

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061422\
 Data File : VU049110.D
 Acq On : 14 Jun 2022 13:12
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005110

Quant Time: Jun 15 03:10:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 15 03:02:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	148965	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	134801	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	67332	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	62835	4.827	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.600%
7) Chloroethane-d5	1.912	69	42755	4.852	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.000%
11) 1,1-Dichloroethene-d2	2.568	65	24877	4.752	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.000%
20) 2-Butanone-d5	4.633	46	190614	54.846	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.700%
24) Chloroform-d	5.067	84	102380	5.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	5.703	65	56093	5.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.726	84	200015	4.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.690	67	67670	4.910	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.896	98	182706	4.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
43) trans-1,3-Dichloroprop...	8.179	79	29998	4.899	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.632	63	130899	52.994	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.980%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	58141	5.268	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	66318	5.133	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	69052	5.430	ug/L	100
3) Chloromethane	1.520	50	70899	5.078	ug/L	100
5) Vinyl chloride	1.604	62	66629	5.320	ug/L	99
6) Bromomethane	1.858	94	35914	5.212	ug/L	94
8) Chloroethane	1.935	64	36558	5.043	ug/L	98
9) Trichlorofluoromethane	2.138	101	79151	5.446	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	45545	5.293	ug/L	98
12) 1,1-Dichloroethene	2.581	96	43832	5.233	ug/L	93
13) Acetone	2.646	43	101011	58.724	ug/L	100
14) Carbon disulfide	2.793	76	146706	5.302	ug/L	100
15) Methyl Acetate	2.957	43	25767	5.601	ug/L	99
16) Methylene chloride	3.044	84	52071	4.725	ug/L	98
17) Methyl tert-butyl Ether	3.366	73	137955	5.445	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	48927	5.272	ug/L	98
19) 1,1-Dichloroethane	3.871	63	95441	5.216	ug/L	96
21) 2-Butanone	4.713	43	186314	56.805	ug/L	98
22) cis-1,2-Dichloroethene	4.668	96	52771	5.084	ug/L	97
23) Bromochloromethane	4.977	128	23144	5.209	ug/L	96
25) Chloroform	5.089	83	95118	5.179	ug/L	98

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 ALS Vial : 9 Sample Multiplier: 1

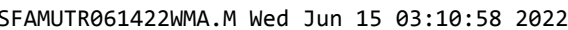
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005110

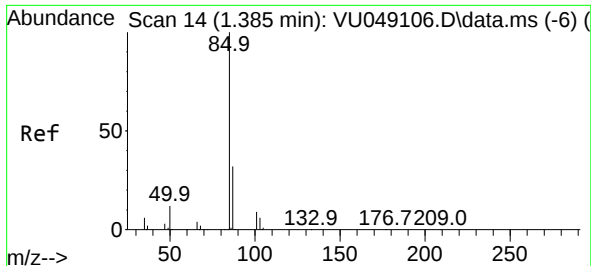
Quant Time: Jun 15 03:10:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	64248	5.311	ug/L	98
29) 1,1,1-Trichloroethane	5.317	97	84241	5.229	ug/L	100
30) Cyclohexane	5.388	56	96637	5.278	ug/L	98
31) Carbon tetrachloride	5.526	117	72612	5.383	ug/L	100
33) Benzene	5.774	78	216238	5.391	ug/L	100
34) Trichloroethene	6.543	95	54626	5.328	ug/L	99
35) Methylcyclohexane	6.761	83	94634	5.503	ug/L	99
37) 1,2-Dichloropropane	6.790	63	57018	5.173	ug/L	99
38) Bromodichloromethane	7.105	83	72581	5.388	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	88475	5.281	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	459017	56.057	ug/L	99
42) Toluene	7.970	91	228457	5.371	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	77121	5.300	ug/L	96
45) 1,1,2-Trichloroethane	8.401	97	41030	5.340	ug/L	93
47) Tetrachloroethene	8.552	164	38423	5.434	ug/L	97
48) 2-Hexanone	8.684	43	343239	58.728	ug/L	99
49) Dibromochloromethane	8.809	129	47511	5.420	ug/L	99
50) 1,2-Dibromoethane	8.922	107	38416	5.394	ug/L #	100
51) Chlorobenzene	9.446	112	140373	5.420	ug/L	98
52) Ethylbenzene	9.568	91	248462	5.348	ug/L	100
53) m,p-Xylene	9.694	106	92510	5.359	ug/L	99
54) o-Xylene	10.099	106	90688	5.298	ug/L	94
55) Styrene	10.115	104	155312	5.418	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	55119	5.421	ug/L	97
59) Bromoform	10.292	173	27628	5.463	ug/L	100
60) Isopropylbenzene	10.484	105	246269	5.370	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	40506	5.362	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	217397	5.370	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	215539	5.374	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	105586	5.379	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	104114	5.367	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	101533	5.436	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	11256	5.467	ug/L	91
69) 1,3,5-Trichlorobenzene	13.217	180	81381	5.529	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	72178	6.169	ug/L	99
71) Naphthalene	14.086	128	167798	7.217	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	67945	6.176	ug/L	99

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

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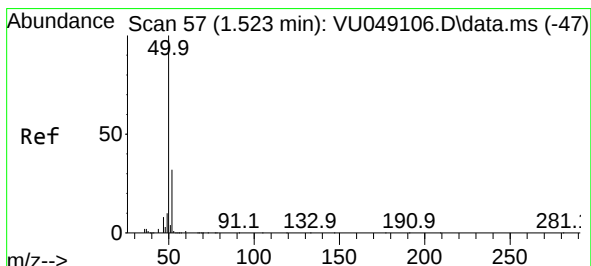
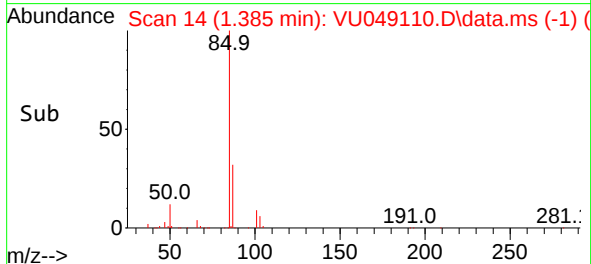
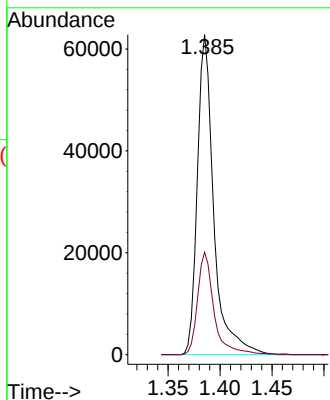
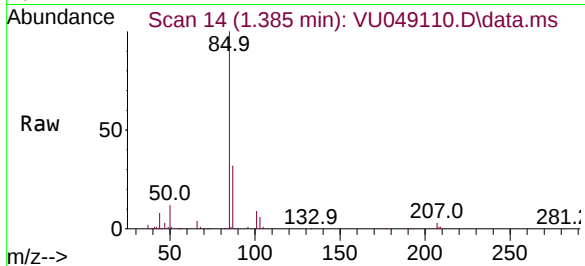




#2
Dichlorodifluoromethane
Concen: 5.430 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

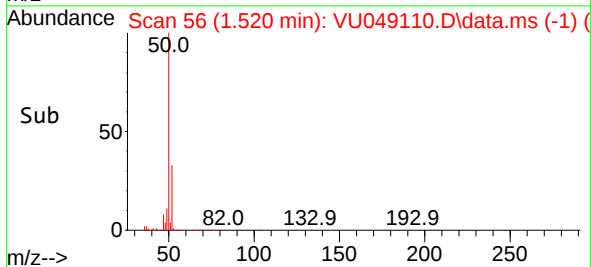
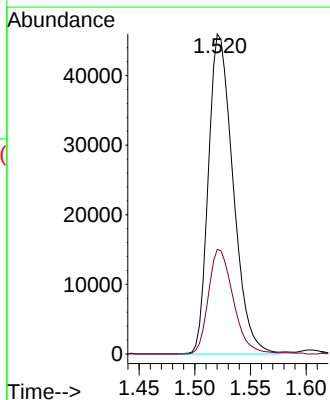
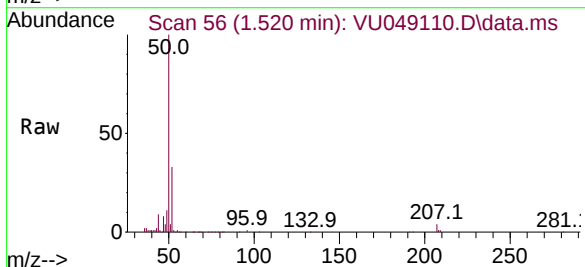
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

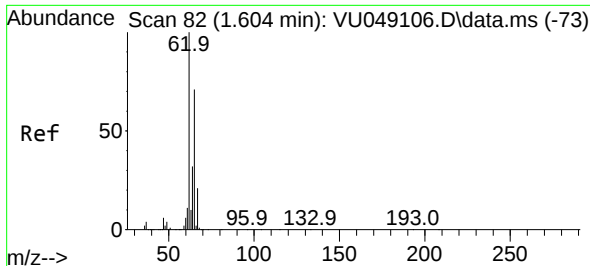
Tgt Ion: 85 Resp: 69052
Ion Ratio Lower Upper
85 100
87 32.0 25.5 38.3



#3
Chloromethane
Concen: 5.078 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion: 50 Resp: 70899
Ion Ratio Lower Upper
50 100
52 32.7 22.7 42.1

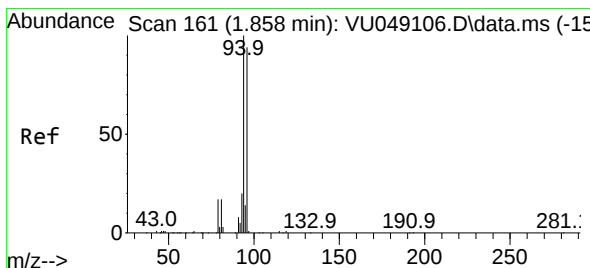
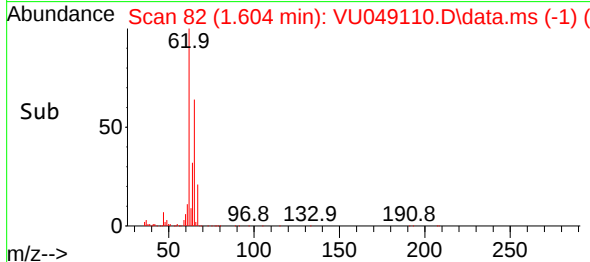
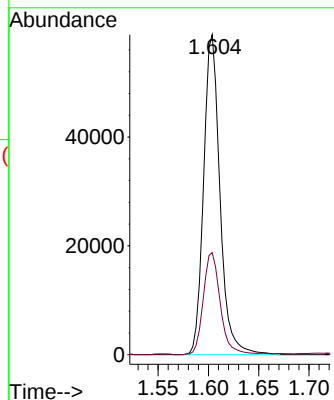
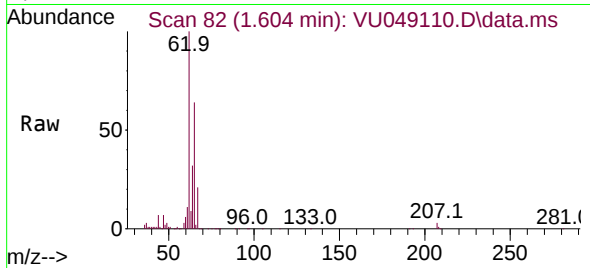




#5
 Vinyl chloride
 Concen: 5.320 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU049110.D
 Acq: 14 Jun 2022 13:12

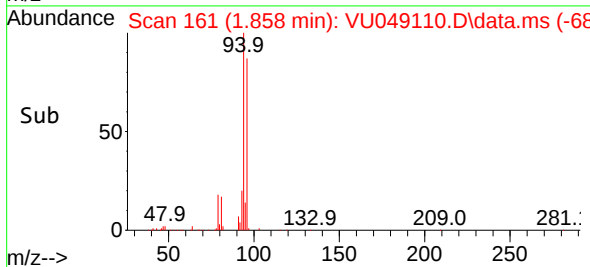
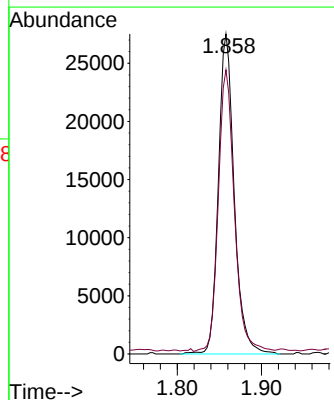
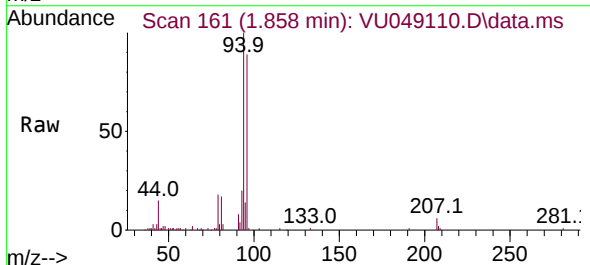
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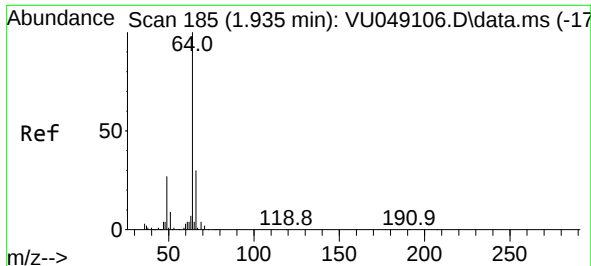
Tgt Ion: 62 Resp: 66629
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.8 42.4



#6
 Bromomethane
 Concen: 5.212 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU049110.D
 Acq: 14 Jun 2022 13:12

Tgt Ion: 94 Resp: 35914
 Ion Ratio Lower Upper
 94 100
 96 88.8 66.4 123.4

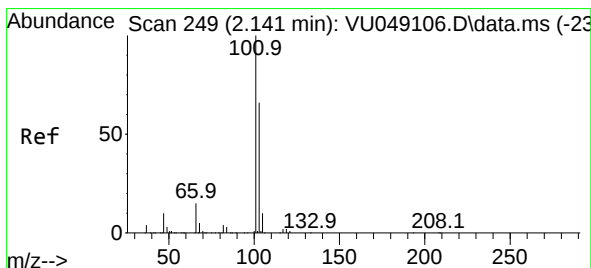
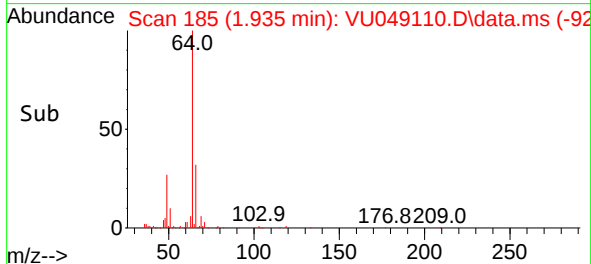
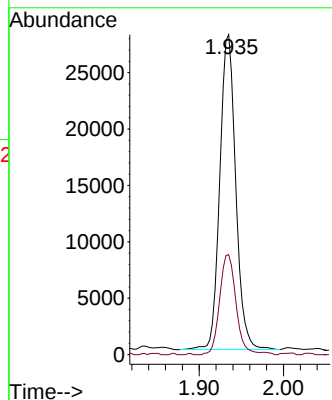
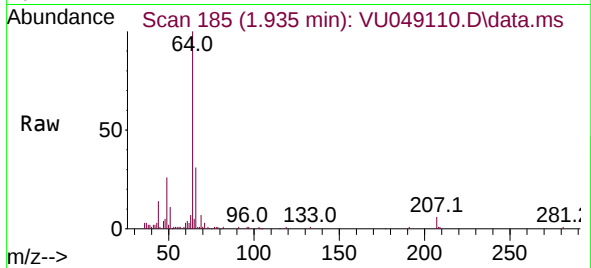




#8
Chloroethane
Concen: 5.043 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

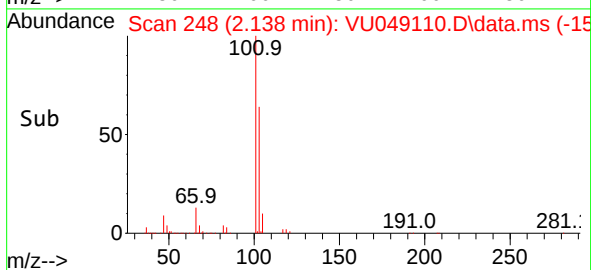
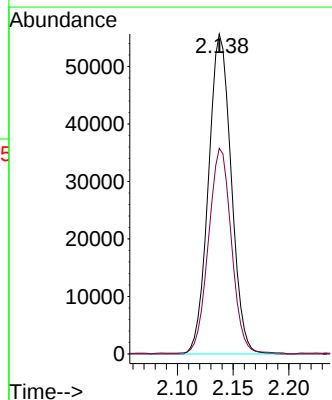
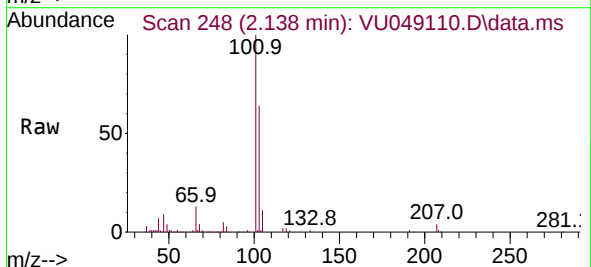
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ClientSampleId :
VSTD005110

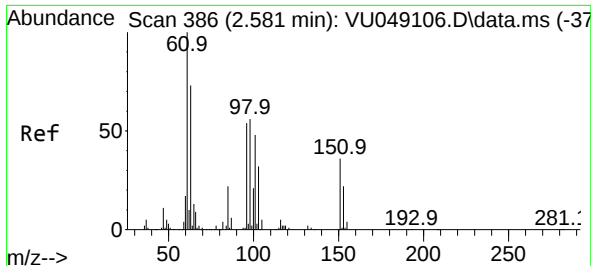
Tgt Ion: 64 Resp: 36558
Ion Ratio Lower Upper
64 100
66 31.2 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.446 ug/L
RT: 2.138 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion: 101 Resp: 79151
Ion Ratio Lower Upper
101 100
103 65.2 53.5 80.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.293 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD005110

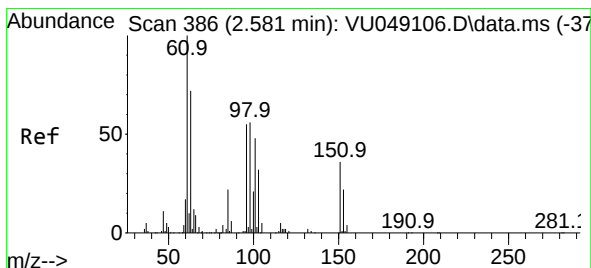
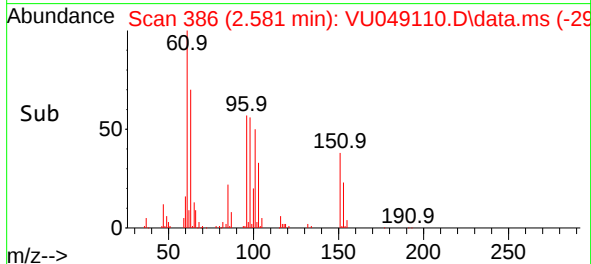
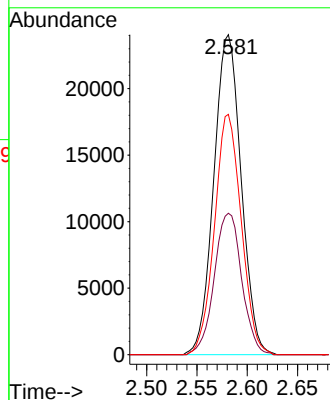
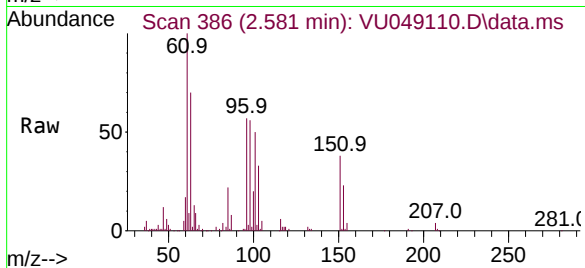
Tgt Ion:101 Resp: 45545

Ion Ratio Lower Upper

101 100

85 44.4 36.1 54.1

151 73.5 56.8 85.2



#12

1,1-Dichloroethene

Concen: 5.233 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

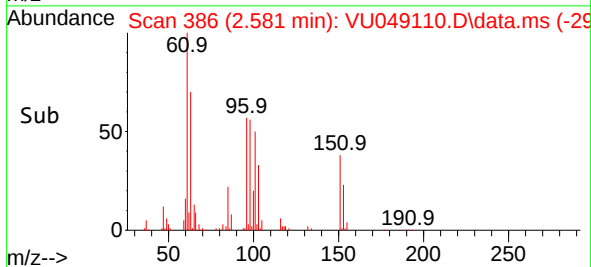
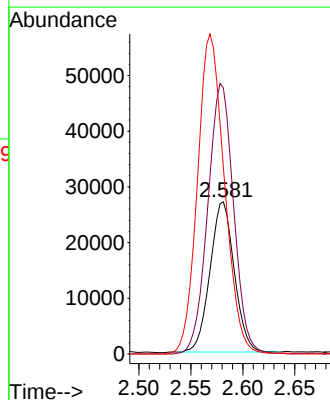
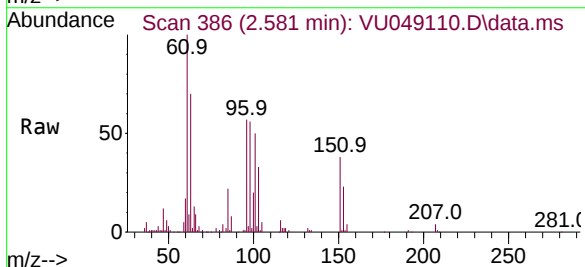
Tgt Ion: 96 Resp: 43832

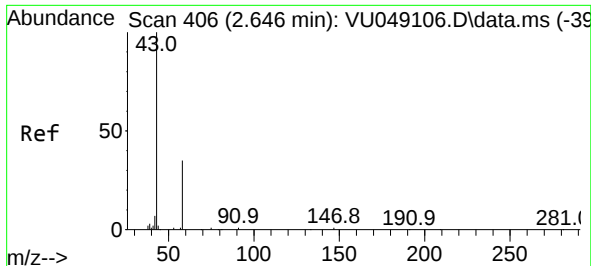
Ion Ratio Lower Upper

96 100

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63 122.4 94.7 175.9

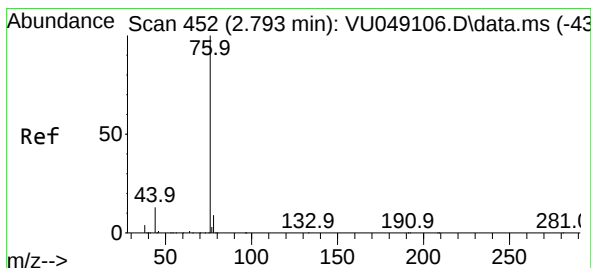
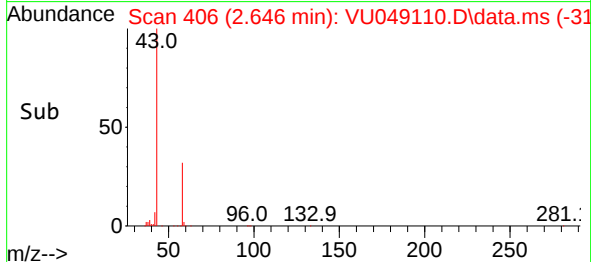
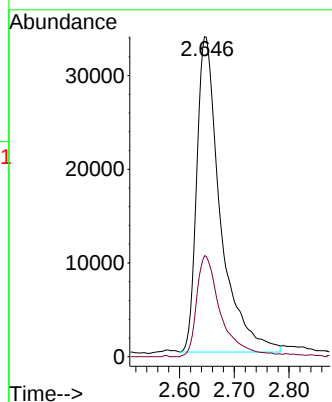
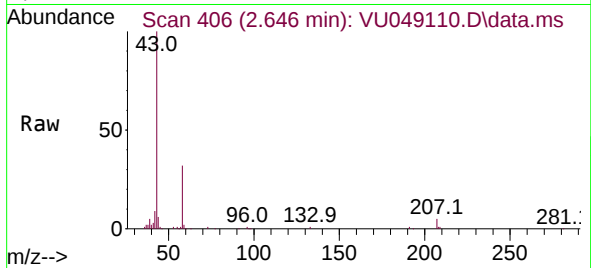




#13
Acetone
Concen: 58.724 ug/L
RT: 2.646 min Scan# 406
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

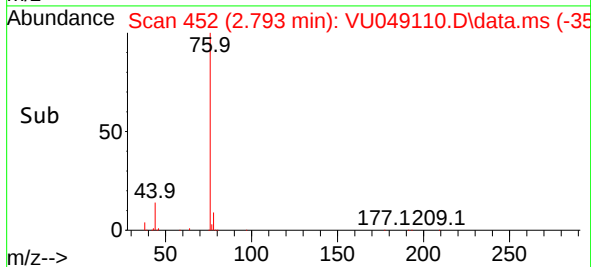
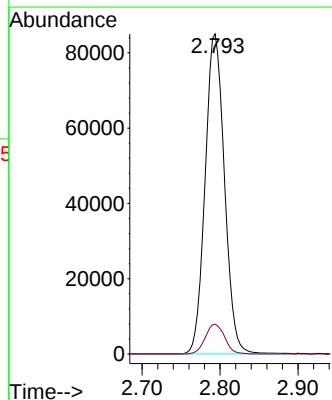
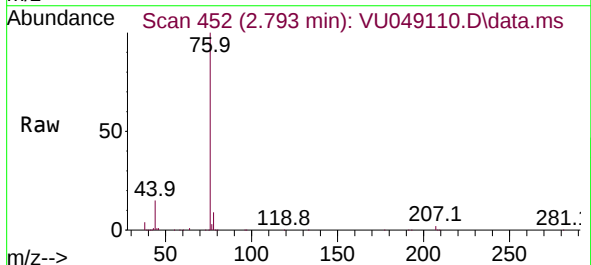
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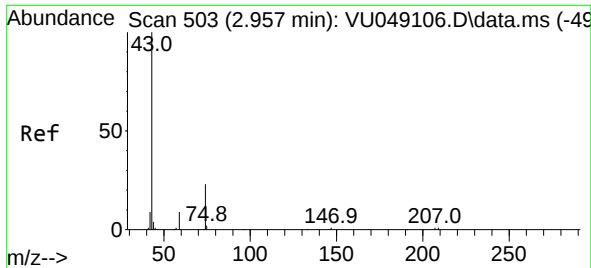
Tgt Ion: 43 Resp: 101011
Ion Ratio Lower Upper
43 100
58 32.7 0.0 65.8



#14
Carbon disulfide
Concen: 5.302 ug/L
RT: 2.793 min Scan# 452
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion: 76 Resp: 146706
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3

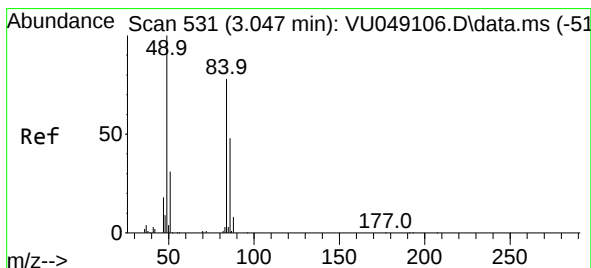
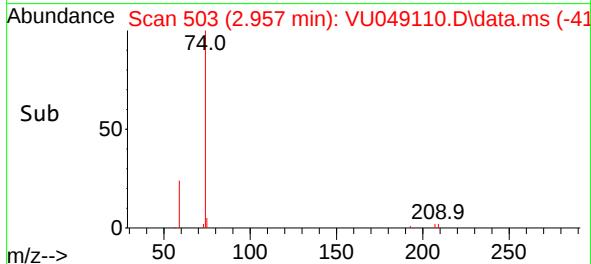
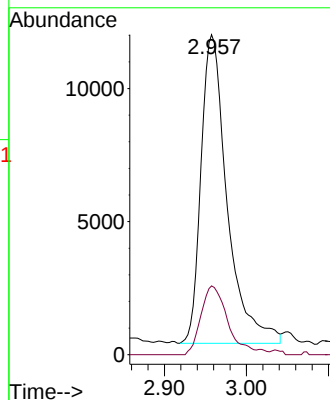
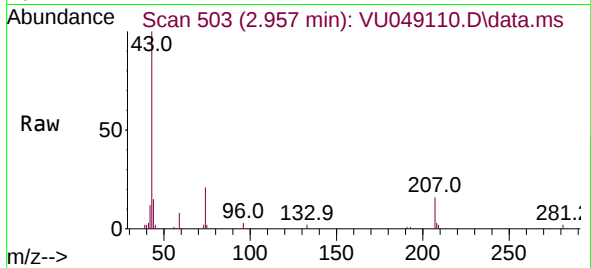




#15
Methyl Acetate
Concen: 5.601 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

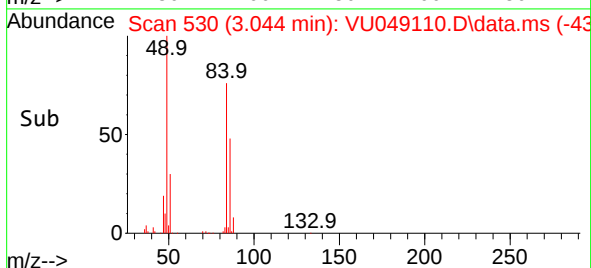
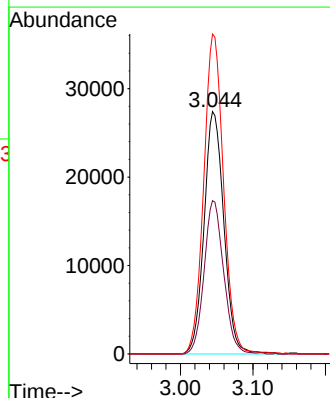
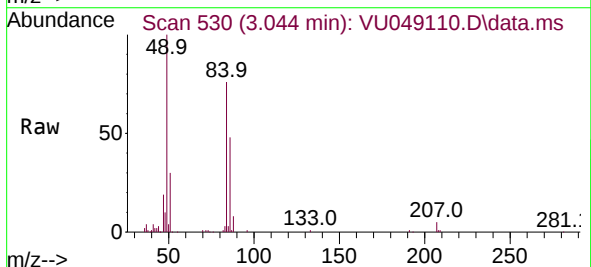
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

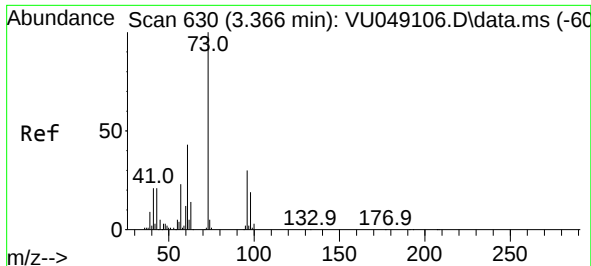
Tgt Ion: 43 Resp: 25767
Ion Ratio Lower Upper
43 100
74 22.5 17.6 26.4



#16
Methylene chloride
Concen: 4.725 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion: 84 Resp: 52071
Ion Ratio Lower Upper
84 100
86 63.2 43.6 81.0
49 132.0 90.2 167.6





#17

Methyl tert-butyl Ether

Concen: 5.445 ug/L

RT: 3.366 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD005110

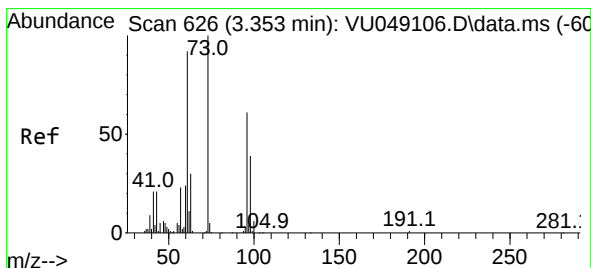
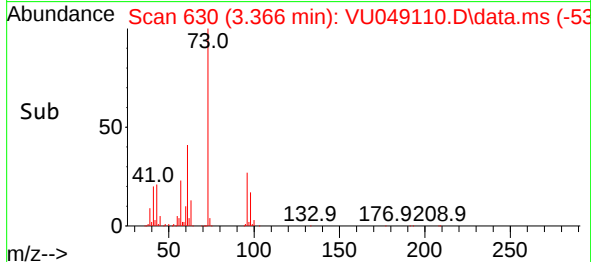
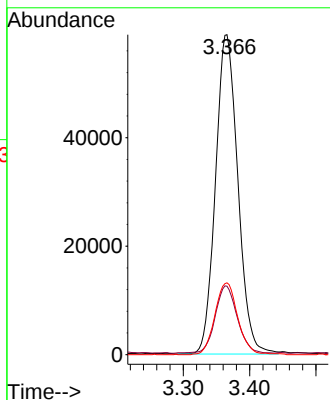
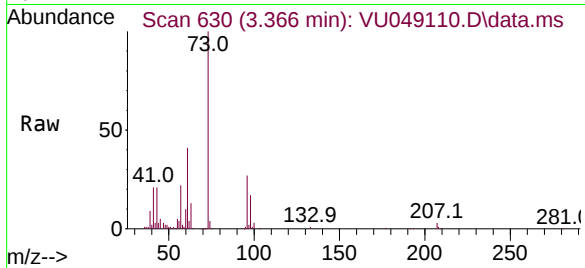
Tgt Ion: 73 Resp: 137955

Ion Ratio Lower Upper

73 100

43 20.9 16.5 24.7

57 23.1 18.6 27.8



#18

trans-1,2-Dichloroethene

Concen: 5.272 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

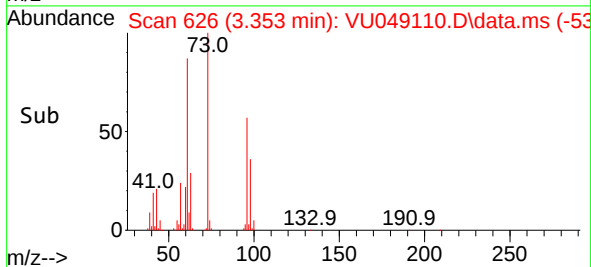
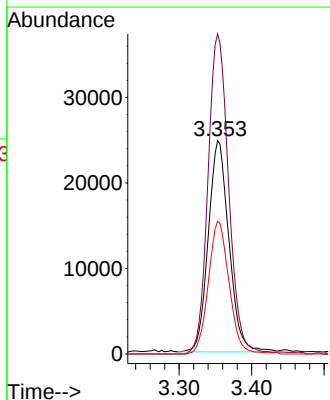
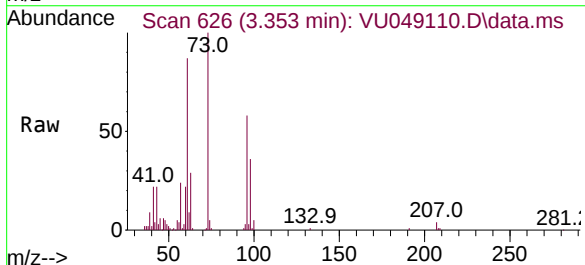
Tgt Ion: 96 Resp: 48927

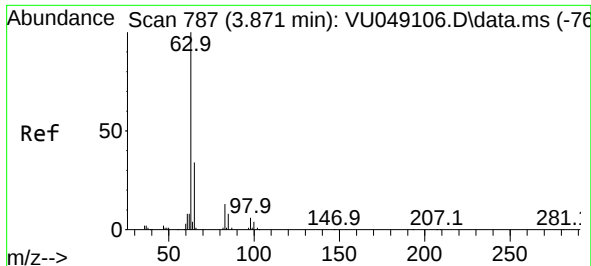
Ion Ratio Lower Upper

96 100

61 149.9 103.3 191.9

98 62.2 44.0 81.8

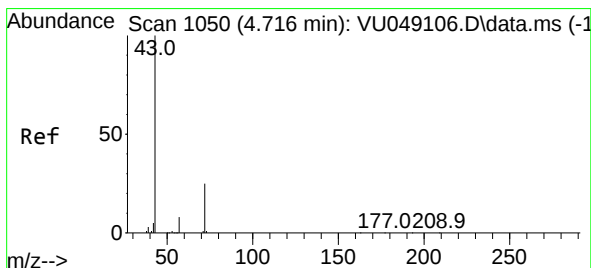
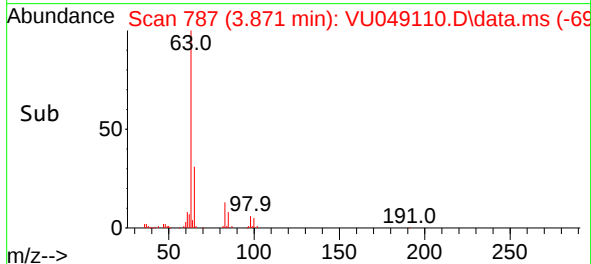
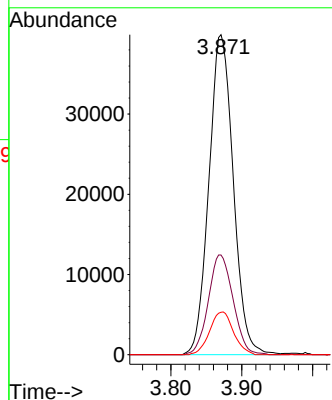
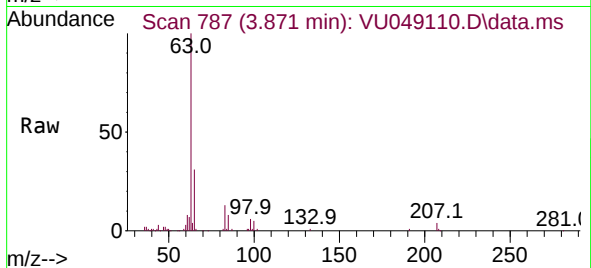




#19
1,1-Dichloroethane
Concen: 5.216 ug/L
RT: 3.871 min Scan# 787
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

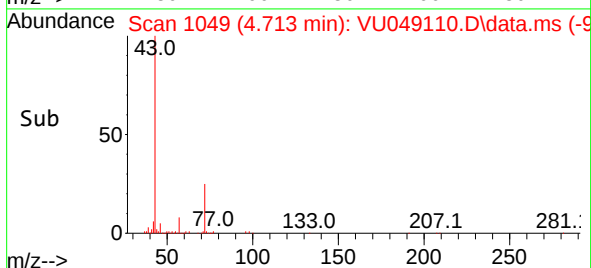
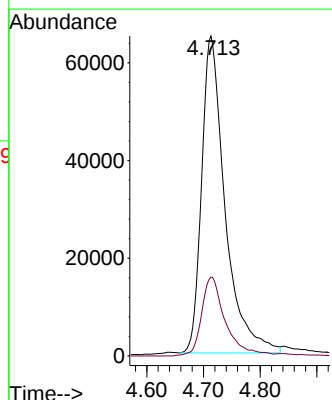
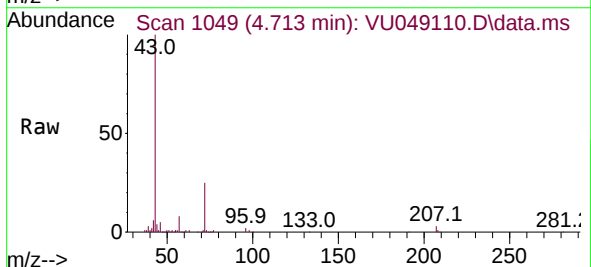
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

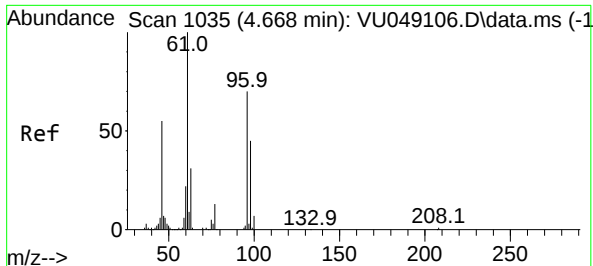
Tgt Ion: 63 Resp: 95441
Ion Ratio Lower Upper
63 100
65 31.2 24.0 44.6
83 13.3 9.1 16.9



#21
2-Butanone
Concen: 56.805 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. -0.003 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion: 43 Resp: 186314
Ion Ratio Lower Upper
43 100
72 25.3 12.2 36.6





#22

cis-1,2-Dichloroethene

Concen: 5.084 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD005110

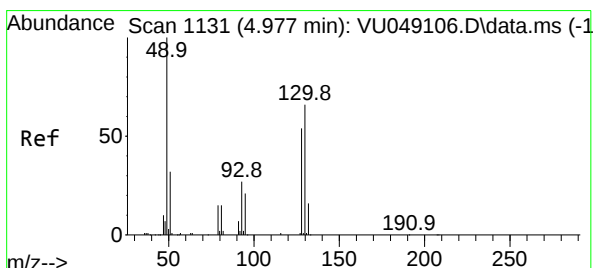
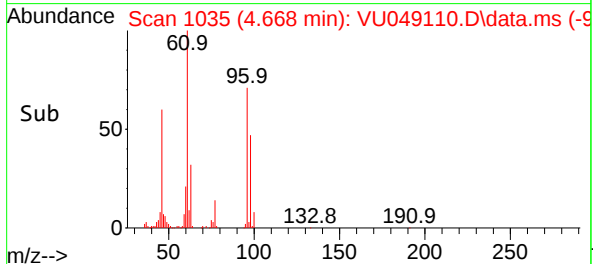
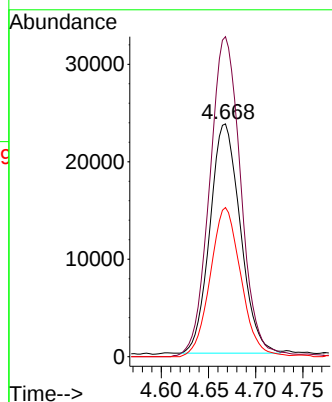
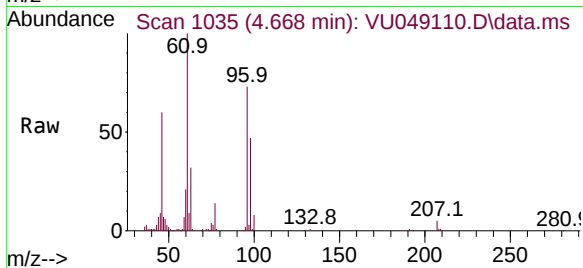
Tgt Ion: 96 Resp: 52771

Ion Ratio Lower Upper

96 100

61 137.5 99.5 184.9

98 64.1 44.8 83.2



#23

Bromochloromethane

Concen: 5.209 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Tgt Ion: 128 Resp: 23144

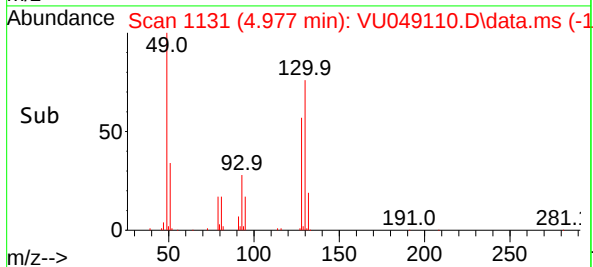
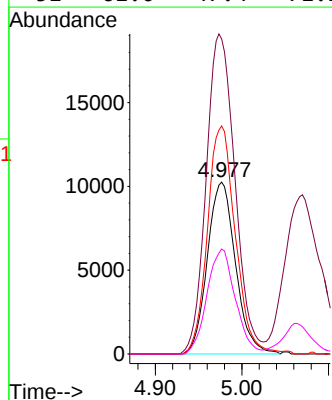
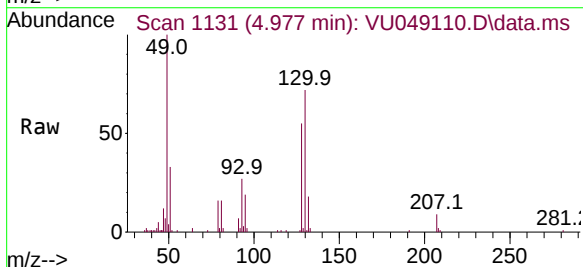
Ion Ratio Lower Upper

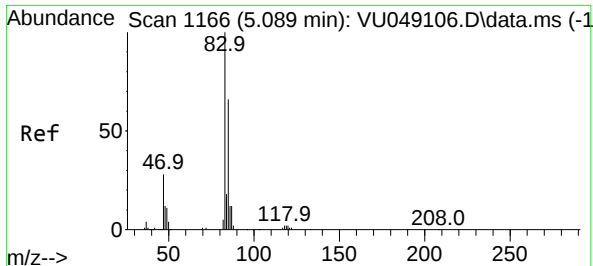
128 100

49 183.3 131.6 244.4

130 132.6 86.9 161.5

51 61.0 47.4 71.2





#25

Chloroform

Concen: 5.179 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

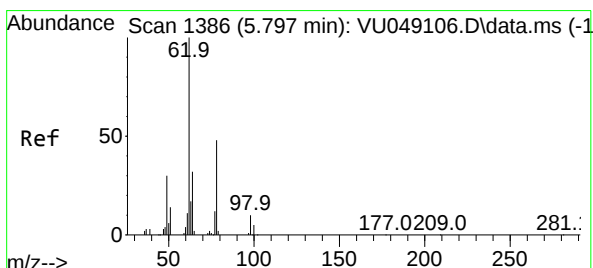
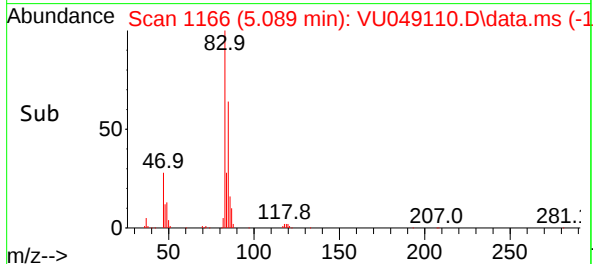
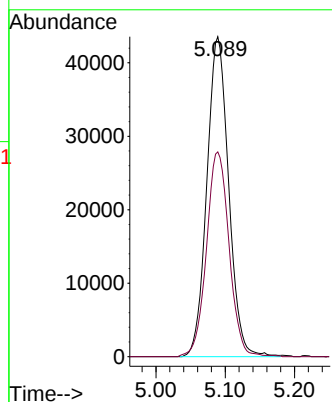
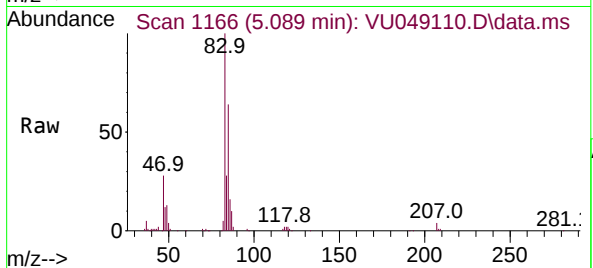
VSTD005110

Tgt Ion: 83 Resp: 95118

Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.2



#27

1,2-Dichloroethane

Concen: 5.311 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU049110.D

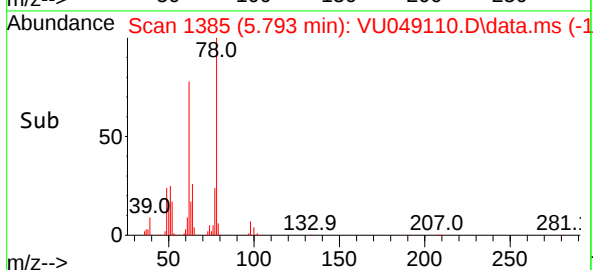
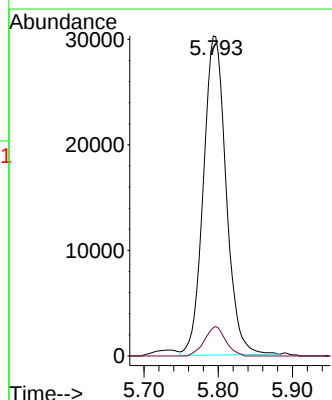
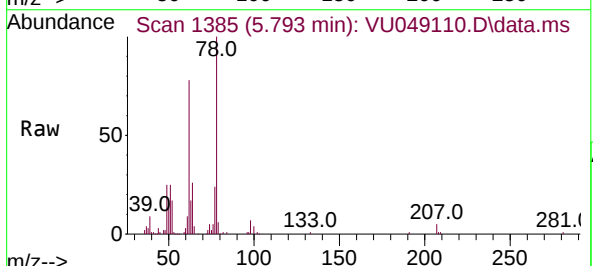
Acq: 14 Jun 2022 13:12

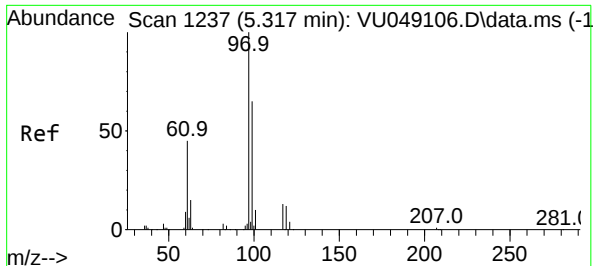
Tgt Ion: 62 Resp: 64248

Ion Ratio Lower Upper

62 100

98 8.9 7.6 11.4

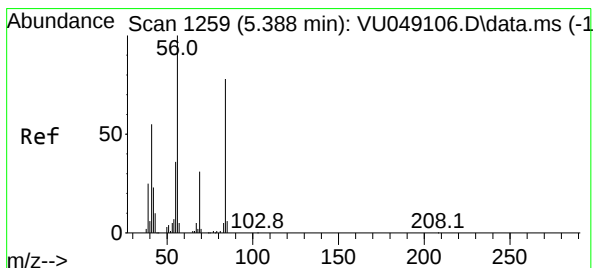
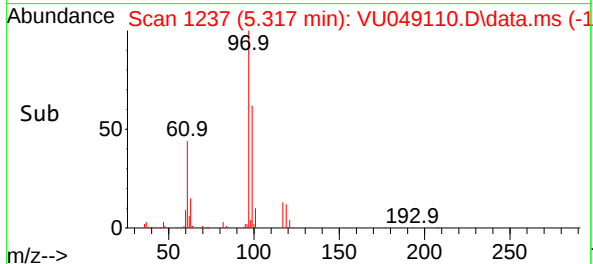
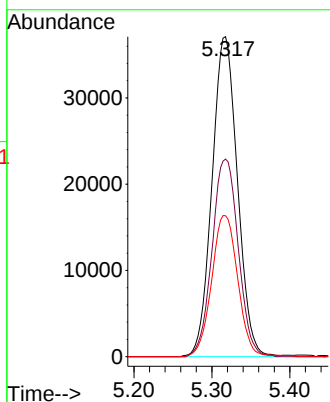
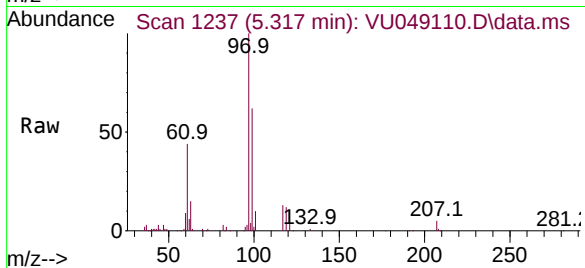




#29
1,1,1-Trichloroethane
Concen: 5.229 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

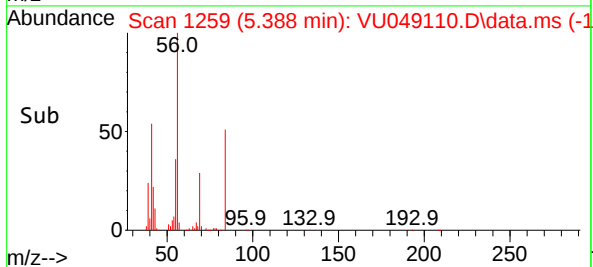
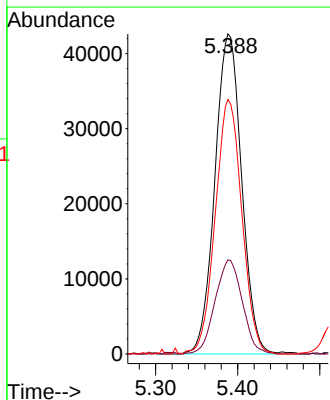
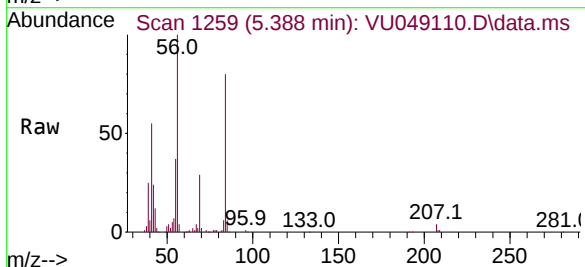
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

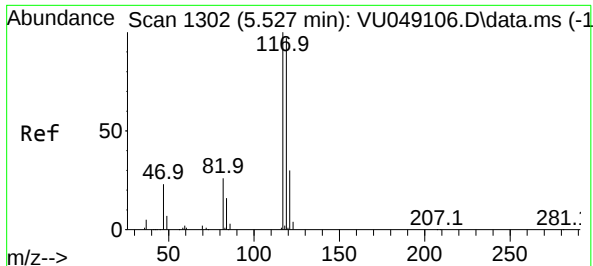
Tgt Ion:	97	Resp:	84241
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.4
61	45.4	36.2	54.4



#30
Cyclohexane
Concen: 5.278 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion:	56	Resp:	96637
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.6
84	79.0	61.2	91.8

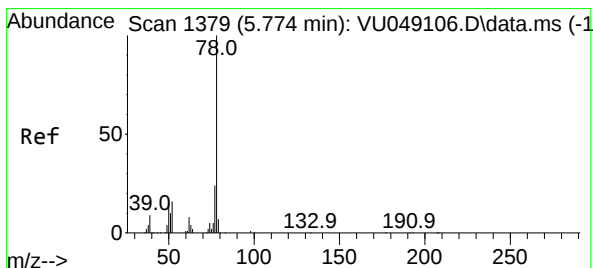
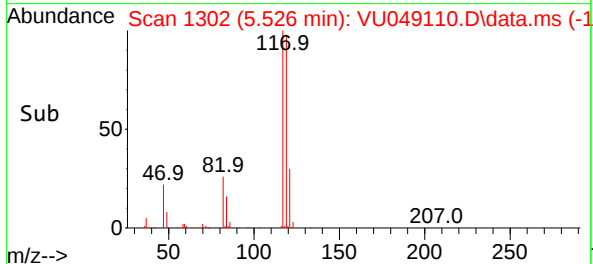
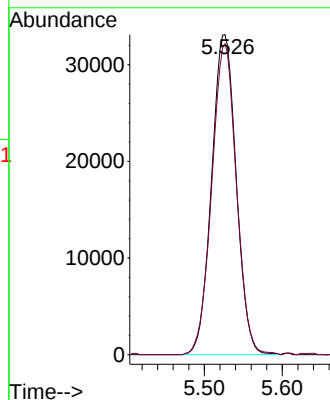
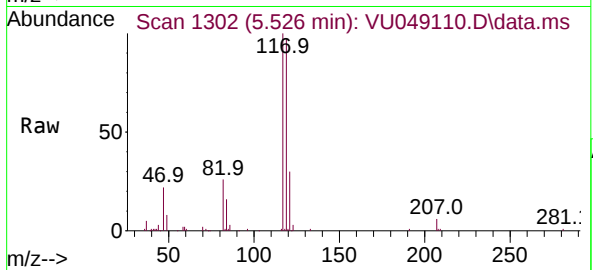




#31
Carbon tetrachloride
Concen: 5.383 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

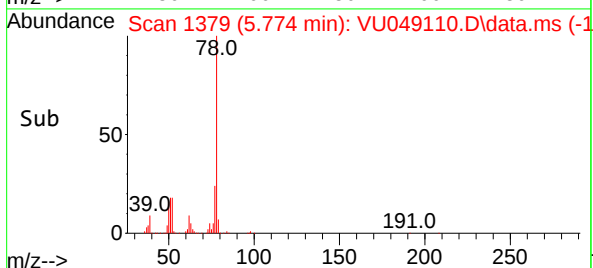
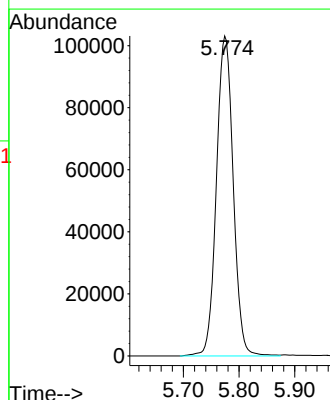
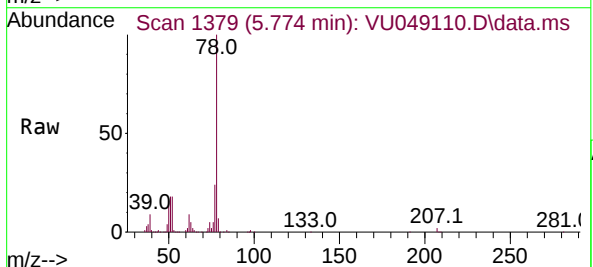
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

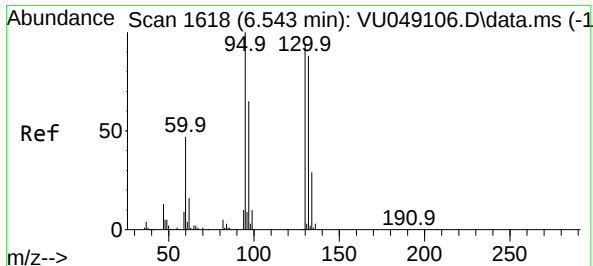
Tgt Ion:117 Resp: 72612
Ion Ratio Lower Upper
117 100
119 97.4 78.3 117.5



#33
Benzene
Concen: 5.391 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion: 78 Resp: 216238





#34

Trichloroethene

Concen: 5.328 ug/L

RT: 6.543 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD005110

Tgt Ion: 95 Resp: 54626

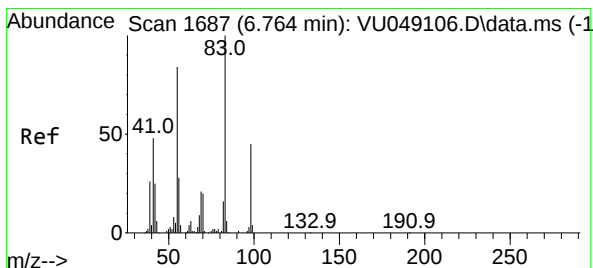
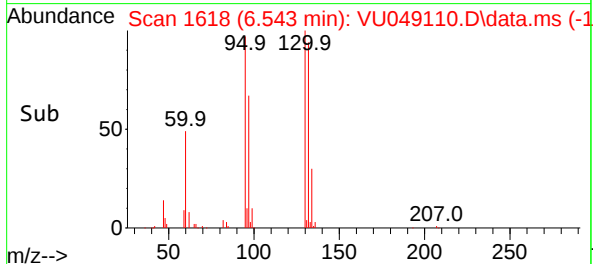
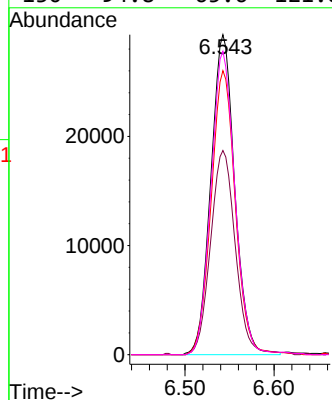
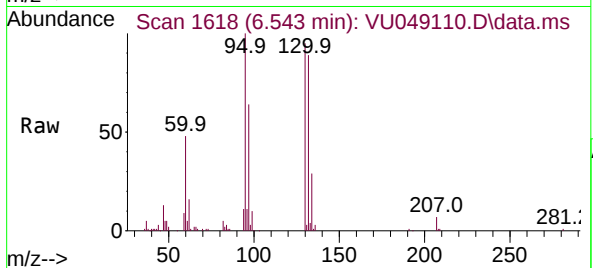
Ion Ratio Lower Upper

95 100

97 63.8 45.3 84.1

132 88.8 61.5 114.3

130 94.8 65.6 121.8



#35

Methylcyclohexane

Concen: 5.503 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.003 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

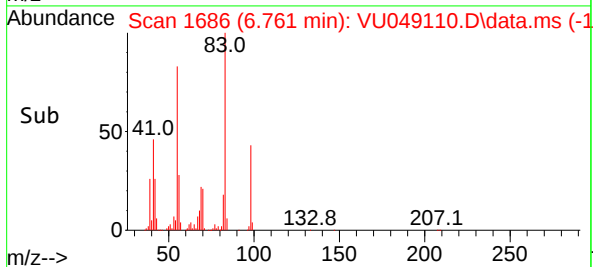
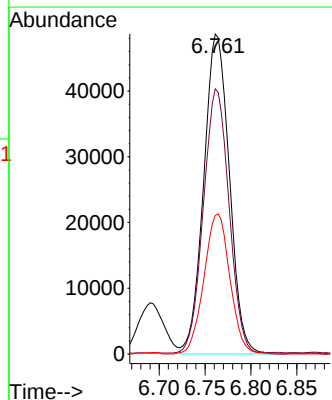
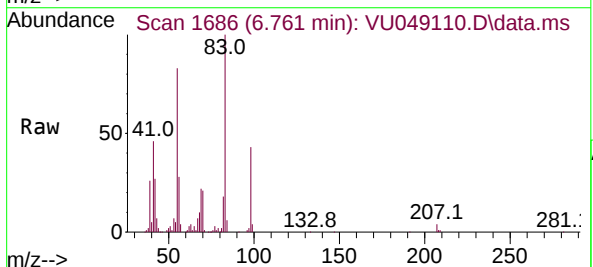
Tgt Ion: 83 Resp: 94634

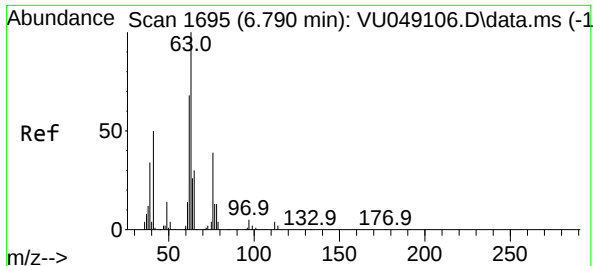
Ion Ratio Lower Upper

83 100

55 82.5 66.9 100.3

98 44.1 35.5 53.3





#37

1,2-Dichloropropane

Concen: 5.173 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

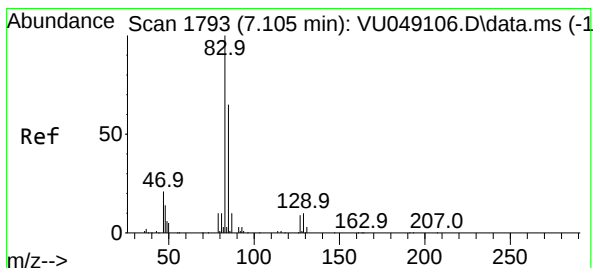
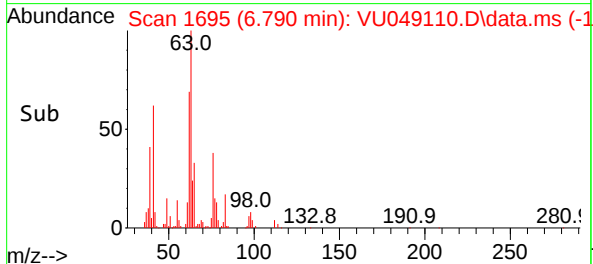
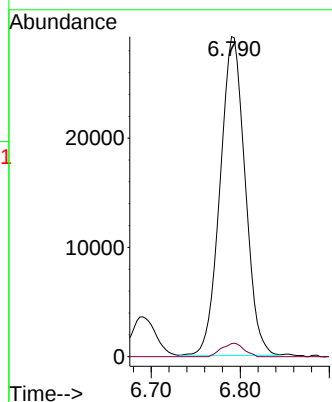
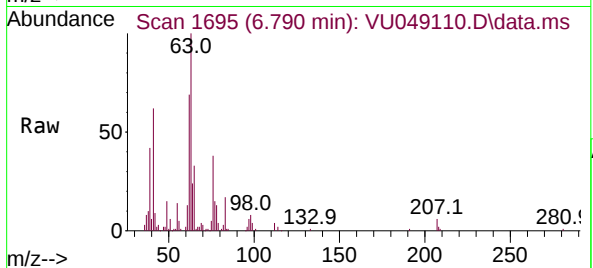
VSTD005110

Tgt Ion: 63 Resp: 57018

Ion Ratio Lower Upper

63 100

112 3.7 2.8 4.2



#38

Bromodichloromethane

Concen: 5.388 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

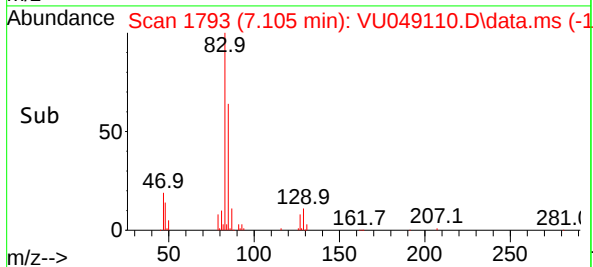
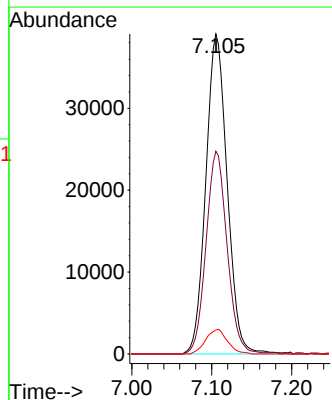
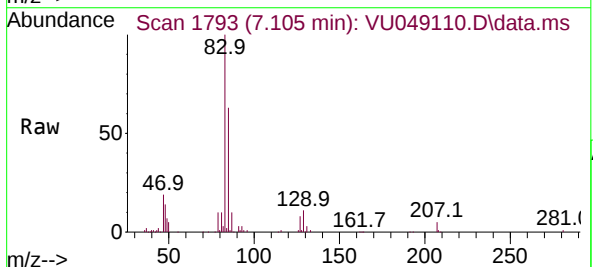
Tgt Ion: 83 Resp: 72581

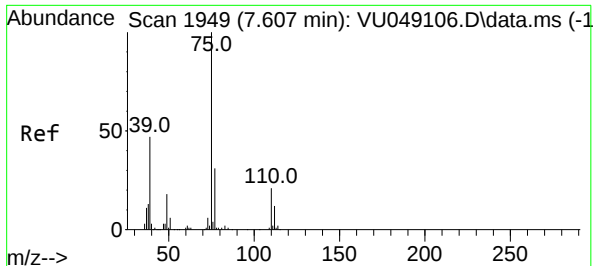
Ion Ratio Lower Upper

83 100

85 63.3 45.5 84.5

127 7.5 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 5.281 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

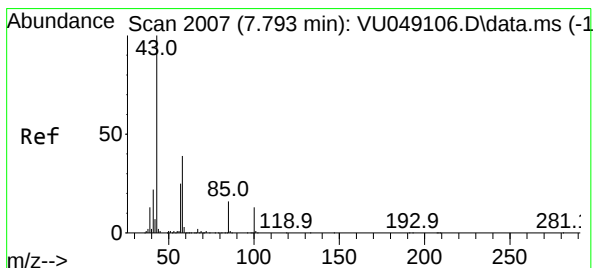
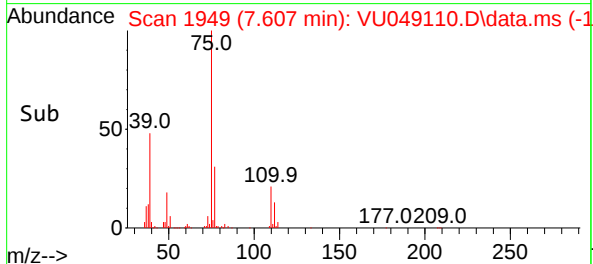
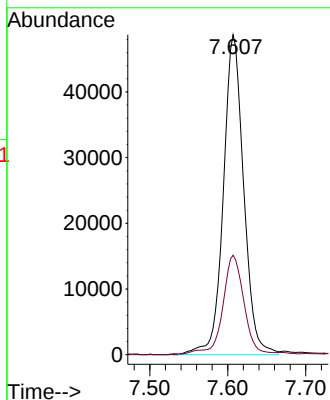
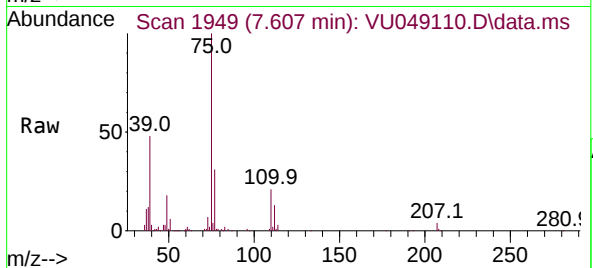
VSTD005110

Tgt Ion: 75 Resp: 88475

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 56.057 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

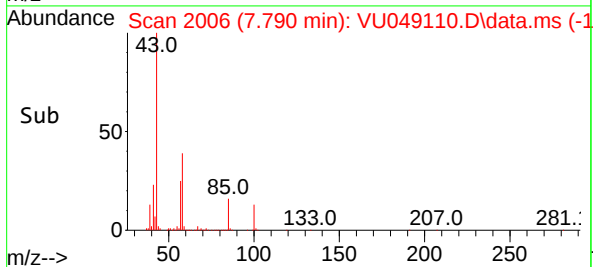
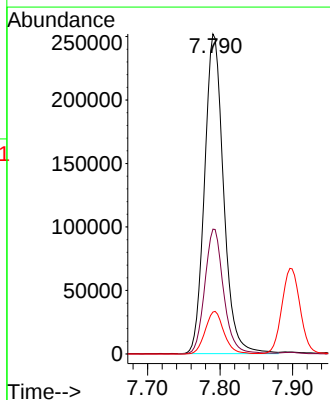
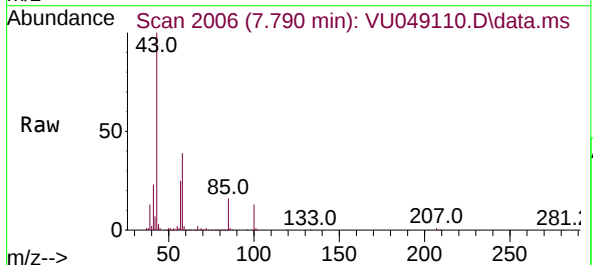
Tgt Ion: 43 Resp: 459017

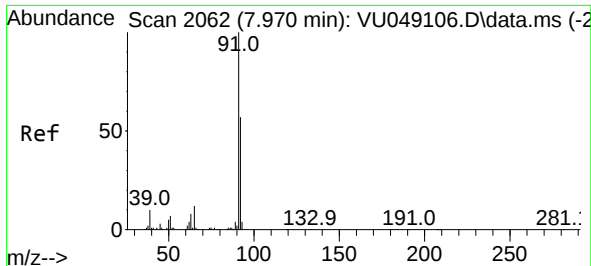
Ion Ratio Lower Upper

43 100

58 38.8 31.4 47.2

100 13.1 10.5 15.7





#42

Toluene

Concen: 5.371 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

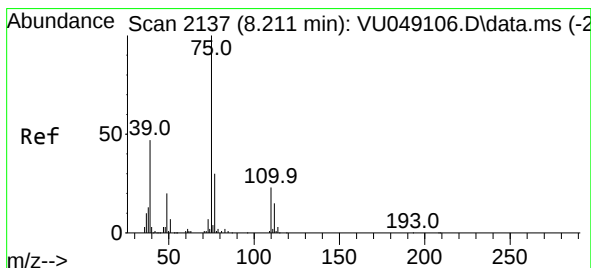
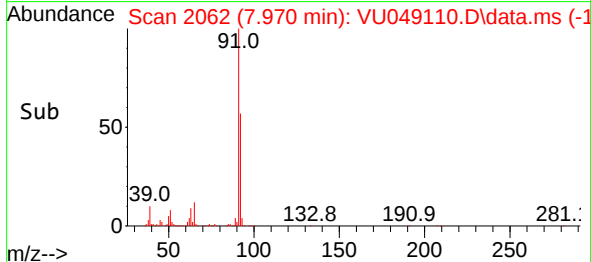
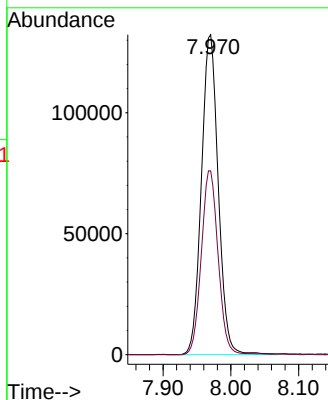
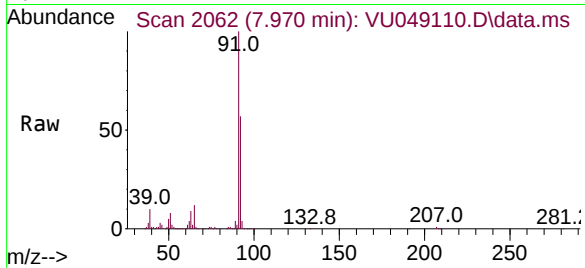
VSTD005110

Tgt Ion: 91 Resp: 228457

Ion Ratio Lower Upper

91 100

92 57.4 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.300 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU049110.D

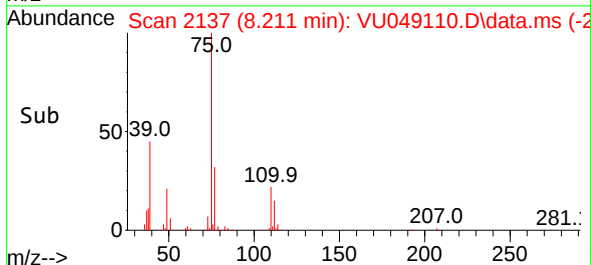
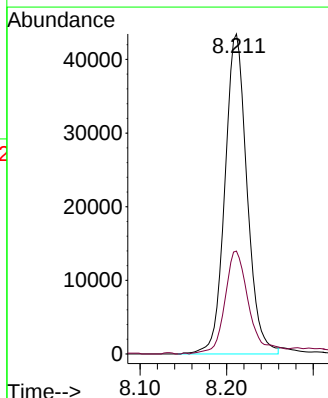
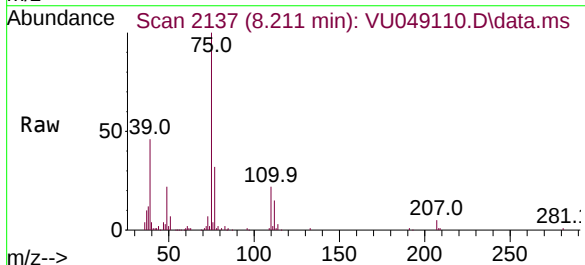
Acq: 14 Jun 2022 13:12

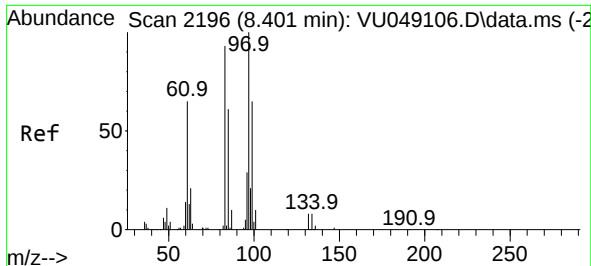
Tgt Ion: 75 Resp: 77121

Ion Ratio Lower Upper

75 100

77 32.1 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 5.340 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD005110

Tgt Ion: 97 Resp: 41030

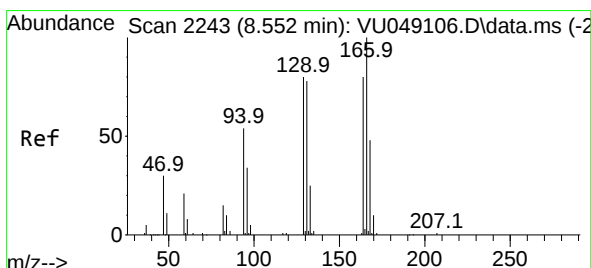
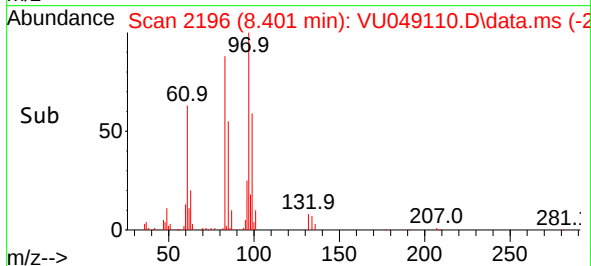
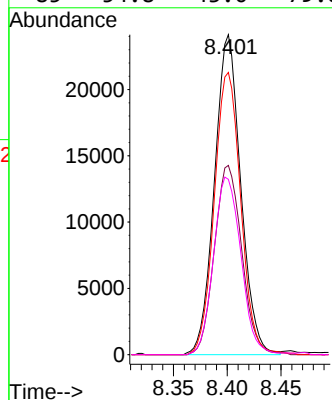
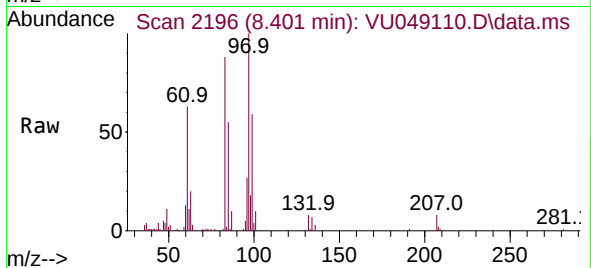
Ion Ratio Lower Upper

97 100

99 59.2 45.6 84.8

83 88.2 65.4 121.4

85 54.8 43.0 79.8



#47

Tetrachloroethene

Concen: 5.434 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Tgt Ion:164 Resp: 38423

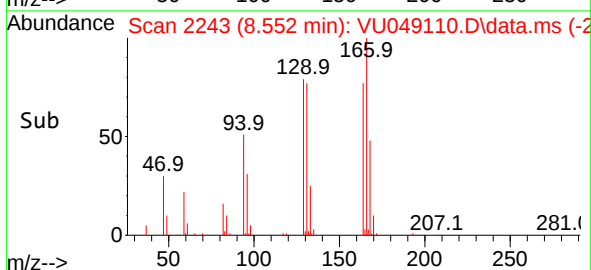
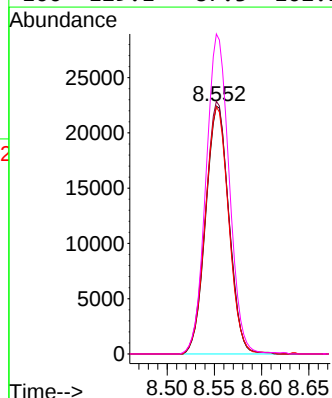
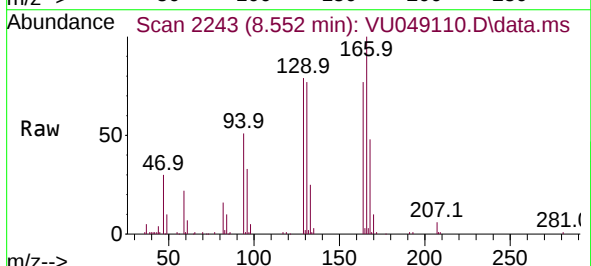
Ion Ratio Lower Upper

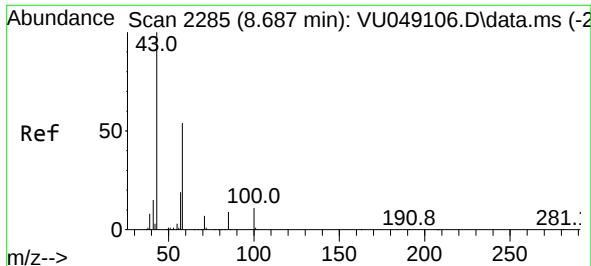
164 100

129 102.0 69.8 129.6

131 99.8 67.8 125.8

166 129.1 87.3 162.1

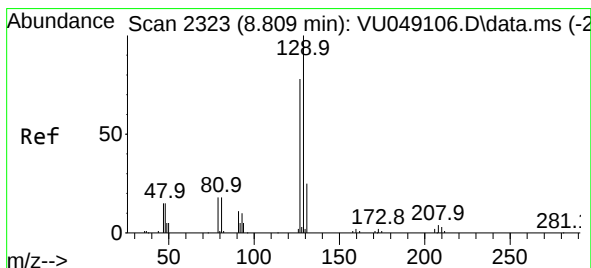
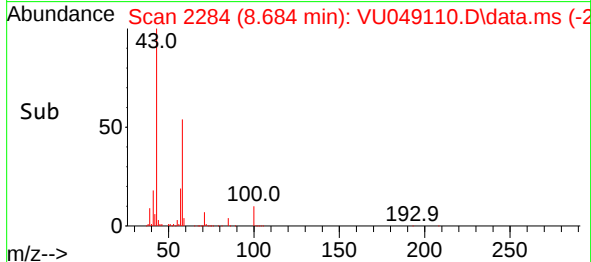
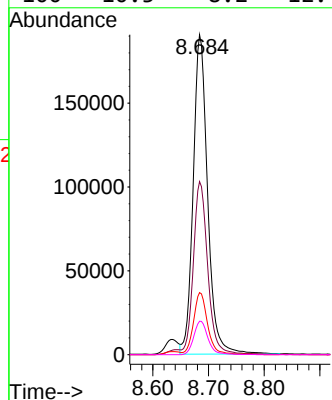
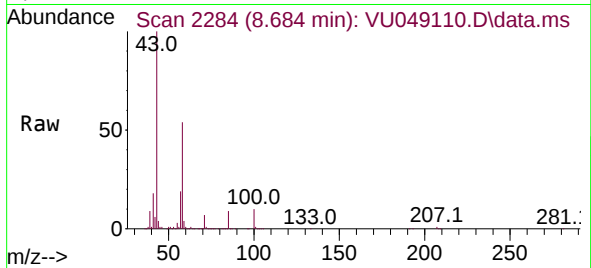




#48
2-Hexanone
Concen: 58.728 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

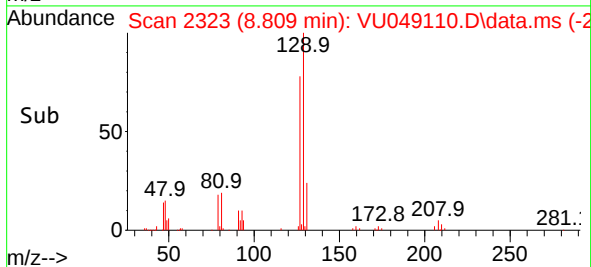
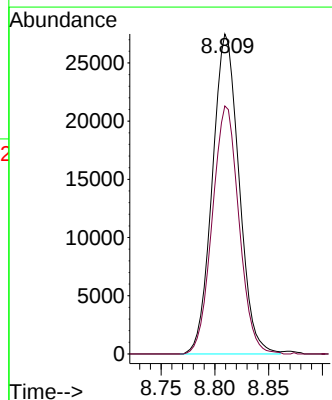
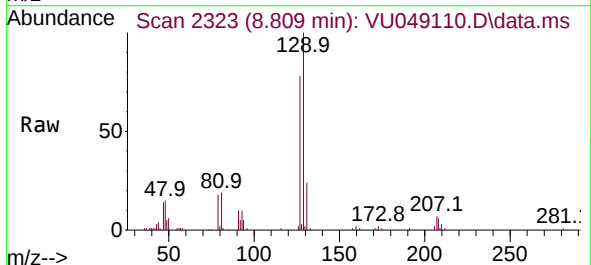
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

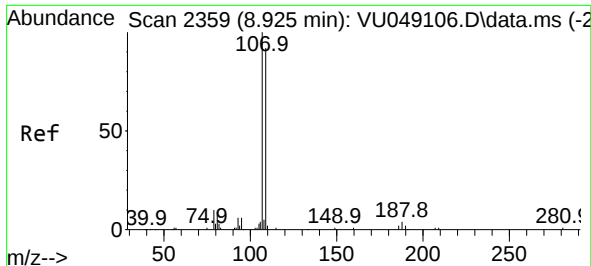
Tgt Ion: 43 Resp: 343239
Ion Ratio Lower Upper
43 100
58 53.0 43.4 65.0
57 19.2 14.9 22.3
100 10.3 8.2 12.4



#49
Dibromochloromethane
Concen: 5.420 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion: 129 Resp: 47511
Ion Ratio Lower Upper
129 100
127 77.5 54.9 101.9





#50

1,2-Dibromoethane

Concen: 5.394 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD005110

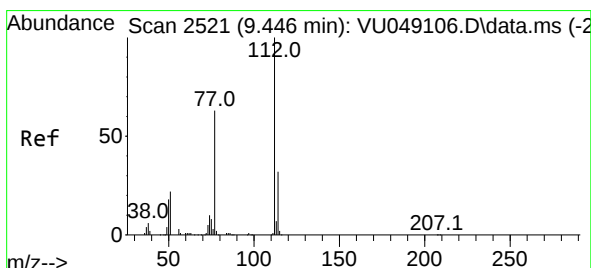
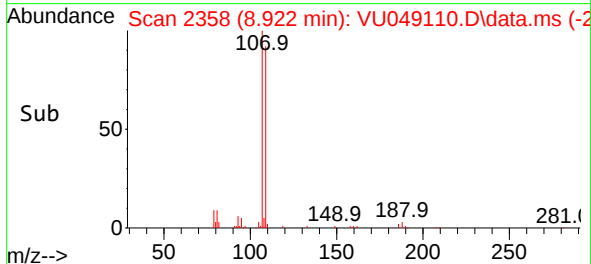
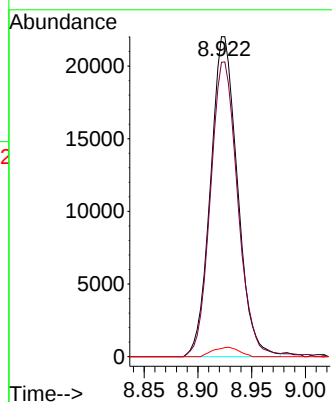
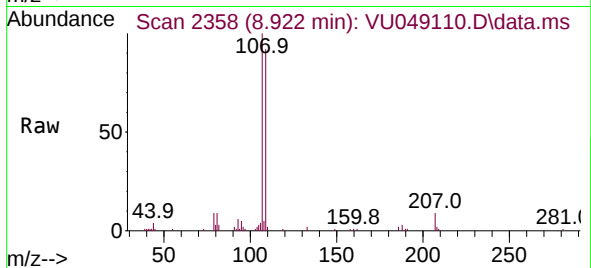
Tgt Ion:107 Resp: 38416

Ion Ratio Lower Upper

107 100

109 92.0 64.4 119.6

188 2.6 2.9 4.3#



#51

Chlorobenzene

Concen: 5.420 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

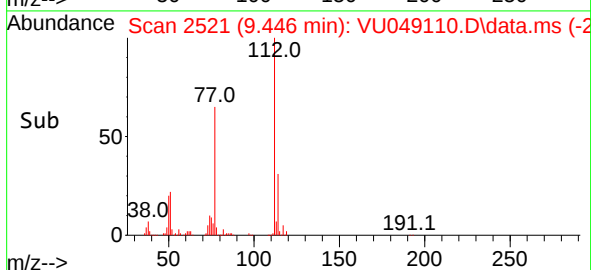
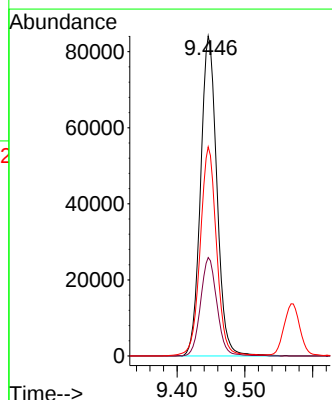
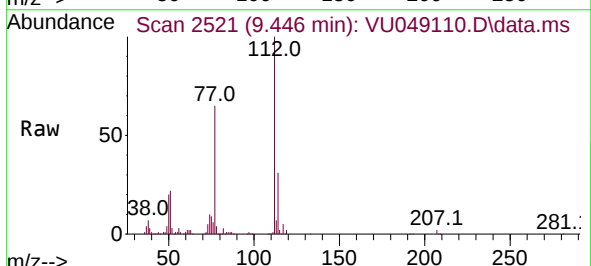
Tgt Ion:112 Resp: 140373

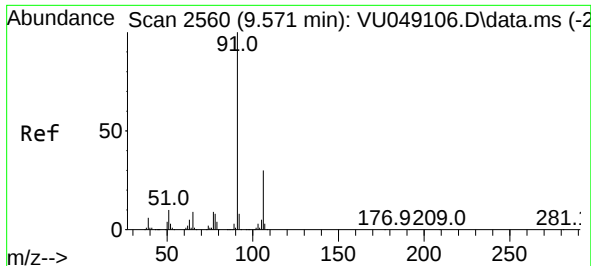
Ion Ratio Lower Upper

112 100

114 30.8 22.3 41.3

77 65.3 51.0 76.6

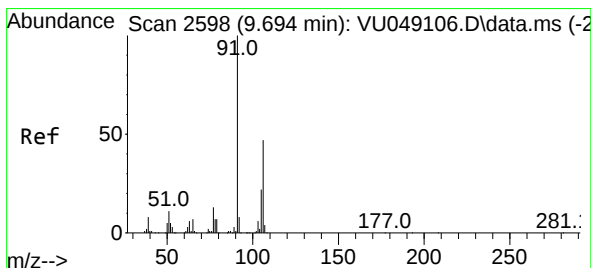
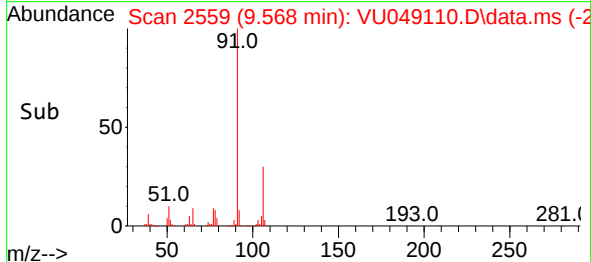
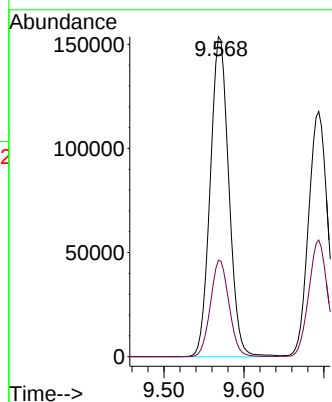
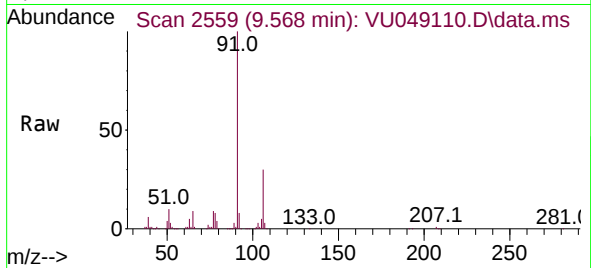




#52
Ethylbenzene
Concen: 5.348 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

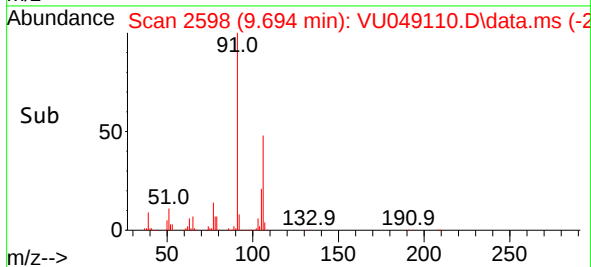
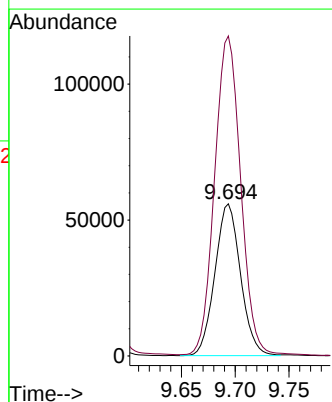
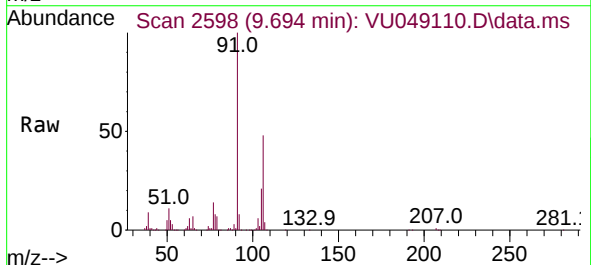
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

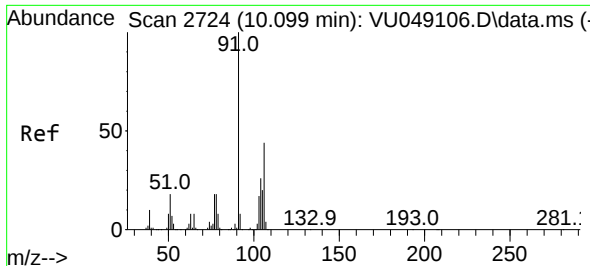
Tgt Ion: 91 Resp: 248462
Ion Ratio Lower Upper
91 100
106 30.2 21.2 39.4



#53
m,p-Xylene
Concen: 5.359 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion: 106 Resp: 92510
Ion Ratio Lower Upper
106 100
91 210.3 148.5 275.7

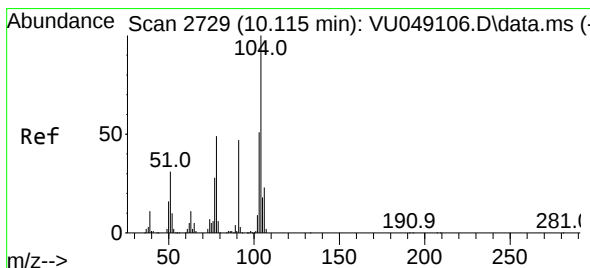
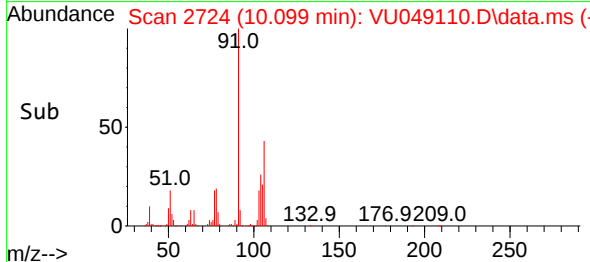
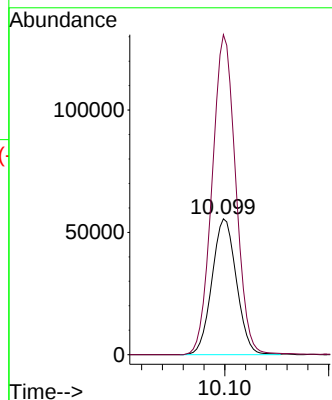
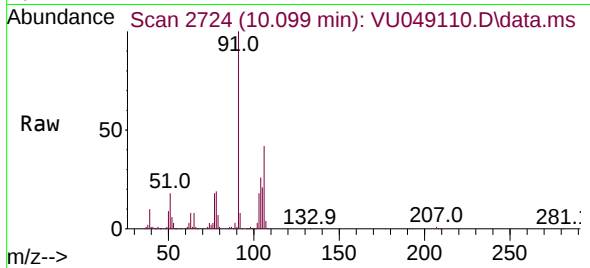




#54
o-Xylene
Concen: 5.298 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

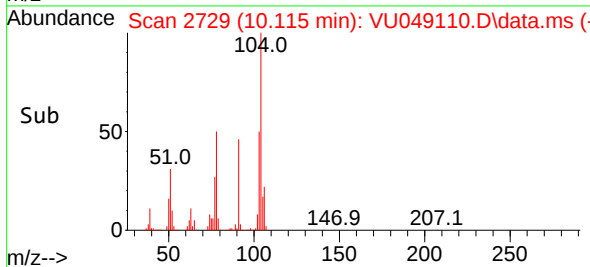
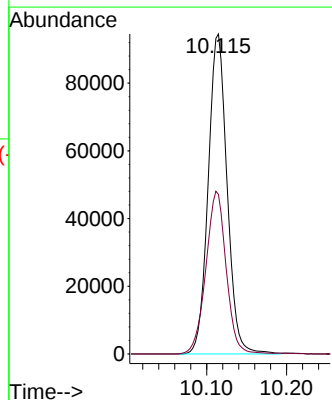
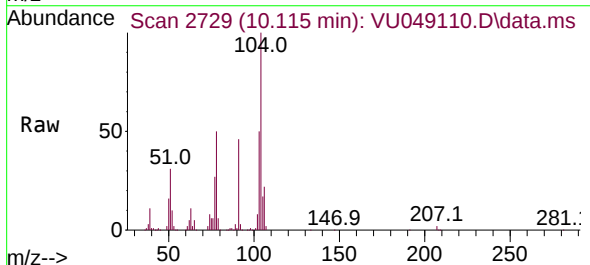
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

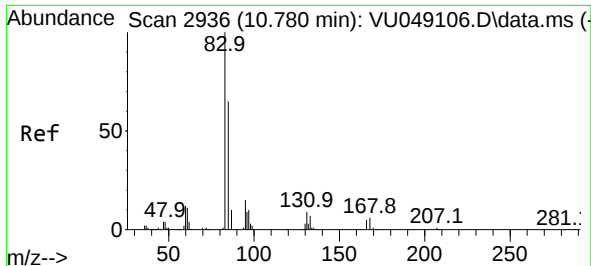
Tgt Ion:106 Resp: 90688
Ion Ratio Lower Upper
106 100
91 235.6 157.5 292.5



#55
Styrene
Concen: 5.418 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion:104 Resp: 155312
Ion Ratio Lower Upper
104 100
78 49.8 34.1 63.3

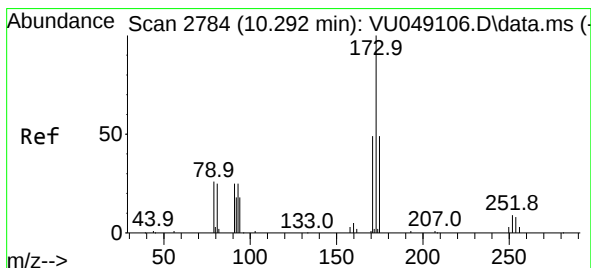
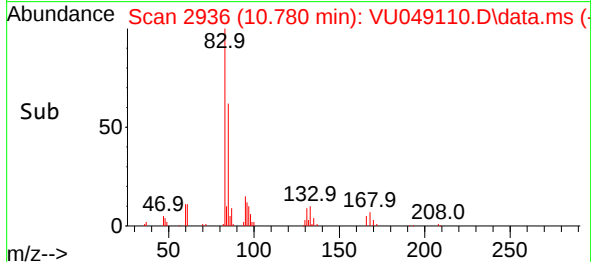
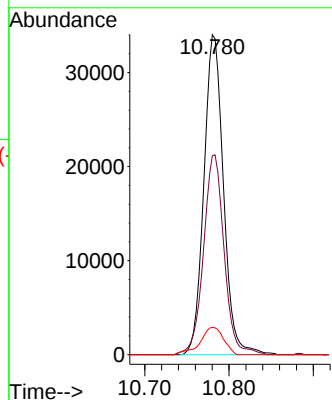
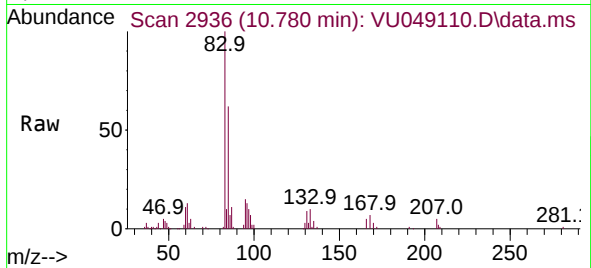




#57
1,1,2,2-Tetrachloroethane
Concen: 5.421 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

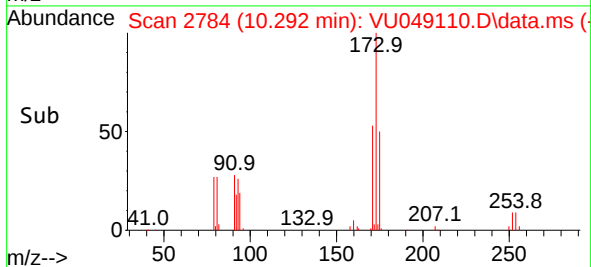
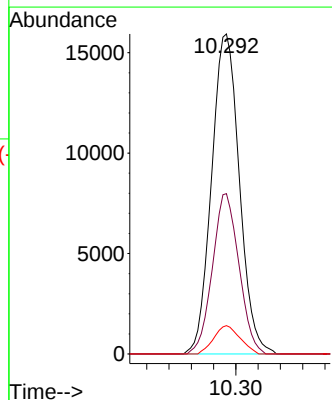
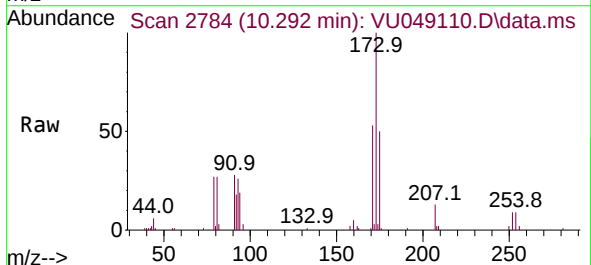
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

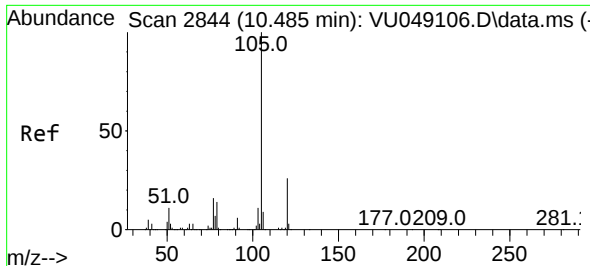
Tgt Ion: 83 Resp: 55119
Ion Ratio Lower Upper
83 100
85 62.1 45.4 84.4
131 8.5 7.1 10.7



#59
Bromoform
Concen: 5.463 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion: 173 Resp: 27628
Ion Ratio Lower Upper
173 100
175 47.7 37.9 56.9
254 8.3 6.6 9.8

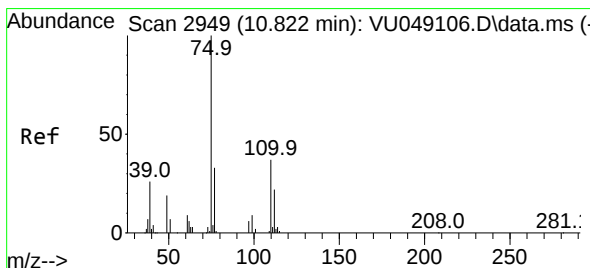
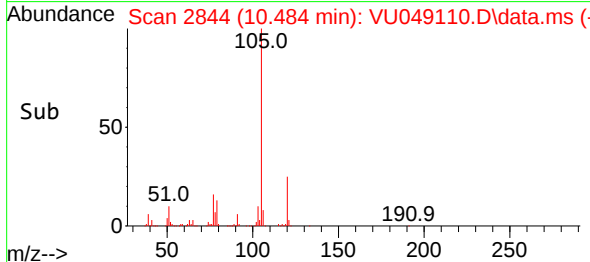
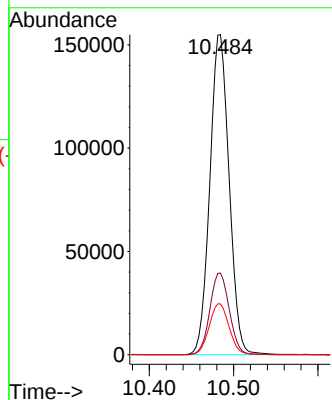
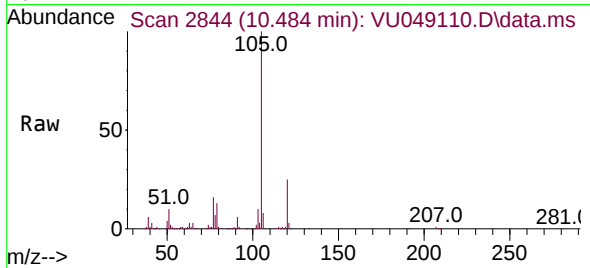




#60
Isopropylbenzene
Concen: 5.370 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

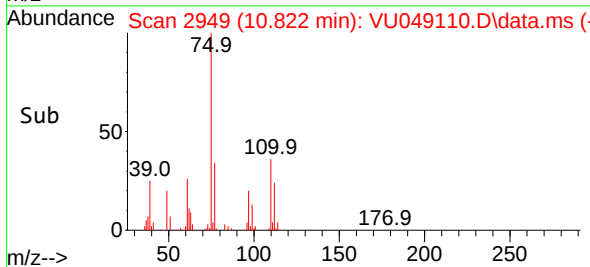
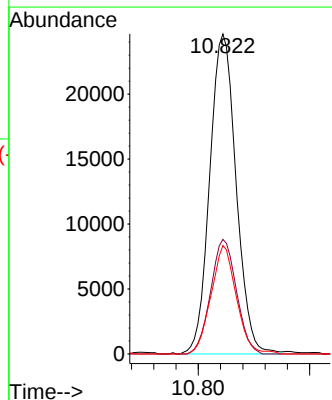
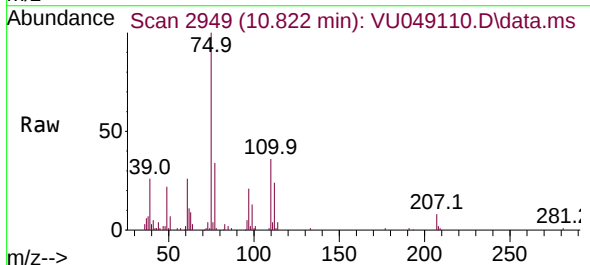
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

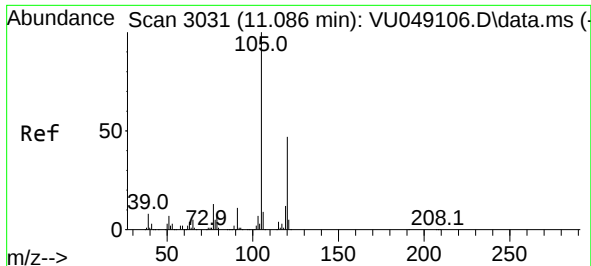
Tgt Ion:105 Resp: 246269
Ion Ratio Lower Upper
105 100
120 25.7 20.3 30.5
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.362 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion: 75 Resp: 40506
Ion Ratio Lower Upper
75 100
110 34.9 29.0 43.4
77 32.5 26.2 39.2





#62

1,3,5-Trimethylbenzene

Concen: 5.370 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

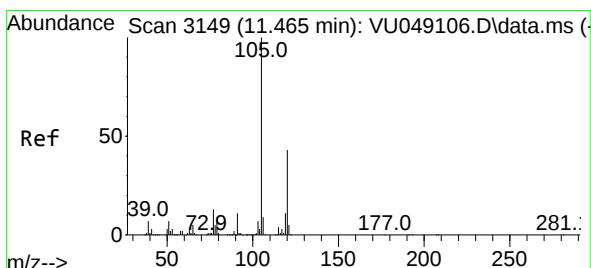
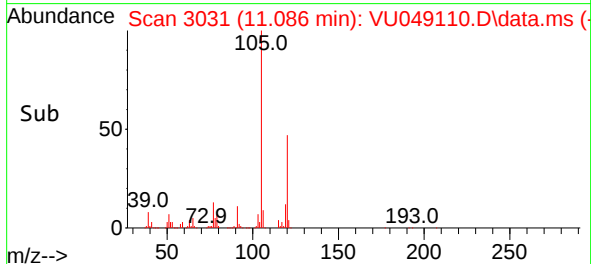
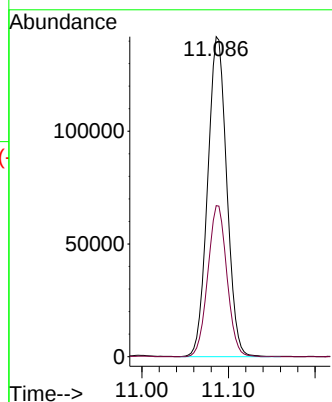
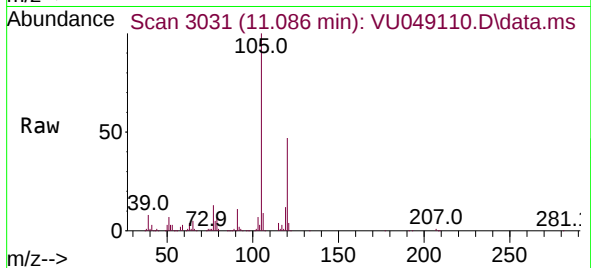
VSTD005110

Tgt Ion:105 Resp: 217397

Ion Ratio Lower Upper

105 100

120 47.2 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 5.374 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VU049110.D

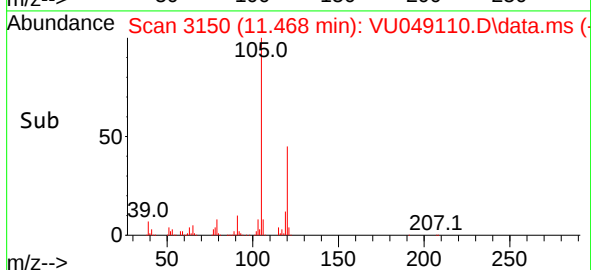
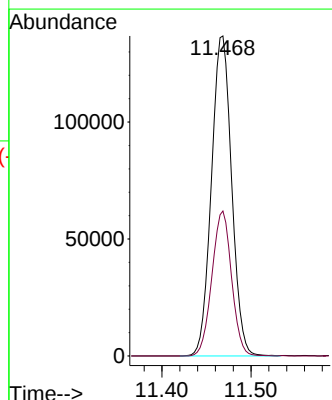
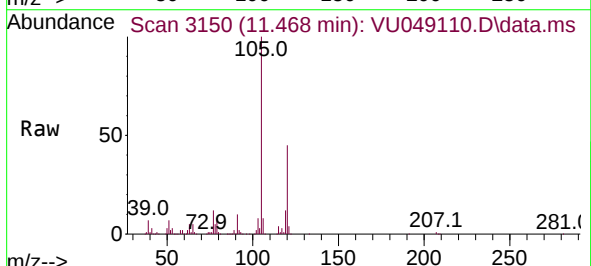
Acq: 14 Jun 2022 13:12

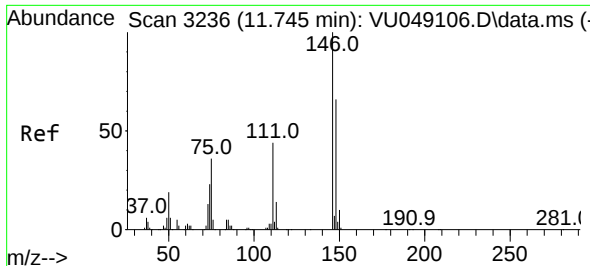
Tgt Ion:105 Resp: 215539

Ion Ratio Lower Upper

105 100

120 44.0 34.6 52.0

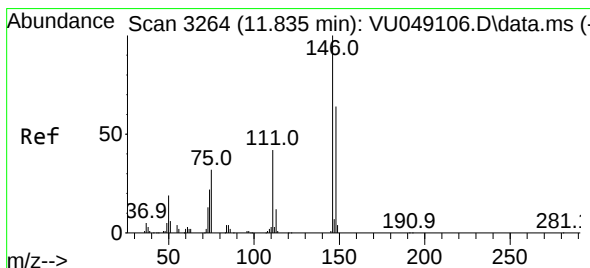
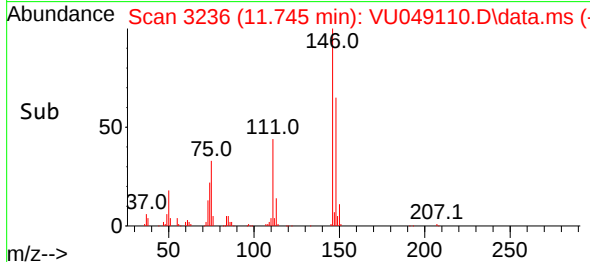
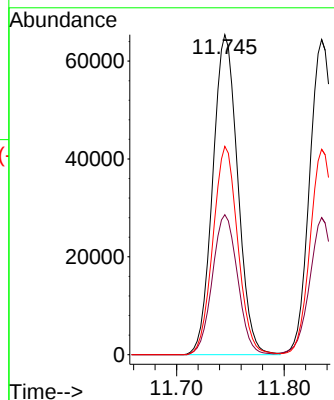
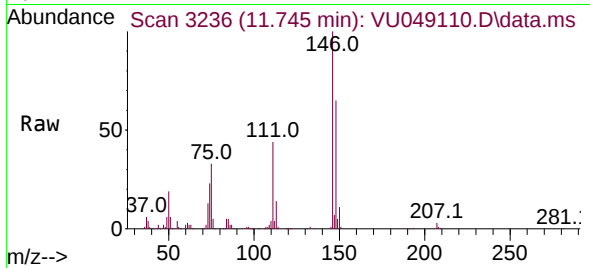




#64
 1,3-Dichlorobenzene
 Concen: 5.379 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU049110.D
 Acq: 14 Jun 2022 13:12

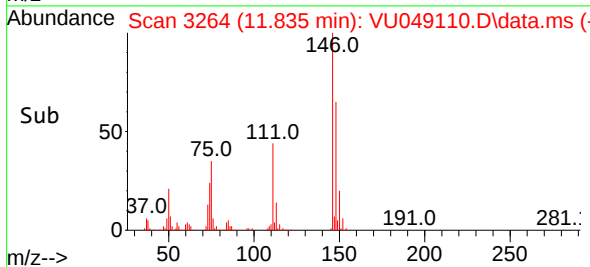
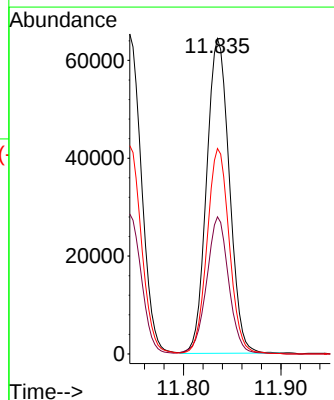
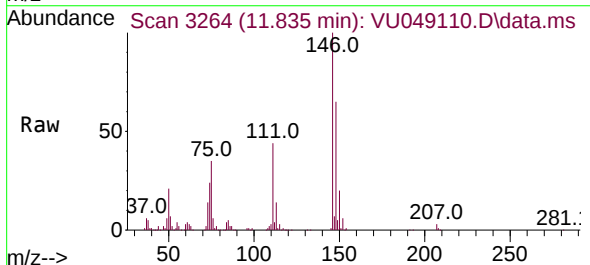
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005110

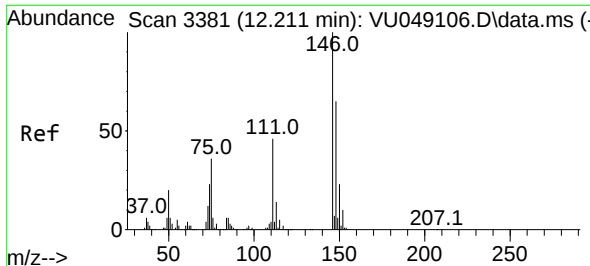
Tgt Ion:146 Resp: 105586
 Ion Ratio Lower Upper
 146 100
 111 43.8 30.9 57.5
 148 65.1 46.1 85.7



#65
 1,4-Dichlorobenzene
 Concen: 5.367 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.000 min
 Lab File: VU049110.D
 Acq: 14 Jun 2022 13:12

Tgt Ion:146 Resp: 104114
 Ion Ratio Lower Upper
 146 100
 111 43.5 29.8 55.4
 148 65.2 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.436 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD005110

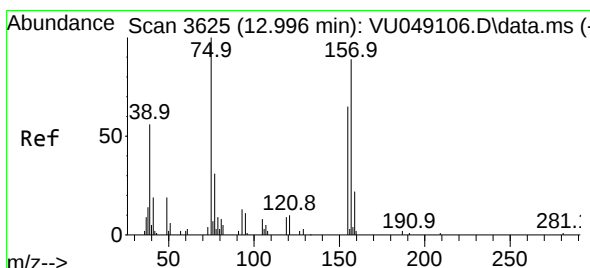
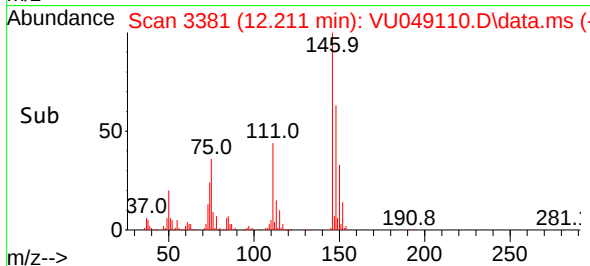
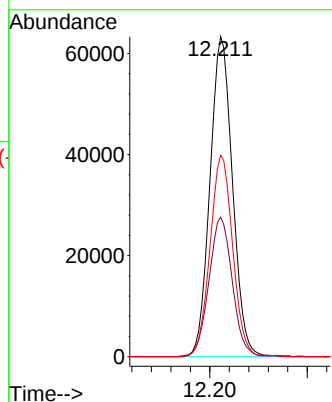
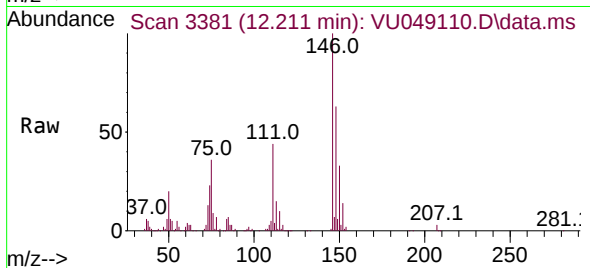
Tgt Ion:146 Resp: 101533

Ion Ratio Lower Upper

146 100

111 43.6 36.6 55.0

148 62.9 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.467 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049110.D

Acq: 14 Jun 2022 13:12

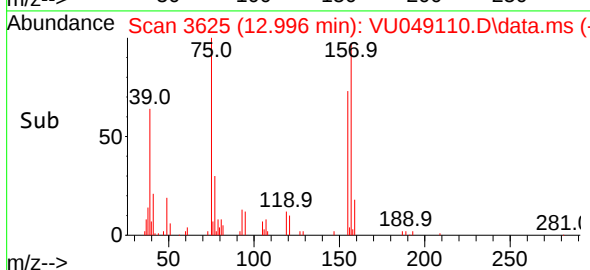
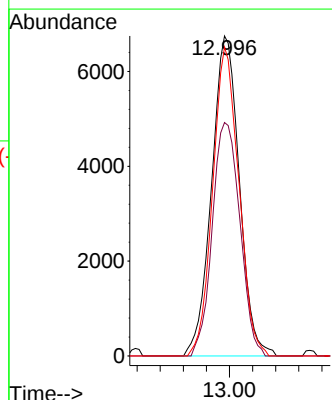
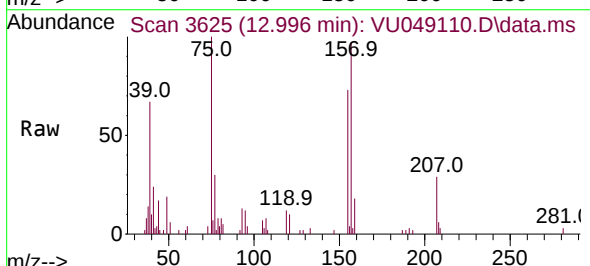
Tgt Ion: 75 Resp: 11256

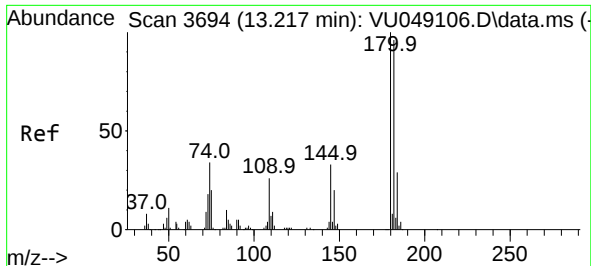
Ion Ratio Lower Upper

75 100

155 73.0 52.0 78.0

157 96.5 71.4 107.2

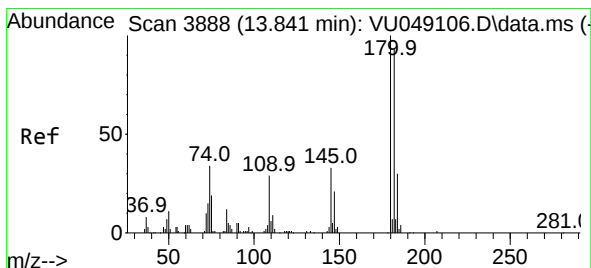
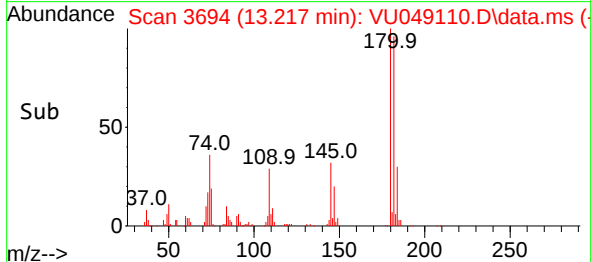
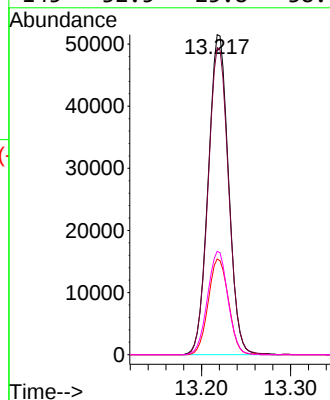
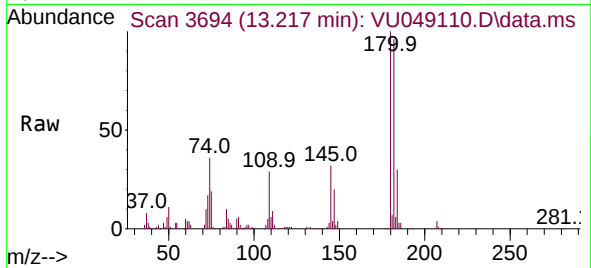




#69
 1,3,5-Trichlorobenzene
 Concen: 5.529 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU049110.D
 Acq: 14 Jun 2022 13:12

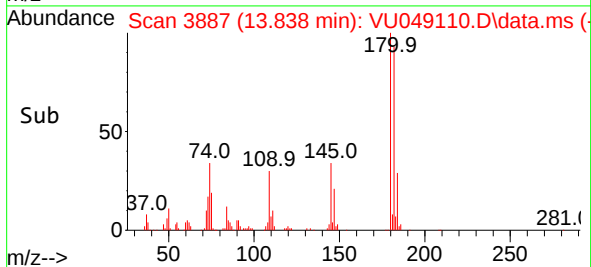
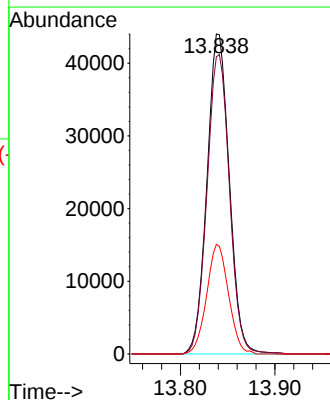
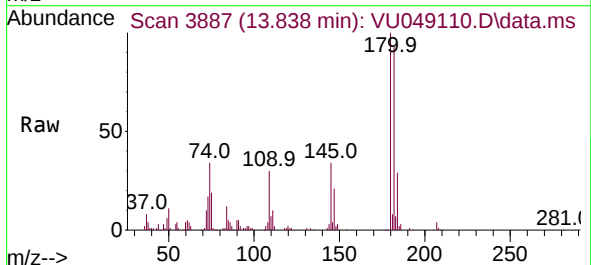
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005110

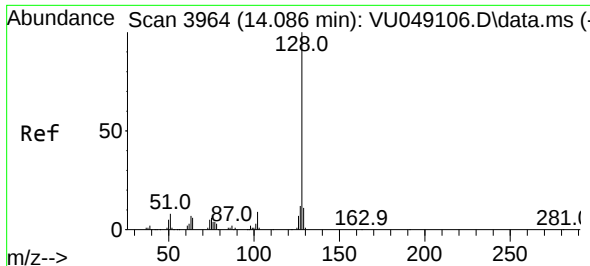
Tgt Ion:180	Resp:	81381
Ion Ratio	Lower	Upper
180	100	
182	97.1	75.0 112.4
184	29.8	23.2 34.8
145	32.5	25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 6.169 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.003 min
 Lab File: VU049110.D
 Acq: 14 Jun 2022 13:12

Tgt Ion:180	Resp:	72178
Ion Ratio	Lower	Upper
180	100	
182	94.2	74.6 112.0
145	33.6	26.1 39.1

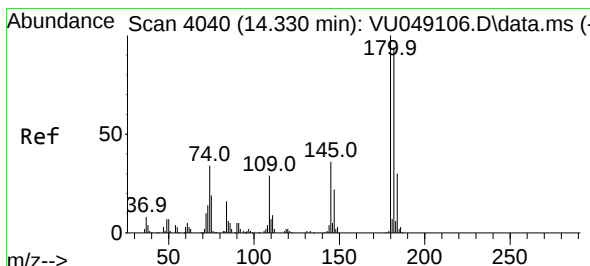
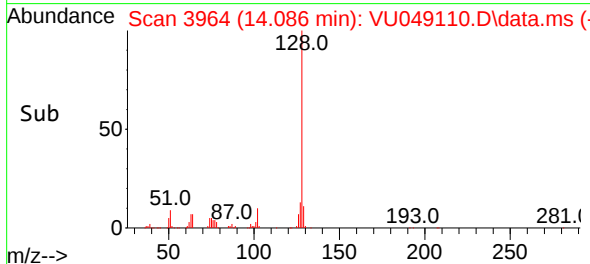
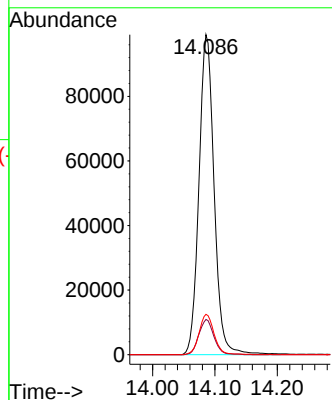
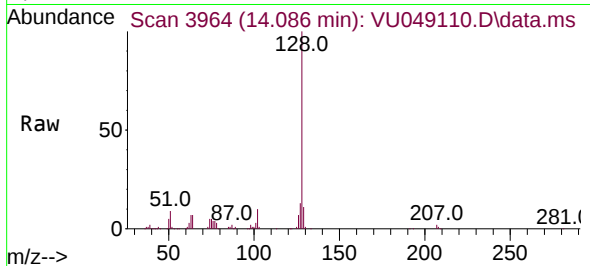




#71
Naphthalene
Concen: 7.217 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

Tgt Ion:128 Resp: 167798
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 12.4 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 6.176 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU049110.D
Acq: 14 Jun 2022 13:12

Tgt Ion:180 Resp: 67945
Ion Ratio Lower Upper
180 100
182 94.9 75.6 113.4
145 34.3 27.9 41.9

