

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
 Data File : VU060145.D
 Acq On : 24 Jul 2024 04:49
 Operator : MD/SY
 Sample : P3300-19MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 06:01:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 24 05:34:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	162848	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	166737	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	86216	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	49026	4.327	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.600%
7) Chloroethane-d5	1.911	69	44915	4.267	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.560	65	18567	4.197	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.000%
20) 2-Butanone-d5	4.628	46	115903	43.754	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.500%
24) Chloroform-d	5.055	84	97558	4.097	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
26) 1,2-Dichloroethane-d4	5.695	65	46821	4.223	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.721	84	199063	4.456	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
36) 1,2-Dichloropropane-d6	6.682	67	60600	4.257	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.200%
41) Toluene-d8	7.891	98	187105	4.636	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.174	79	19474	4.019	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.400%
46) 2-Hexanone-d5	8.627	63	95971	44.632	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.260%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	54707	4.318	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	69699	4.479	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	45966	3.733	ug/L	100
3) Chloromethane	1.518	50	58501	3.933	ug/L	100
5) Vinyl chloride	1.602	62	64840	3.889	ug/L	100
6) Bromomethane	1.853	94	44138	4.066	ug/L	94
8) Chloroethane	1.930	64	43207	3.967	ug/L	99
9) Trichlorofluoromethane	2.133	101	84579	4.022	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	53441	3.895	ug/L	99
12) 1,1-Dichloroethene	2.576	96	49930	4.017	ug/L	91
13) Acetone	2.641	43	105914	60.443	ug/L	99
14) Carbon disulfide	2.788	76	136649	3.776	ug/L	99
15) Methyl Acetate	2.853	43	1251263	290.330	ug/L #	46
16) Methylene chloride	3.036	84	62288	4.087	ug/L	96
17) Methyl tert-butyl Ether	3.358	73	132950	4.690	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	52736	4.079	ug/L	93
19) 1,1-Dichloroethane	3.859	63	100377	4.088	ug/L	97
21) 2-Butanone	4.708	43	125253	45.154	ug/L	94
22) cis-1,2-Dichloroethene	4.660	96	64340	4.443	ug/L	97
23) Bromochloromethane	4.968	128	30671	4.358	ug/L	94
25) Chloroform	5.081	83	114181	4.229	ug/L	97

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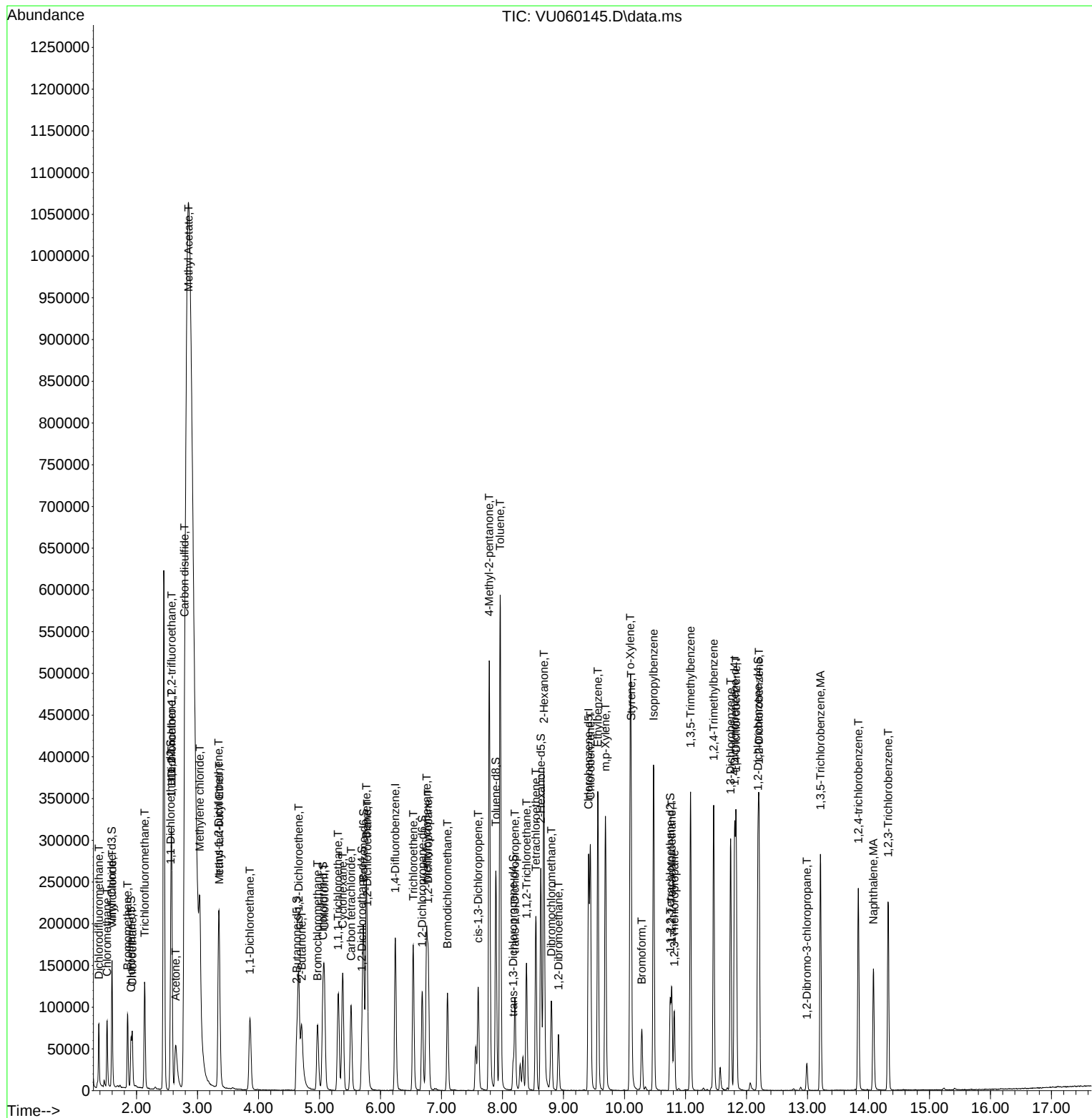
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	63658	4.125	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	87043	4.179	ug/L	99
30) Cyclohexane	5.380	56	68347	4.149	ug/L	99
31) Carbon tetrachloride	5.518	117	72798	4.052	ug/L	98
33) Benzene	5.766	78	238480	4.330	ug/L	100
34) Trichloroethene	6.537	95	61470	4.208	ug/L	99
35) Methylcyclohexane	6.756	83	74941	3.913	ug/L	100
37) 1,2-Dichloropropane	6.782	63	62196	4.180	ug/L	100
38) Bromodichloromethane	7.097	83	79396	4.259	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	79566	4.092	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	311067	47.240	ug/L	96
42) Toluene	7.962	91	460682	7.859	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	66617	4.101	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	50919	4.478	ug/L	98
47) Tetrachloroethene	8.547	164	50072	4.145	ug/L	96
48) 2-Hexanone	8.679	43	227910	47.272	ug/L	98
49) Dibromochloromethane	8.801	129	55473	4.410	ug/L	99
50) 1,2-Dibromoethane	8.917	107	46036	4.478	ug/L	98
51) Chlorobenzene	9.441	112	165793	4.329	ug/L	99
52) Ethylbenzene	9.563	91	257557	4.406	ug/L	99
53) m,p-Xylene	9.688	106	103274	4.573	ug/L	93
54) o-Xylene	10.094	106	99583	4.611	ug/L	98
55) Styrene	10.110	104	159014	4.326	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	62493	4.493	ug/L	99
59) Bromoform	10.283	173	36200	4.620	ug/L	100
60) Isopropylbenzene	10.476	105	257937	4.574	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	41907	4.610	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	193663	4.495	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	190802	4.583	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	136898	4.512	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	136537	4.420	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	131355	4.523	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	8550	4.826	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	97070	4.239	ug/L	97
70) 1,2,4-trichlorobenzene	13.833	180	81183	4.658	ug/L	99
71) Naphthalene	14.081	128	127726	5.172	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	78076	4.981	ug/L	99

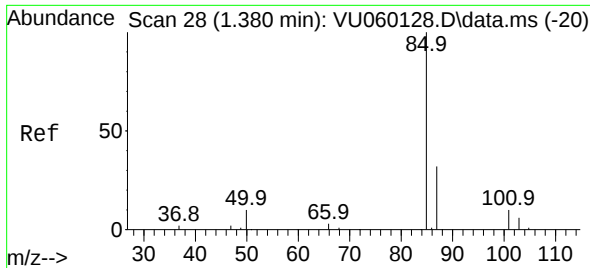
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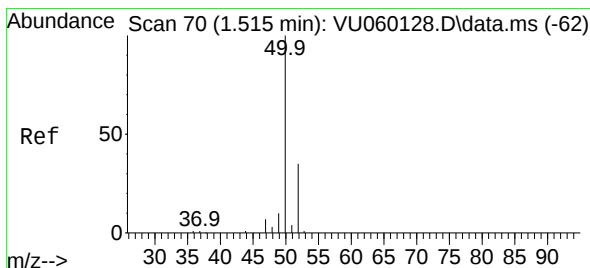
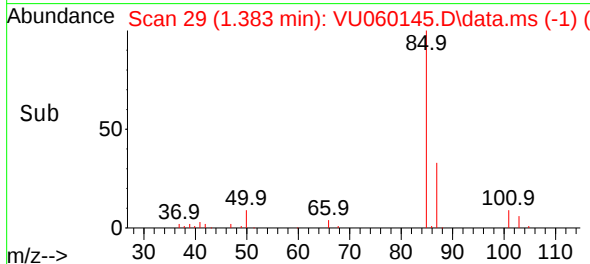
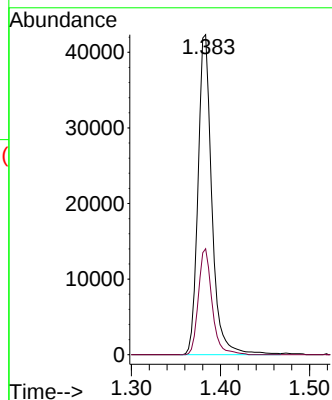
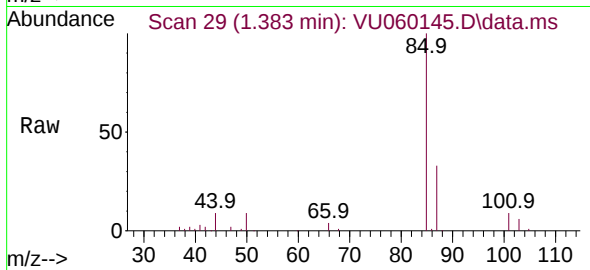




#2
 Dichlorodifluoromethane
 Concen: 3.733 ug/L
 RT: 1.383 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VU060145.D
 Acq: 24 Jul 2024 04:49

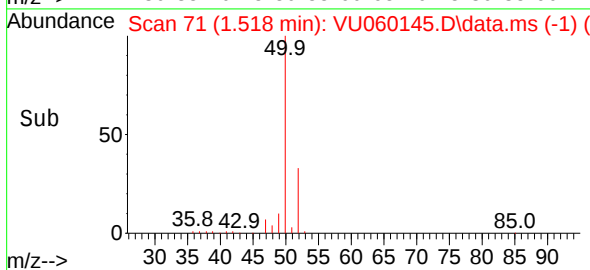
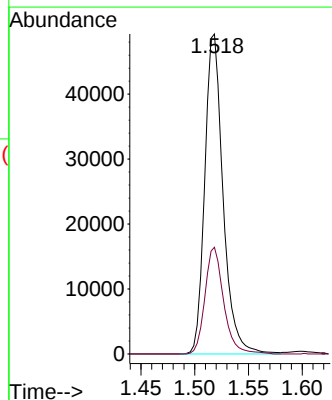
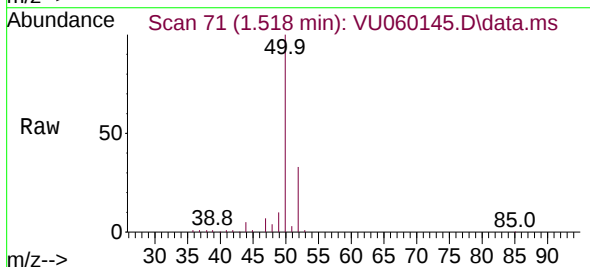
Instrument :
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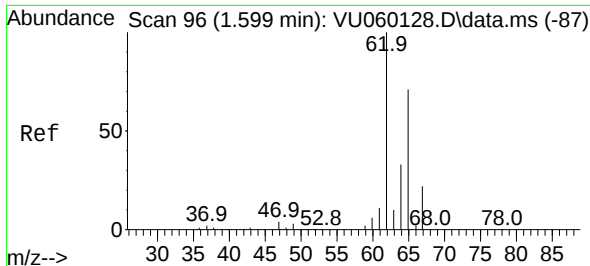
Tgt Ion: 85 Resp: 45966
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.1 39.1



#3
 Chloromethane
 Concen: 3.933 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU060145.D
 Acq: 24 Jul 2024 04:49

Tgt Ion: 50 Resp: 58501
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.4 43.4

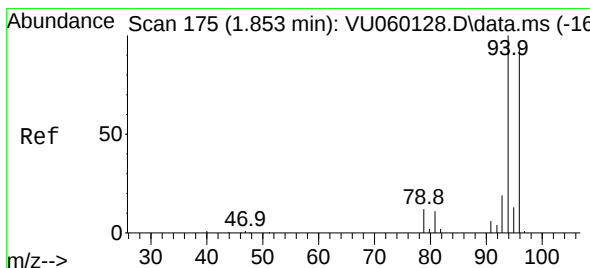
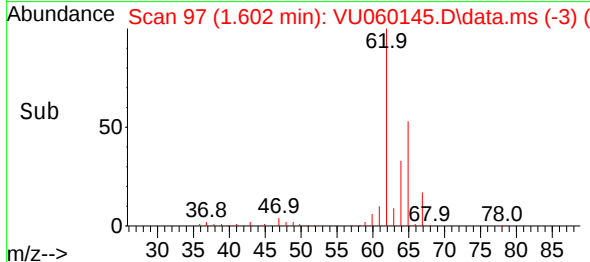
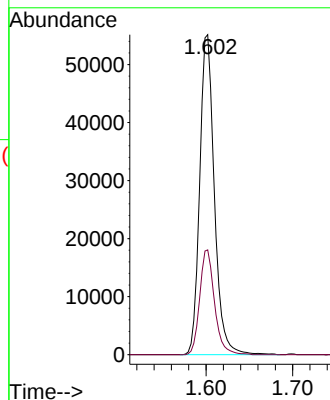
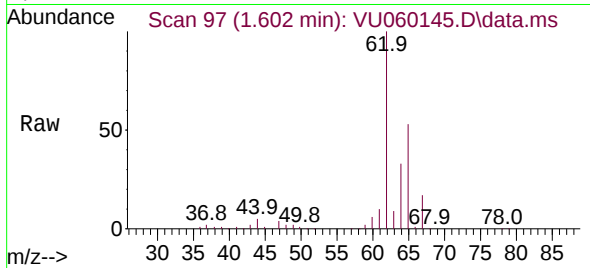




#5
 Vinyl chloride
 Concen: 3.889 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU060145.D
 Acq: 24 Jul 2024 04:49

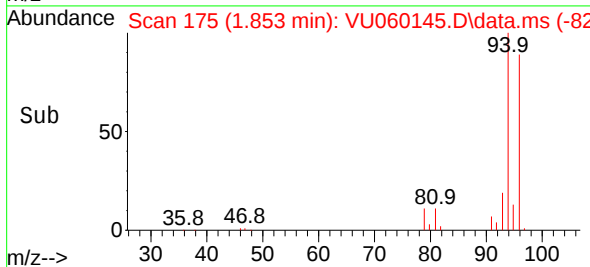
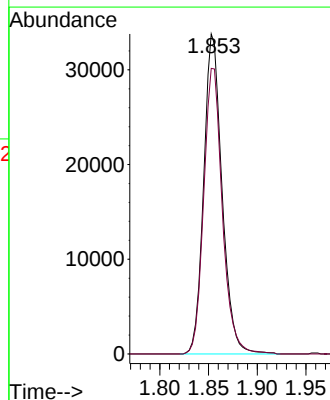
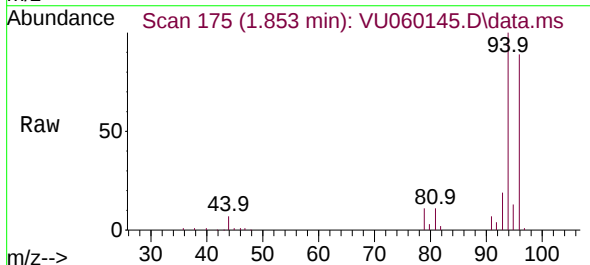
Instrument :
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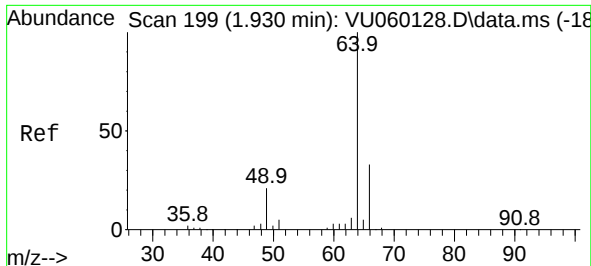
Tgt Ion: 62 Resp: 64840
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.8 42.4



#6
 Bromomethane
 Concen: 4.066 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU060145.D
 Acq: 24 Jul 2024 04:49

Tgt Ion: 94 Resp: 44138
 Ion Ratio Lower Upper
 94 100
 96 89.3 66.6 123.6

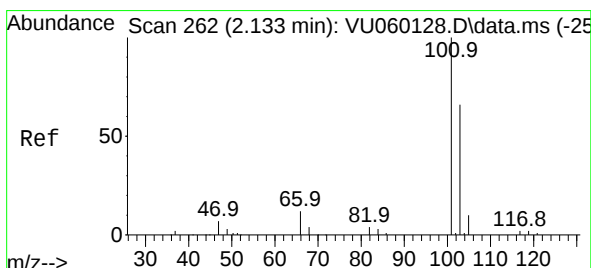
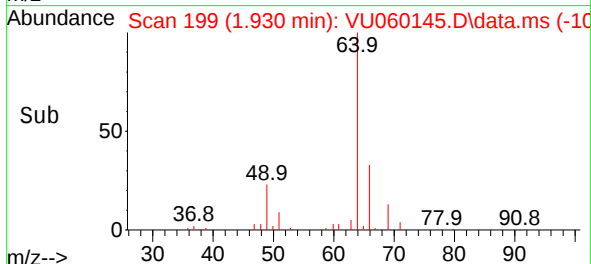
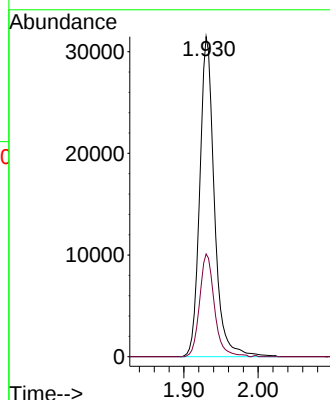
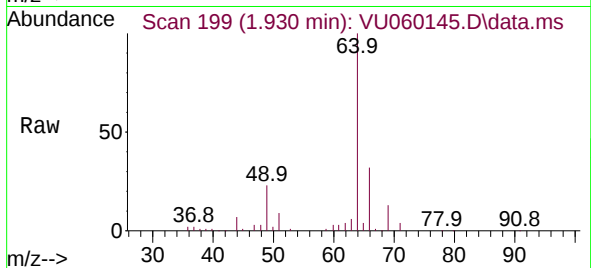




#8
Chloroethane
Concen: 3.967 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

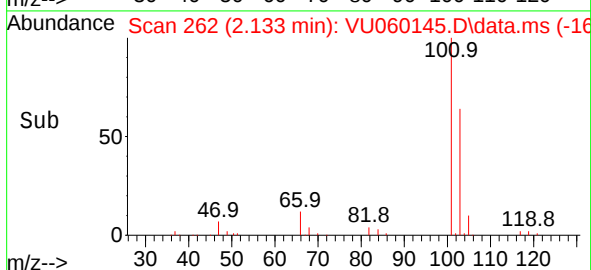
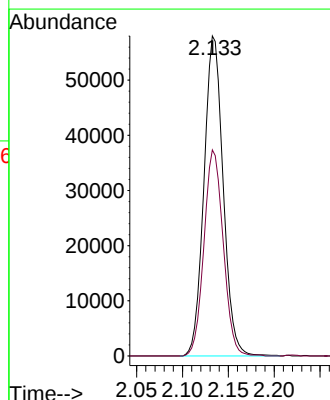
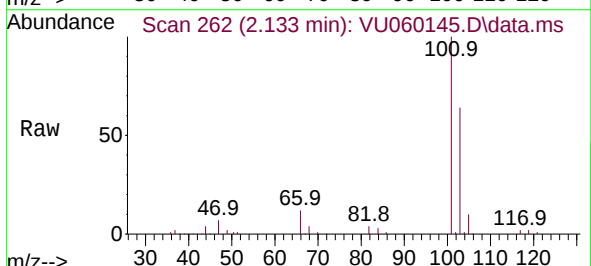
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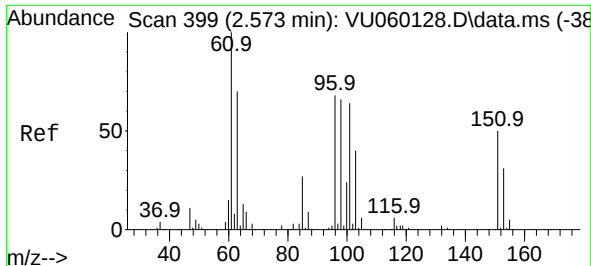
Tgt Ion: 64 Resp: 43207
Ion Ratio Lower Upper
64 100
66 32.1 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.022 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion:101 Resp: 84579
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2

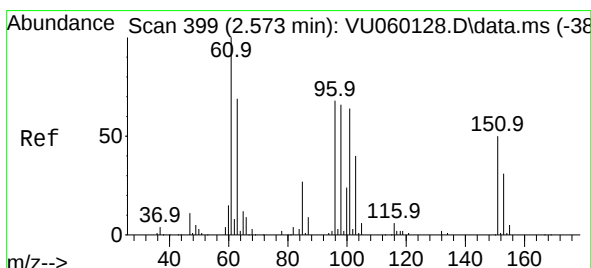
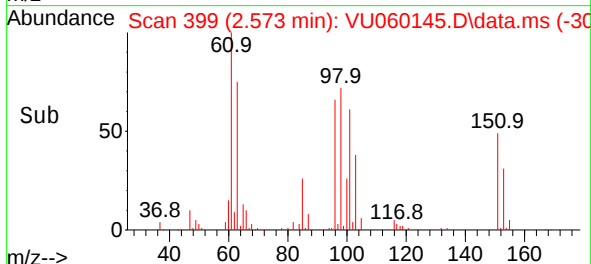
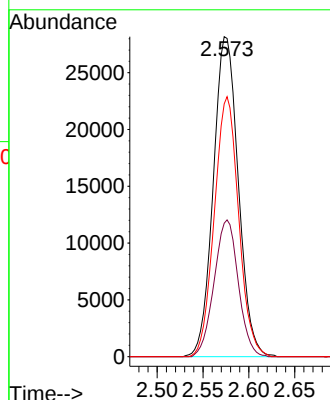
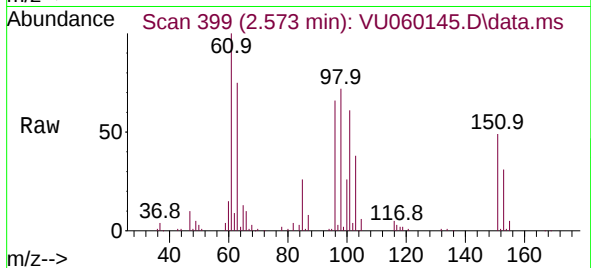




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.895 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

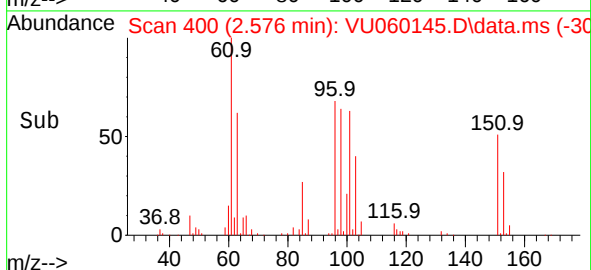
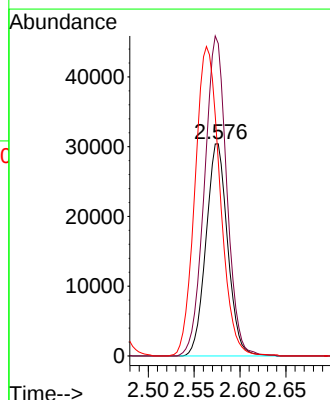
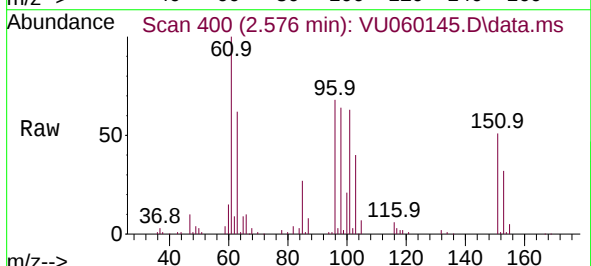
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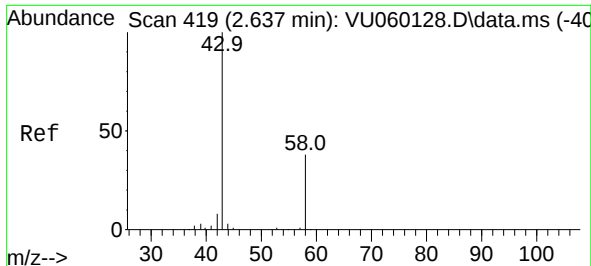
Tgt Ion:101 Resp: 53441
Ion Ratio Lower Upper
101 100
85 41.3 33.2 49.8
151 79.0 61.8 92.8



#12
1,1-Dichloroethene
Concen: 4.017 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion: 96 Resp: 49930
Ion Ratio Lower Upper
96 100
61 147.1 107.0 198.6
63 91.8 76.4 142.0





#13

Acetone

Concen: 60.443 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

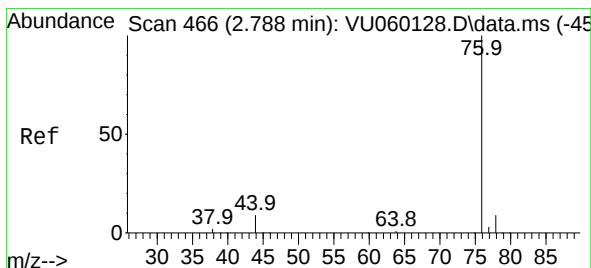
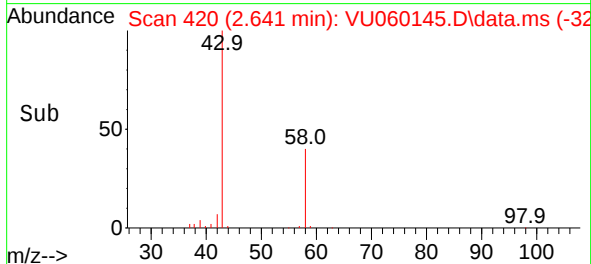
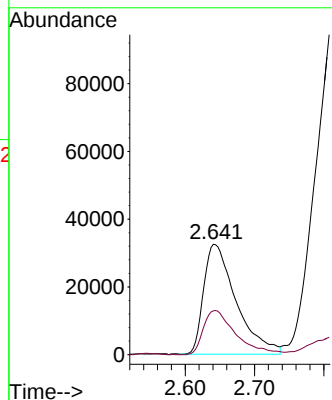
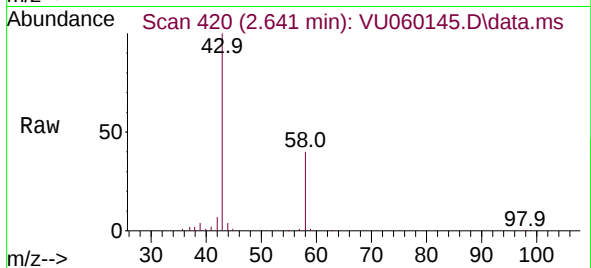
ClientSampleId :

Tgt Ion: 43 Resp: 105914

Ion Ratio Lower Upper

43 100

58 40.3 0.0 82.2



#14

Carbon disulfide

Concen: 3.776 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU060145.D

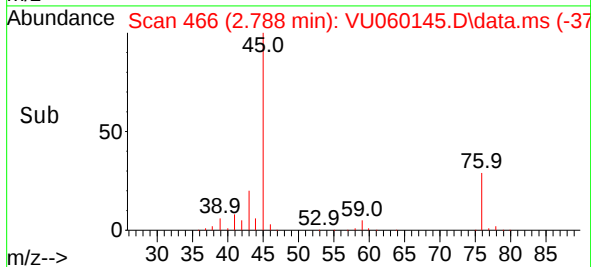
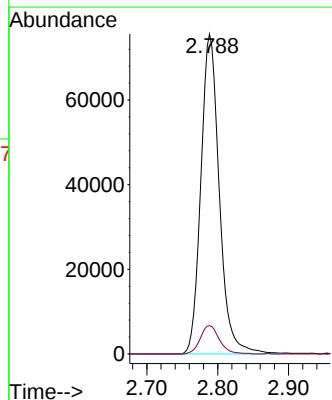
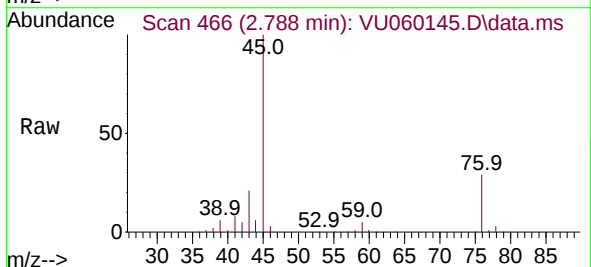
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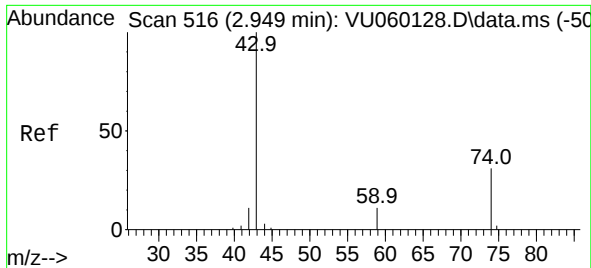
Tgt Ion: 76 Resp: 136649

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0





#15

Methyl Acetate

Concen: 290.330 ug/L

RT: 2.853 min Scan# 41

Delta R.T. -0.097 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

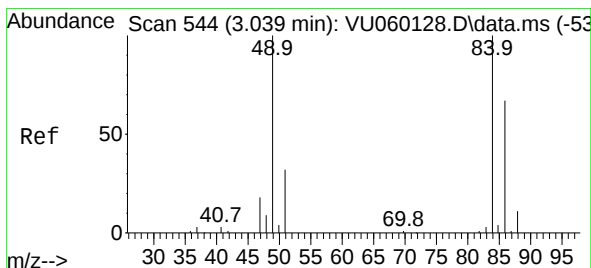
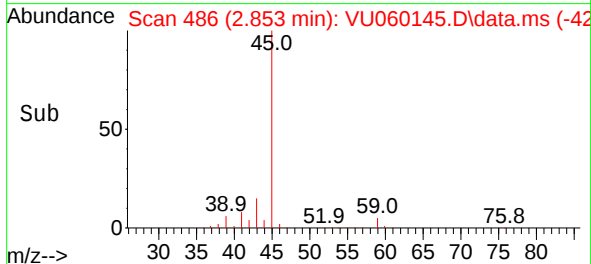
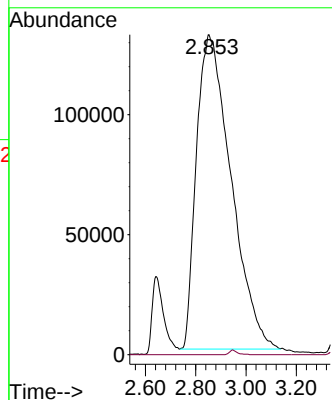
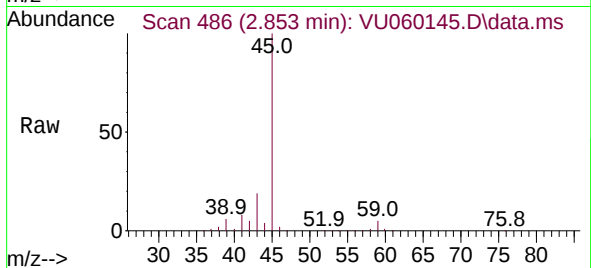
ClientSampleId :

Tgt Ion: 43 Resp: 1251263

Ion Ratio Lower Upper

43 100

74 0.3 23.5 35.3#



#16

Methylene chloride

Concen: 4.087 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

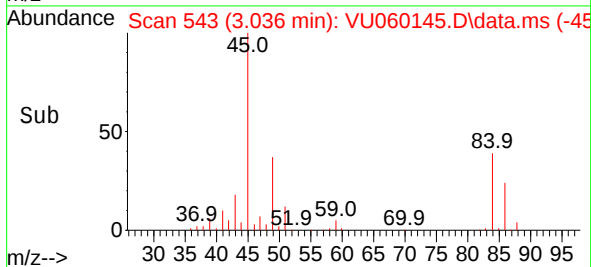
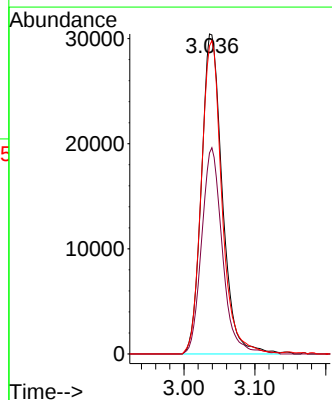
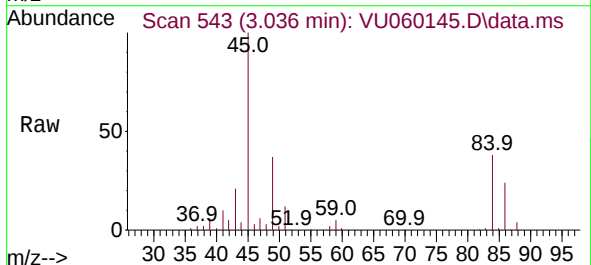
Tgt Ion: 84 Resp: 62288

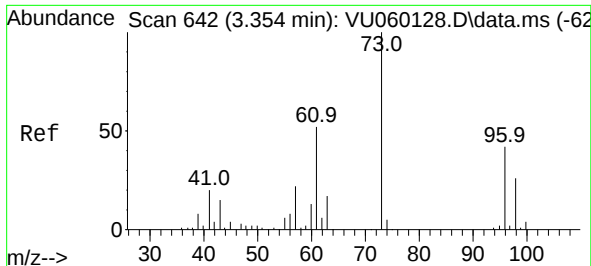
Ion Ratio Lower Upper

84 100

86 62.8 44.4 82.5

49 96.3 72.0 133.6





#17

Methyl tert-butyl Ether

Concen: 4.690 ug/L

RT: 3.358 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

ClientSampleId :

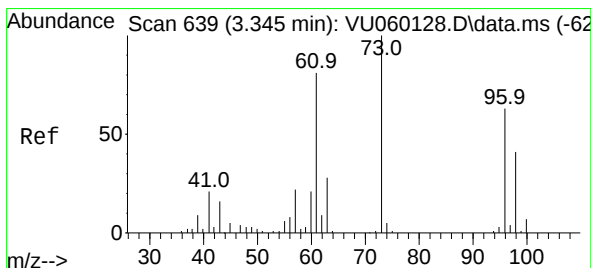
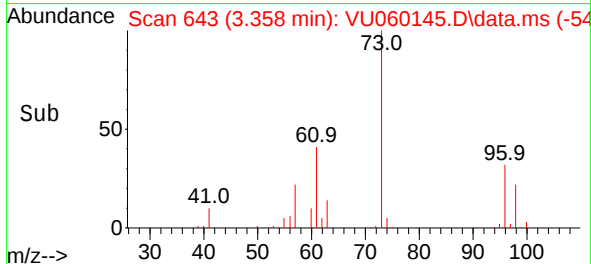
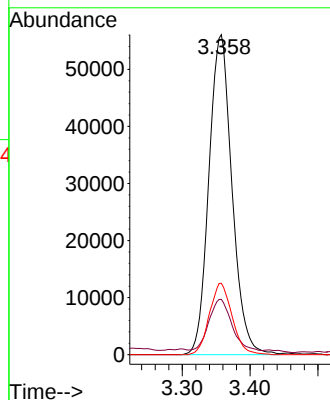
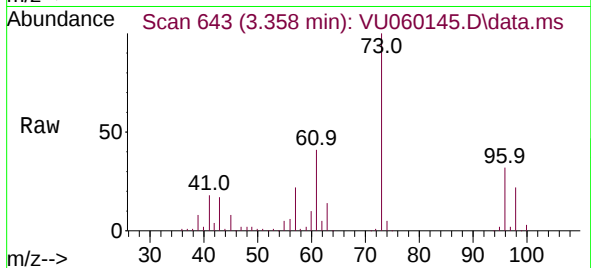
Tgt Ion: 73 Resp: 132950

Ion Ratio Lower Upper

73 100

43 16.1 13.1 19.7

57 21.9 17.0 25.4



#18

trans-1,2-Dichloroethene

Concen: 4.079 ug/L

RT: 3.345 min Scan# 639

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

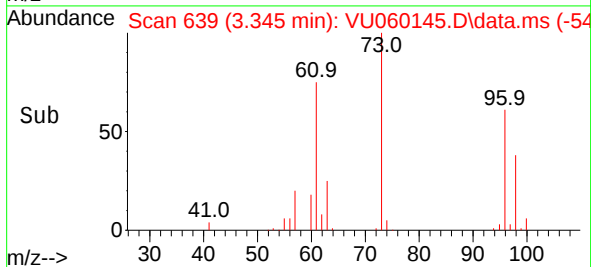
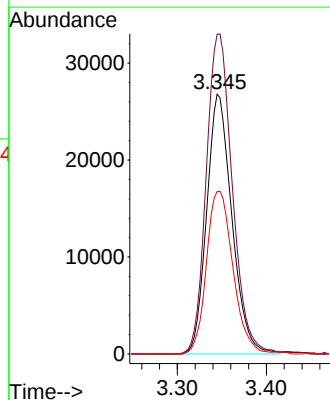
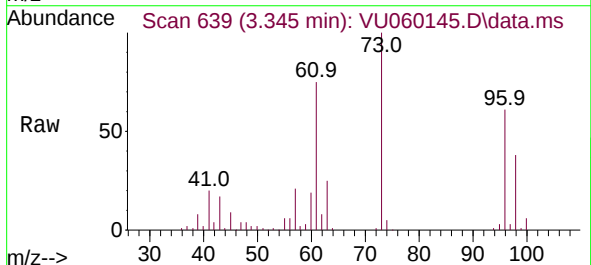
Tgt Ion: 96 Resp: 52736

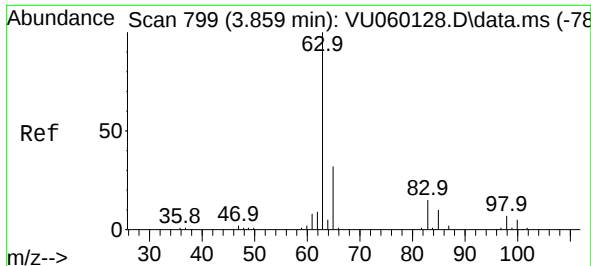
Ion Ratio Lower Upper

96 100

61 123.1 91.6 170.0

98 62.5 47.7 88.5

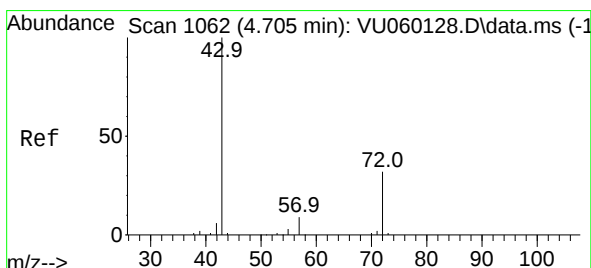
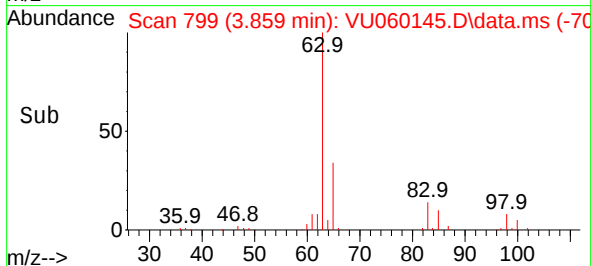
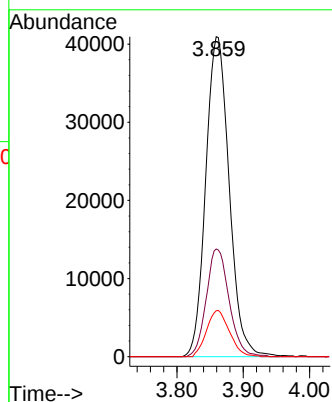
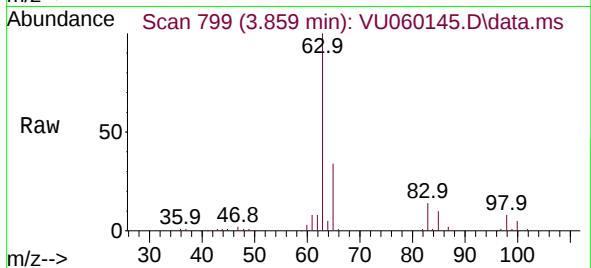




#19
1,1-Dichloroethane
Concen: 4.088 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

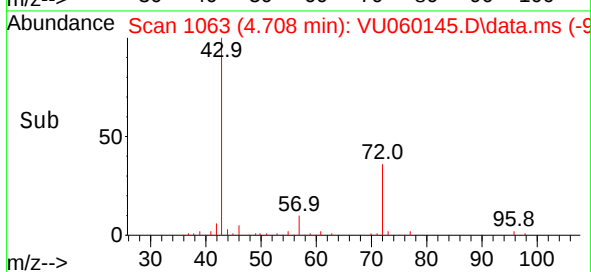
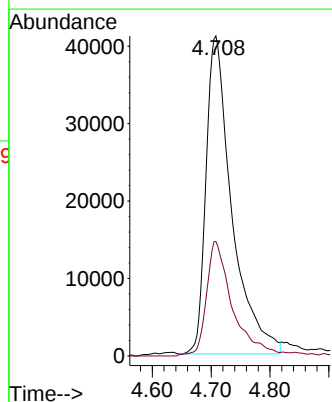
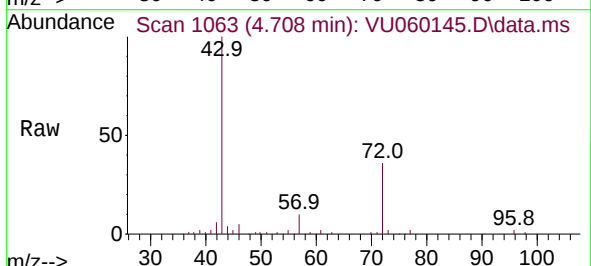
Instrument :
MSVOA_U
ClientSampleId :

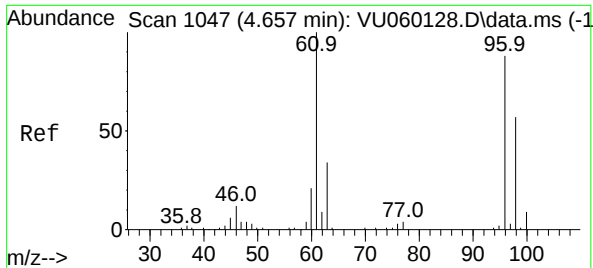
Tgt Ion: 63 Resp: 100377
Ion Ratio Lower Upper
63 100
65 33.7 22.0 40.8
83 14.3 9.7 17.9



#21
2-Butanone
Concen: 45.154 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.003 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion: 43 Resp: 125253
Ion Ratio Lower Upper
43 100
72 36.0 16.3 48.9

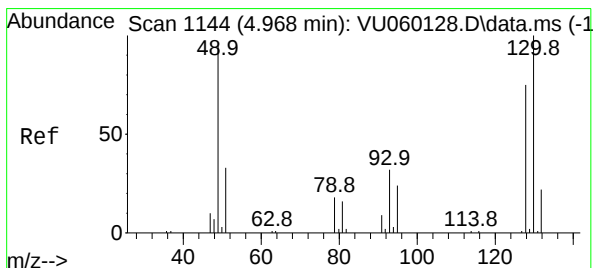
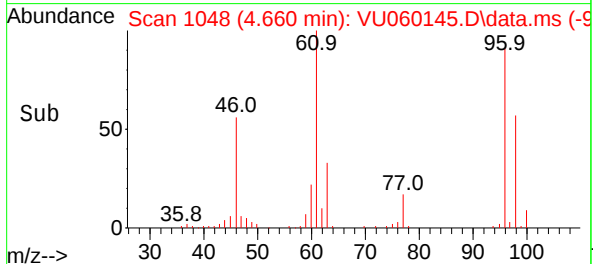
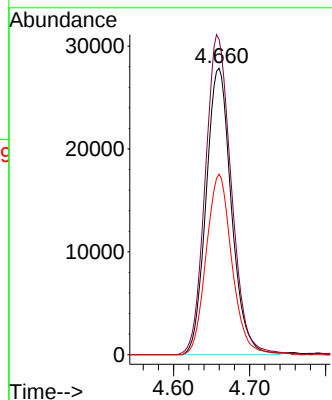
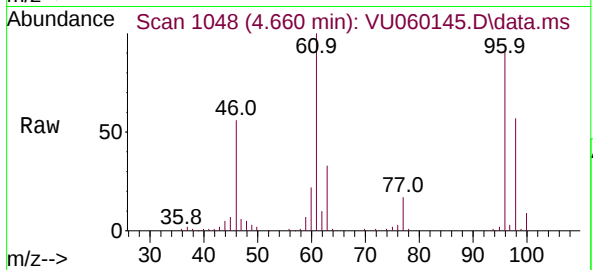




#22
cis-1,2-Dichloroethene
Concen: 4.443 ug/L
RT: 4.660 min Scan# 1047
Delta R.T. 0.003 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

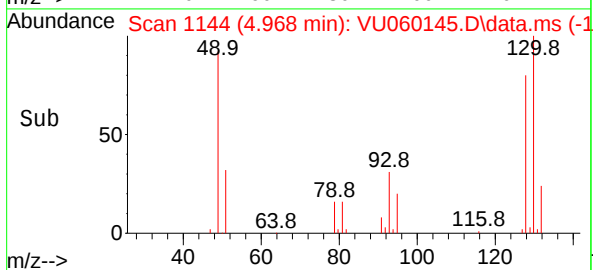
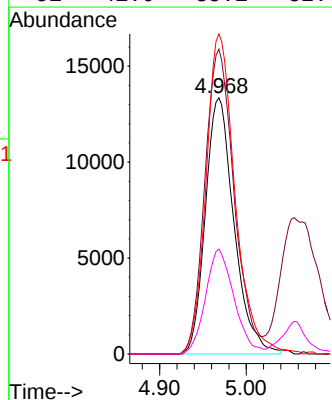
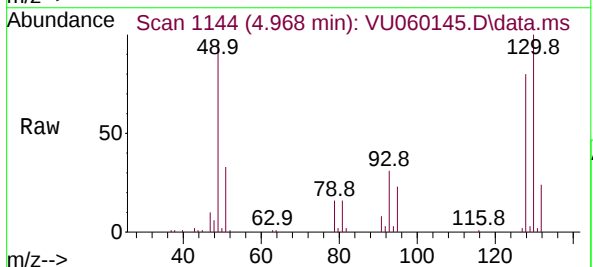
Instrument :
MSVOA_U
ClientSampleId :

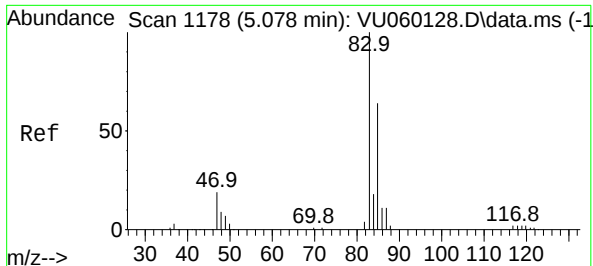
Tgt Ion: 96 Resp: 64340
Ion Ratio Lower Upper
96 100
61 110.1 80.2 148.9
98 63.0 44.7 83.1



#23
Bromochloromethane
Concen: 4.358 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion:128 Resp: 30671
Ion Ratio Lower Upper
128 100
49 119.0 92.3 171.3
130 124.9 87.1 161.7
51 41.0 35.1 52.7





#25

Chloroform

Concen: 4.229 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

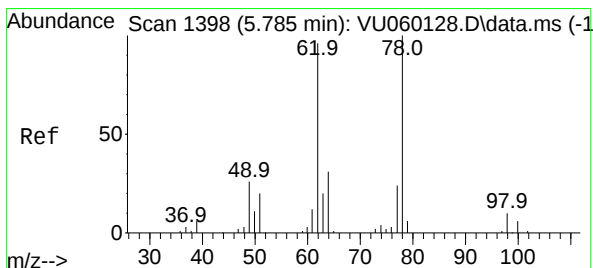
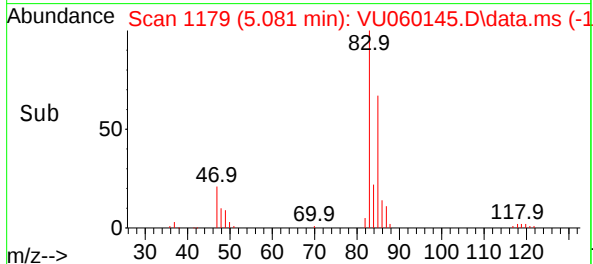
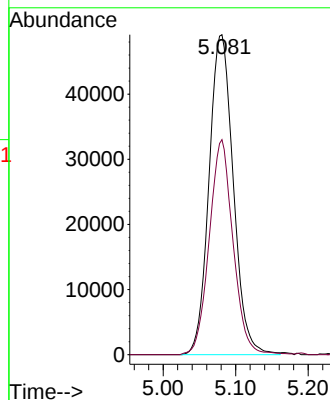
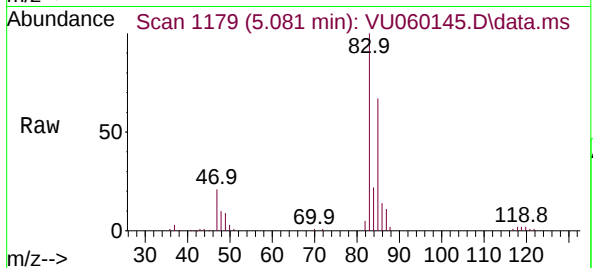
ClientSampleId :

Tgt Ion: 83 Resp: 114181

Ion Ratio Lower Upper

83 100

85 67.2 45.4 84.2



#27

1,2-Dichloroethane

Concen: 4.125 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU060145.D

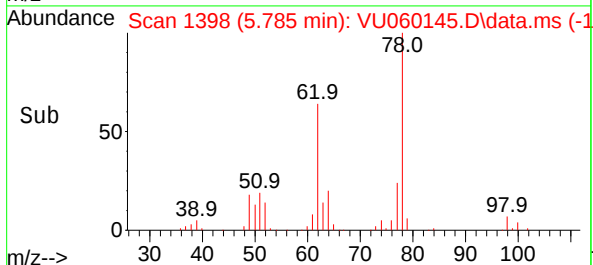
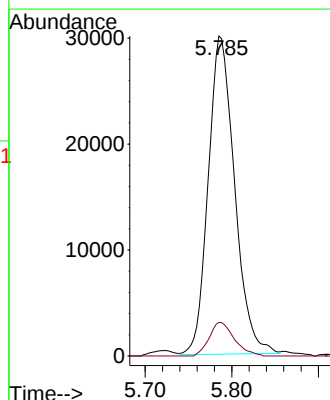
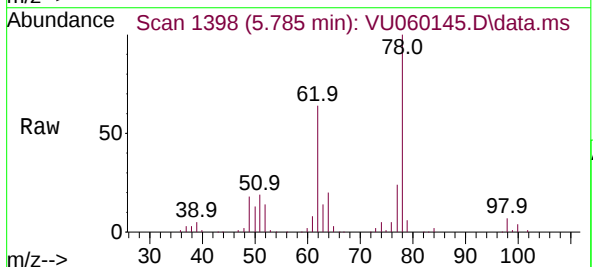
Acq: 24 Jul 2024 04:49

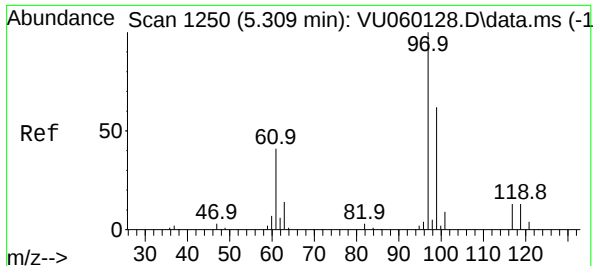
Tgt Ion: 62 Resp: 63658

Ion Ratio Lower Upper

62 100

98 10.5 7.9 11.9

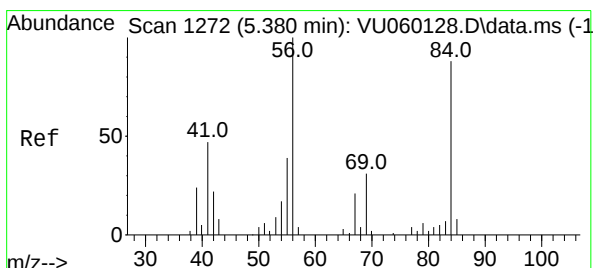
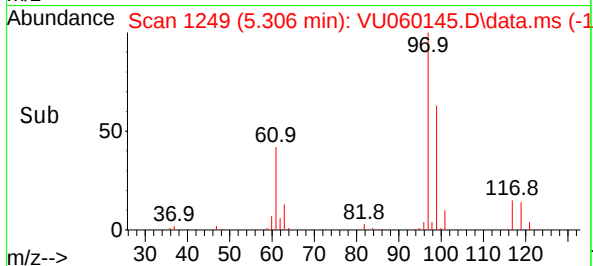
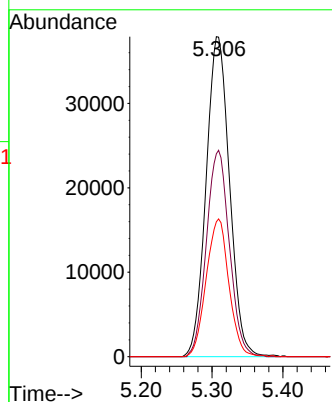
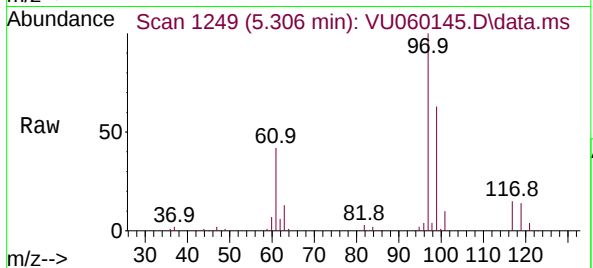




#29
1,1,1-Trichloroethane
Concen: 4.179 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

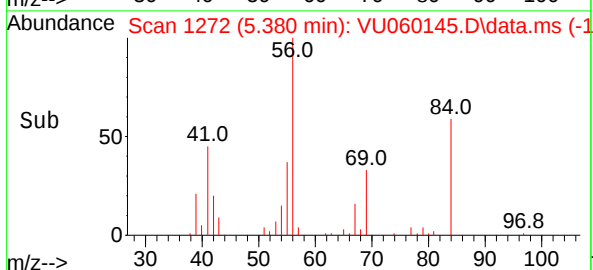
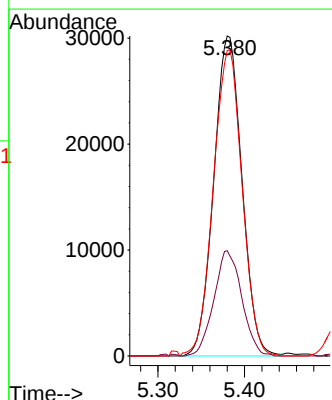
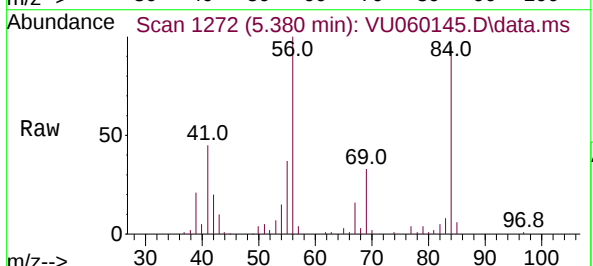
Instrument :
MSVOA_U
ClientSampleId :

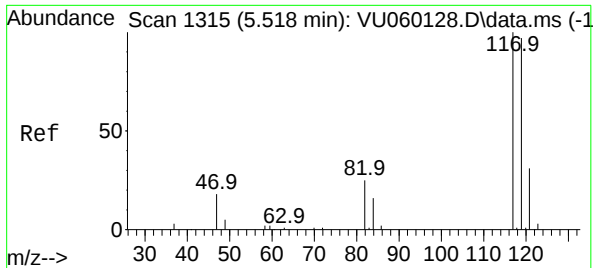
Tgt Ion: 97	Resp: 87043
Ion Ratio	Lower Upper
97	100
99	63.3 51.0 76.4
61	41.8 34.1 51.1



#30
Cyclohexane
Concen: 4.149 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion: 56	Resp: 68347
Ion Ratio	Lower Upper
56	100
69	32.5 26.6 39.8
84	97.4 77.2 115.8

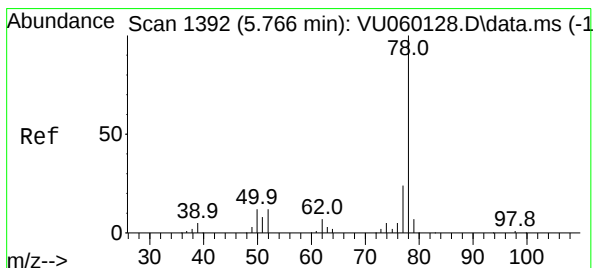
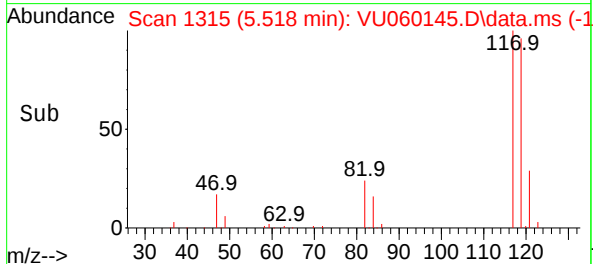
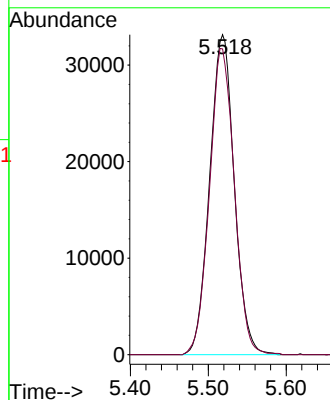
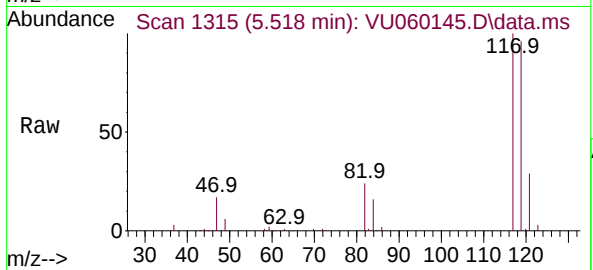




#31
Carbon tetrachloride
Concen: 4.052 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

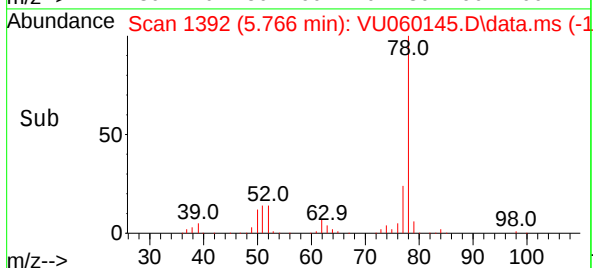
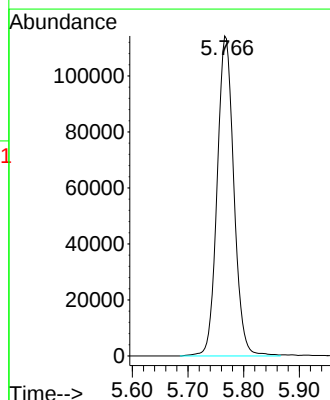
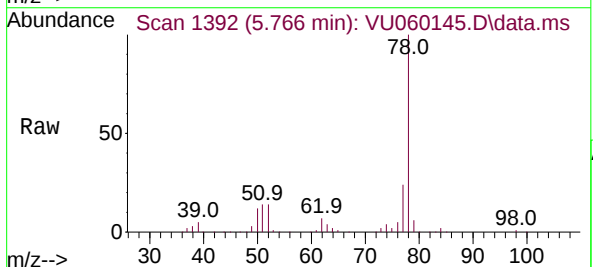
Instrument :
MSVOA_U
ClientSampleId :

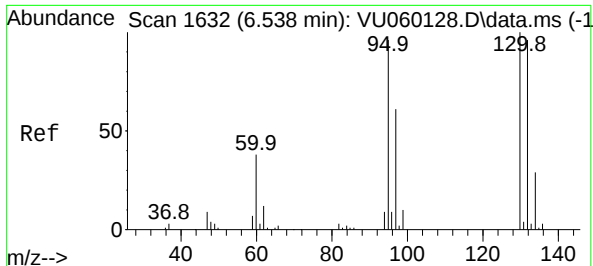
Tgt Ion:117 Resp: 72798
Ion Ratio Lower Upper
117 100
119 96.6 75.6 113.4



#33
Benzene
Concen: 4.330 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion: 78 Resp: 238480

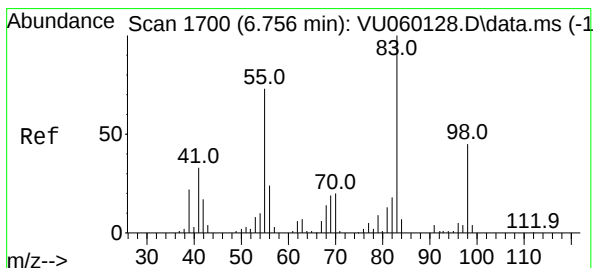
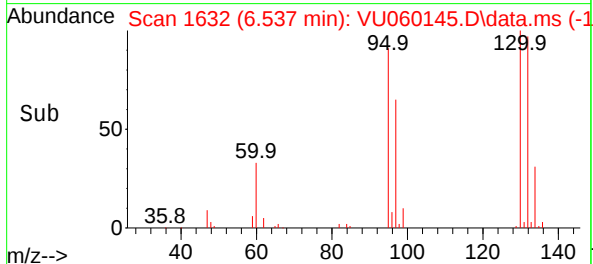
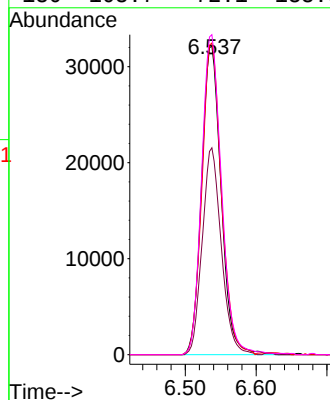
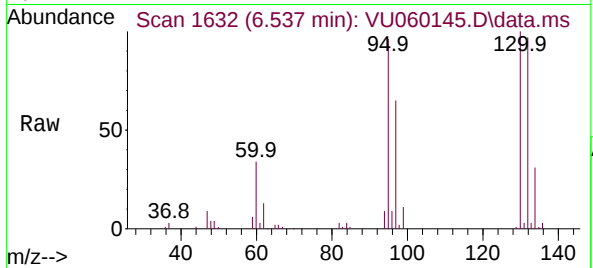




#34
Trichloroethene
Concen: 4.208 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

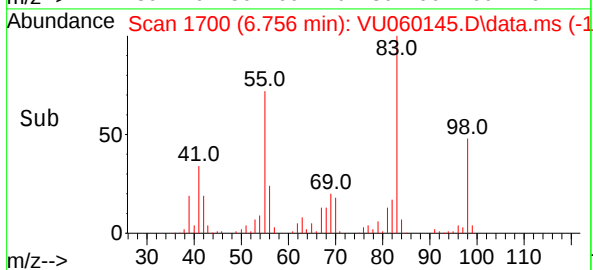
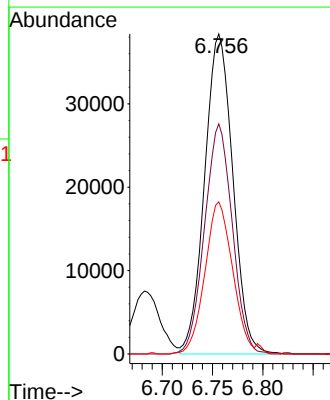
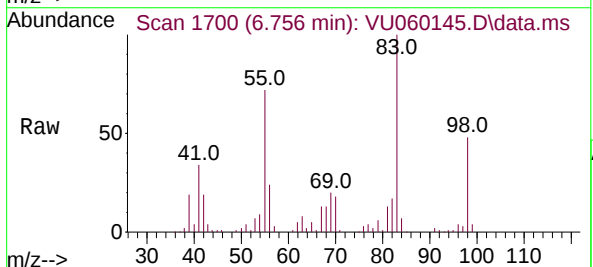
Instrument :
MSVOA_U
ClientSampleId :

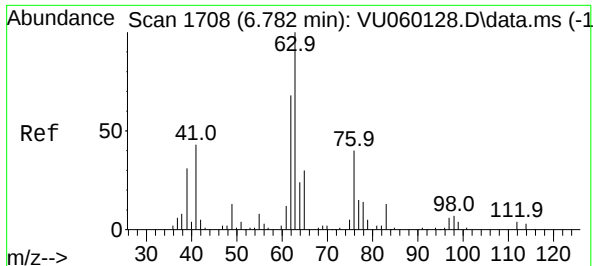
Tgt Ion: 95 Resp: 61470
Ion Ratio Lower Upper
95 100
97 67.1 45.9 85.3
132 101.0 71.4 132.6
130 103.7 72.1 133.9



#35
Methylcyclohexane
Concen: 3.913 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion: 83 Resp: 74941
Ion Ratio Lower Upper
83 100
55 70.8 56.7 85.1
98 46.5 36.6 55.0

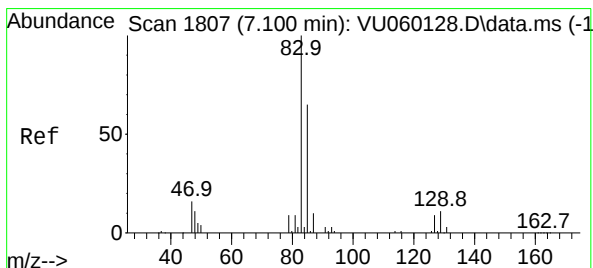
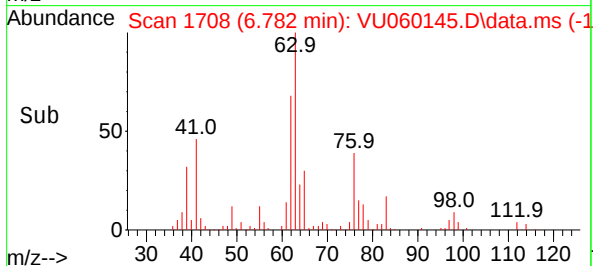
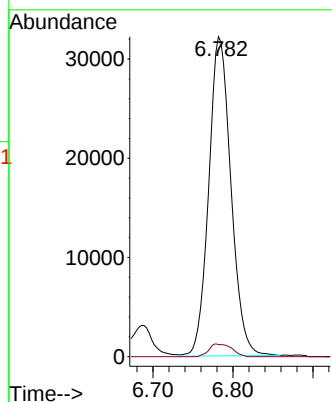
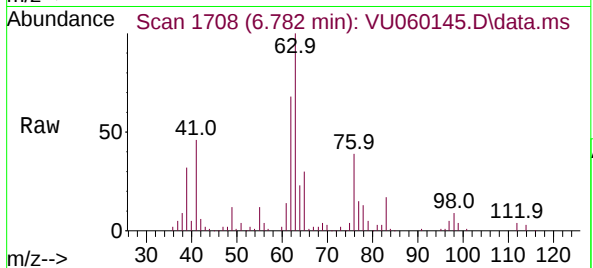




#37
1,2-Dichloropropane
Concen: 4.180 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

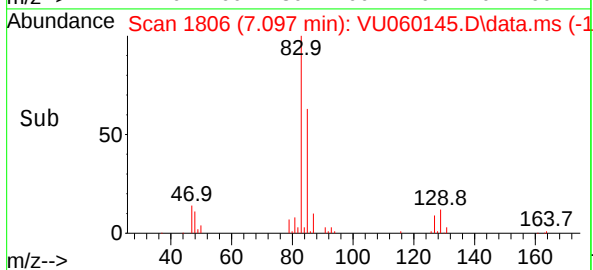
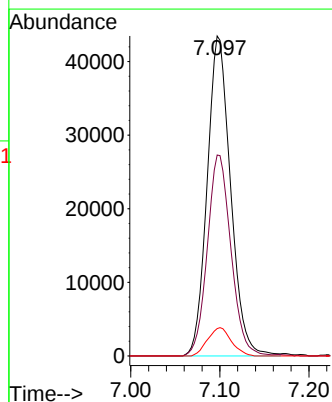
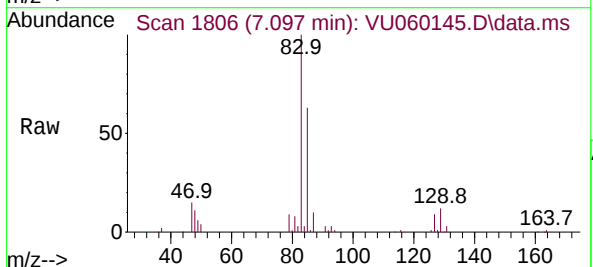
Instrument :
MSVOA_U
ClientSampleId :

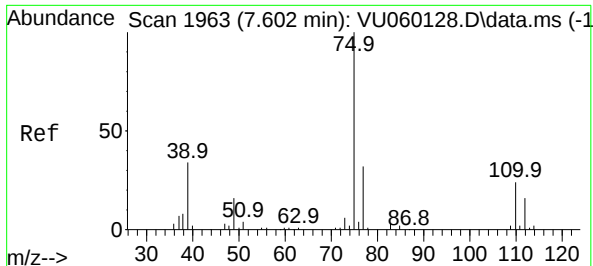
Tgt Ion: 63 Resp: 62196
Ion Ratio Lower Upper
63 100
112 4.1 3.3 4.9



#38
Bromodichloromethane
Concen: 4.259 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion: 83 Resp: 79396
Ion Ratio Lower Upper
83 100
85 62.8 43.5 80.7
127 8.6 7.1 10.7

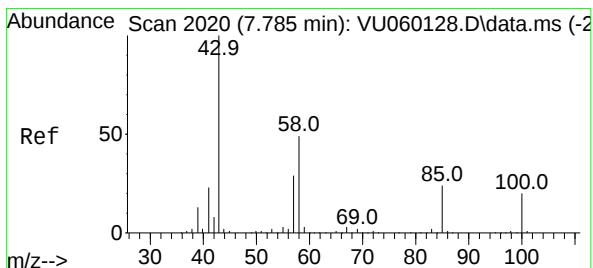
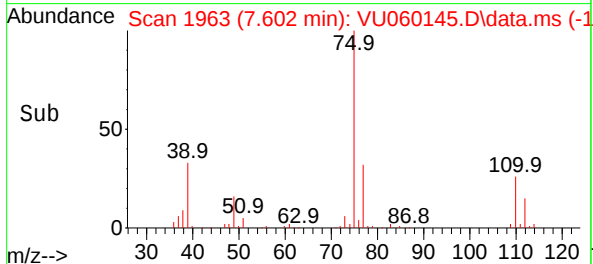
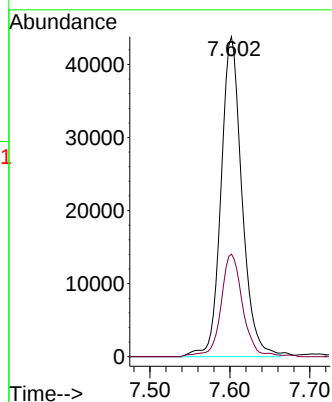
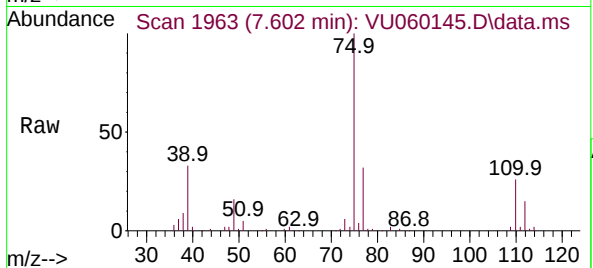




#39
 cis-1,3-Dichloropropene
 Concen: 4.092 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU060145.D
 Acq: 24 Jul 2024 04:49

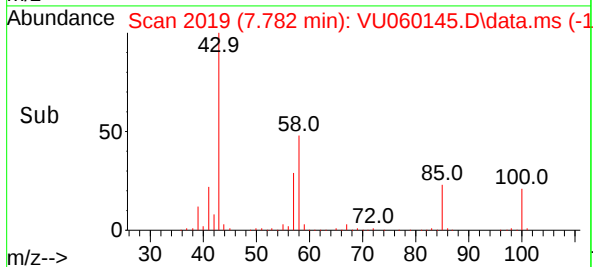
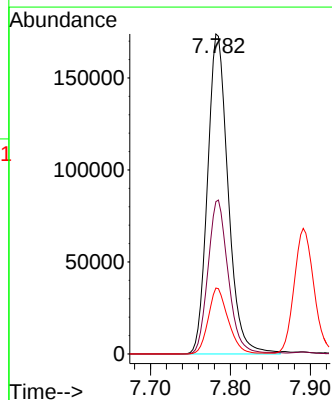
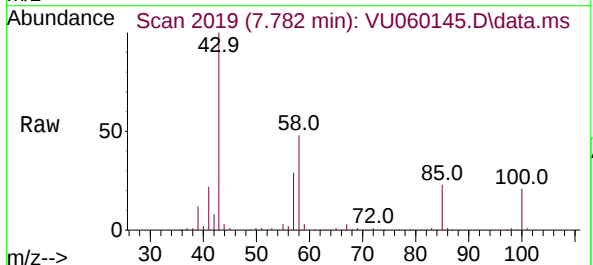
Instrument :
 MSVOA_U
 ClientSampleId :

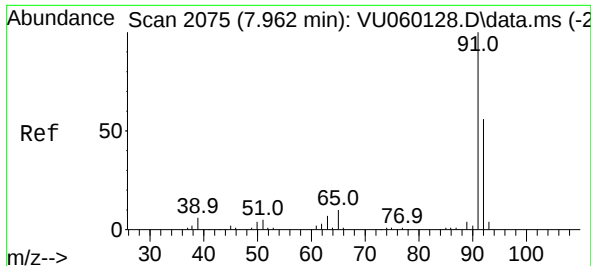
Tgt Ion: 75 Resp: 79566
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 47.240 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.003 min
 Lab File: VU060145.D
 Acq: 24 Jul 2024 04:49

Tgt Ion: 43 Resp: 311067
 Ion Ratio Lower Upper
 43 100
 58 47.6 36.0 54.0
 100 20.0 14.9 22.3





#42

Toluene

Concen: 7.859 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

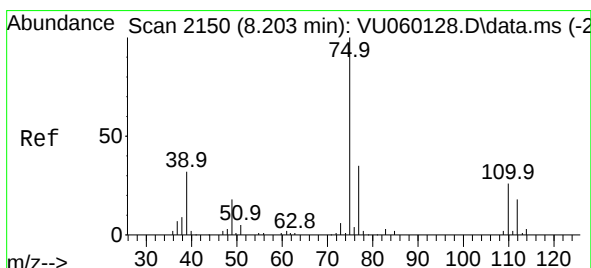
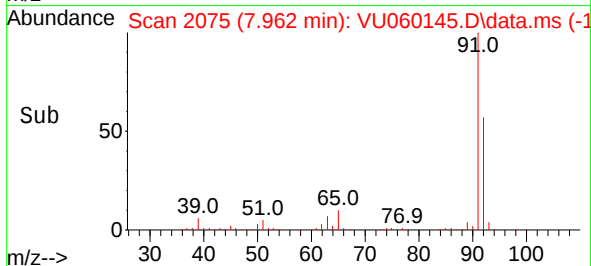
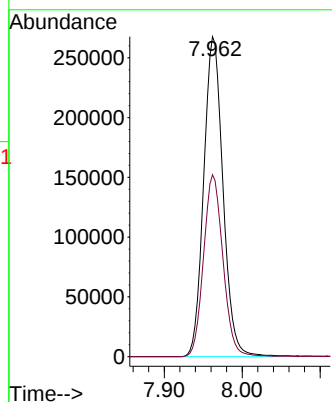
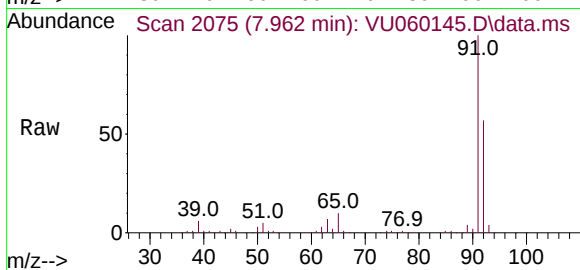
ClientSampleId :

Tgt Ion: 91 Resp: 460682

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 4.101 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU060145.D

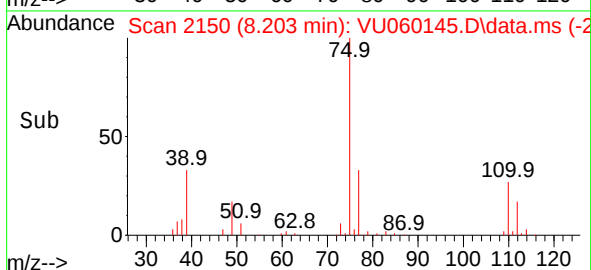
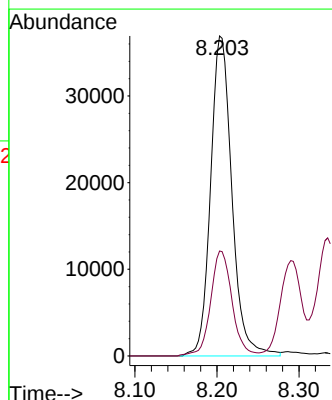
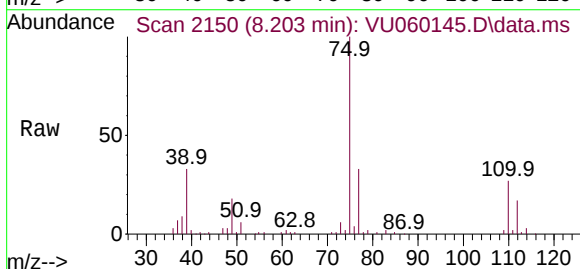
Acq: 24 Jul 2024 04:49

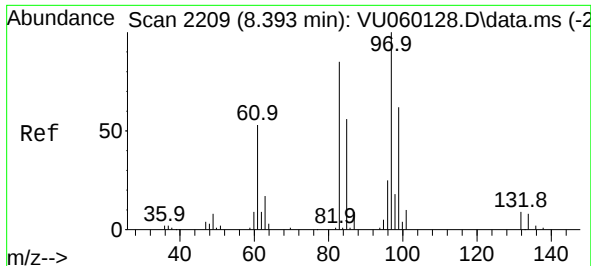
Tgt Ion: 75 Resp: 66617

Ion Ratio Lower Upper

75 100

77 32.8 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 4.478 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 50919

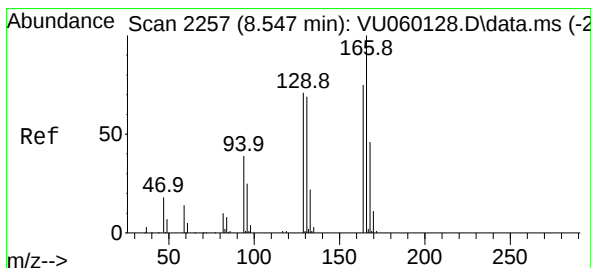
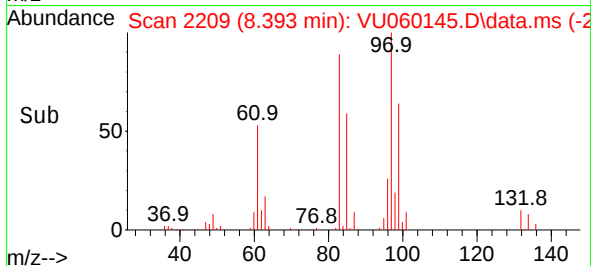
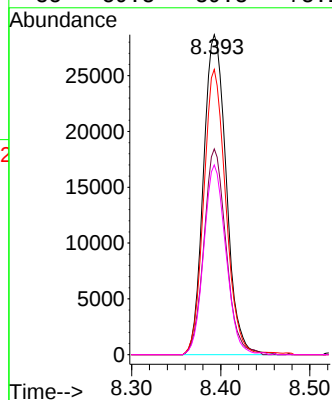
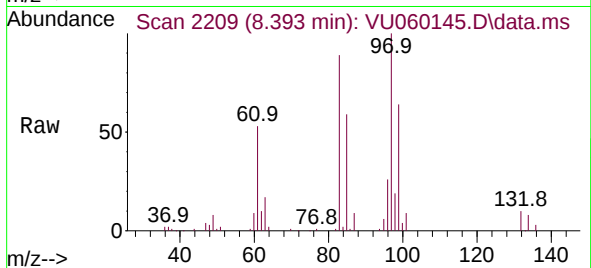
Ion Ratio Lower Upper

97 100

99 64.3 43.8 81.4

83 89.1 62.1 115.3

85 59.3 39.3 73.1



#47

Tetrachloroethene

Concen: 4.145 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Tgt Ion:164 Resp: 50072

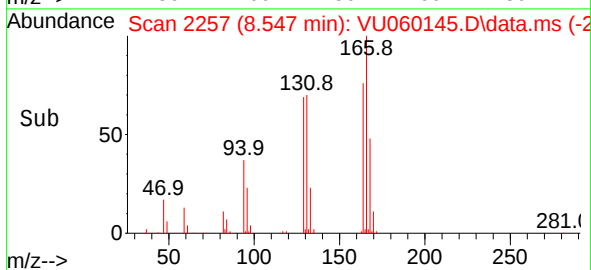
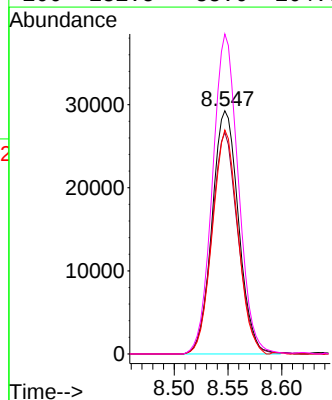
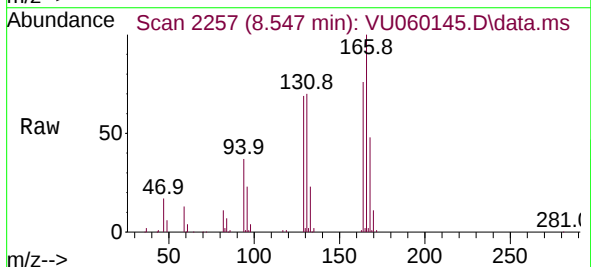
Ion Ratio Lower Upper

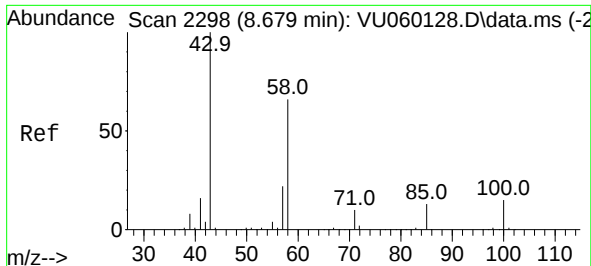
164 100

129 91.1 64.6 120.0

131 92.1 61.2 113.8

166 131.5 88.6 164.6

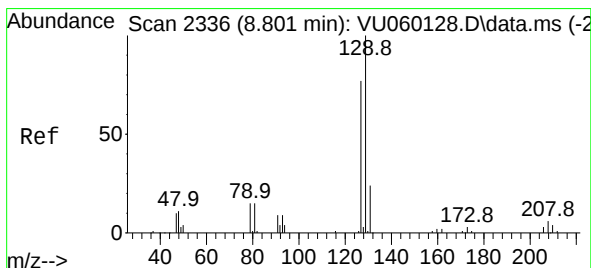
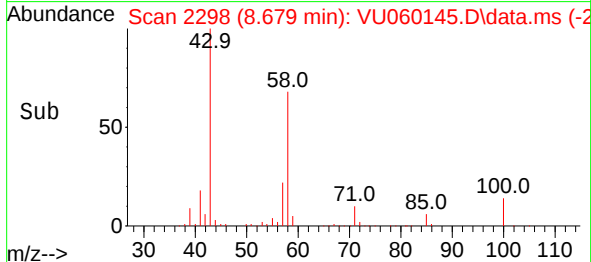
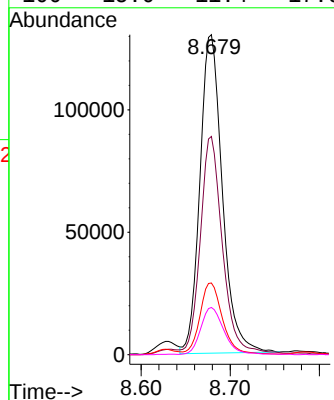
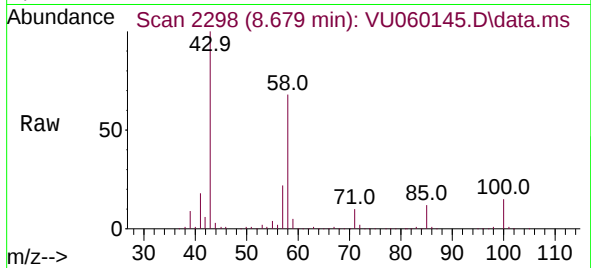




#48
2-Hexanone
Concen: 47.272 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

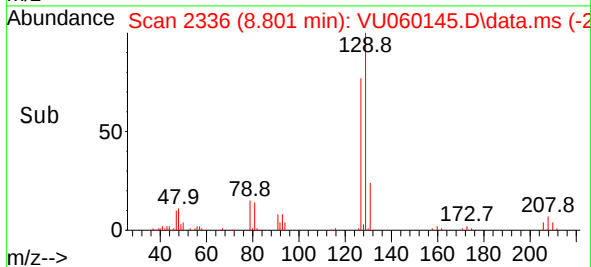
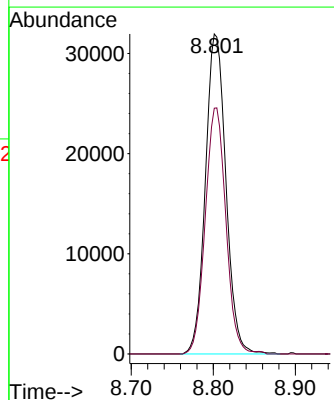
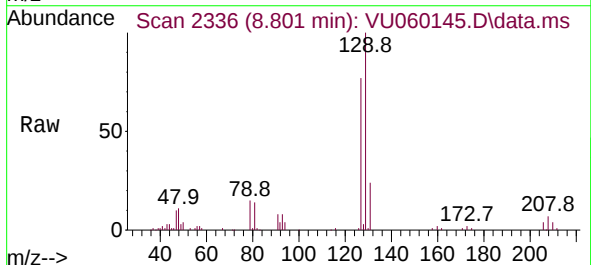
Instrument :
MSVOA_U
ClientSampleId :

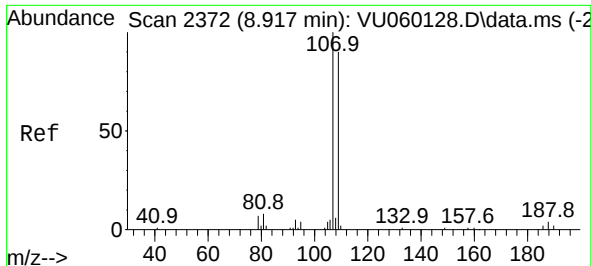
Tgt Ion: 43	Resp: 227910
Ion Ratio	Lower Upper
43 100	
58 67.2	52.6 78.8
57 22.9	17.8 26.8
100 15.0	11.4 17.0



#49
Dibromochloromethane
Concen: 4.410 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion:129	Resp: 55473		
Ion Ratio	Lower	Upper	
129 100			
127 76.8	54.6	101.4	

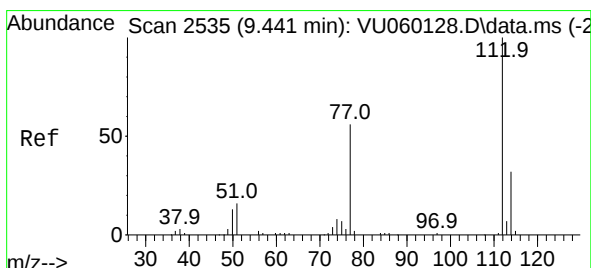
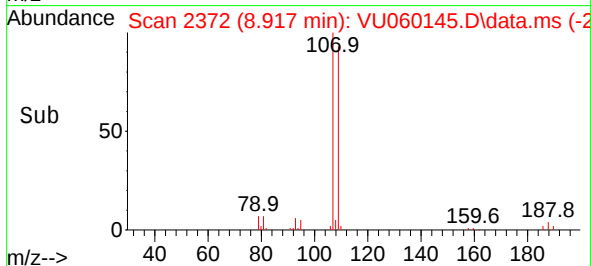
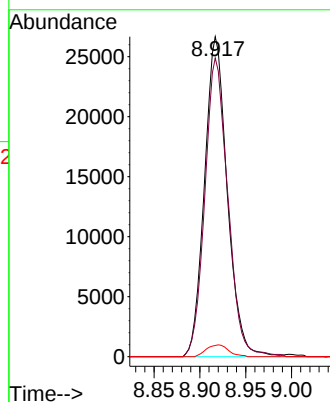
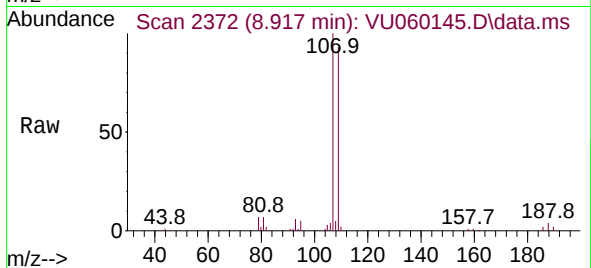




#50
1,2-Dibromoethane
Concen: 4.478 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

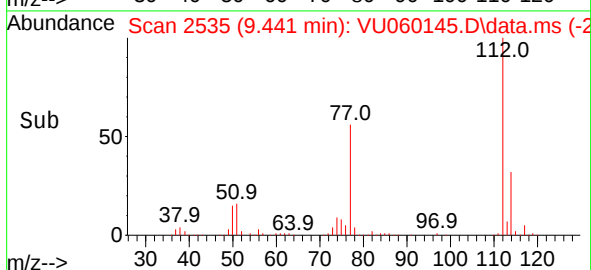
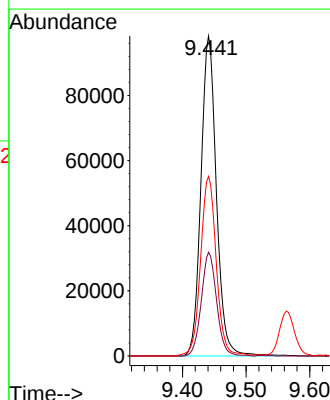
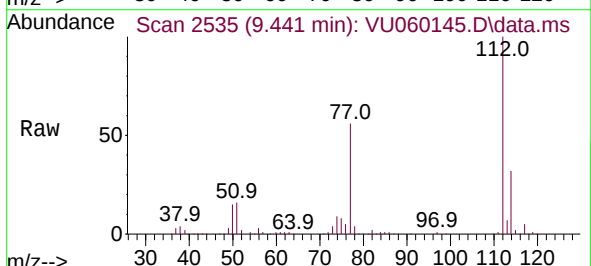
Instrument :
MSVOA_U
ClientSampleId :

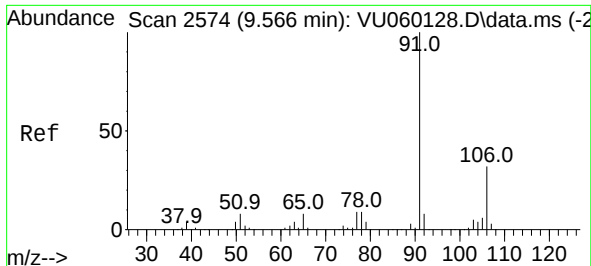
Tgt Ion:	107	Resp:	46036
Ion Ratio	Lower	Upper	
107	100		
109	93.4	64.0	118.8
188	3.5	3.0	4.6



#51
Chlorobenzene
Concen: 4.329 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion:	112	Resp:	165793
Ion Ratio	Lower	Upper	
112	100		
114	32.4	22.1	41.1
77	56.1	44.7	67.1





#52

Ethylbenzene

Concen: 4.406 ug/L

RT: 9.563 min Scan# 2575

Delta R.T. -0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

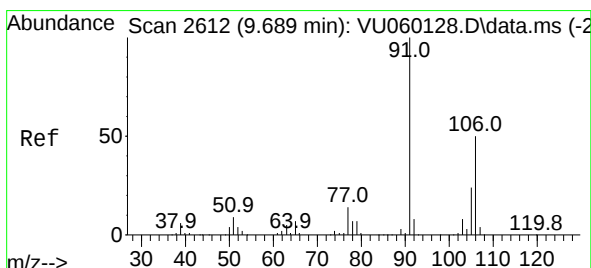
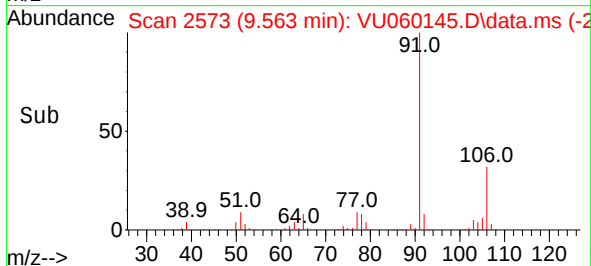
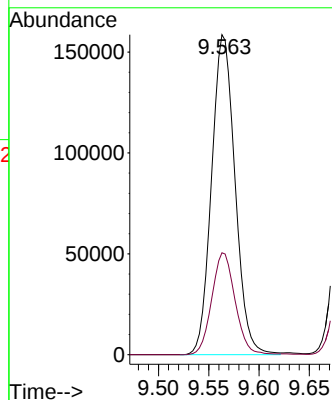
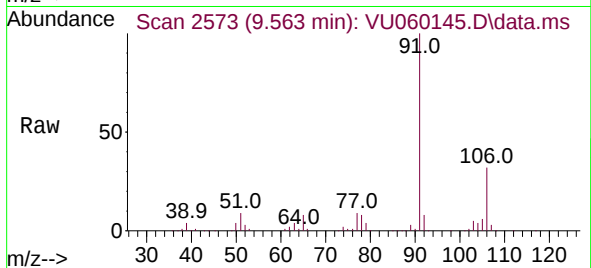
ClientSampleId :

Tgt Ion: 91 Resp: 257557

Ion Ratio Lower Upper

91 100

106 31.9 21.9 40.7



#53

m,p-Xylene

Concen: 4.573 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU060145.D

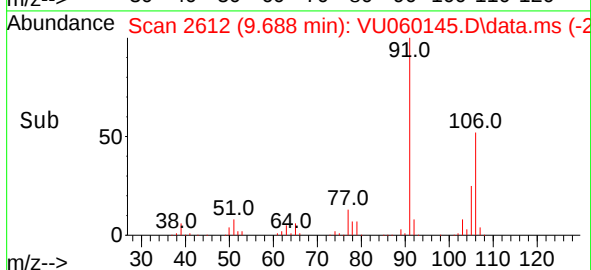
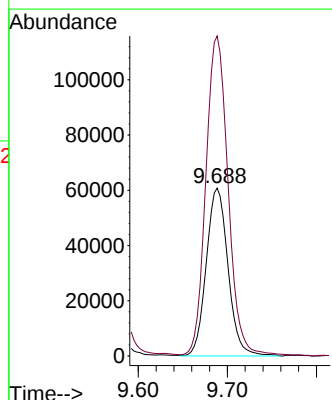
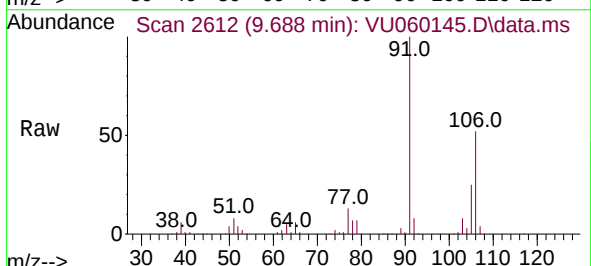
Acq: 24 Jul 2024 04:49

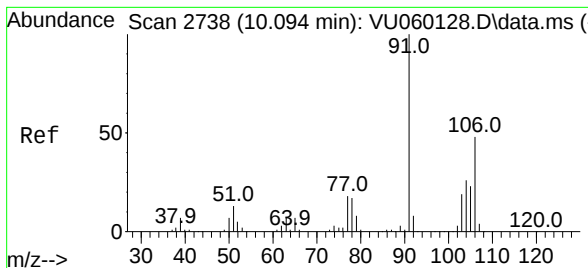
Tgt Ion:106 Resp: 103274

Ion Ratio Lower Upper

106 100

91 190.6 141.3 262.5





#54

o-Xylene

Concen: 4.611 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

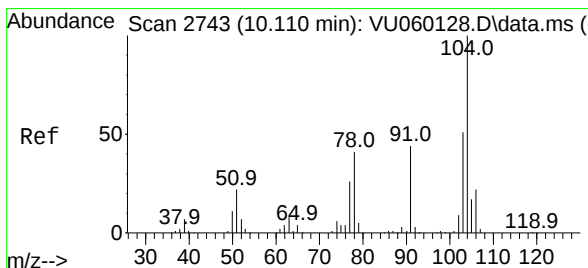
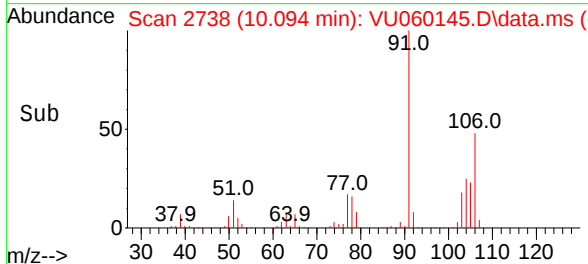
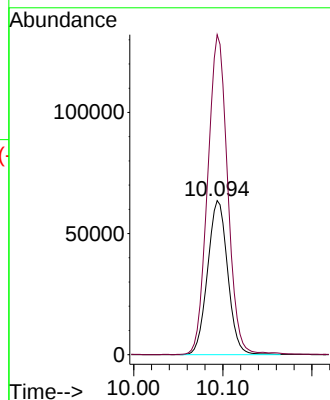
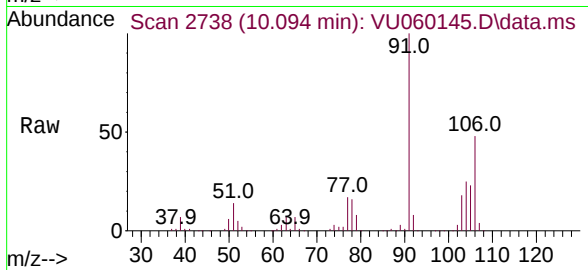
ClientSampleId :

Tgt Ion:106 Resp: 99583

Ion Ratio Lower Upper

106 100

91 207.6 143.6 266.6



#55

Styrene

Concen: 4.326 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU060145.D

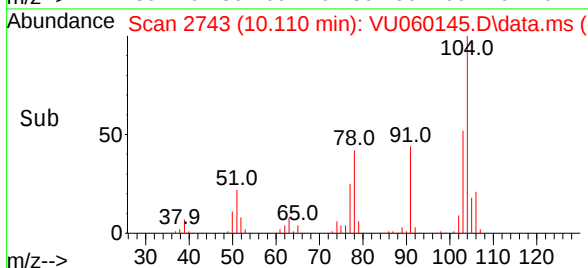
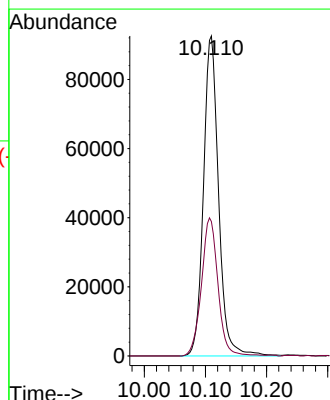
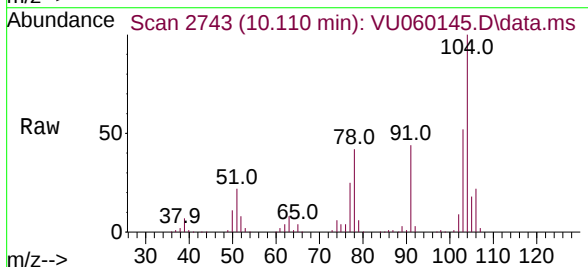
Acq: 24 Jul 2024 04:49

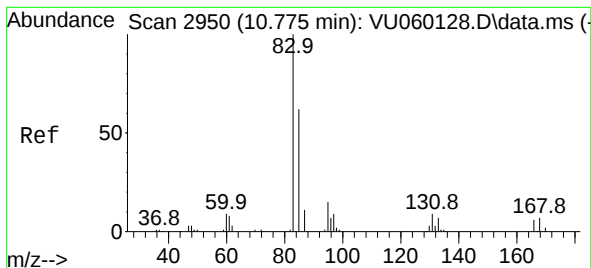
Tgt Ion:104 Resp: 159014

Ion Ratio Lower Upper

104 100

78 42.0 31.4 58.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.493 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

ClientSampleId :

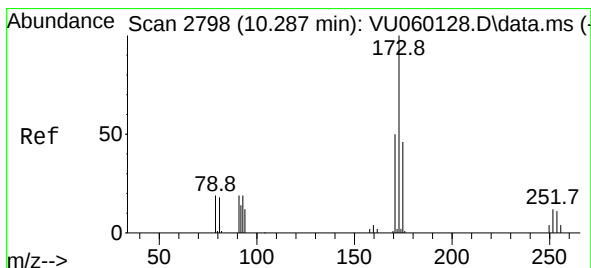
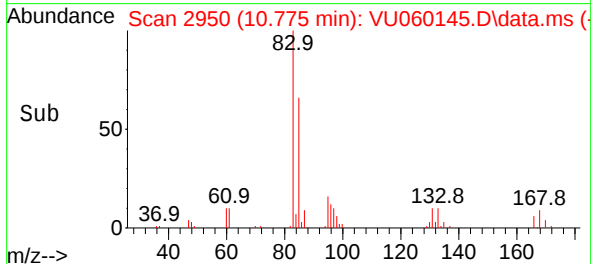
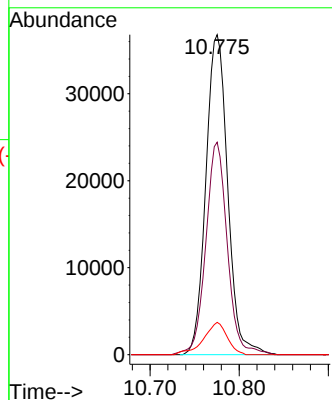
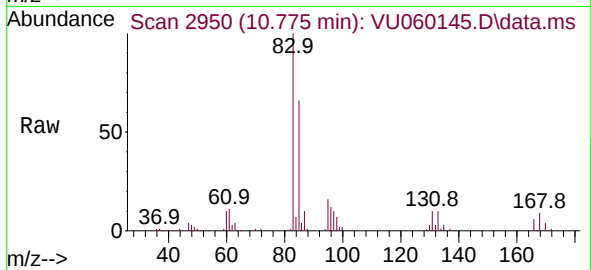
Tgt Ion: 83 Resp: 62493

Ion Ratio Lower Upper

83 100

85 66.4 46.8 87.0

131 10.1 7.8 11.6



#59

Bromoform

Concen: 4.620 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

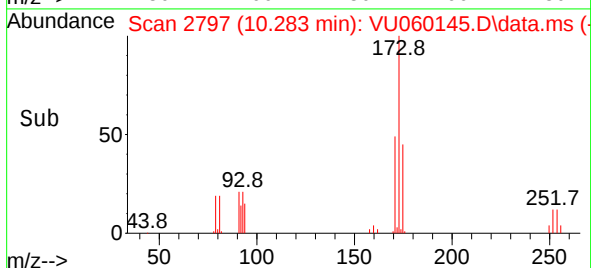
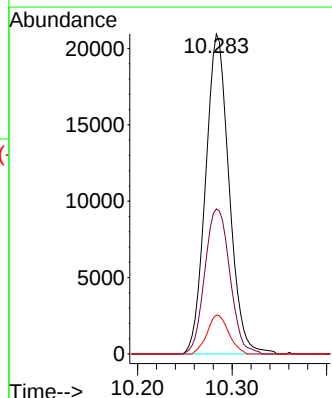
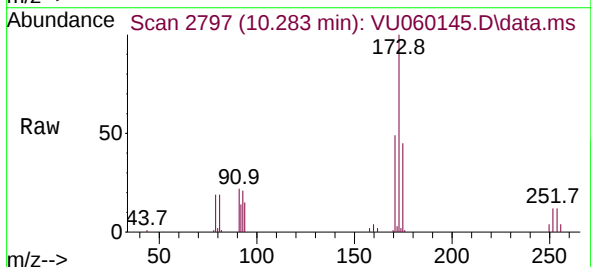
Tgt Ion:173 Resp: 36200

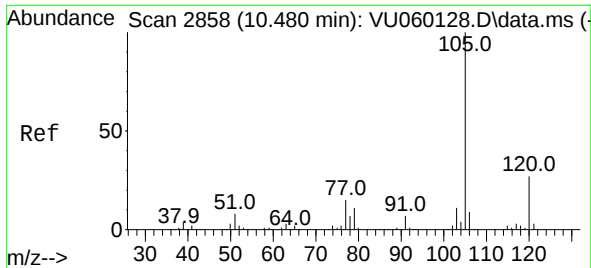
Ion Ratio Lower Upper

173 100

175 48.3 38.7 58.1

254 11.2 9.0 13.4

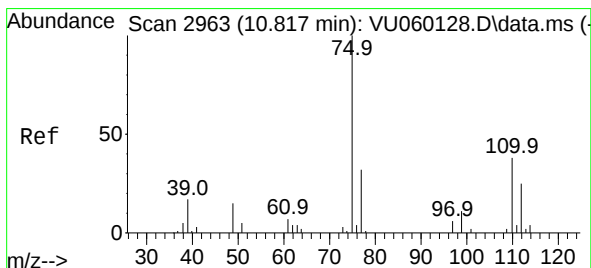
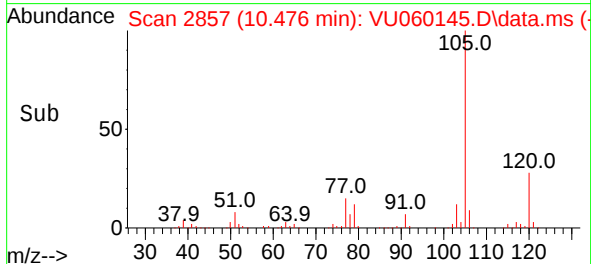
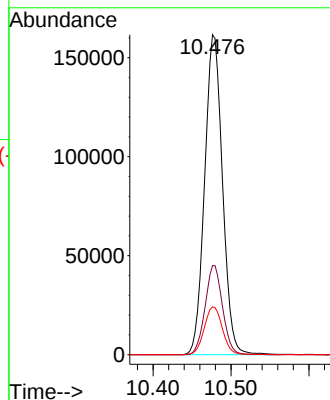
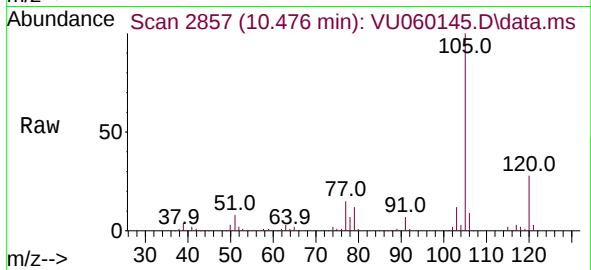




#60
Isopropylbenzene
Concen: 4.574 ug/L
RT: 10.476 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

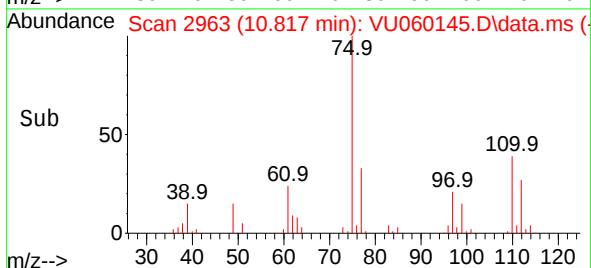
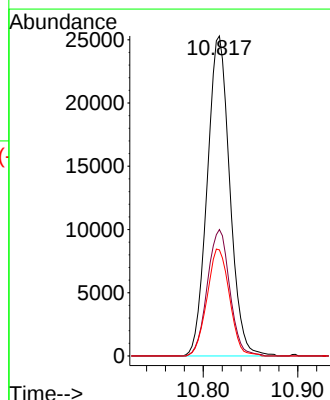
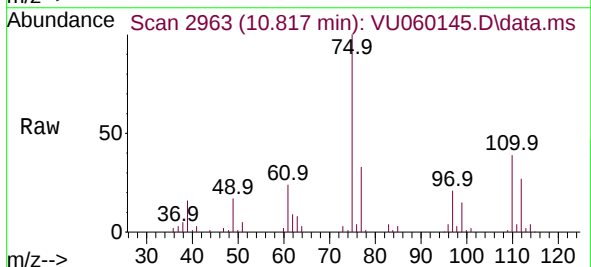
Instrument :
MSVOA_U
ClientSampleId :

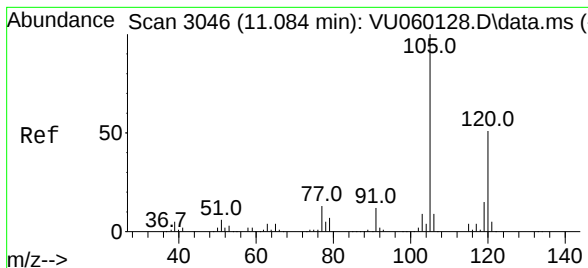
Tgt Ion:105 Resp: 257937
Ion Ratio Lower Upper
105 100
120 27.1 21.9 32.9
77 15.2 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.610 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU060145.D
Acq: 24 Jul 2024 04:49

Tgt Ion: 75 Resp: 41907
Ion Ratio Lower Upper
75 100
110 39.2 30.8 46.2
77 33.4 26.2 39.2





#62

1,3,5-Trimethylbenzene

Concen: 4.495 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

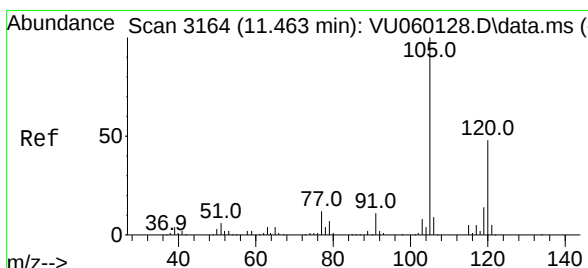
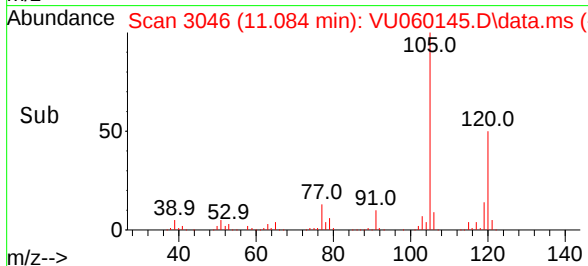
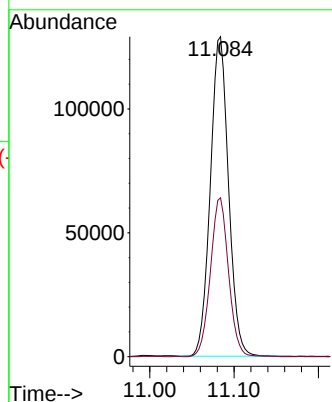
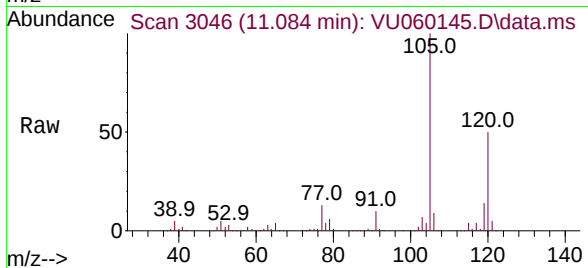
ClientSampleId :

Tgt Ion:105 Resp: 193663

Ion Ratio Lower Upper

105 100

120 49.5 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 4.583 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU060145.D

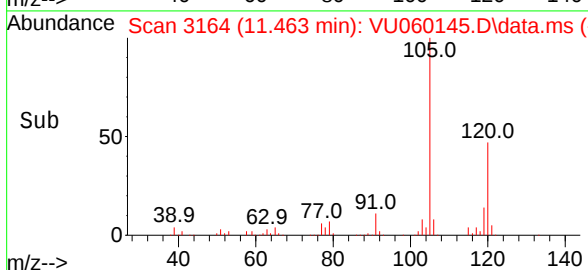
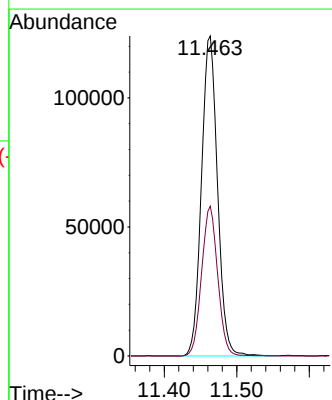
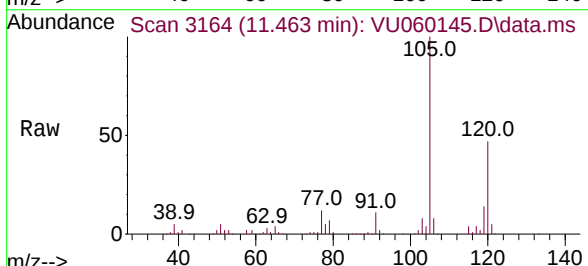
Acq: 24 Jul 2024 04:49

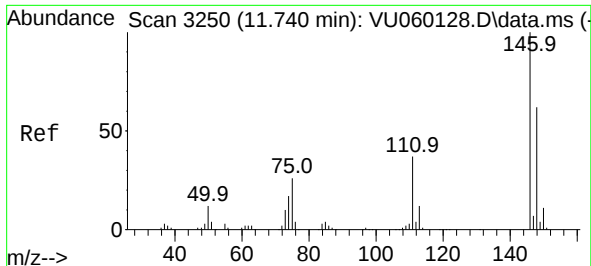
Tgt Ion:105 Resp: 190802

Ion Ratio Lower Upper

105 100

120 46.9 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 4.512 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

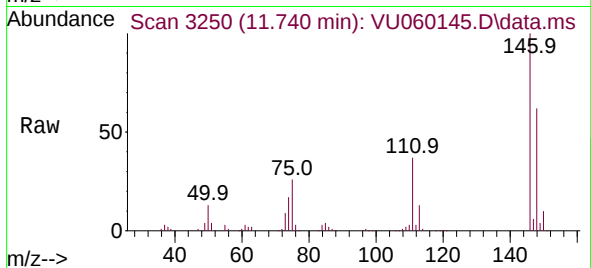
Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

ClientSampleId :



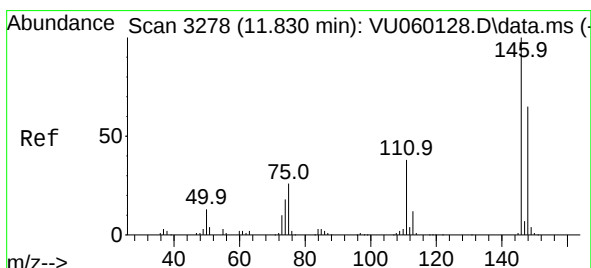
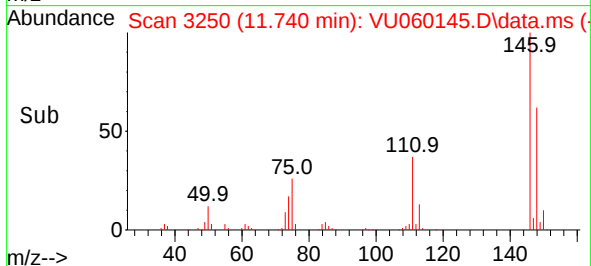
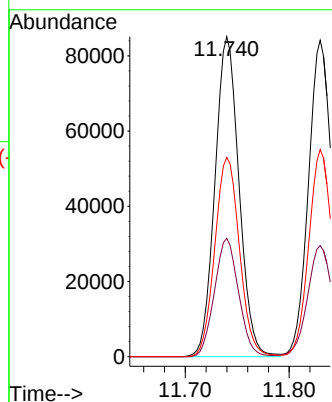
Tgt Ion:146 Resp: 136898

Ion Ratio Lower Upper

146 100

111 37.0 27.2 50.4

148 62.2 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 4.420 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

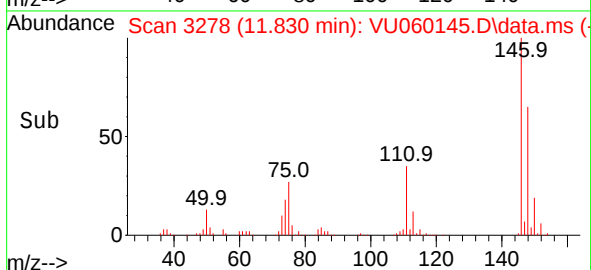
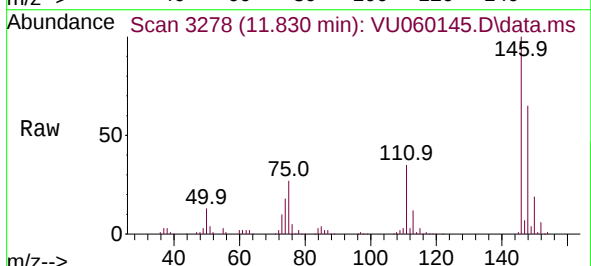
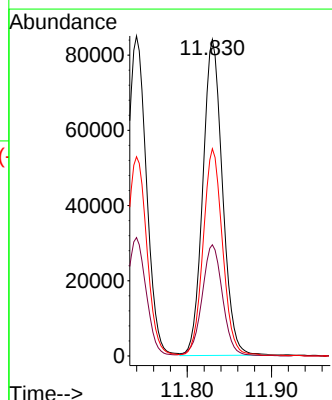
Tgt Ion:146 Resp: 136537

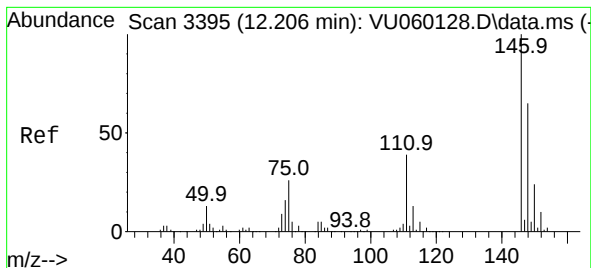
Ion Ratio Lower Upper

146 100

111 35.1 26.5 49.1

148 65.5 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.523 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

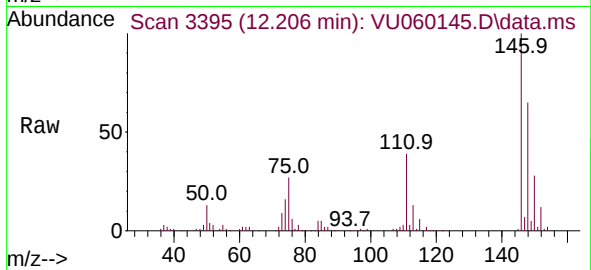
Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

ClientSampleId :



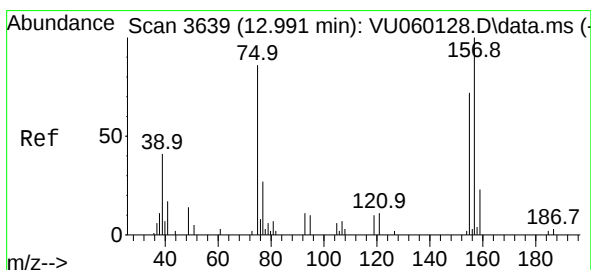
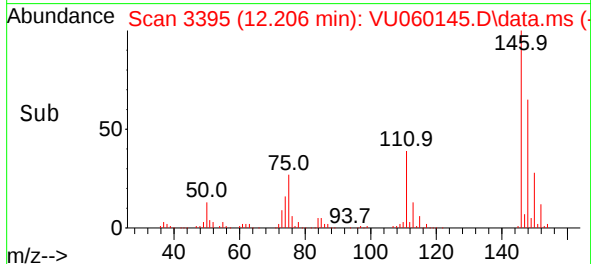
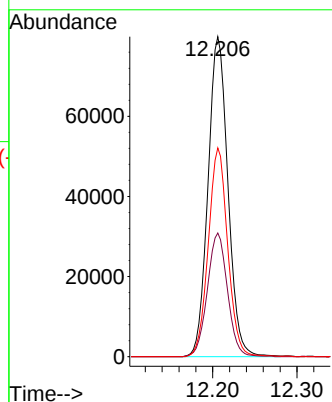
Tgt Ion:146 Resp: 131355

Ion Ratio Lower Upper

146 100

111 38.7 30.9 46.3

148 65.2 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.826 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

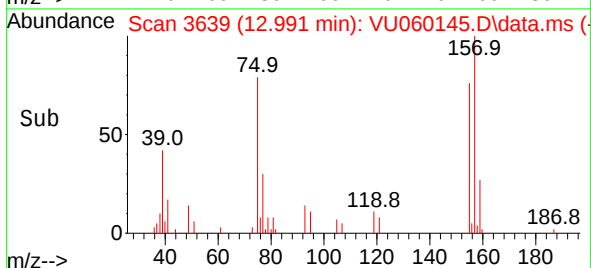
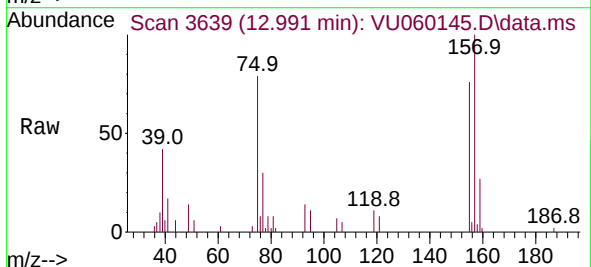
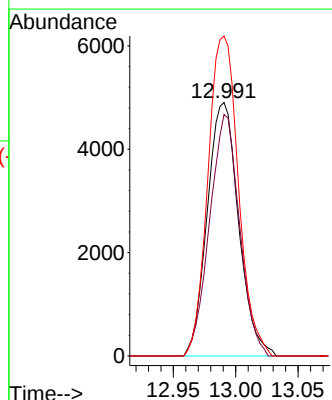
Tgt Ion: 75 Resp: 8550

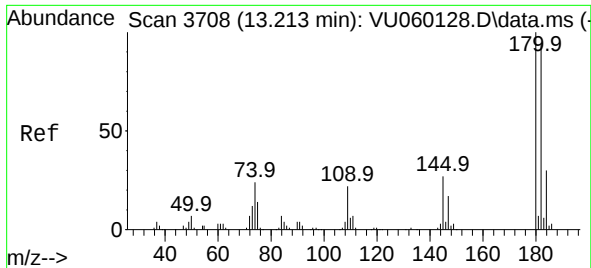
Ion Ratio Lower Upper

75 100

155 95.3 70.6 105.8

157 126.2 99.4 149.2





#69

1,3,5-Trichlorobenzene

Concen: 4.239 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 97070

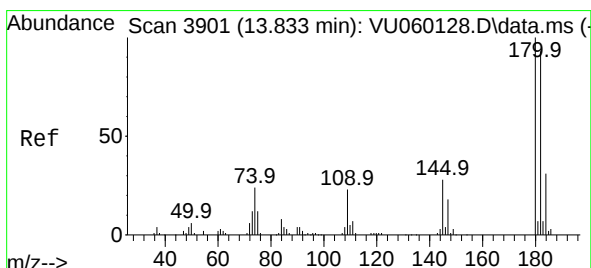
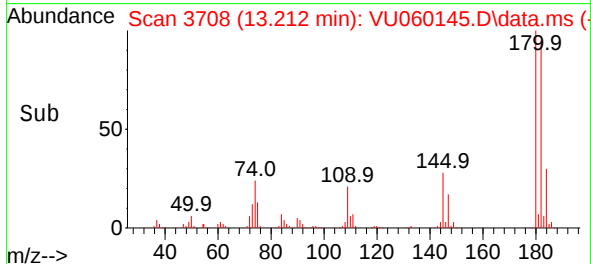
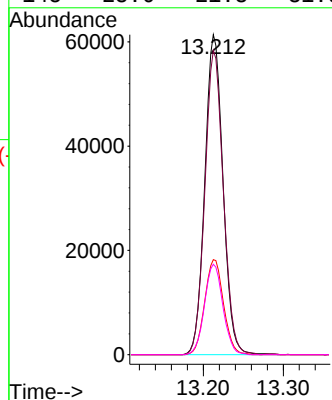
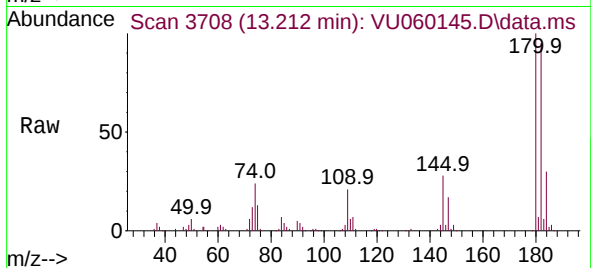
Ion Ratio Lower Upper

180 100

182 96.3 74.6 111.8

184 30.8 23.1 34.7

145 28.6 21.3 31.9



#70

1,2,4-trichlorobenzene

Concen: 4.658 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

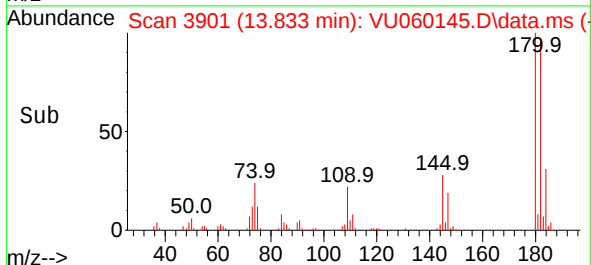
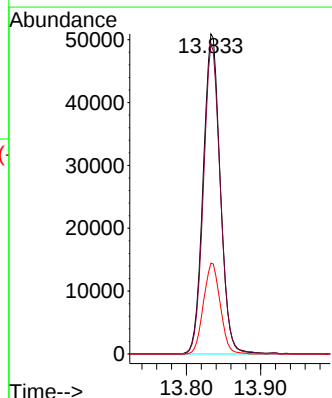
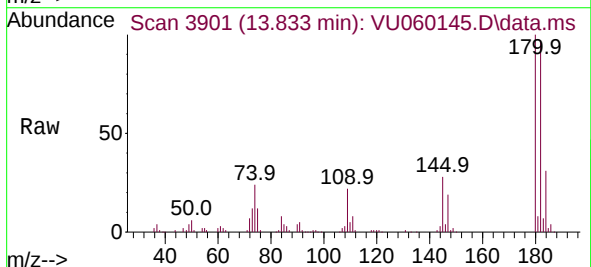
Tgt Ion:180 Resp: 81183

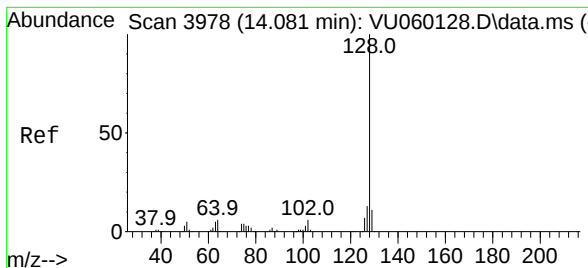
Ion Ratio Lower Upper

180 100

182 95.6 77.2 115.8

145 27.8 23.0 34.4





#71

Naphthalene

Concen: 5.172 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Instrument :

MSVOA_U

ClientSampleId :

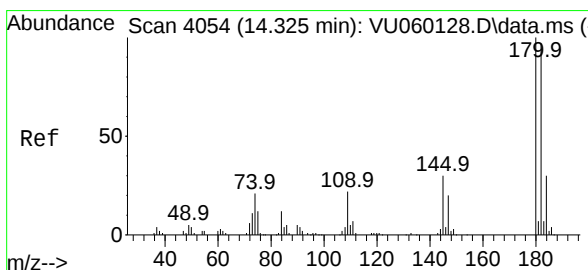
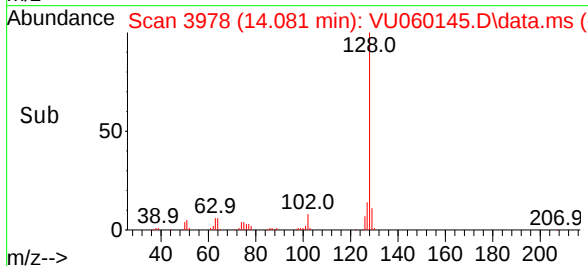
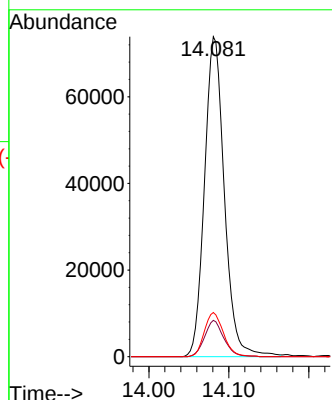
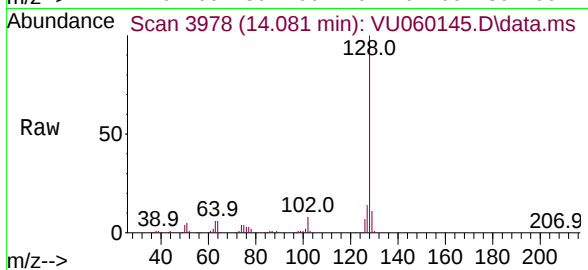
Tgt Ion:128 Resp: 127726

Ion Ratio Lower Upper

128 100

129 11.0 8.2 12.4

127 13.3 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.981 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU060145.D

Acq: 24 Jul 2024 04:49

Tgt Ion:180 Resp: 78076

Ion Ratio Lower Upper

180 100

182 95.5 76.3 114.5

145 28.7 23.9 35.9

