

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052324\
 Data File : VU058941.D
 Acq On : 22 May 2024 14:11
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

Quant Time: May 23 06:12:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu May 23 06:11:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	145227	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	145535	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	74922	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	35679	4.056	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.200%
7) Chloroethane-d5	1.911	69	37075	4.663	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.563	65	14966	4.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.400%
20) 2-Butanone-d5	4.631	46	127639	55.807	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.620%
24) Chloroform-d	5.058	84	91936	5.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.695	65	45560	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.724	84	162419	4.862	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.685	67	56378	5.065	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.894	98	139248	4.580	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	8.174	79	18143	4.750	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.627	63	99809	54.447	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.900%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	50051	5.207	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	53589	4.756	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	62146	5.849	ug/L	96
3) Chloromethane	1.518	50	73294	5.924	ug/L	99
5) Vinyl chloride	1.602	62	78025	5.887	ug/L	99
6) Bromomethane	1.856	94	45579	5.520	ug/L	98
8) Chloroethane	1.933	64	49540	5.881	ug/L	100
9) Trichlorofluoromethane	2.136	101	97562	5.739	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	60042	5.828	ug/L	99
12) 1,1-Dichloroethene	2.576	96	52932	5.851	ug/L	95
13) Acetone	2.644	43	102022	64.538	ug/L	98
14) Carbon disulfide	2.792	76	155878	5.437	ug/L	100
15) Methyl Acetate	2.956	43	23373	5.949	ug/L	100
16) Methylene chloride	3.039	84	68560	5.585	ug/L	93
17) Methyl tert-butyl Ether	3.358	73	133252	5.666	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	55512	5.827	ug/L	98
19) 1,1-Dichloroethane	3.862	63	120392	6.046	ug/L	98
21) 2-Butanone	4.708	43	156699	61.804	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	64128	5.847	ug/L	98
23) Bromochloromethane	4.968	128	28891	5.965	ug/L	94
25) Chloroform	5.081	83	124046	5.961	ug/L	99

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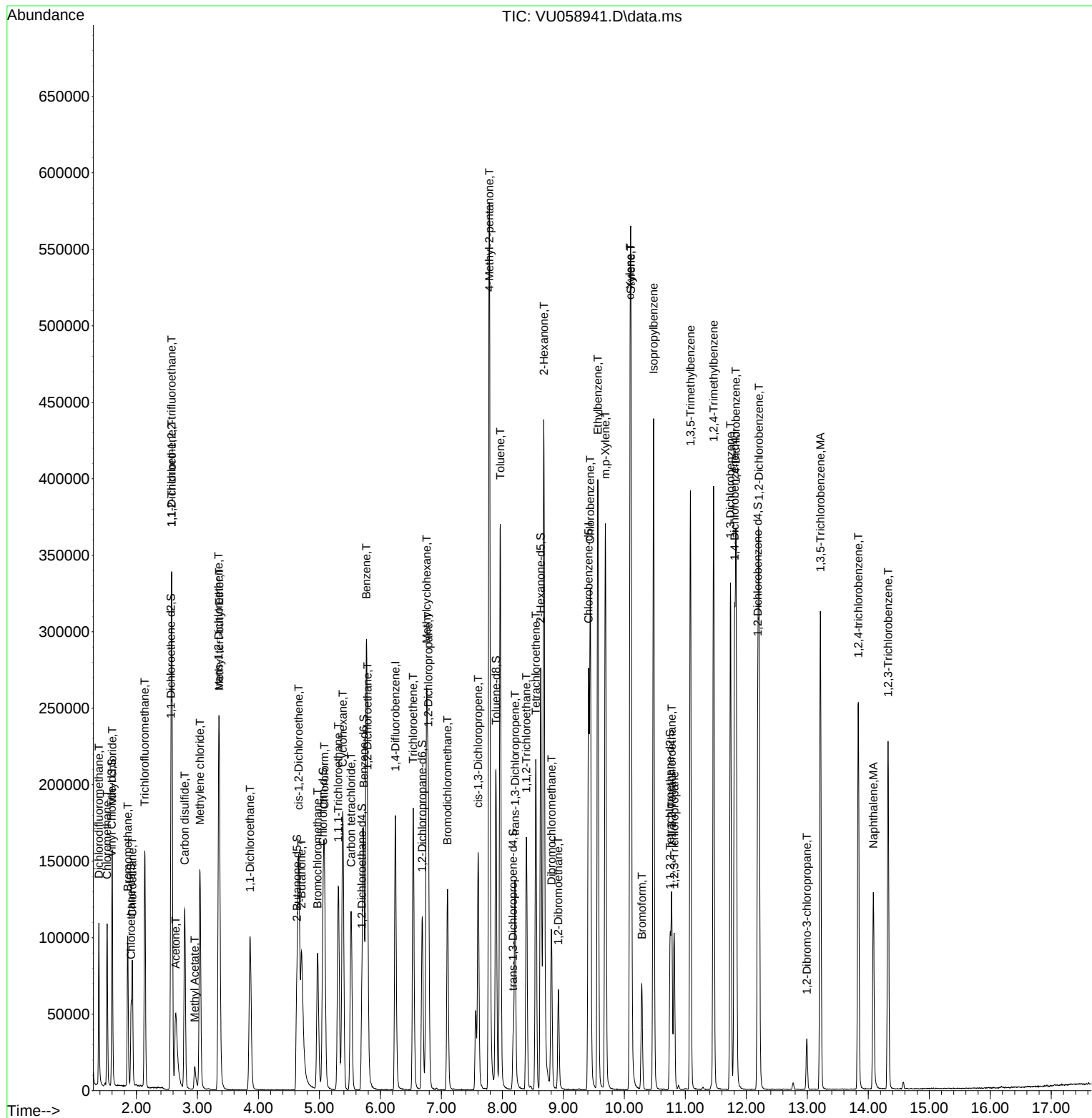
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	76321	6.003	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	96219	5.913	ug/L	98
30) Cyclohexane	5.383	56	85500	5.557	ug/L	96
31) Carbon tetrachloride	5.518	117	80815	5.954	ug/L	99
33) Benzene	5.769	78	258033	6.032	ug/L	100
34) Trichloroethene	6.538	95	66094	5.841	ug/L	98
35) Methylcyclohexane	6.759	83	90955	5.634	ug/L	100
37) 1,2-Dichloropropane	6.785	63	73088	6.019	ug/L	100
38) Bromodichloromethane	7.100	83	86538	5.945	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	92151	5.568	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	382096	60.880	ug/L	99
42) Toluene	7.965	91	272031	6.097	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	80312	5.948	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	51008	5.971	ug/L	98
47) Tetrachloroethene	8.547	164	47298	5.867	ug/L	97
48) 2-Hexanone	8.679	43	282850	62.537	ug/L	99
49) Dibromochloromethane	8.804	129	53491	5.938	ug/L	99
50) 1,2-Dibromoethane	8.917	107	44394	5.881	ug/L	97
51) Chlorobenzene	9.441	112	165654	5.826	ug/L	99
52) Ethylbenzene	9.563	91	282038	5.855	ug/L	99
53) m,p-Xylene	9.689	106	104743	5.941	ug/L	96
54) o-Xylene	10.094	106	98895	5.736	ug/L	95
55) Styrene	10.110	104	179393	6.184	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	62807	5.799	ug/L	99
59) Bromoform	10.287	173	29805	5.444	ug/L	99
60) Isopropylbenzene	10.479	105	271349	5.657	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	44045	5.709	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	210950	5.518	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	217461	5.737	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	132170	5.663	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	132828	5.703	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	124807	5.722	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	8632	5.562	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	97068	5.547	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	75950	5.259	ug/L	97
71) Naphthalene	14.084	128	108422	4.982	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	69415	5.478	ug/L	98

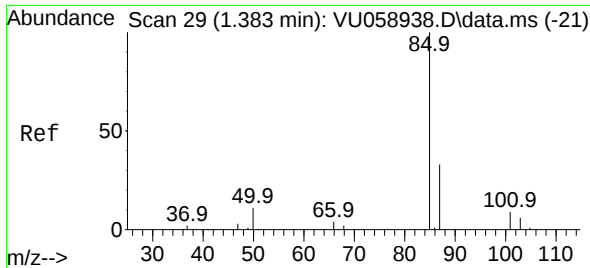
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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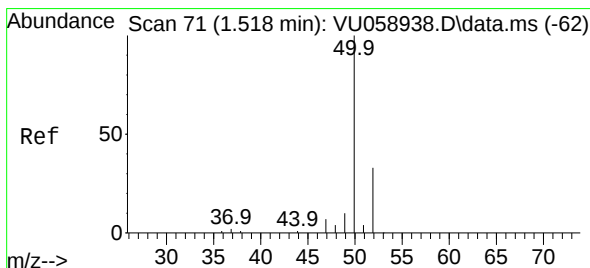
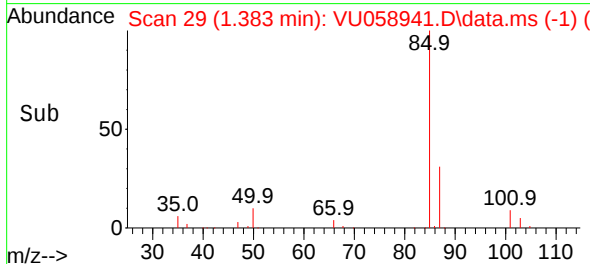
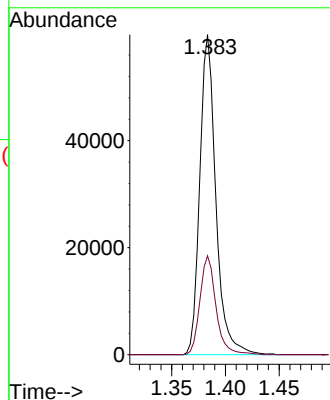
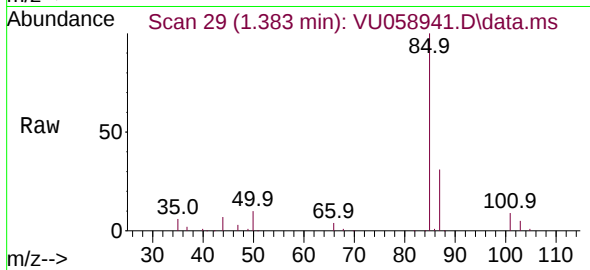




#2
 Dichlorodifluoromethane
 Concen: 5.849 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU058941.D
 Acq: 22 May 2024 14:11

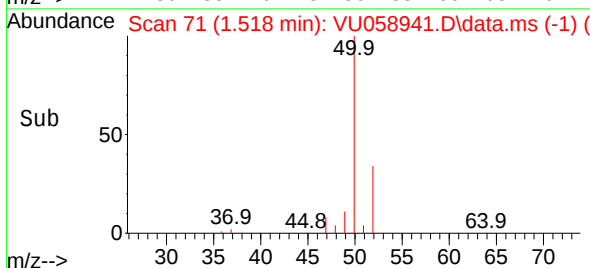
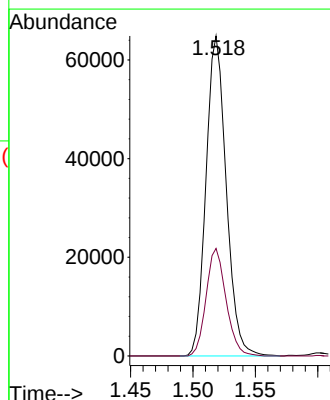
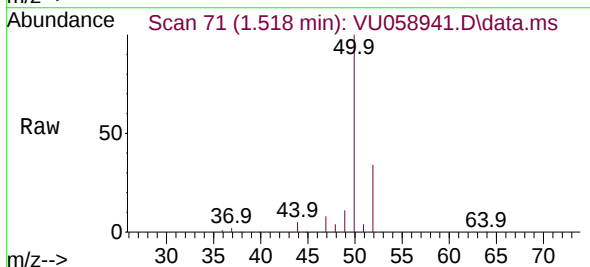
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

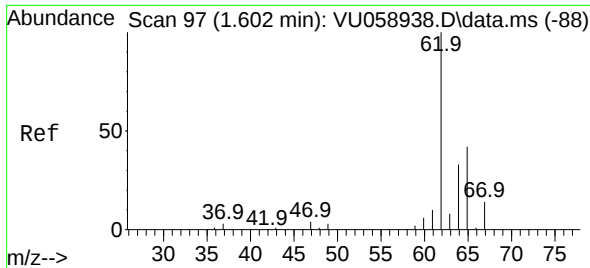
Tgt Ion: 85 Resp: 62146
 Ion Ratio Lower Upper
 85 100
 87 30.9 26.6 40.0



#3
 Chloromethane
 Concen: 5.924 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU058941.D
 Acq: 22 May 2024 14:11

Tgt Ion: 50 Resp: 73294
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.2 43.0

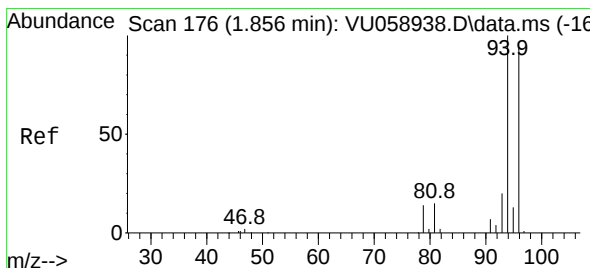
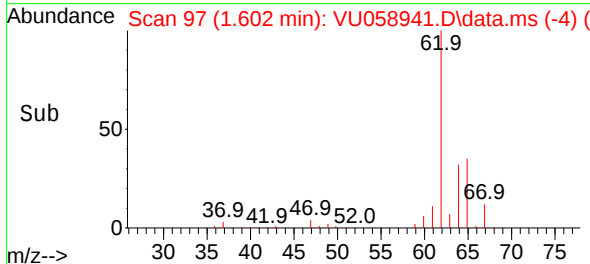
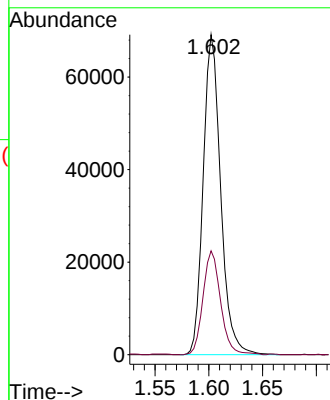
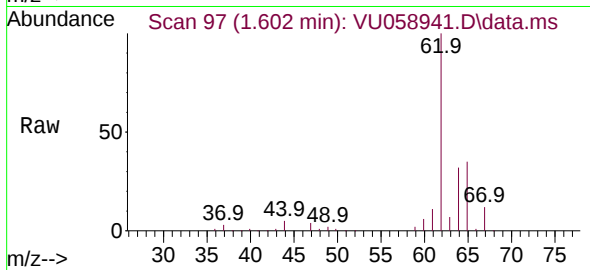




#5
 Vinyl chloride
 Concen: 5.887 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU058941.D
 Acq: 22 May 2024 14:11

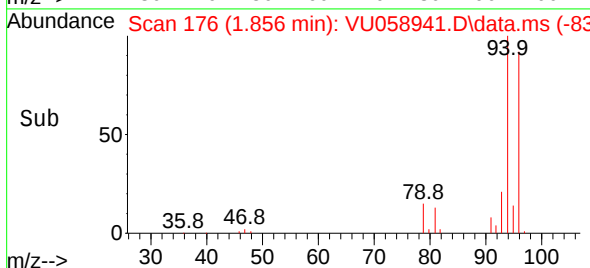
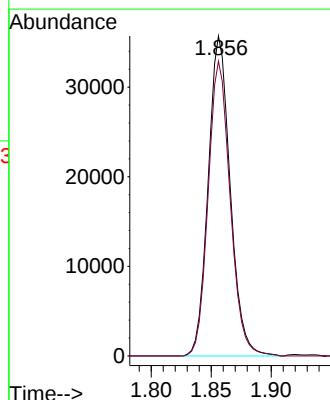
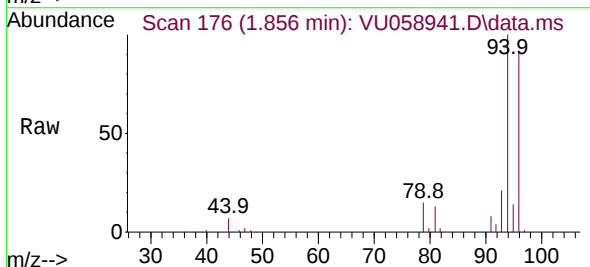
Instrument :
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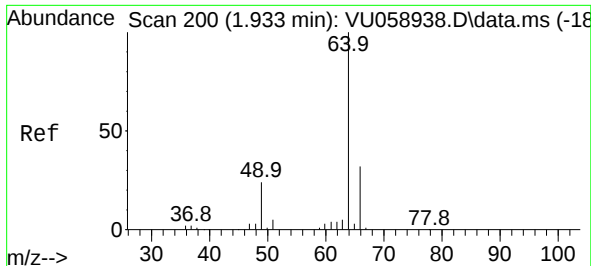
Tgt Ion: 62 Resp: 78025
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.1 42.9



#6
 Bromomethane
 Concen: 5.520 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU058941.D
 Acq: 22 May 2024 14:11

Tgt Ion: 94 Resp: 45579
 Ion Ratio Lower Upper
 94 100
 96 92.1 62.9 116.9

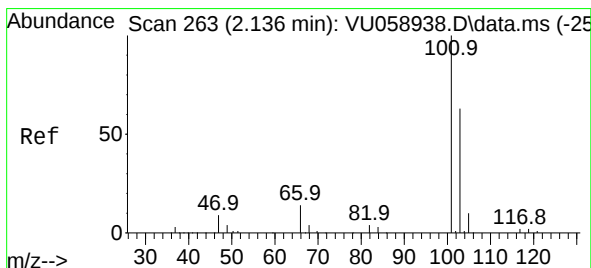
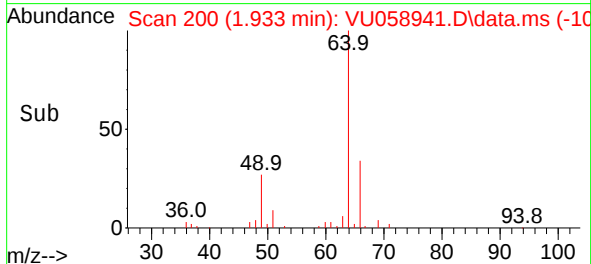
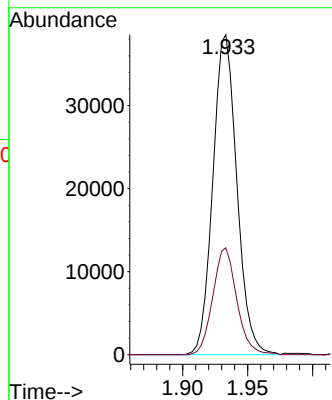
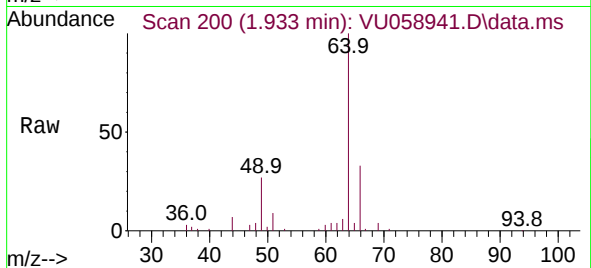




#8
Chloroethane
Concen: 5.881 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

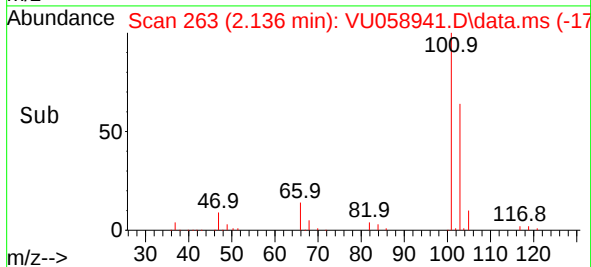
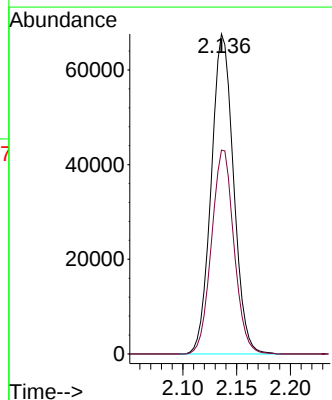
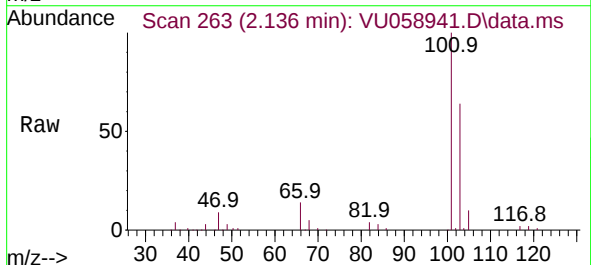
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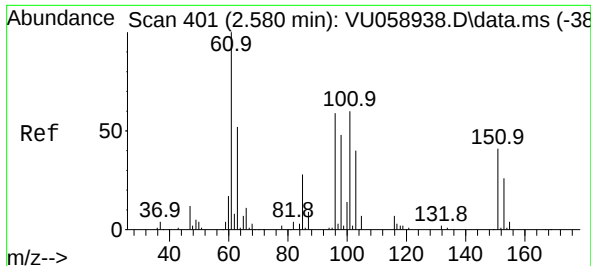
Tgt Ion: 64 Resp: 49540
Ion Ratio Lower Upper
64 100
66 33.4 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.739 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion:101 Resp: 97562
Ion Ratio Lower Upper
101 100
103 64.3 52.6 79.0

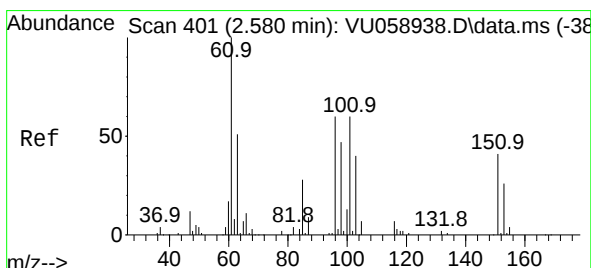
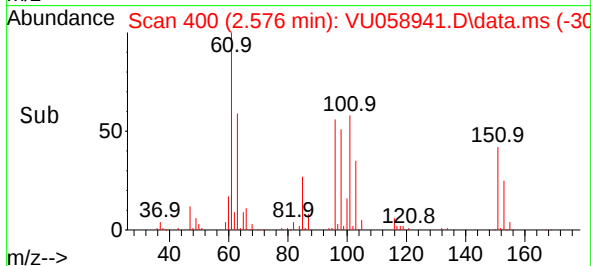
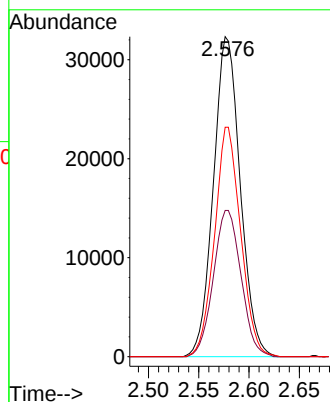
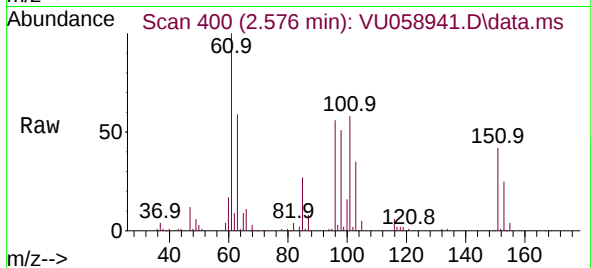




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.828 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU058941.D
 Acq: 22 May 2024 14:11

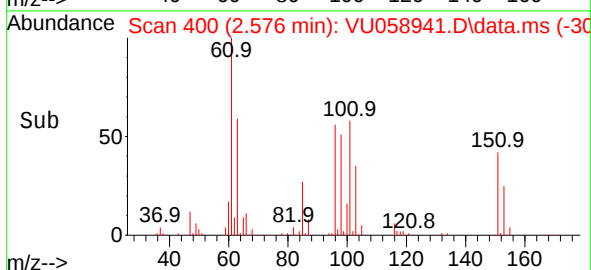
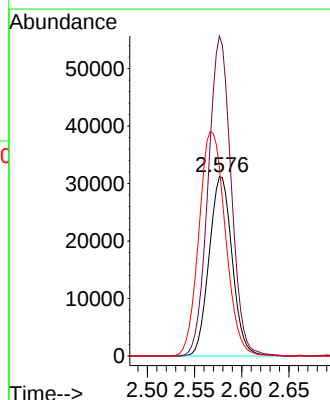
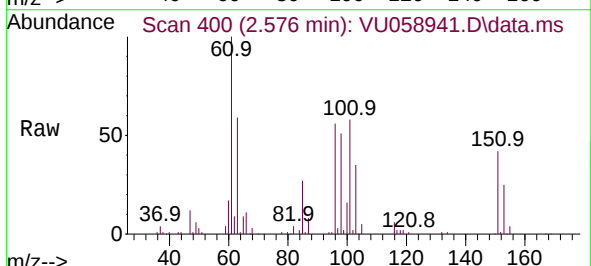
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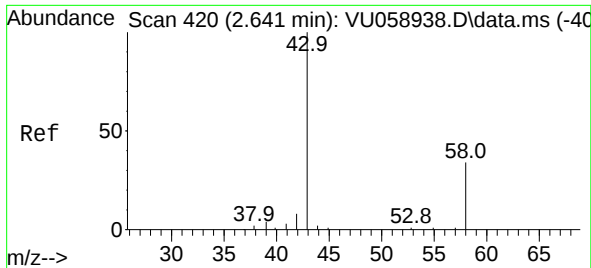
Tgt Ion:101 Resp: 60042
 Ion Ratio Lower Upper
 101 100
 85 46.9 36.2 54.4
 151 69.7 55.5 83.3



#12
 1,1-Dichloroethene
 Concen: 5.851 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU058941.D
 Acq: 22 May 2024 14:11

Tgt Ion: 96 Resp: 52932
 Ion Ratio Lower Upper
 96 100
 61 178.5 122.9 228.3
 63 105.0 80.4 149.4





#13

Acetone

Concen: 64.538 ug/L

RT: 2.644 min Scan# 420

Delta R.T. 0.003 min

Lab File: VU058941.D

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Instrument :

MSVOA_U

ClientSampleId :

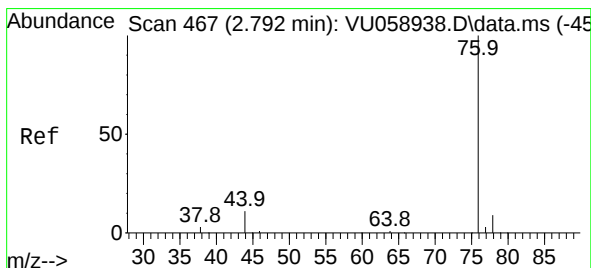
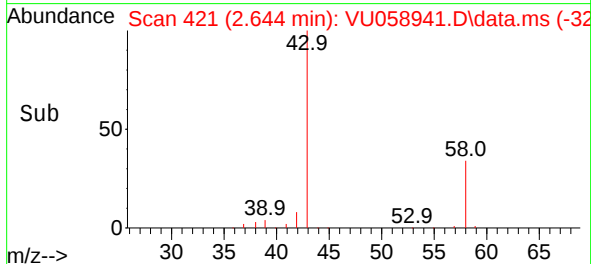
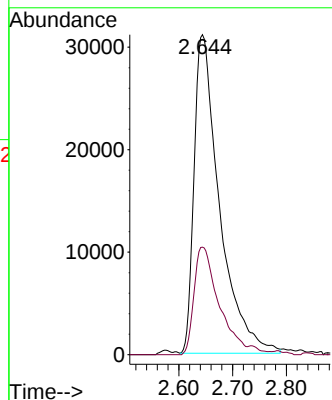
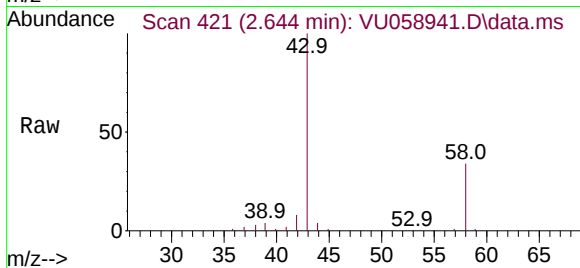
VSTD005109

Tgt Ion: 43 Resp: 102022

Ion Ratio Lower Upper

43 100

58 32.9 0.0 68.0



#14

Carbon disulfide

Concen: 5.437 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU058941.D

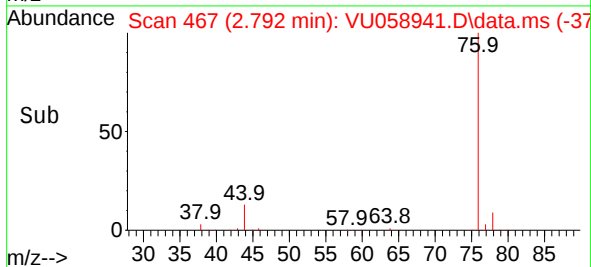
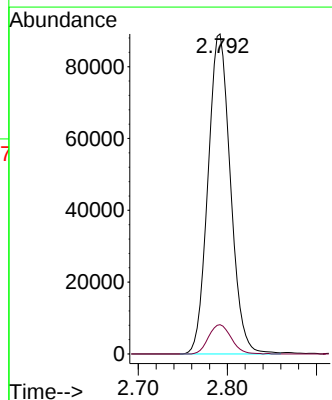
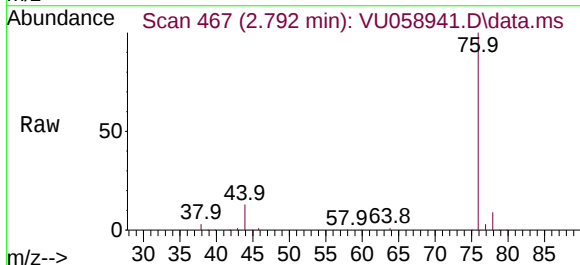
Acq: 22 May 2024 14:11

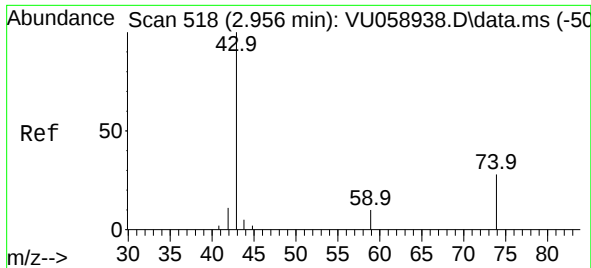
Tgt Ion: 76 Resp: 155878

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

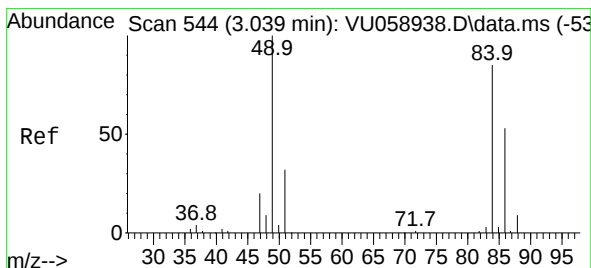
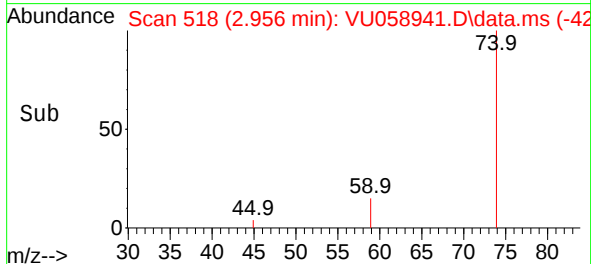
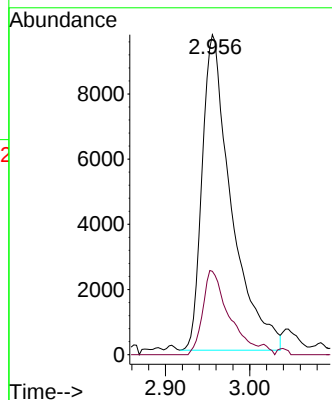
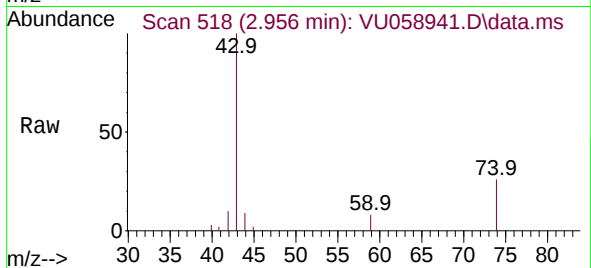




#15
Methyl Acetate
Concen: 5.949 ug/L
RT: 2.956 min Scan# 518
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

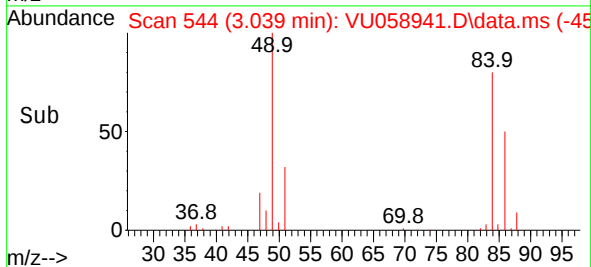
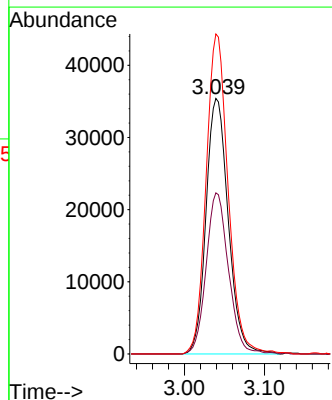
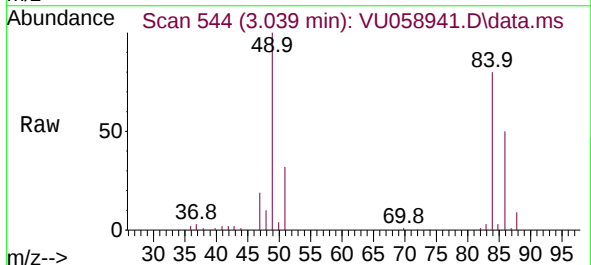
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

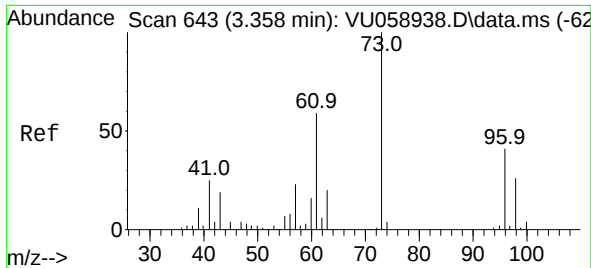
Tgt Ion: 43 Resp: 23373
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8



#16
Methylene chloride
Concen: 5.585 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion: 84 Resp: 68560
Ion Ratio Lower Upper
84 100
86 63.1 42.1 78.1
49 125.2 80.6 149.8

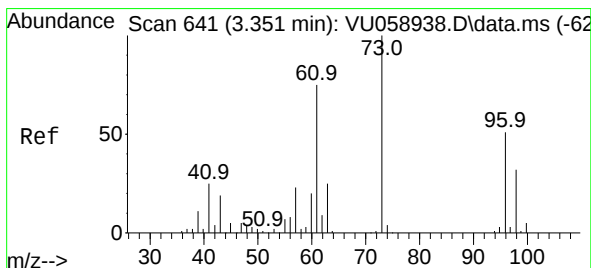
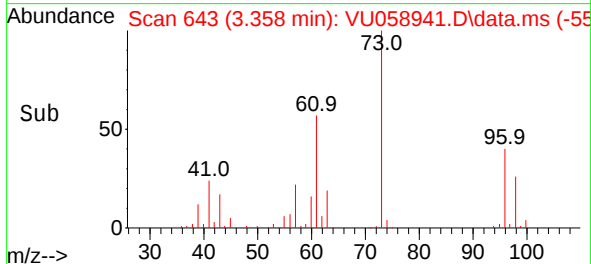
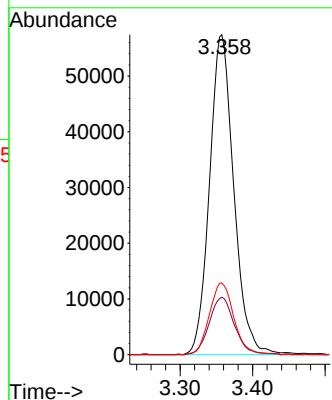
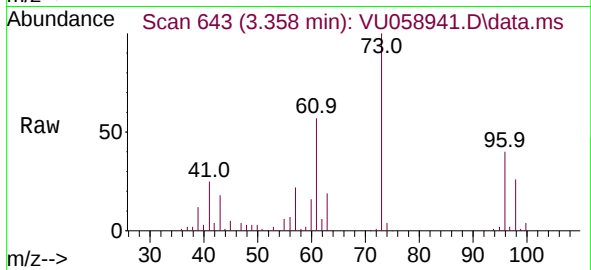




#17
Methyl tert-butyl Ether
Concen: 5.666 ug/L
RT: 3.358 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

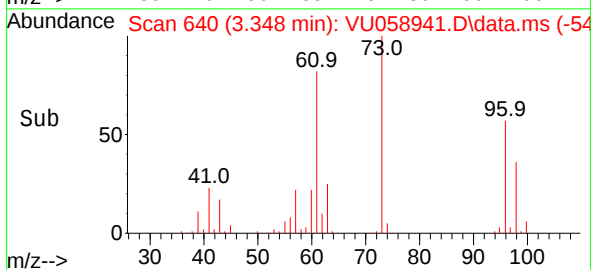
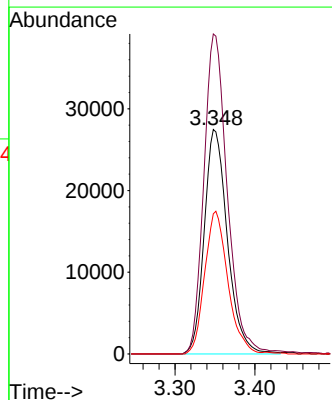
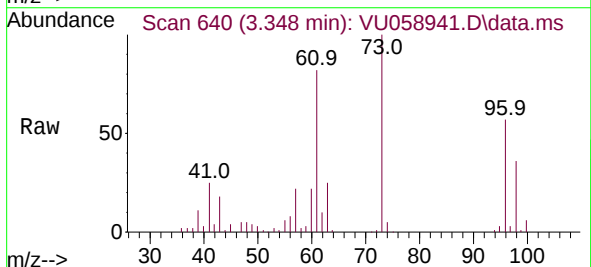
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

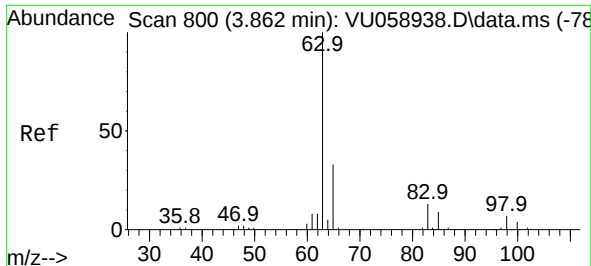
Tgt Ion:	73	Resp:	133252
Ion	Ratio	Lower	Upper
73	100		
43	18.7	14.9	22.3
57	22.7	18.0	27.0



#18
trans-1,2-Dichloroethene
Concen: 5.827 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion:	96	Resp:	55512
Ion	Ratio	Lower	Upper
96	100		
61	142.5	101.8	189.0
98	62.4	43.3	80.5

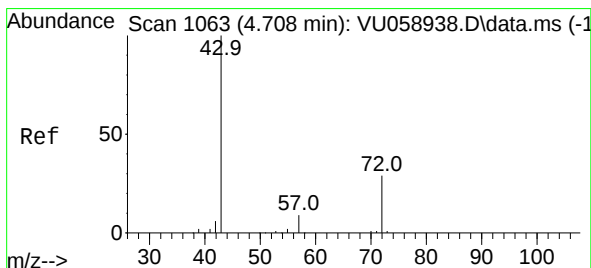
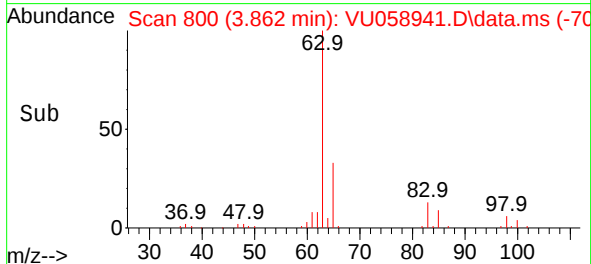
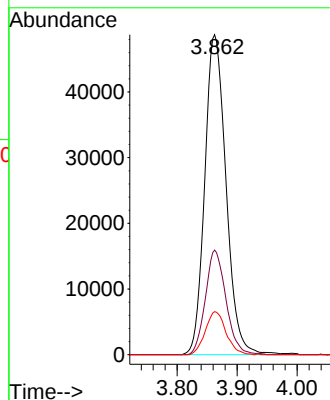
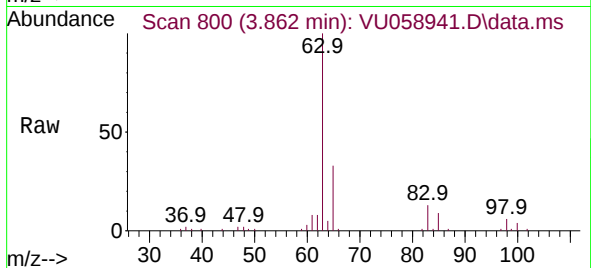




#19
1,1-Dichloroethane
Concen: 6.046 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

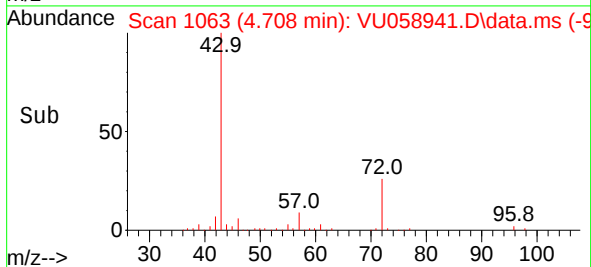
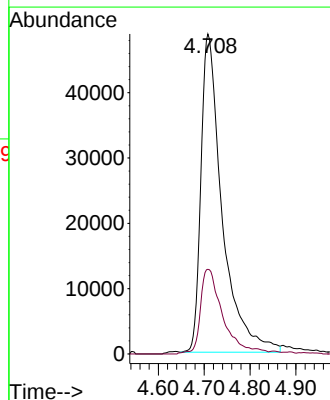
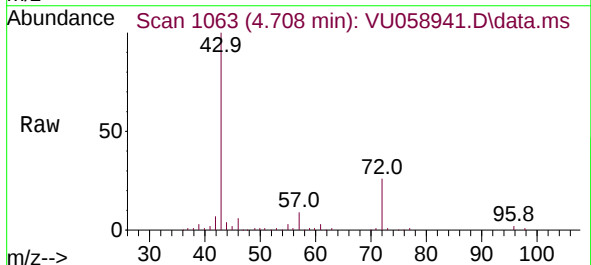
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

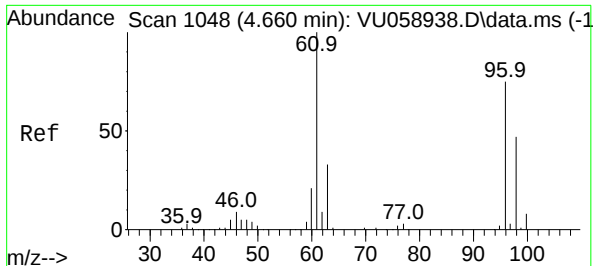
Tgt Ion: 63 Resp: 120392
Ion Ratio Lower Upper
63 100
65 32.7 21.8 40.6
83 13.5 9.9 18.5



#21
2-Butanone
Concen: 61.804 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion: 43 Resp: 156699
Ion Ratio Lower Upper
43 100
72 27.2 13.8 41.4

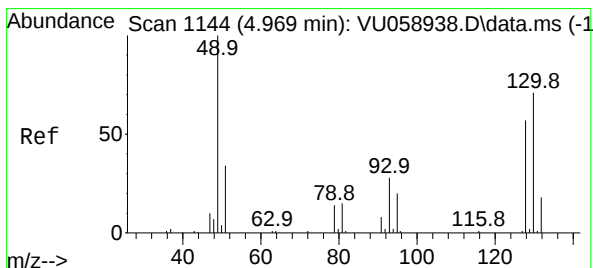
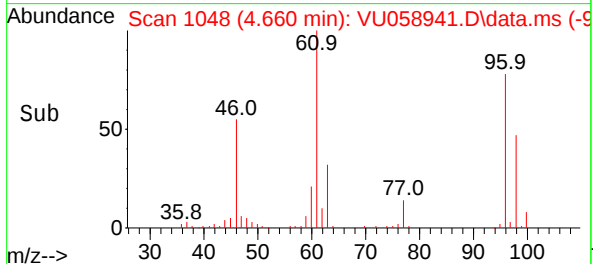
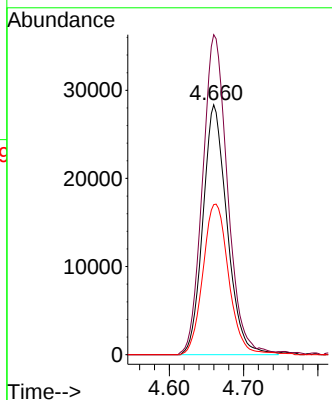
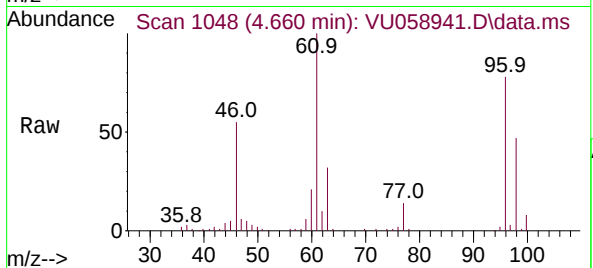




#22
cis-1,2-Dichloroethene
Concen: 5.847 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

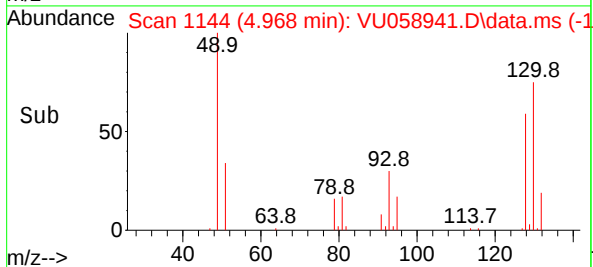
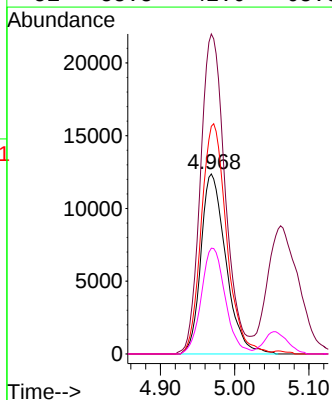
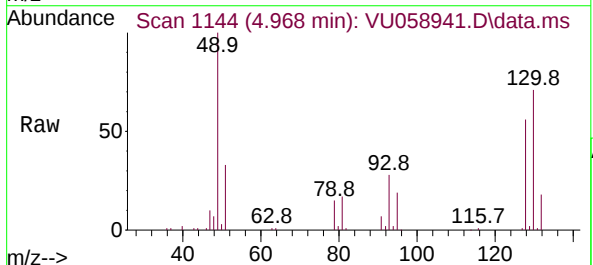
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

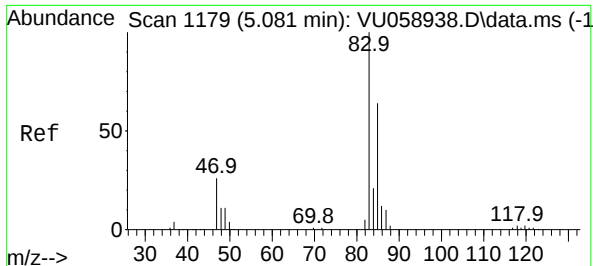
Tgt Ion: 96 Resp: 64128
Ion Ratio Lower Upper
96 100
61 128.1 87.4 162.2
98 60.1 42.3 78.5



#23
Bromochloromethane
Concen: 5.965 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion:128 Resp: 28891
Ion Ratio Lower Upper
128 100
49 177.8 117.0 217.4
130 126.5 89.6 166.4
51 58.8 42.0 63.0

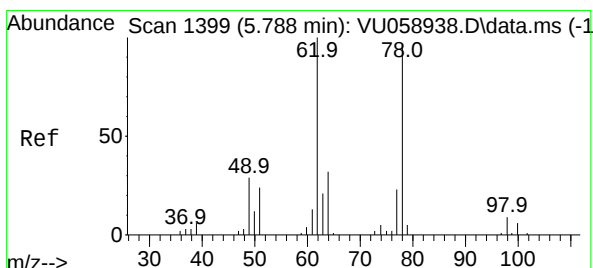
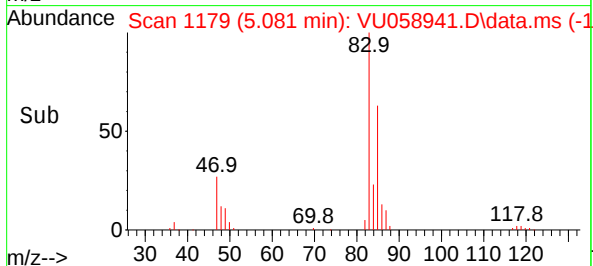
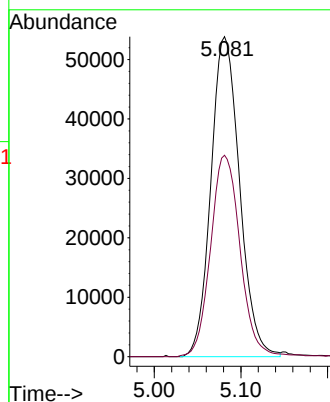
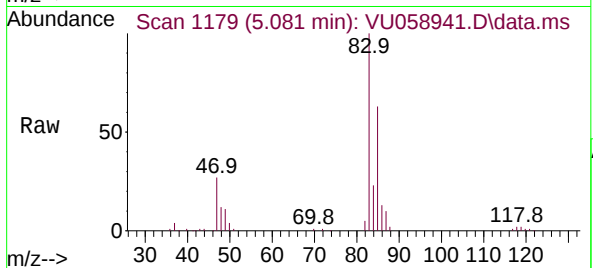




#25
Chloroform
Concen: 5.961 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

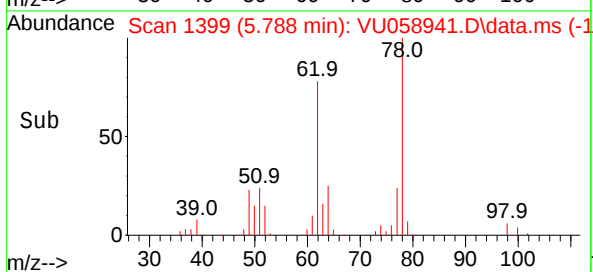
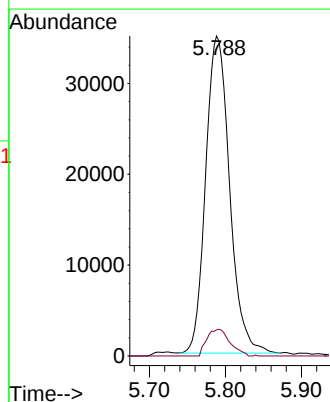
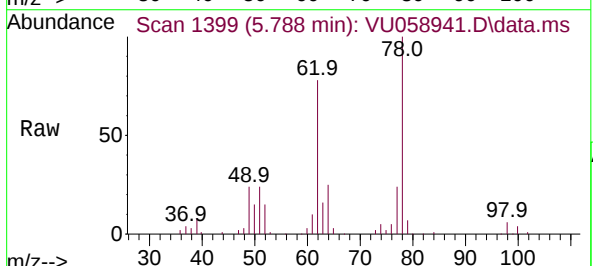
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

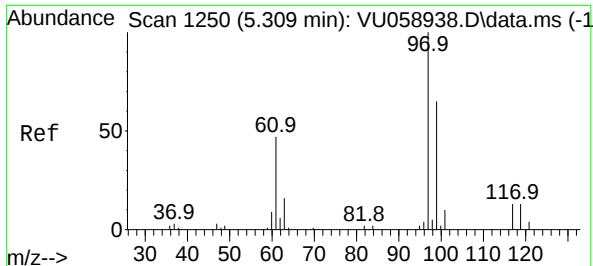
Tgt Ion: 83 Resp: 124046
Ion Ratio Lower Upper
83 100
85 62.9 44.7 83.1



#27
1,2-Dichloroethane
Concen: 6.003 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion: 62 Resp: 76321
Ion Ratio Lower Upper
62 100
98 8.1 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 5.913 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

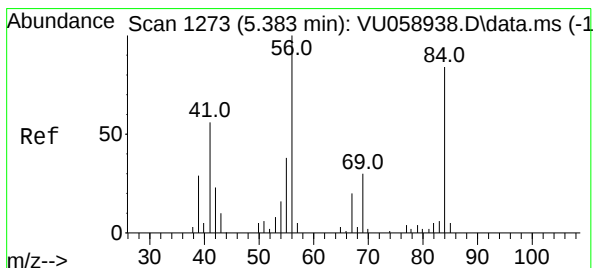
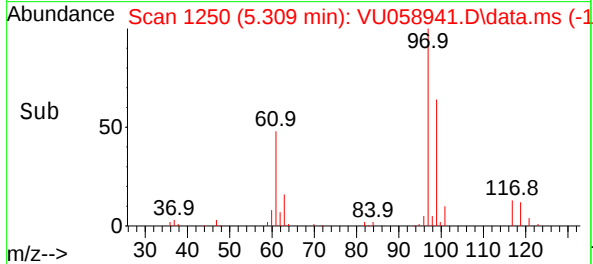
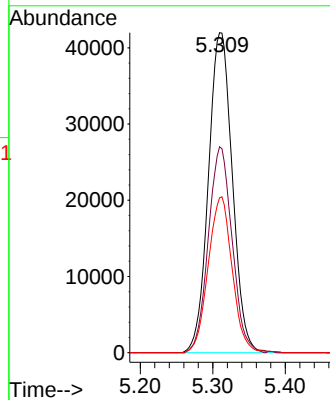
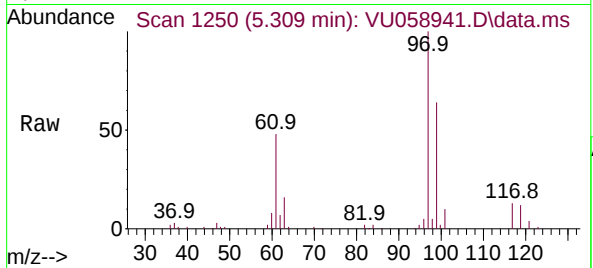
Tgt Ion: 97 Resp: 96219

Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

61 48.9 37.4 56.2



#30

Cyclohexane

Concen: 5.557 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

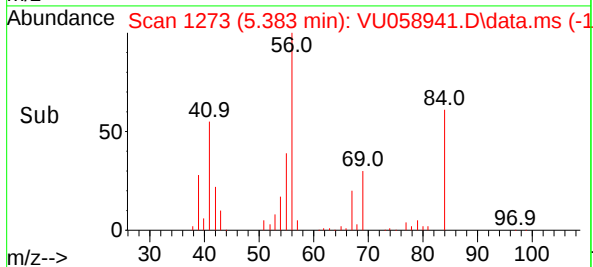
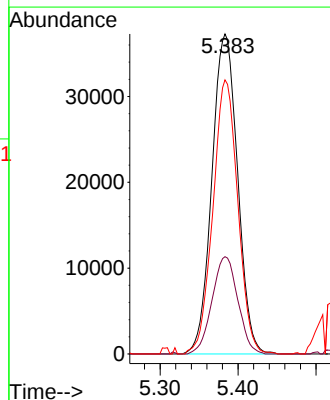
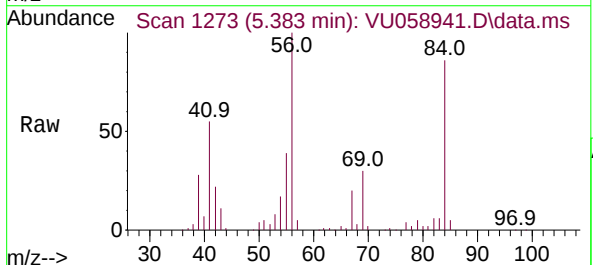
Tgt Ion: 56 Resp: 85500

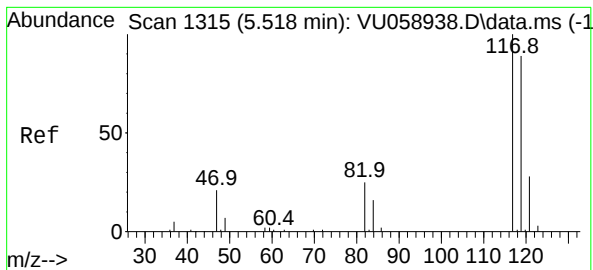
Ion Ratio Lower Upper

56 100

69 30.5 24.8 37.2

84 82.9 69.8 104.8





#31

Carbon tetrachloride

Concen: 5.954 ug/L

RT: 5.518 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Instrument :

MSVOA_U

ClientSampleId :

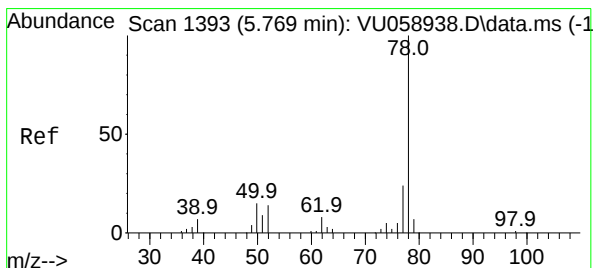
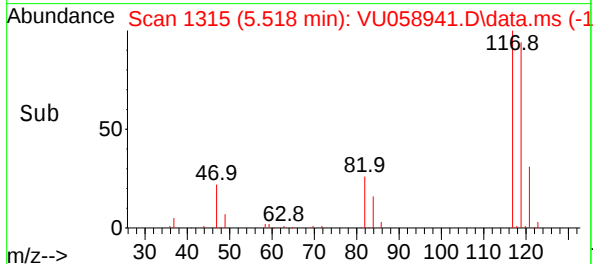
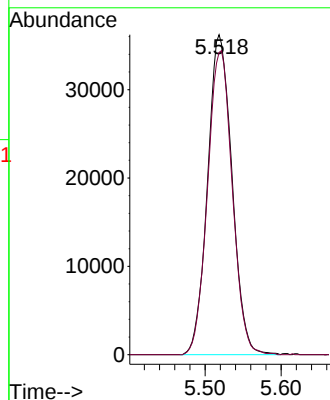
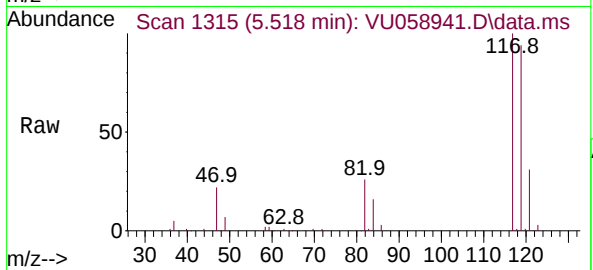
VSTD005109

Tgt Ion:117 Resp: 80815

Ion Ratio Lower Upper

117 100

119 96.0 77.5 116.3



#33

Benzene

Concen: 6.032 ug/L

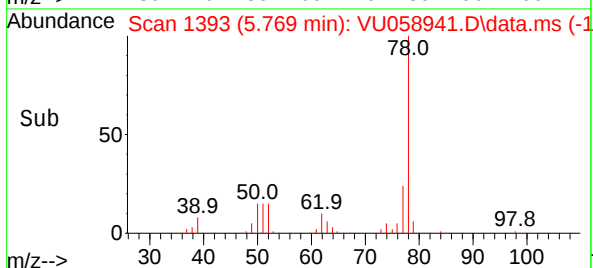
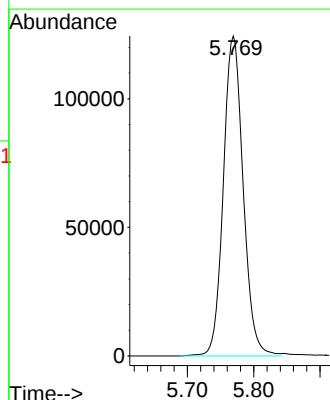
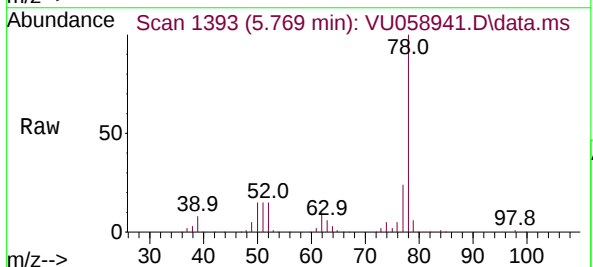
RT: 5.769 min Scan# 1393

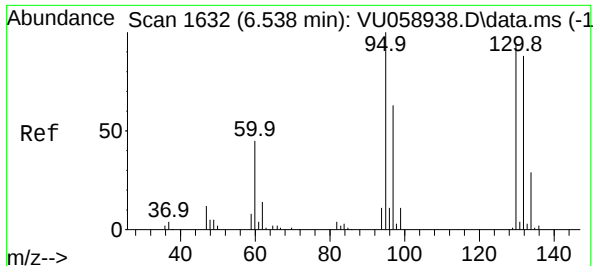
Delta R.T. -0.000 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Tgt Ion: 78 Resp: 258033

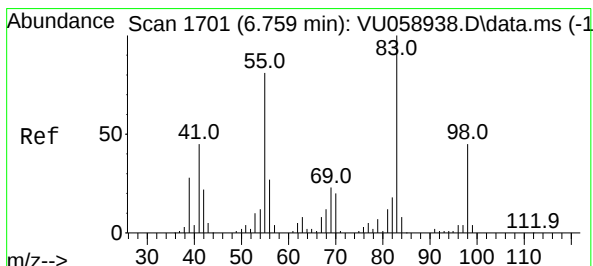
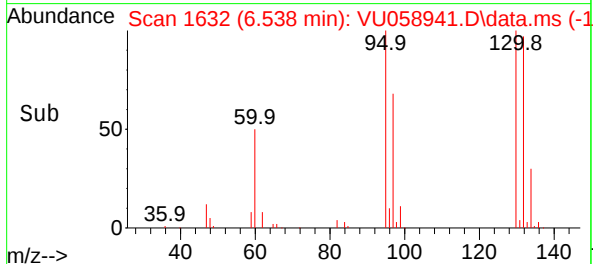
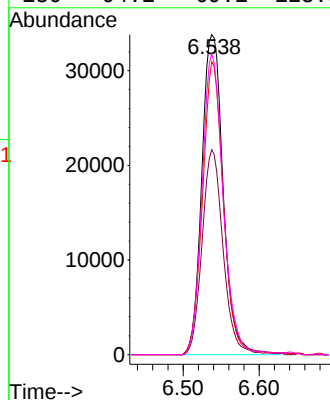
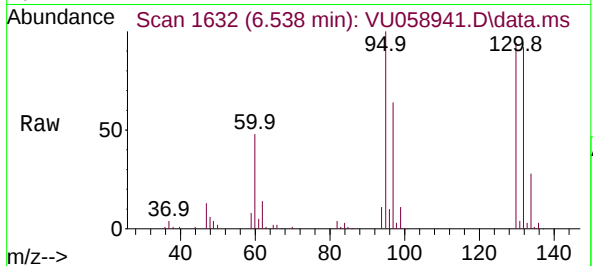




#34
Trichloroethene
Concen: 5.841 ug/L
RT: 6.538 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

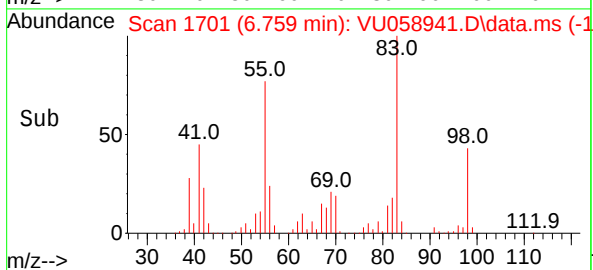
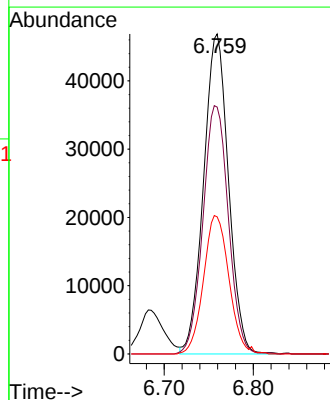
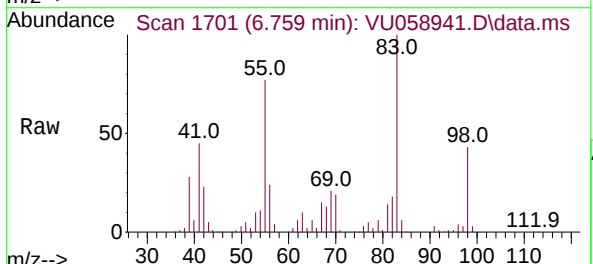
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

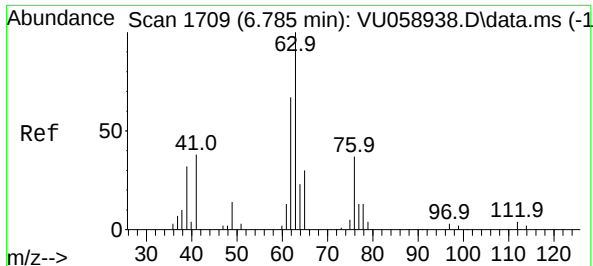
Tgt Ion: 95 Resp: 66094
Ion Ratio Lower Upper
95 100
97 64.1 45.3 84.1
132 91.6 64.0 119.0
130 94.1 69.1 128.3



#35
Methylcyclohexane
Concen: 5.634 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion: 83 Resp: 90955
Ion Ratio Lower Upper
83 100
55 79.1 62.7 94.1
98 44.2 35.4 53.0

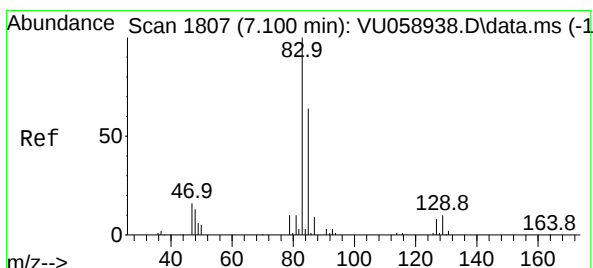
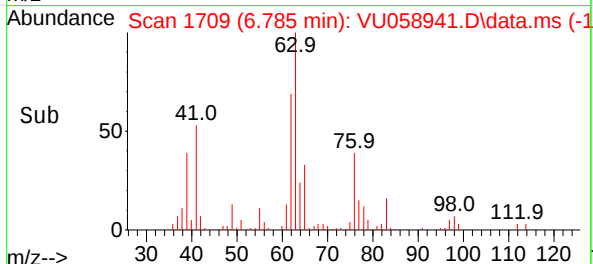
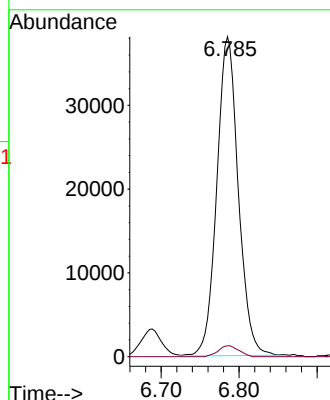
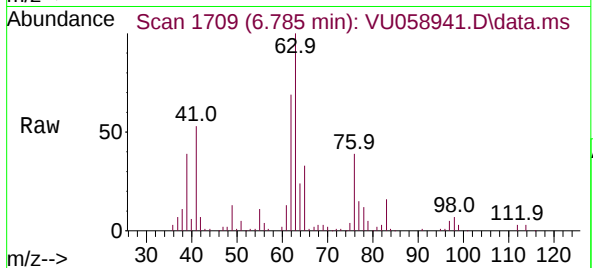




#37
1,2-Dichloropropane
Concen: 6.019 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

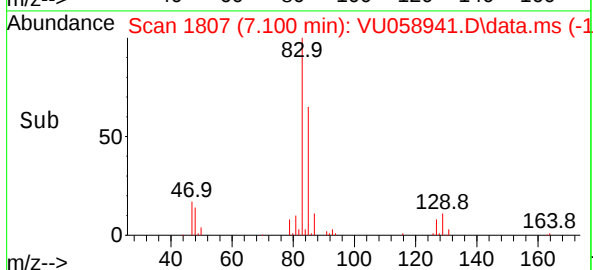
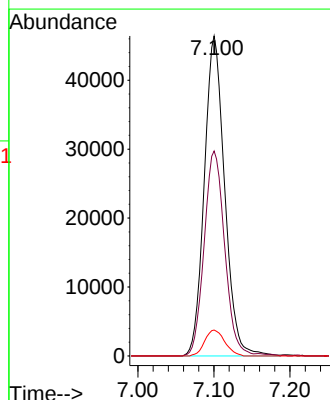
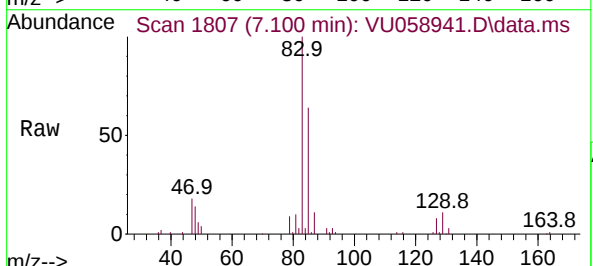
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

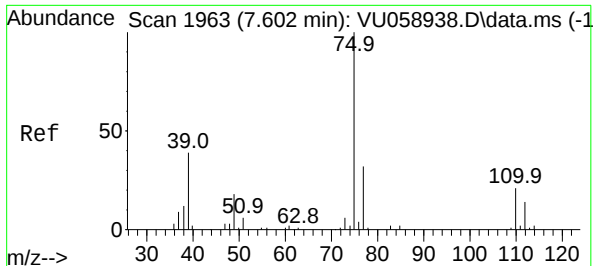
Tgt Ion: 63 Resp: 73088
Ion Ratio Lower Upper
63 100
112 3.3 2.6 3.8



#38
Bromodichloromethane
Concen: 5.945 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion: 83 Resp: 86538
Ion Ratio Lower Upper
83 100
85 64.1 42.7 79.3
127 8.1 6.1 9.1

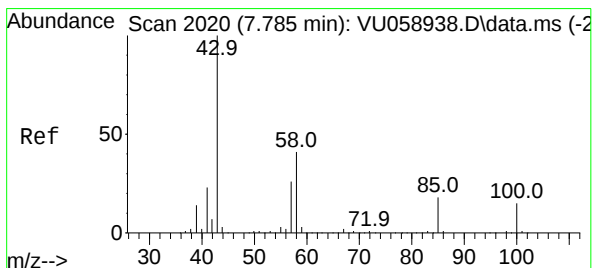
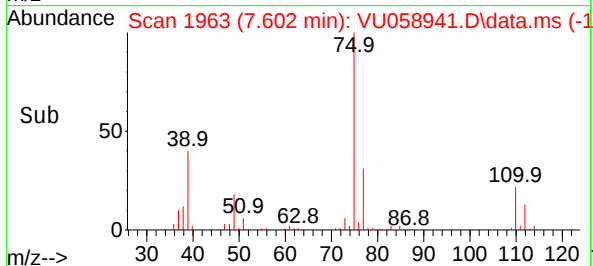
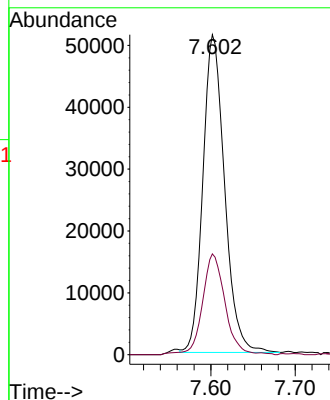
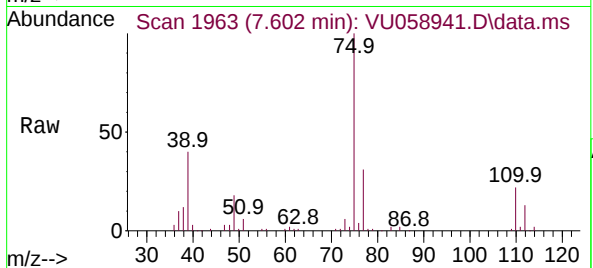




#39
cis-1,3-Dichloropropene
Concen: 5.568 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

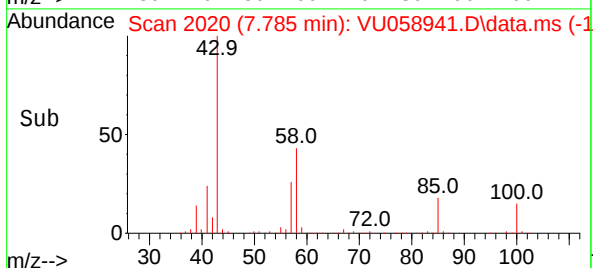
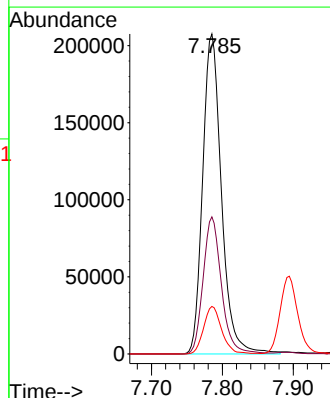
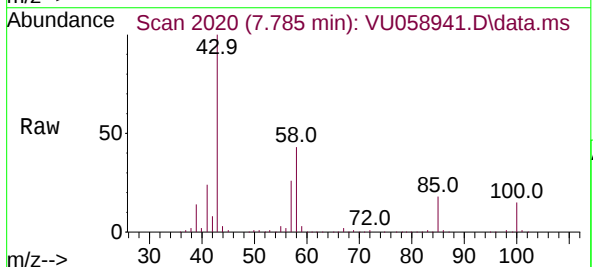
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

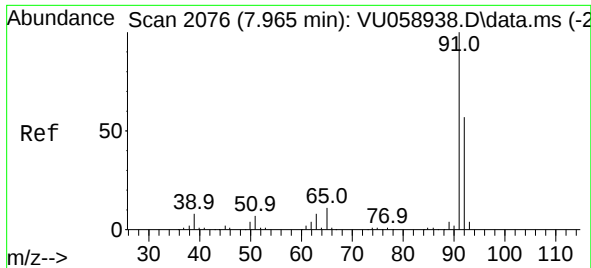
Tgt Ion: 75 Resp: 92151
Ion Ratio Lower Upper
75 100
77 31.5 22.0 40.8



#40
4-Methyl-2-pentanone
Concen: 60.880 ug/L
RT: 7.785 min Scan# 2020
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion: 43 Resp: 382096
Ion Ratio Lower Upper
43 100
58 41.8 34.0 51.0
100 14.4 12.1 18.1





#42

Toluene

Concen: 6.097 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Instrument :

MSVOA_U

ClientSampleId :

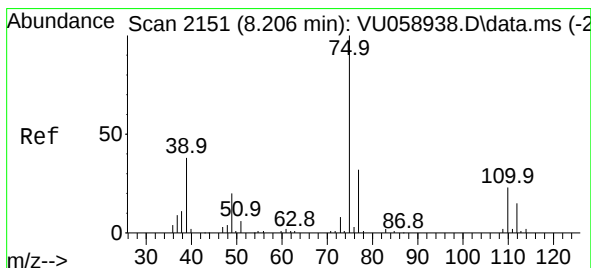
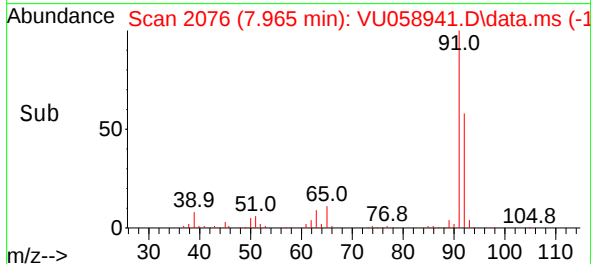
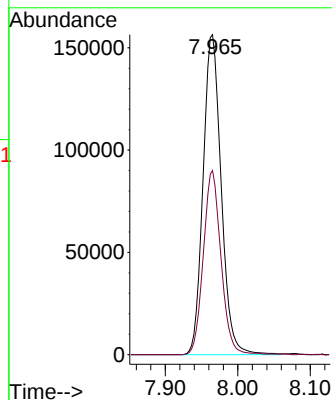
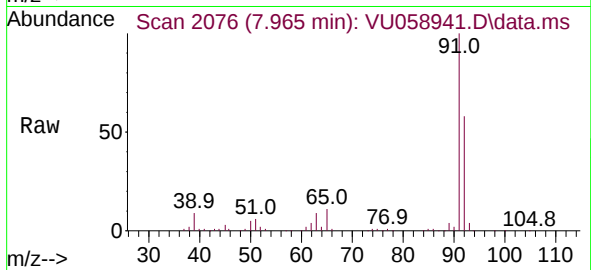
VSTD005109

Tgt Ion: 91 Resp: 272031

Ion Ratio Lower Upper

91 100

92 57.5 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 5.948 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU058941.D

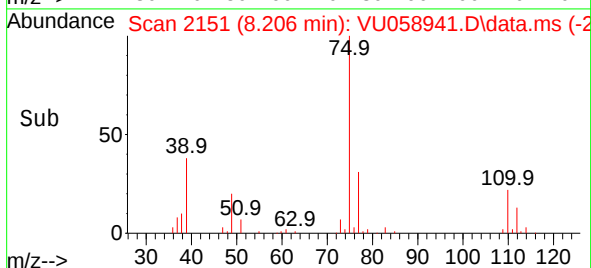
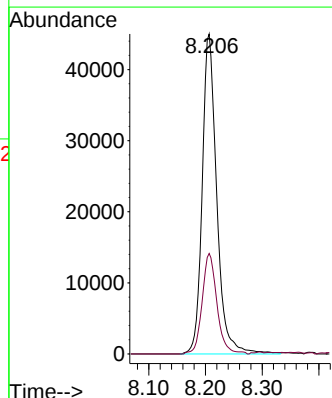
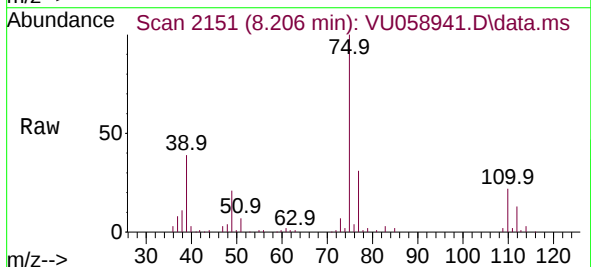
Acq: 22 May 2024 14:11

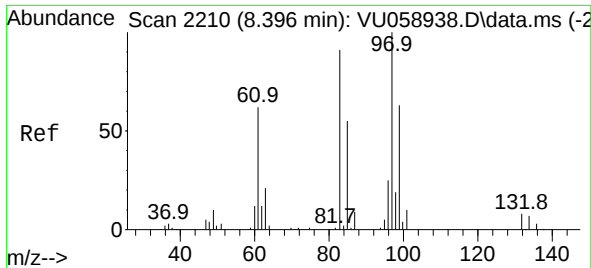
Tgt Ion: 75 Resp: 80312

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



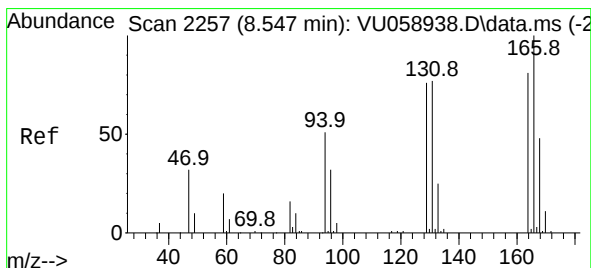
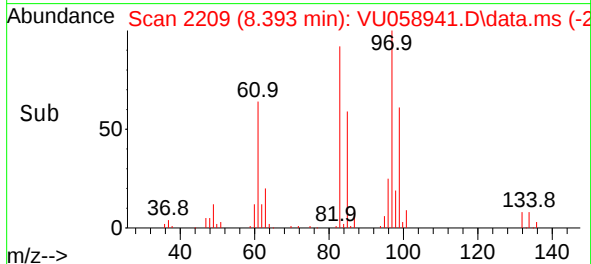
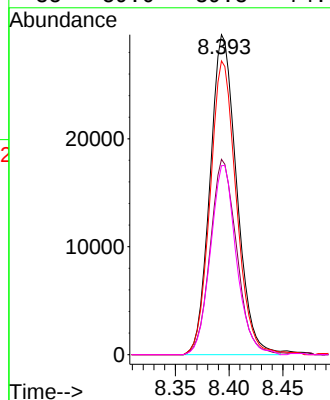
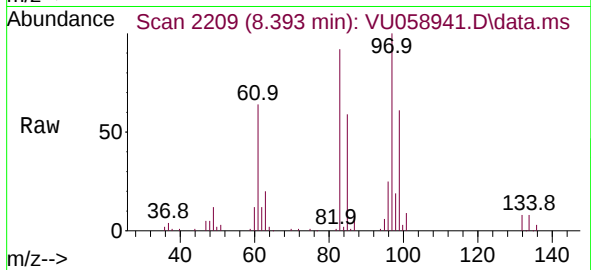


#45
1,1,2-Trichloroethane
Concen: 5.971 ug/L
RT: 8.393 min Scan# 2210
Delta R.T. -0.003 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

Tgt Ion: 97 Resp: 51008

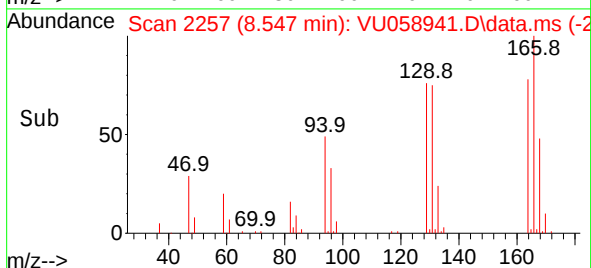
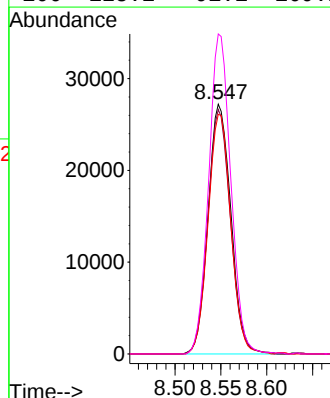
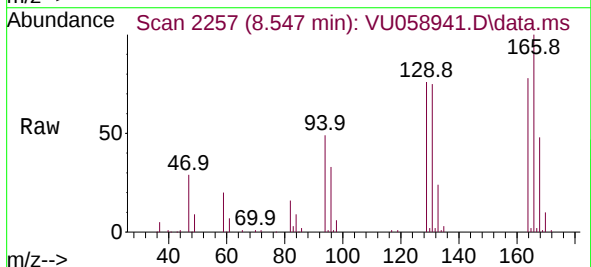
Ion	Ratio	Lower	Upper
97	100		
99	61.1	43.3	80.3
83	91.8	62.3	115.7
85	59.0	39.8	74.0

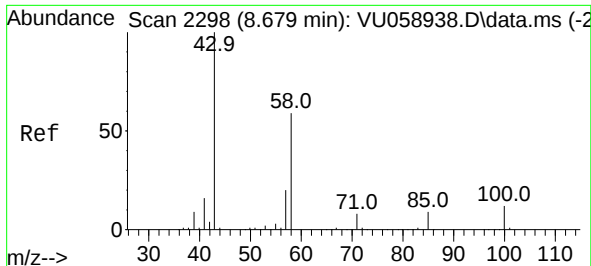


#47
Tetrachloroethene
Concen: 5.867 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion: 164 Resp: 47298

Ion	Ratio	Lower	Upper
164	100		
129	97.8	70.8	131.4
131	96.0	64.8	120.3
166	128.1	91.1	169.1





#48

2-Hexanone

Concen: 62.537 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

Tgt Ion: 43 Resp: 282850

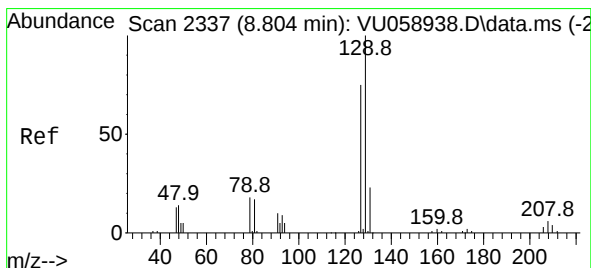
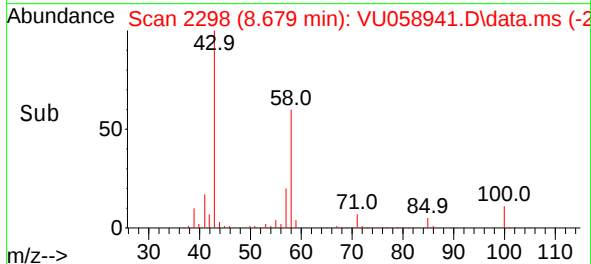
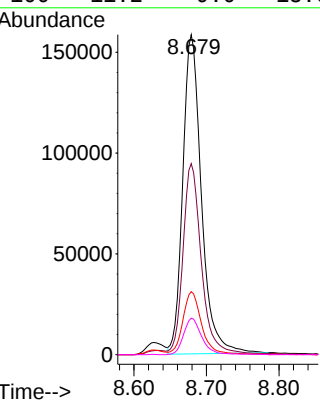
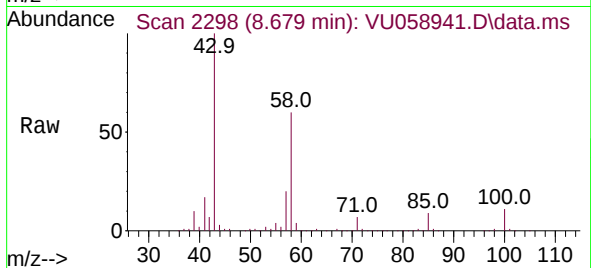
Ion Ratio Lower Upper

43 100

58 58.5 46.1 69.1

57 19.6 15.5 23.3

100 11.2 9.0 13.6



#49

Dibromochloromethane

Concen: 5.938 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VU058941.D

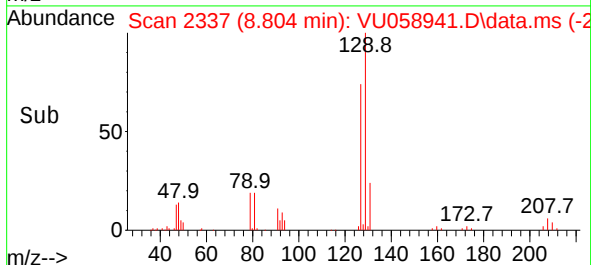
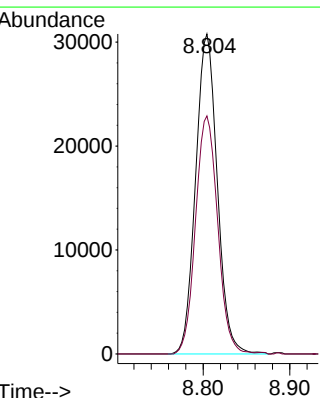
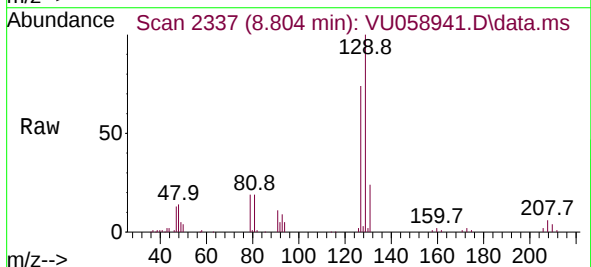
Acq: 22 May 2024 14:11

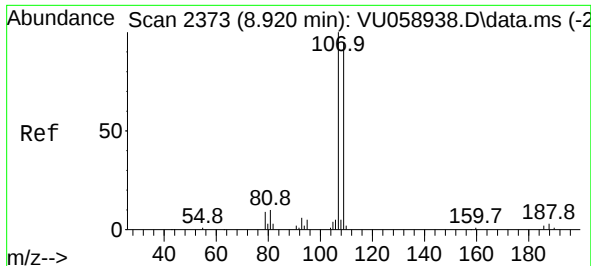
Tgt Ion:129 Resp: 53491

Ion Ratio Lower Upper

129 100

127 74.4 52.5 97.5





#50

1,2-Dibromoethane

Concen: 5.881 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.003 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

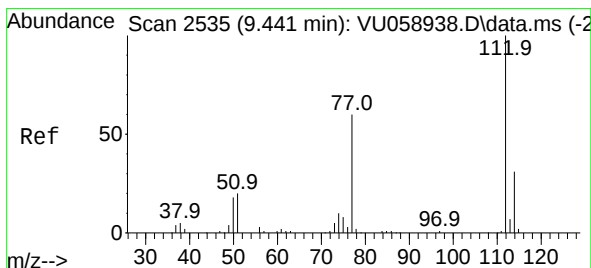
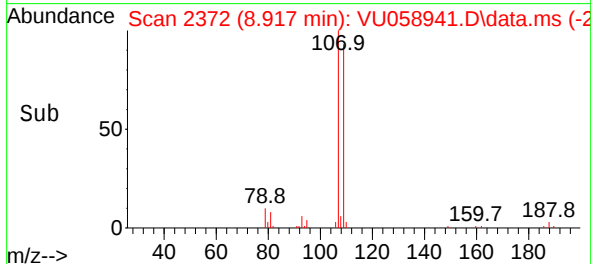
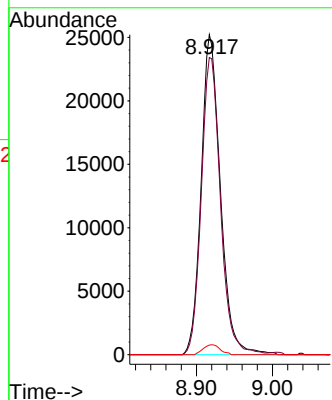
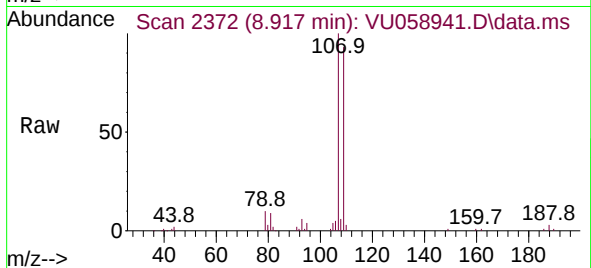
Tgt Ion:107 Resp: 44394

Ion Ratio Lower Upper

107 100

109 92.9 66.9 124.3

188 3.0 2.7 4.1



#51

Chlorobenzene

Concen: 5.826 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

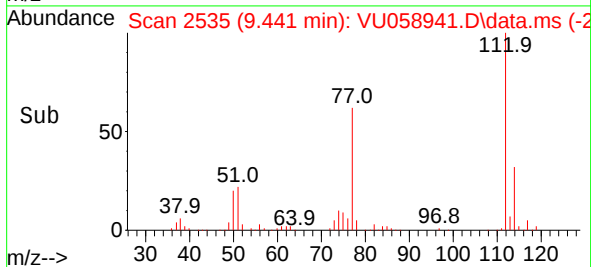
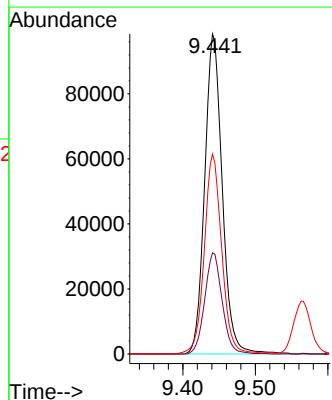
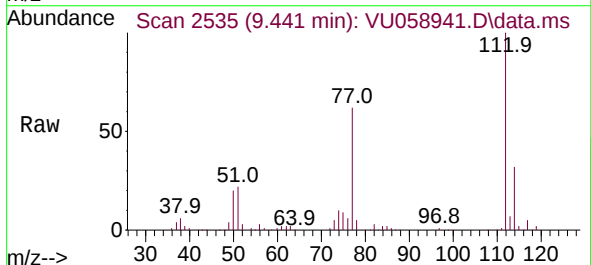
Tgt Ion:112 Resp: 165654

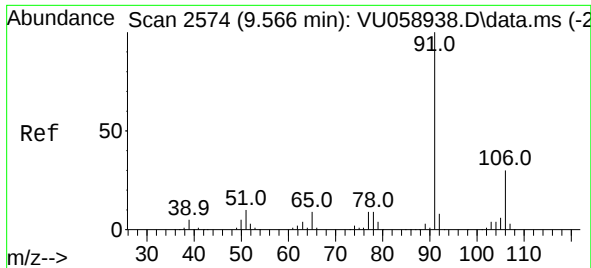
Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

77 62.5 49.1 73.7

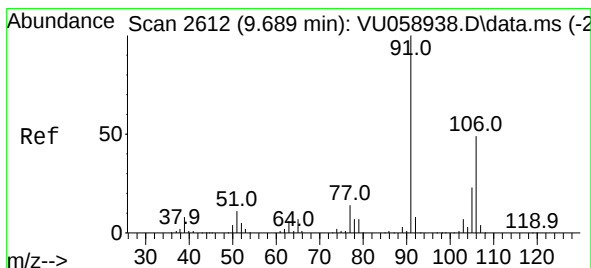
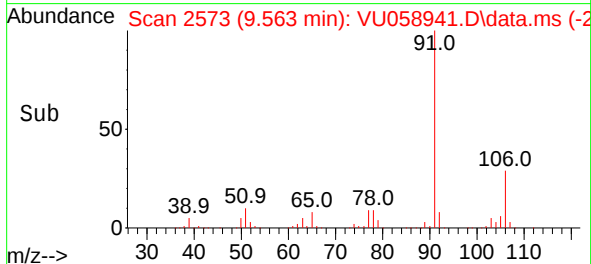
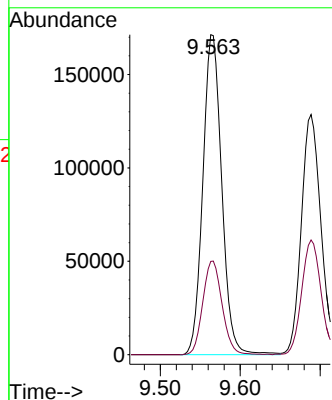
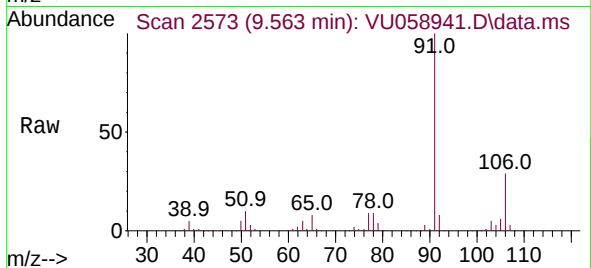




#52
Ethylbenzene
Concen: 5.855 ug/L
RT: 9.563 min Scan# 2574
Delta R.T. -0.003 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

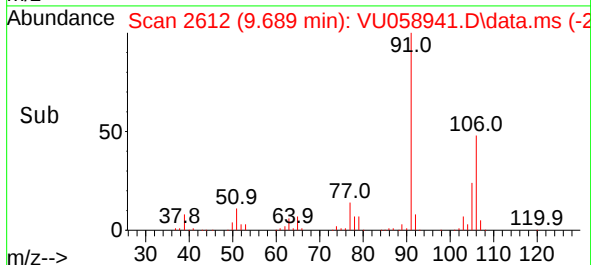
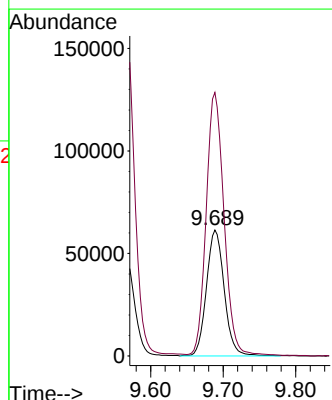
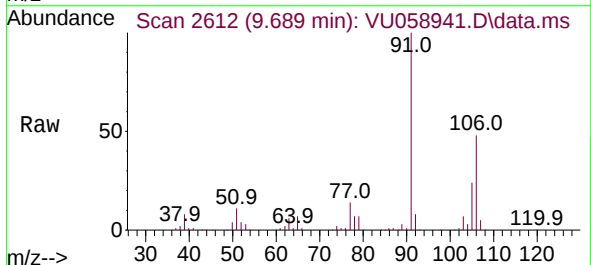
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

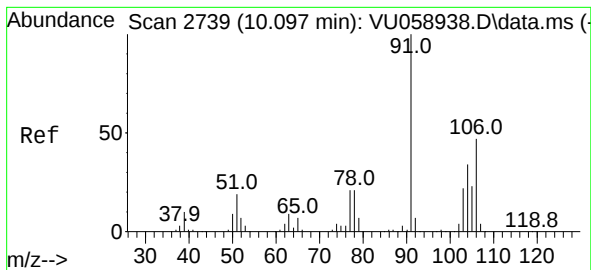
Tgt Ion: 91 Resp: 282038
Ion Ratio Lower Upper
91 100
106 29.2 20.9 38.7



#53
m,p-Xylene
Concen: 5.941 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion: 106 Resp: 104743
Ion Ratio Lower Upper
106 100
91 209.2 142.0 263.8





#54

o-Xylene

Concen: 5.736 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Instrument :

MSVOA_U

ClientSampleId :

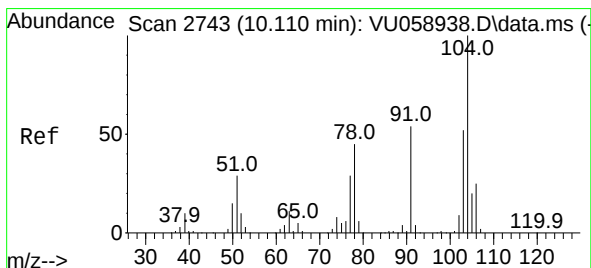
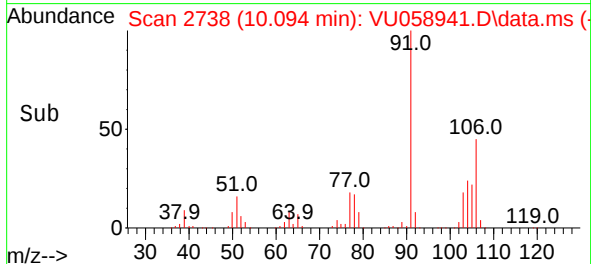
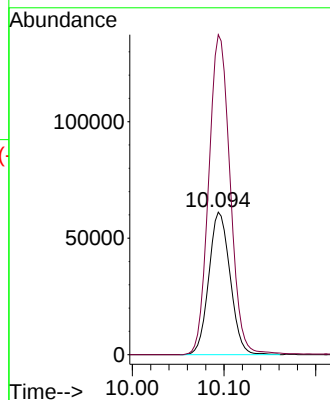
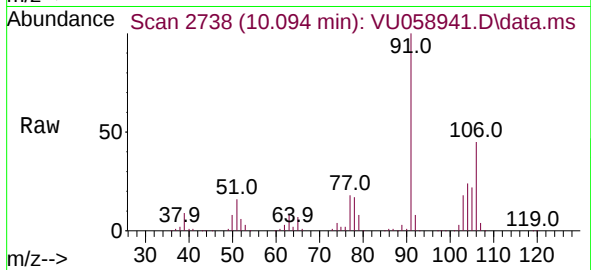
VSTD005109

Tgt Ion:106 Resp: 98895

Ion Ratio Lower Upper

106 100

91 224.4 151.6 281.6



#55

Styrene

Concen: 6.184 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU058941.D

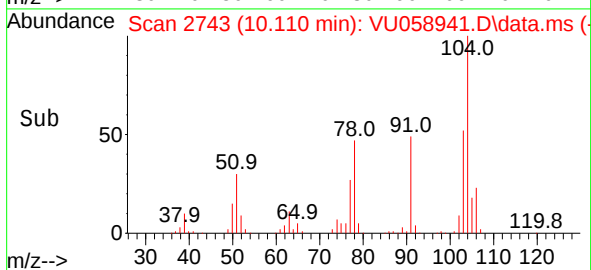
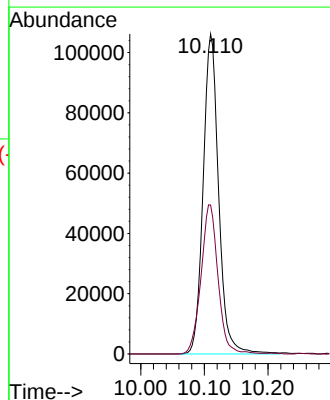
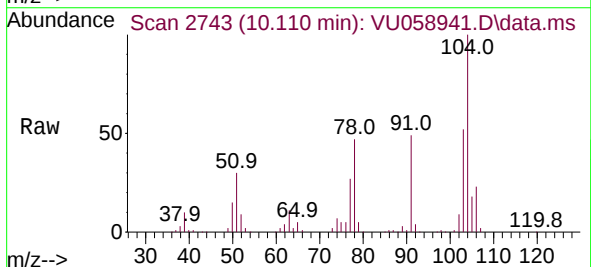
Acq: 22 May 2024 14:11

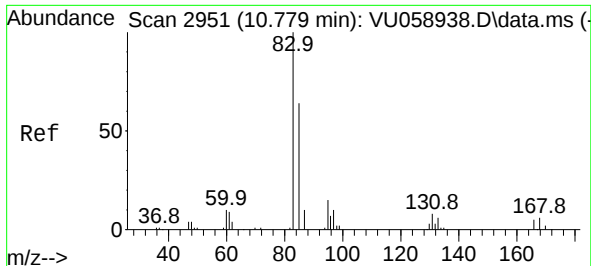
Tgt Ion:104 Resp: 179393

Ion Ratio Lower Upper

104 100

78 46.6 32.3 60.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.799 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

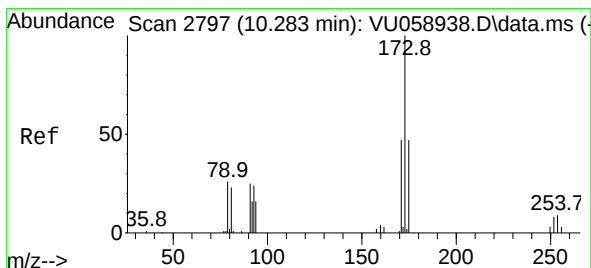
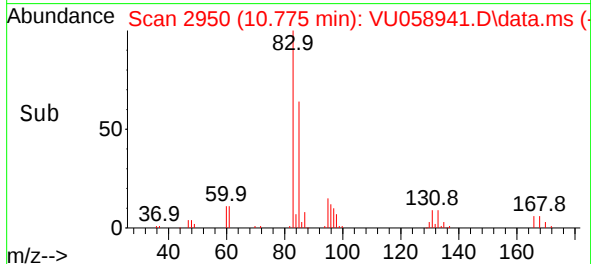
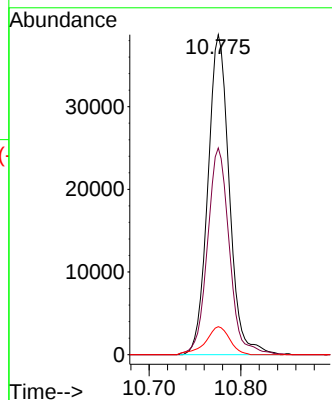
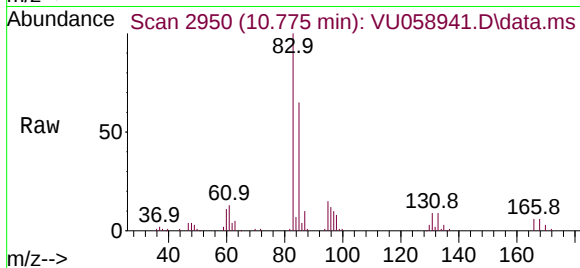
Tgt Ion: 83 Resp: 62807

Ion Ratio Lower Upper

83 100

85 64.6 44.7 82.9

131 8.8 6.9 10.3



#59

Bromoform

Concen: 5.444 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

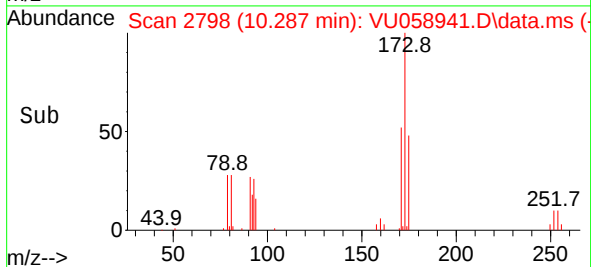
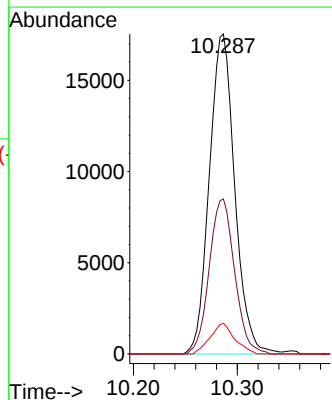
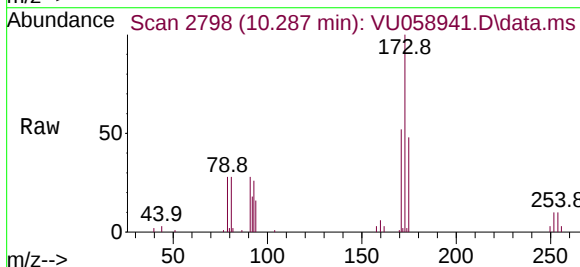
Tgt Ion:173 Resp: 29805

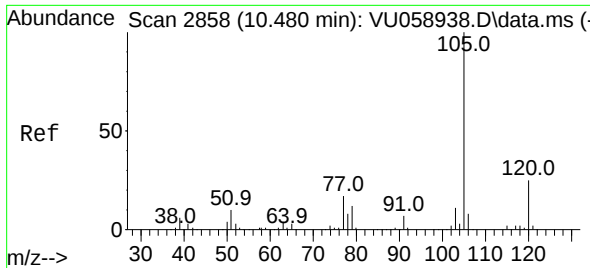
Ion Ratio Lower Upper

173 100

175 48.3 39.4 59.2

254 9.2 7.4 11.2

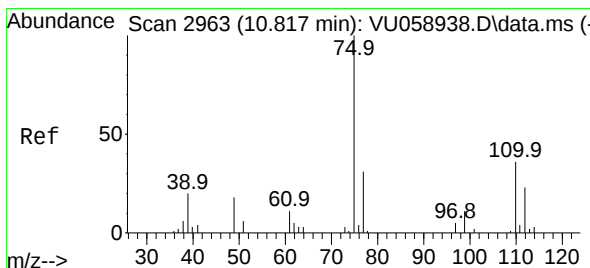
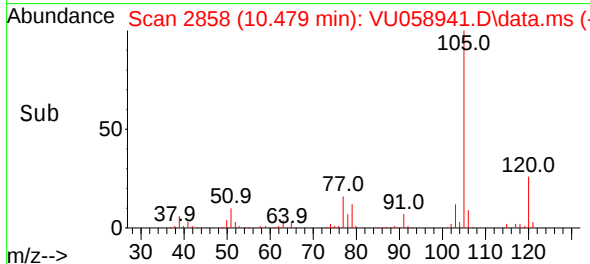
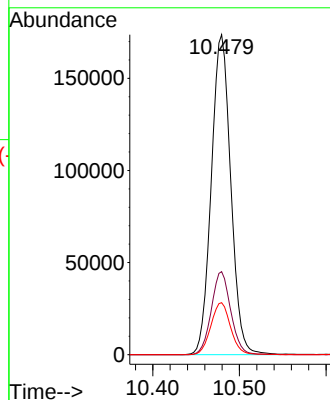
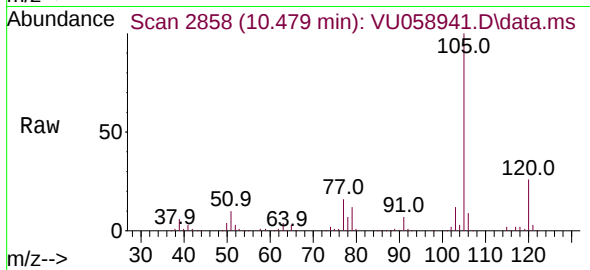




#60
Isopropylbenzene
Concen: 5.657 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

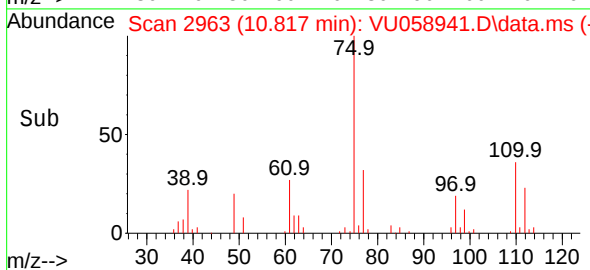
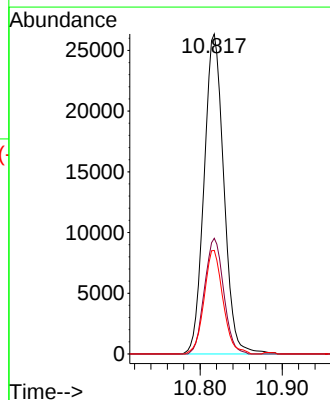
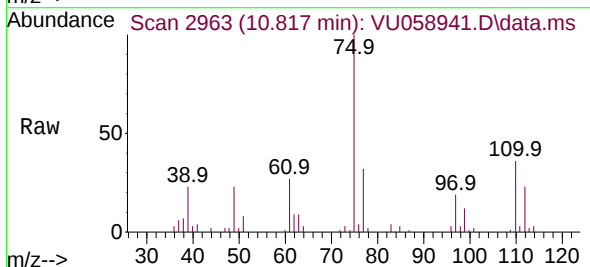
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

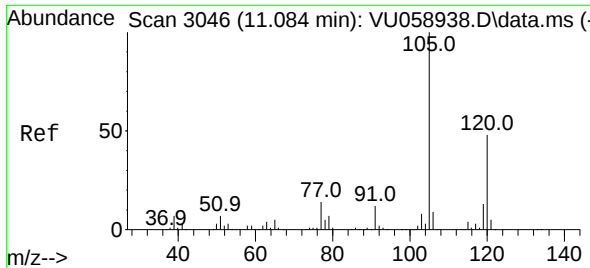
Tgt Ion:105 Resp: 271349
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.5 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 5.709 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion: 75 Resp: 44045
Ion Ratio Lower Upper
75 100
110 35.0 27.1 40.7
77 31.0 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 5.518 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Instrument :

MSVOA_U

ClientSampleId :

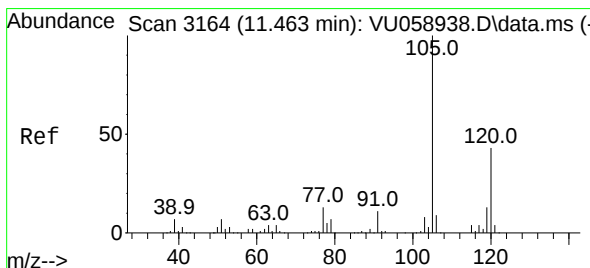
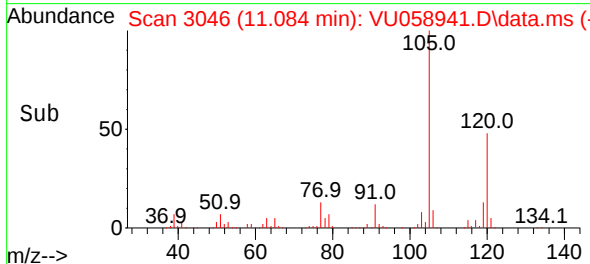
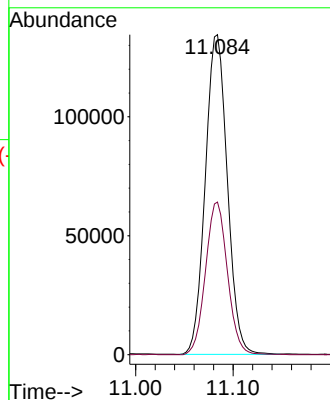
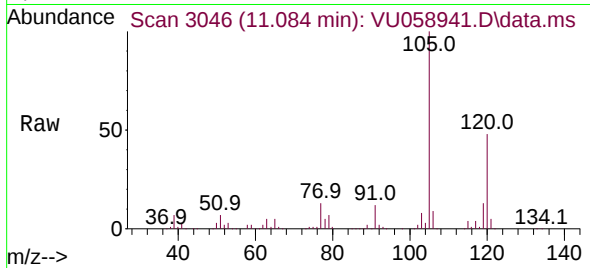
VSTD005109

Tgt Ion:105 Resp: 210950

Ion Ratio Lower Upper

105 100

120 47.6 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 5.737 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU058941.D

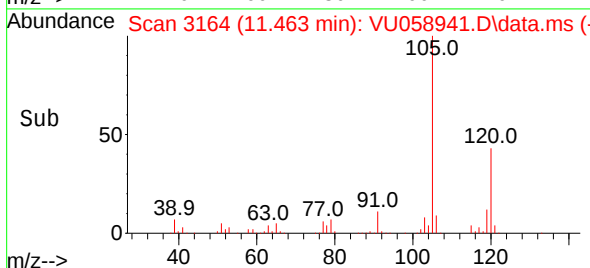
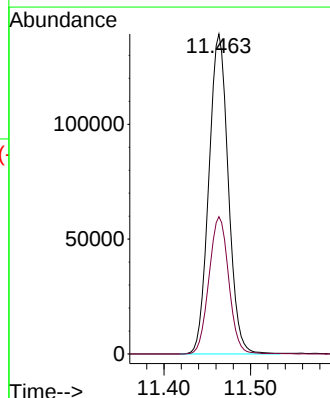
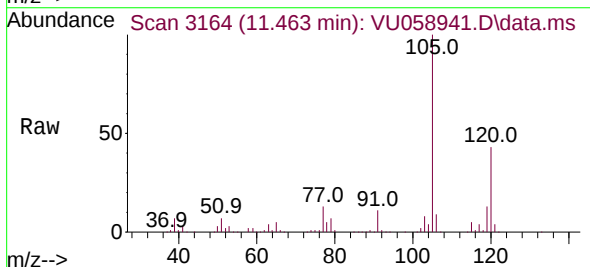
Acq: 22 May 2024 14:11

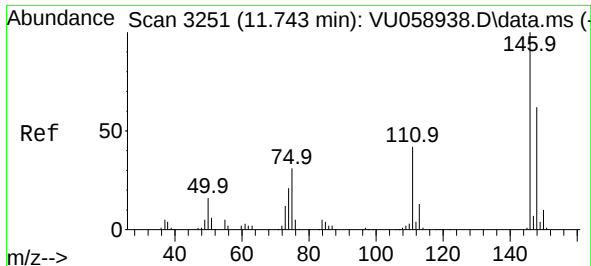
Tgt Ion:105 Resp: 217461

Ion Ratio Lower Upper

105 100

120 43.5 35.4 53.0

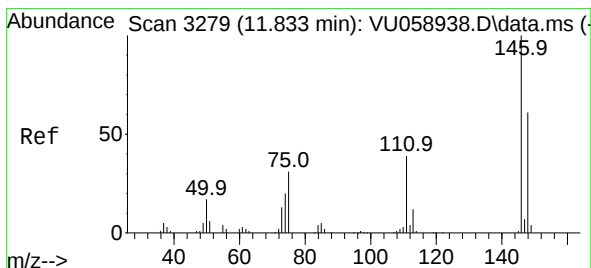
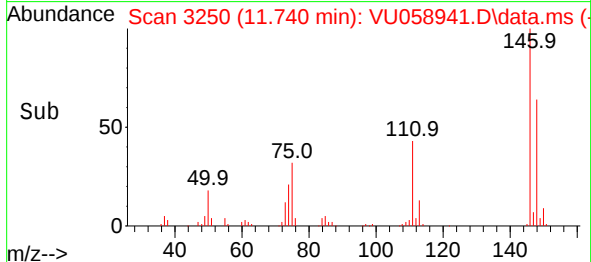
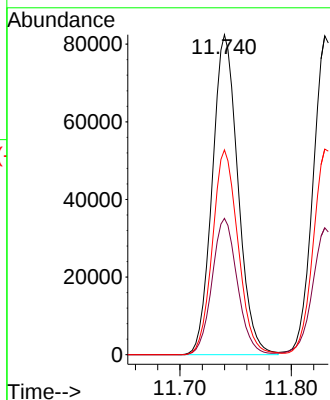
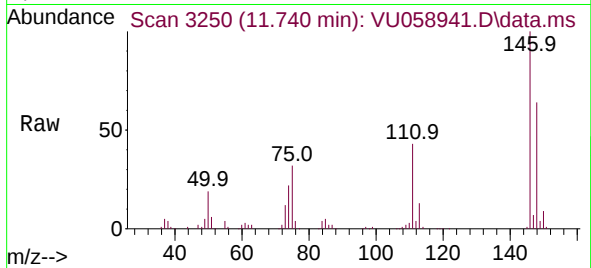




#64
1,3-Dichlorobenzene
Concen: 5.663 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

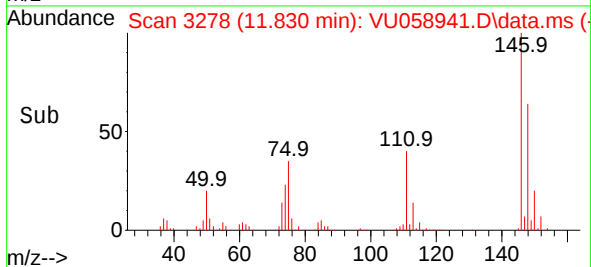
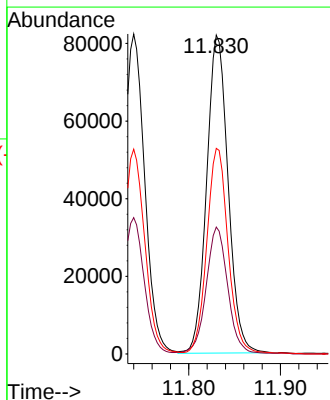
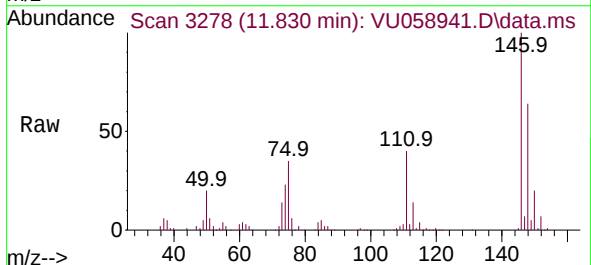
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

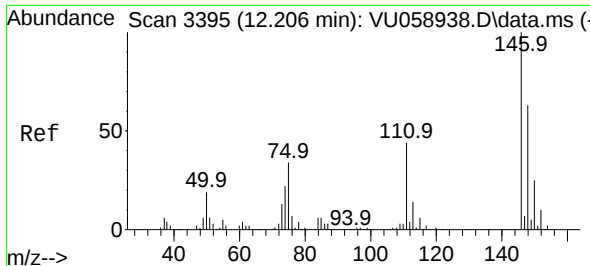
Tgt Ion:146 Resp: 132170
Ion Ratio Lower Upper
146 100
111 42.6 27.4 51.0
148 64.0 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 5.703 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

Tgt Ion:146 Resp: 132828
Ion Ratio Lower Upper
146 100
111 39.8 26.9 50.1
148 64.5 45.3 84.1

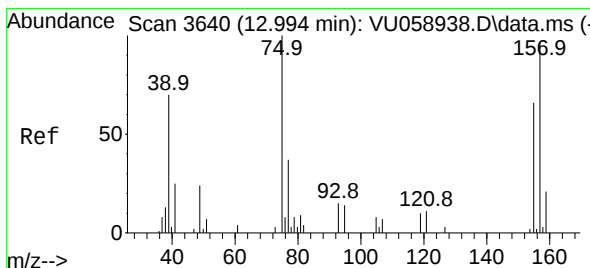
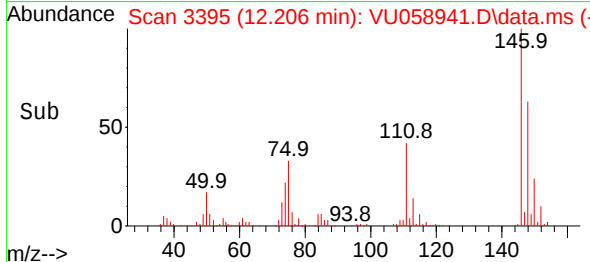
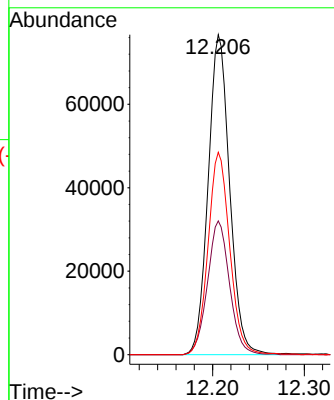
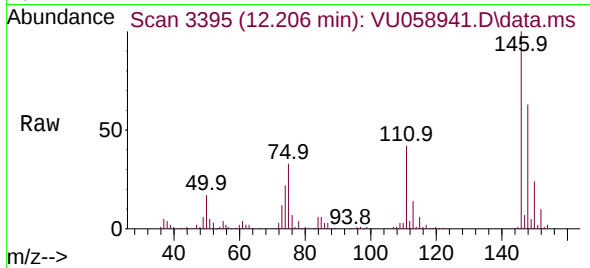




#67
1,2-Dichlorobenzene
Concen: 5.722 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

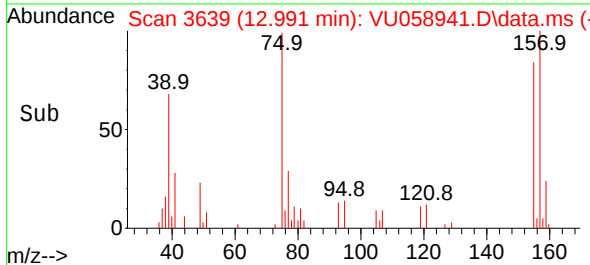
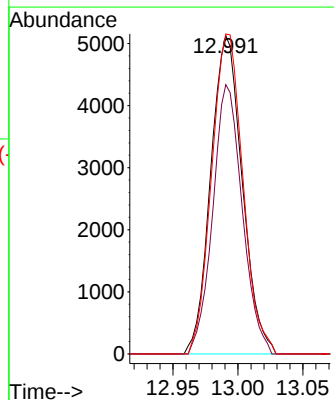
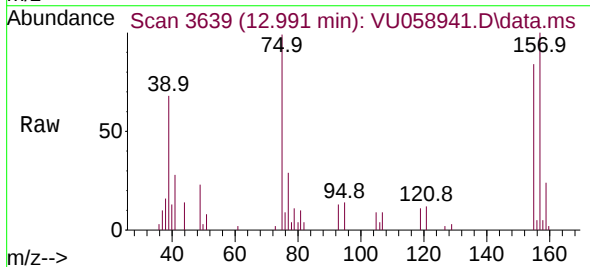
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

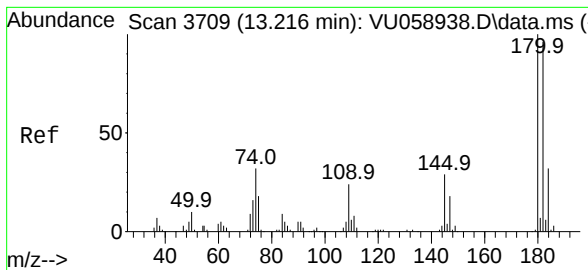
Tgt Ion:146 Resp: 124807
Ion Ratio Lower Upper
146 100
111 41.8 33.4 50.0
148 63.3 49.7 74.5



#68
1,2-Dibromo-3-chloropropane
Concen: 5.562 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.003 min
Lab File: VU058941.D
Acq: 22 May 2024 14:11

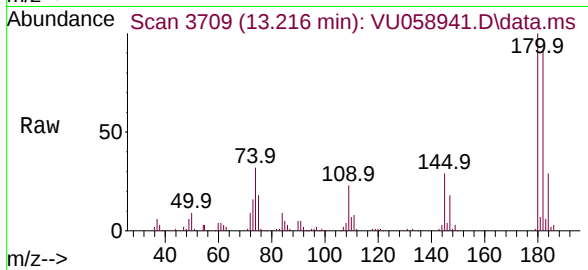
Tgt Ion: 75 Resp: 8632
Ion Ratio Lower Upper
75 100
155 84.6 58.2 87.2
157 100.5 80.0 120.0



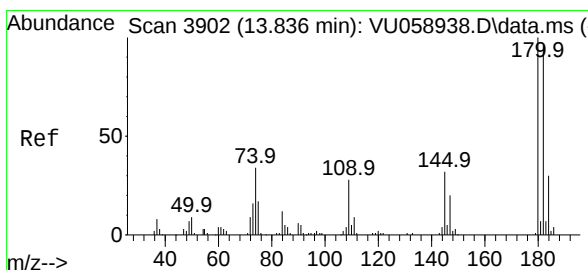
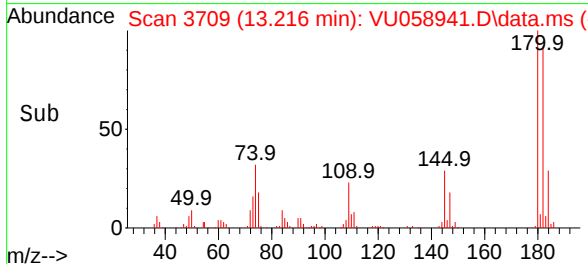
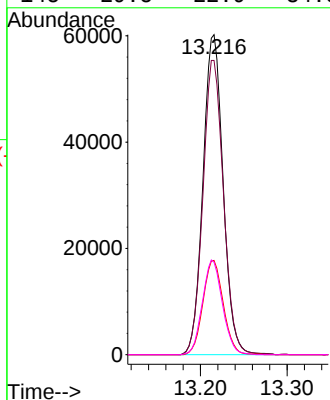


#69
 1,3,5-Trichlorobenzene
 Concen: 5.547 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU058941.D
 Acq: 22 May 2024 14:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

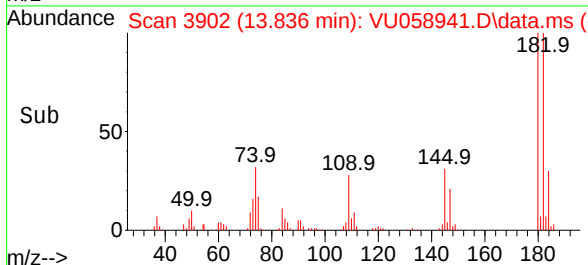
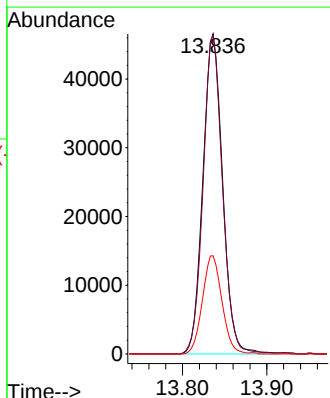
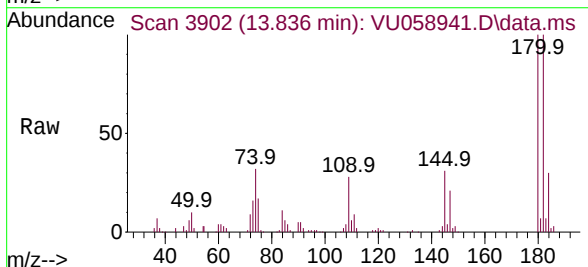


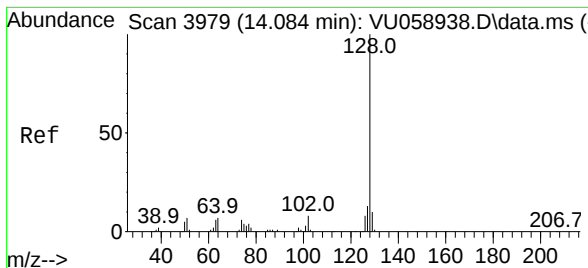
Tgt Ion:180 Resp: 97068
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.4 113.0
 184 29.7 23.0 34.6
 145 29.5 22.9 34.3



#70
 1,2,4-trichlorobenzene
 Concen: 5.259 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU058941.D
 Acq: 22 May 2024 14:11

Tgt Ion:180 Resp: 75950
 Ion Ratio Lower Upper
 180 100
 182 97.7 74.9 112.3
 145 30.3 23.9 35.9





#71

Naphthalene

Concen: 4.982 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

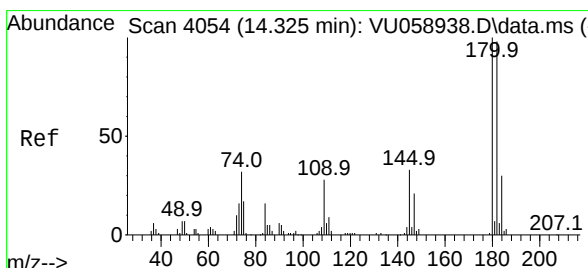
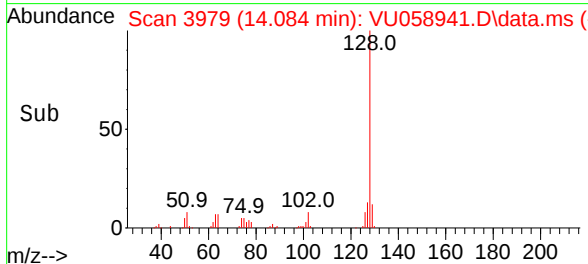
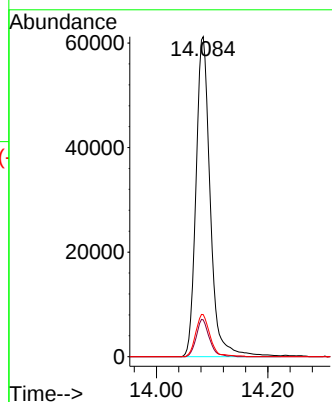
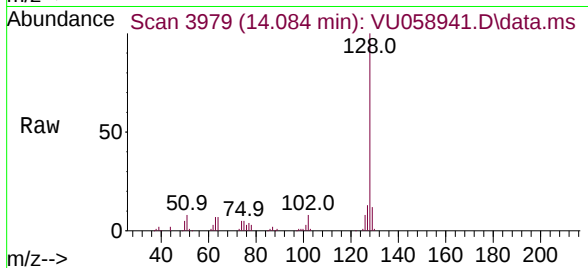
Tgt Ion:128 Resp: 108422

Ion Ratio Lower Upper

128 100

129 10.6 8.2 12.4

127 13.2 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.478 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU058941.D

Acq: 22 May 2024 14:11

Tgt Ion:180 Resp: 69415

Ion Ratio Lower Upper

180 100

182 94.1 77.0 115.6

145 32.8 26.2 39.4

