

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062023\
 Data File : VU054612.D
 Acq On : 20 Jun 2023 14:59
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005191

Quant Time: Jun 21 03:59:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 17 06:10:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	332330	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	318522	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	165927	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	135486	6.406	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.200%
7) Chloroethane-d5	1.911	69	104347	5.269	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.400%
11) 1,1-Dichloroethene-d2	2.563	65	49982	5.291	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.800%
20) 2-Butanone-d5	4.624	46	260797	43.858	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.720%
24) Chloroform-d	5.058	84	199264	4.507	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.698	65	97457	4.522	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.724	84	401388	4.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.685	67	133275	4.507	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.894	98	364845	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.177	79	50174	4.879	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.631	63	194196	45.015	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.040%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	91363	4.143	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	118852	4.247	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	132236	4.258	ug/L	100
3) Chloromethane	1.518	50	156019	4.374	ug/L	100
5) Vinyl chloride	1.602	62	165322	4.515	ug/L	100
6) Bromomethane	1.856	94	87504	4.347	ug/L	97
8) Chloroethane	1.933	64	101748	4.636	ug/L	98
9) Trichlorofluoromethane	2.136	101	207082	4.601	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	125145	4.752	ug/L	98
12) 1,1-Dichloroethene	2.576	96	109955	4.562	ug/L #	79
13) Acetone	2.634	43	308447	55.014	ug/L	99
14) Carbon disulfide	2.792	76	296146	4.143	ug/L	100
15) Methyl Acetate	2.952	43	52091	5.014	ug/L	95
16) Methylene chloride	3.042	84	142939	4.217	ug/L	91
17) Methyl tert-butyl Ether	3.361	73	278384	4.679	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	110655	4.446	ug/L	95
19) 1,1-Dichloroethane	3.866	63	257320	4.996	ug/L	99
21) 2-Butanone	4.702	43	390269	53.634	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	132267	4.667	ug/L	99
23) Bromochloromethane	4.972	128	53891	4.570	ug/L	94
25) Chloroform	5.084	83	251281	4.949	ug/L	95

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 Acq On : 20 Jun 2023 14:59
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005191

Quant Time: Jun 21 03:59:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 17 06:10:25 2023
 Response via : Initial Calibration

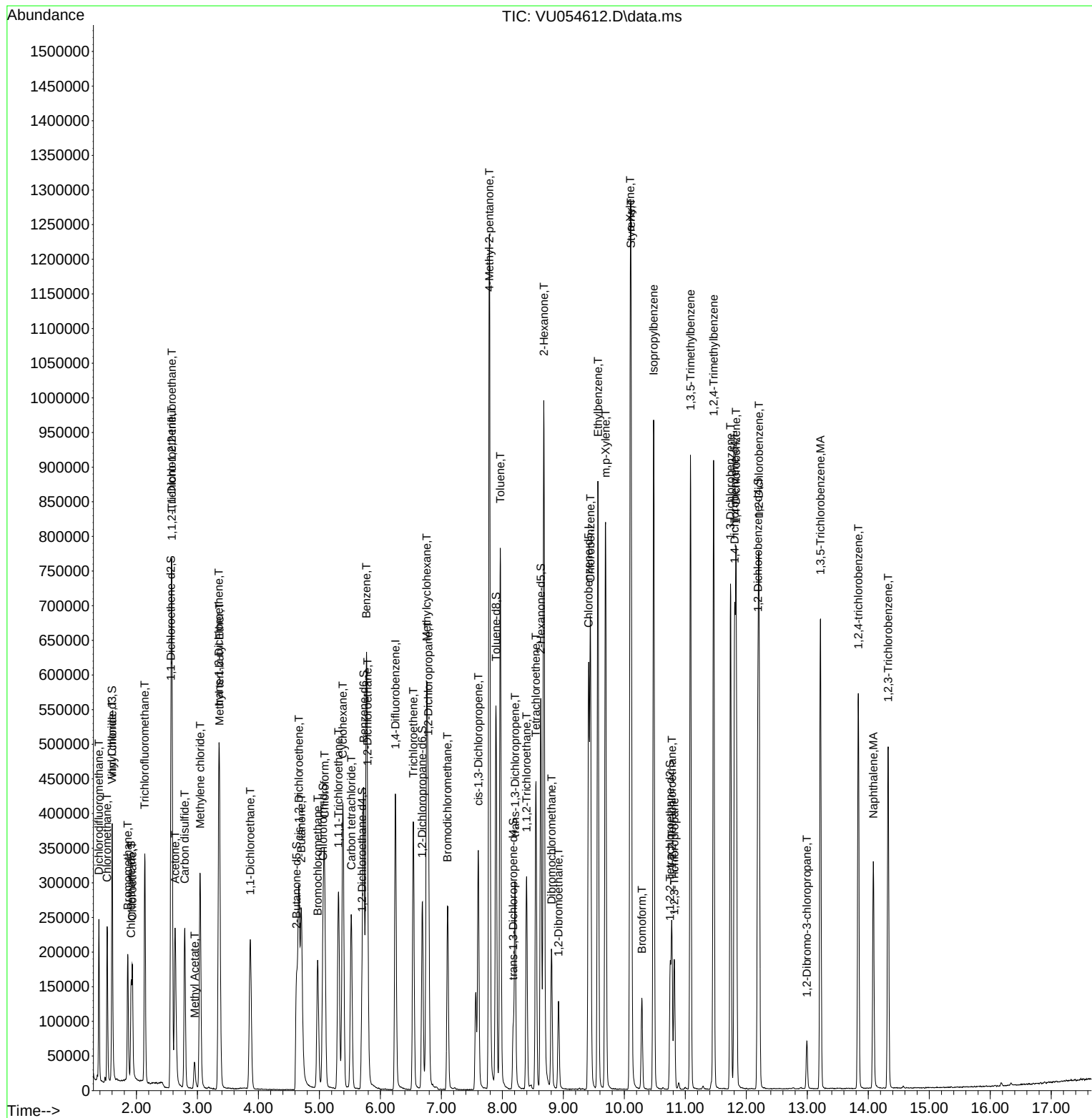
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	145916	4.903	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	207590	4.806	ug/L	98
30) Cyclohexane	5.383	56	212346	4.514	ug/L	97
31) Carbon tetrachloride	5.521	117	171099	4.597	ug/L	99
33) Benzene	5.769	78	534844	4.672	ug/L	100
34) Trichloroethene	6.541	95	138018	4.559	ug/L	93
35) Methylcyclohexane	6.759	83	206688	4.517	ug/L	98
37) 1,2-Dichloropropane	6.785	63	149137	4.818	ug/L	99
38) Bromodichloromethane	7.100	83	171659	4.899	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	206079	4.877	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	836135	50.621	ug/L	97
42) Toluene	7.965	91	566872	4.808	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	168254	4.906	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	95111	4.830	ug/L	99
47) Tetrachloroethene	8.550	164	97583	4.211	ug/L	98
48) 2-Hexanone	8.679	43	644656	52.379	ug/L	97
49) Dibromochloromethane	8.804	129	102628	4.964	ug/L	99
50) 1,2-Dibromoethane	8.920	107	84058	4.650	ug/L	100
51) Chlorobenzene	9.444	112	341688	4.650	ug/L	98
52) Ethylbenzene	9.566	91	612010	4.754	ug/L	99
53) m,p-Xylene	9.692	106	228905	4.840	ug/L	99
54) o-Xylene	10.097	106	218619	4.780	ug/L	99
55) Styrene	10.110	104	379443	4.943	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.778	83	121152	4.844	ug/L	98
59) Bromoform	10.287	173	59159	4.966	ug/L	100
60) Isopropylbenzene	10.479	105	600166	4.944	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	79861	4.762	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	473865	4.785	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	484103	4.813	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	279782	4.931	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	279635	4.911	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	251854	4.826	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	18396	4.992	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	208069	4.860	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	169713	4.794	ug/L	99
71) Naphthalene	14.084	128	257532	4.474	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	146750	4.825	ug/L	97

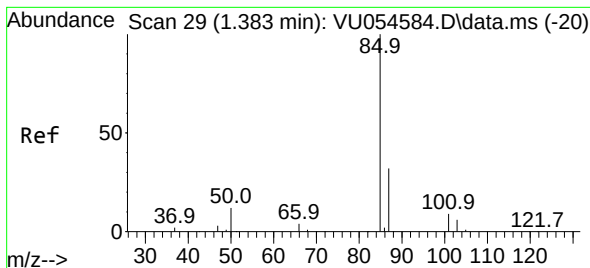
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU054612.D
Acq On : 20 Jun 2023 14:59
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Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

Quant Time: Jun 21 03:59:56 2023
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QLast Update : Sat Jun 17 06:10:25 2023
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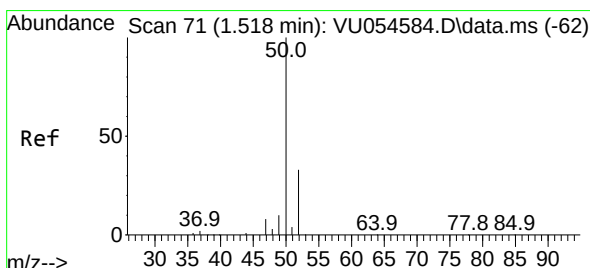
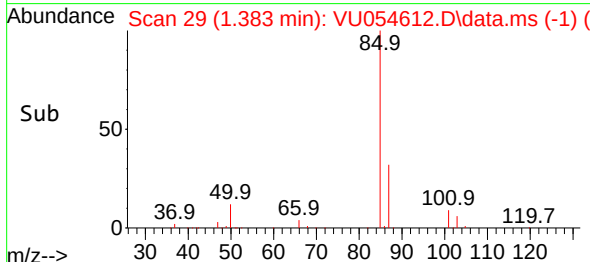
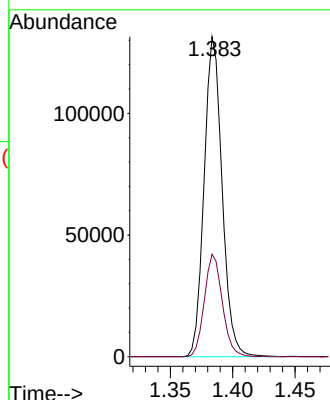
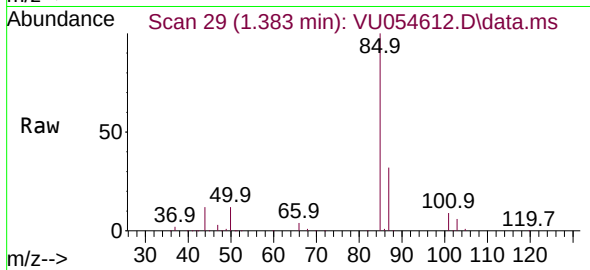




#2
 Dichlorodifluoromethane
 Concen: 4.258 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

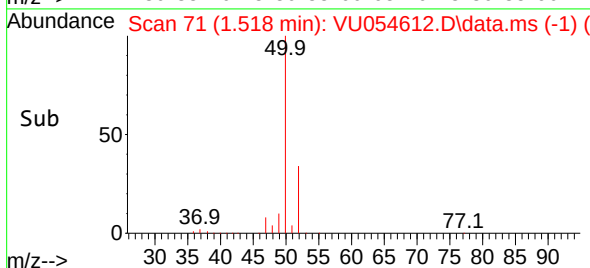
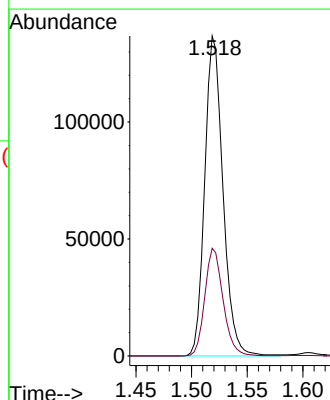
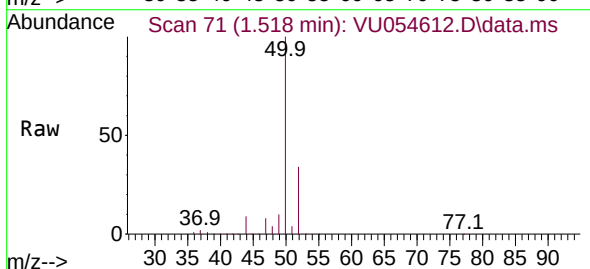
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005191

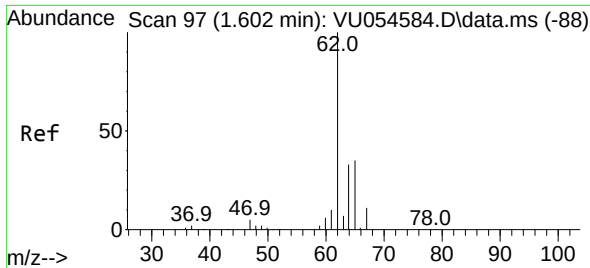
Tgt Ion: 85 Resp: 132236
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.4 38.2



#3
 Chloromethane
 Concen: 4.374 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

Tgt Ion: 50 Resp: 156019
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.4 43.4

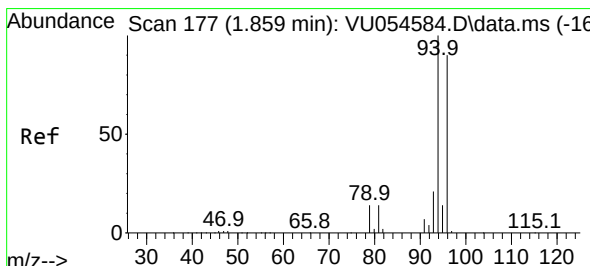
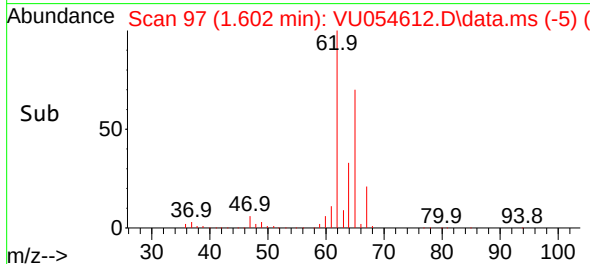
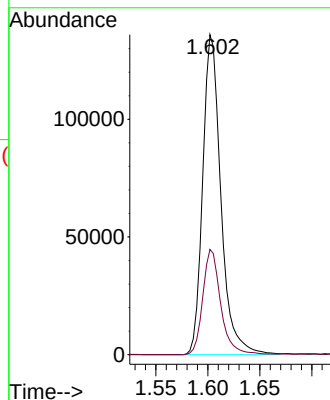
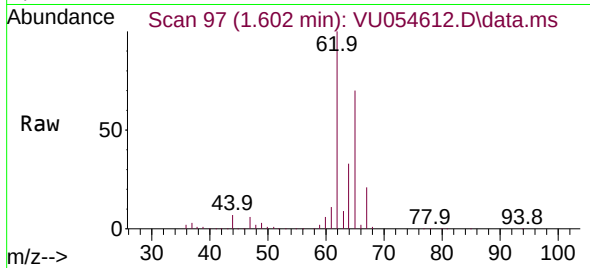




#5
 Vinyl chloride
 Concen: 4.515 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

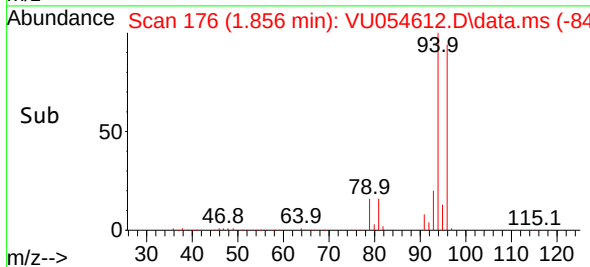
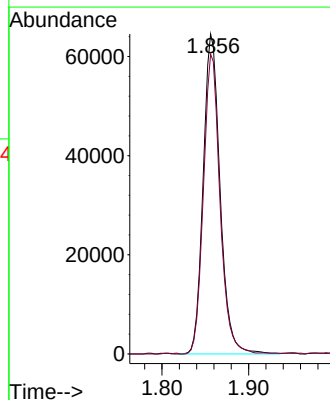
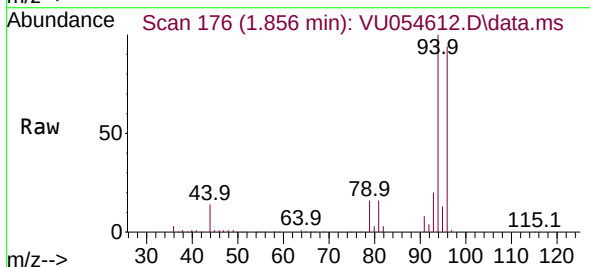
Instrument :
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 ClientSampleId :
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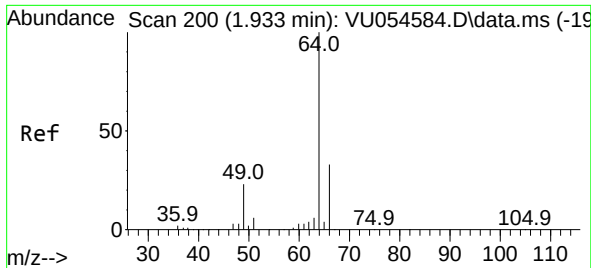
Tgt Ion: 62 Resp: 165322
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.0 42.6



#6
 Bromomethane
 Concen: 4.347 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.003 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

Tgt Ion: 94 Resp: 87504
 Ion Ratio Lower Upper
 94 100
 96 93.7 63.6 118.2

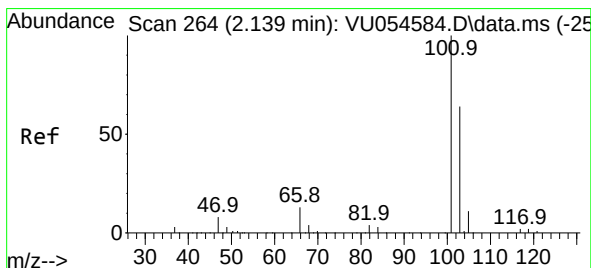
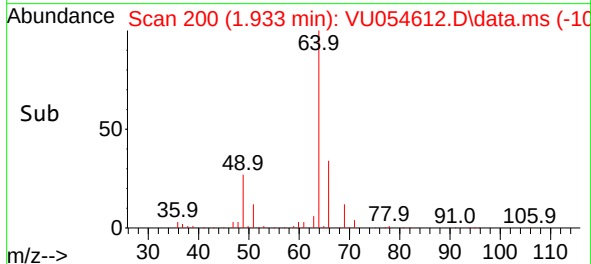
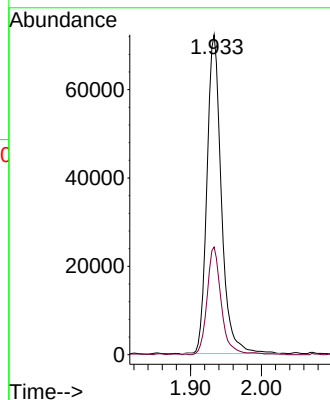
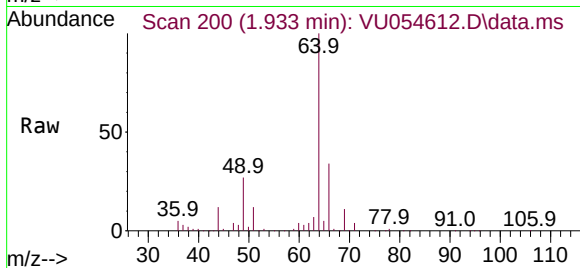




#8
Chloroethane
Concen: 4.636 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

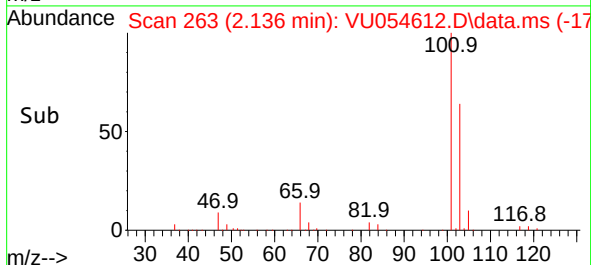
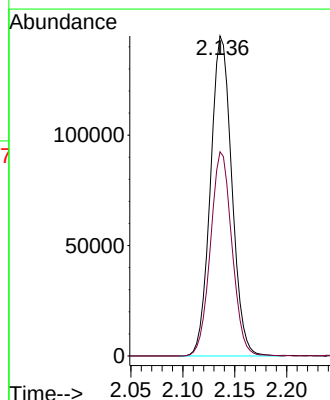
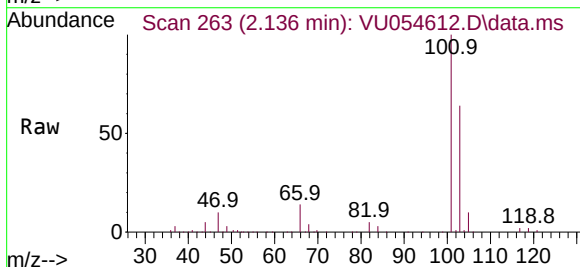
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

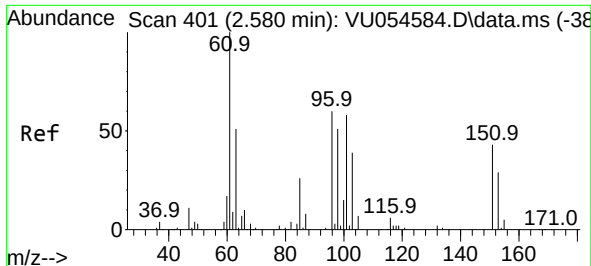
Tgt Ion: 64 Resp: 101748
Ion Ratio Lower Upper
64 100
66 33.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.601 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.003 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion:101 Resp: 207082
Ion Ratio Lower Upper
101 100
103 64.3 50.6 75.8

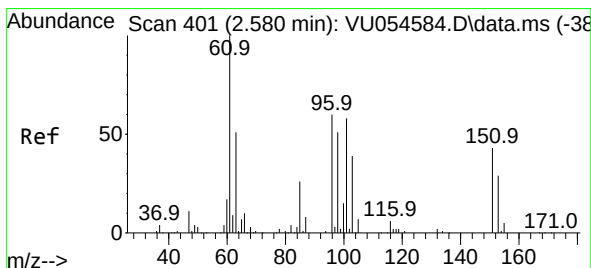
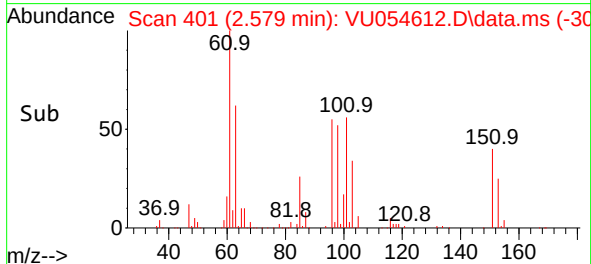
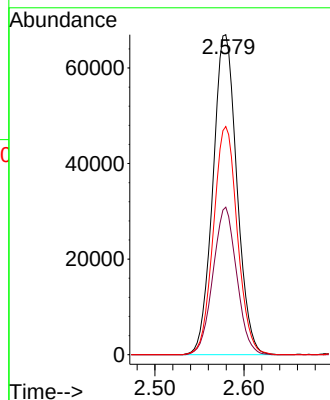
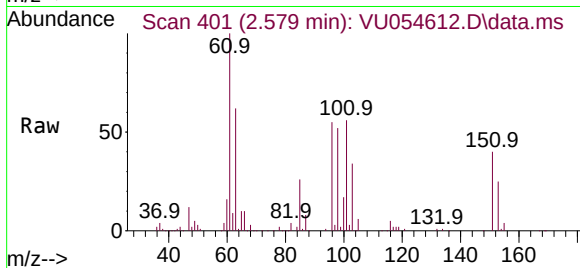




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.752 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

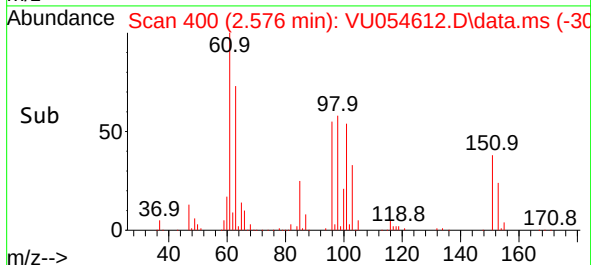
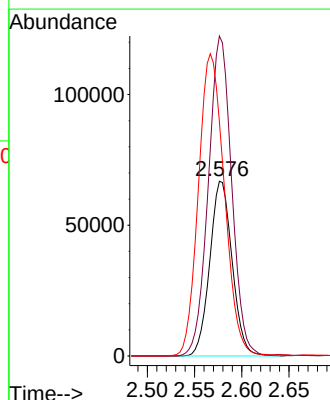
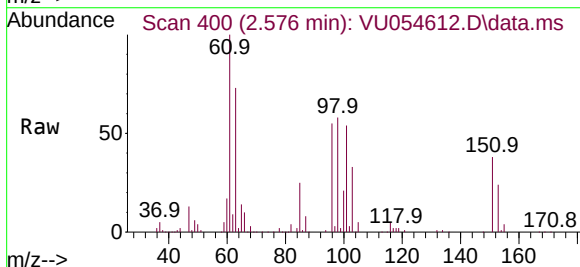
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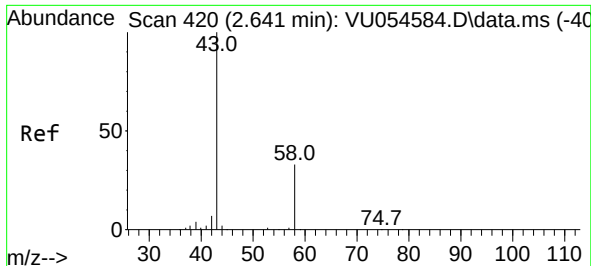
Tgt Ion:101 Resp: 125145
 Ion Ratio Lower Upper
 101 100
 85 45.5 34.6 51.8
 151 71.3 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.562 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

Tgt Ion: 96 Resp: 109955
 Ion Ratio Lower Upper
 96 100
 61 183.1 119.9 222.7
 63 134.1 64.3 119.3#





#13

Acetone

Concen: 55.014 ug/L

RT: 2.634 min Scan# 418

Delta R.T. -0.006 min

Lab File: VU054612.D

Acq: 20 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

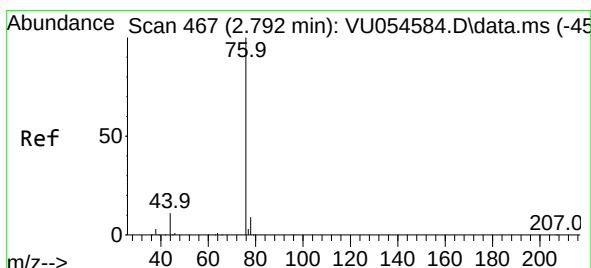
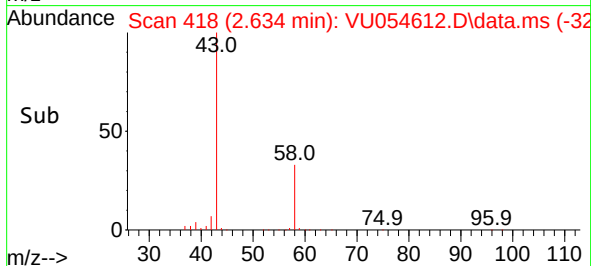
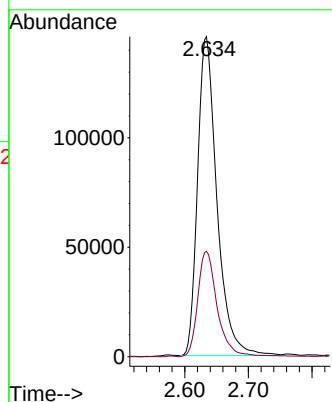
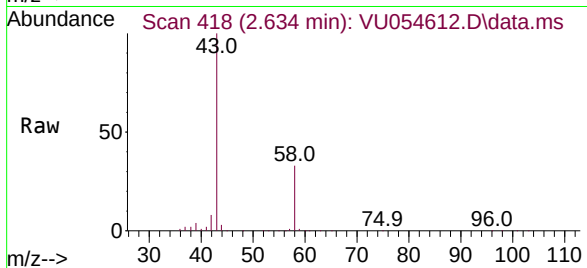
VSTD005191

Tgt Ion: 43 Resp: 308447

Ion Ratio Lower Upper

43 100

58 33.2 0.0 67.2



#14

Carbon disulfide

Concen: 4.143 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054612.D

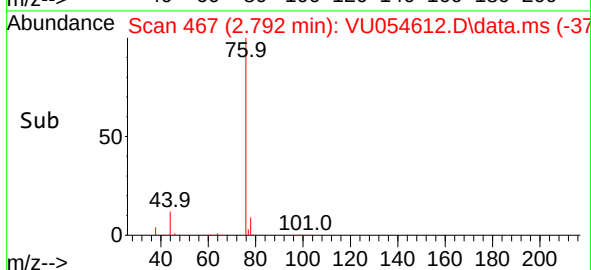
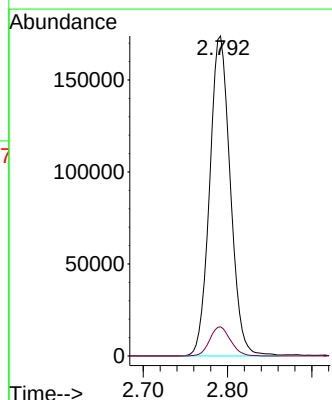
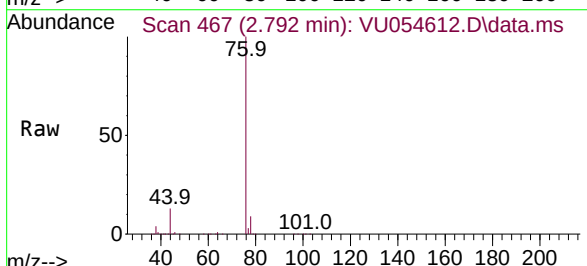
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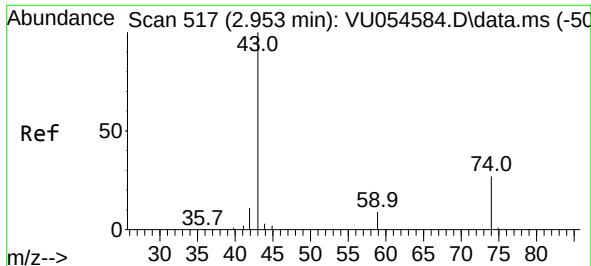
Tgt Ion: 76 Resp: 296146

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

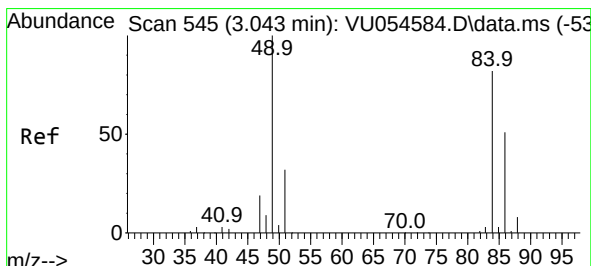
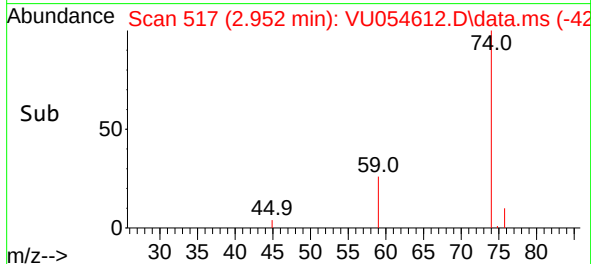
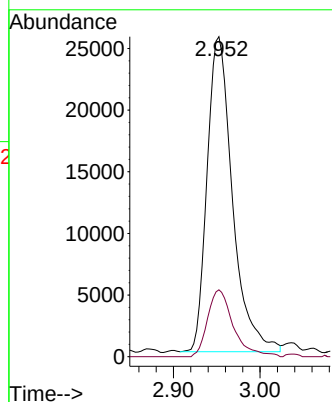
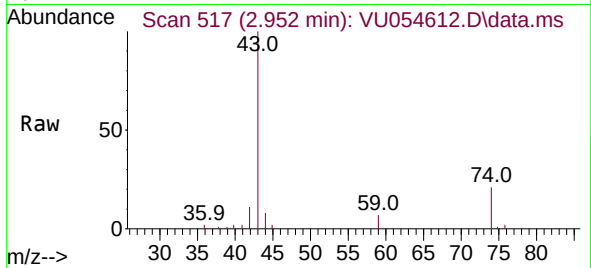




#15
Methyl Acetate
Concen: 5.014 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.003 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

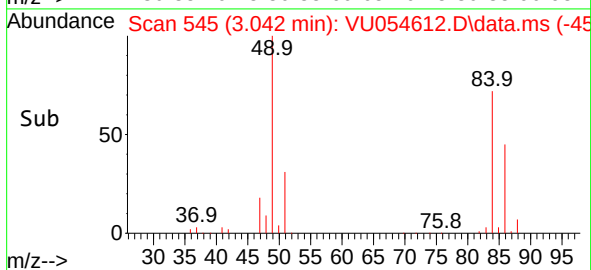
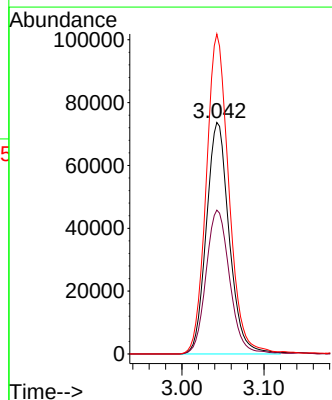
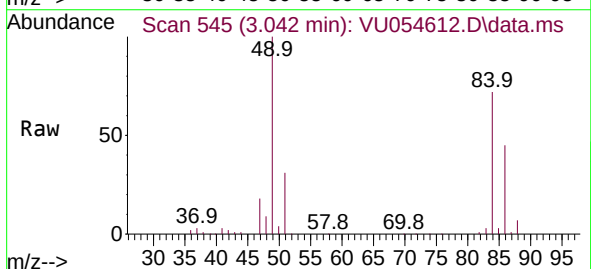
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

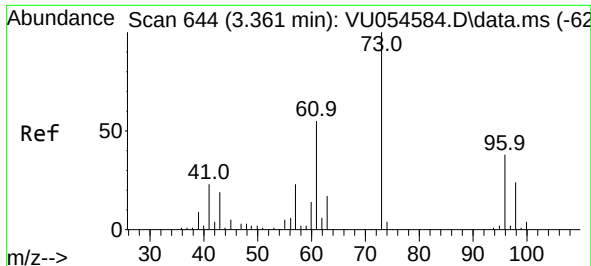
Tgt Ion: 43 Resp: 52091
Ion Ratio Lower Upper
43 100
74 21.4 19.0 28.6



#16
Methylene chloride
Concen: 4.217 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion: 84 Resp: 142939
Ion Ratio Lower Upper
84 100
86 62.2 43.9 81.5
49 138.2 86.1 159.9

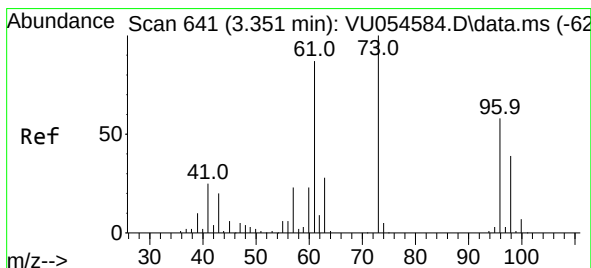
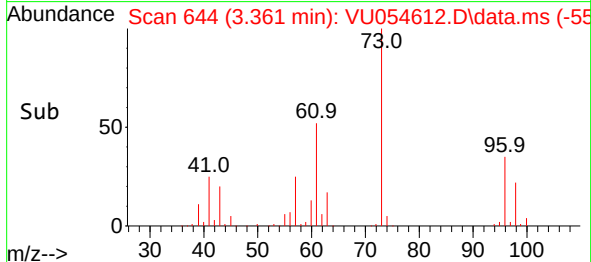
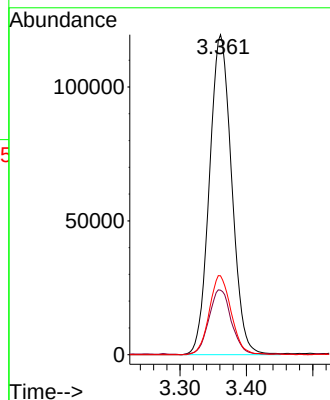
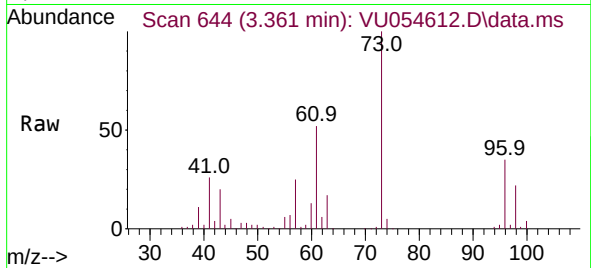




#17
Methyl tert-butyl Ether
Concen: 4.679 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

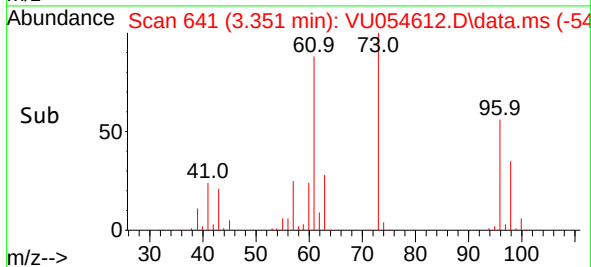
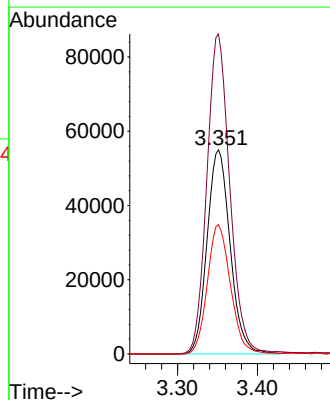
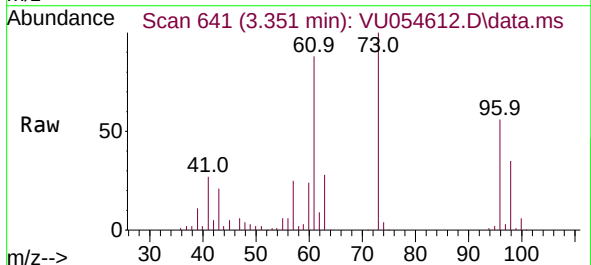
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

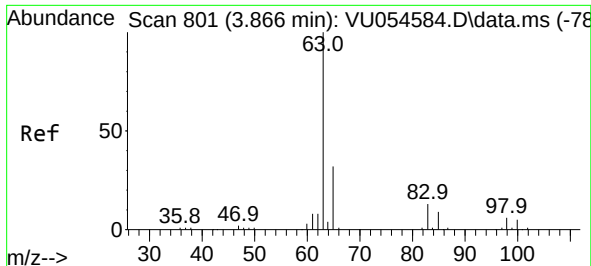
Tgt Ion: 73 Resp: 278384
Ion Ratio Lower Upper
73 100
43 20.6 15.7 23.5
57 24.3 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.446 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion: 96 Resp: 110655
Ion Ratio Lower Upper
96 100
61 156.7 104.6 194.2
98 63.3 45.4 84.4

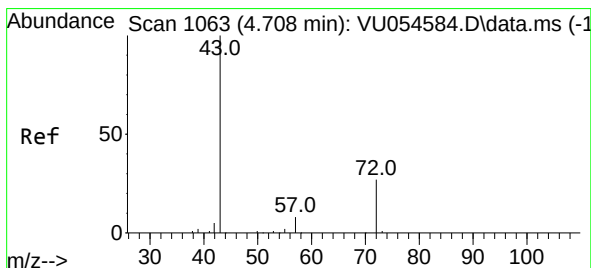
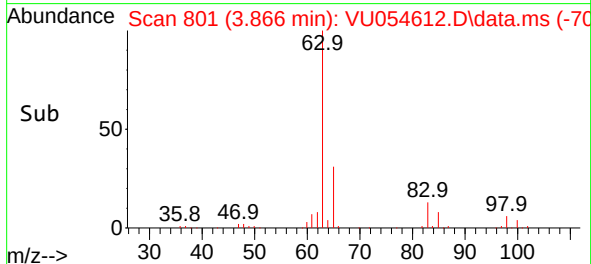
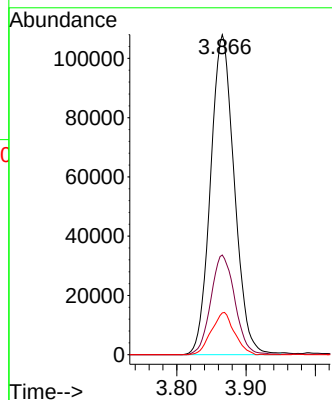
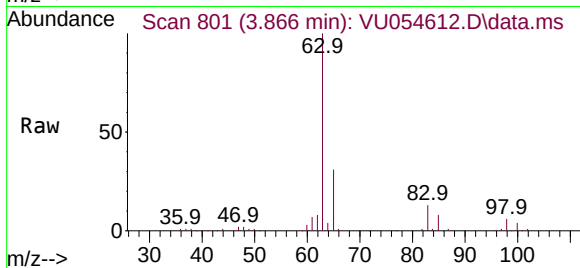




#19
1,1-Dichloroethane
Concen: 4.996 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

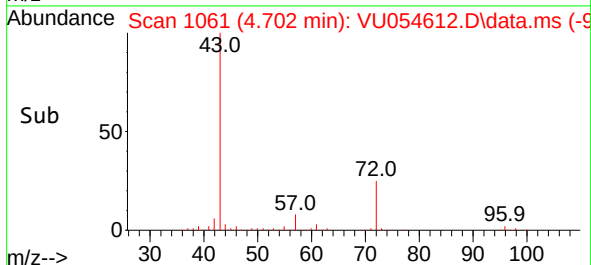
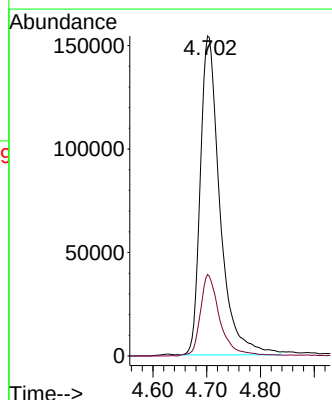
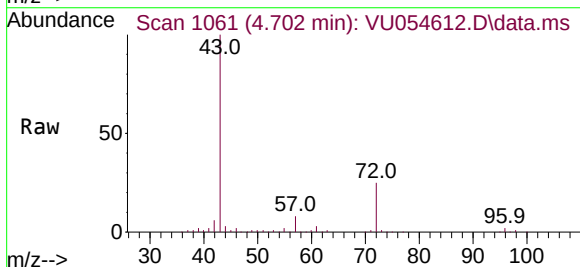
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

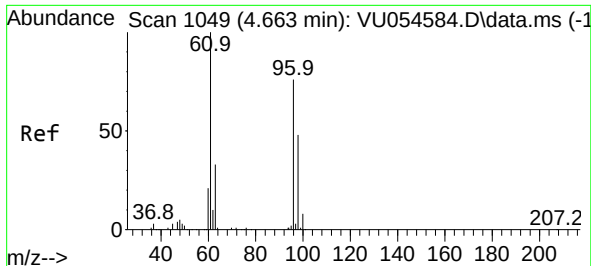
Tgt Ion: 63 Resp: 257320
Ion Ratio Lower Upper
63 100
65 31.1 22.2 41.2
83 13.1 9.0 16.6



#21
2-Butanone
Concen: 53.634 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. -0.006 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion: 43 Resp: 390269
Ion Ratio Lower Upper
43 100
72 25.6 13.4 40.1

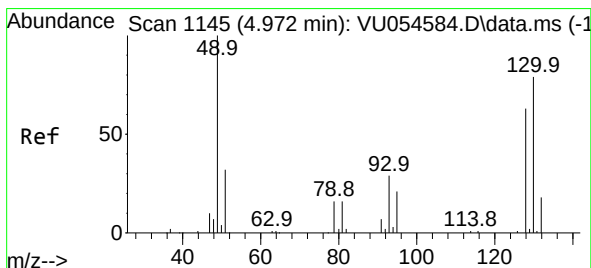
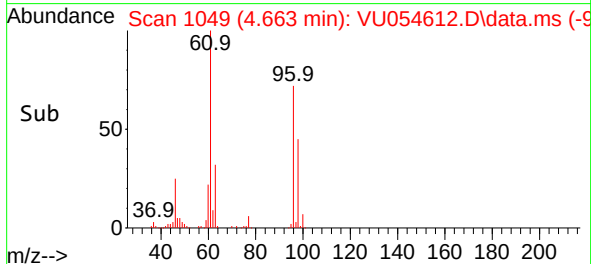
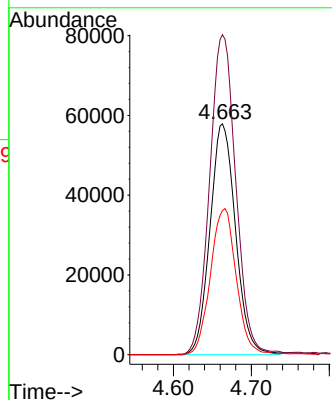
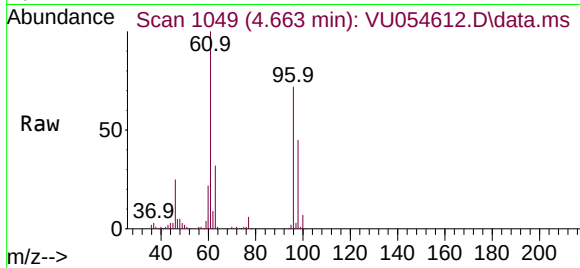




#22
 cis-1,2-Dichloroethene
 Concen: 4.667 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

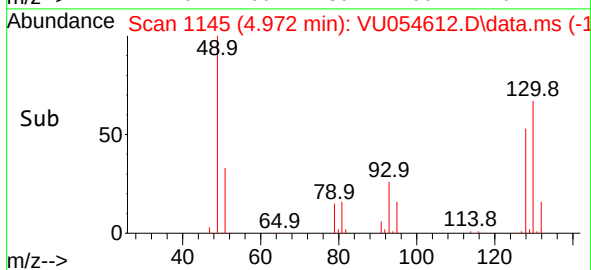
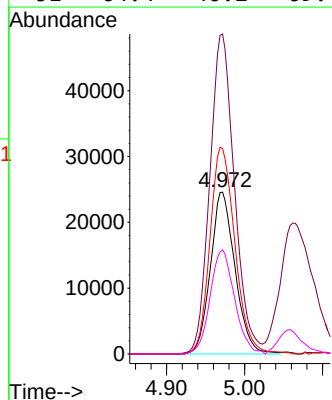
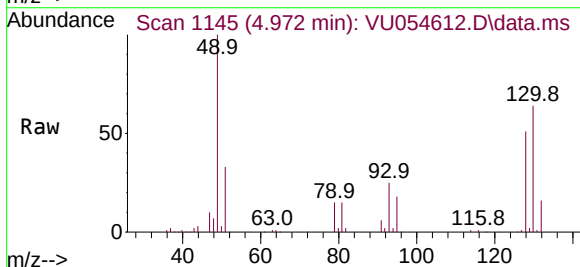
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005191

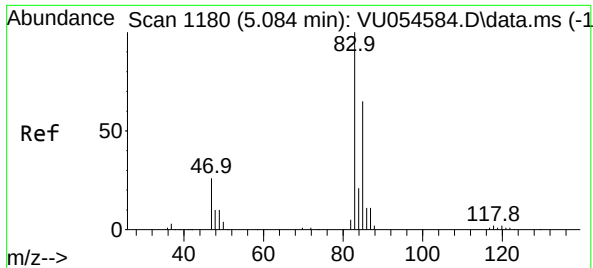
Tgt Ion: 96 Resp: 132267
 Ion Ratio Lower Upper
 96 100
 61 138.6 96.5 179.1
 98 62.5 44.9 83.3



#23
 Bromochloromethane
 Concen: 4.570 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

Tgt Ion: 128 Resp: 53891
 Ion Ratio Lower Upper
 128 100
 49 197.7 132.1 245.3
 130 126.9 91.5 169.9
 51 64.4 46.2 69.4

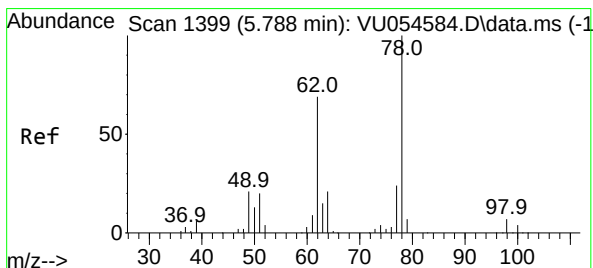
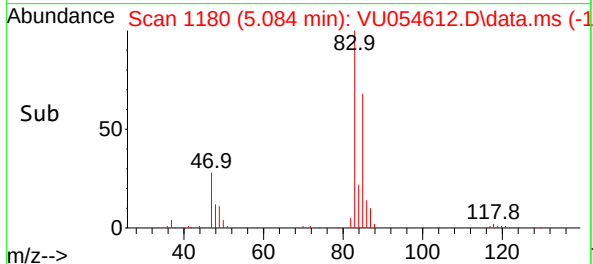
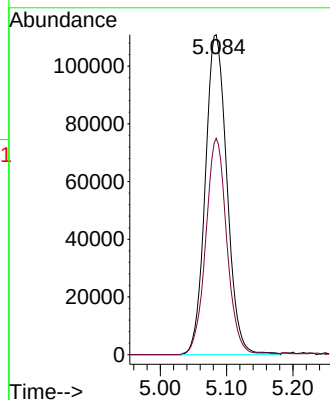
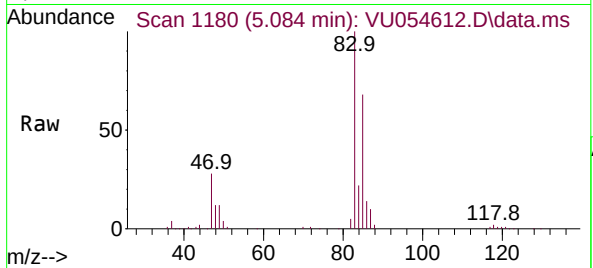




#25
Chloroform
Concen: 4.949 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

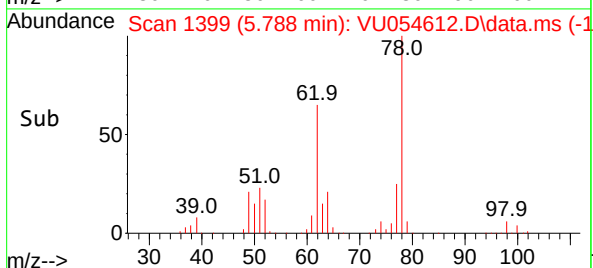
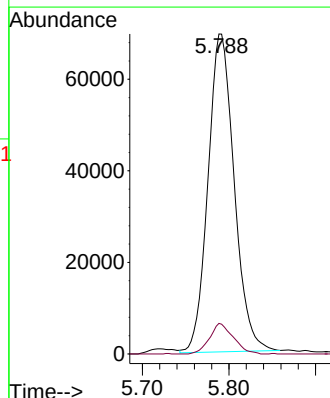
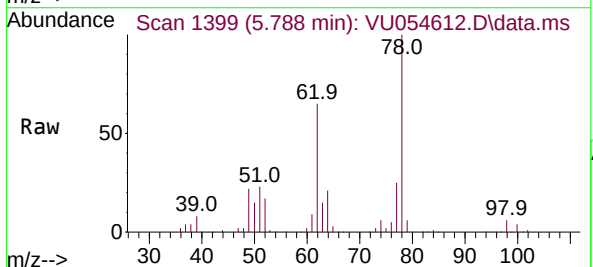
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

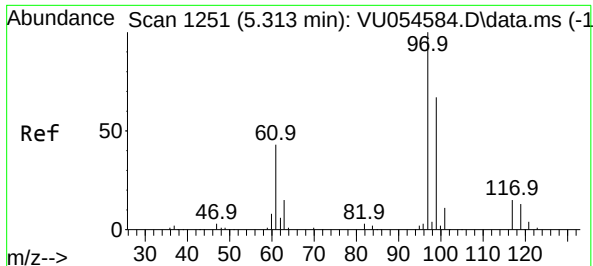
Tgt Ion: 83 Resp: 251281
Ion Ratio Lower Upper
83 100
85 67.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.903 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. -0.003 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion: 62 Resp: 145916
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.806 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054612.D

Acq: 20 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD005191

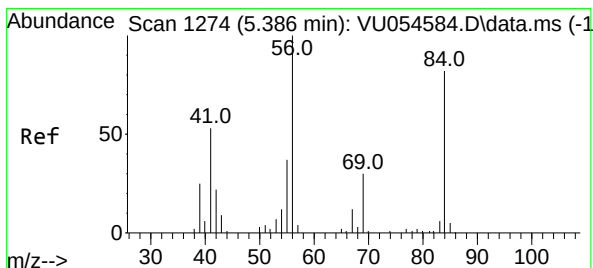
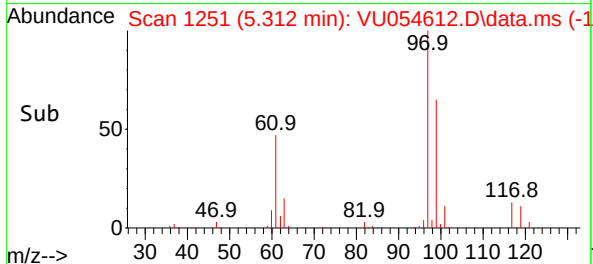
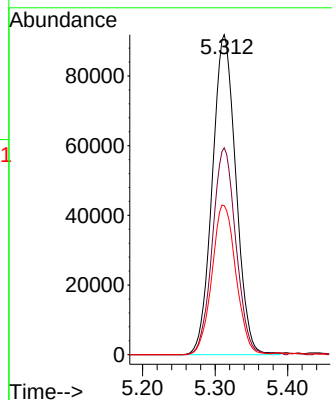
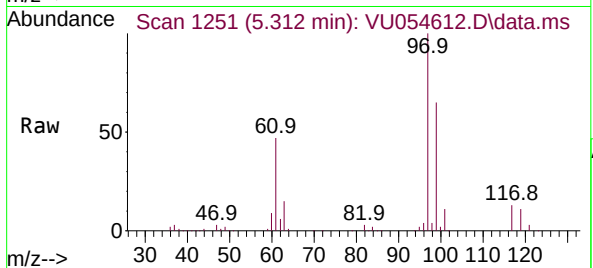
Tgt Ion: 97 Resp: 207590

Ion Ratio Lower Upper

97 100

99 64.4 50.8 76.2

61 47.5 36.1 54.1



#30

Cyclohexane

Concen: 4.514 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU054612.D

Acq: 20 Jun 2023 14:59

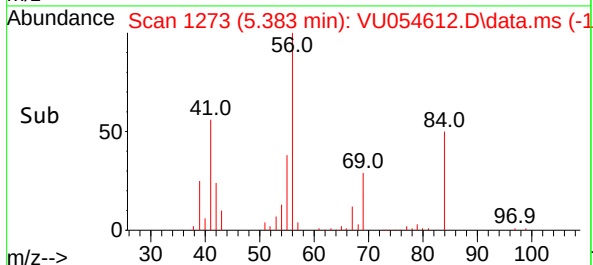
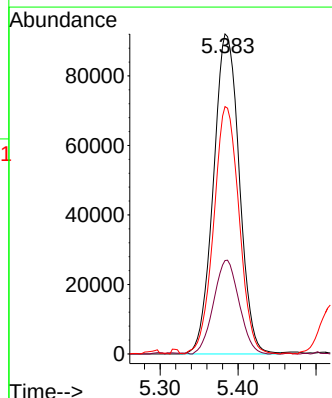
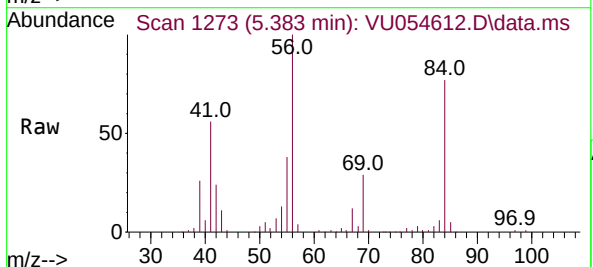
Tgt Ion: 56 Resp: 212346

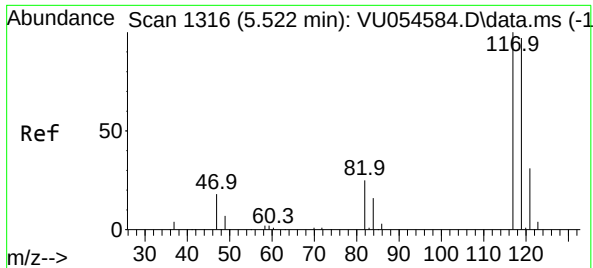
Ion Ratio Lower Upper

56 100

69 28.8 23.9 35.9

84 75.9 63.0 94.6

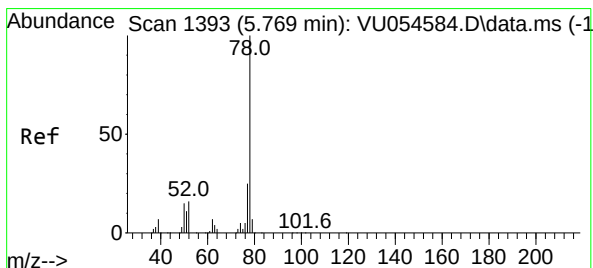
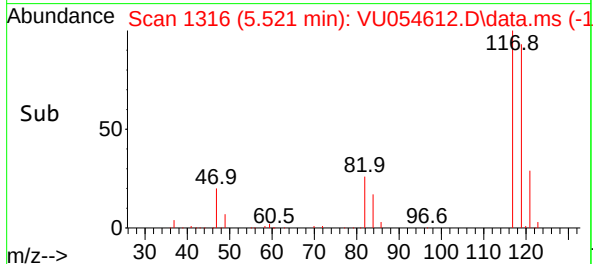
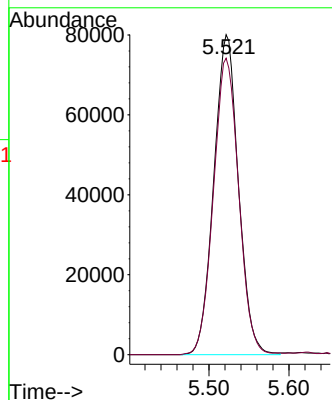
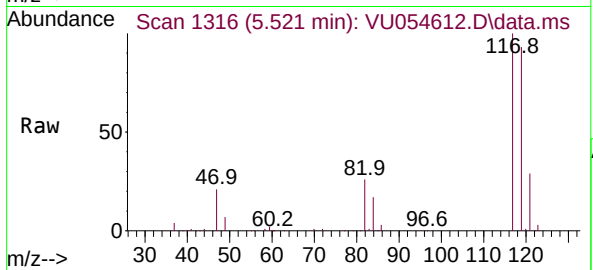




#31
Carbon tetrachloride
Concen: 4.597 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

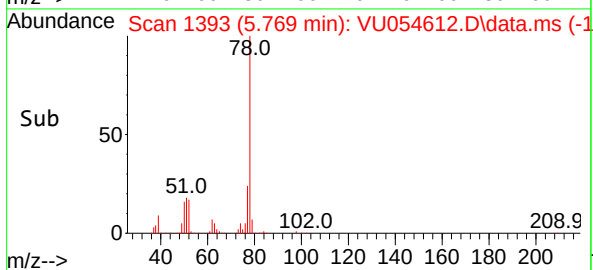
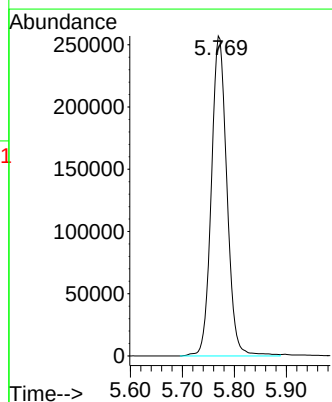
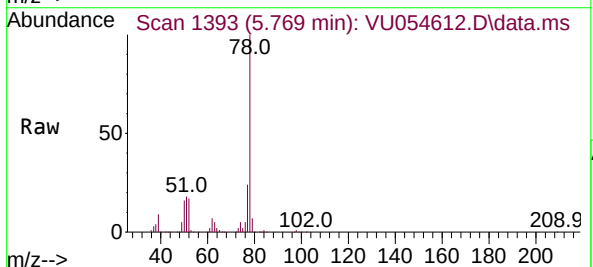
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

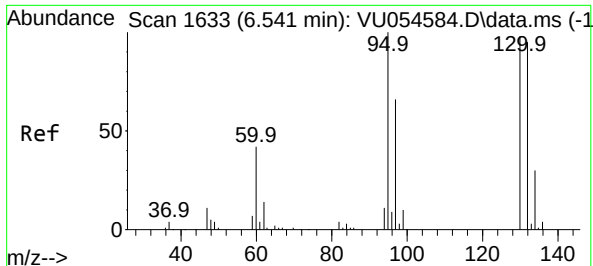
Tgt Ion:117 Resp: 171099
Ion Ratio Lower Upper
117 100
119 95.0 76.8 115.2



#33
Benzene
Concen: 4.672 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion: 78 Resp: 534844

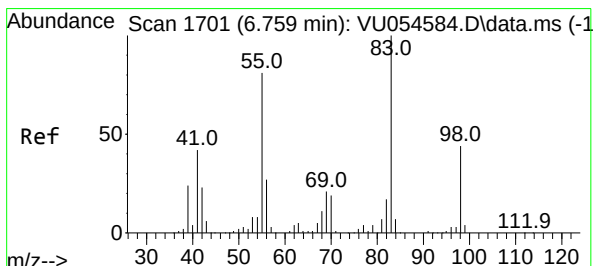
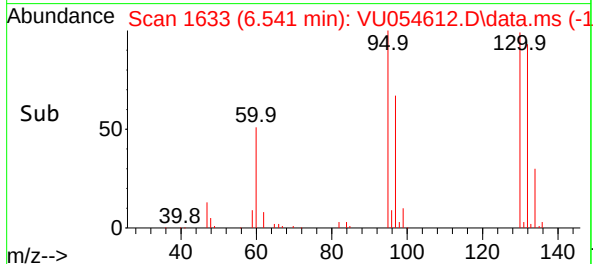
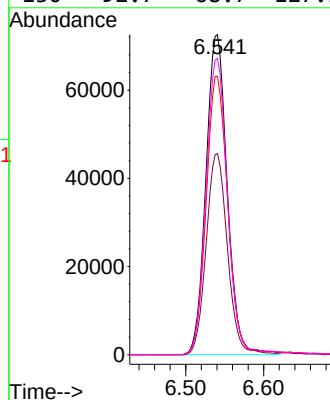
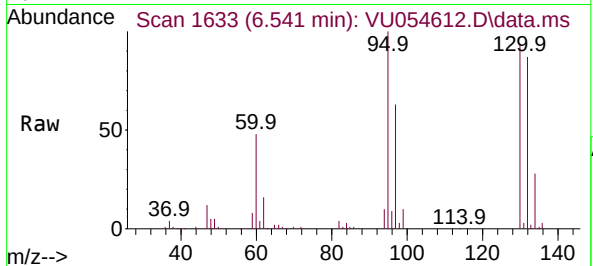




#34
Trichloroethene
Concen: 4.559 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

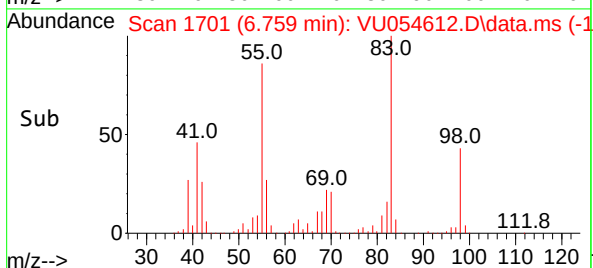
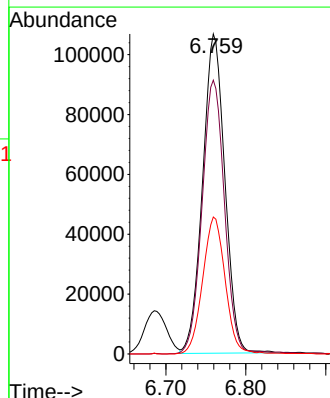
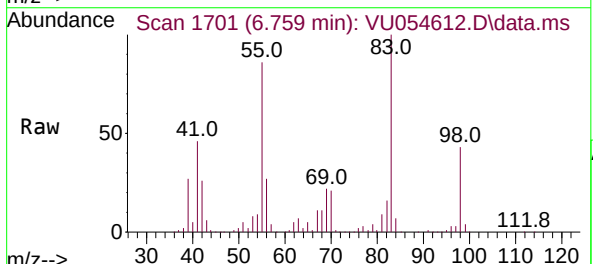
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

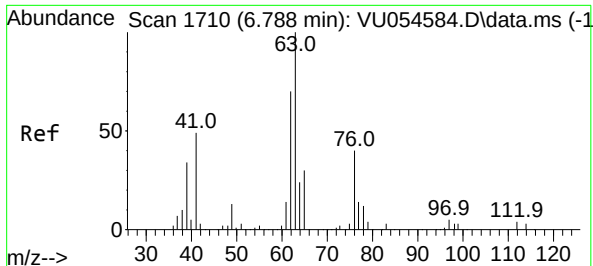
Tgt Ion: 95 Resp: 138018
Ion Ratio Lower Upper
95 100
97 62.8 46.8 87.0
132 87.0 68.4 127.0
130 92.7 68.7 127.5



#35
Methylcyclohexane
Concen: 4.517 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion: 83 Resp: 206688
Ion Ratio Lower Upper
83 100
55 86.6 67.1 100.7
98 43.1 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.818 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054612.D

Acq: 20 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

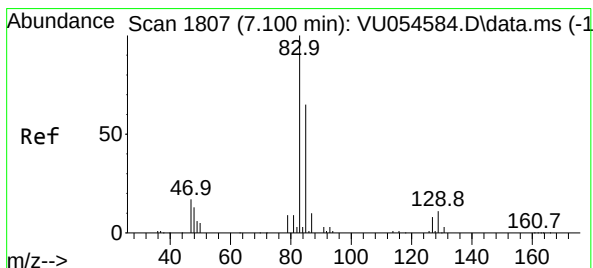
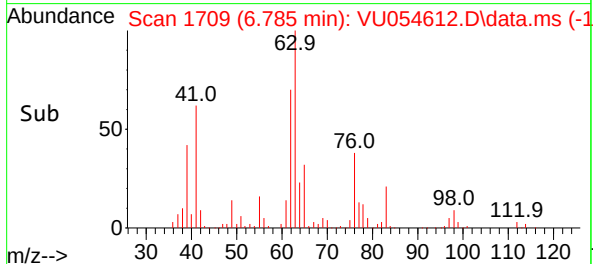
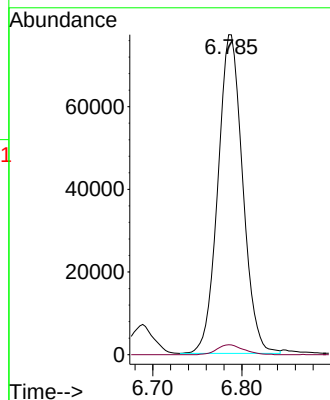
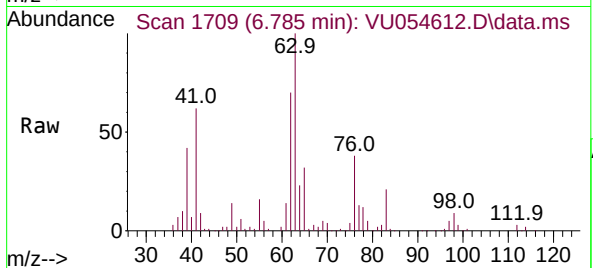
VSTD005191

Tgt Ion: 63 Resp: 149137

Ion Ratio Lower Upper

63 100

112 3.3 3.0 4.6



#38

Bromodichloromethane

Concen: 4.899 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU054612.D

Acq: 20 Jun 2023 14:59

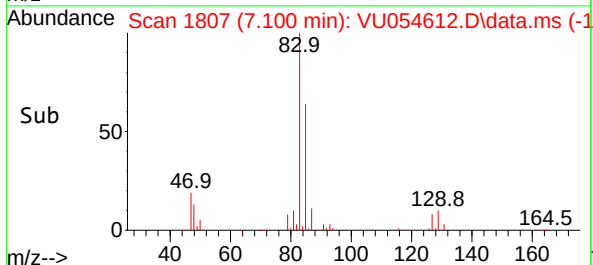
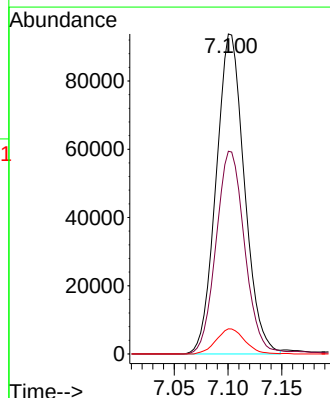
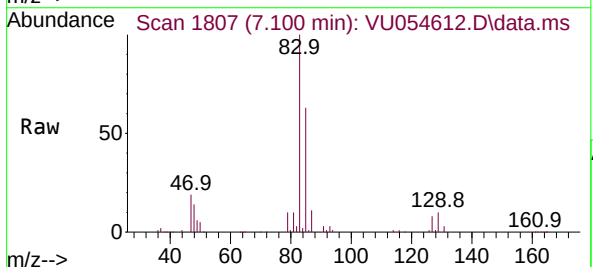
Tgt Ion: 83 Resp: 171659

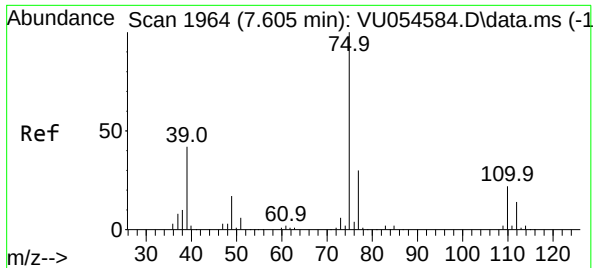
Ion Ratio Lower Upper

83 100

85 63.4 44.1 81.9

127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.877 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU054612.D

Acq: 20 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

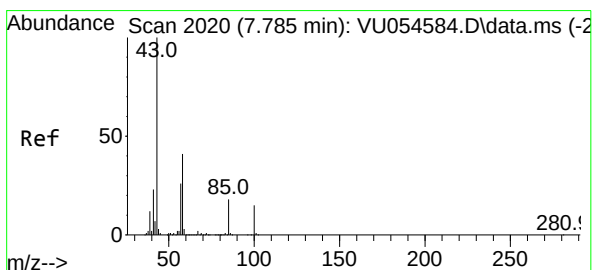
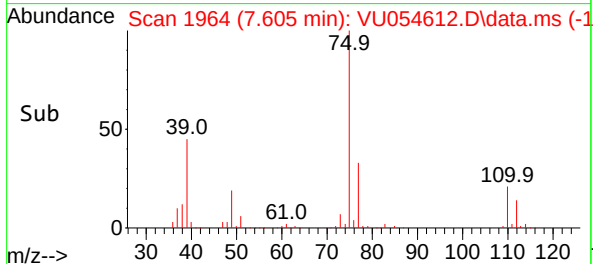
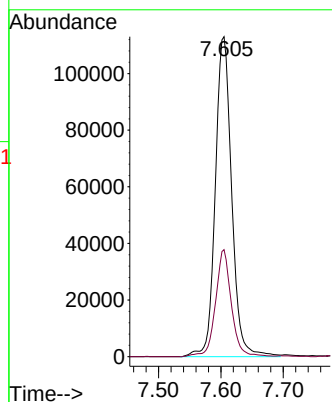
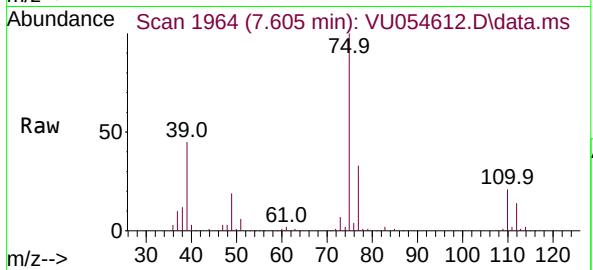
VSTD005191

Tgt Ion: 75 Resp: 206079

Ion Ratio Lower Upper

75 100

77 33.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 50.621 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU054612.D

Acq: 20 Jun 2023 14:59

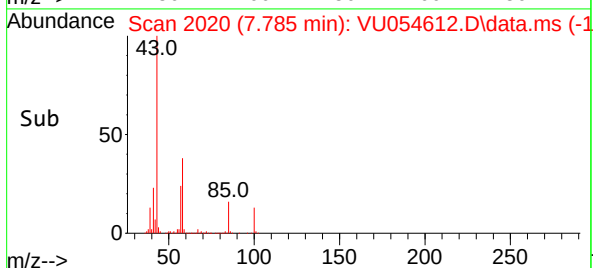
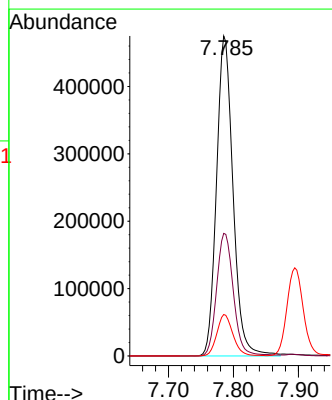
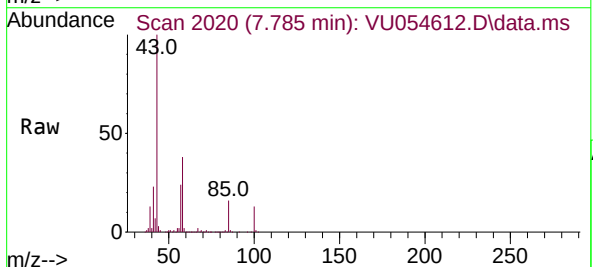
Tgt Ion: 43 Resp: 836135

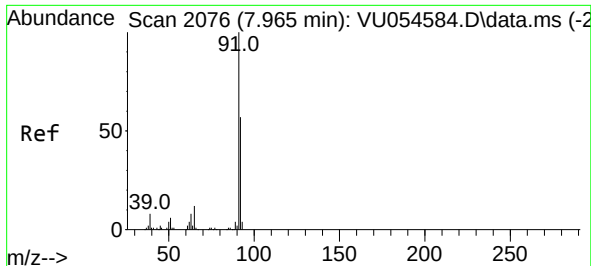
Ion Ratio Lower Upper

43 100

58 38.9 32.4 48.6

100 12.7 11.4 17.2





#42

Toluene

Concen: 4.808 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054612.D

Acq: 20 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

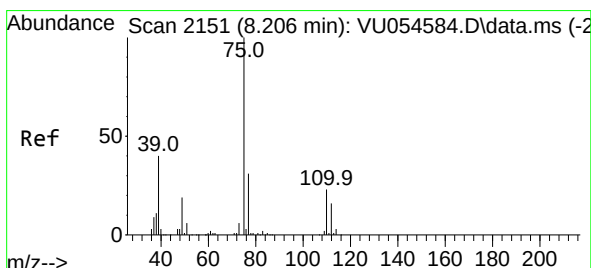
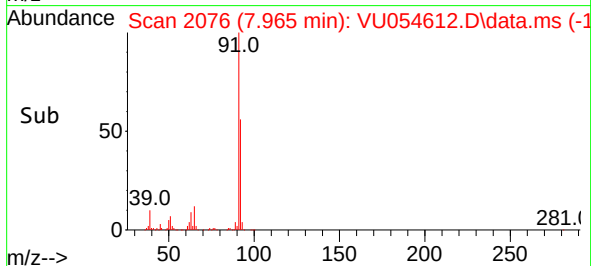
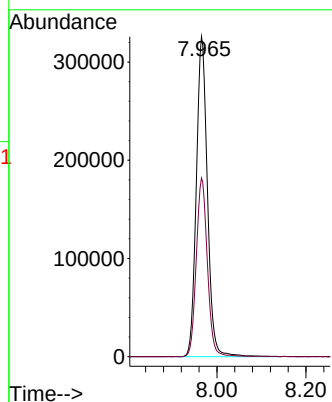
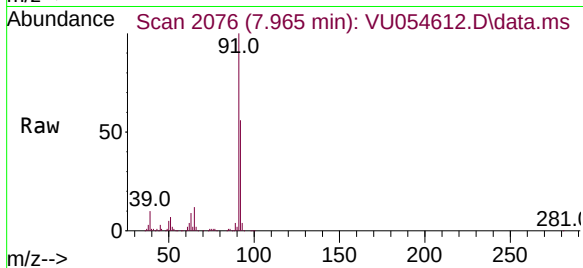
VSTD005191

Tgt Ion: 91 Resp: 566872

Ion Ratio Lower Upper

91 100

92 55.8 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.906 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054612.D

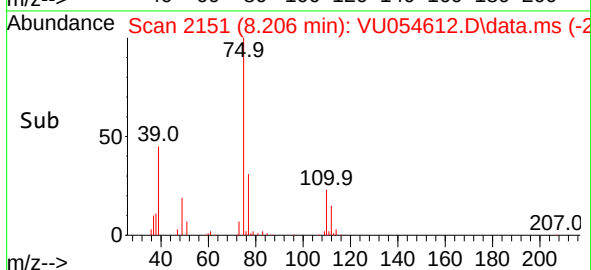
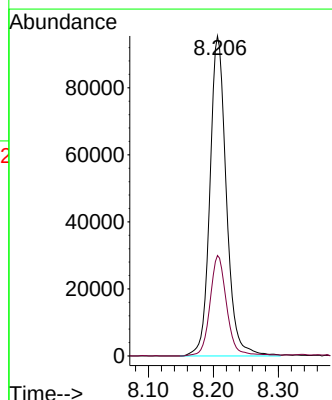
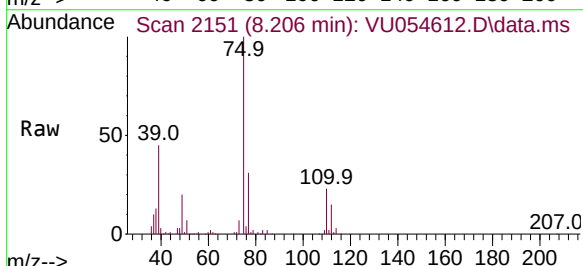
Acq: 20 Jun 2023 14:59

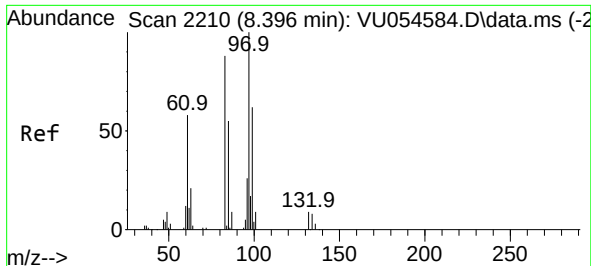
Tgt Ion: 75 Resp: 168254

Ion Ratio Lower Upper

75 100

77 31.4 21.3 39.6

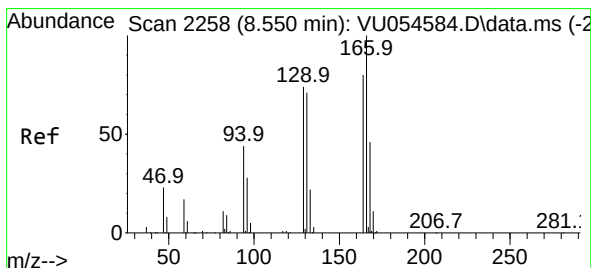
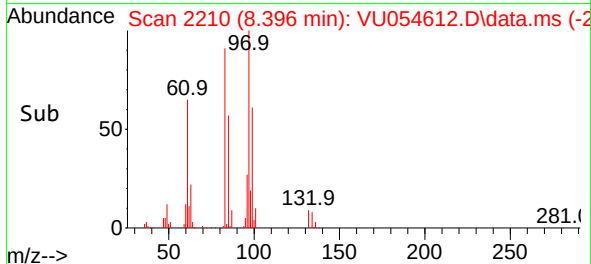
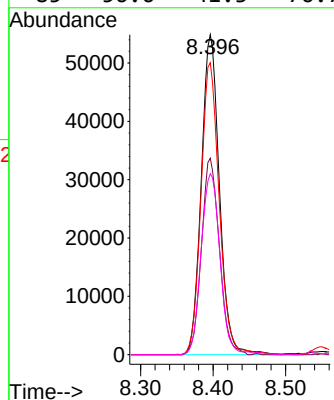
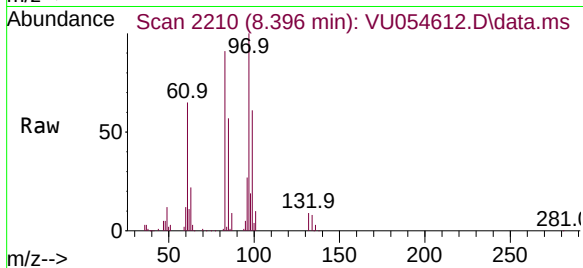




#45
1,1,2-Trichloroethane
Concen: 4.830 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

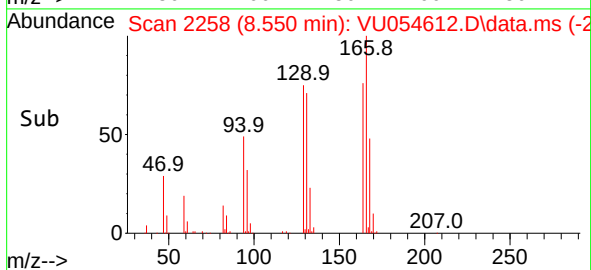
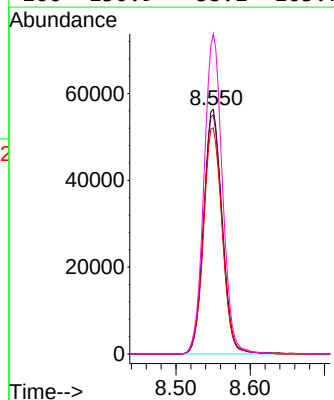
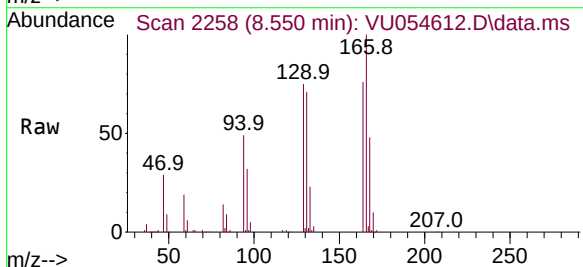
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

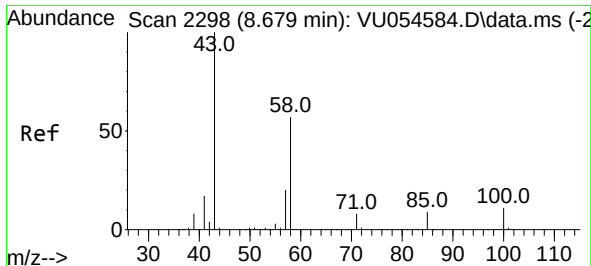
Tgt Ion: 97	Resp: 95111
Ion Ratio	Lower Upper
97 100	
99 61.4	43.0 80.0
83 91.3	63.8 118.6
85 56.6	41.3 76.7



#47
Tetrachloroethene
Concen: 4.211 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt	Ion:164	Resp:	97583
Ion	Ratio	Lower	Upper
164	100		
129	97.8	67.7	125.7
131	92.5	64.6	120.0
166	130.9	88.1	163.7



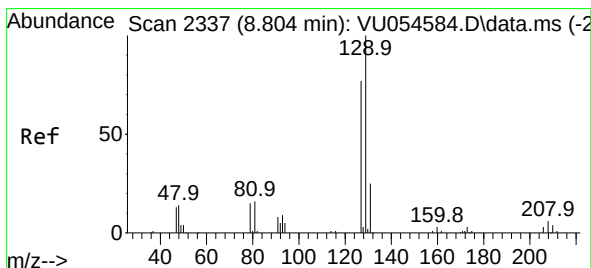
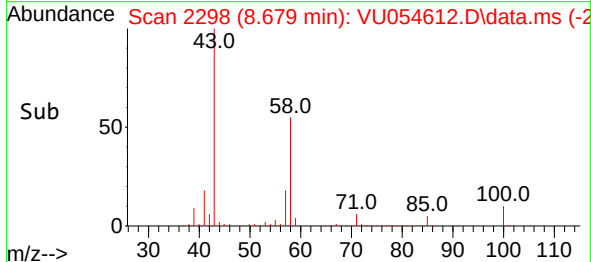
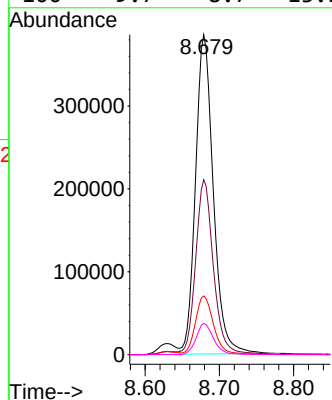
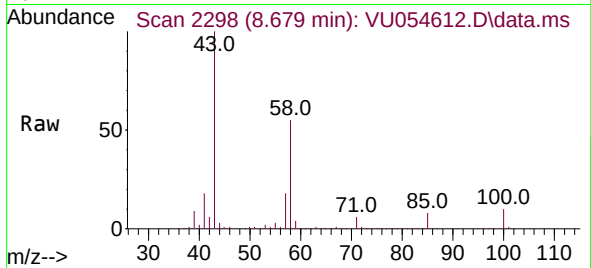


#48
2-Hexanone
Concen: 52.379 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

Tgt Ion: 43 Resp: 644656

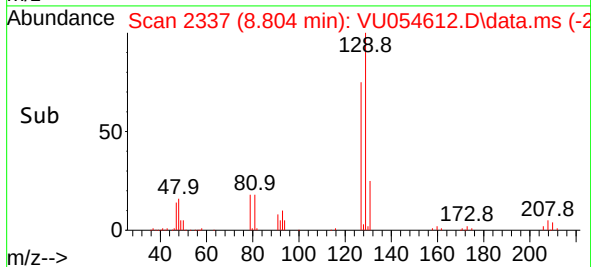
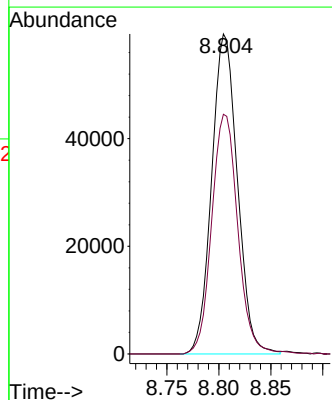
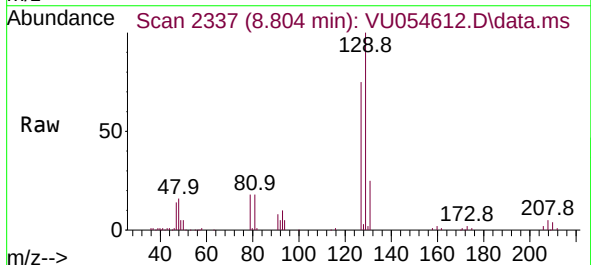
Ion	Ratio	Lower	Upper
43	100		
58	54.2	45.2	67.8
57	18.5	15.8	23.6
100	9.7	8.7	13.1

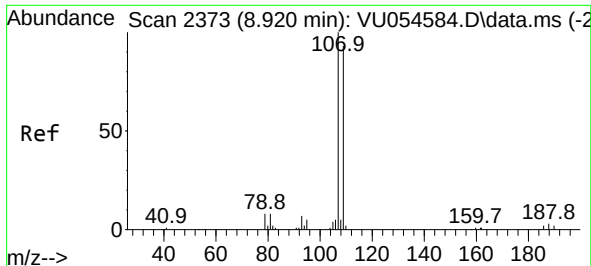


#49
Dibromochloromethane
Concen: 4.964 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion: 129 Resp: 102628

Ion	Ratio	Lower	Upper
129	100		
127	74.9	53.2	98.8

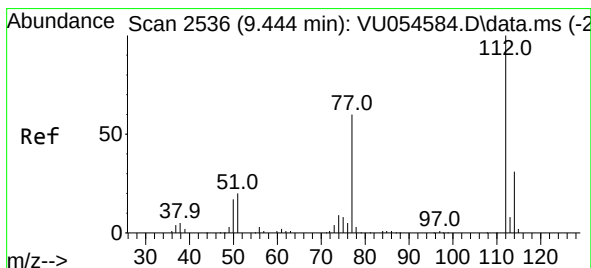
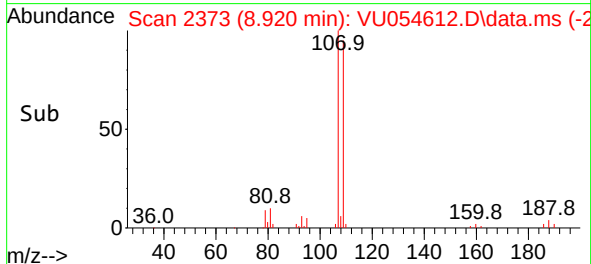
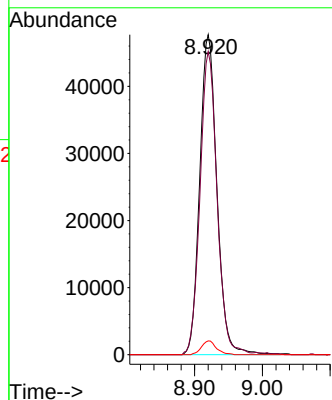
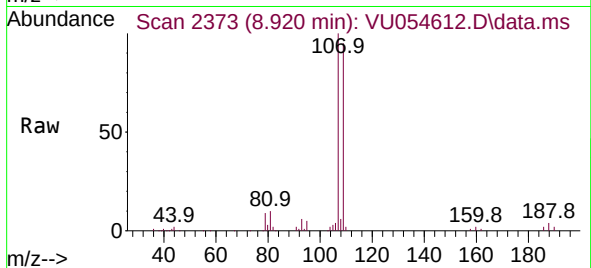




#50
1,2-Dibromoethane
Concen: 4.650 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

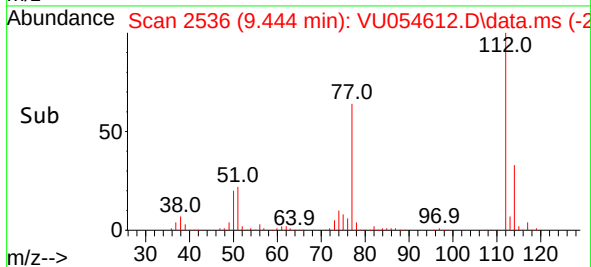
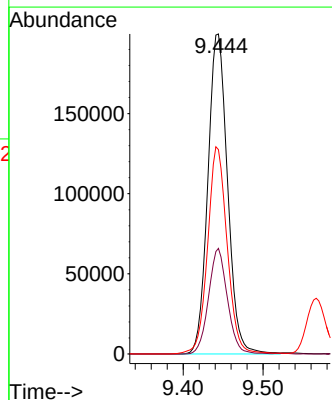
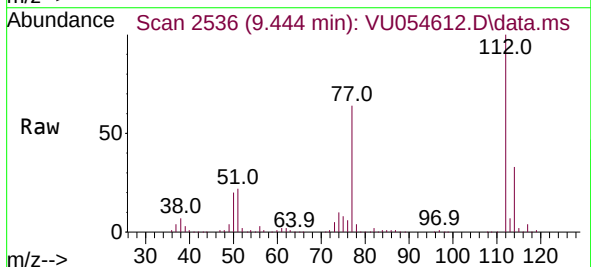
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

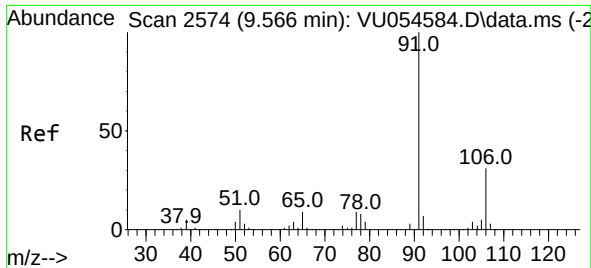
Tgt Ion:107 Resp: 84058
Ion Ratio Lower Upper
107 100
109 94.7 66.6 123.6
188 4.3 3.1 4.7



#51
Chlorobenzene
Concen: 4.650 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion:112 Resp: 341688
Ion Ratio Lower Upper
112 100
114 33.0 22.7 42.1
77 63.8 49.8 74.8

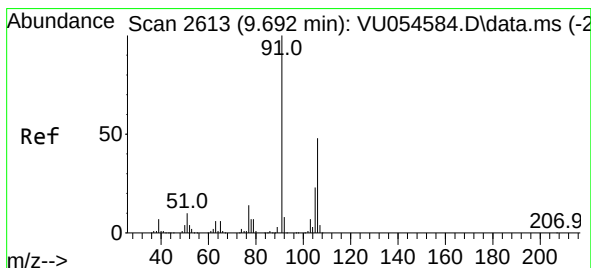
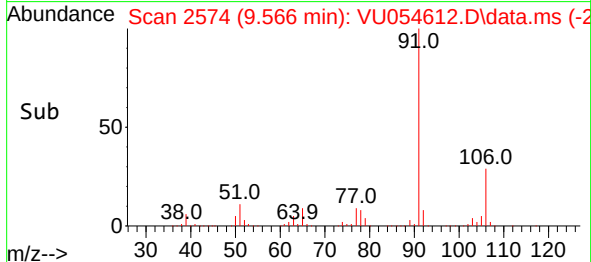
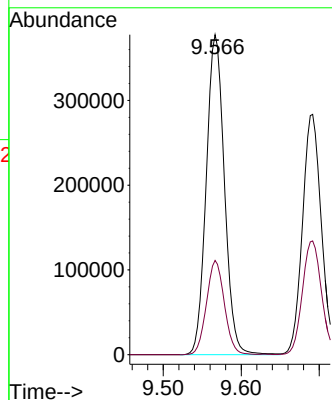
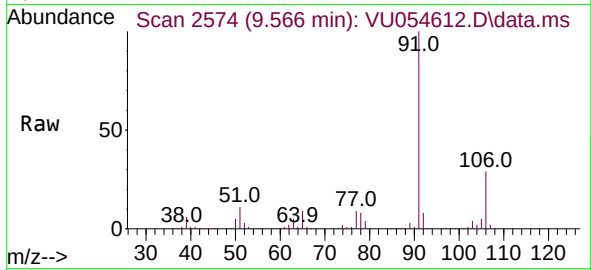




#52
Ethylbenzene
Concen: 4.754 ug/L
RT: 9.566 min Scan# 2100
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

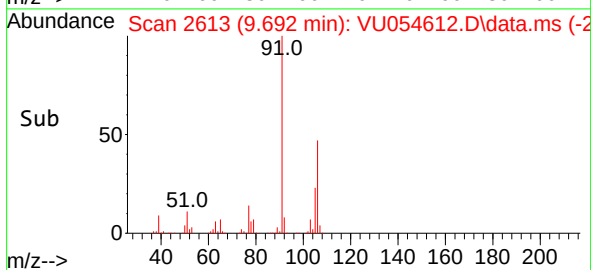
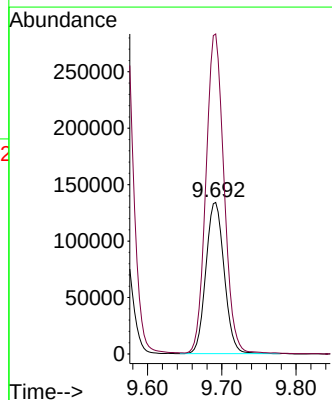
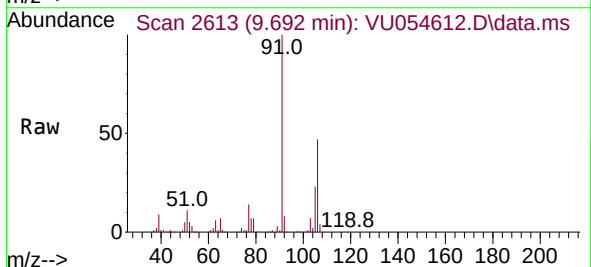
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

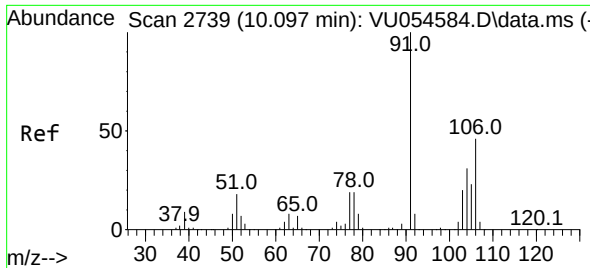
Tgt Ion: 91 Resp: 612010
Ion Ratio Lower Upper
91 100
106 29.4 21.1 39.3



#53
m,p-Xylene
Concen: 4.840 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion: 106 Resp: 228905
Ion Ratio Lower Upper
106 100
91 211.2 147.0 273.0

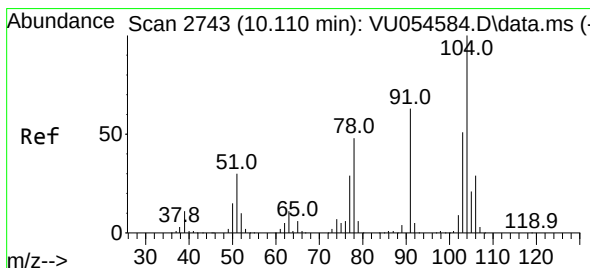
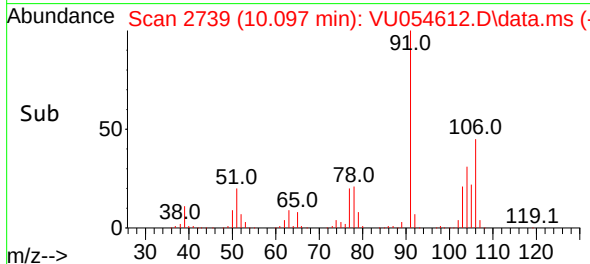
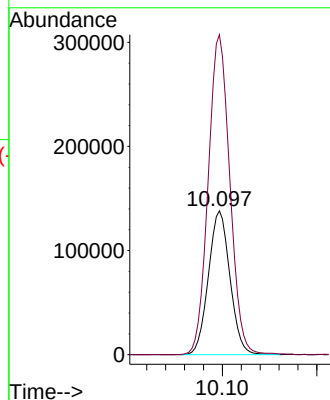
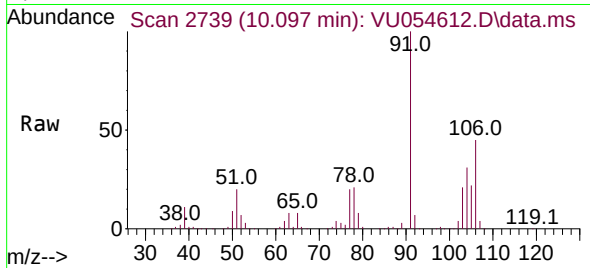




#54
o-Xylene
Concen: 4.780 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

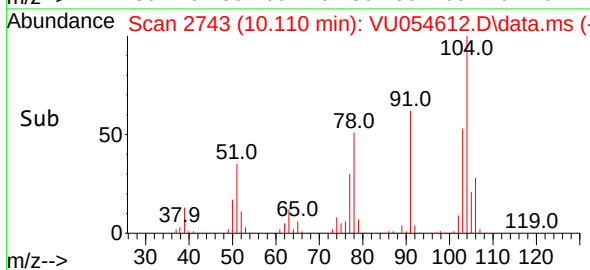
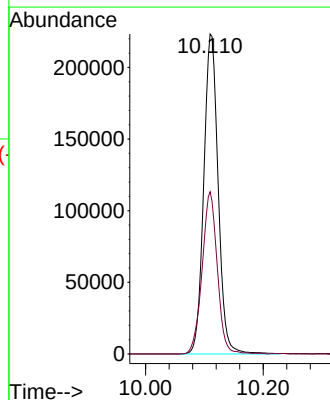
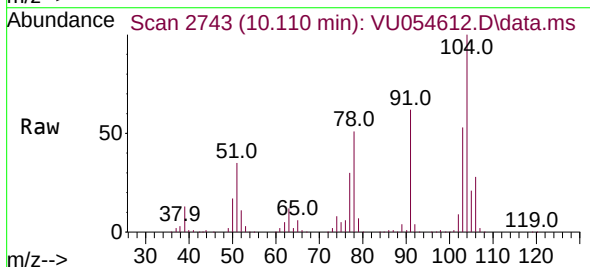
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

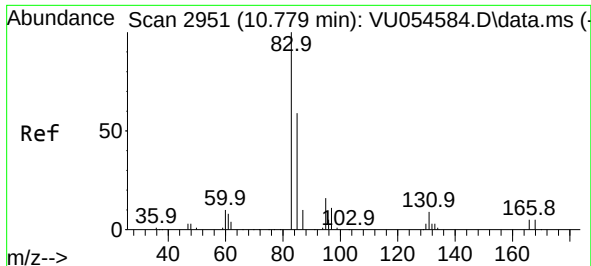
Tgt Ion:106 Resp: 218619
Ion Ratio Lower Upper
106 100
91 222.5 154.5 286.9



#55
Styrene
Concen: 4.943 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion:104 Resp: 379443
Ion Ratio Lower Upper
104 100
78 50.7 33.0 61.4

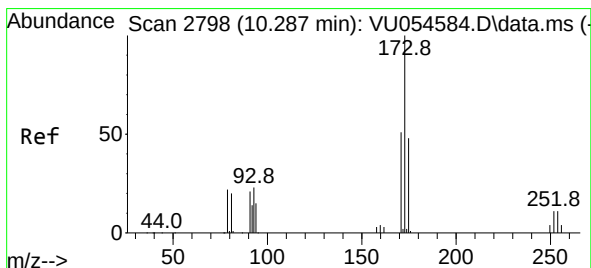
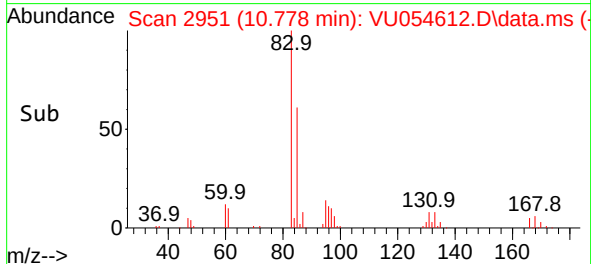
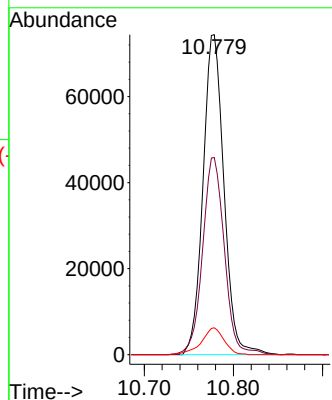
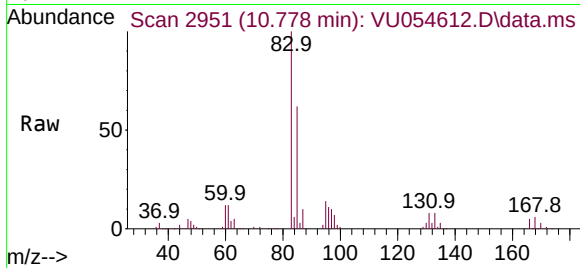




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.844 ug/L
 RT: 10.778 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

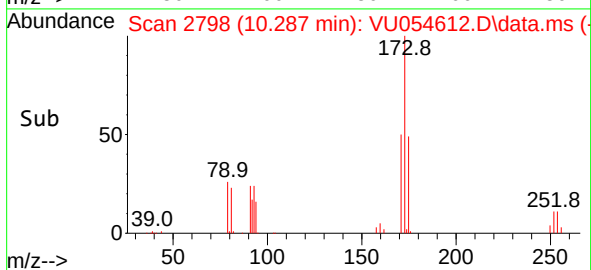
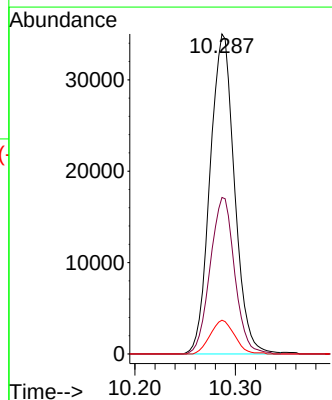
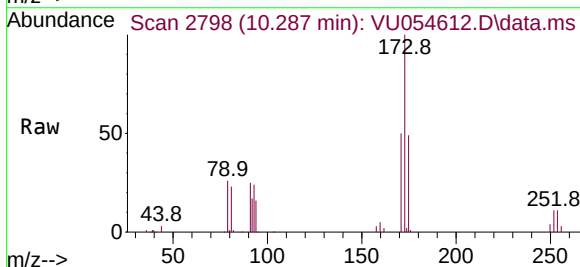
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005191

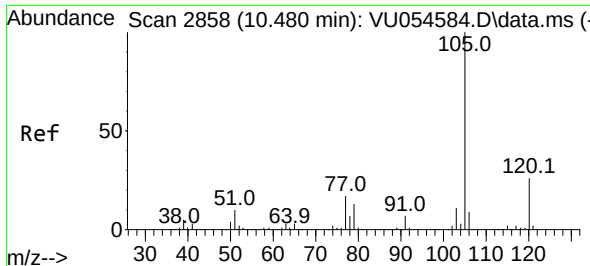
Tgt Ion: 83 Resp: 121152
 Ion Ratio Lower Upper
 83 100
 85 61.6 44.2 82.2
 131 8.4 7.0 10.6



#59
 Bromoform
 Concen: 4.966 ug/L
 RT: 10.287 min Scan# 2798
 Delta R.T. 0.000 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

Tgt Ion: 173 Resp: 59159
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.4 59.0
 254 10.5 8.6 12.8

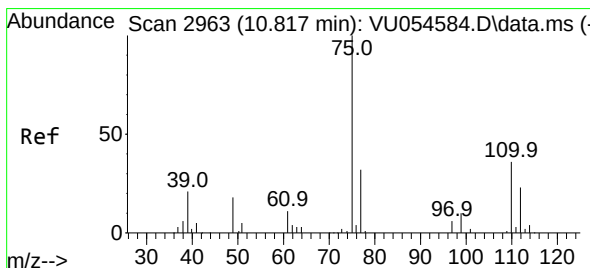
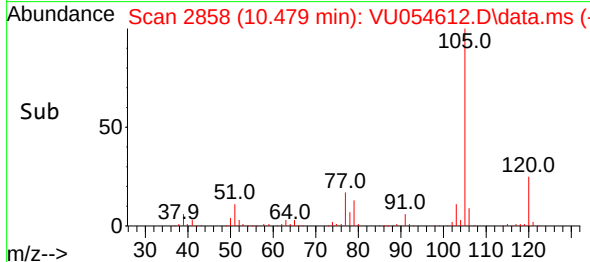
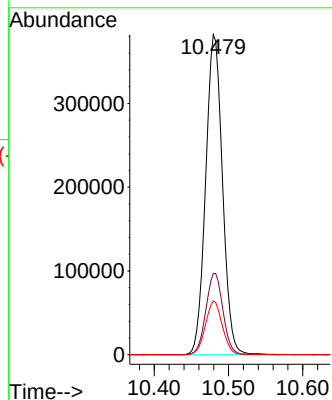
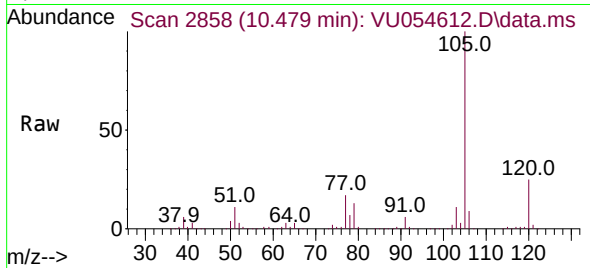




#60
Isopropylbenzene
Concen: 4.944 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

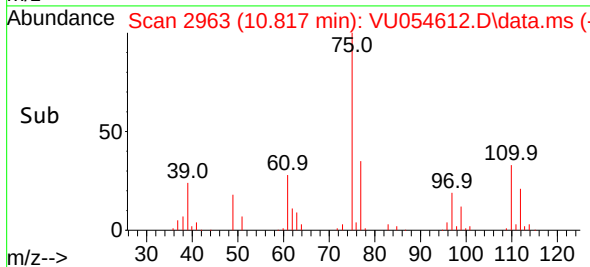
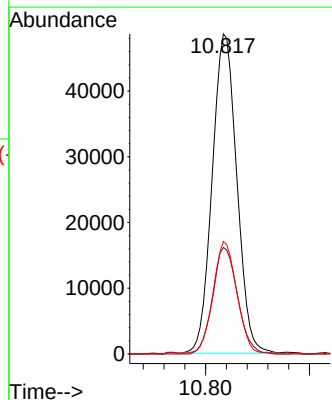
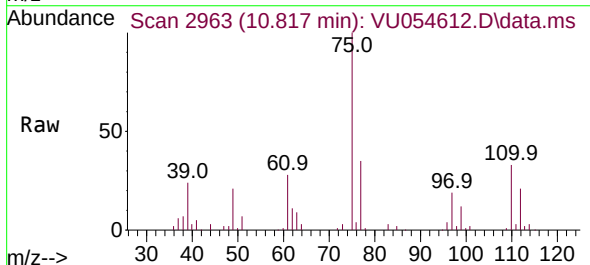
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

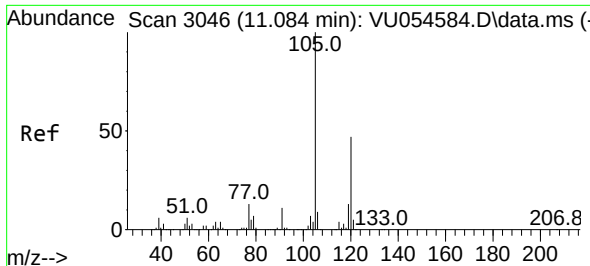
Tgt Ion:105 Resp: 600166
Ion Ratio Lower Upper
105 100
120 25.8 20.9 31.3
77 16.8 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.762 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion: 75 Resp: 79861
Ion Ratio Lower Upper
75 100
110 33.8 28.0 42.0
77 34.0 25.4 38.2

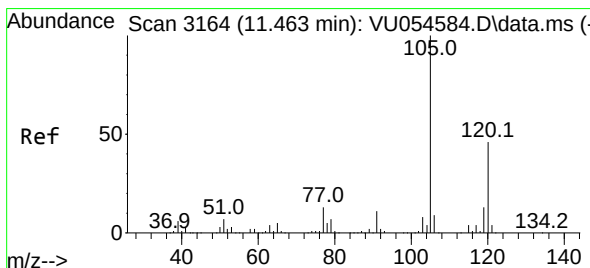
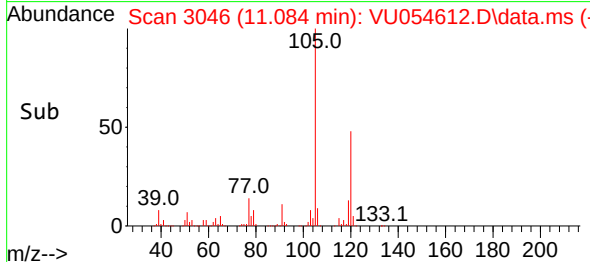
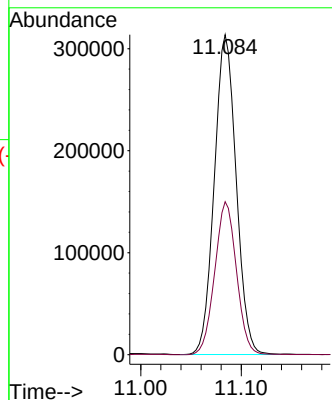
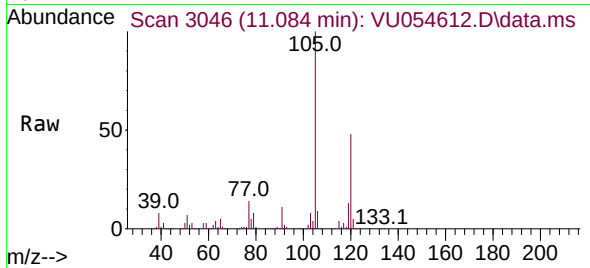




#62
1,3,5-Trimethylbenzene
Concen: 4.785 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

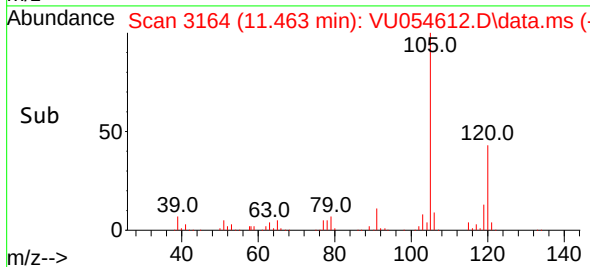
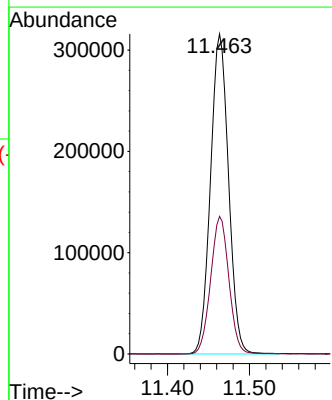
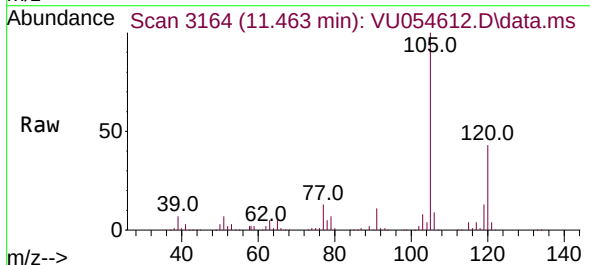
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

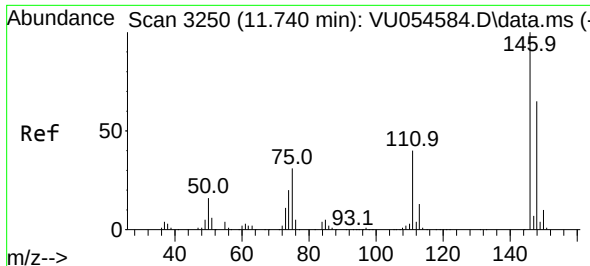
Tgt Ion:105 Resp: 473865
Ion Ratio Lower Upper
105 100
120 47.6 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 4.813 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion:105 Resp: 484103
Ion Ratio Lower Upper
105 100
120 43.4 35.4 53.0

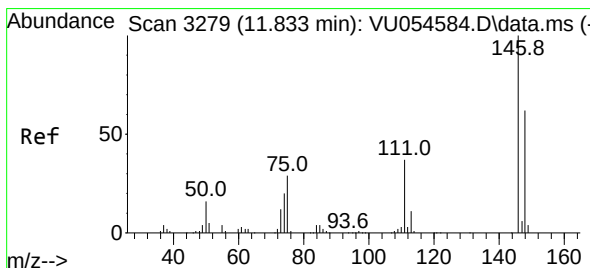
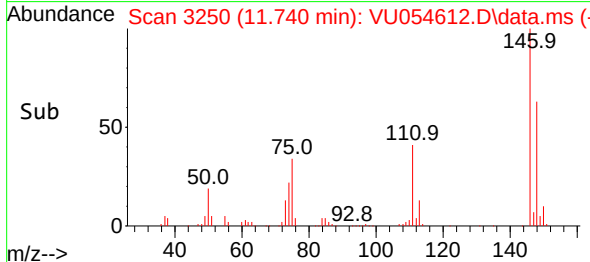
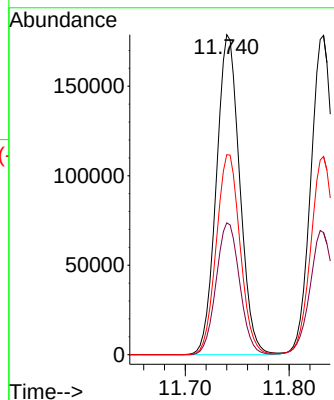
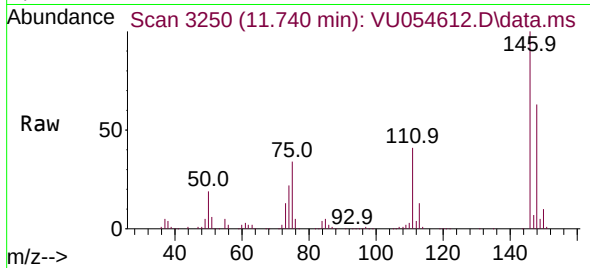




#64
1,3-Dichlorobenzene
Concen: 4.931 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

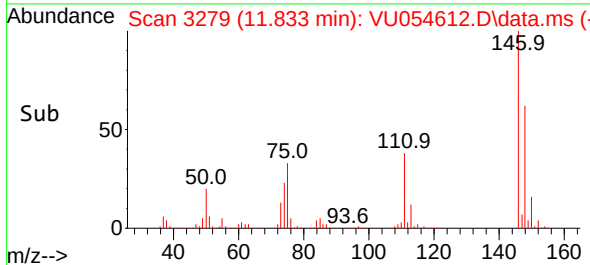
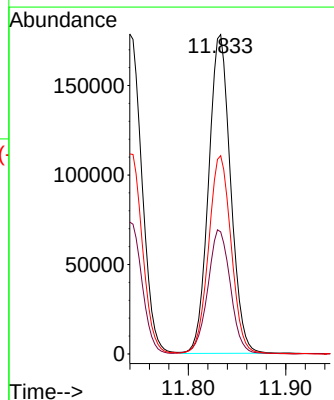
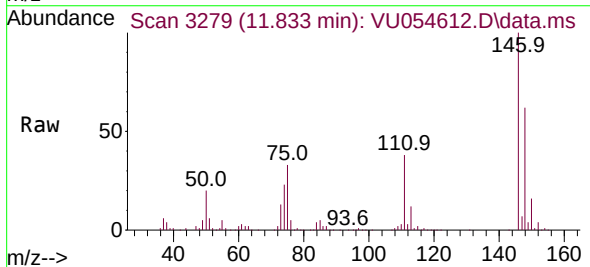
Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

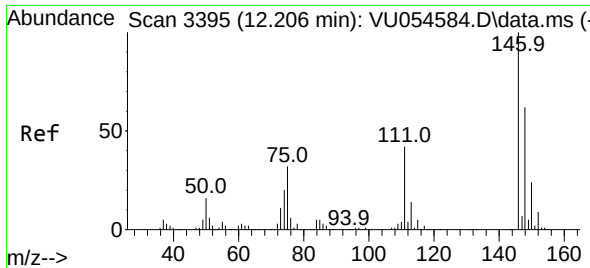
Tgt Ion:146 Resp: 279782
Ion Ratio Lower Upper
146 100
111 41.2 28.9 53.7
148 62.5 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.911 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion:146 Resp: 279635
Ion Ratio Lower Upper
146 100
111 38.2 28.0 52.0
148 62.0 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.826 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU054612.D

Acq: 20 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD005191

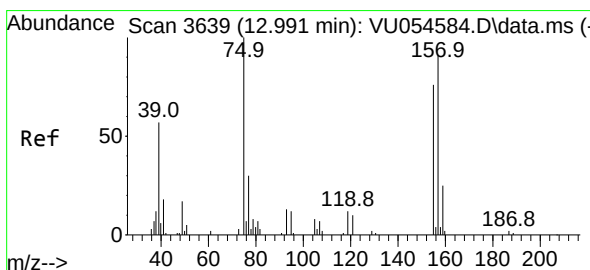
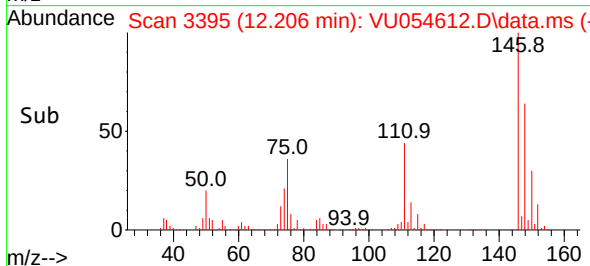
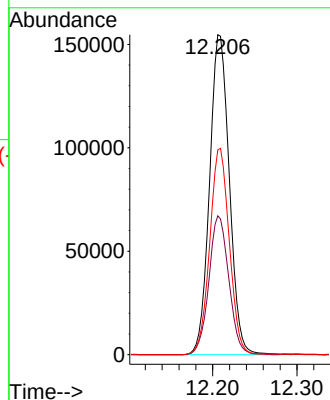
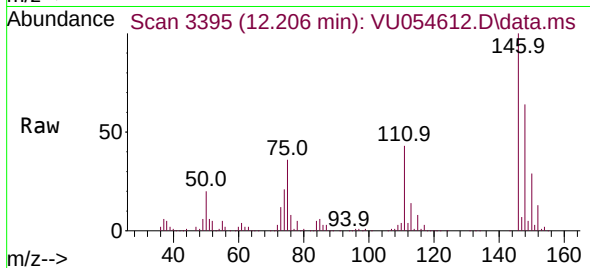
Tgt Ion:146 Resp: 251854

Ion Ratio Lower Upper

146 100

111 43.4 34.5 51.7

148 64.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.992 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054612.D

Acq: 20 Jun 2023 14:59

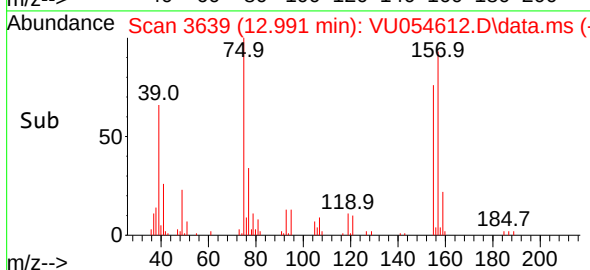
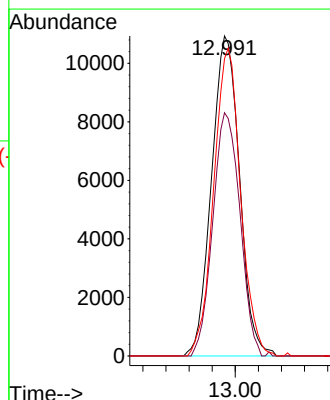
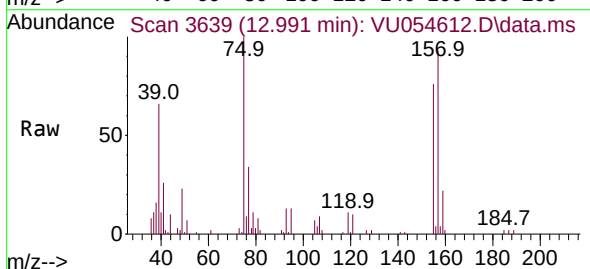
Tgt Ion: 75 Resp: 18396

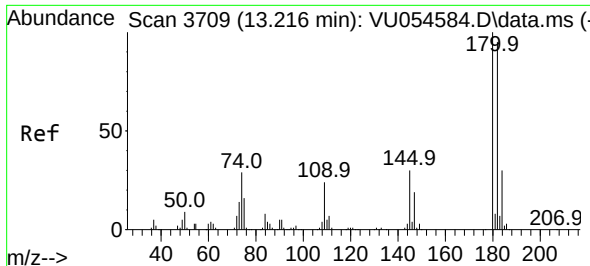
Ion Ratio Lower Upper

75 100

155 76.0 65.7 98.5

157 92.9 84.2 126.2



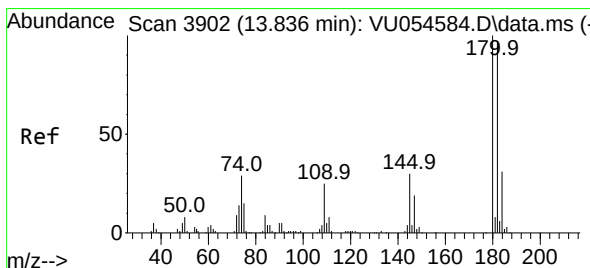
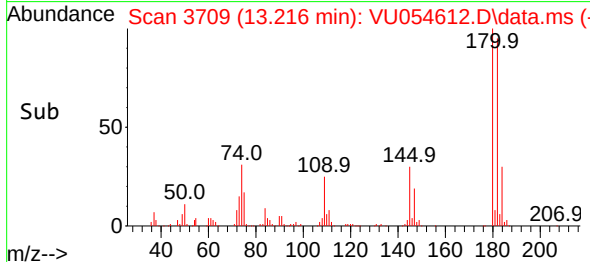
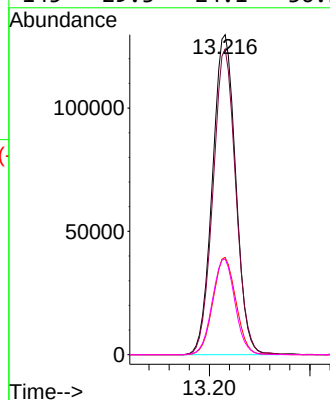
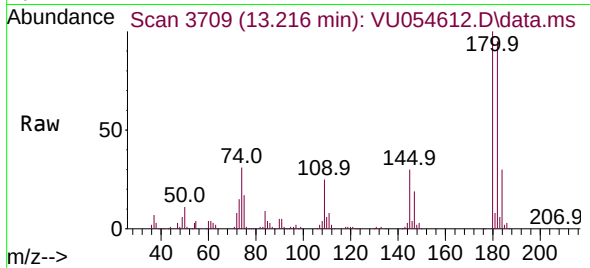


#69
 1,3,5-Trichlorobenzene
 Concen: 4.860 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005191

Tgt Ion:180 Resp: 208069

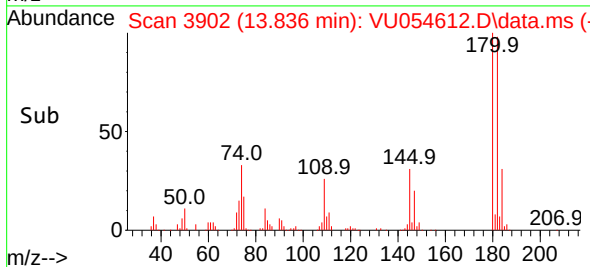
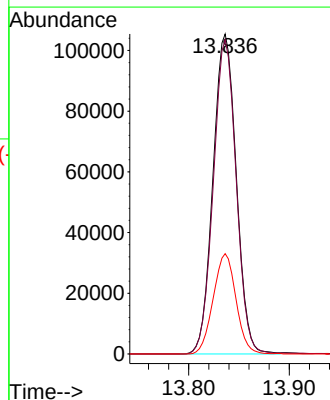
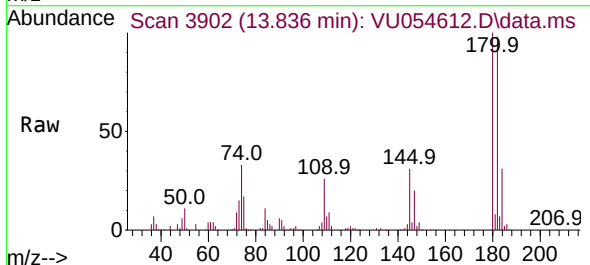
Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.6
184	30.0	24.1	36.1
145	29.3	24.1	36.1

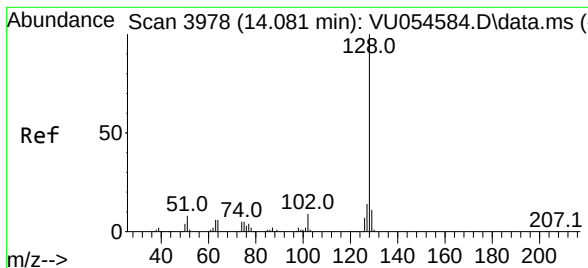


#70
 1,2,4-trichlorobenzene
 Concen: 4.794 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054612.D
 Acq: 20 Jun 2023 14:59

Tgt Ion:180 Resp: 169713

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	114.8
145	30.6	24.0	36.0

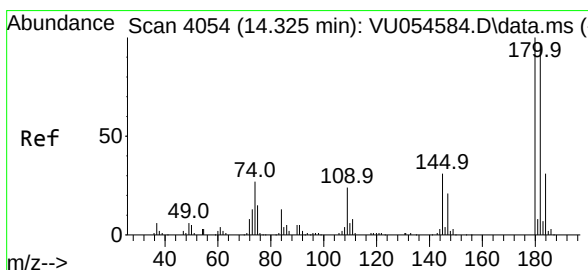
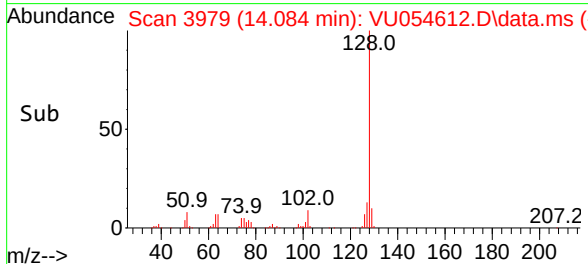
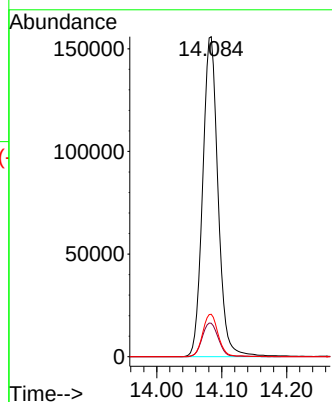
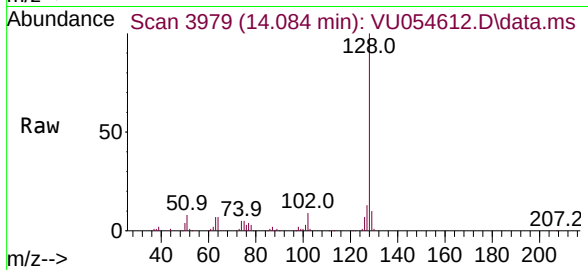




#71
Naphthalene
Concen: 4.474 ug/L
RT: 14.084 min Scan# 3978
Delta R.T. 0.003 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD005191

Tgt Ion:128 Resp: 257532
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.3 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 4.825 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054612.D
Acq: 20 Jun 2023 14:59

Tgt Ion:180 Resp: 146750
Ion Ratio Lower Upper
180 100
182 98.2 75.4 113.2
145 32.6 26.0 39.0

