

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052324\
 Data File : VU058938.D
 Acq On : 22 May 2024 12:31
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Quant Time: May 23 06:09:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 18 00:11:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	146990	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	148841	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	77533	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	37749	4.240	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.800%
7) Chloroethane-d5	1.911	69	38006	4.722	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.563	65	15726	4.334	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.600%
20) 2-Butanone-d5	4.628	46	128664	55.581	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.160%
24) Chloroform-d	5.055	84	93019	5.173	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
26) 1,2-Dichloroethane-d4	5.698	65	45814	4.958	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.724	84	168244	4.924	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
36) 1,2-Dichloropropane-d6	6.685	67	57329	5.036	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.894	98	143952	4.629	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	8.177	79	19377	4.960	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.200%
46) 2-Hexanone-d5	8.628	63	98817	52.708	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.420%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	49597	5.045	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	54481	4.672	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	54804	5.096	ug/L	100
3) Chloromethane	1.518	50	65936	5.266	ug/L	100
5) Vinyl chloride	1.602	62	70578	5.261	ug/L	100
6) Bromomethane	1.856	94	40896	4.893	ug/L	96
8) Chloroethane	1.933	64	44961	5.274	ug/L	97
9) Trichlorofluoromethane	2.136	101	87094	5.062	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	54567	5.233	ug/L	99
12) 1,1-Dichloroethene	2.580	96	47834	5.224	ug/L	88
13) Acetone	2.641	43	91596	57.248	ug/L	98
14) Carbon disulfide	2.792	76	142494	4.911	ug/L	100
15) Methyl Acetate	2.956	43	20360	5.120	ug/L	98
16) Methylene chloride	3.039	84	62835	5.058	ug/L	97
17) Methyl tert-butyl Ether	3.358	73	118686	4.986	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	49831	5.168	ug/L	98
19) 1,1-Dichloroethane	3.862	63	109601	5.438	ug/L	96
21) 2-Butanone	4.708	43	135589	52.836	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	58965	5.312	ug/L	94
23) Bromochloromethane	4.969	128	26013	5.306	ug/L	94
25) Chloroform	5.081	83	113734	5.400	ug/L	100

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 Data File : VU058938.D
 Acq On : 22 May 2024 12:31
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

Quant Time: May 23 06:09:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 18 00:11:42 2024
 Response via : Initial Calibration

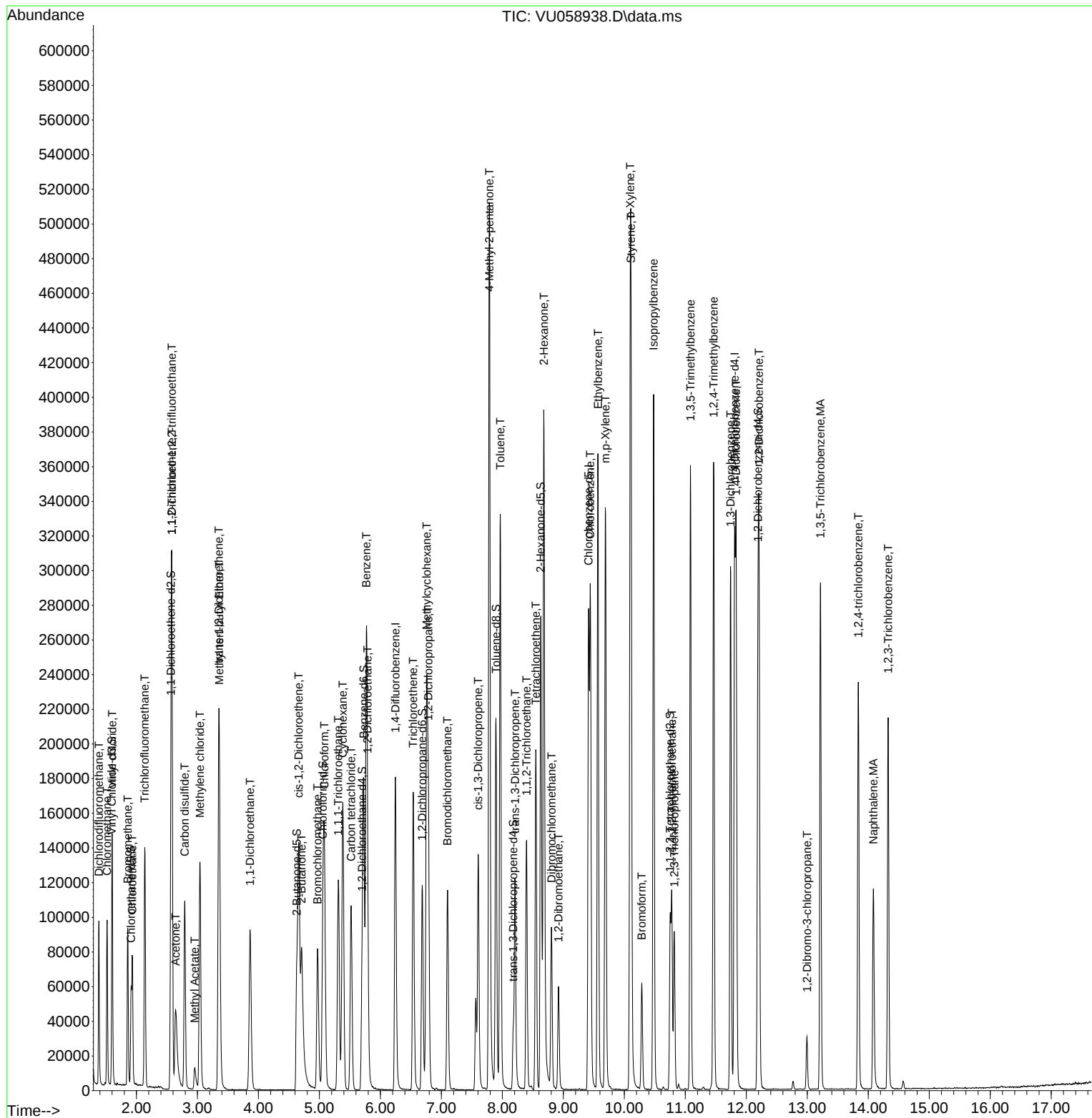
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	68884	5.353	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	88344	5.308	ug/L	99
30) Cyclohexane	5.383	56	78467	4.987	ug/L	97
31) Carbon tetrachloride	5.518	117	73730	5.311	ug/L	96
33) Benzene	5.769	78	236112	5.397	ug/L	100
34) Trichloroethene	6.538	95	60164	5.199	ug/L	96
35) Methylcyclohexane	6.759	83	82074	4.971	ug/L	100
37) 1,2-Dichloropropane	6.785	63	66531	5.357	ug/L	98
38) Bromodichloromethane	7.100	83	78700	5.287	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	85939	5.078	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	340445	53.039	ug/L	98
42) Toluene	7.965	91	247627	5.427	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	71781	5.198	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	45376	5.194	ug/L	98
47) Tetrachloroethene	8.547	164	42485	5.153	ug/L	95
48) 2-Hexanone	8.679	43	253438	54.790	ug/L	100
49) Dibromochloromethane	8.804	129	47955	5.205	ug/L	100
50) 1,2-Dibromoethane	8.920	107	40265	5.216	ug/L	99
51) Chlorobenzene	9.441	112	149661	5.147	ug/L	99
52) Ethylbenzene	9.566	91	255617	5.189	ug/L	99
53) m,p-Xylene	9.689	106	95339	5.288	ug/L	98
54) o-Xylene	10.097	106	92336	5.236	ug/L	99
55) Styrene	10.110	104	161402	5.441	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	57538	5.195	ug/L	99
59) Bromoform	10.283	173	27636	4.878	ug/L	99
60) Isopropylbenzene	10.480	105	247462	4.985	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	39798	4.985	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	192634	4.869	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	196469	5.008	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	123530	5.115	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	123493	5.123	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	112041	4.964	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	8330	5.187	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	89223	4.927	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	71401	4.778	ug/L	99
71) Naphthalene	14.084	128	102310	4.543	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	64044	4.884	ug/L	99

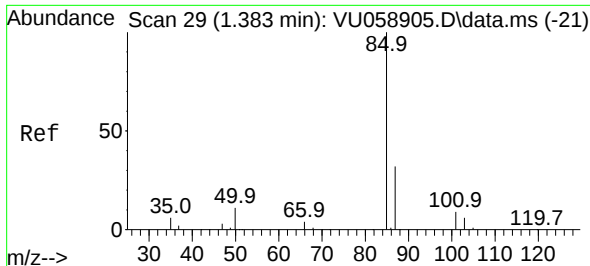
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052324\
Data File : VU058938.D
Acq On : 22 May 2024 12:31
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

Quant Time: May 23 06:09:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat May 18 00:11:42 2024
Response via : Initial Calibration

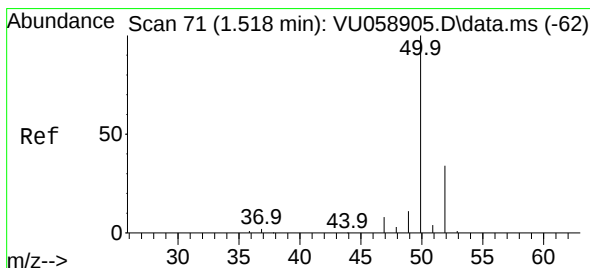
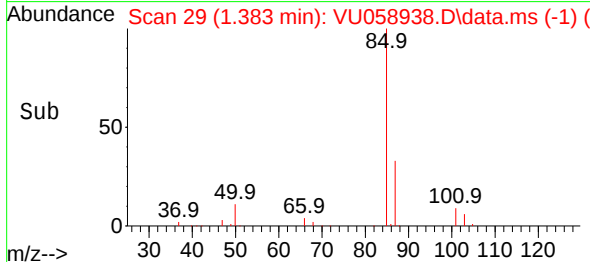
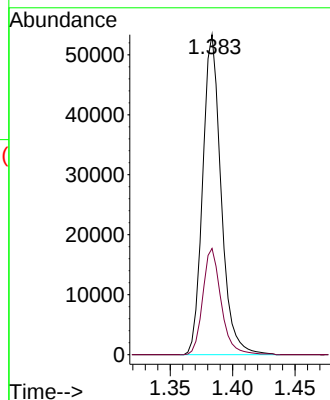
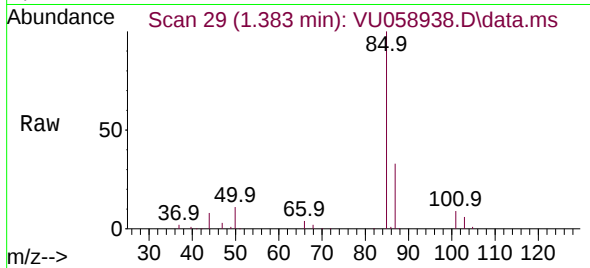




#2
 Dichlorodifluoromethane
 Concen: 5.096 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU058938.D
 Acq: 22 May 2024 12:31

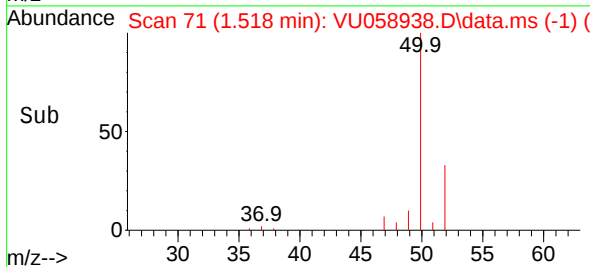
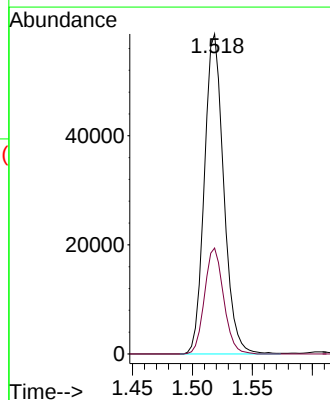
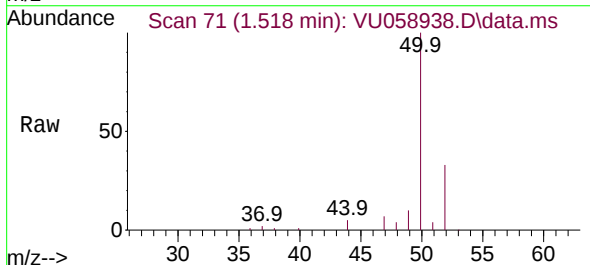
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

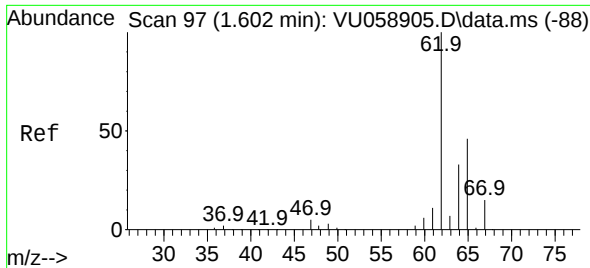
Tgt Ion: 85 Resp: 54804
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.6 40.0



#3
 Chloromethane
 Concen: 5.266 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU058938.D
 Acq: 22 May 2024 12:31

Tgt Ion: 50 Resp: 65936
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.2 43.0

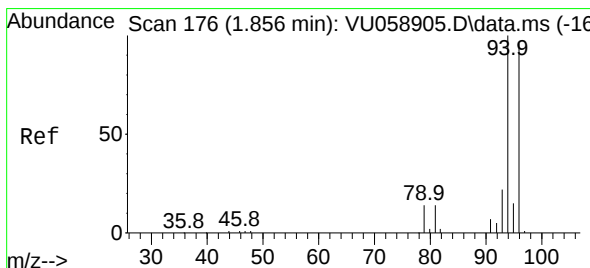
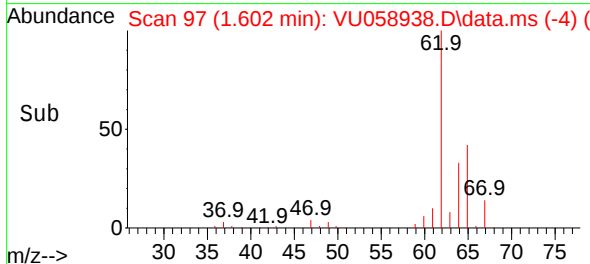
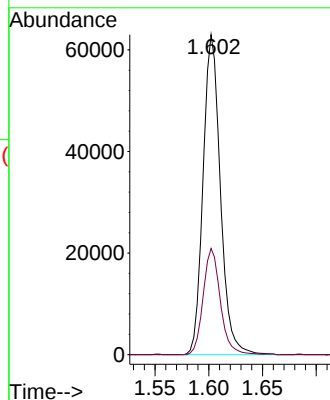
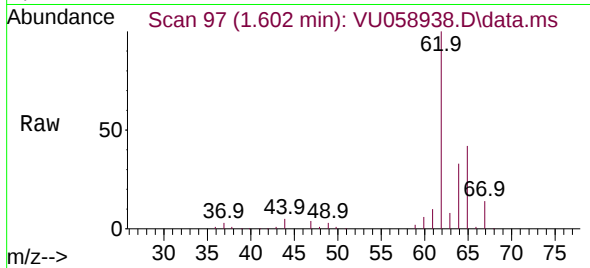




#5
 Vinyl chloride
 Concen: 5.261 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU058938.D
 Acq: 22 May 2024 12:31

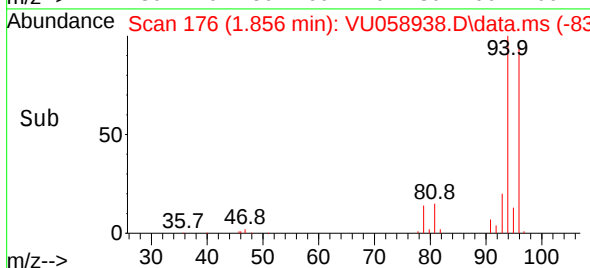
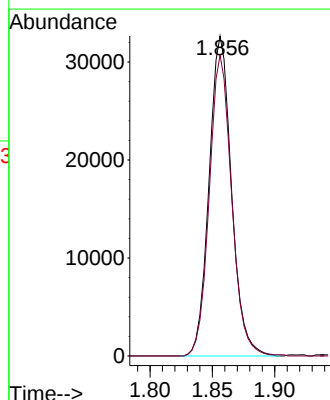
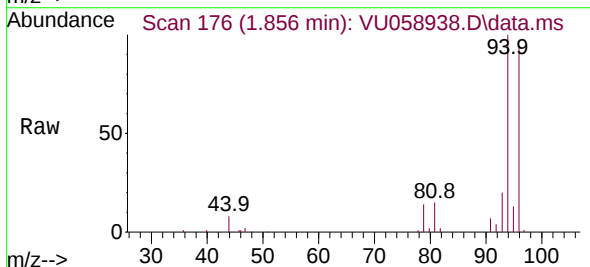
Instrument :
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 ClientSampleId :
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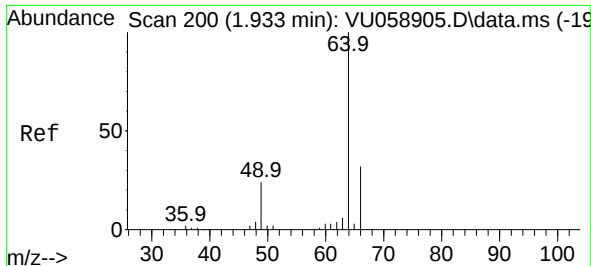
Tgt Ion: 62 Resp: 70578
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.1 42.9



#6
 Bromomethane
 Concen: 4.893 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU058938.D
 Acq: 22 May 2024 12:31

Tgt Ion: 94 Resp: 40896
 Ion Ratio Lower Upper
 94 100
 96 94.0 62.9 116.9

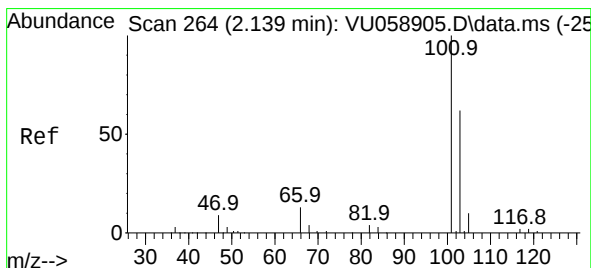
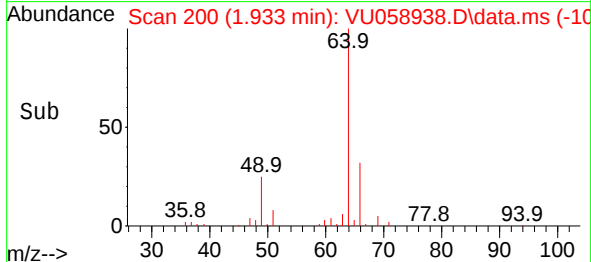
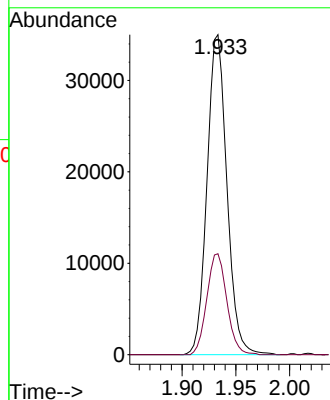
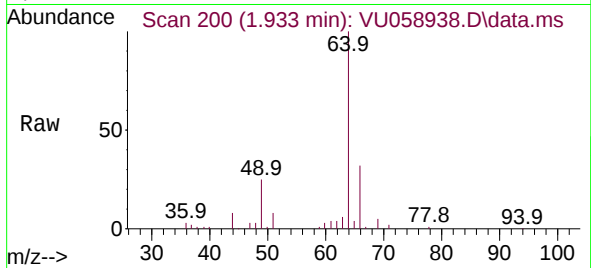




#8
Chloroethane
Concen: 5.274 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

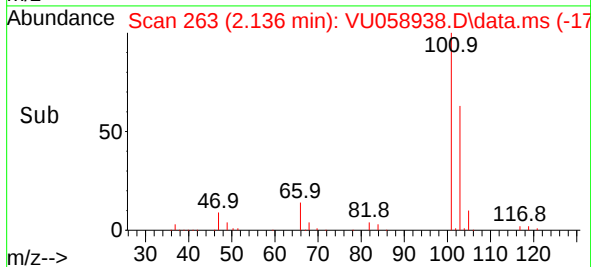
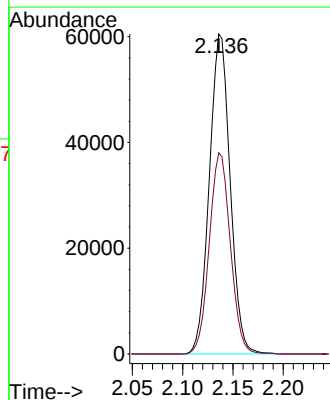
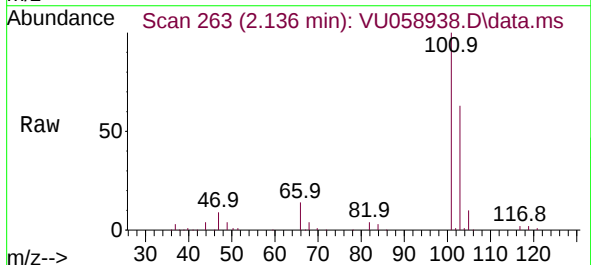
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

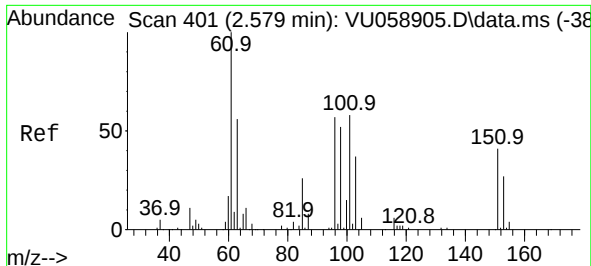
Tgt Ion: 64 Resp: 44961
Ion Ratio Lower Upper
64 100
66 31.6 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.062 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.003 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion:101 Resp: 87094
Ion Ratio Lower Upper
101 100
103 63.7 52.6 79.0

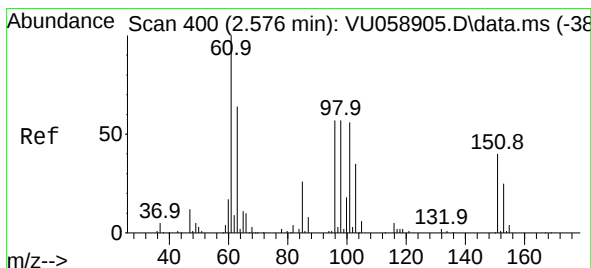
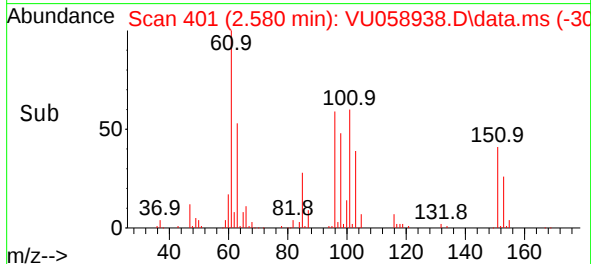
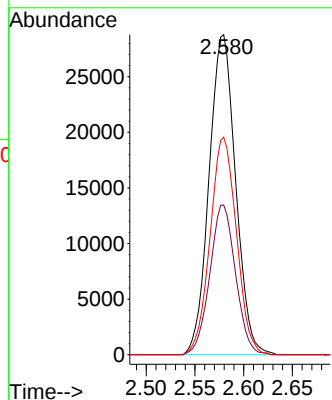
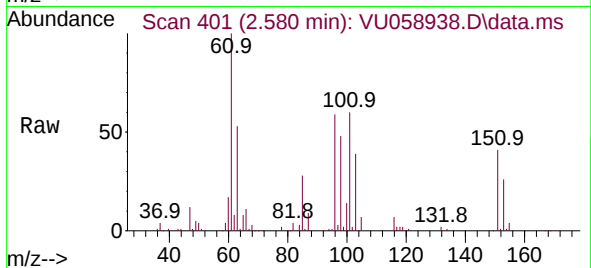




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.233 ug/L
RT: 2.580 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

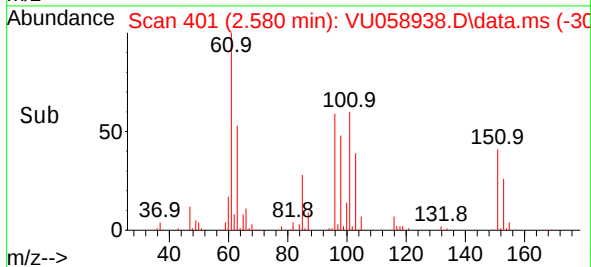
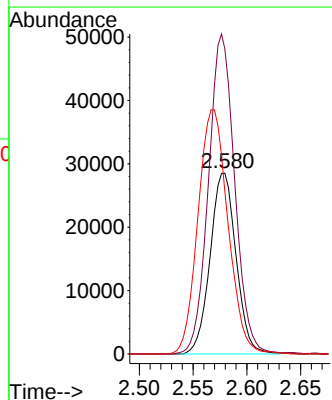
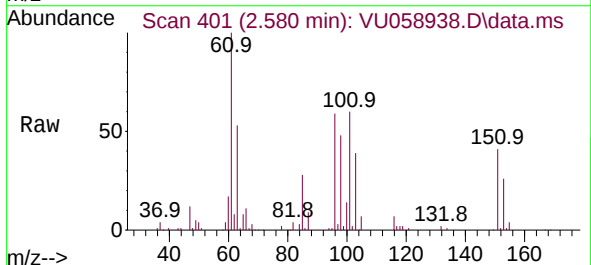
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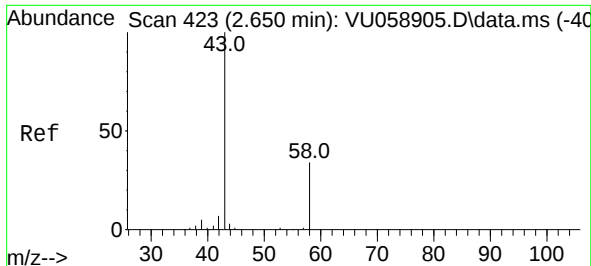
Tgt Ion:101 Resp: 54567
Ion Ratio Lower Upper
101 100
85 45.3 36.2 54.4
151 67.4 55.5 83.3



#12
1,1-Dichloroethene
Concen: 5.224 ug/L
RT: 2.580 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 96 Resp: 47834
Ion Ratio Lower Upper
96 100
61 168.8 122.9 228.3
63 90.0 80.4 149.4





#13

Acetone

Concen: 57.248 ug/L

RT: 2.641 min Scan# 41

Delta R.T. -0.009 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

Instrument :

MSVOA_U

ClientSampleId :

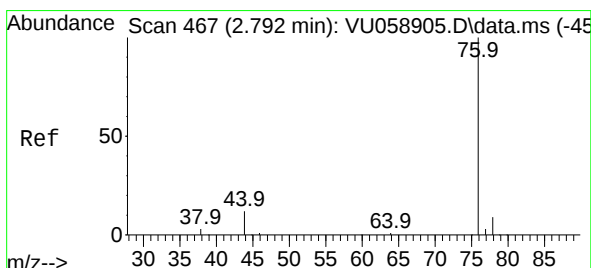
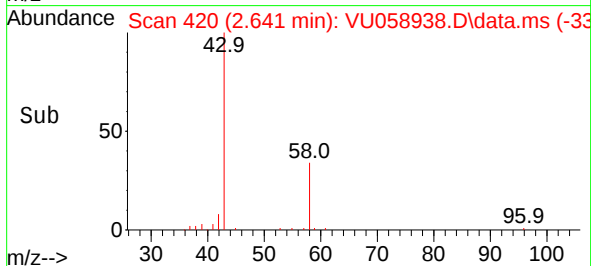
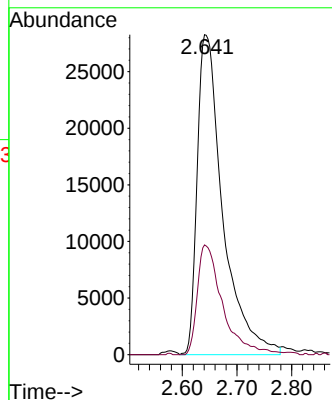
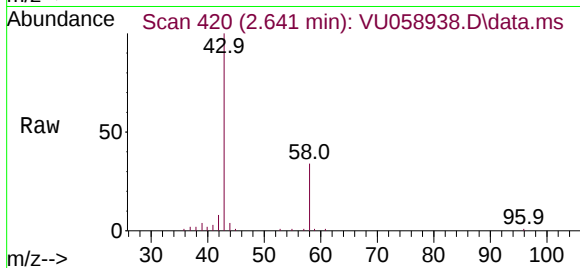
VSTD005108

Tgt Ion: 43 Resp: 91596

Ion Ratio Lower Upper

43 100

58 33.0 0.0 68.0



#14

Carbon disulfide

Concen: 4.911 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU058938.D

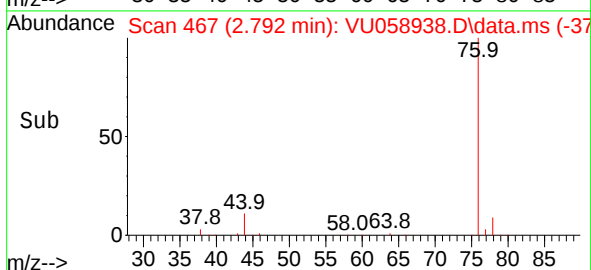
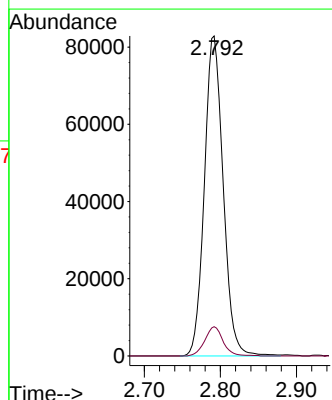
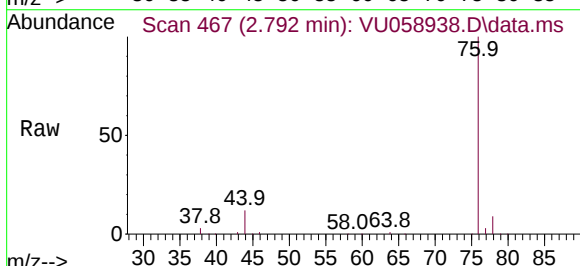
Acq: 22 May 2024 12:31

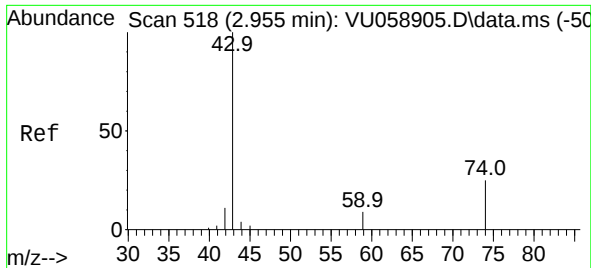
Tgt Ion: 76 Resp: 142494

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 5.120 ug/L

RT: 2.956 min Scan# 518

Delta R.T. 0.000 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

Instrument :

MSVOA_U

ClientSampleId :

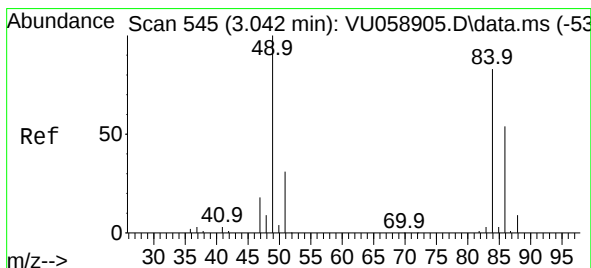
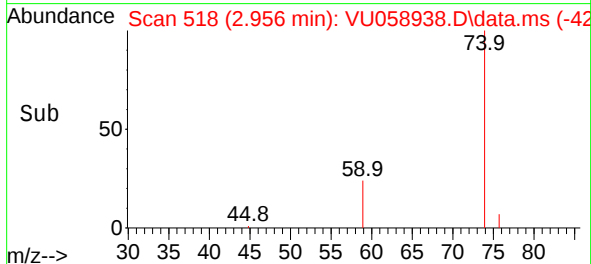
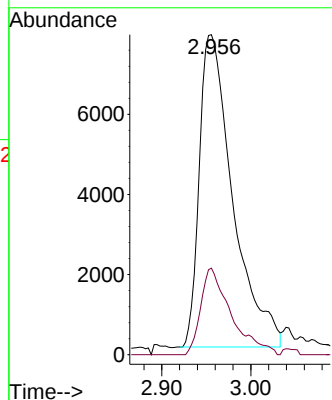
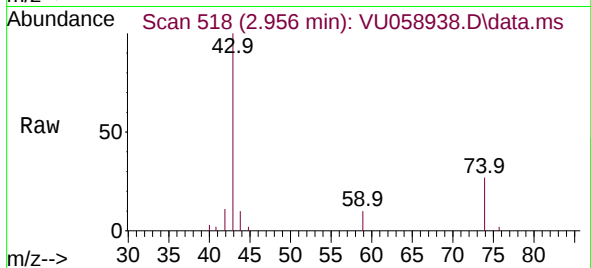
VSTD005108

Tgt Ion: 43 Resp: 20360

Ion Ratio Lower Upper

43 100

74 25.1 19.2 28.8



#16

Methylene chloride

Concen: 5.058 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.003 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

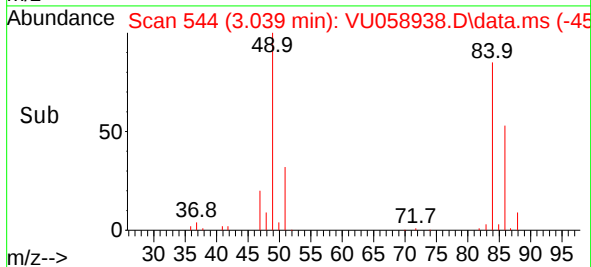
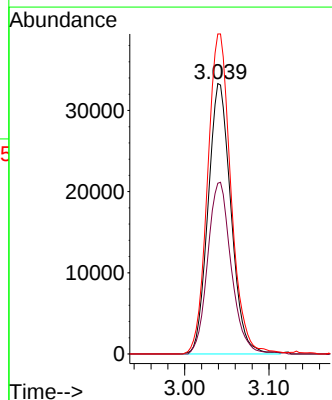
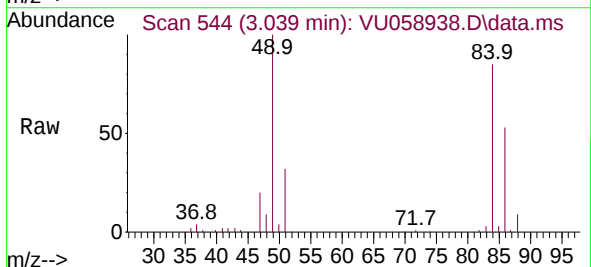
Tgt Ion: 84 Resp: 62835

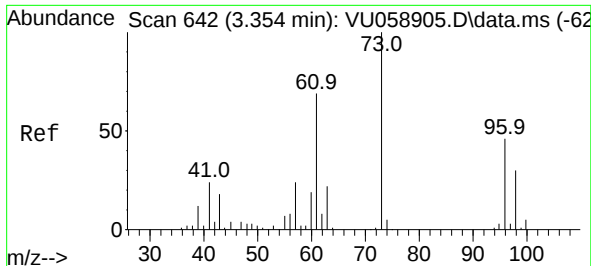
Ion Ratio Lower Upper

84 100

86 63.1 42.1 78.1

49 118.3 80.6 149.8

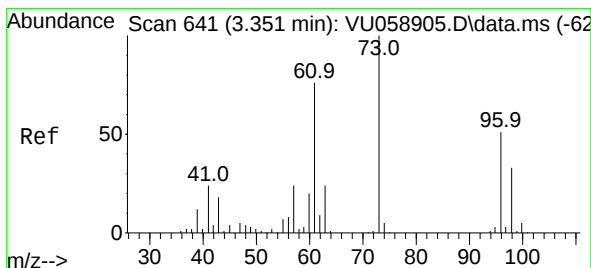
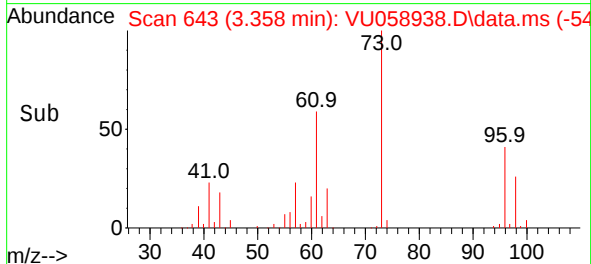
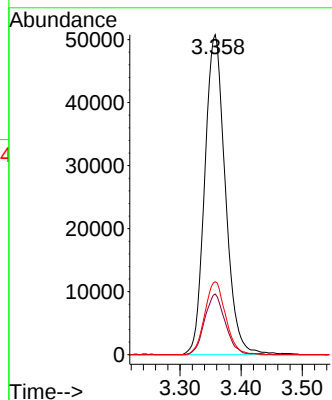
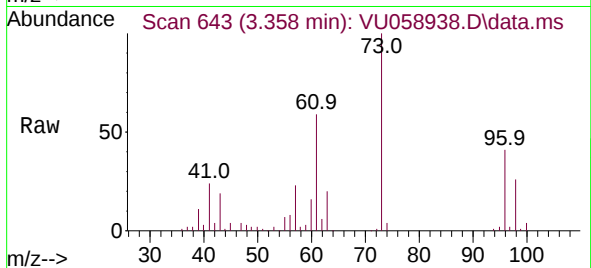




#17
Methyl tert-butyl Ether
Concen: 4.986 ug/L
RT: 3.358 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

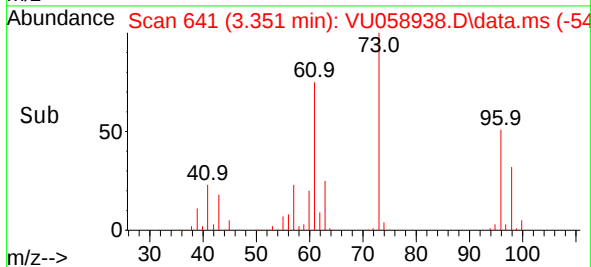
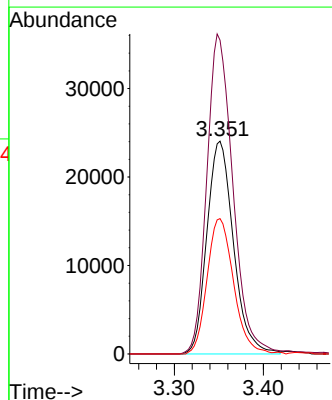
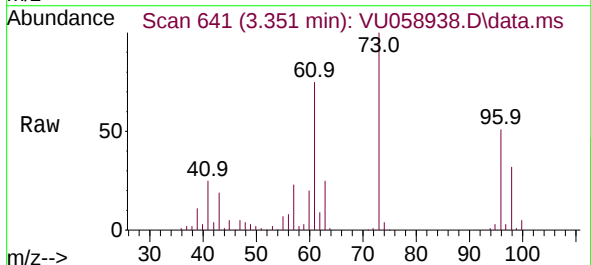
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

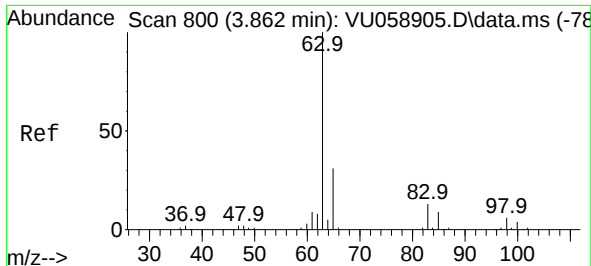
Tgt Ion: 73 Resp: 118686
Ion Ratio Lower Upper
73 100
43 19.2 14.9 22.3
57 23.1 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 5.168 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 96 Resp: 49831
Ion Ratio Lower Upper
96 100
61 147.5 101.8 189.0
98 63.6 43.3 80.5

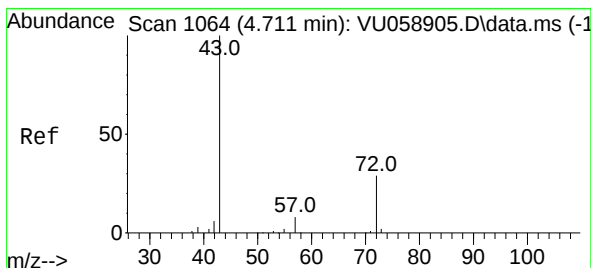
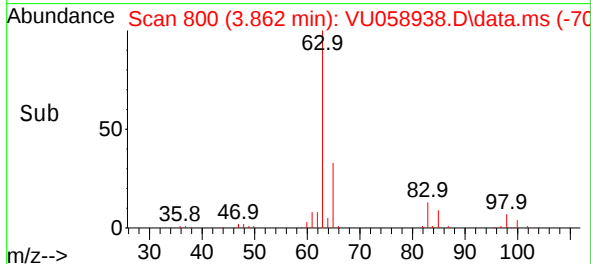
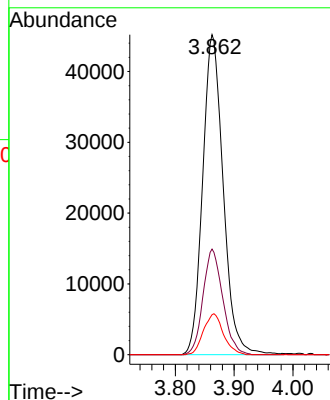
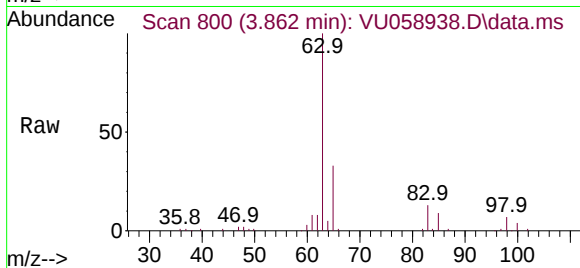




#19
1,1-Dichloroethane
Concen: 5.438 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

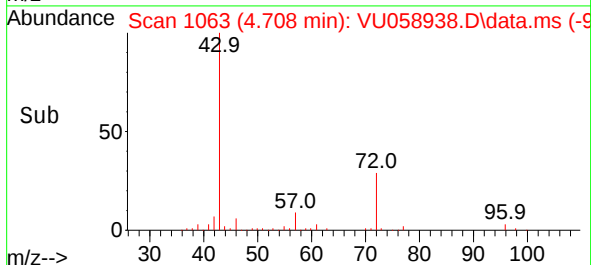
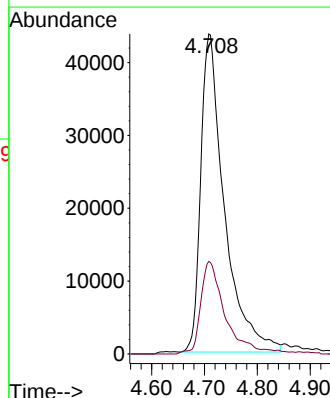
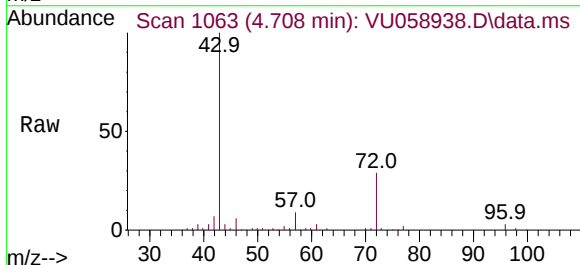
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

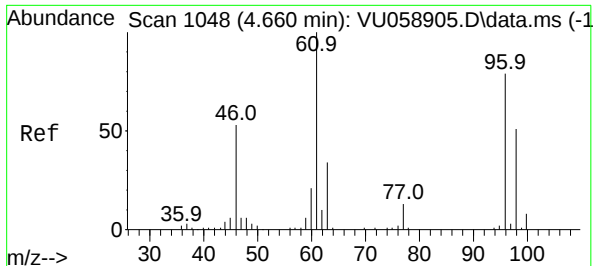
Tgt Ion: 63 Resp: 109601
Ion Ratio Lower Upper
63 100
65 33.0 21.8 40.6
83 12.5 9.9 18.5



#21
2-Butanone
Concen: 52.836 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. -0.003 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 43 Resp: 135589
Ion Ratio Lower Upper
43 100
72 29.1 13.8 41.4

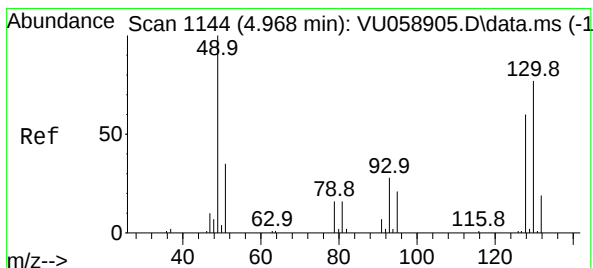
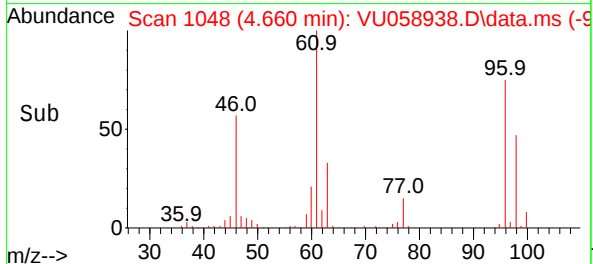
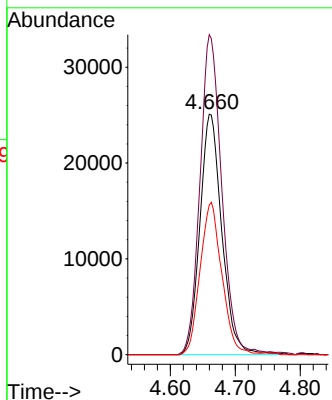
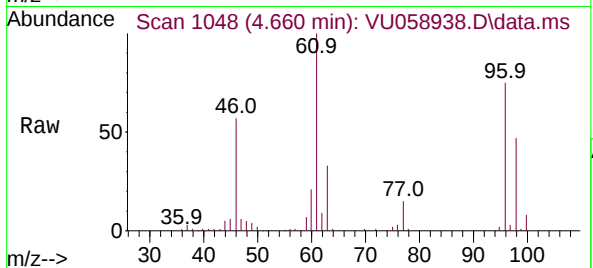




#22
 cis-1,2-Dichloroethene
 Concen: 5.312 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU058938.D
 Acq: 22 May 2024 12:31

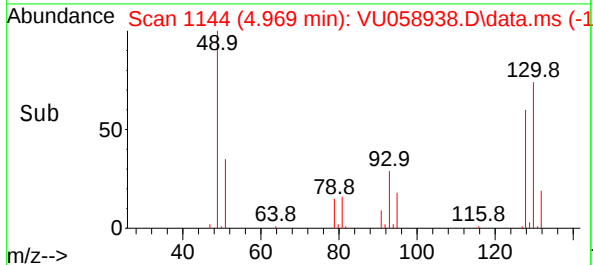
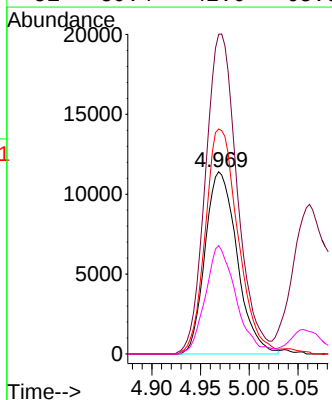
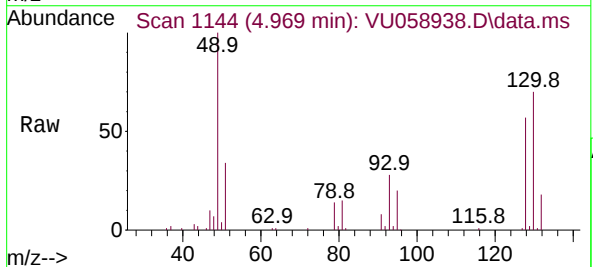
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

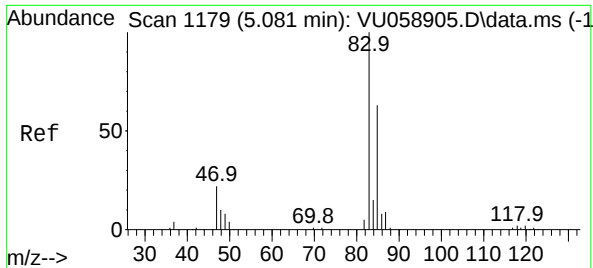
Tgt Ion: 96	Resp: 58965
Ion Ratio	Lower Upper
96	100
61	133.0 87.4 162.2
98	62.2 42.3 78.5



#23
 Bromochloromethane
 Concen: 5.306 ug/L
 RT: 4.969 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU058938.D
 Acq: 22 May 2024 12:31

Tgt Ion: 128	Resp: 26013
Ion Ratio	Lower Upper
128	100
49	175.4 117.0 217.4
130	123.4 89.6 166.4
51	59.4 42.0 63.0

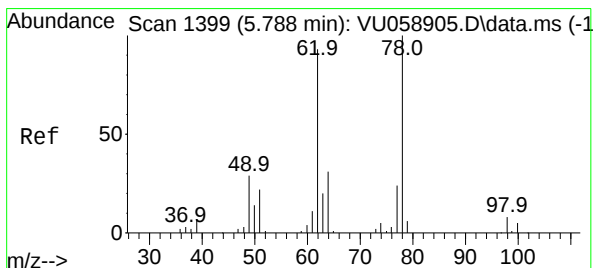
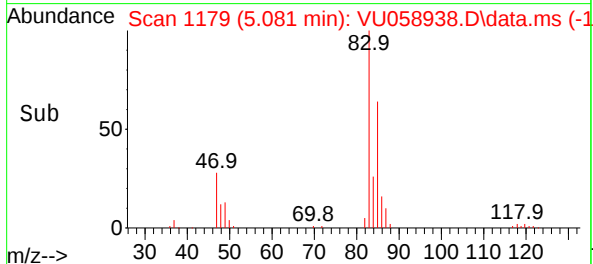
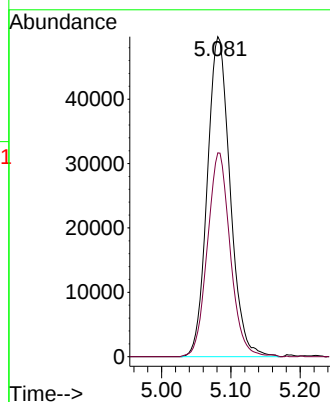
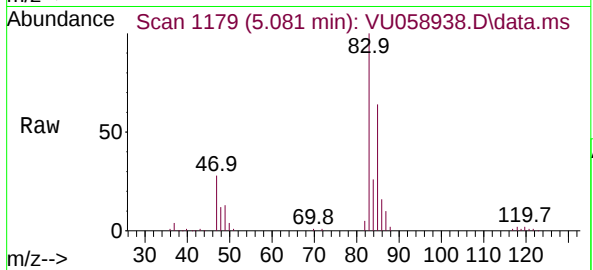




#25
Chloroform
Concen: 5.400 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

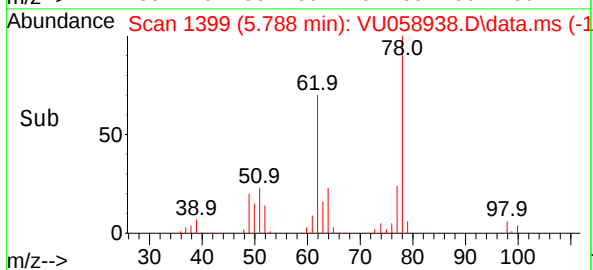
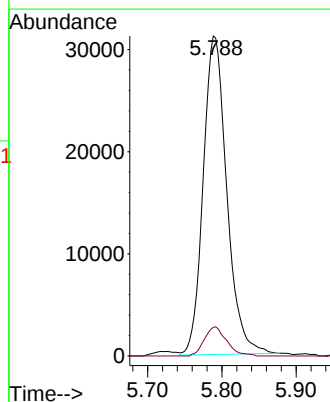
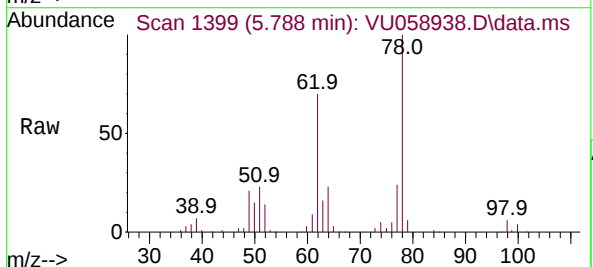
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

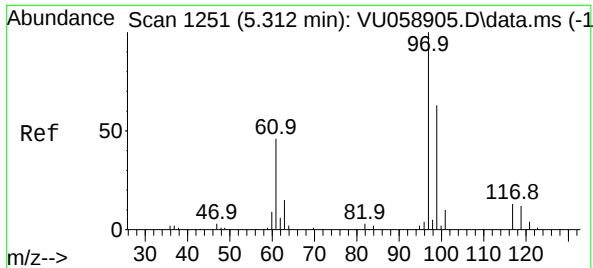
Tgt Ion: 83 Resp: 113734
Ion Ratio Lower Upper
83 100
85 63.7 44.7 83.1



#27
1,2-Dichloroethane
Concen: 5.353 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 62 Resp: 68884
Ion Ratio Lower Upper
62 100
98 8.9 7.5 11.3



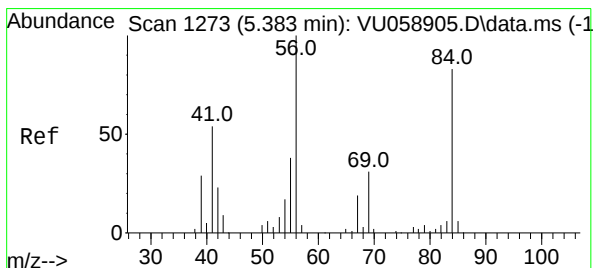
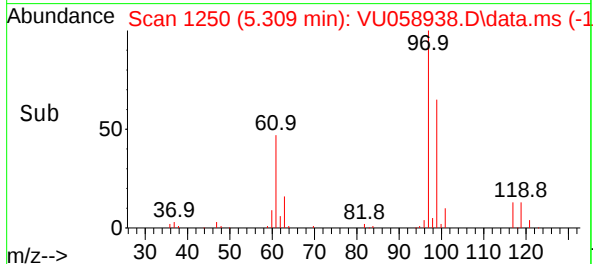
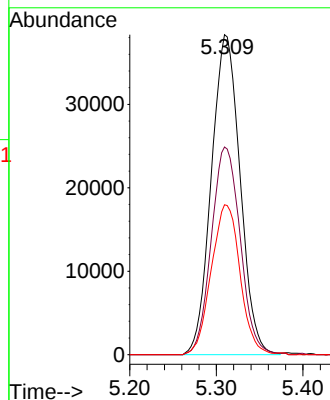
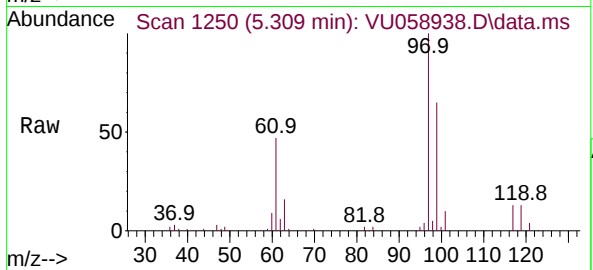


#29
1,1,1-Trichloroethane
Concen: 5.308 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.003 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

Tgt Ion: 97 Resp: 88344

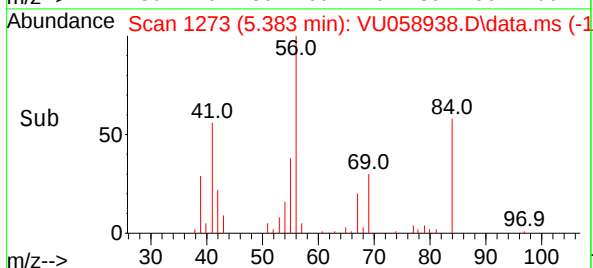
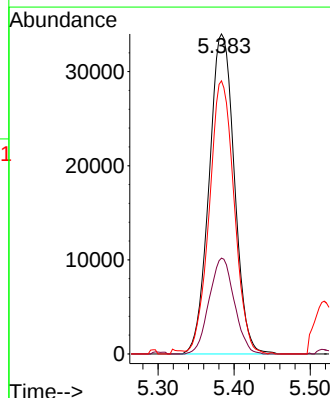
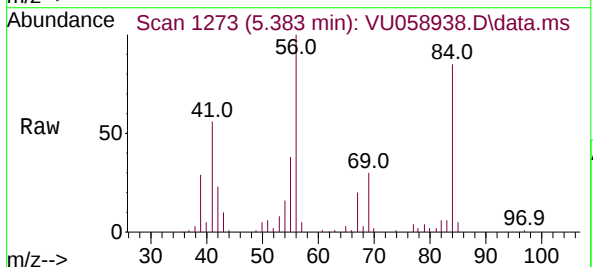
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.8	77.6
61	47.0	37.4	56.2

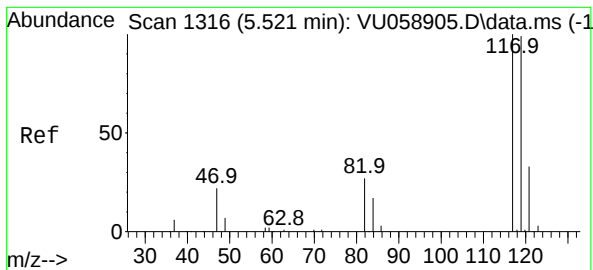


#30
Cyclohexane
Concen: 4.987 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 56 Resp: 78467

Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.8	37.2
84	84.1	69.8	104.8

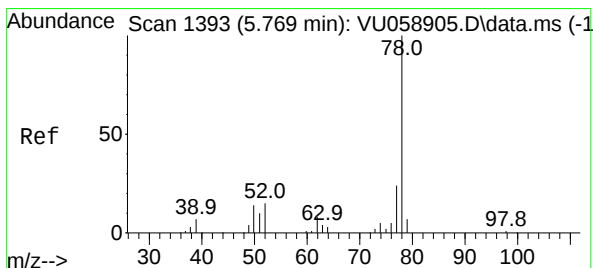
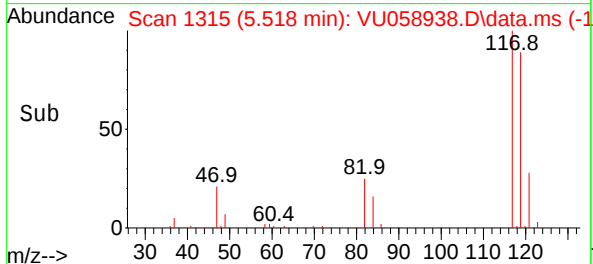
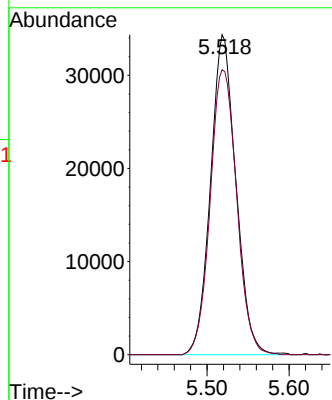
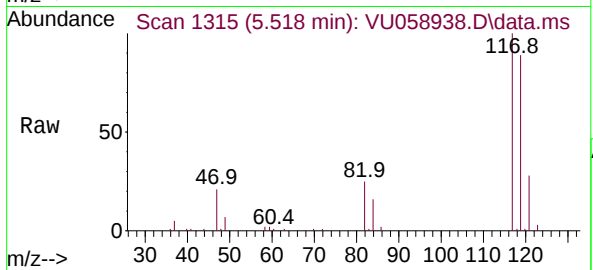




#31
Carbon tetrachloride
Concen: 5.311 ug/L
RT: 5.518 min Scan# 1316
Delta R.T. -0.003 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

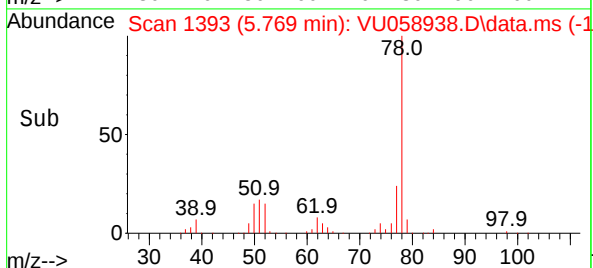
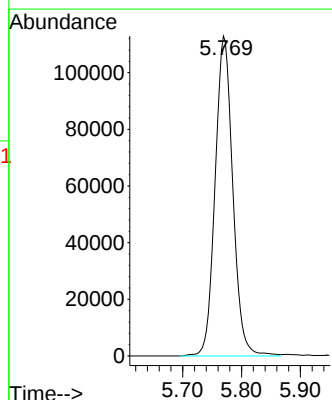
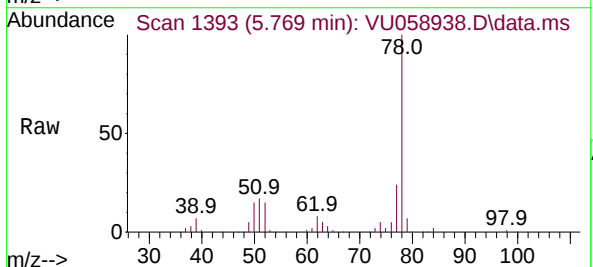
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

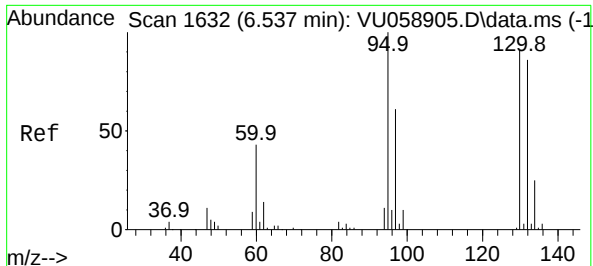
Tgt Ion:117 Resp: 73730
Ion Ratio Lower Upper
117 100
119 93.1 77.5 116.3



#33
Benzene
Concen: 5.397 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 78 Resp: 236112

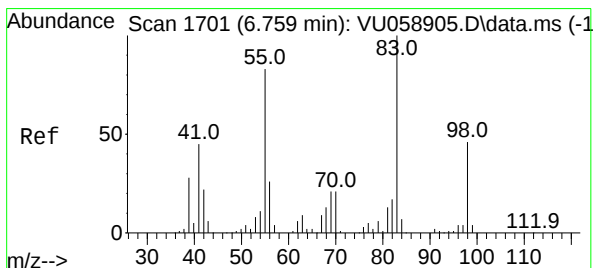
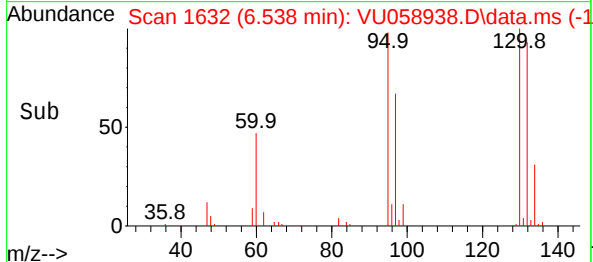
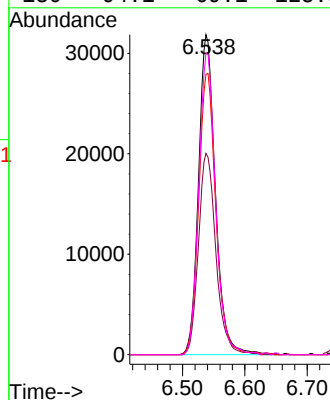
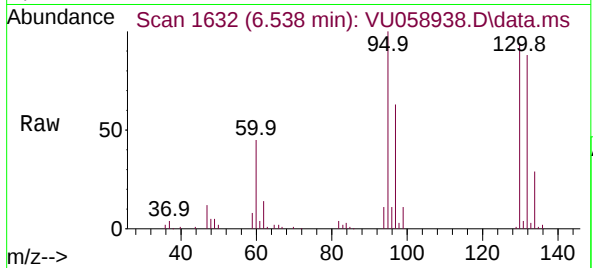




#34
Trichloroethene
Concen: 5.199 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

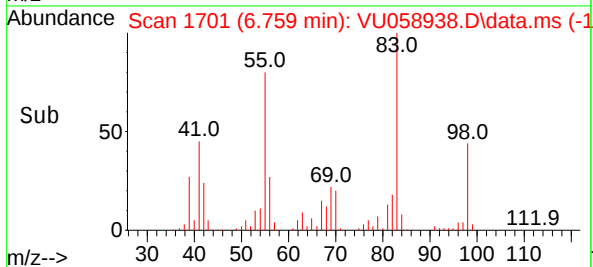
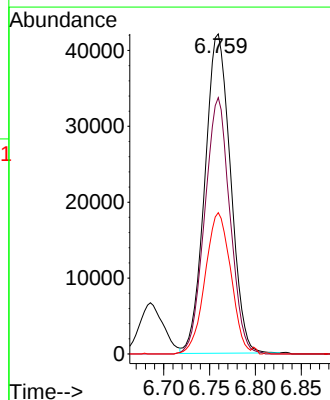
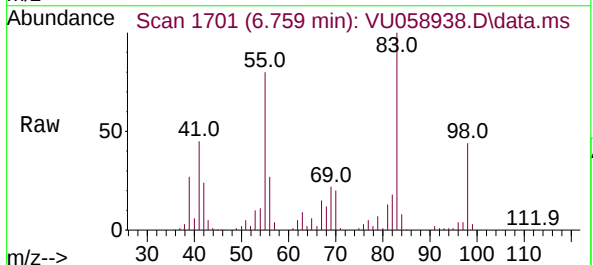
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ClientSampleId :
VSTD005108

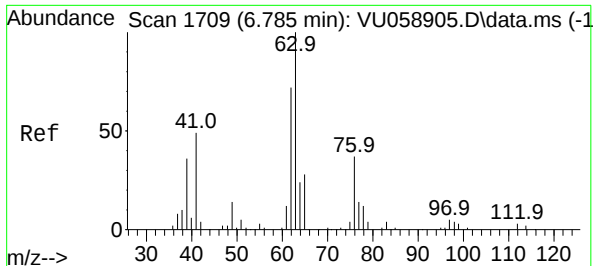
Tgt Ion: 95 Resp: 60164
Ion Ratio Lower Upper
95 100
97 62.9 45.3 84.1
132 87.7 64.0 119.0
130 94.1 69.1 128.3



#35
Methylcyclohexane
Concen: 4.971 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 83 Resp: 82074
Ion Ratio Lower Upper
83 100
55 78.6 62.7 94.1
98 44.5 35.4 53.0

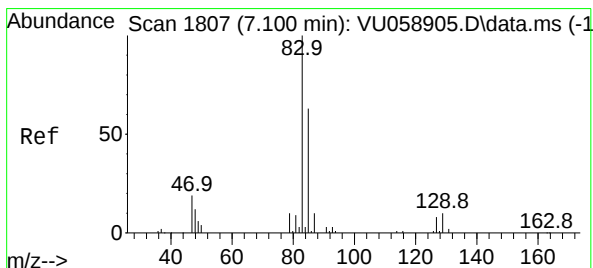
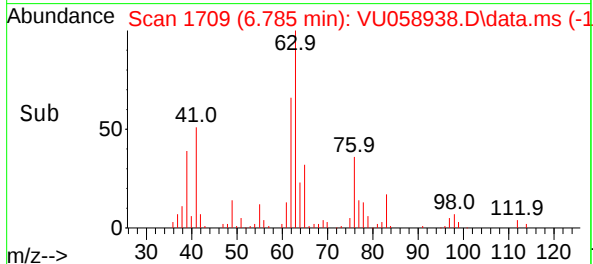
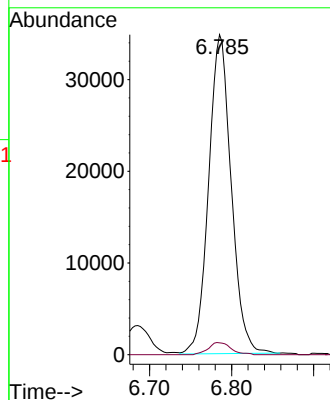
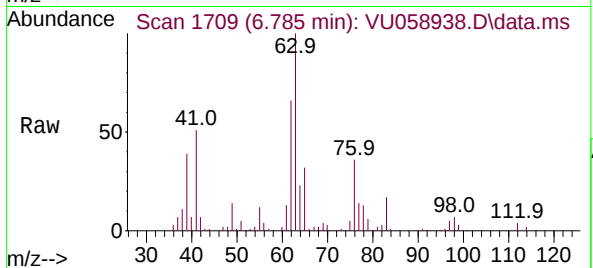




#37
1,2-Dichloropropane
Concen: 5.357 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

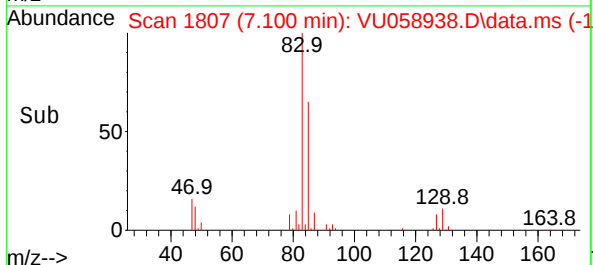
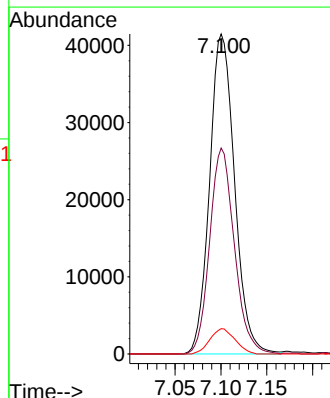
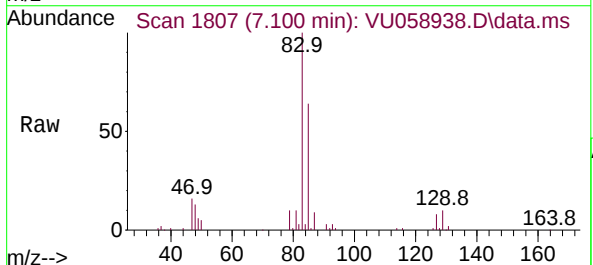
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

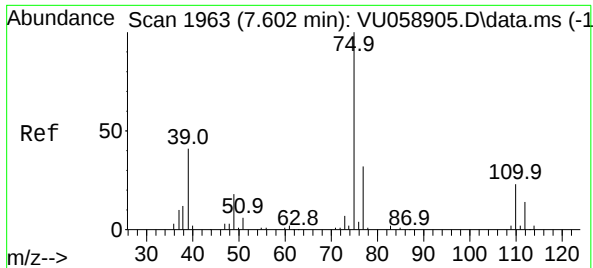
Tgt Ion: 63 Resp: 66531
Ion Ratio Lower Upper
63 100
112 3.8 2.6 3.8



#38
Bromodichloromethane
Concen: 5.287 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 83 Resp: 78700
Ion Ratio Lower Upper
83 100
85 64.4 42.7 79.3
127 7.9 6.1 9.1

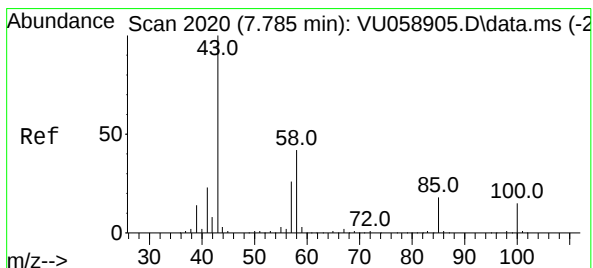
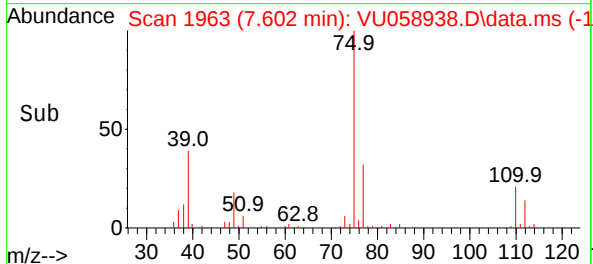
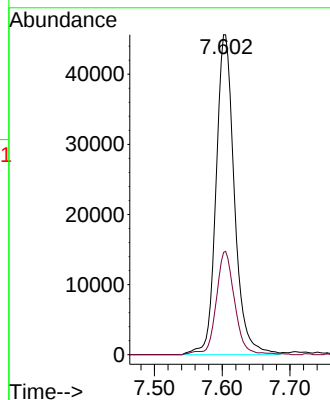
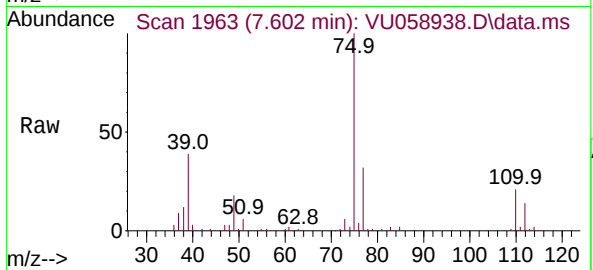




#39
 cis-1,3-Dichloropropene
 Concen: 5.078 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU058938.D
 Acq: 22 May 2024 12:31

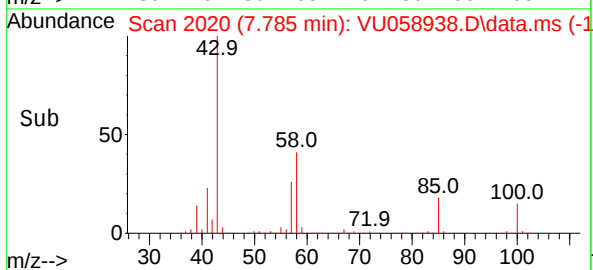
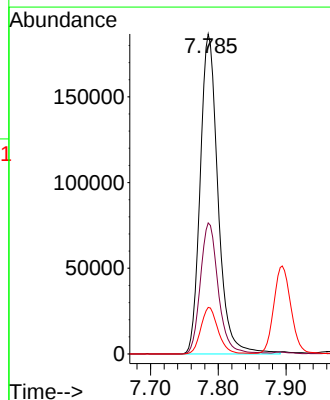
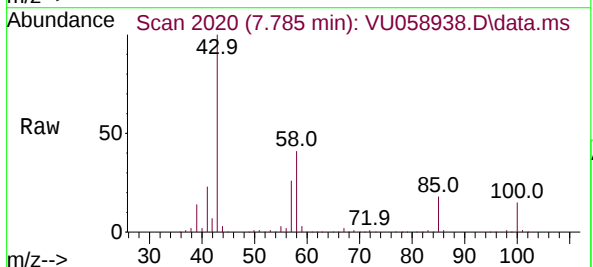
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005108

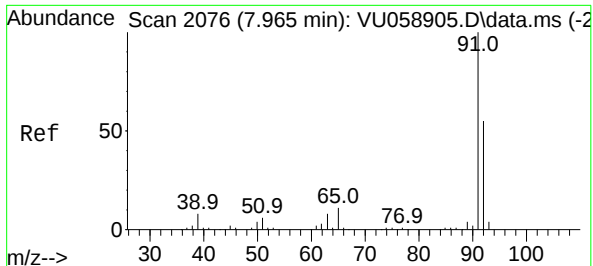
Tgt Ion: 75 Resp: 85939
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 53.039 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: VU058938.D
 Acq: 22 May 2024 12:31

Tgt Ion: 43 Resp: 340445
 Ion Ratio Lower Upper
 43 100
 58 41.4 34.0 51.0
 100 14.2 12.1 18.1





#42

Toluene

Concen: 5.427 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

Instrument :

MSVOA_U

ClientSampleId :

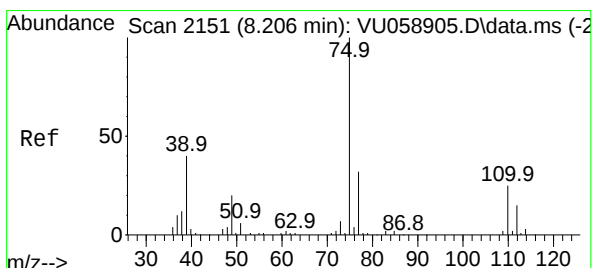
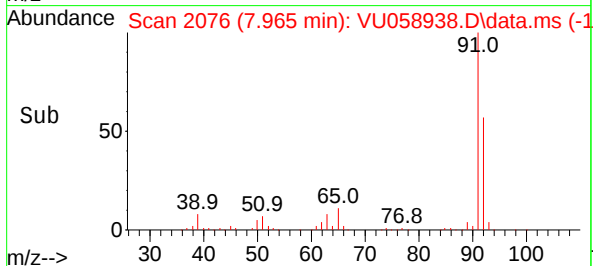
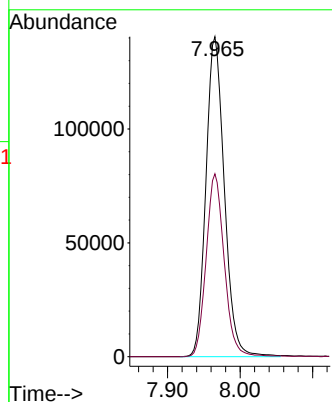
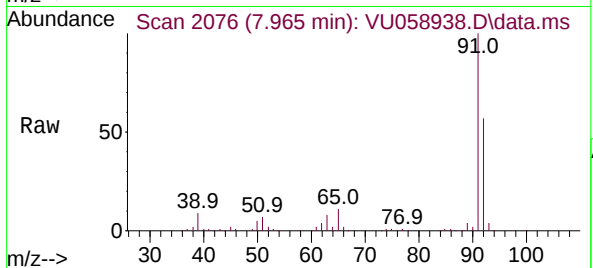
VSTD005108

Tgt Ion: 91 Resp: 247627

Ion Ratio Lower Upper

91 100

92 57.2 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 5.198 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU058938.D

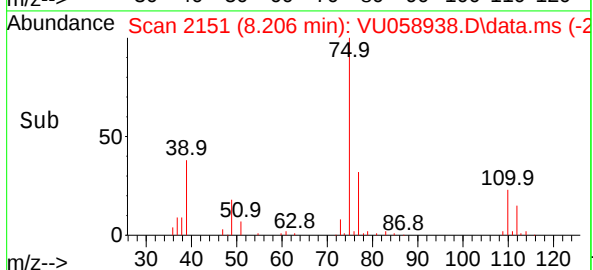
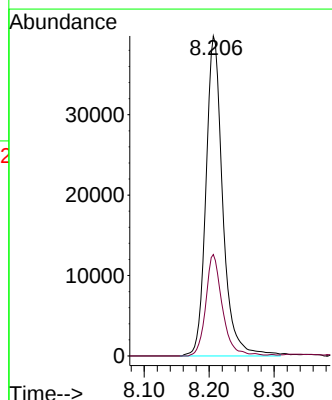
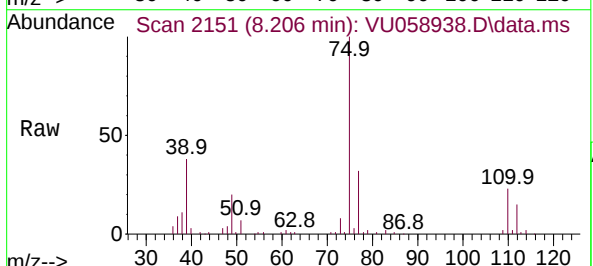
Acq: 22 May 2024 12:31

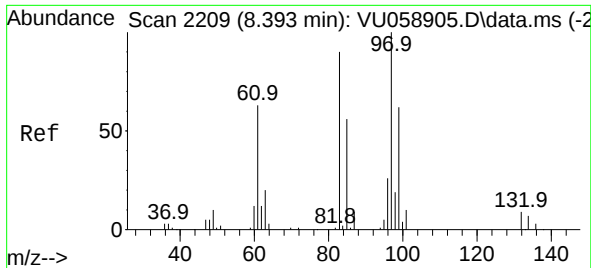
Tgt Ion: 75 Resp: 71781

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



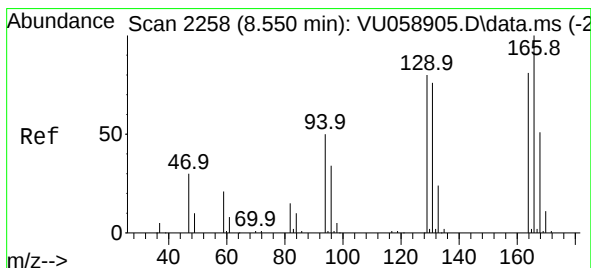
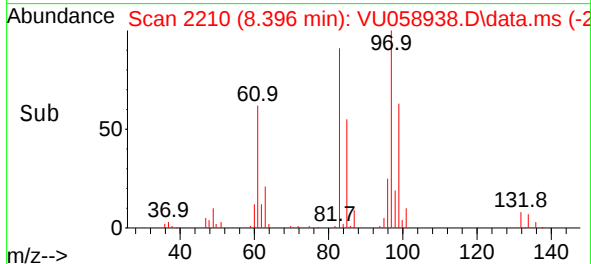
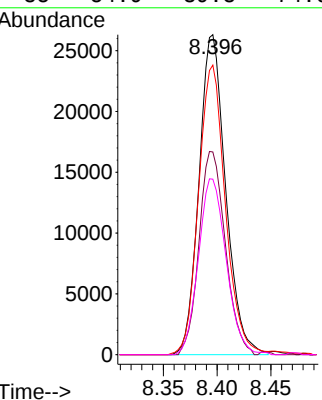
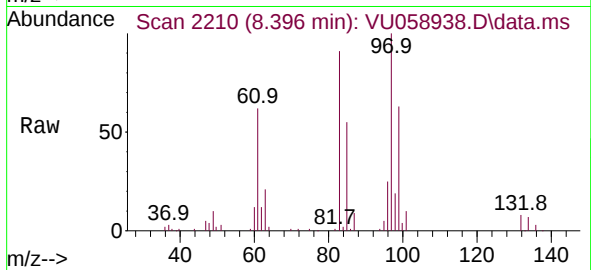


#45
1,1,2-Trichloroethane
Concen: 5.194 ug/L
RT: 8.396 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

Tgt Ion: 97 Resp: 45376

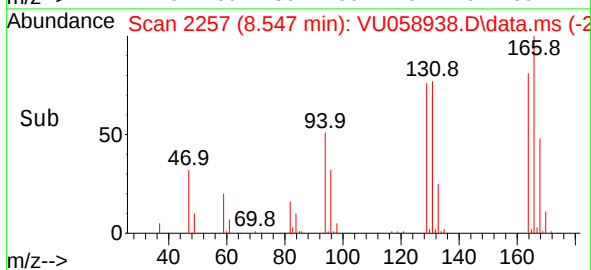
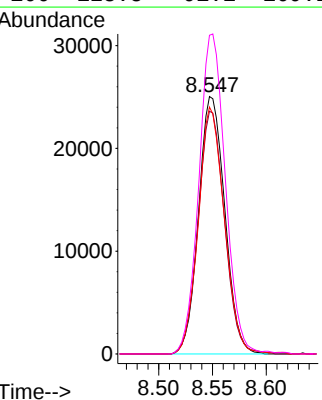
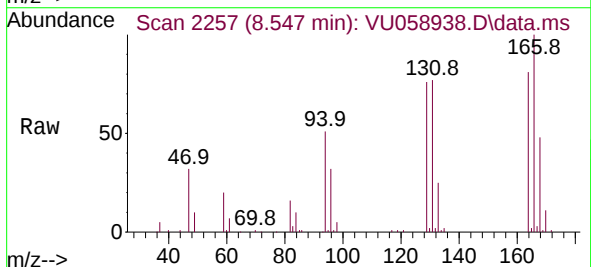
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.3	80.3
83	90.5	62.3	115.7
85	54.9	39.8	74.0

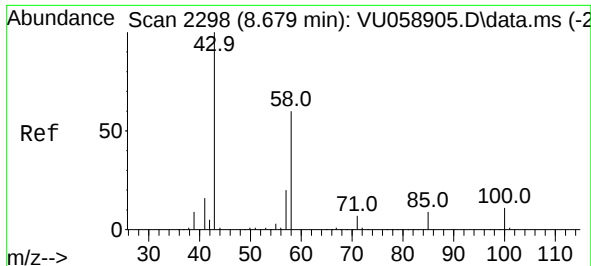


#47
Tetrachloroethene
Concen: 5.153 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 164 Resp: 42485

Ion	Ratio	Lower	Upper
164	100		
129	94.3	70.8	131.4
131	95.9	64.8	120.3
166	123.8	91.1	169.1





#48

2-Hexanone

Concen: 54.790 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

Tgt Ion: 43 Resp: 253438

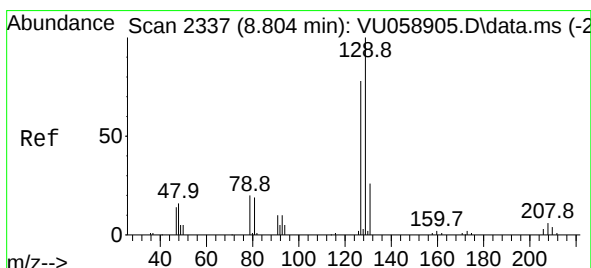
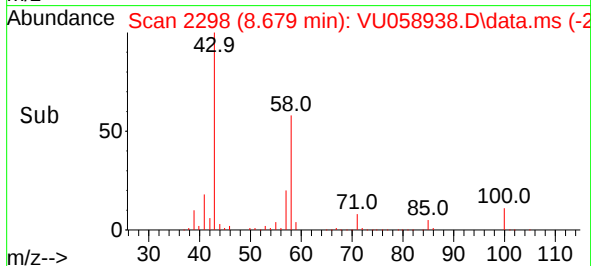
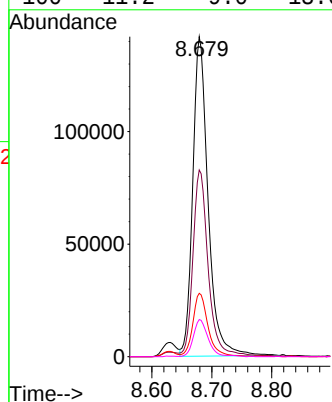
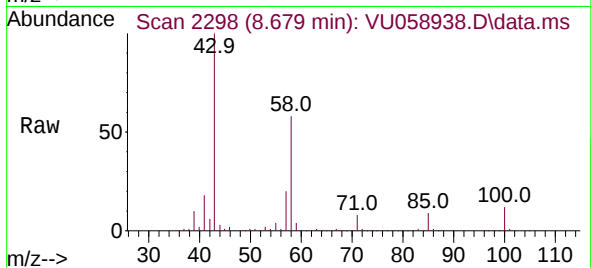
Ion Ratio Lower Upper

43 100

58 57.4 46.1 69.1

57 19.4 15.5 23.3

100 11.2 9.0 13.6



#49

Dibromochloromethane

Concen: 5.205 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VU058938.D

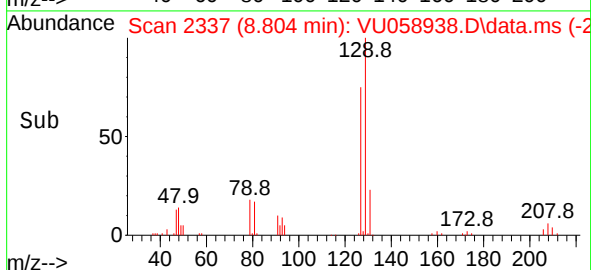
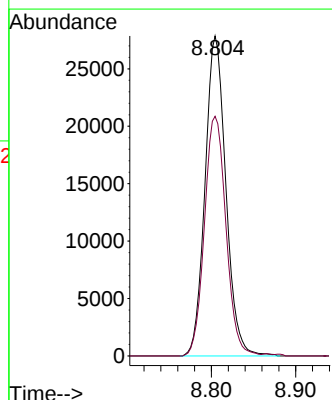
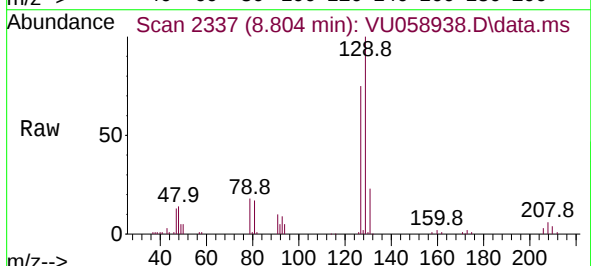
Acq: 22 May 2024 12:31

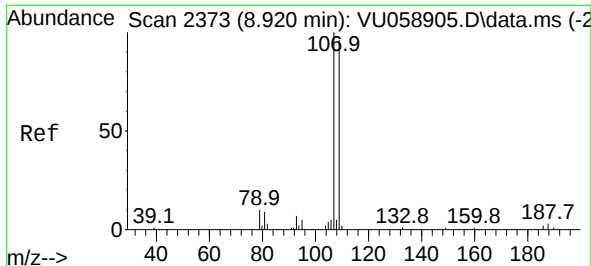
Tgt Ion: 129 Resp: 47955

Ion Ratio Lower Upper

129 100

127 74.9 52.5 97.5

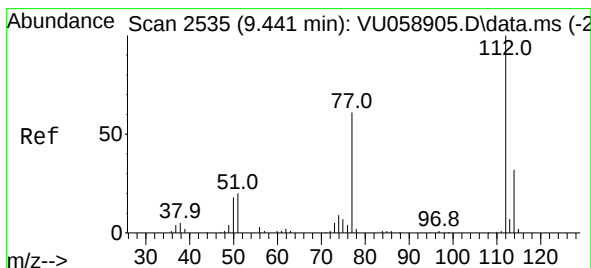
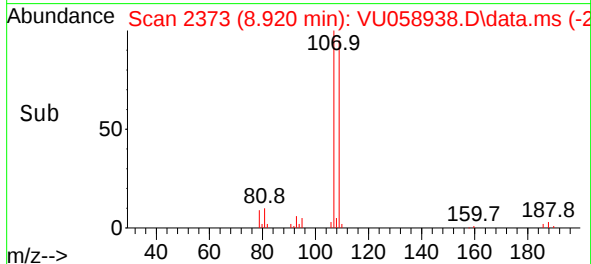
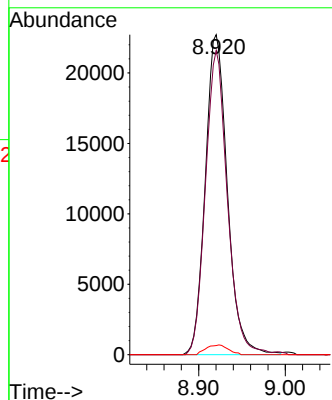
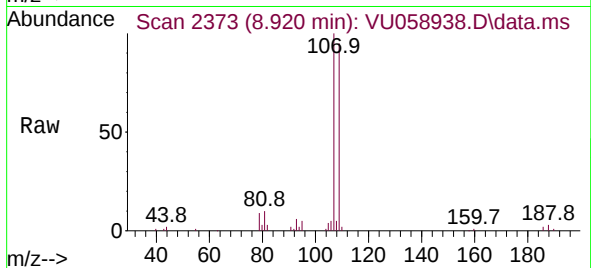




#50
1,2-Dibromoethane
Concen: 5.216 ug/L
RT: 8.920 min Scan# 2373
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

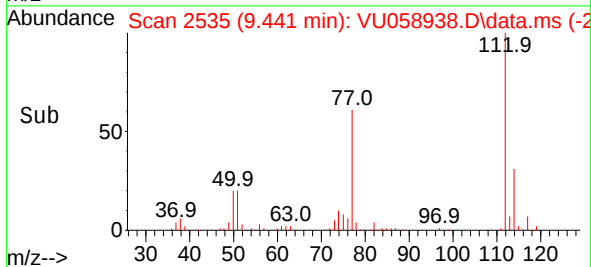
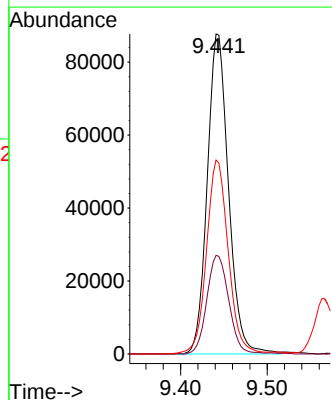
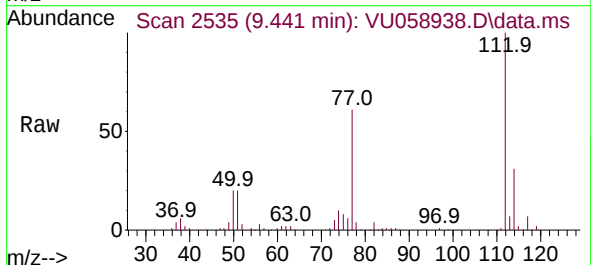
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

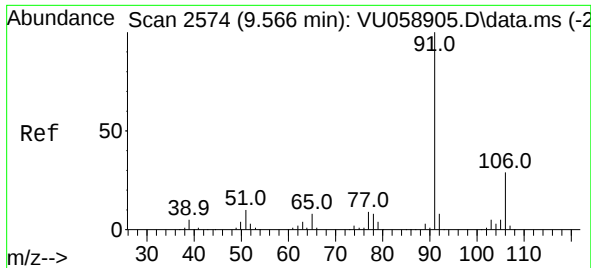
Tgt Ion:107 Resp: 40265
Ion Ratio Lower Upper
107 100
109 95.1 66.9 124.3
188 2.8 2.7 4.1



#51
Chlorobenzene
Concen: 5.147 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion:112 Resp: 149661
Ion Ratio Lower Upper
112 100
114 30.8 22.4 41.6
77 60.6 49.1 73.7

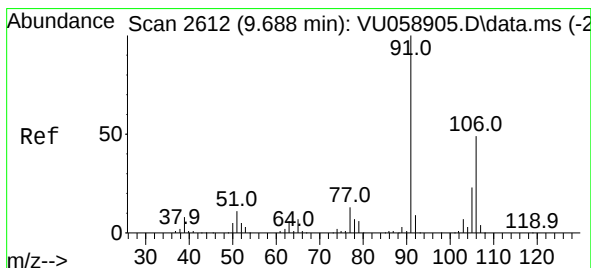
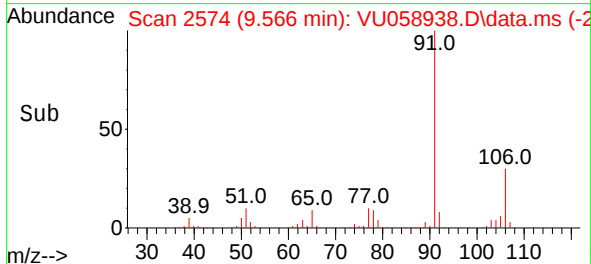
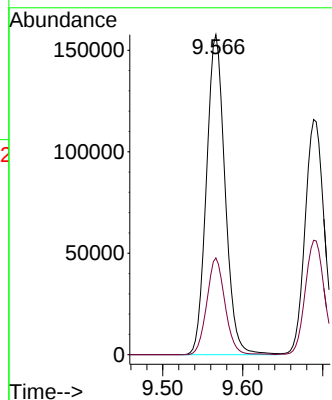
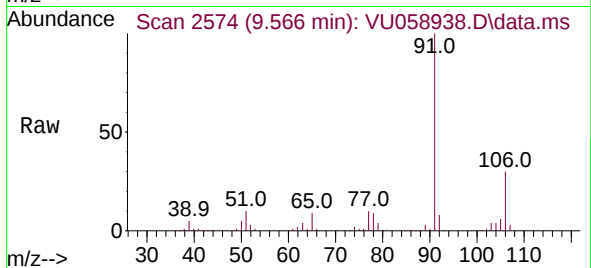




#52
Ethylbenzene
Concen: 5.189 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

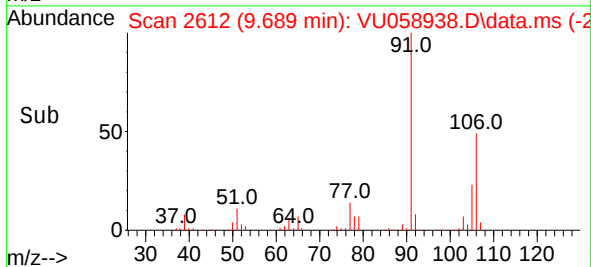
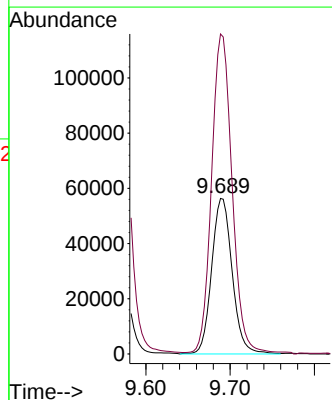
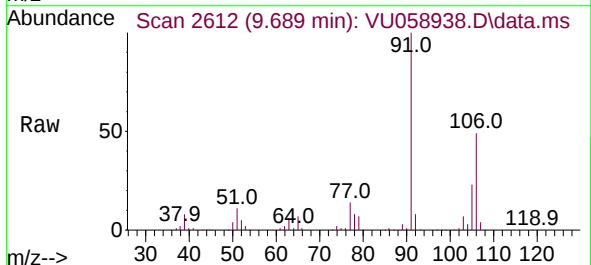
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

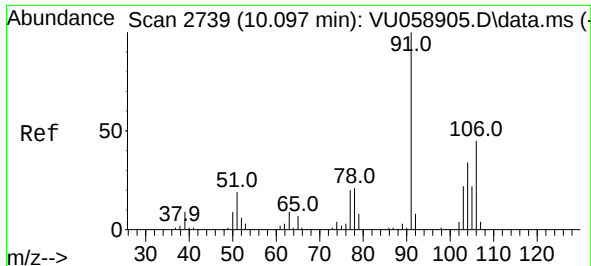
Tgt Ion: 91 Resp: 255617
Ion Ratio Lower Upper
91 100
106 30.3 20.9 38.7



#53
m,p-Xylene
Concen: 5.288 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 106 Resp: 95339
Ion Ratio Lower Upper
106 100
91 205.7 142.0 263.8

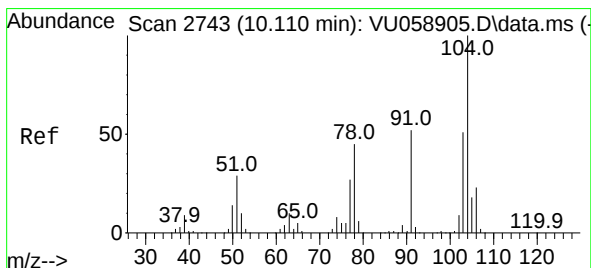
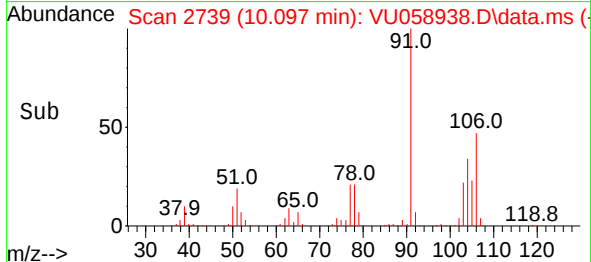
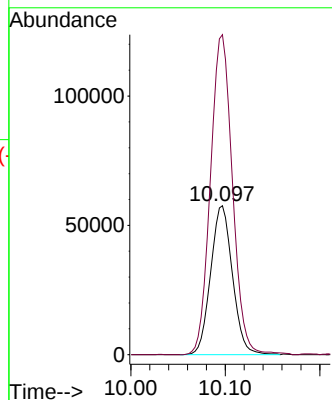
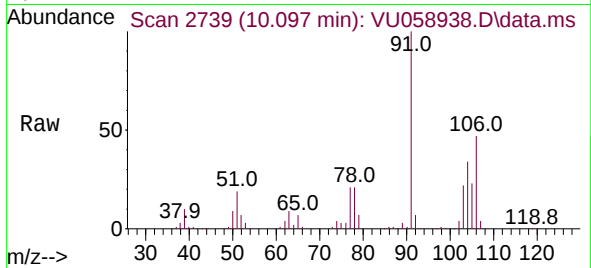




#54
o-Xylene
Concen: 5.236 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

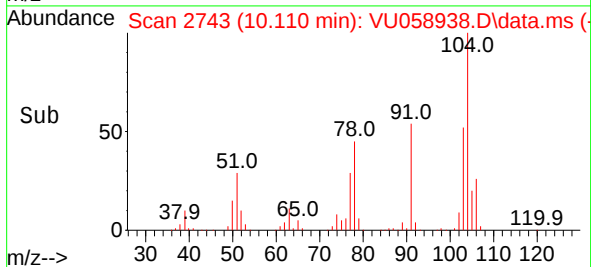
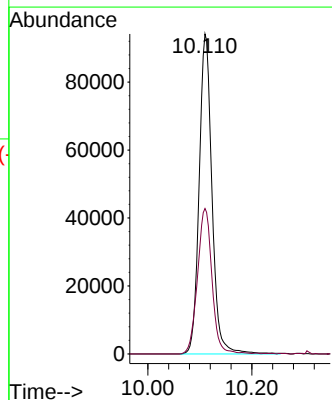
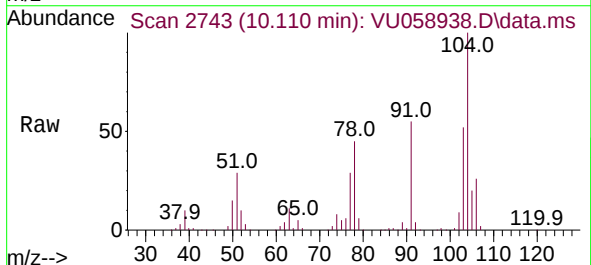
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

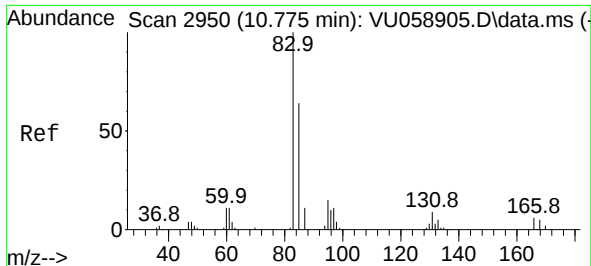
Tgt Ion:106 Resp: 92336
Ion Ratio Lower Upper
106 100
91 214.7 151.6 281.6



#55
Styrene
Concen: 5.441 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion:104 Resp: 161402
Ion Ratio Lower Upper
104 100
78 45.4 32.3 60.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.195 ug/L

RT: 10.779 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

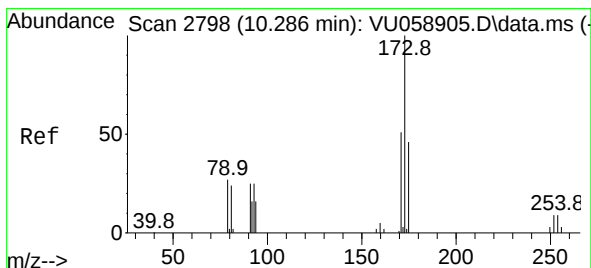
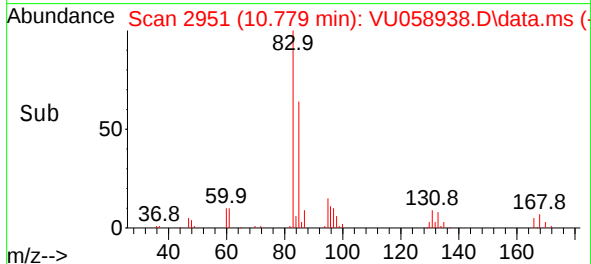
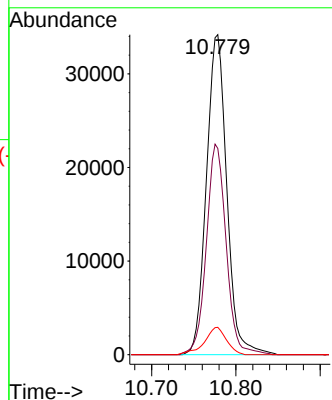
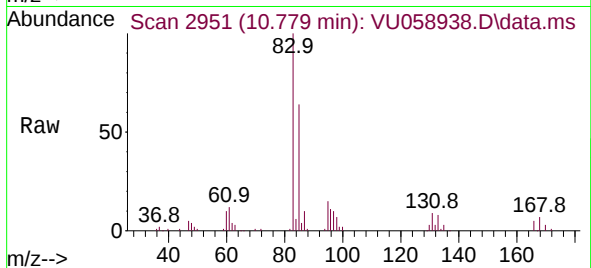
Tgt Ion: 83 Resp: 57538

Ion Ratio Lower Upper

83 100

85 64.5 44.7 82.9

131 8.5 6.9 10.3



#59

Bromoform

Concen: 4.878 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

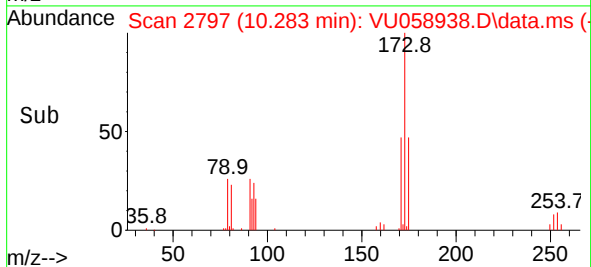
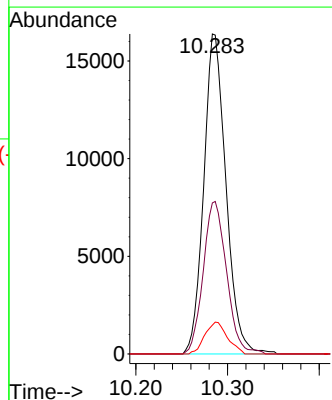
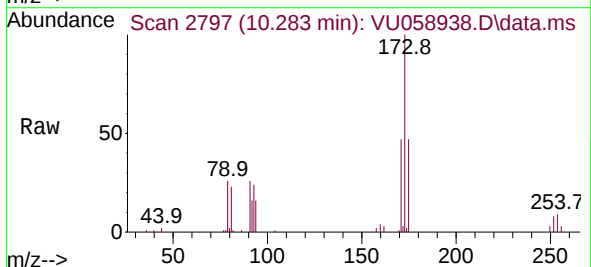
Tgt Ion:173 Resp: 27636

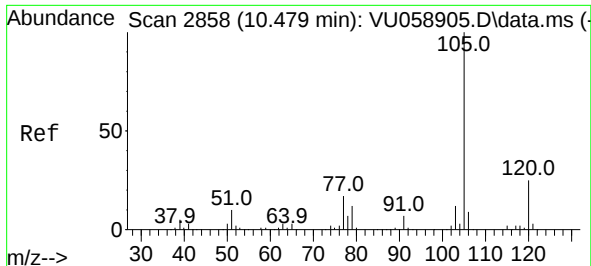
Ion Ratio Lower Upper

173 100

175 50.0 39.4 59.2

254 10.1 7.4 11.2

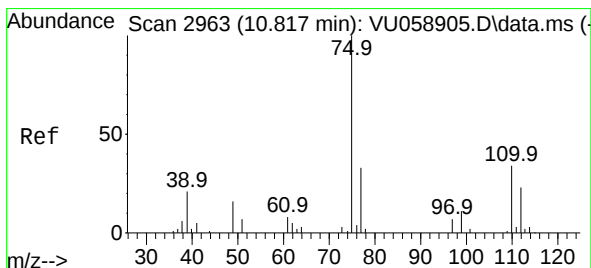
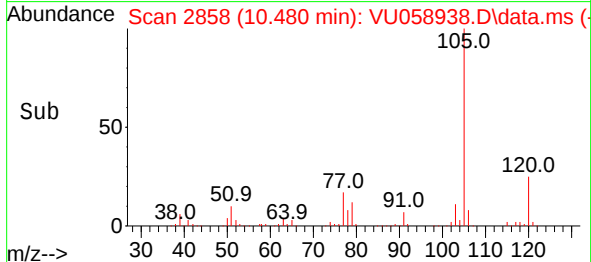
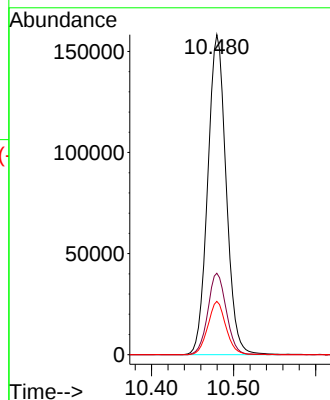
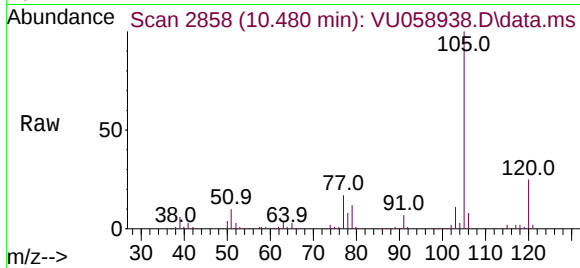




#60
Isopropylbenzene
Concen: 4.985 ug/L
RT: 10.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

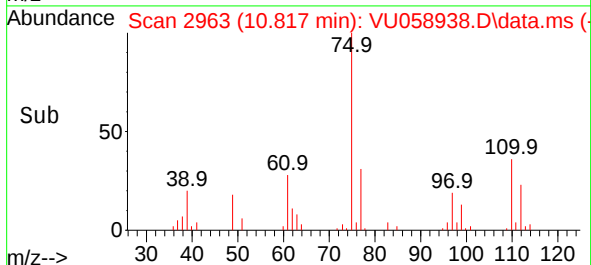
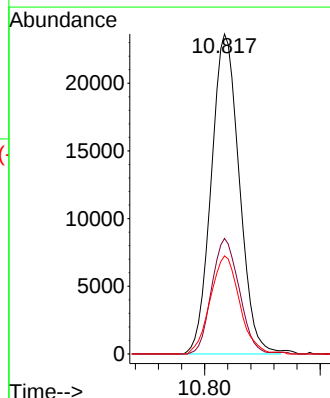
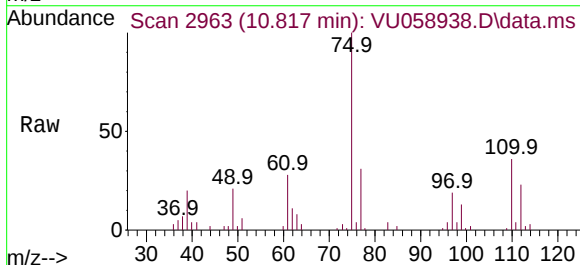
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

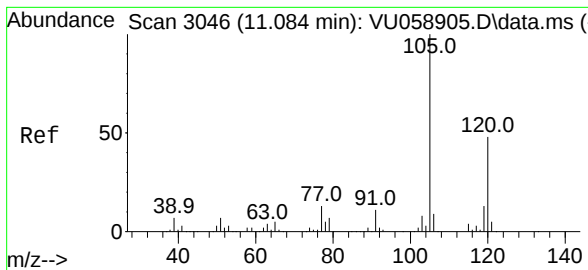
Tgt Ion:105 Resp: 247462
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0
77 16.3 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 4.985 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion: 75 Resp: 39798
Ion Ratio Lower Upper
75 100
110 35.6 27.1 40.7
77 31.9 25.4 38.2

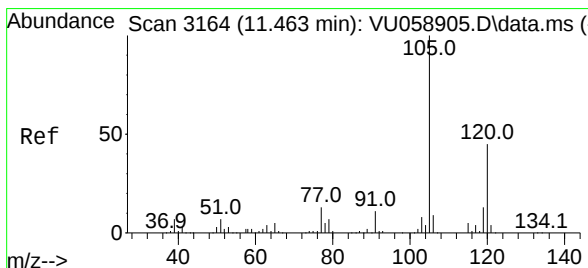
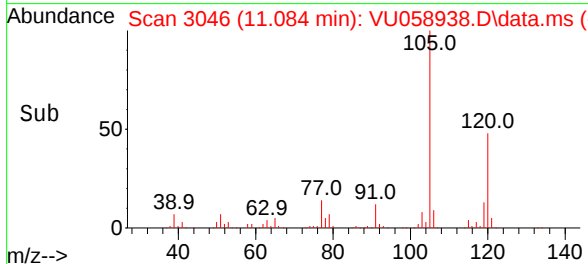
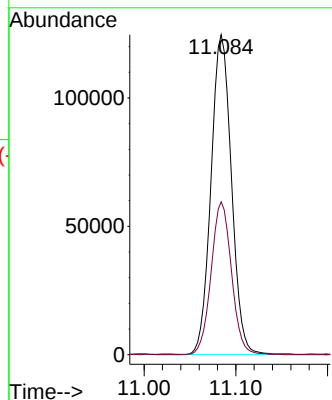
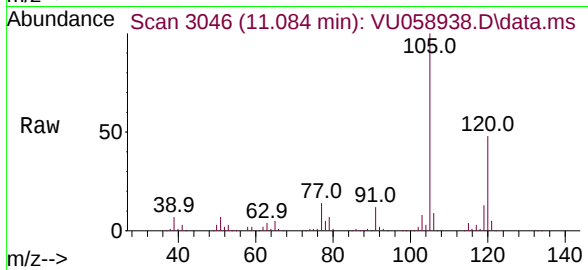




#62
1,3,5-Trimethylbenzene
Concen: 4.869 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

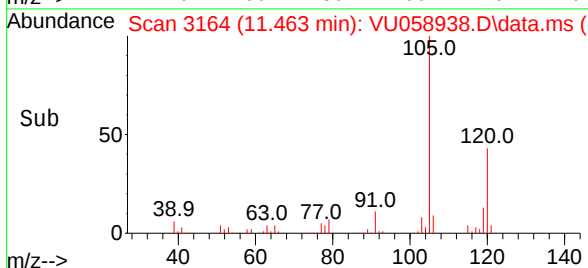
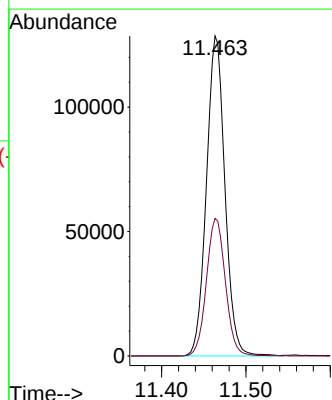
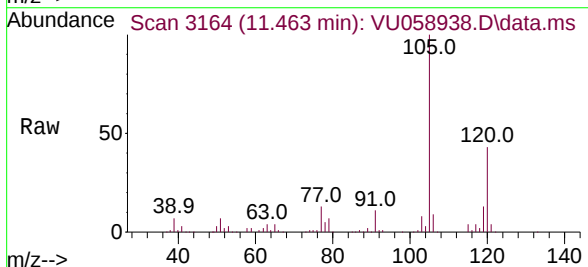
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

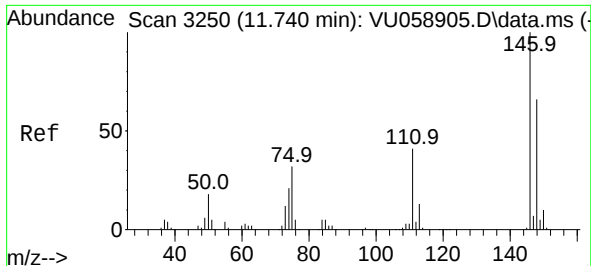
Tgt Ion:105 Resp: 192634
Ion Ratio Lower Upper
105 100
120 47.7 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 5.008 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion:105 Resp: 196469
Ion Ratio Lower Upper
105 100
120 44.1 35.4 53.0

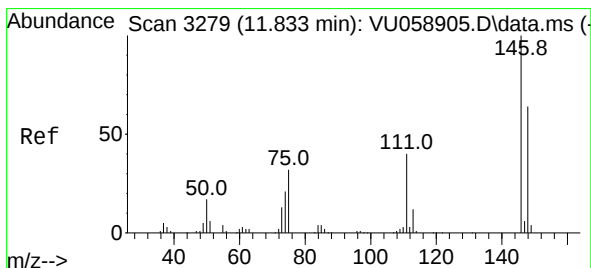
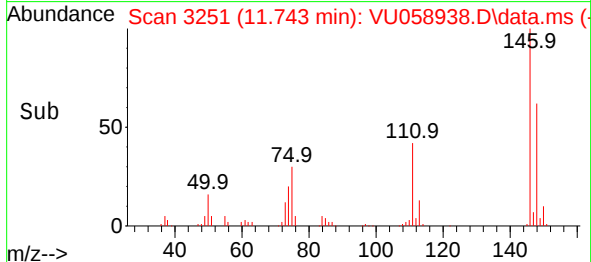
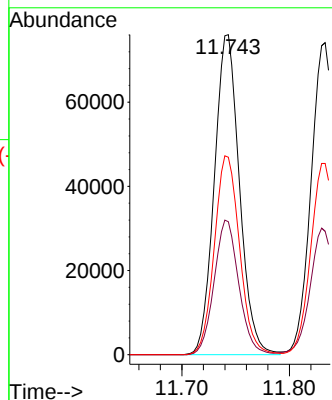
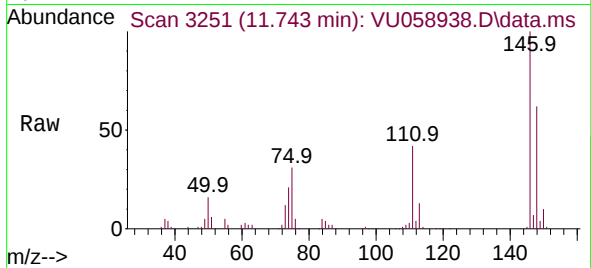




#64
1,3-Dichlorobenzene
Concen: 5.115 ug/L
RT: 11.743 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

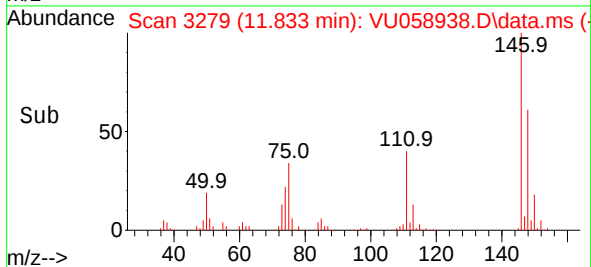
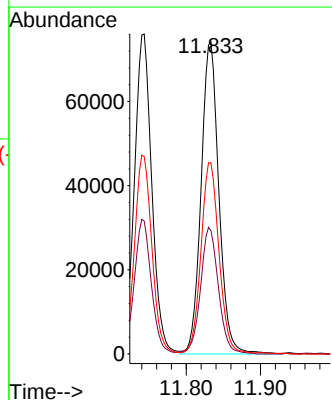
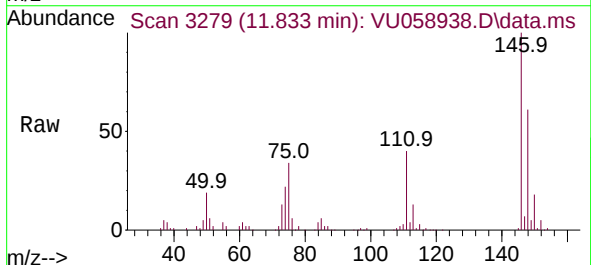
Instrument :
MSVOA_U
ClientSampleId :
VSTD005108

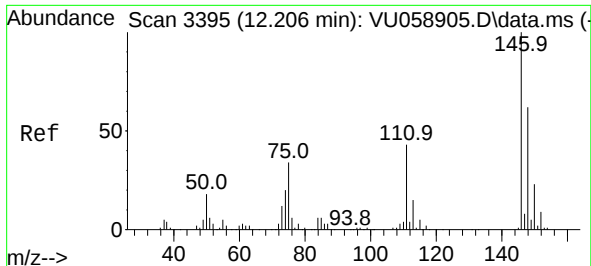
Tgt Ion:146 Resp: 123530
Ion Ratio Lower Upper
146 100
111 41.6 27.4 51.0
148 61.7 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 5.123 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU058938.D
Acq: 22 May 2024 12:31

Tgt Ion:146 Resp: 123493
Ion Ratio Lower Upper
146 100
111 39.5 26.9 50.1
148 61.3 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.964 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

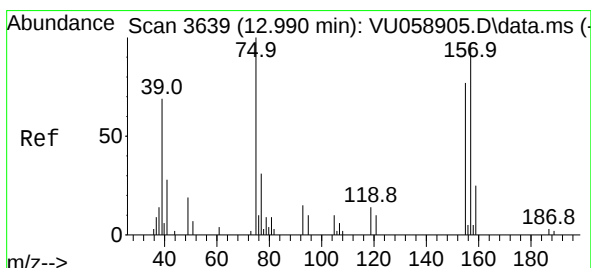
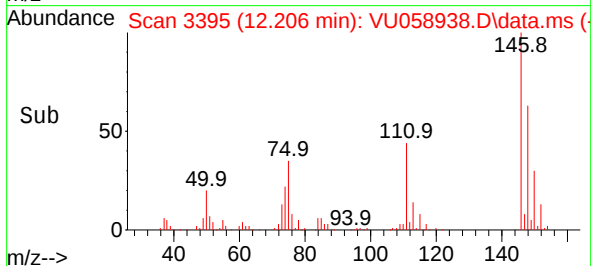
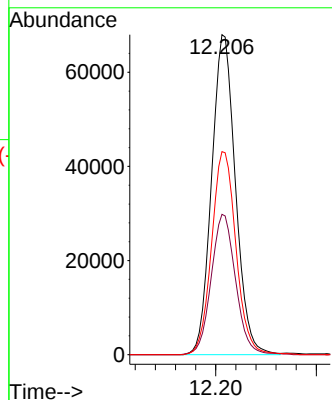
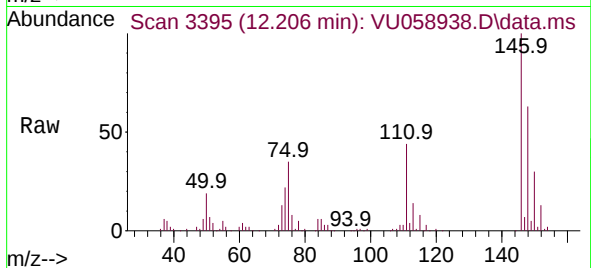
Tgt Ion:146 Resp: 112041

Ion Ratio Lower Upper

146 100

111 43.9 33.4 50.0

148 63.4 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.187 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

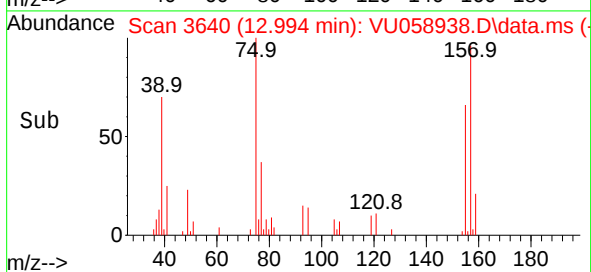
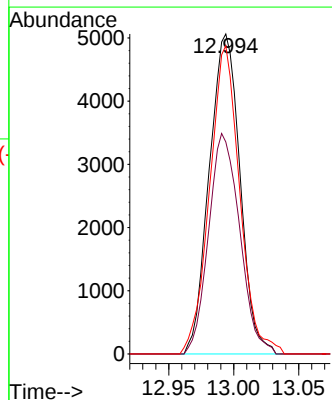
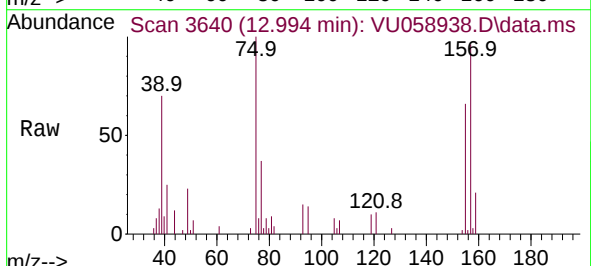
Tgt Ion: 75 Resp: 8330

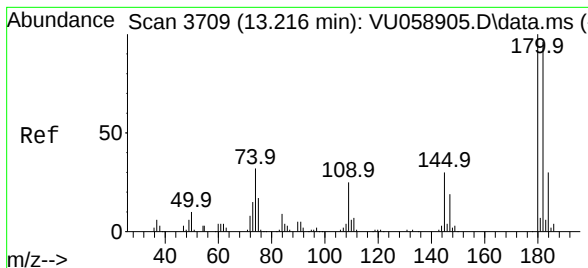
Ion Ratio Lower Upper

75 100

155 66.2 58.2 87.2

157 96.3 80.0 120.0





#69

1,3,5-Trichlorobenzene

Concen: 4.927 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

Tgt Ion:180 Resp: 89223

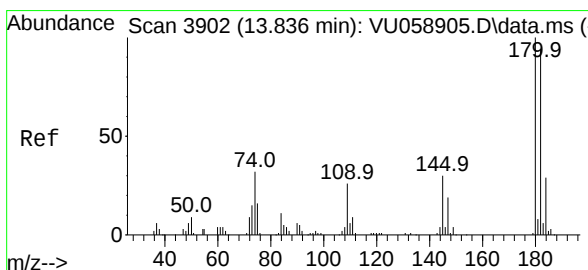
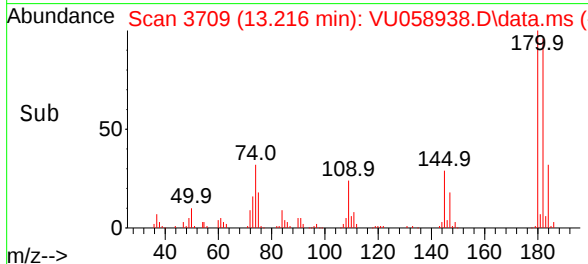
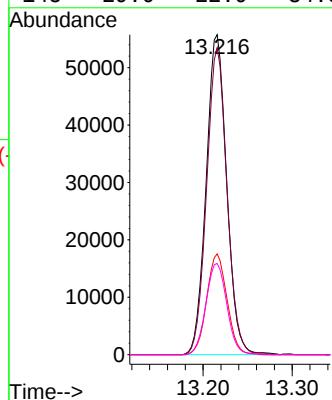
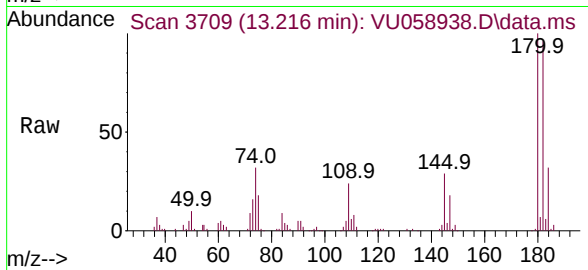
Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.0

184 31.2 23.0 34.6

145 29.0 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 4.778 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

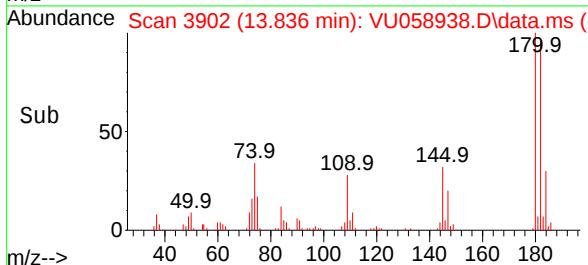
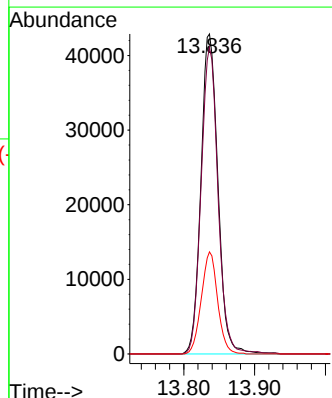
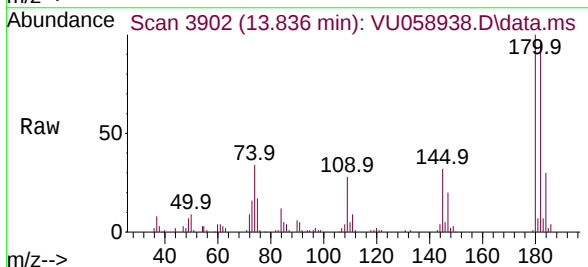
Tgt Ion:180 Resp: 71401

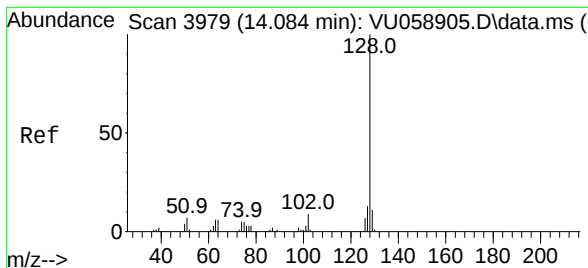
Ion Ratio Lower Upper

180 100

182 94.7 74.9 112.3

145 30.5 23.9 35.9





#71

Naphthalene

Concen: 4.543 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005108

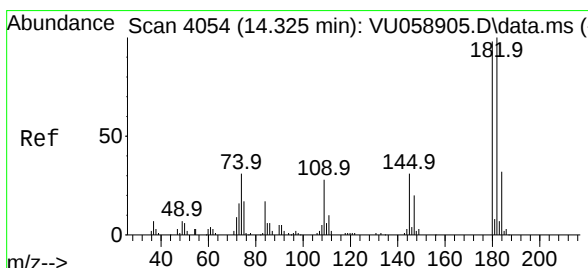
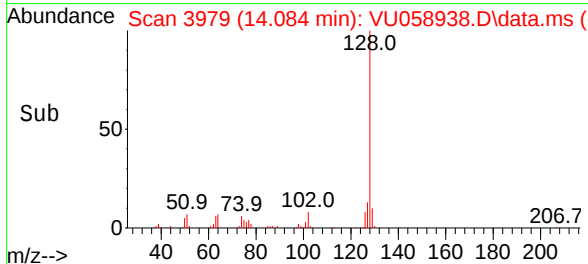
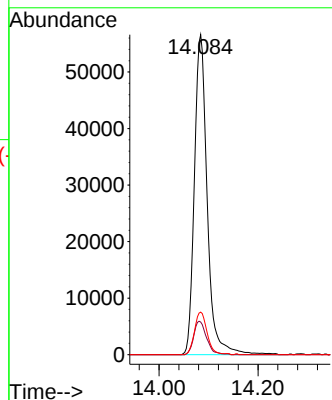
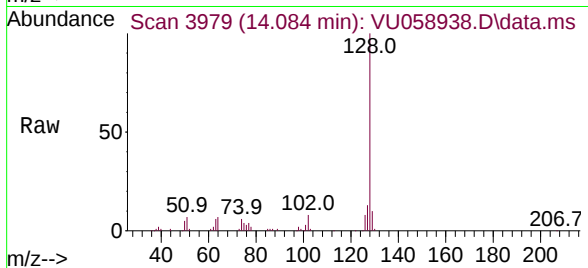
Tgt Ion:128 Resp: 102310

Ion Ratio Lower Upper

128 100

129 10.4 8.2 12.4

127 13.0 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.884 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU058938.D

Acq: 22 May 2024 12:31

Tgt Ion:180 Resp: 64044

Ion Ratio Lower Upper

180 100

182 96.8 77.0 115.6

145 33.2 26.2 39.4

