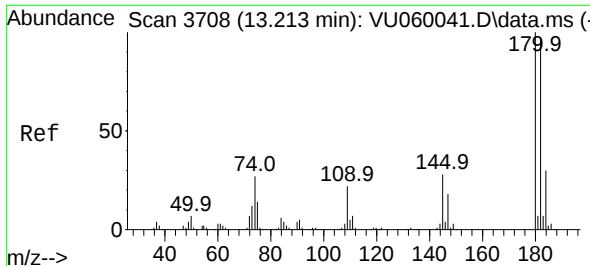
Ion Ratio Lower Upper

75 100

155 85.1 70.6 105.8

157 114.5 99.4 149.2





#69

1,3,5-Trichlorobenzene

Concen: 4.942 ug/L

RT: 13.212 min Scan# 3708

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 107446

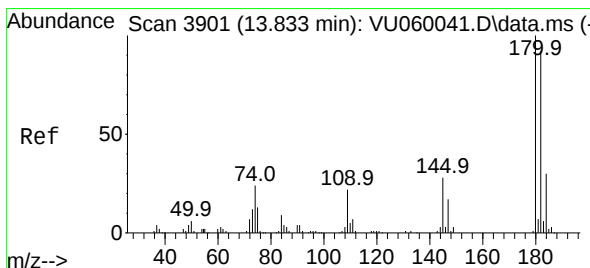
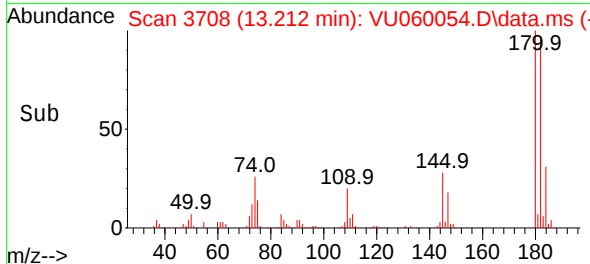
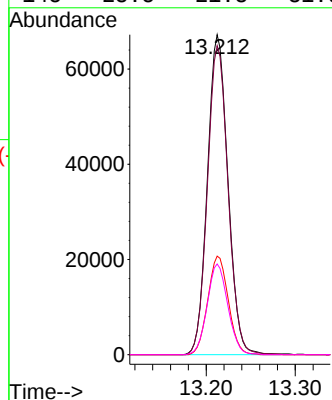
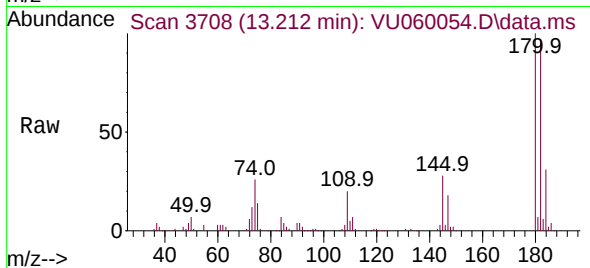
Ion Ratio Lower Upper

180 100

182 97.0 74.6 111.8

184 30.8 23.1 34.7

145 28.5 21.3 31.9



#70

1,2,4-trichlorobenzene

Concen: 5.203 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU060054.D

Acq: 19 Jul 2024 12:13

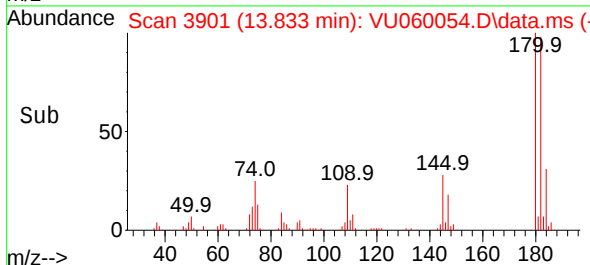
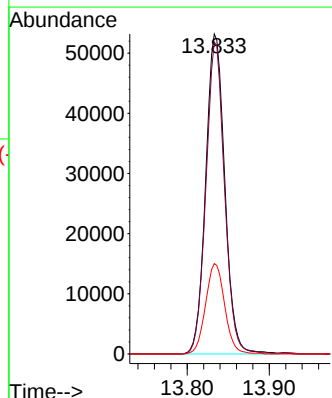
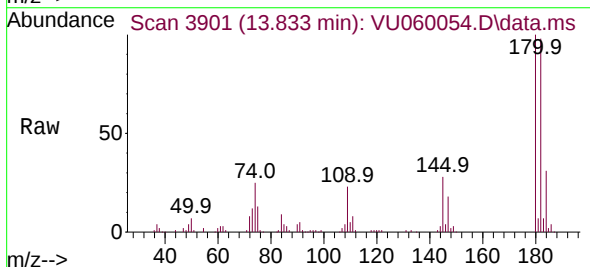
Tgt Ion:180 Resp: 86088

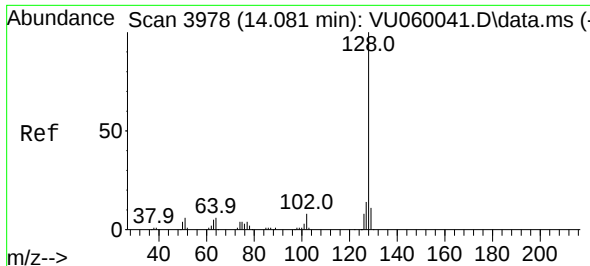
Ion Ratio Lower Upper

180 100

182 94.9 77.2 115.8

145 28.3 23.0 34.4

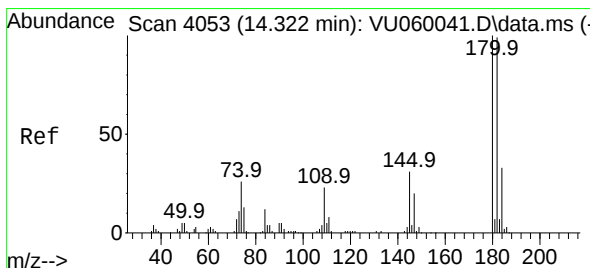
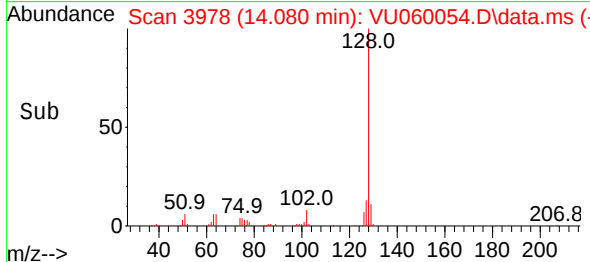
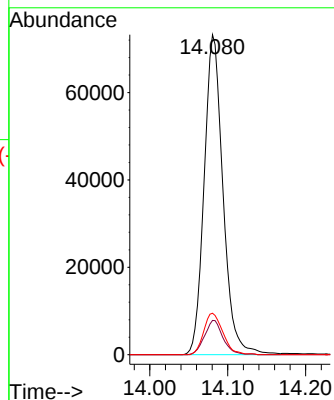
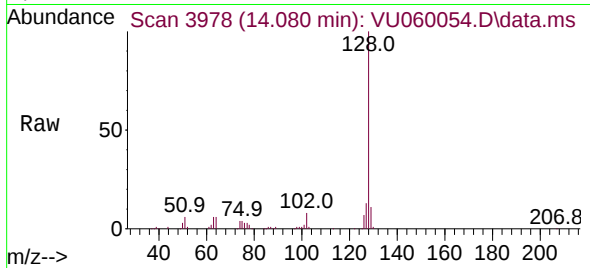




#71
Naphthalene
Concen: 5.249 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 123063
Ion Ratio Lower Upper
128 100
129 10.4 8.2 12.4
127 13.2 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.144 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU060054.D
Acq: 19 Jul 2024 12:13

Tgt Ion:180 Resp: 76543
Ion Ratio Lower Upper
180 100
182 95.9 76.3 114.5
145 30.1 23.9 35.9

