

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
 Data File : VU048659.D
 Acq On : 23 May 2022 18:32
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050139

Quant Time: May 24 02:56:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 24 02:53:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	220729	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	216136	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	131589	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38271	28.308	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	56.620%#
7) Chloroethane-d5	1.909	69	35506	35.055	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.100%
11) 1,1-Dichloroethene-d2	2.568	63	115827	37.883	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.760%
21) 2-Butanone-d5	4.620	46	126484	98.312	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.310%
24) Chloroform-d	5.063	84	159174	46.592	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.180%
26) 1,2-Dichloroethane-d4	5.703	65	113548	47.111	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.220%
32) Benzene-d6	5.729	84	252604	41.994	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.980%
36) 1,2-Dichloropropane-d6	6.690	67	78767	44.605	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.200%
41) Toluene-d8	7.899	98	238840	42.213	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.420%
43) trans-1,3-Dichloroprop...	8.179	79	47597	42.151	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.300%
47) 2-Hexanone-d5	8.632	63	95501	98.614	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.610%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	139600	47.774	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.540%
66) 1,2-Dichlorobenzene-d4	12.192	152	121139	45.032	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	107995	45.528	ug/L	98
3) Chloromethane	1.520	50	58565	40.015	ug/L	99
5) Vinyl chloride	1.604	62	66761	42.880	ug/L	99
6) Bromomethane	1.851	94	50294	44.746	ug/L	96
8) Chloroethane	1.928	64	40594	44.297	ug/L	100
9) Trichlorofluoromethane	2.137	101	146737	48.278	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	74804	48.265	ug/L	93
12) 1,1-Dichloroethene	2.578	96	68669	47.815	ug/L	99
13) Acetone	2.623	43	81284	77.766	ug/L	99
14) Carbon disulfide	2.793	76	180240	43.248	ug/L	100
15) Methyl Acetate	2.948	43	80136	44.922	ug/L	97
16) Methylene chloride	3.044	84	80245	47.996	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	73676	47.565	ug/L	100
18) Methyl tert-butyl Ether	3.366	73	270972	50.422	ug/L	99
19) 1,1-Dichloroethane	3.871	63	138859	48.967	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	85736	49.082	ug/L	99
22) 2-Butanone	4.700	43	113942	85.855	ug/L	100
23) Bromochloromethane	4.973	128	49307	50.868	ug/L	94
25) Chloroform	5.089	83	166065	50.170	ug/L	97

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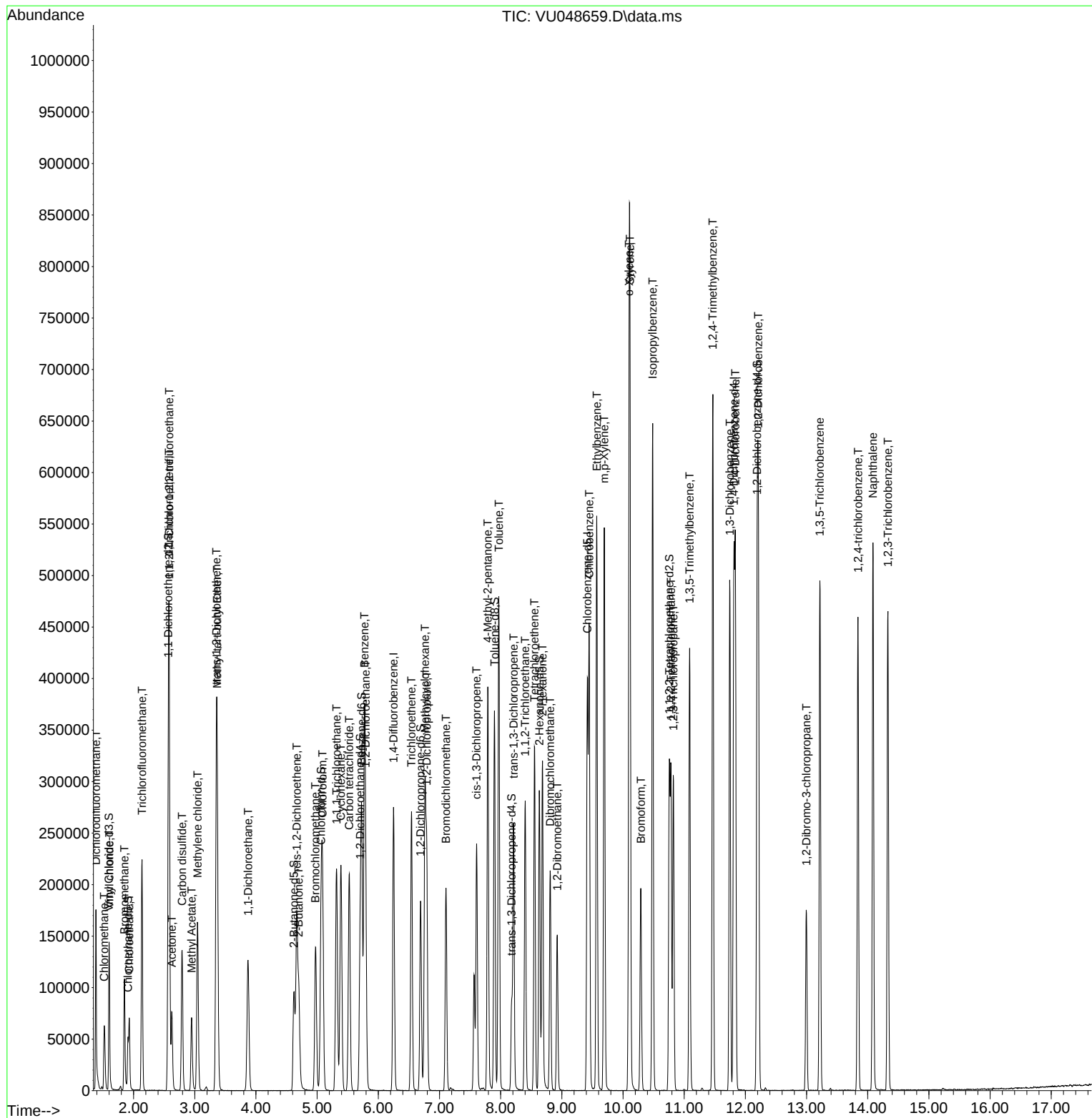
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	144065	50.737	ug/L	98
29) Cyclohexane	5.388	56	102197	46.035	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	165882	50.688	ug/L	98
31) Carbon tetrachloride	5.523	117	150638	50.507	ug/L	97
33) Benzene	5.774	78	307598	48.713	ug/L	100
34) Trichloroethene	6.542	95	89607	50.157	ug/L	99
35) Methylcyclohexane	6.764	83	121540	47.408	ug/L	98
37) 1,2-Dichloropropane	6.790	63	75072	47.546	ug/L	99
38) Bromodichloromethane	7.105	83	129694	50.769	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	130380	48.365	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	222361	92.285	ug/L	98
42) Toluene	7.970	91	343716	49.940	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	144104	50.689	ug/L	96
45) 1,1,2-Trichloroethane	8.401	97	85442	50.532	ug/L	99
46) Tetrachloroethene	8.552	164	75786	51.986	ug/L	97
48) 2-Hexanone	8.684	43	177505	85.981	ug/L	98
49) Dibromochloromethane	8.809	129	112551	51.775	ug/L	99
50) 1,2-Dibromoethane	8.925	107	96932	49.673	ug/L	98
51) Chlorobenzene	9.446	112	238032	49.588	ug/L	100
52) Ethylbenzene	9.571	91	384226	48.851	ug/L	98
53) m,p-Xylene	9.693	106	157650	49.876	ug/L	99
54) o-Xylene	10.099	106	150994	49.864	ug/L	99
55) Styrene	10.115	104	267712	50.848	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	138698	47.463	ug/L	99
59) Bromoform	10.291	173	91997	50.860	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	123787	47.433	ug/L	98
61) Isopropylbenzene	10.484	105	409389	50.517	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	233359	50.650	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	367141	51.246	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	202580	48.473	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	206809	47.687	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	207095	48.719	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	46968	46.548	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	157419	47.259	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	141968	47.123	ug/L	99
71) Naphthalene	14.086	128	432355	43.523	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	147584	48.791	ug/L	99

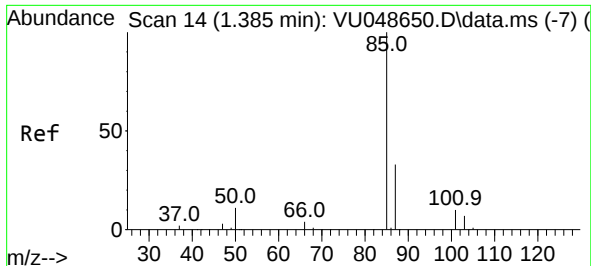
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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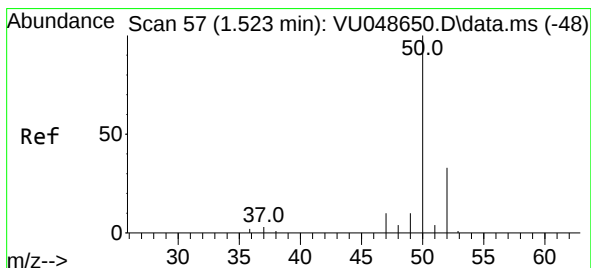
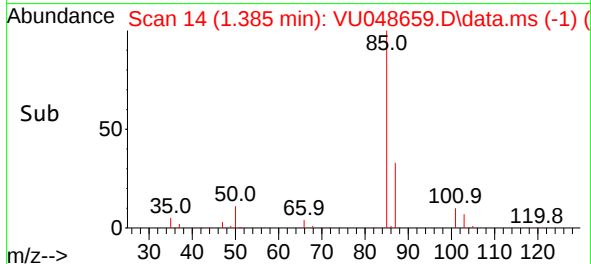
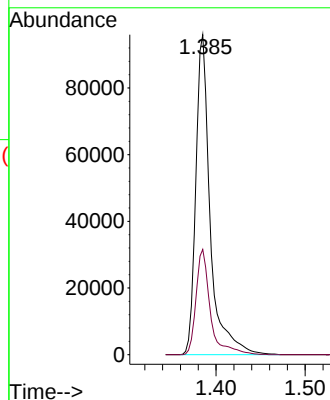
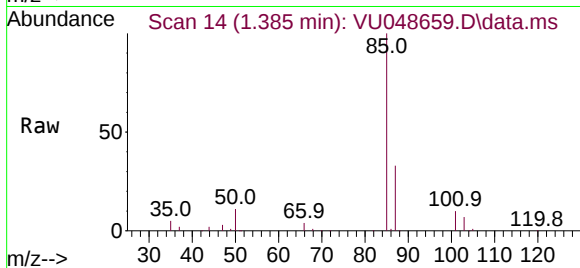




#2
Dichlorodifluoromethane
Concen: 45.528 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

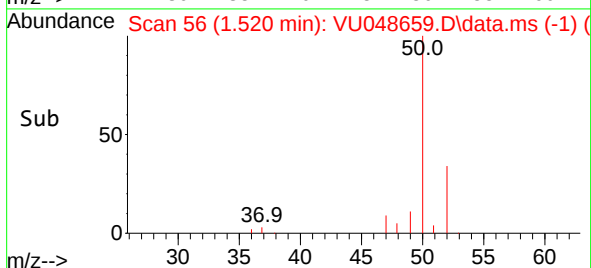
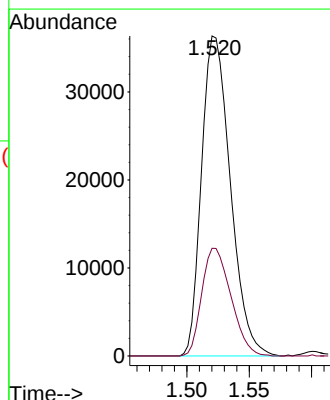
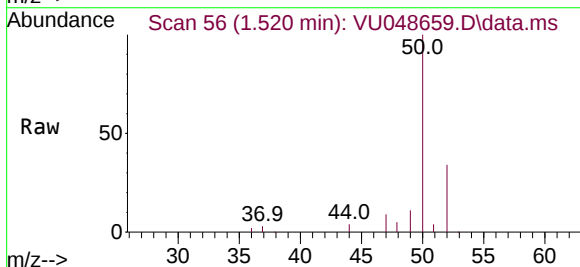
Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

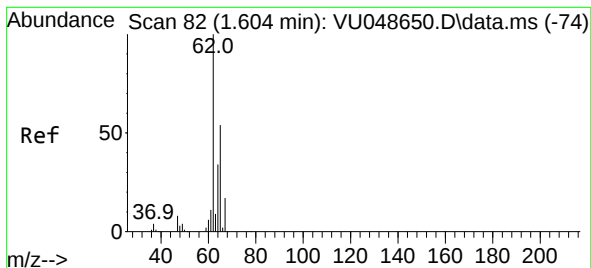
Tgt Ion: 85 Resp: 107995
Ion Ratio Lower Upper
85 100
87 32.8 25.4 38.2



#3
Chloromethane
Concen: 40.015 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion: 50 Resp: 58565
Ion Ratio Lower Upper
50 100
52 33.6 23.8 44.2





#5

Vinyl chloride

Concen: 42.880 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

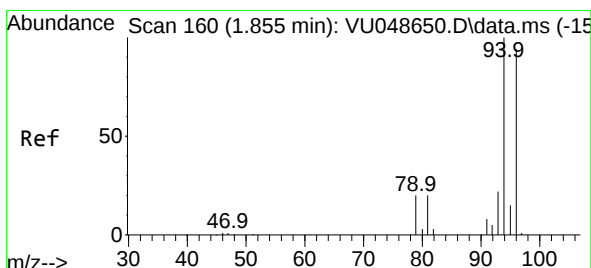
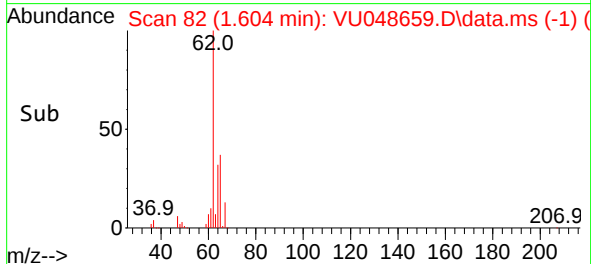
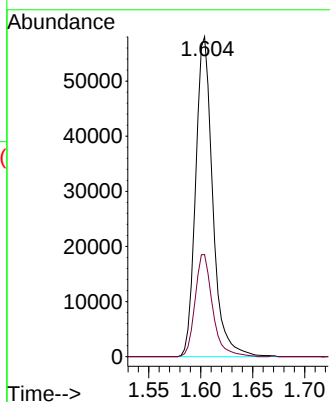
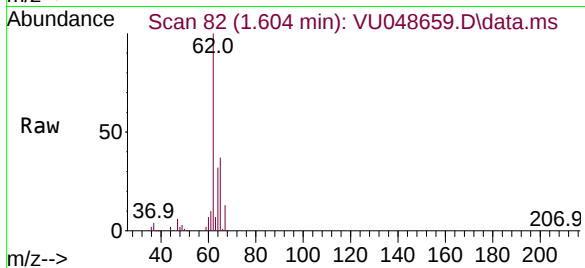
VSTD050139

Tgt Ion: 62 Resp: 66761

Ion Ratio Lower Upper

62 100

64 31.9 22.9 42.5



#6

Bromomethane

Concen: 44.746 ug/L

RT: 1.851 min Scan# 159

Delta R.T. -0.003 min

Lab File: VU048659.D

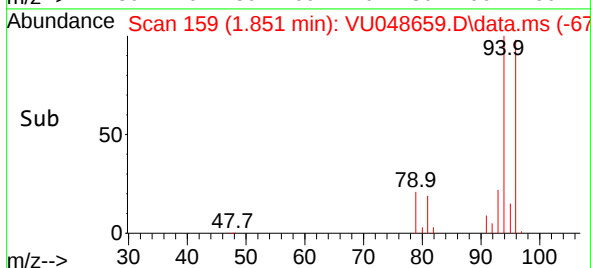
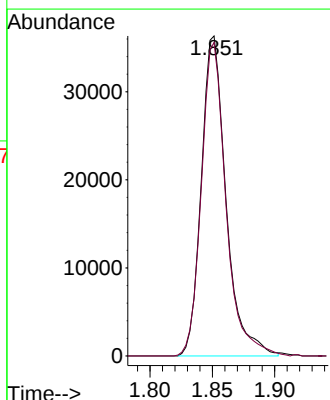
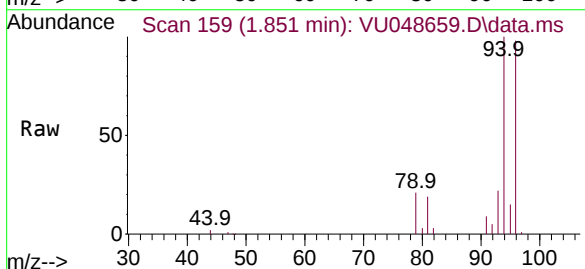
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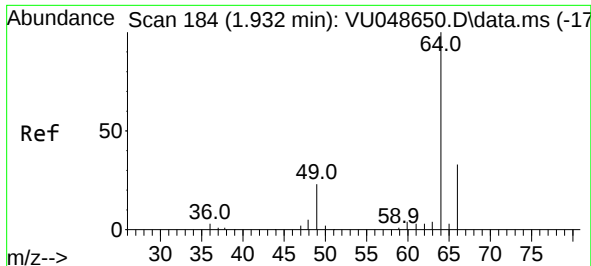
Tgt Ion: 94 Resp: 50294

Ion Ratio Lower Upper

94 100

96 98.0 65.7 121.9

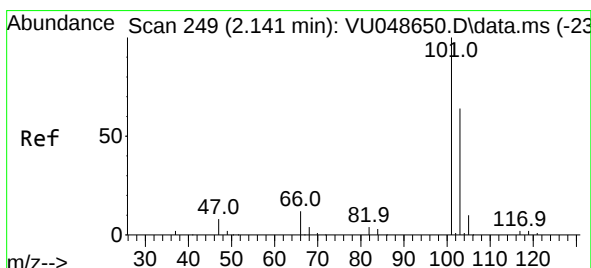
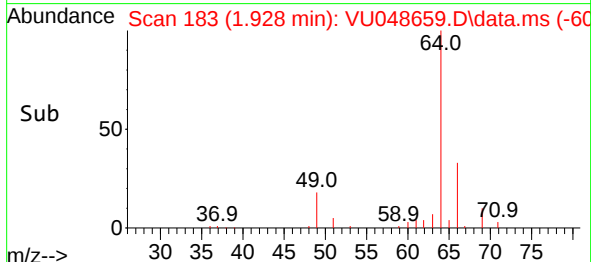
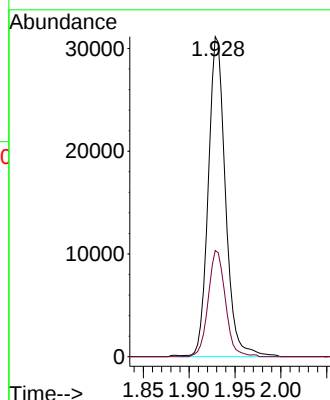
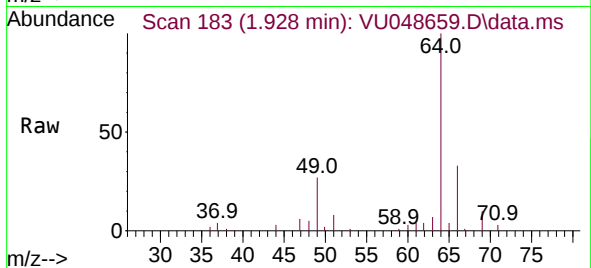




#8
Chloroethane
Concen: 44.297 ug/L
RT: 1.928 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

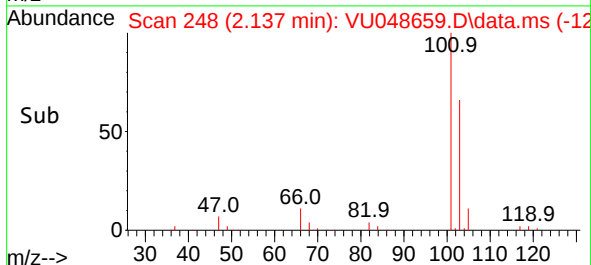
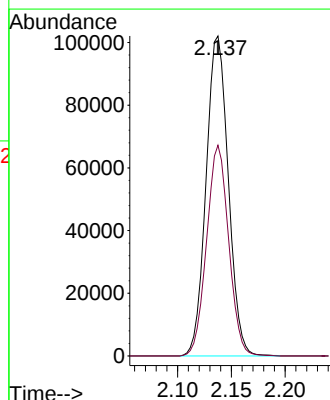
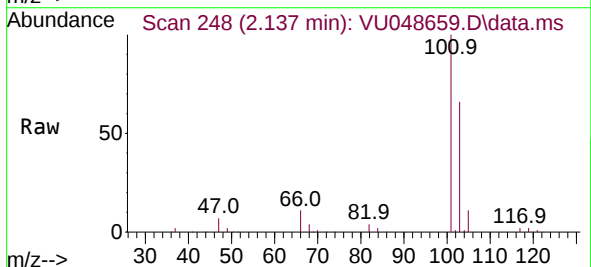
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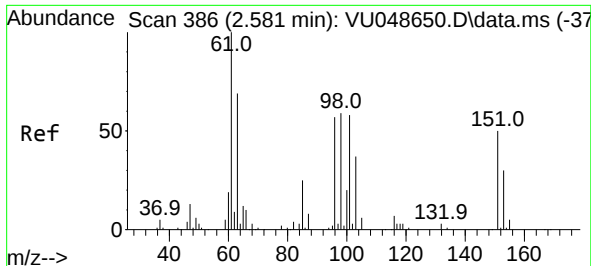
Tgt Ion: 64 Resp: 40594
Ion Ratio Lower Upper
64 100
66 33.2 23.1 42.9



#9
Trichlorofluoromethane
Concen: 48.278 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion:101 Resp: 146737
Ion Ratio Lower Upper
101 100
103 65.3 51.6 77.4

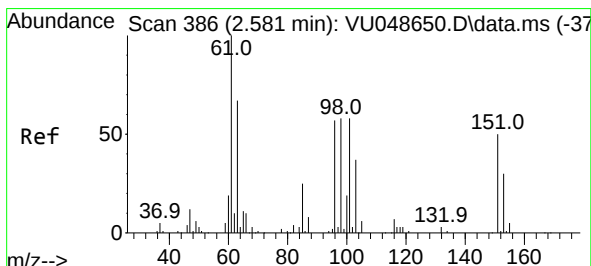
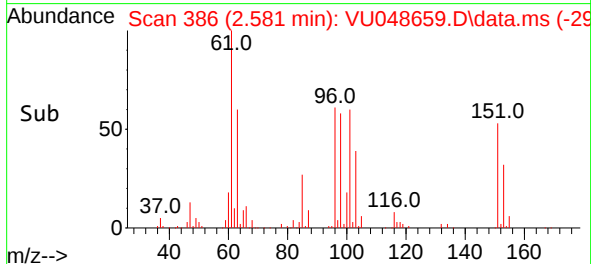
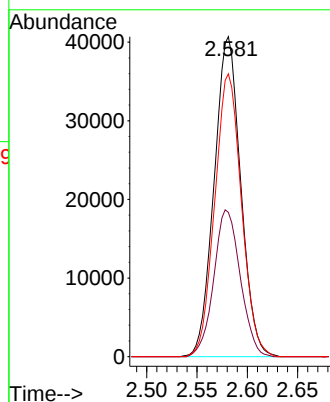
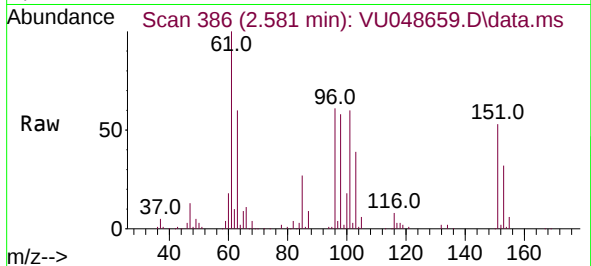




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.265 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU048659.D
 Acq: 23 May 2022 18:32

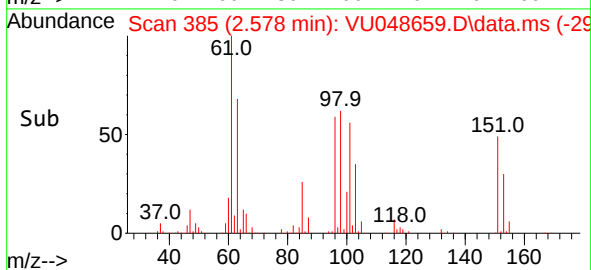
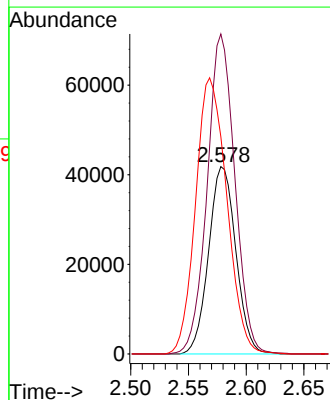
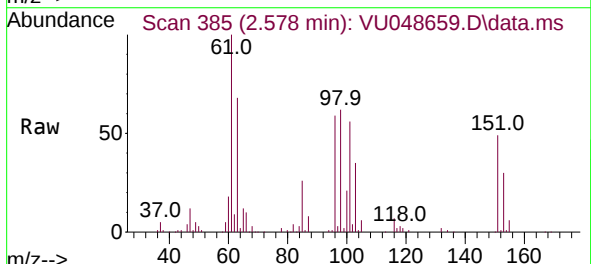
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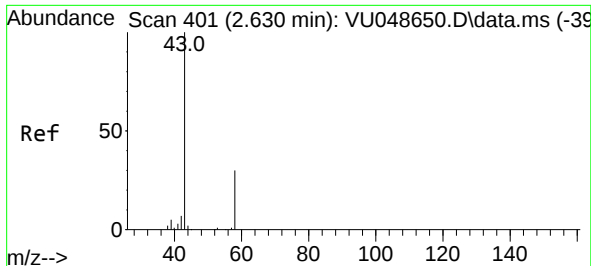
Tgt Ion:101 Resp: 74804
 Ion Ratio Lower Upper
 101 100
 85 45.8 35.7 53.5
 151 88.7 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 47.815 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU048659.D
 Acq: 23 May 2022 18:32

Tgt Ion: 96 Resp: 68669
 Ion Ratio Lower Upper
 96 100
 61 170.7 120.6 224.0
 63 115.9 82.3 152.9





#13

Acetone

Concen: 77.766 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.007 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

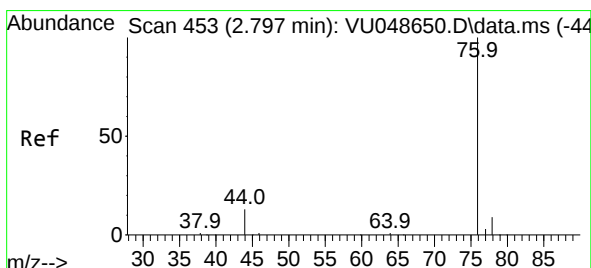
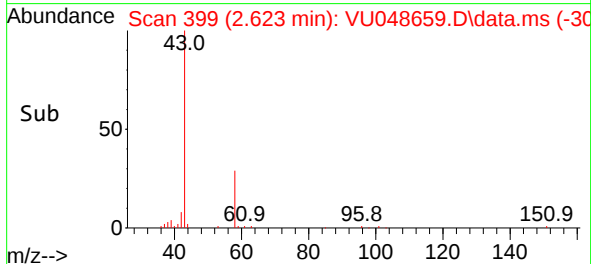
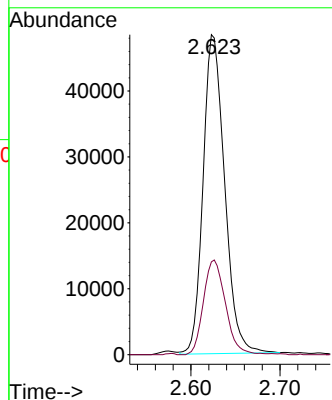
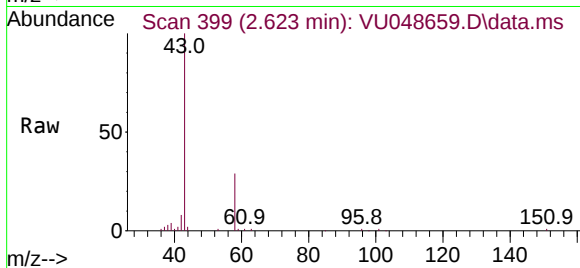
VSTD050139

Tgt Ion: 43 Resp: 81284

Ion Ratio Lower Upper

43 100

58 30.3 0.0 59.8



#14

Carbon disulfide

Concen: 43.248 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

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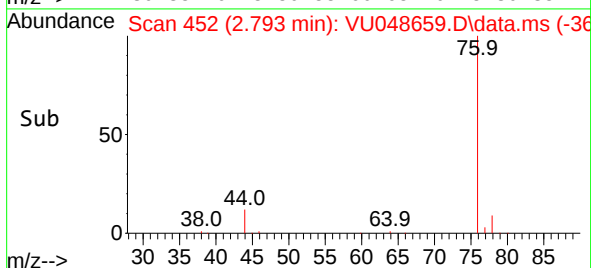
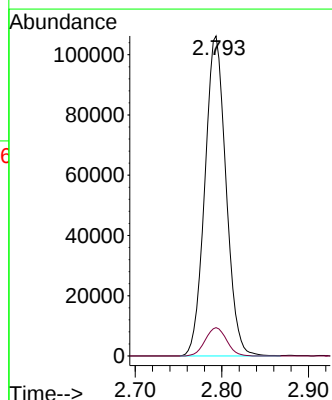
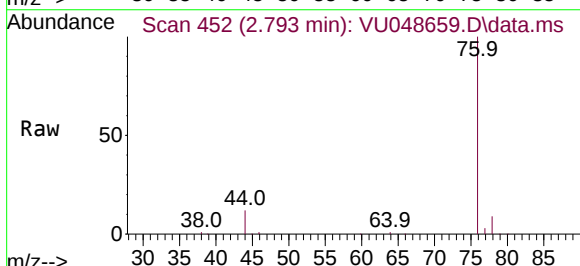
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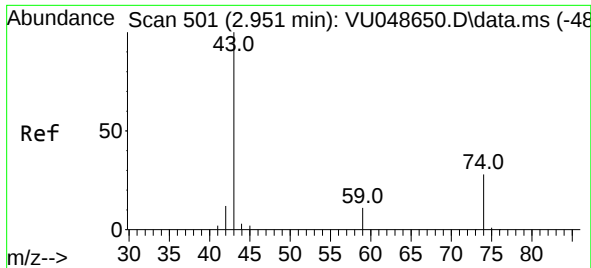
Tgt Ion: 76 Resp: 180240

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

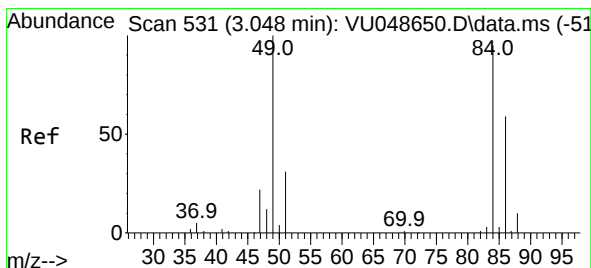
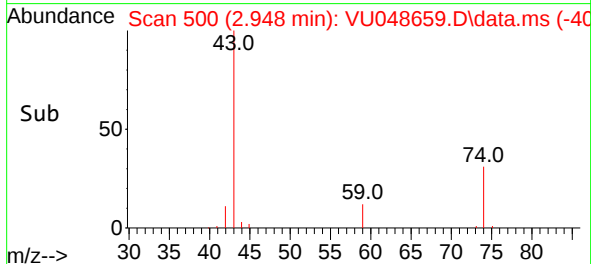
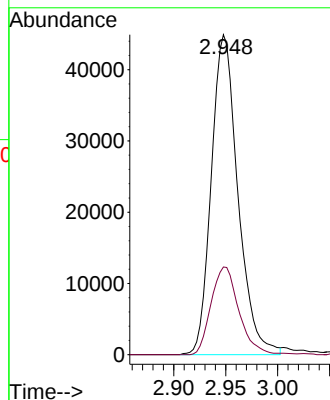
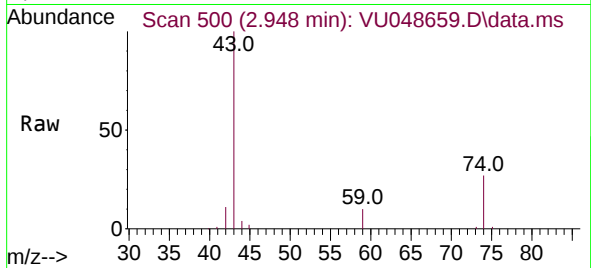




#15
Methyl Acetate
Concen: 44.922 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

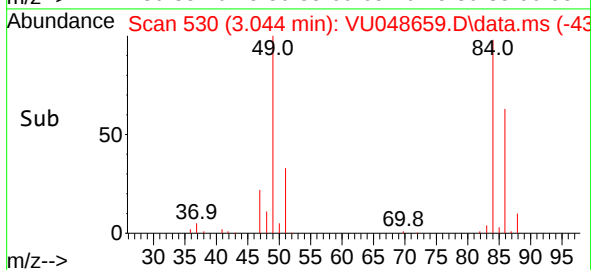
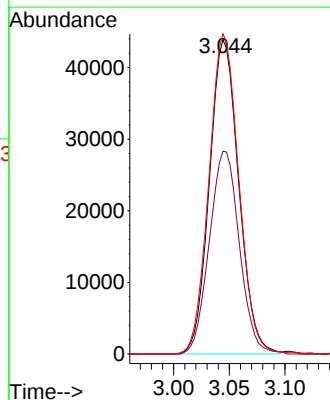
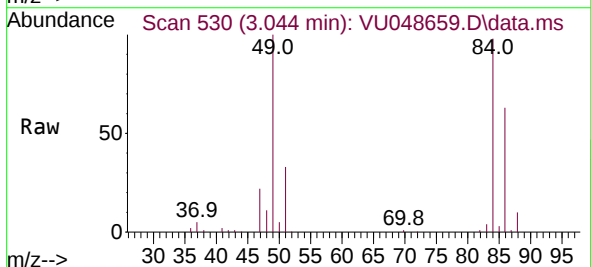
Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

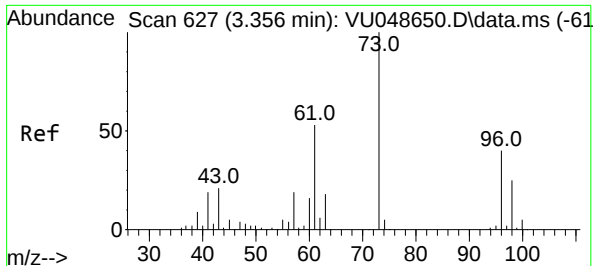
Tgt Ion: 43 Resp: 80136
Ion Ratio Lower Upper
43 100
74 28.5 21.7 32.5



#16
Methylene chloride
Concen: 47.996 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion: 84 Resp: 80245
Ion Ratio Lower Upper
84 100
86 64.6 43.5 80.9
49 101.9 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 47.565 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD050139

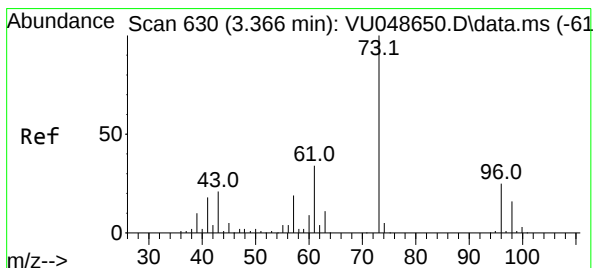
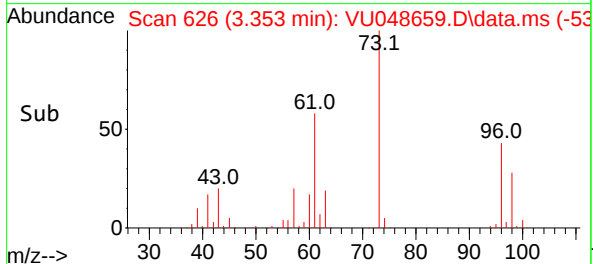
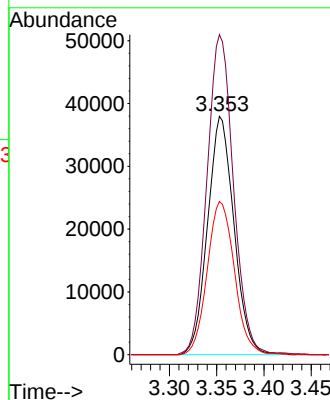
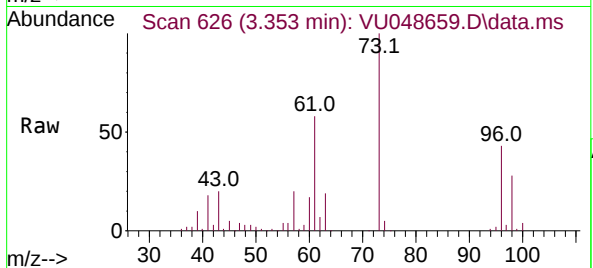
Tgt Ion: 96 Resp: 73676

Ion Ratio Lower Upper

96 100

61 134.2 94.2 175.0

98 64.2 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 50.422 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.000 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

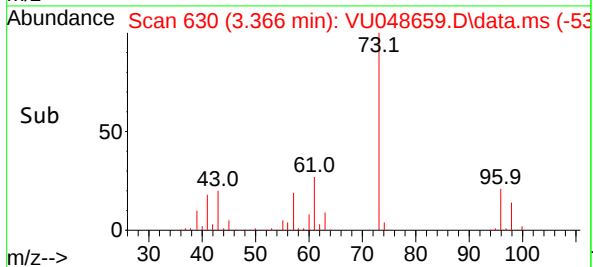
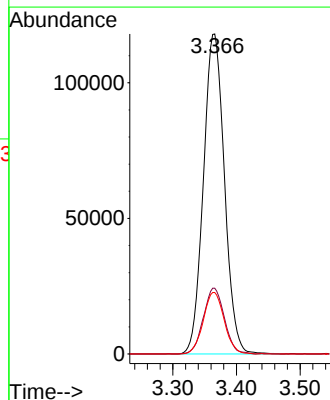
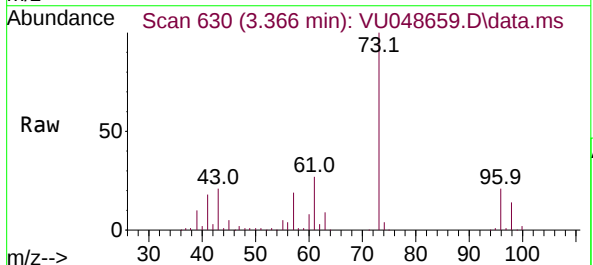
Tgt Ion: 73 Resp: 270972

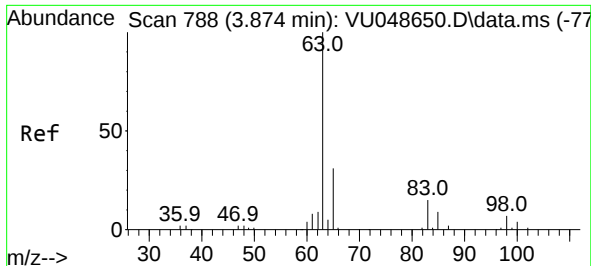
Ion Ratio Lower Upper

73 100

43 20.5 16.2 24.4

57 19.2 15.7 23.5





#19

1,1-Dichloroethane

Concen: 48.967 ug/L

RT: 3.871 min Scan# 787

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD050139

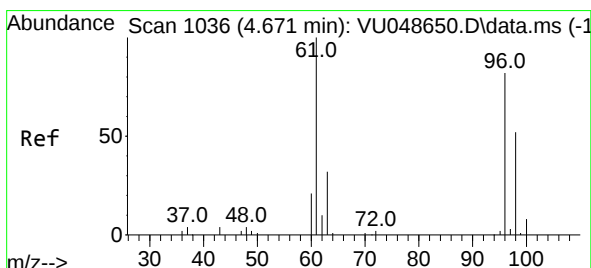
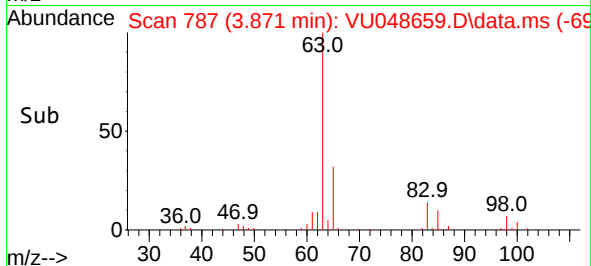
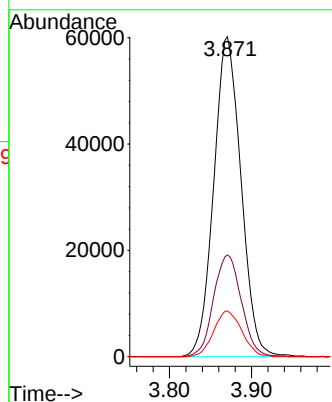
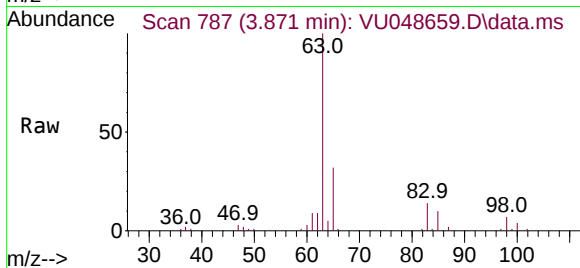
Tgt Ion: 63 Resp: 138859

Ion Ratio Lower Upper

63 100

65 31.8 21.8 40.6

83 14.3 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 49.082 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

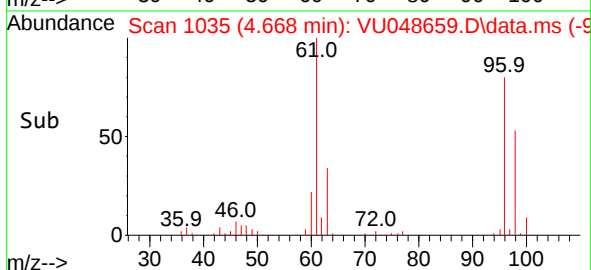
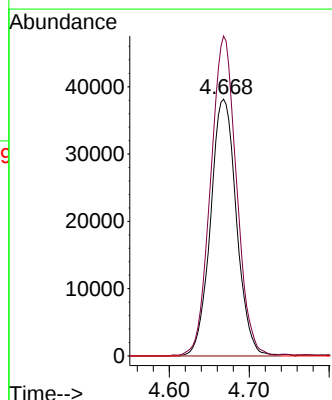
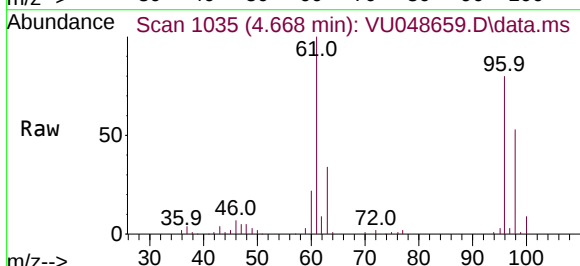
Tgt Ion: 96 Resp: 85736

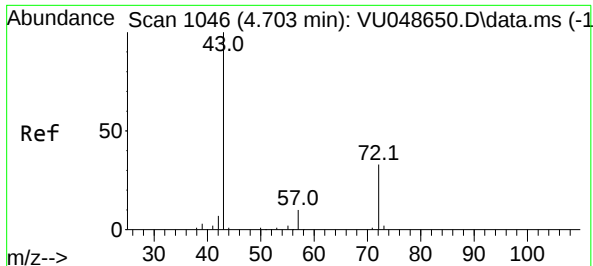
Ion Ratio Lower Upper

96 100

61 124.6 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 85.855 ug/L

RT: 4.700 min Scan# 113942

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

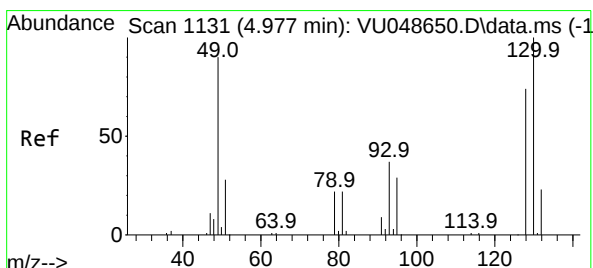
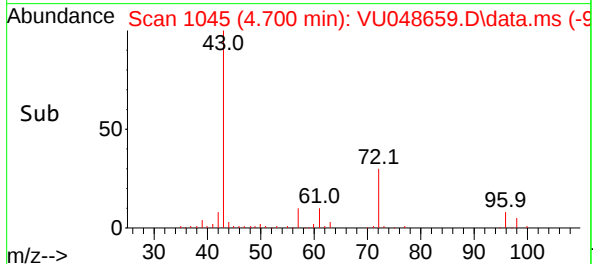
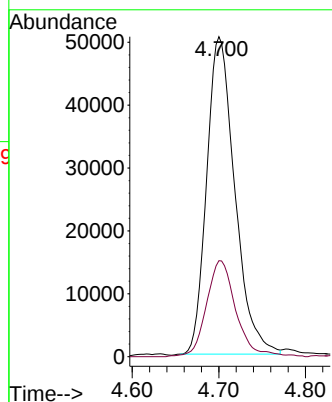
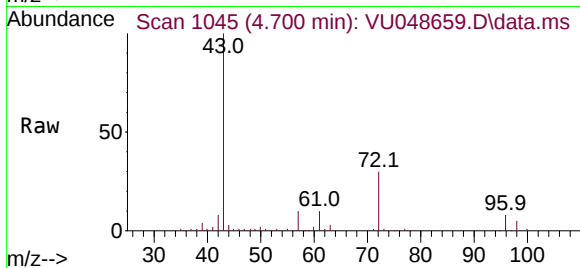
VSTD050139

Tgt Ion: 43 Resp: 113942

Ion Ratio Lower Upper

43 100

72 30.7 15.4 46.2



#23

Bromochloromethane

Concen: 50.868 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Tgt Ion:128 Resp: 49307

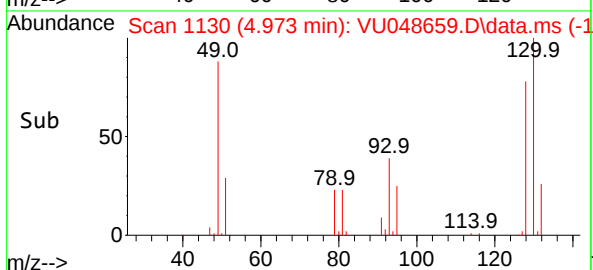
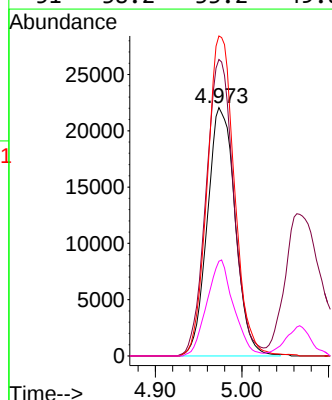
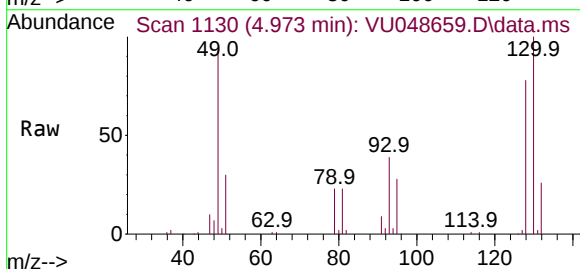
Ion Ratio Lower Upper

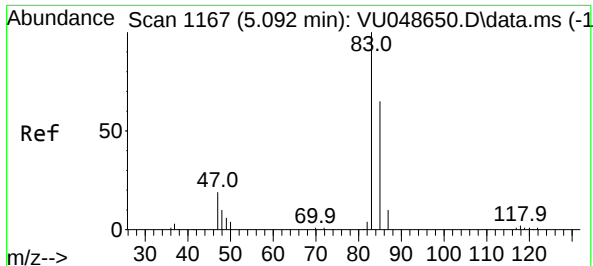
128 100

49 119.4 91.9 170.7

130 128.9 88.4 164.2

51 38.2 33.2 49.8





#25

Chloroform

Concen: 50.170 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

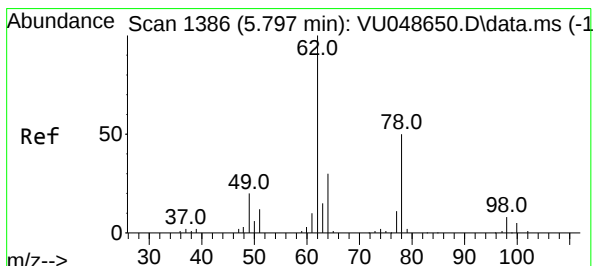
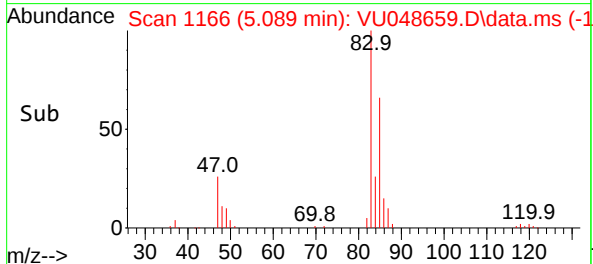
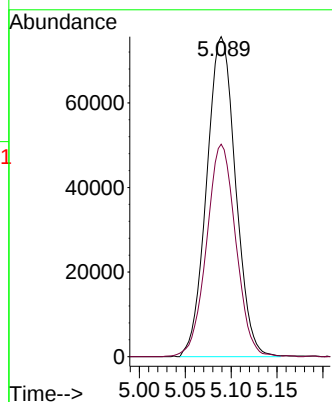
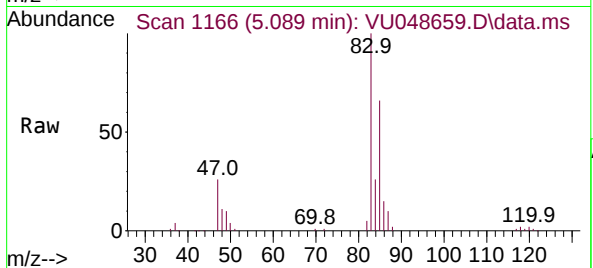
VSTD050139

Tgt Ion: 83 Resp: 166065

Ion Ratio Lower Upper

83 100

85 66.4 45.1 83.7



#27

1,2-Dichloroethane

Concen: 50.737 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU048659.D

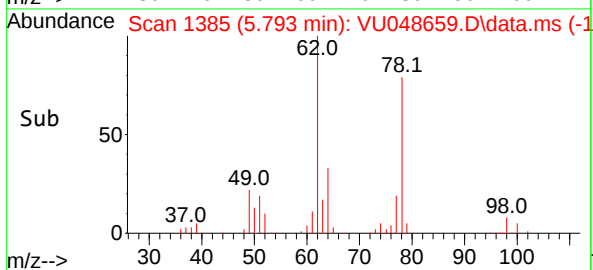
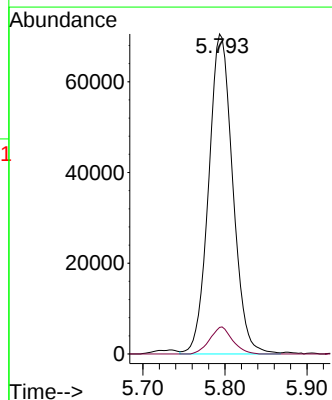
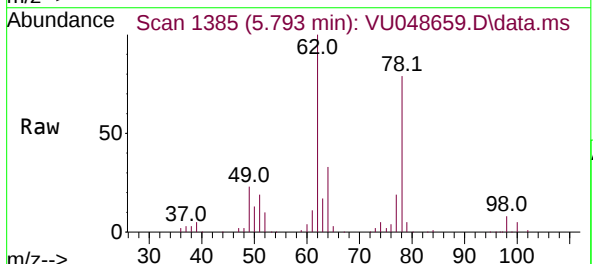
Acq: 23 May 2022 18:32

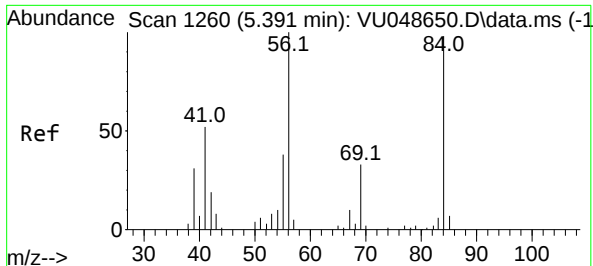
Tgt Ion: 62 Resp: 144065

Ion Ratio Lower Upper

62 100

98 8.3 6.0 9.0





#29

Cyclohexane

Concen: 46.035 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD050139

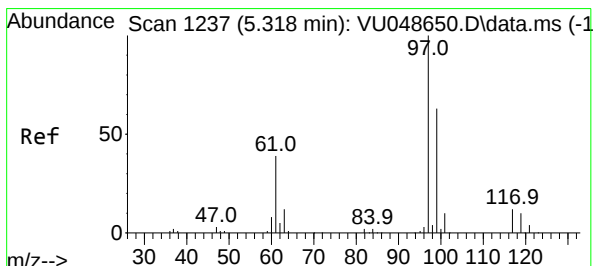
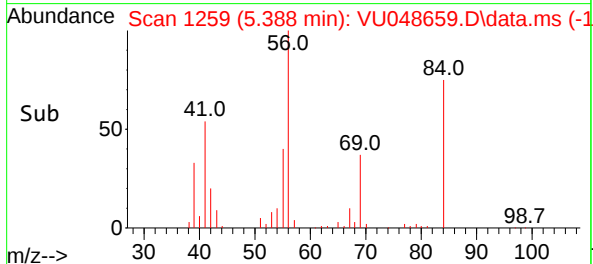
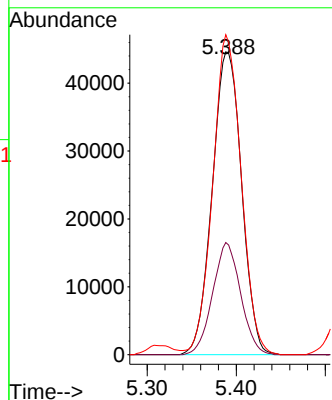
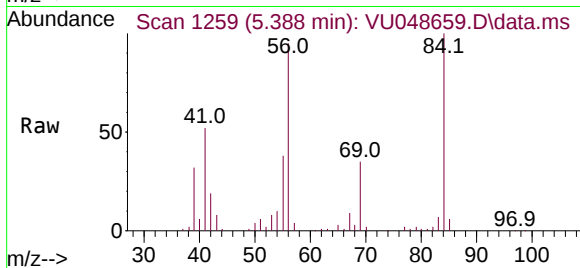
Tgt Ion: 56 Resp: 102197

Ion Ratio Lower Upper

56 100

69 35.3 26.5 39.7

84 102.1 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 50.688 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

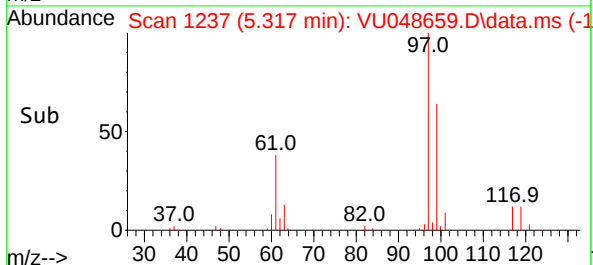
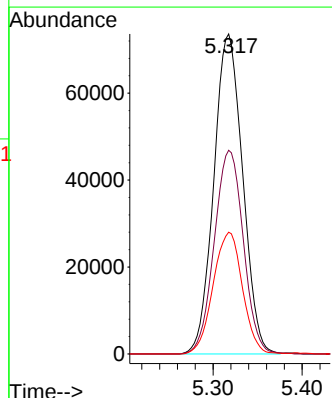
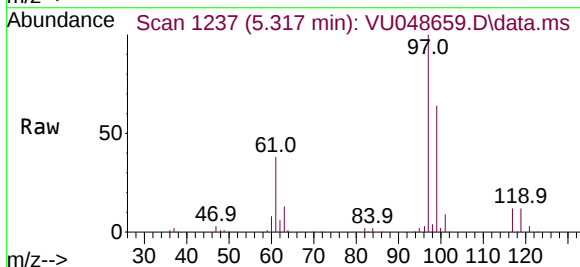
Tgt Ion: 97 Resp: 165882

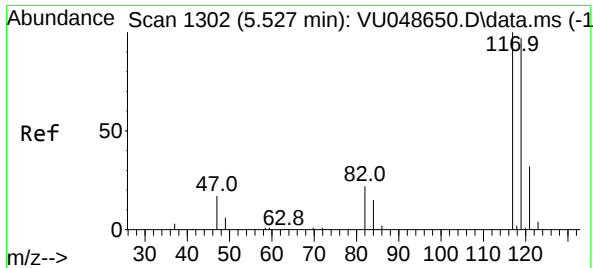
Ion Ratio Lower Upper

97 100

99 64.2 50.3 75.5

61 38.6 32.6 48.8

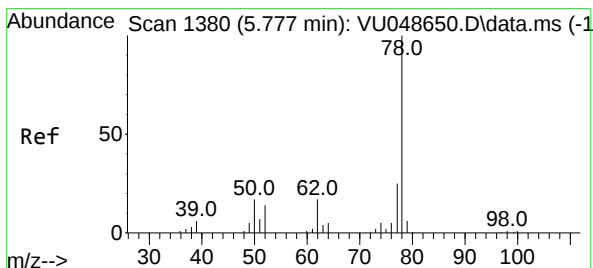
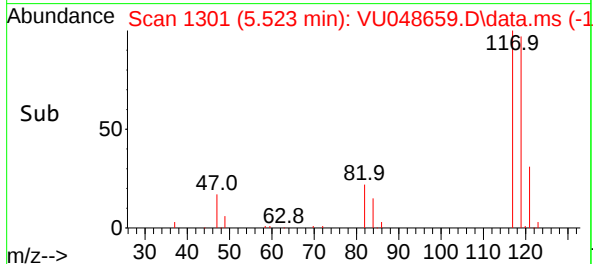
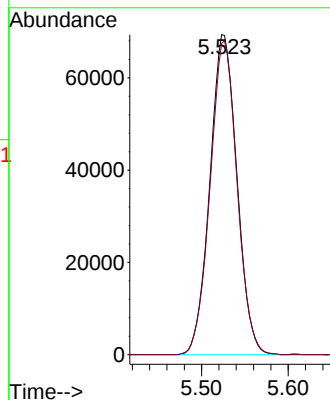
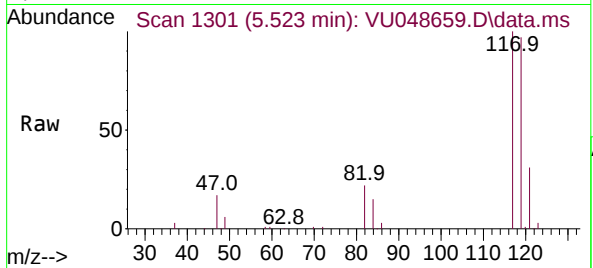




#31
Carbon tetrachloride
Concen: 50.507 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

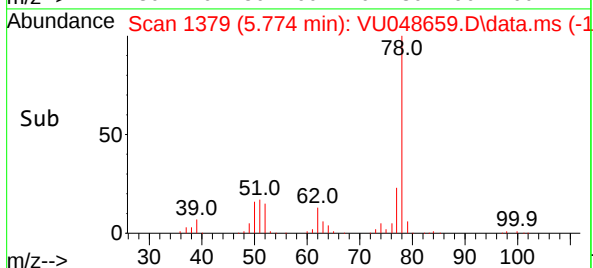
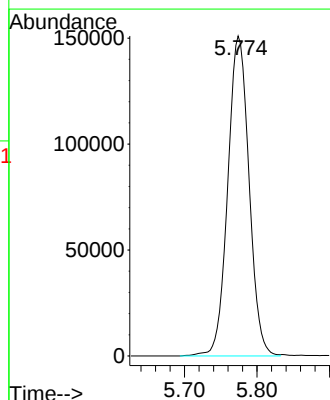
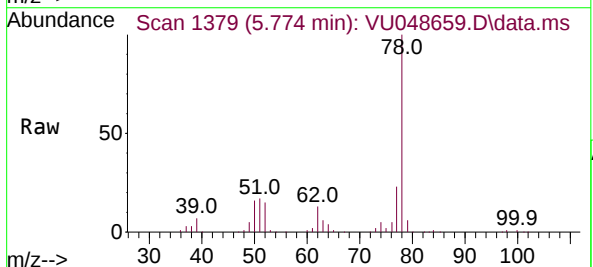
Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

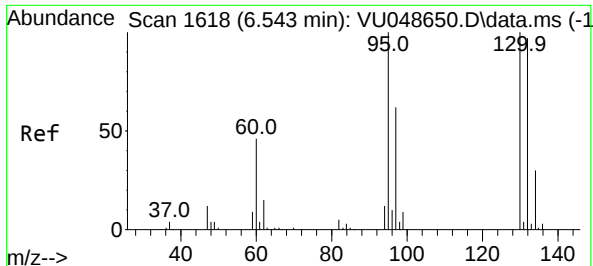
Tgt Ion:117 Resp: 150638
Ion Ratio Lower Upper
117 100
119 97.4 76.0 114.0



#33
Benzene
Concen: 48.713 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion: 78 Resp: 307598

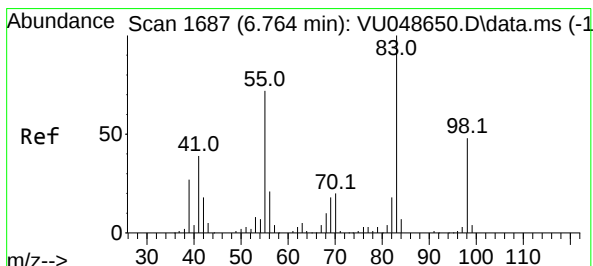
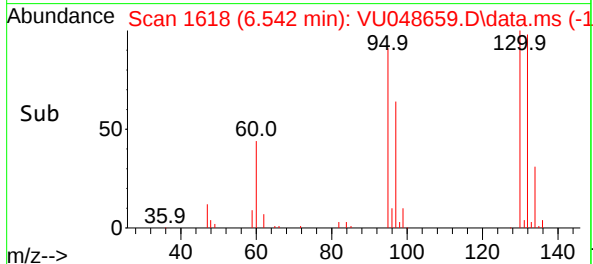
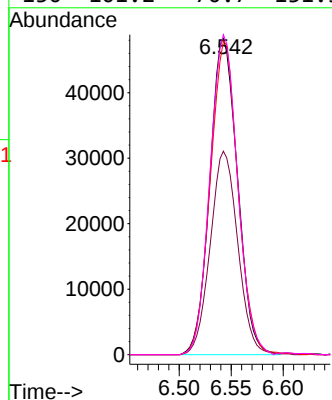
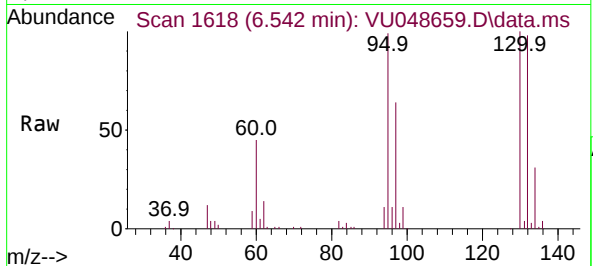




#34
Trichloroethene
Concen: 50.157 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

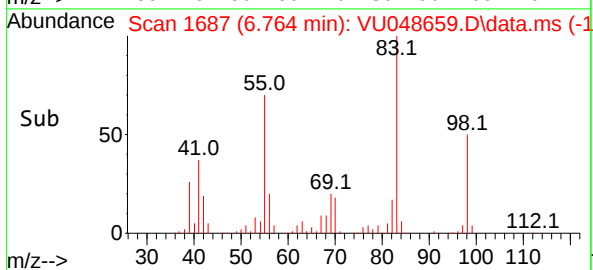
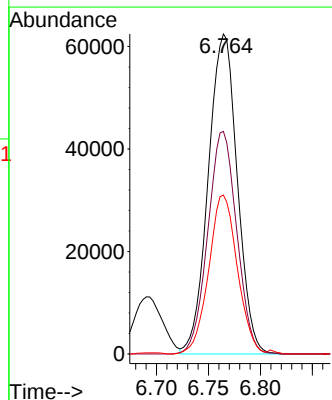
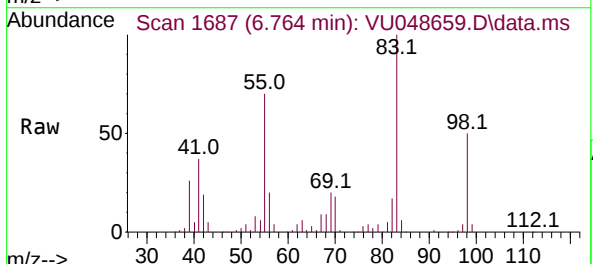
Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

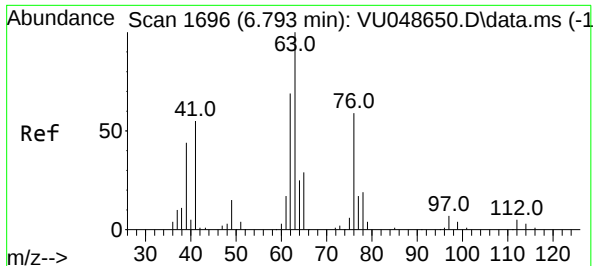
Tgt Ion: 95 Resp: 89607
Ion Ratio Lower Upper
95 100
97 64.3 45.2 84.0
132 99.1 67.3 124.9
130 101.2 70.7 131.3



#35
Methylcyclohexane
Concen: 47.408 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion: 83 Resp: 121540
Ion Ratio Lower Upper
83 100
55 69.2 56.2 84.4
98 49.0 38.2 57.2





#37

1,2-Dichloropropane

Concen: 47.546 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

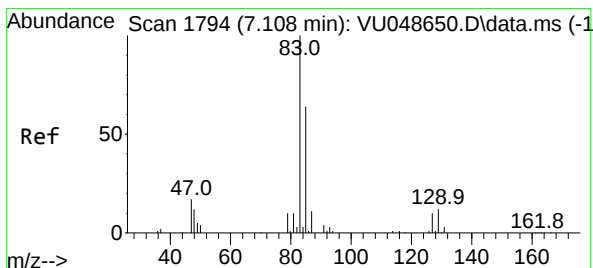
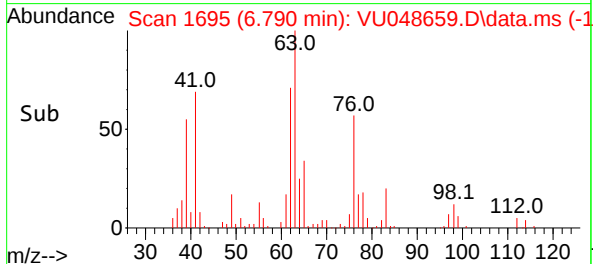
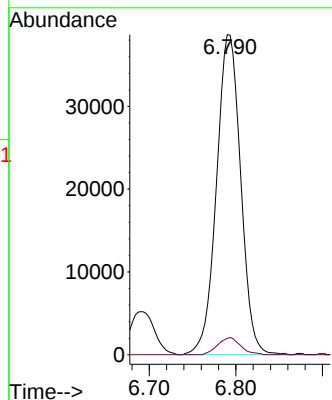
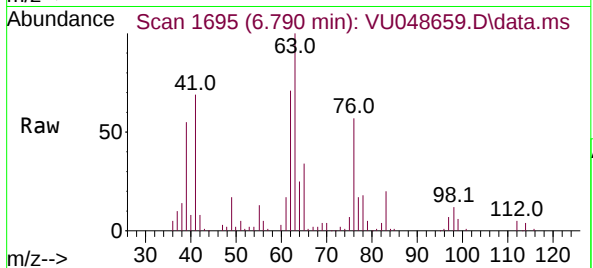
VSTD050139

Tgt Ion: 63 Resp: 75072

Ion Ratio Lower Upper

63 100

112 5.0 3.7 5.5



#38

Bromodichloromethane

Concen: 50.769 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

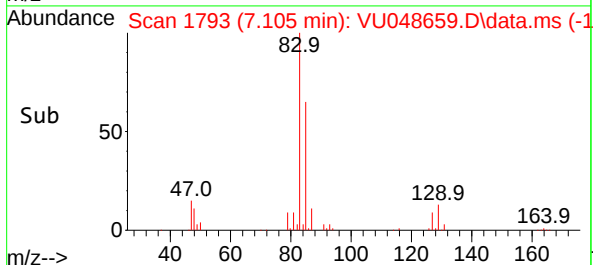
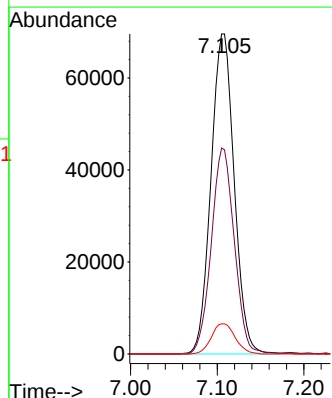
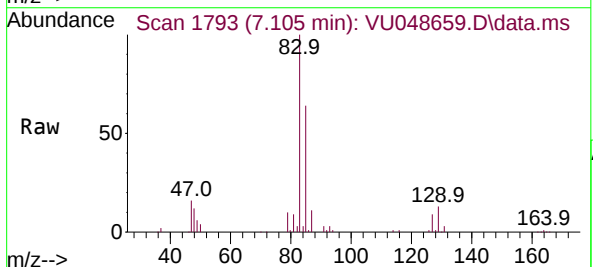
Tgt Ion: 83 Resp: 129694

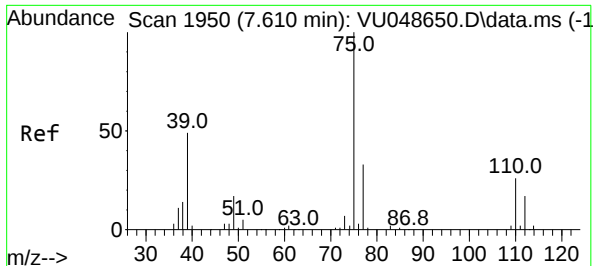
Ion Ratio Lower Upper

83 100

85 64.4 46.1 85.5

127 9.4 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 48.365 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

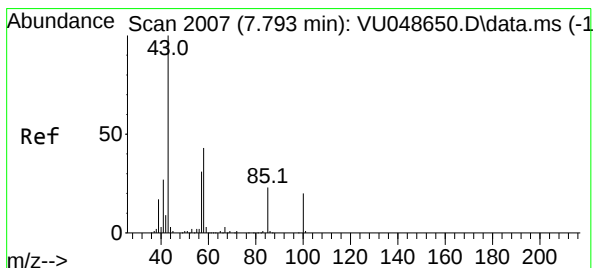
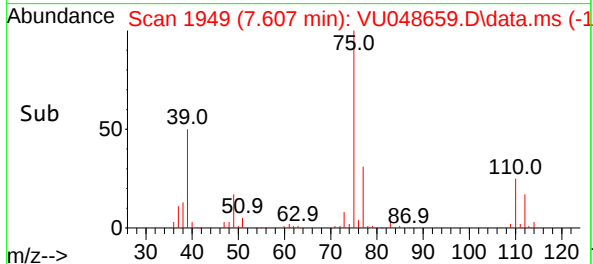
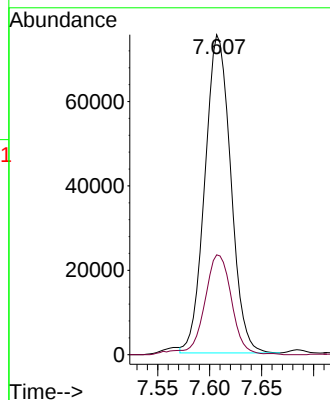
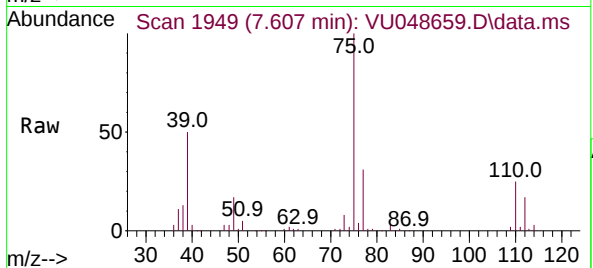
VSTD050139

Tgt Ion: 75 Resp: 130380

Ion Ratio Lower Upper

75 100

77 31.2 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 92.285 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

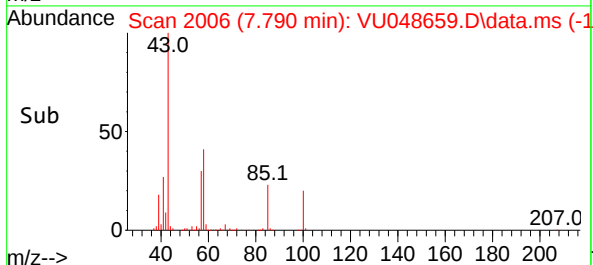
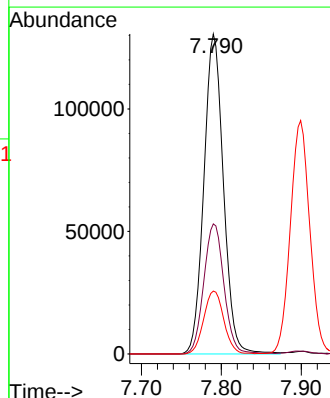
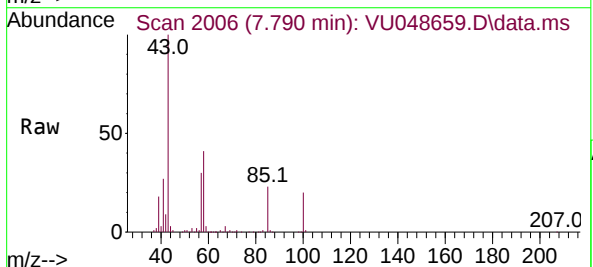
Tgt Ion: 43 Resp: 222361

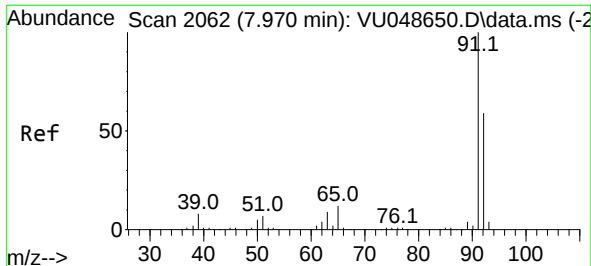
Ion Ratio Lower Upper

43 100

58 42.0 34.3 51.5

100 20.1 14.7 22.1





#42

Toluene

Concen: 49.940 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

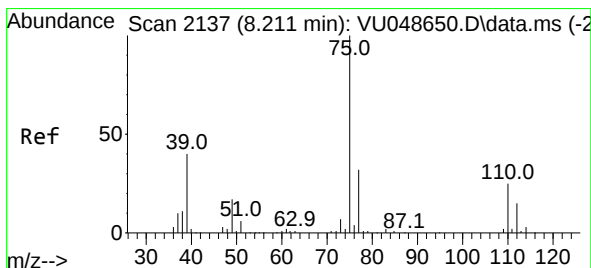
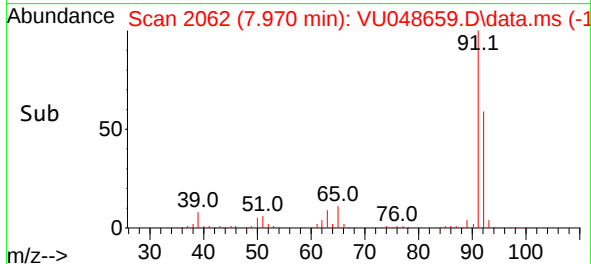
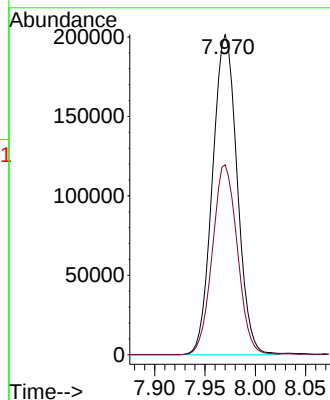
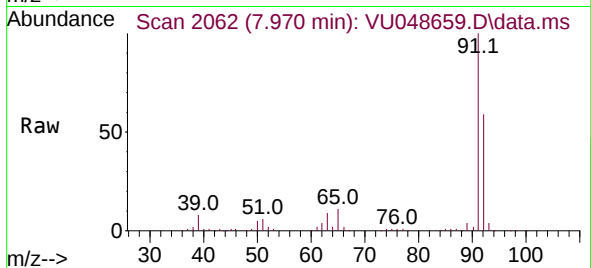
VSTD050139

Tgt Ion: 91 Resp: 343716

Ion Ratio Lower Upper

91 100

92 59.4 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 50.689 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048659.D

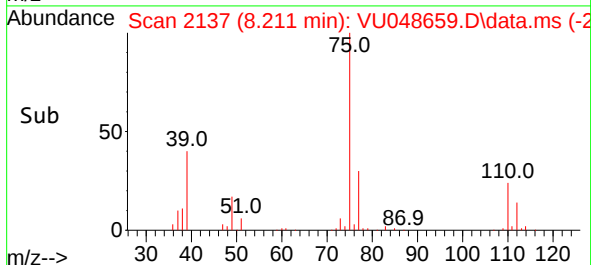
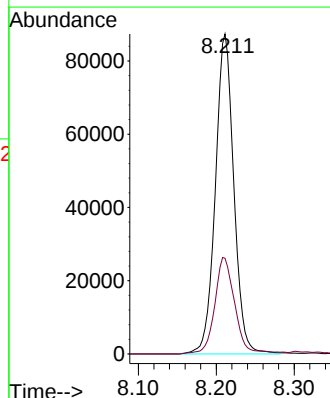
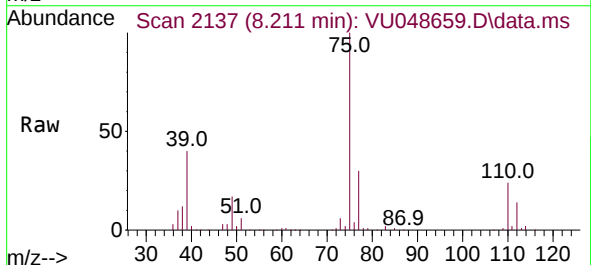
Acq: 23 May 2022 18:32

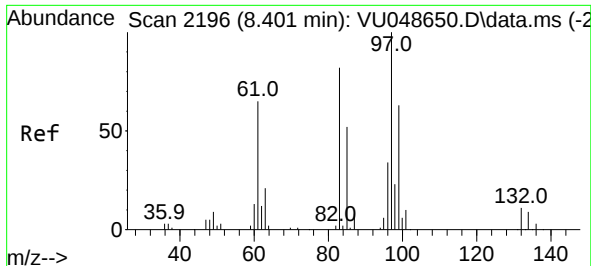
Tgt Ion: 75 Resp: 144104

Ion Ratio Lower Upper

75 100

77 29.9 22.7 42.1

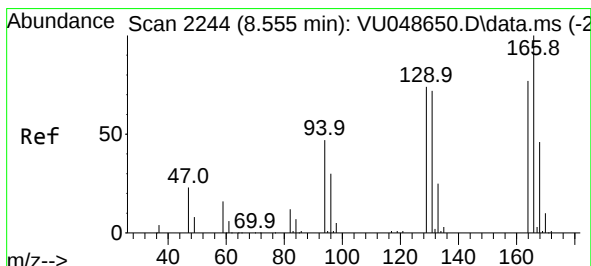
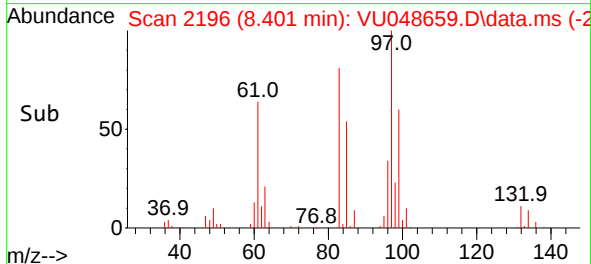
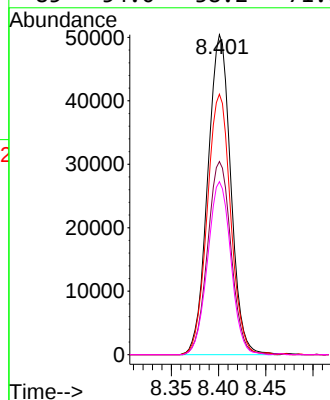
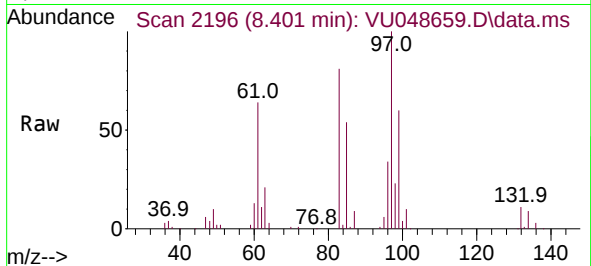




#45
1,1,2-Trichloroethane
Concen: 50.532 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

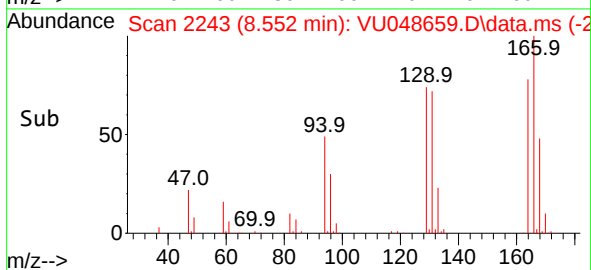
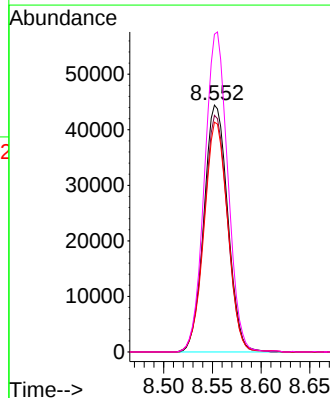
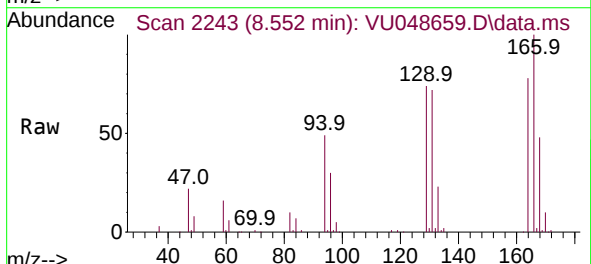
Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

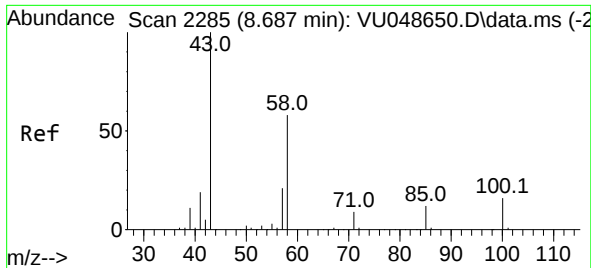
Tgt Ion: 97	Resp: 85442
Ion Ratio	Lower Upper
97 100	
99 60.3	42.2 78.4
83 81.4	58.4 108.6
85 54.0	38.2 71.0



#46
Tetrachloroethene
Concen: 51.986 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt	Ion:164	Resp:	75786
Ion	Ratio	Lower	Upper
164	100		
129	95.9	64.3	119.3
131	93.1	64.5	119.7
166	128.7	87.5	162.5



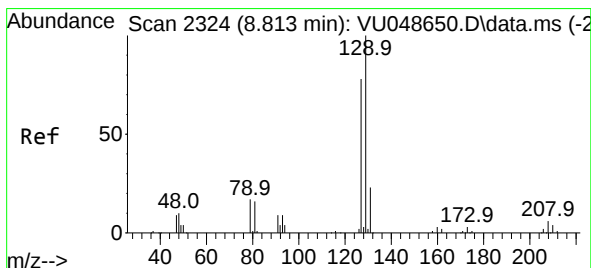
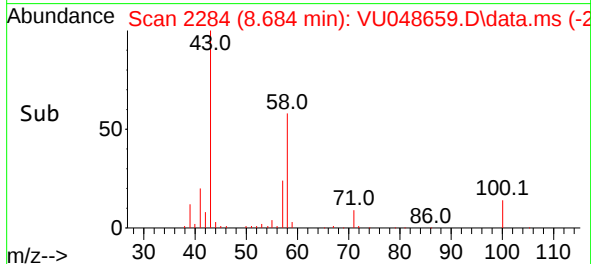
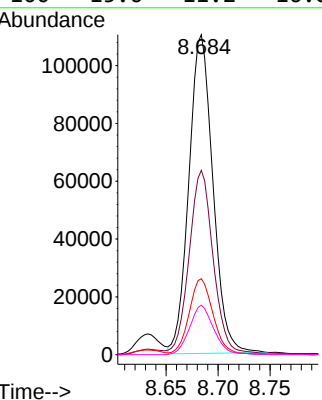
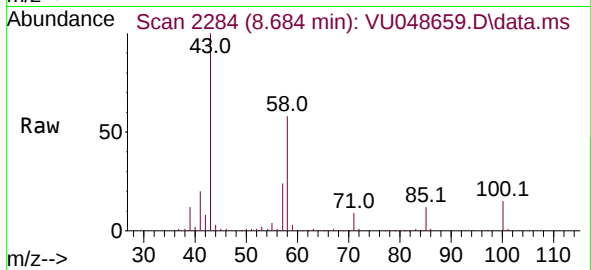


#48
2-Hexanone
Concen: 85.981 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

Tgt Ion: 43 Resp: 177505

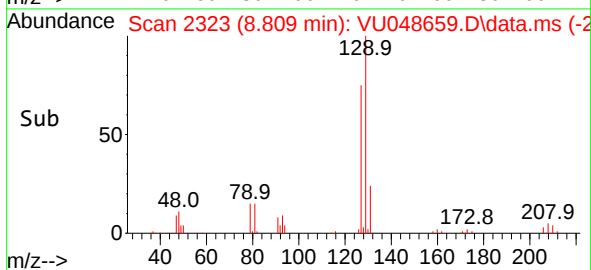
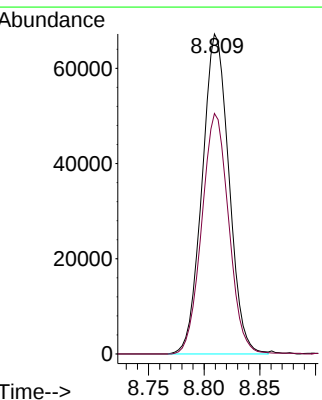
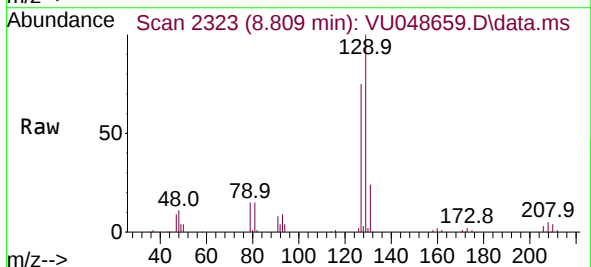
Ion	Ratio	Lower	Upper
43	100		
58	57.7	45.8	68.6
57	23.7	16.8	25.2
100	15.6	11.2	16.8

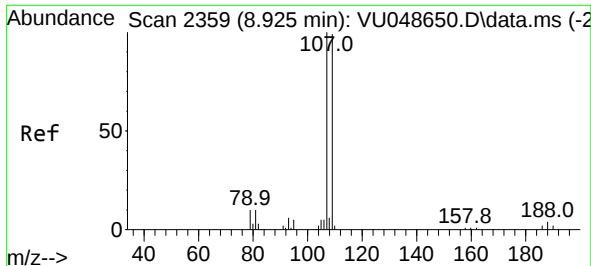


#49
Dibromochloromethane
Concen: 51.775 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion: 129 Resp: 112551

Ion	Ratio	Lower	Upper
129	100		
127	75.1	53.1	98.5





#50

1,2-Dibromoethane

Concen: 49.673 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD050139

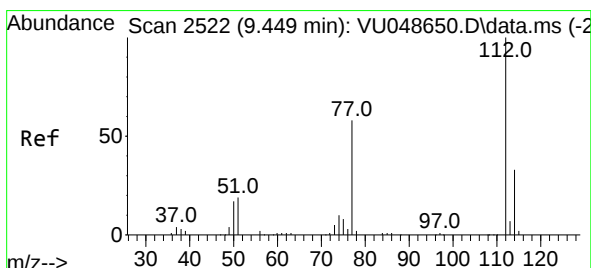
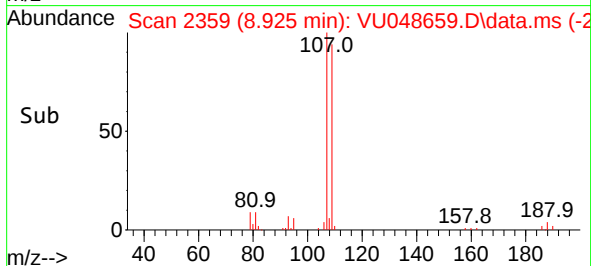
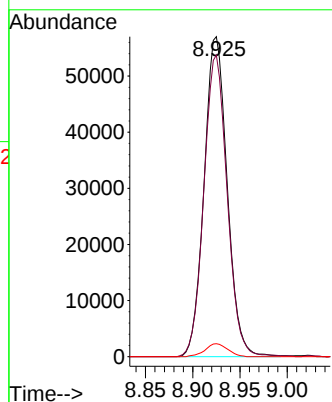
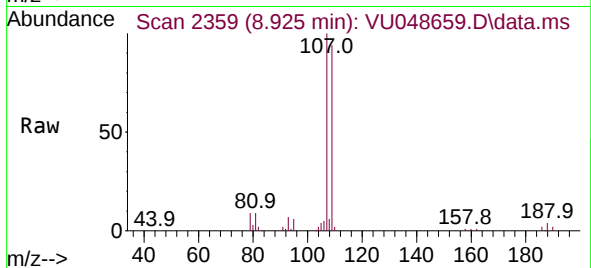
Tgt Ion:107 Resp: 96932

Ion Ratio Lower Upper

107 100

109 94.3 67.5 125.3

188 4.0 3.4 5.2



#51

Chlorobenzene

Concen: 49.588 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

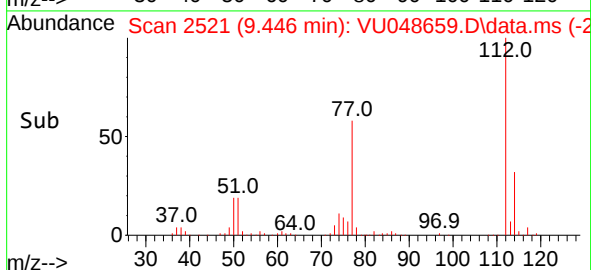
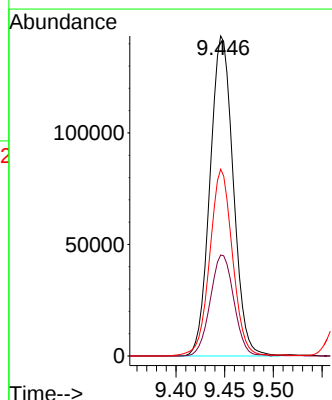
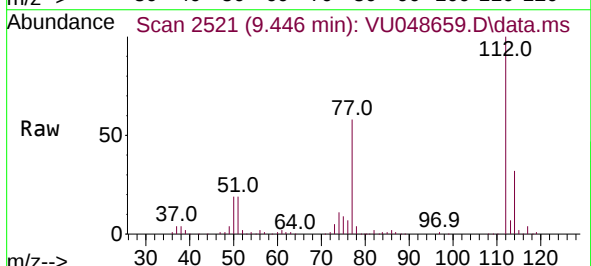
Tgt Ion:112 Resp: 238032

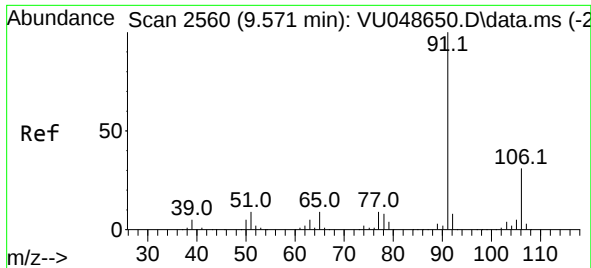
Ion Ratio Lower Upper

112 100

114 31.6 22.3 41.5

77 58.3 46.5 69.7

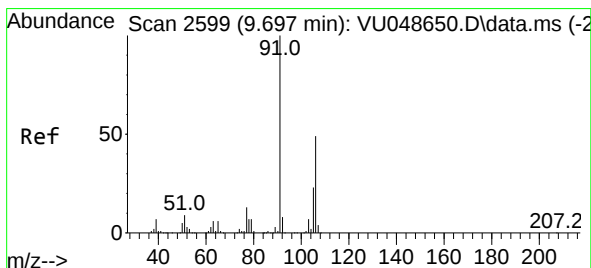
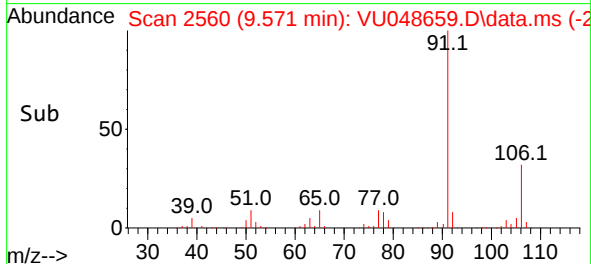
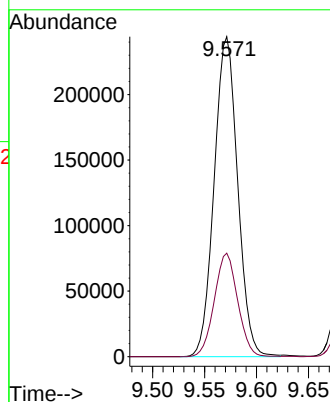
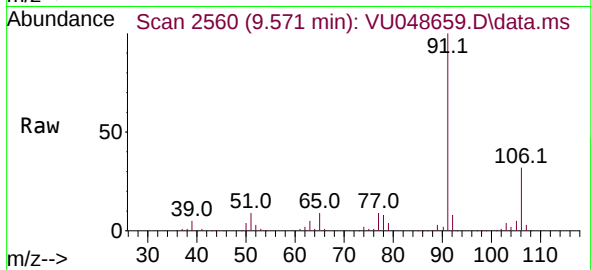




#52
Ethylbenzene
Concen: 48.851 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

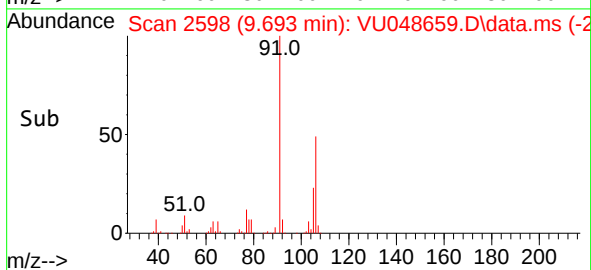
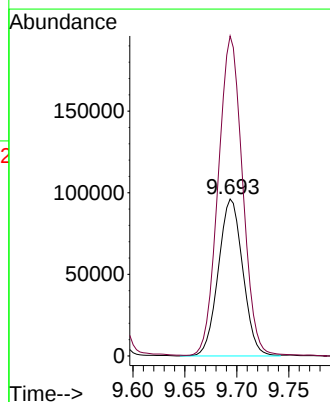
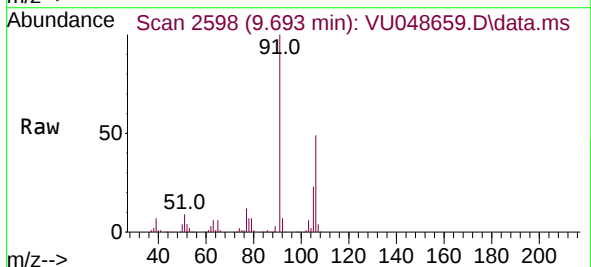
Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

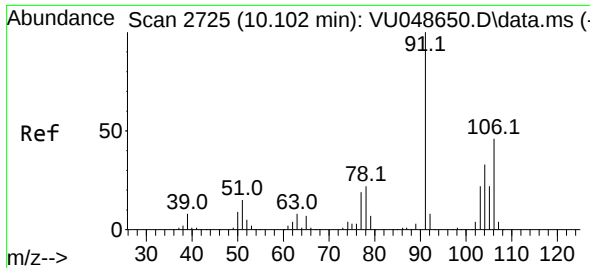
Tgt Ion: 91 Resp: 384226
Ion Ratio Lower Upper
91 100
106 32.4 21.8 40.6



#53
m,p-Xylene
Concen: 49.876 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion: 106 Resp: 157650
Ion Ratio Lower Upper
106 100
91 203.8 141.8 263.4

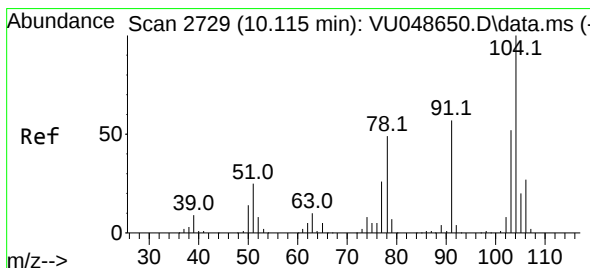
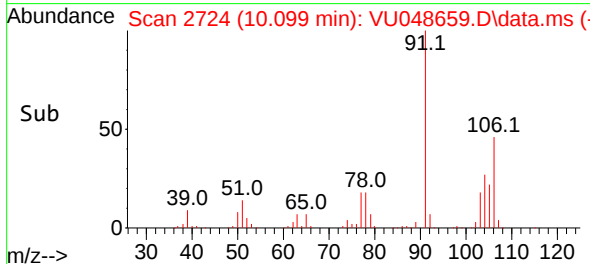
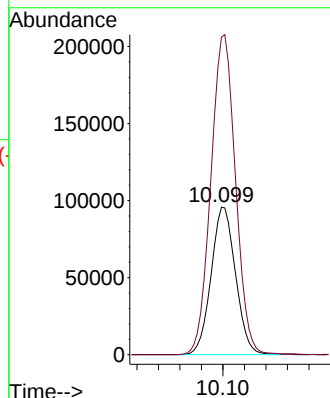
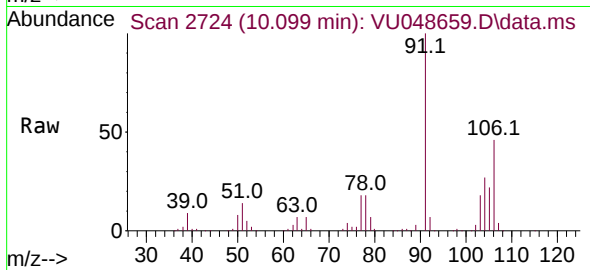




#54
o-Xylene
Concen: 49.864 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

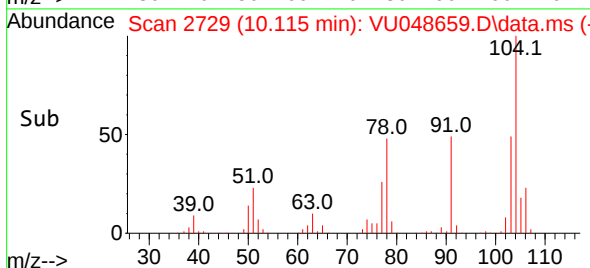
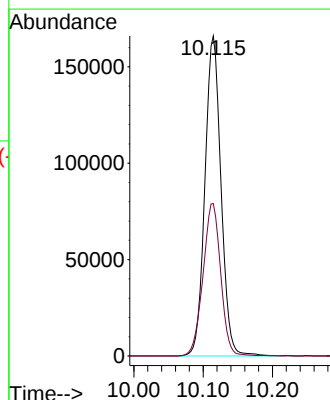
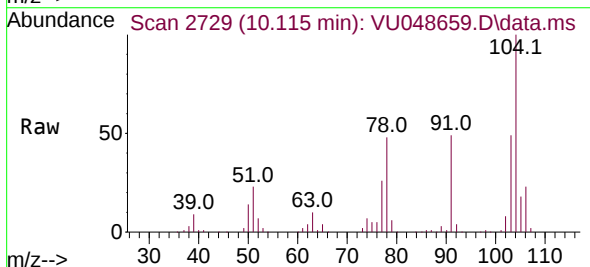
Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

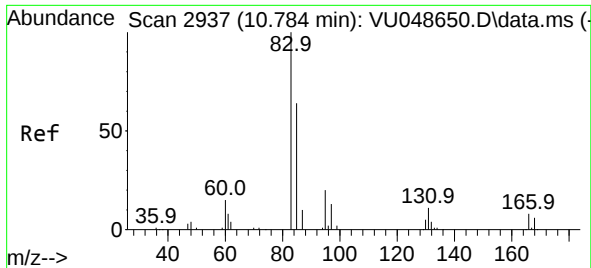
Tgt Ion:106 Resp: 150994
Ion Ratio Lower Upper
106 100
91 215.3 150.1 278.9



#55
Styrene
Concen: 50.848 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion:104 Resp: 267712
Ion Ratio Lower Upper
104 100
78 47.6 32.7 60.7

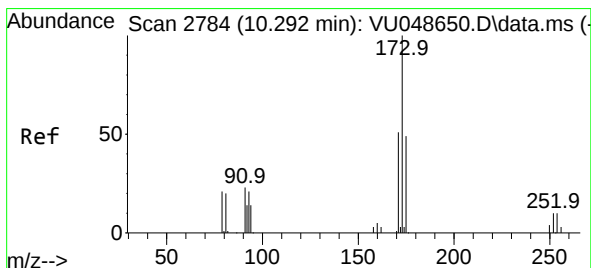
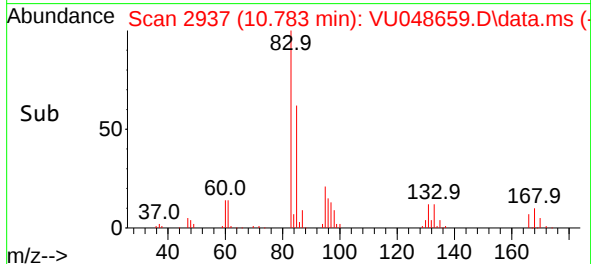
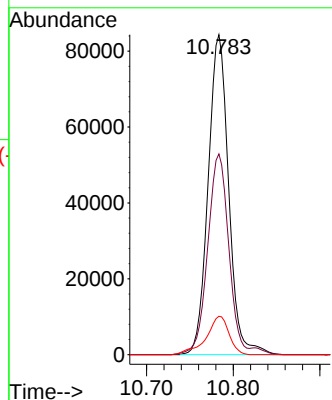
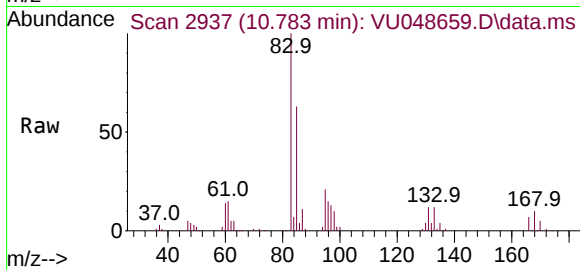




#57
 1,1,2,2-Tetrachloroethane
 Concen: 47.463 ug/L
 RT: 10.783 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VU048659.D
 Acq: 23 May 2022 18:32

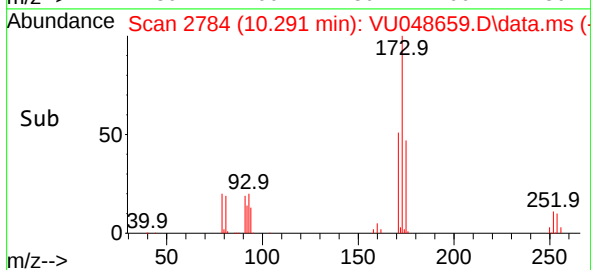
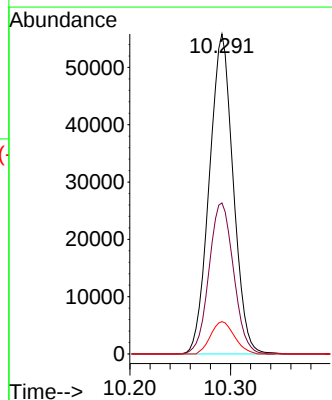
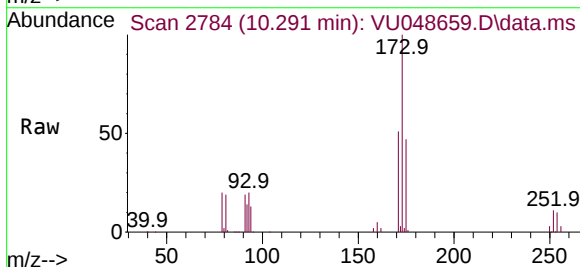
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050139

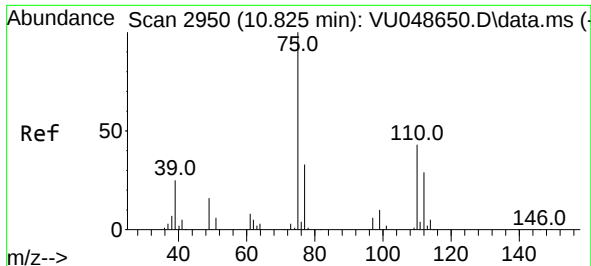
Tgt Ion: 83 Resp: 138698
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.1 81.9
 131 12.0 8.9 13.3



#59
 Bromoform
 Concen: 50.860 ug/L
 RT: 10.291 min Scan# 2784
 Delta R.T. -0.000 min
 Lab File: VU048659.D
 Acq: 23 May 2022 18:32

Tgt Ion:173 Resp: 91997
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.2 57.4
 254 10.1 7.7 11.5

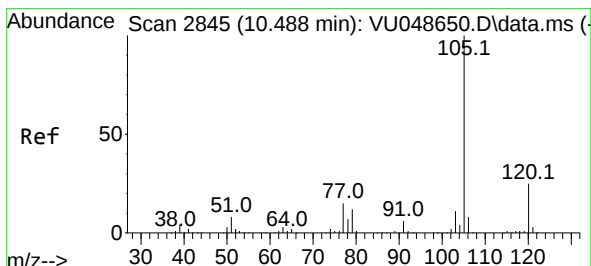
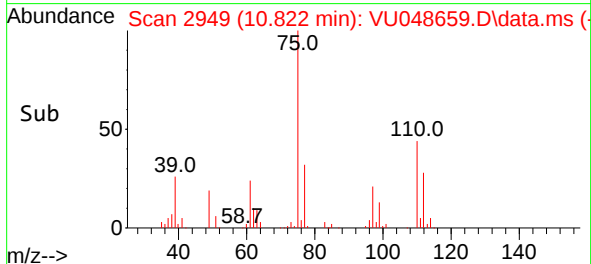
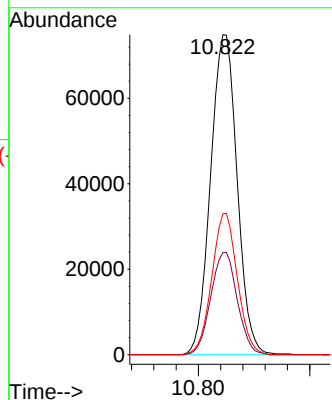
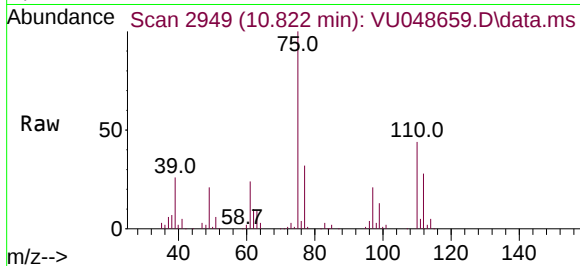




#60
1,2,3-Trichloropropane
Concen: 47.433 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

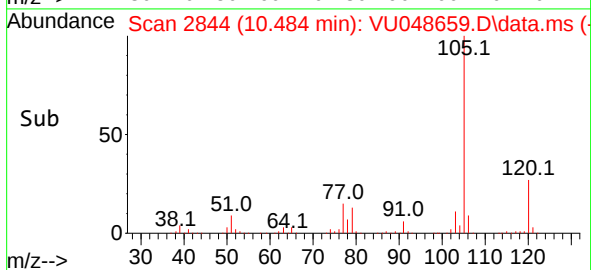
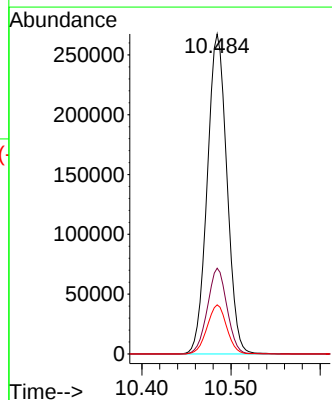
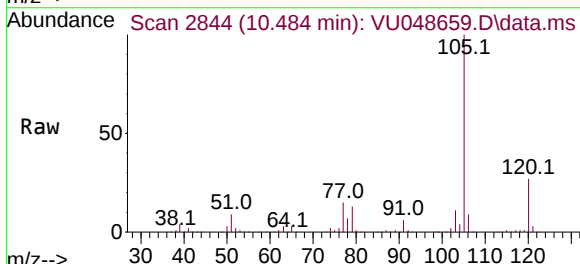
Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

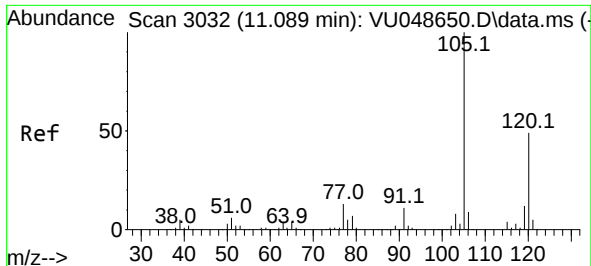
Tgt Ion: 75 Resp: 123787
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
110 42.6 32.1 48.1



#61
Isopropylbenzene
Concen: 50.517 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion: 105 Resp: 409389
Ion Ratio Lower Upper
105 100
120 26.8 21.0 31.6
77 15.3 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 50.650 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

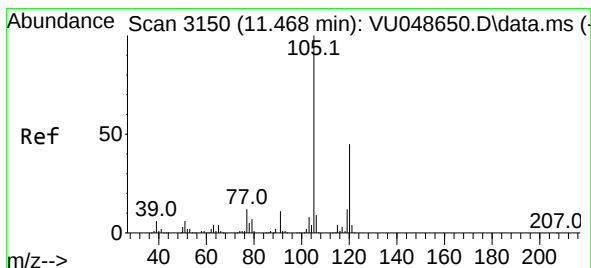
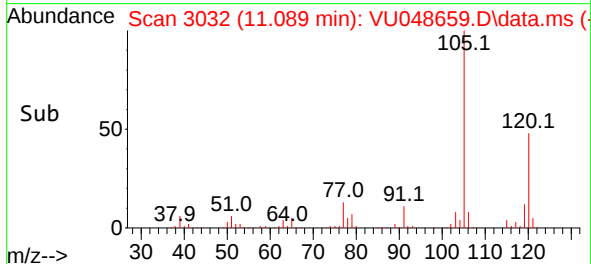
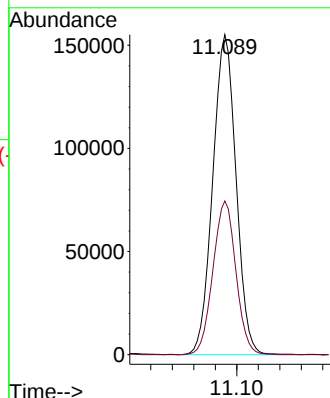
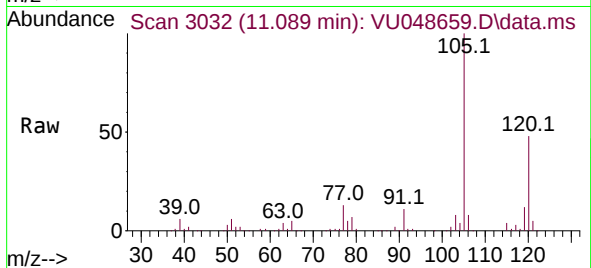
VSTD050139

Tgt Ion:105 Resp: 233359

Ion Ratio Lower Upper

105 100

120 47.4 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 51.246 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048659.D

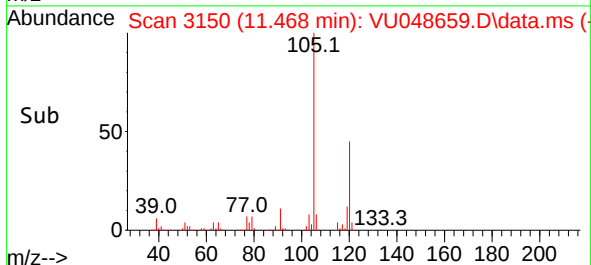
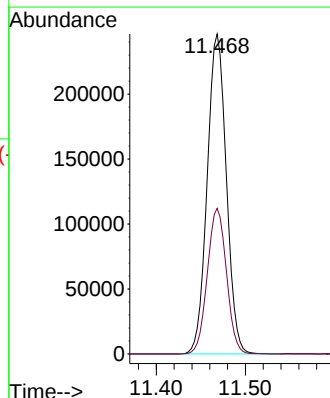
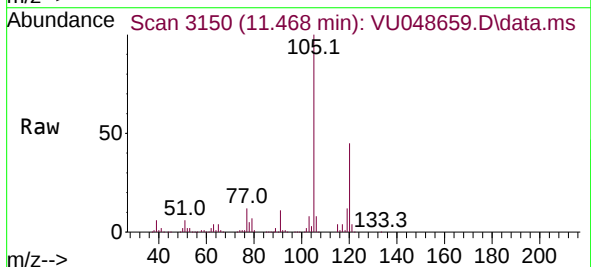
Acq: 23 May 2022 18:32

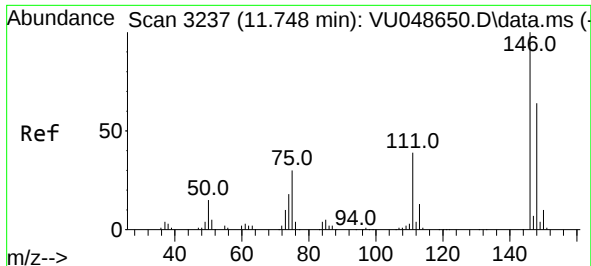
Tgt Ion:105 Resp: 367141

Ion Ratio Lower Upper

105 100

120 45.4 35.4 53.2

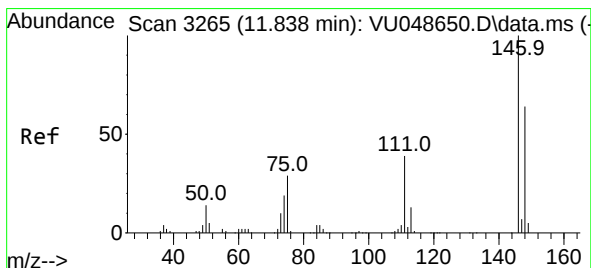
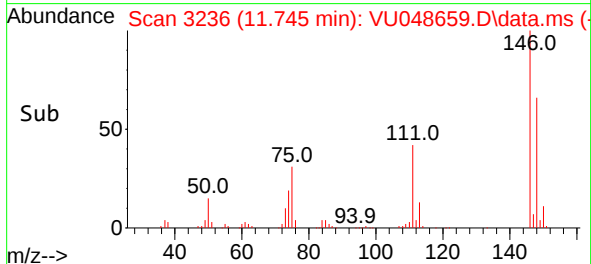
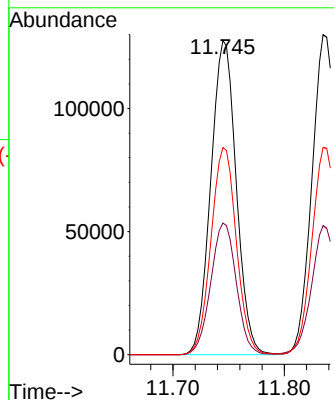
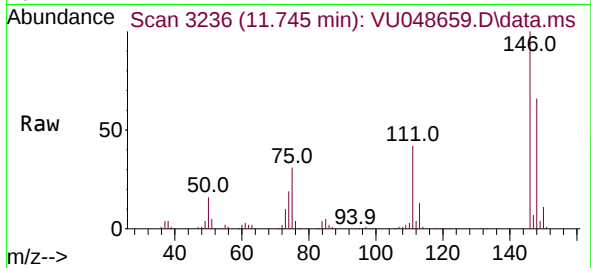




#64
 1,3-Dichlorobenzene
 Concen: 48.473 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU048659.D
 Acq: 23 May 2022 18:32

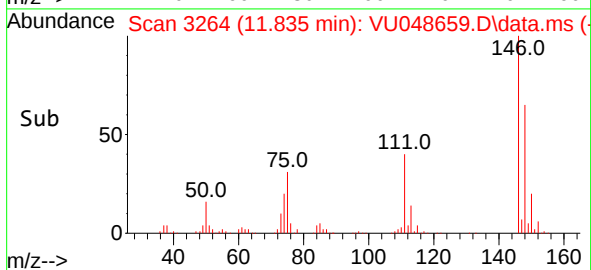
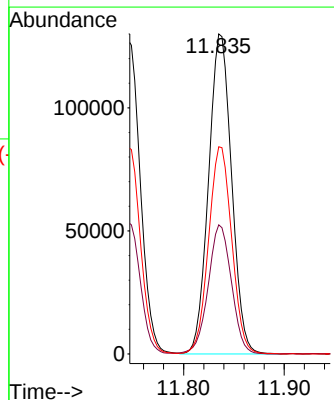
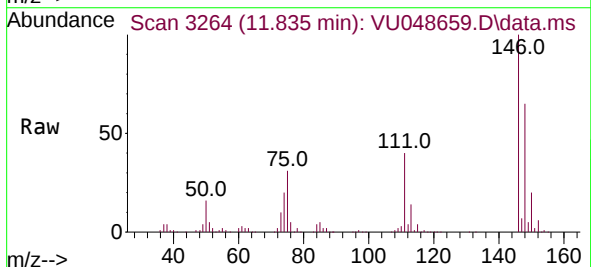
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050139

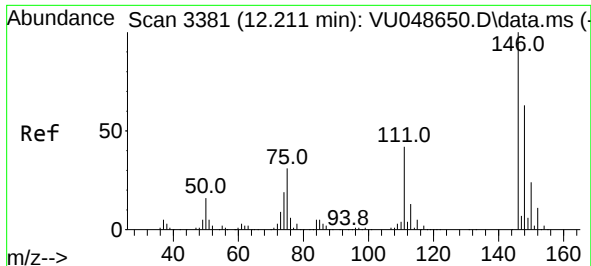
Tgt Ion:146 Resp: 202580
 Ion Ratio Lower Upper
 146 100
 111 41.9 28.7 53.3
 148 65.9 43.7 81.1



#65
 1,4-Dichlorobenzene
 Concen: 47.687 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.003 min
 Lab File: VU048659.D
 Acq: 23 May 2022 18:32

Tgt Ion:146 Resp: 206809
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.6 51.2
 148 64.8 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 48.719 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD050139

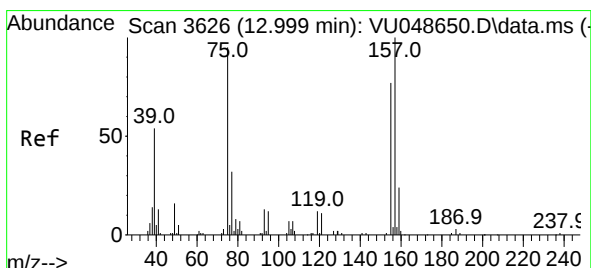
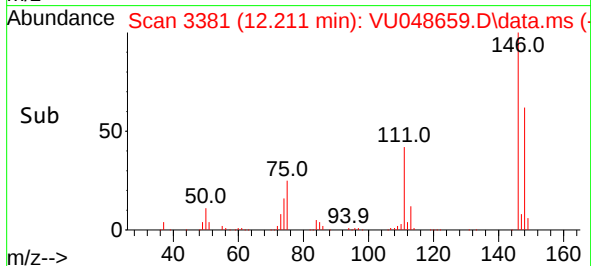
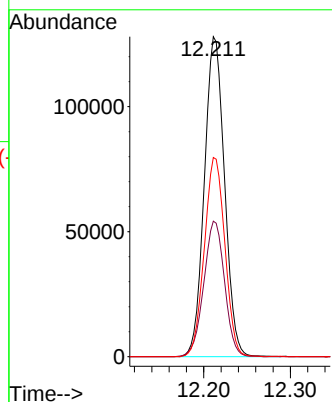
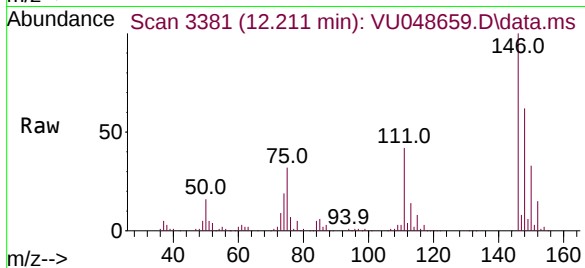
Tgt Ion:146 Resp: 207095

Ion Ratio Lower Upper

146 100

111 42.3 34.1 51.1

148 62.2 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 46.548 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU048659.D

Acq: 23 May 2022 18:32

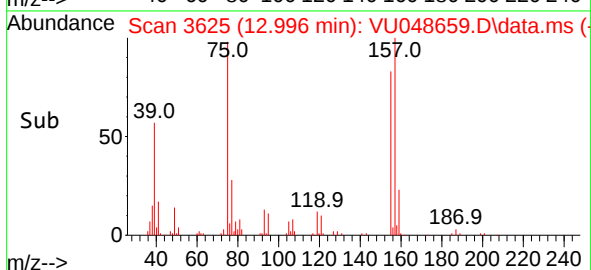
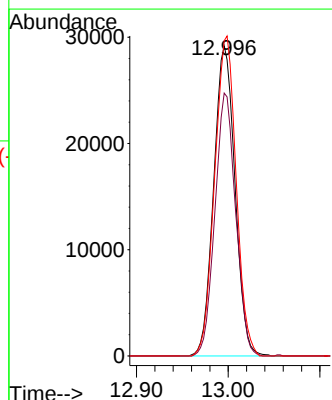
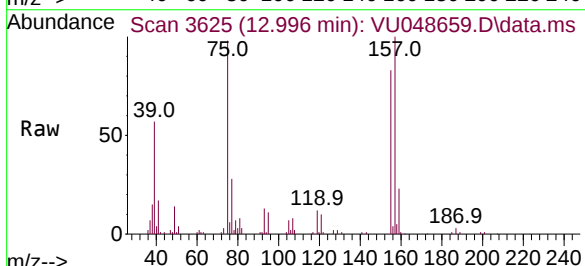
Tgt Ion: 75 Resp: 46968

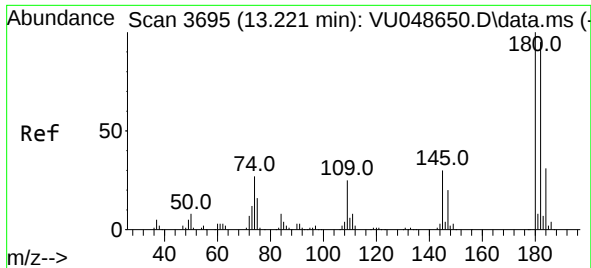
Ion Ratio Lower Upper

75 100

155 84.8 63.5 95.3

157 101.6 83.5 125.3

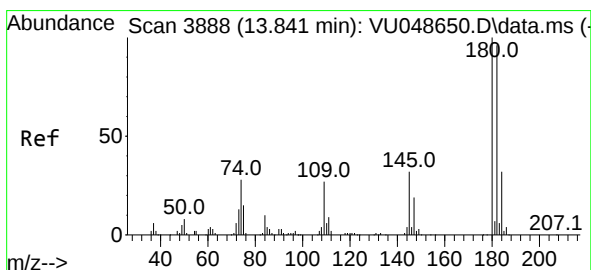
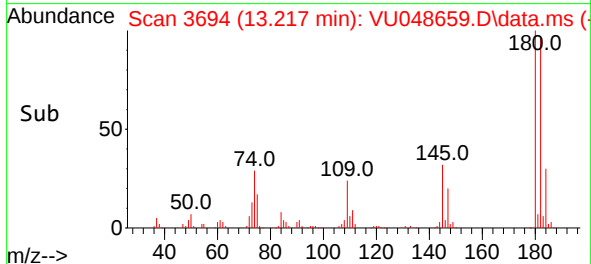
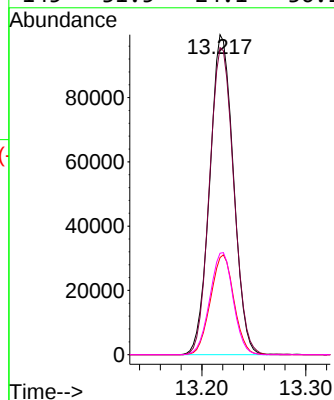
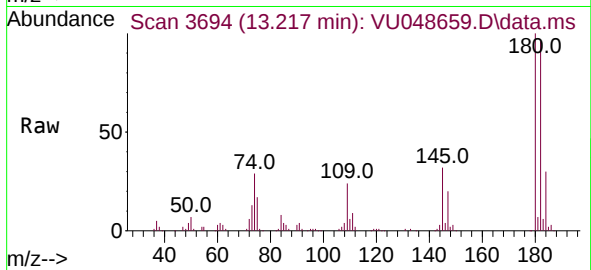




#69
1,3,5-Trichlorobenzene
Concen: 47.259 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

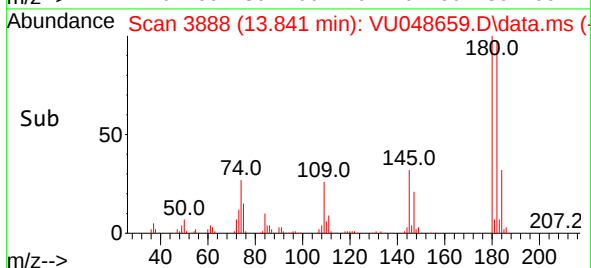
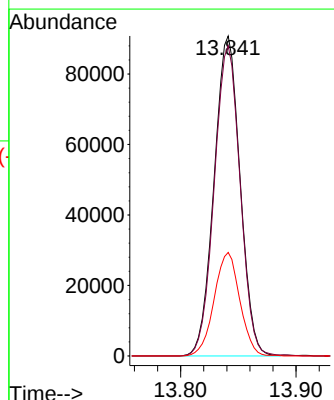
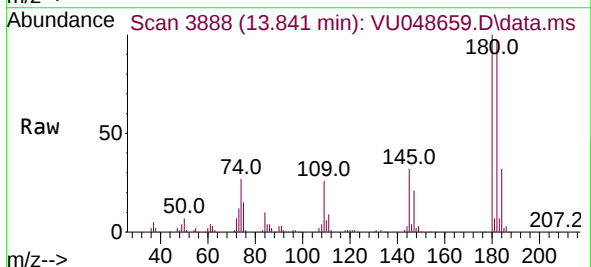
Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

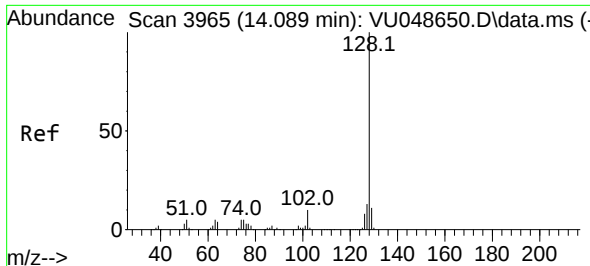
Tgt Ion:180 Resp: 157419
Ion Ratio Lower Upper
180 100
182 97.9 75.8 113.6
184 30.8 23.4 35.2
145 31.5 24.1 36.1



#70
1,2,4-trichlorobenzene
Concen: 47.123 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion:180 Resp: 141968
Ion Ratio Lower Upper
180 100
182 96.3 75.8 113.8
145 31.9 24.9 37.3

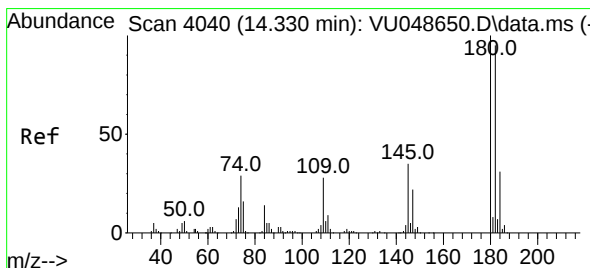
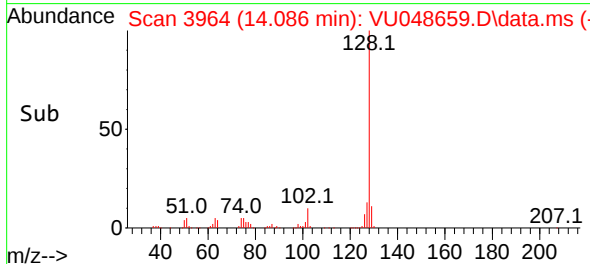
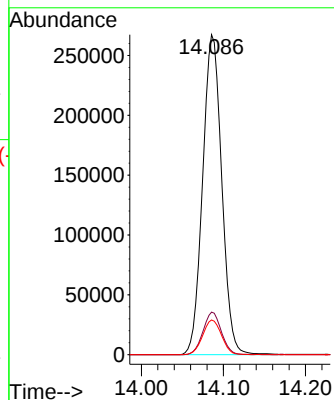
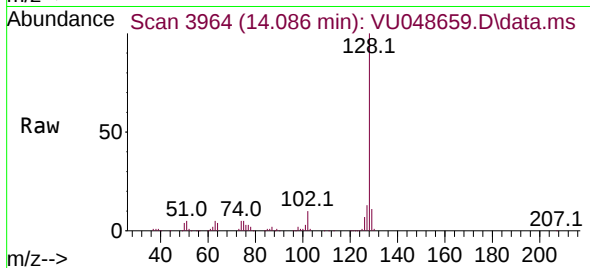




#71
Naphthalene
Concen: 43.523 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD050139

Tgt Ion:128 Resp: 432355
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 48.791 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048659.D
Acq: 23 May 2022 18:32

Tgt Ion:180 Resp: 147584
Ion Ratio Lower Upper
180 100
182 93.9 75.6 113.4
145 33.3 27.1 40.7

