

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U090622\
 Data File : U050652.D
 Acq On : 06 Sep 2022 22:28
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050191

Quant Time: Sep 07 01:44:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 07 01:37:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	178999	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	182725	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	85613	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	33795	22.074	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	44.140%#
7) Chloroethane-d5	1.900	69	32122	31.026	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	62.060%#
11) 1,1-Dichloroethene-d2	2.565	63	82764	30.591	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.180%
21) 2-Butanone-d5	4.626	46	122105	109.010	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.010%
24) Chloroform-d	5.060	84	132138	45.539	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.080%
26) 1,2-Dichloroethane-d4	5.700	65	88219	49.753	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.500%
32) Benzene-d6	5.726	84	231717	38.373	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.740%
36) 1,2-Dichloropropane-d6	6.690	67	84284	42.513	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.020%
41) Toluene-d8	7.896	98	200247	38.779	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.560%#
43) trans-1,3-Dichloroprop...	8.179	79	36745	44.795	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.580%
47) 2-Hexanone-d5	8.636	63	49291	98.842	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.840%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	149193	49.728	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.460%
66) 1,2-Dichlorobenzene-d4	12.192	152	83431	41.629	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	56617	32.930	ug/L	99
3) Chloromethane	1.517	50	65622	35.324	ug/L	98
5) Vinyl chloride	1.604	62	58427	33.382	ug/L	99
6) Bromomethane	1.845	94	41046	46.501	ug/L	95
8) Chloroethane	1.922	64	36780	39.564	ug/L	99
9) Trichlorofluoromethane	2.131	101	78346	36.740	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	44930	32.119	ug/L	98
12) 1,1-Dichloroethene	2.575	96	52512	38.635	ug/L	96
13) Acetone	2.629	43	98136	116.143	ug/L	98
14) Carbon disulfide	2.790	76	153057	37.975	ug/L	99
15) Methyl Acetate	2.948	43	96082	53.768	ug/L	99
16) Methylene chloride	3.041	84	86418	48.446	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	63674	44.178	ug/L	96
18) Methyl tert-butyl Ether	3.363	73	250933	56.152	ug/L	98
19) 1,1-Dichloroethane	3.867	63	130220	46.829	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	79709	49.015	ug/L	93
22) 2-Butanone	4.703	43	153225	115.942	ug/L	94
23) Bromochloromethane	4.973	128	46700	55.573	ug/L	91
25) Chloroform	5.086	83	148048	52.257	ug/L	99

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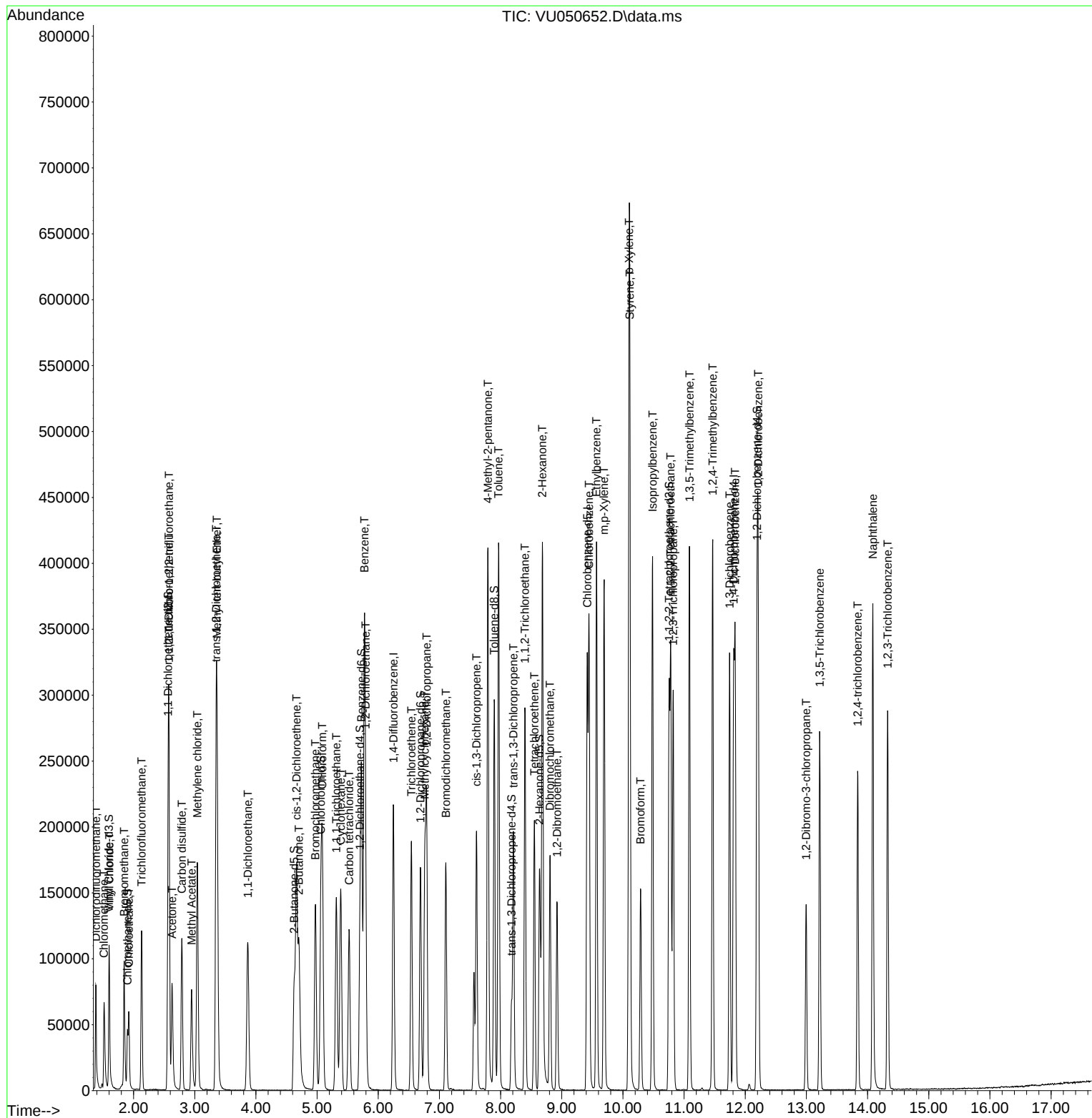
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	122039	58.120	ug/L	97
29) Cyclohexane	5.388	56	73316	29.960	ug/L	96
30) 1,1,1-Trichloroethane	5.314	97	110026	44.706	ug/L	98
31) Carbon tetrachloride	5.523	117	86187	42.743	ug/L	99
33) Benzene	5.774	78	313190	47.097	ug/L	100
34) Trichloroethene	6.542	95	67302	43.435	ug/L	98
35) Methylcyclohexane	6.761	83	69918	28.383	ug/L	97
37) 1,2-Dichloropropane	6.790	63	83623	47.607	ug/L	98
38) Bromodichloromethane	7.105	83	113693	55.024	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	122576	51.555	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	263190	109.953	ug/L	97
42) Toluene	7.967	91	311630	46.134	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	117206	52.541	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	91833	54.424	ug/L	98
46) Tetrachloroethene	8.552	164	45603	40.295	ug/L	98
48) 2-Hexanone	8.684	43	241280	108.008	ug/L	97
49) Dibromochloromethane	8.809	129	92614	57.545	ug/L	98
50) 1,2-Dibromoethane	8.922	107	96650	56.322	ug/L	97
51) Chlorobenzene	9.446	112	197486	47.107	ug/L	97
52) Ethylbenzene	9.568	91	292407	43.819	ug/L	99
53) m,p-Xylene	9.693	106	112943	44.178	ug/L	96
54) o-Xylene	10.099	106	120988	47.534	ug/L	98
55) Styrene	10.115	104	208622	49.815	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	162847	54.181	ug/L	99
59) Bromoform	10.288	173	70035	54.829	ug/L	96
60) 1,2,3-Trichloropropane	10.822	75	127753	50.858	ug/L	98
61) Isopropylbenzene	10.484	105	264239	38.992	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	229246	39.570	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	232976	41.877	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	133172	44.662	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	134853	45.754	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	149754	47.156	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	36167	54.521	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	87548	40.458	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	76367	41.561	ug/L	99
71) Naphthalene	14.086	128	306549	47.055	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	91924	46.198	ug/L	98

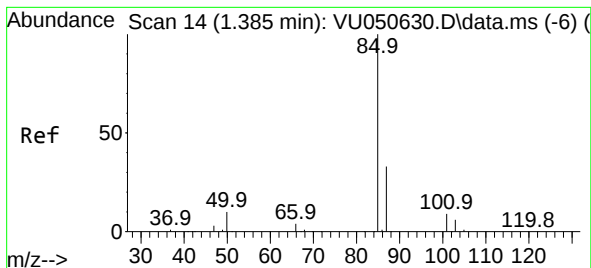
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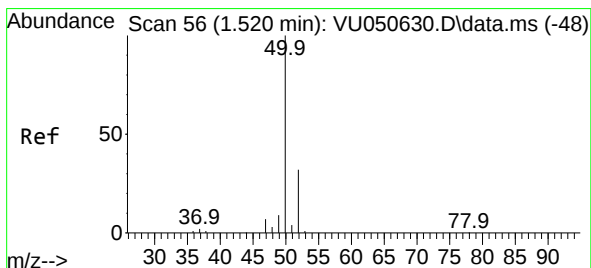
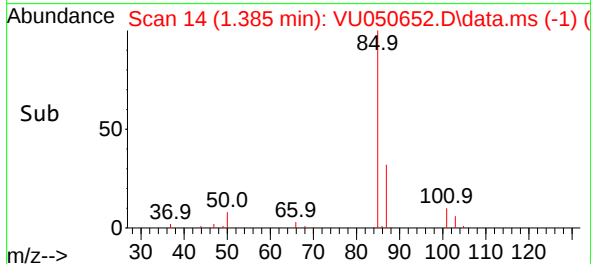
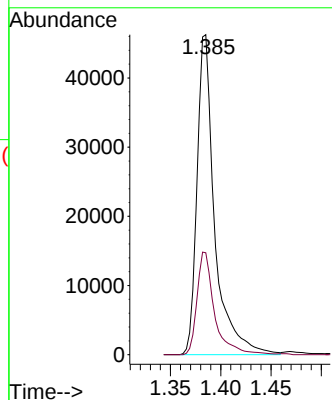
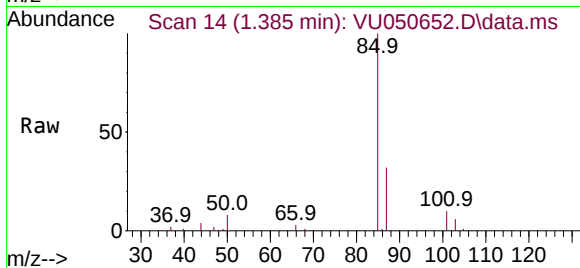




#2
 Dichlorodifluoromethane
 Concen: 32.930 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU050652.D
 Acq: 06 Sep 2022 22:28

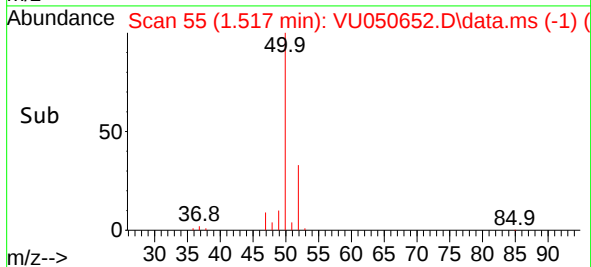
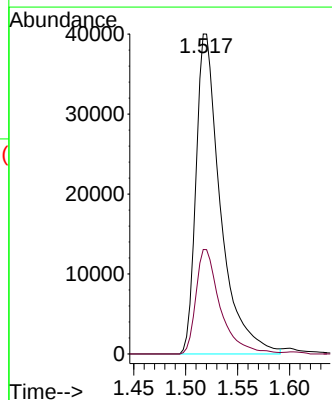
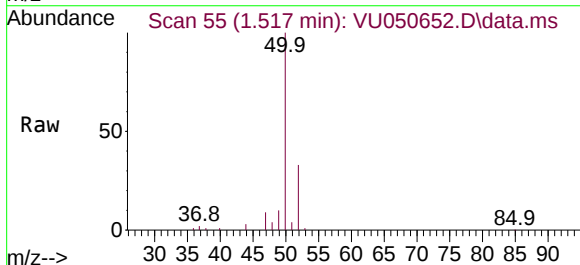
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050191

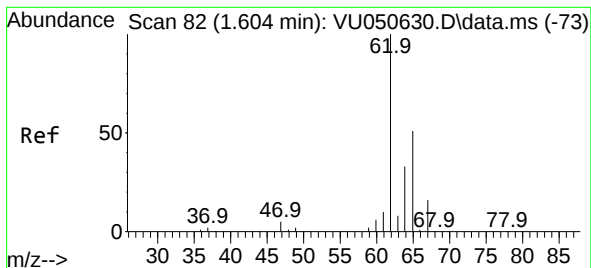
Tgt Ion: 85 Resp: 56617
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.8 38.8



#3
 Chloromethane
 Concen: 35.324 ug/L
 RT: 1.517 min Scan# 55
 Delta R.T. -0.003 min
 Lab File: VU050652.D
 Acq: 06 Sep 2022 22:28

Tgt Ion: 50 Resp: 65622
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.7 43.9





#5

Vinyl chloride

Concen: 33.382 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

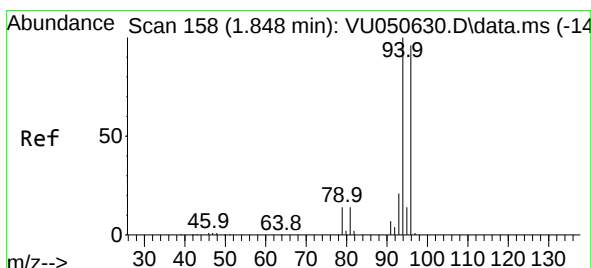
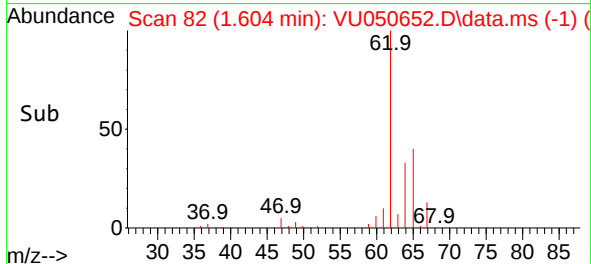
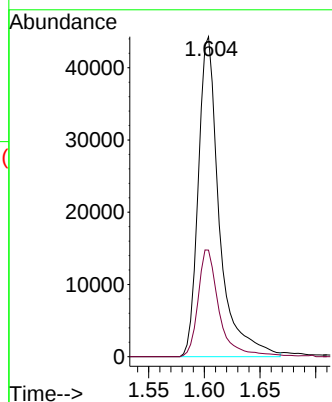
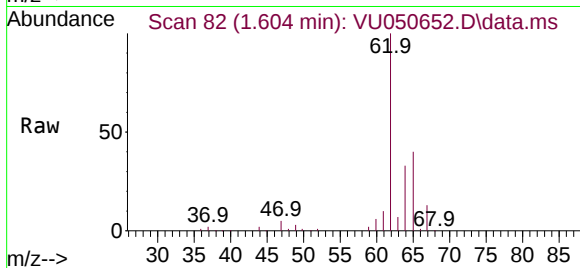
VSTD050191

Tgt Ion: 62 Resp: 58427

Ion Ratio Lower Upper

62 100

64 33.3 23.5 43.7



#6

Bromomethane

Concen: 46.501 ug/L

RT: 1.845 min Scan# 157

Delta R.T. -0.003 min

Lab File: VU050652.D

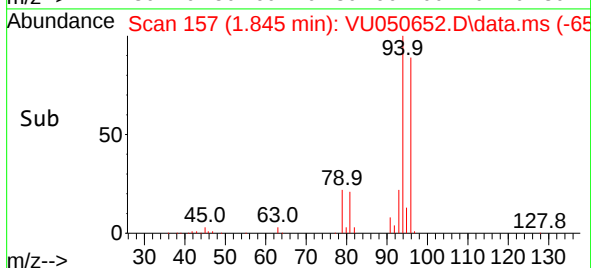
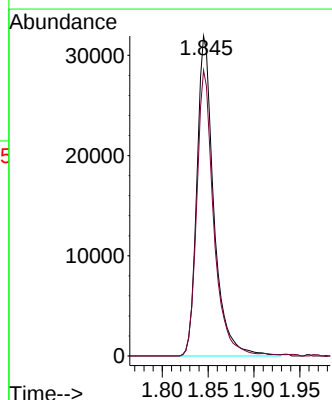
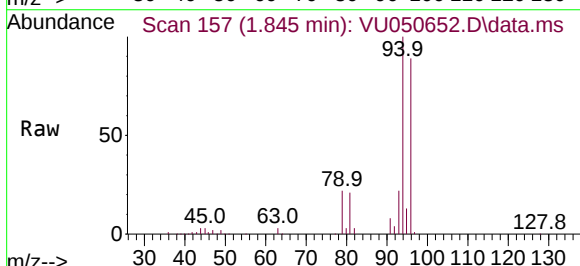
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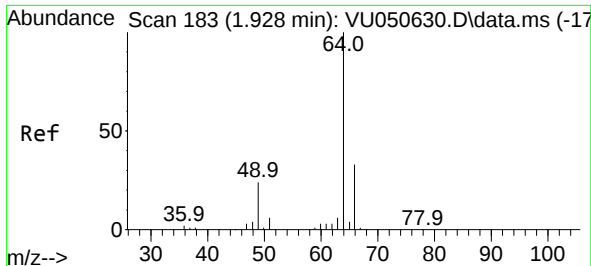
Tgt Ion: 94 Resp: 41046

Ion Ratio Lower Upper

94 100

96 89.3 65.6 121.8

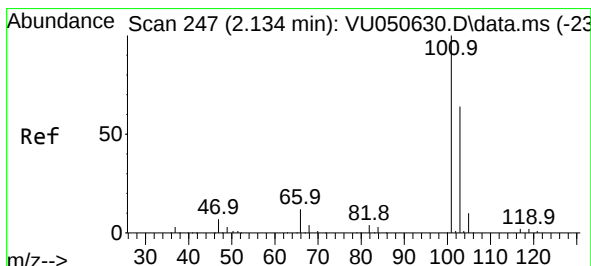
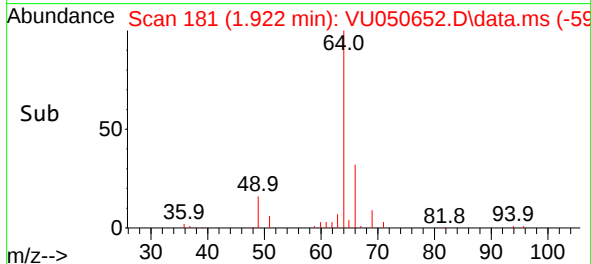
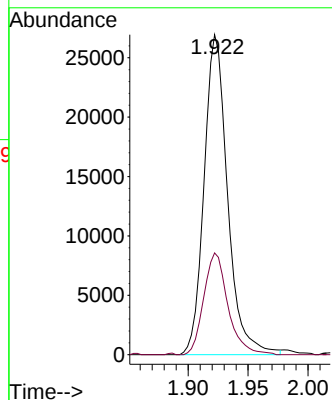
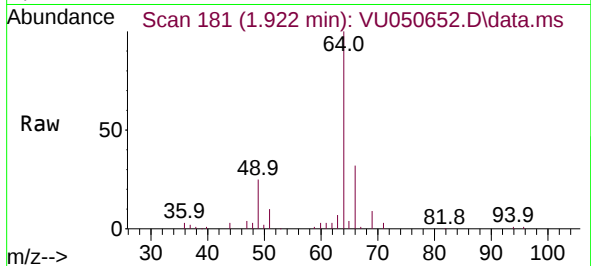




#8
Chloroethane
Concen: 39.564 ug/L
RT: 1.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

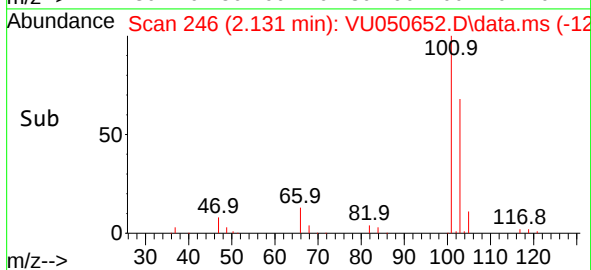
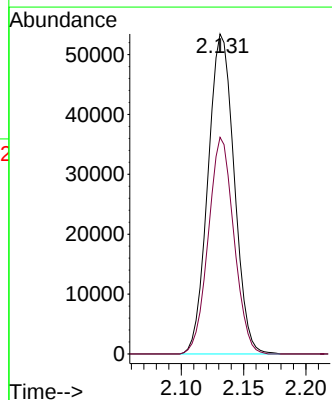
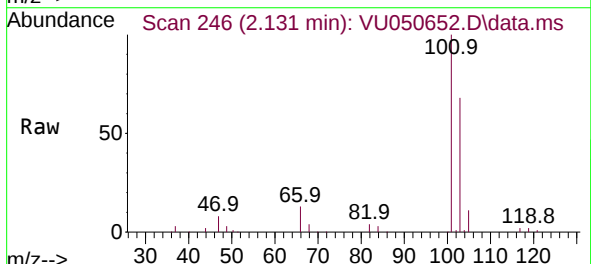
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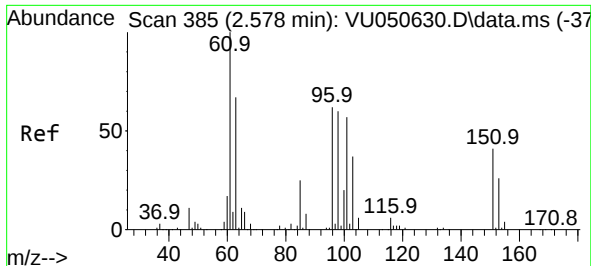
Tgt Ion: 64 Resp: 36780
Ion Ratio Lower Upper
64 100
66 31.8 21.9 40.7



#9
Trichlorofluoromethane
Concen: 36.740 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Tgt Ion: 101 Resp: 78346
Ion Ratio Lower Upper
101 100
103 66.0 51.4 77.0

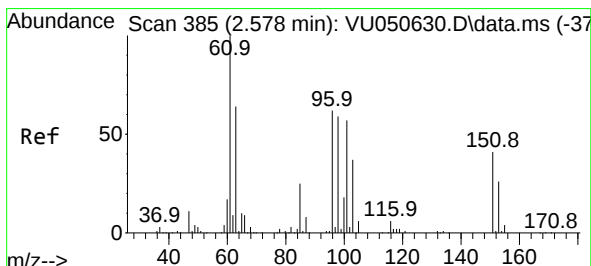
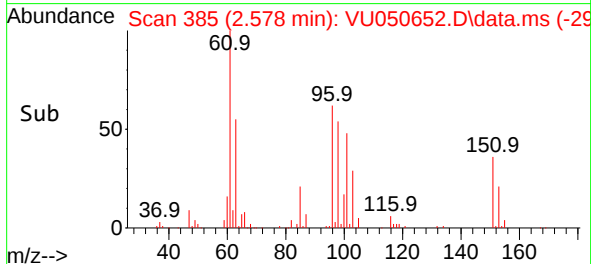
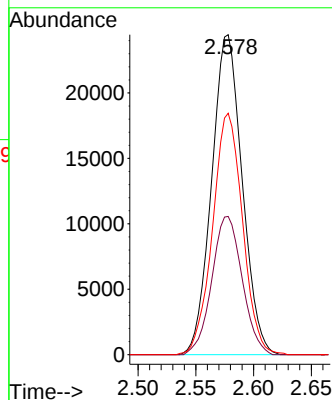
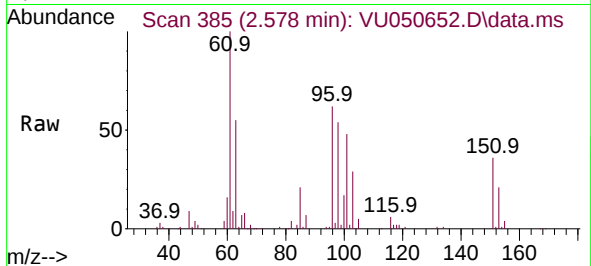




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 32.119 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050652.D
 Acq: 06 Sep 2022 22:28

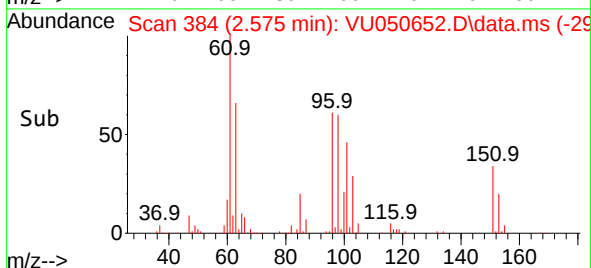
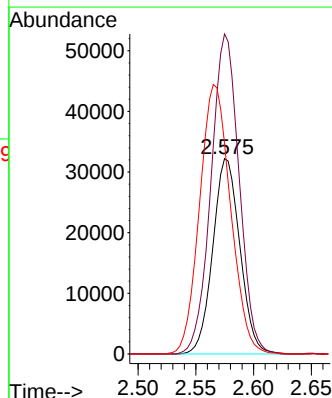
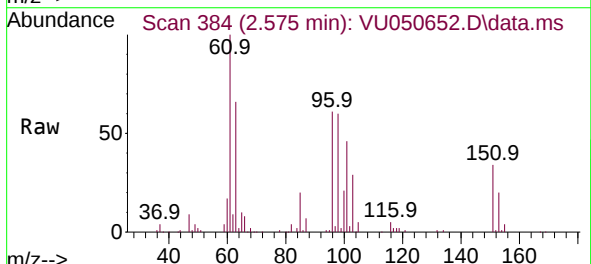
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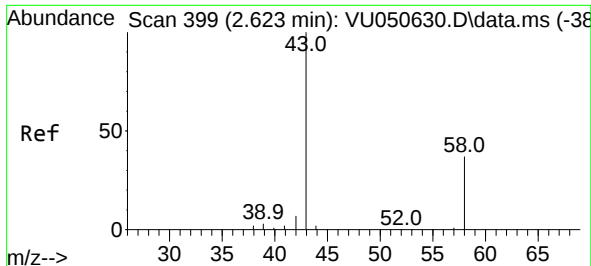
Tgt Ion:101 Resp: 44930
 Ion Ratio Lower Upper
 101 100
 85 43.0 34.4 51.6
 151 74.1 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 38.635 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU050652.D
 Acq: 06 Sep 2022 22:28

Tgt Ion: 96 Resp: 52512
 Ion Ratio Lower Upper
 96 100
 61 163.8 118.0 219.1
 63 107.9 79.5 147.7





#13

Acetone

Concen: 116.143 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.007 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

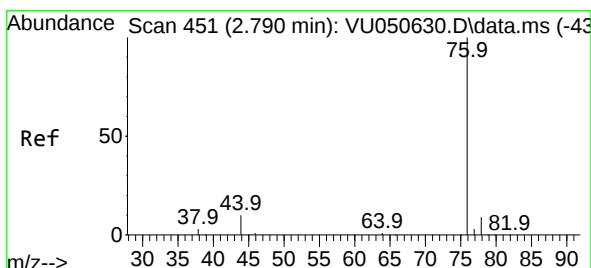
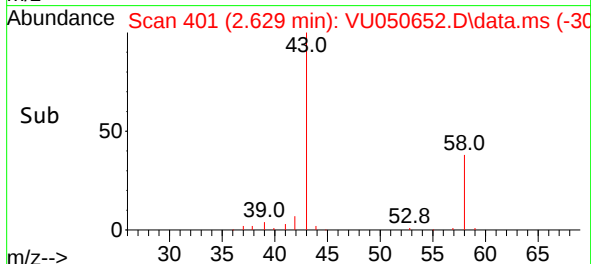
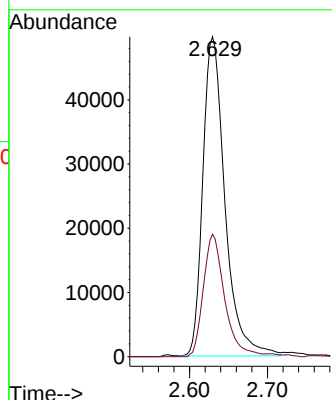
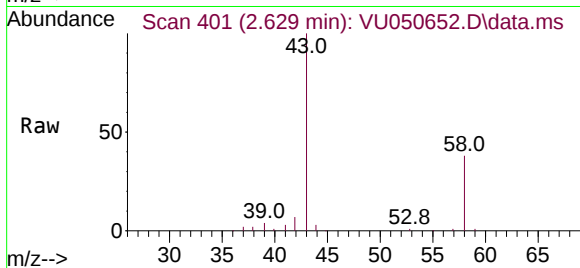
VSTD050191

Tgt Ion: 43 Resp: 98136

Ion Ratio Lower Upper

43 100

58 36.7 0.0 76.2



#14

Carbon disulfide

Concen: 37.975 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

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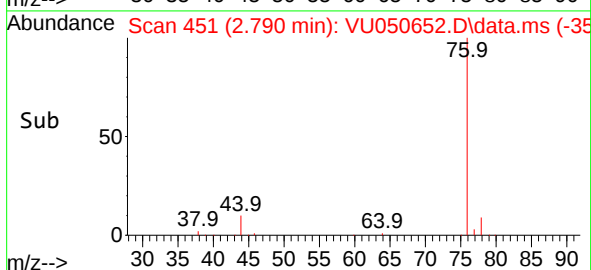
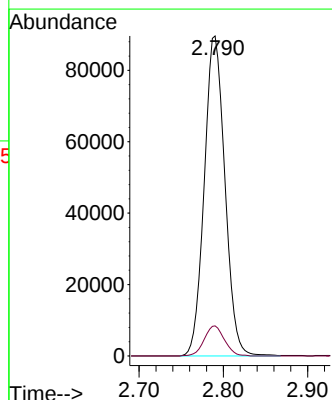
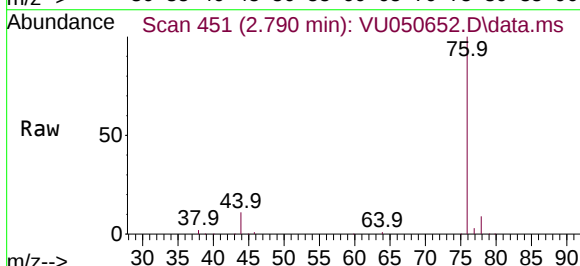
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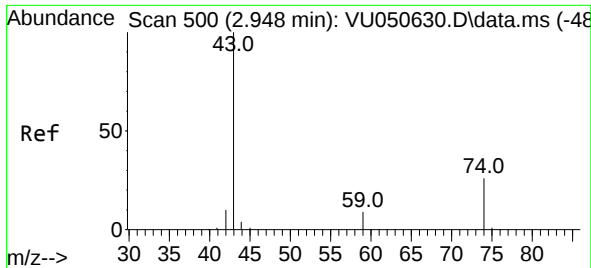
Tgt Ion: 76 Resp: 153057

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

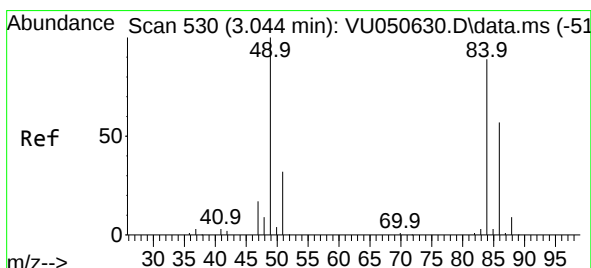
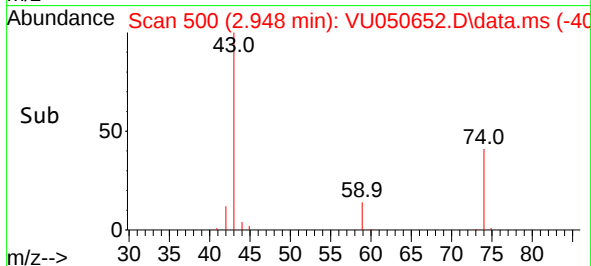
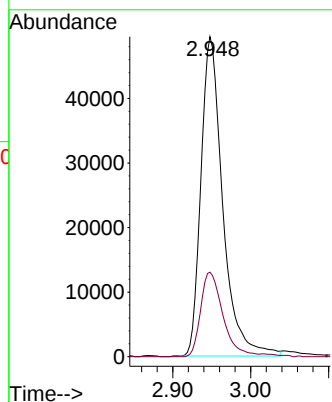
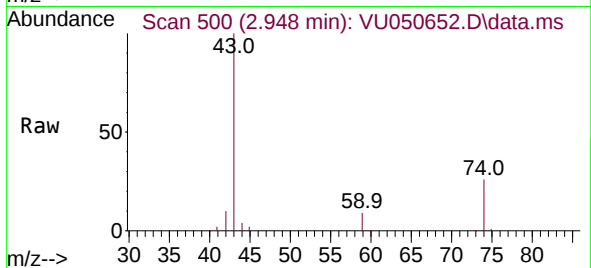




#15
Methyl Acetate
Concen: 53.768 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

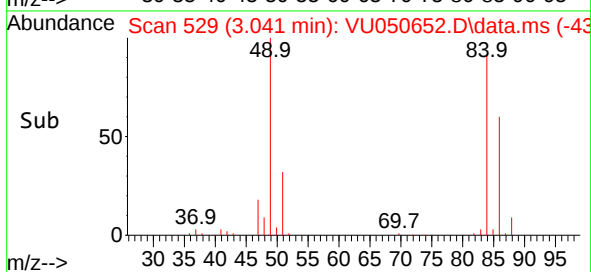
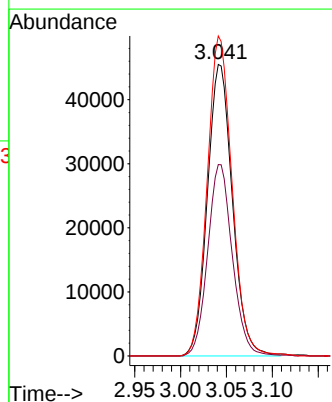
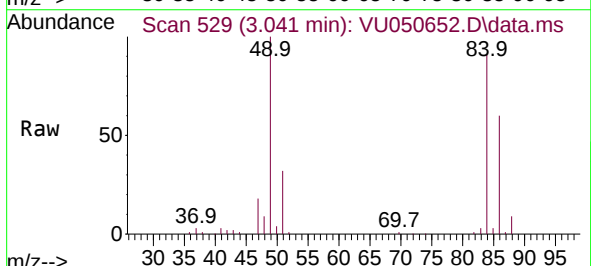
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

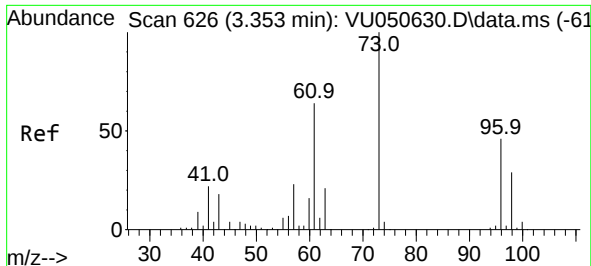
Tgt Ion: 43 Resp: 96082
Ion Ratio Lower Upper
43 100
74 26.9 21.2 31.8



#16
Methylene chloride
Concen: 48.446 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Tgt Ion: 84 Resp: 86418
Ion Ratio Lower Upper
84 100
86 65.6 44.8 83.2
49 109.8 80.6 149.8





#17

trans-1,2-Dichloroethene

Concen: 44.178 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

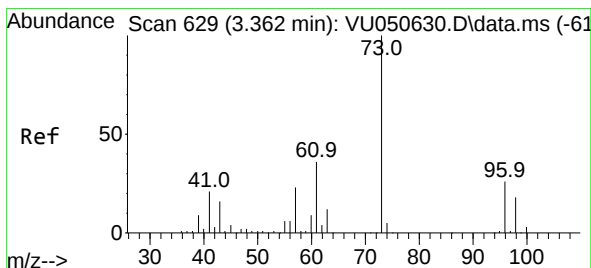
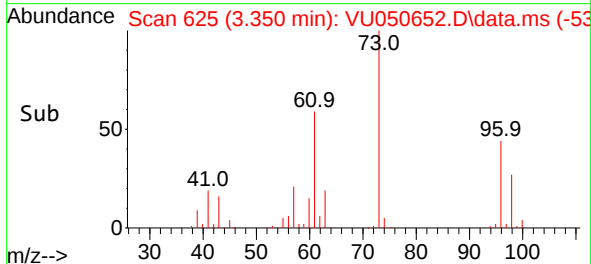
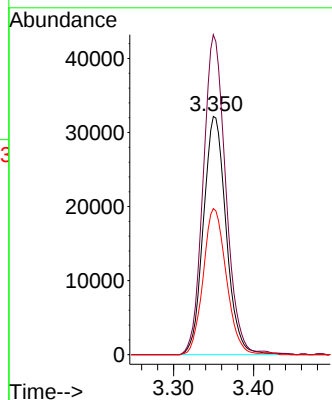
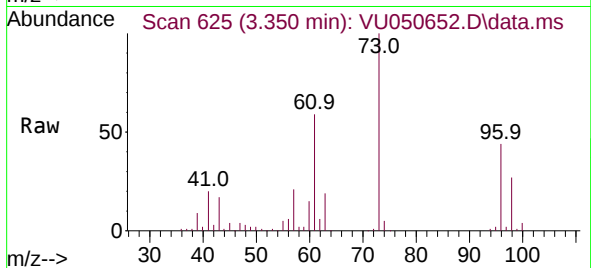
Tgt Ion: 96 Resp: 63674

Ion Ratio Lower Upper

96 100

61 134.3 97.9 181.7

98 61.3 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 56.152 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

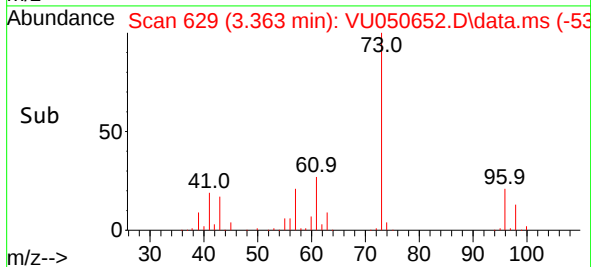
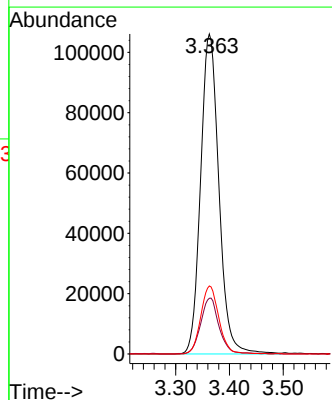
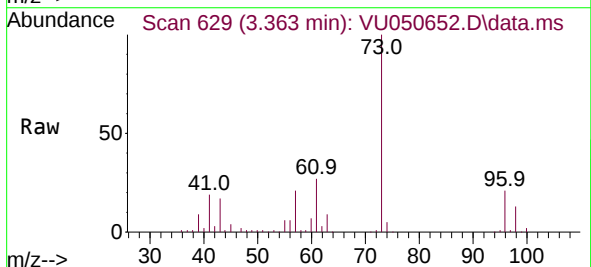
Tgt Ion: 73 Resp: 250933

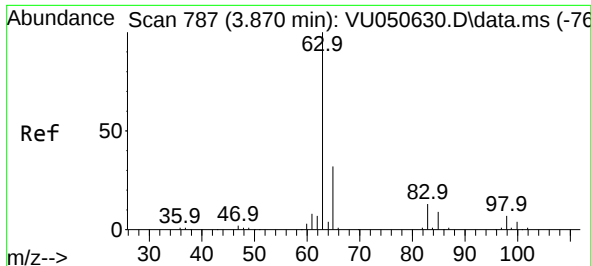
Ion Ratio Lower Upper

73 100

43 17.4 13.4 20.2

57 20.8 17.8 26.8





#19

1,1-Dichloroethane

Concen: 46.829 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

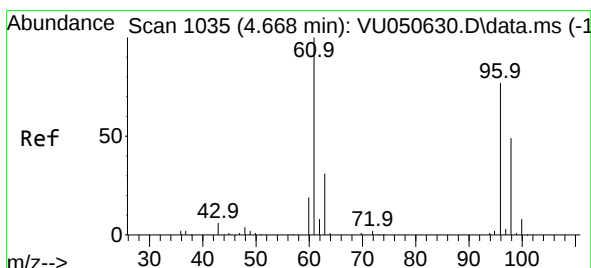
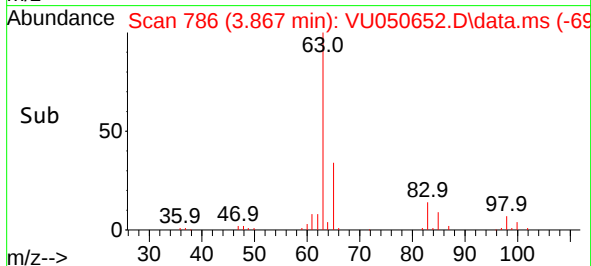
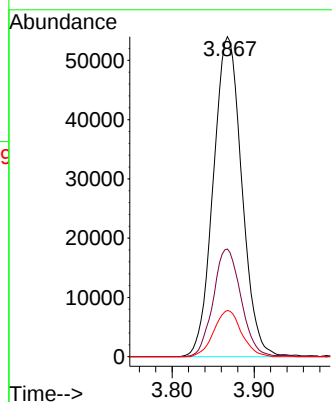
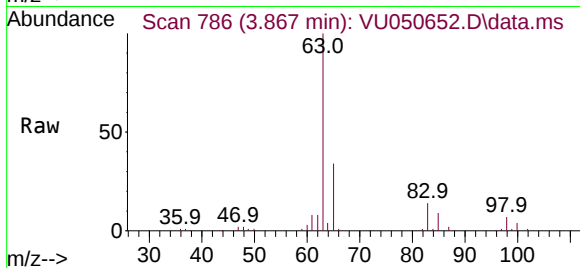
Tgt Ion: 63 Resp: 130220

Ion Ratio Lower Upper

63 100

65 33.7 22.4 41.6

83 14.4 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 49.015 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

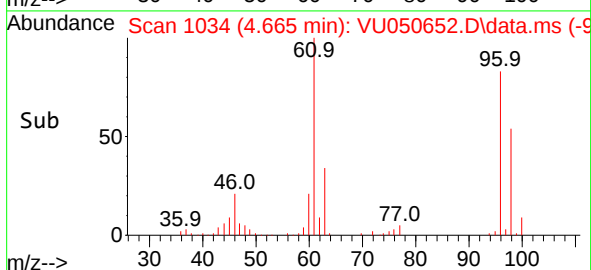
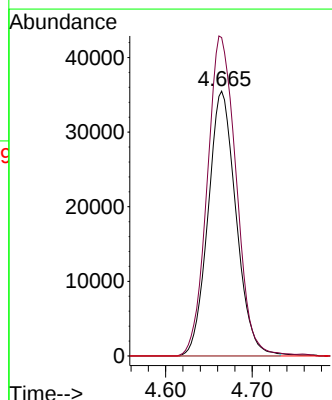
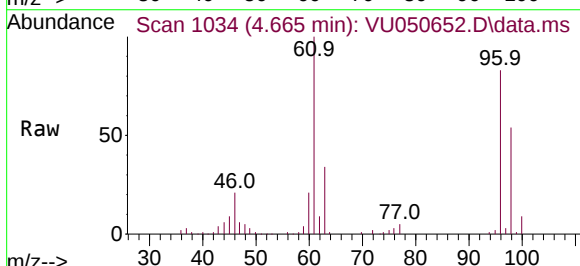
Tgt Ion: 96 Resp: 79709

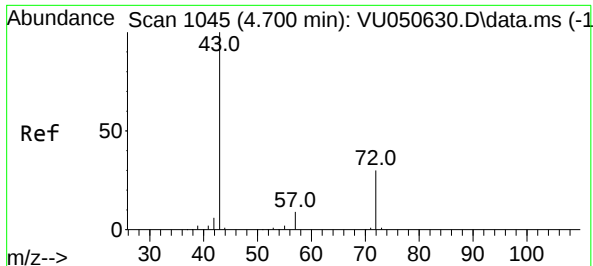
Ion Ratio Lower Upper

96 100

61 120.3 89.8 166.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 115.942 ug/L

RT: 4.703 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

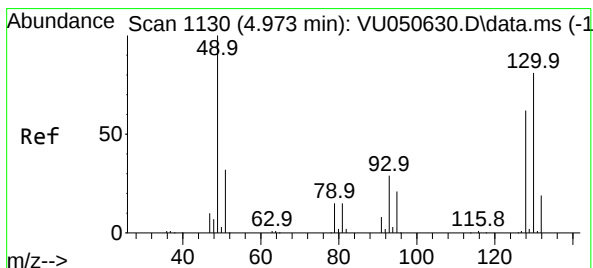
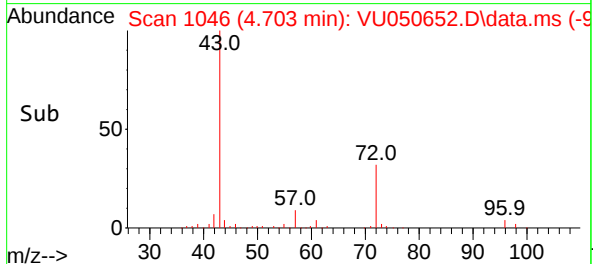
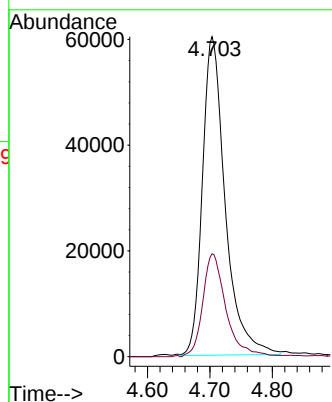
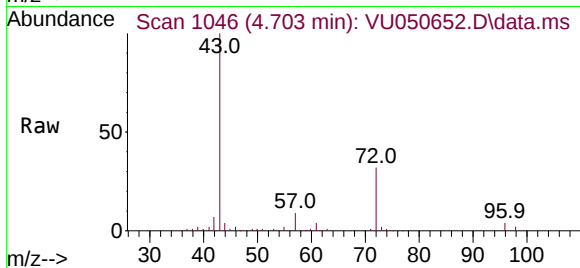
VSTD050191

Tgt Ion: 43 Resp: 153225

Ion Ratio Lower Upper

43 100

72 32.6 14.6 44.0



#23

Bromochloromethane

Concen: 55.573 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Tgt Ion: 128 Resp: 46700

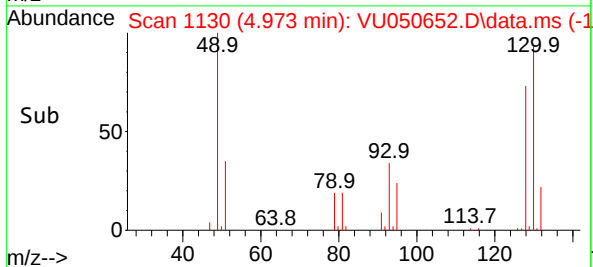
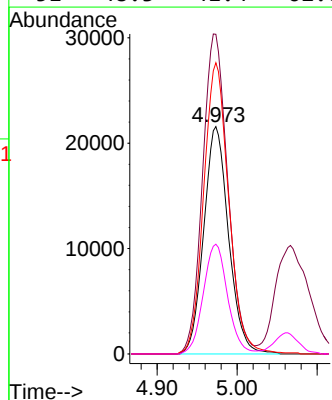
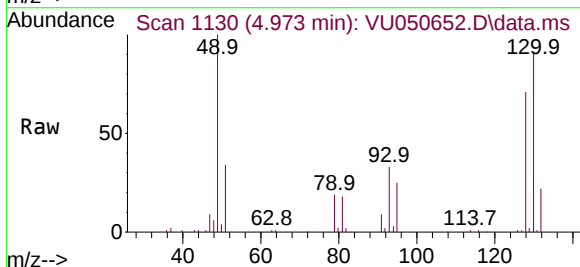
Ion Ratio Lower Upper

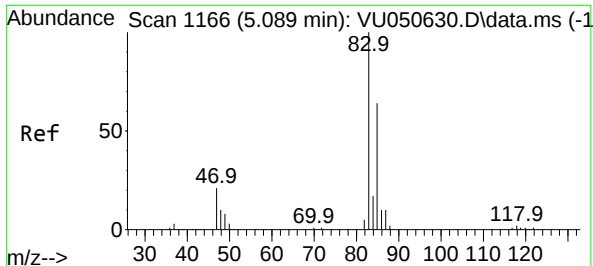
128 100

49 140.6 112.5 208.9

130 128.1 91.8 170.4

51 48.3 41.4 62.0





#25

Chloroform

Concen: 52.257 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

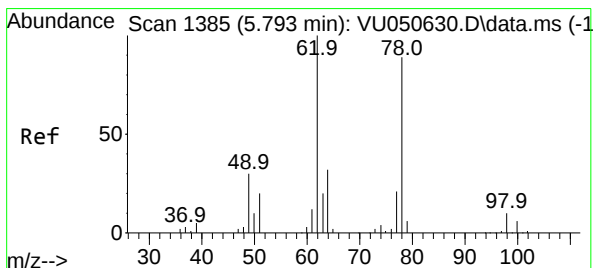
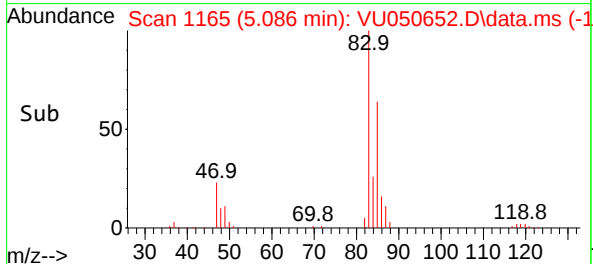
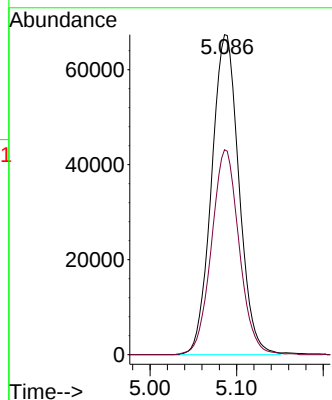
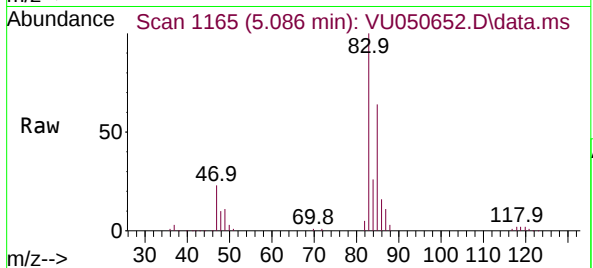
VSTD050191

Tgt Ion: 83 Resp: 148048

Ion Ratio Lower Upper

83 100

85 64.1 45.6 84.8



#27

1,2-Dichloroethane

Concen: 58.120 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050652.D

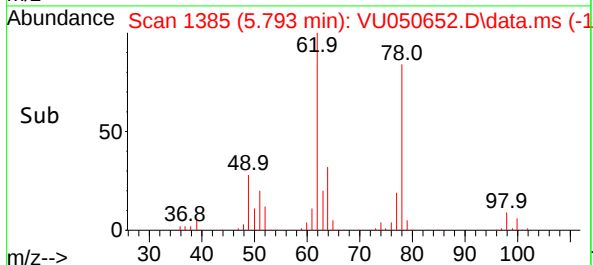
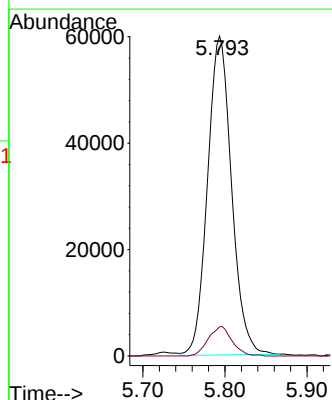
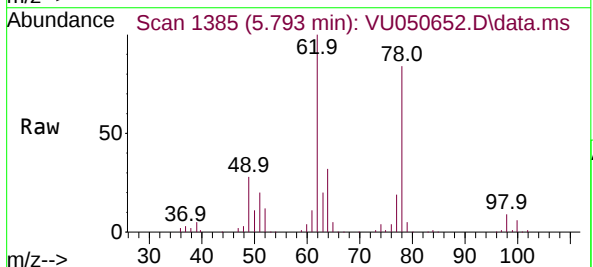
Acq: 06 Sep 2022 22:28

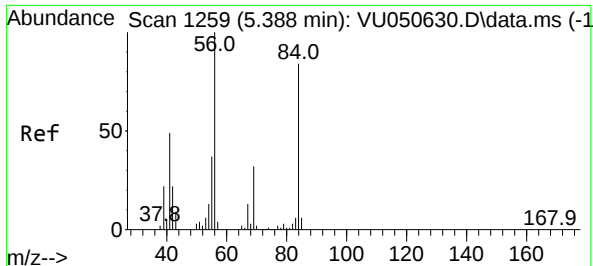
Tgt Ion: 62 Resp: 122039

Ion Ratio Lower Upper

62 100

98 9.1 8.2 12.2





#29

Cyclohexane

Concen: 29.960 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

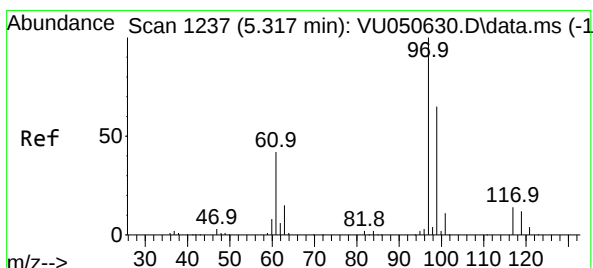
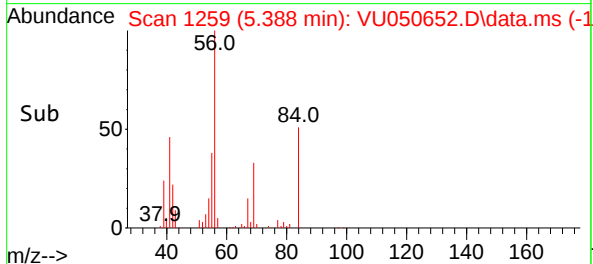
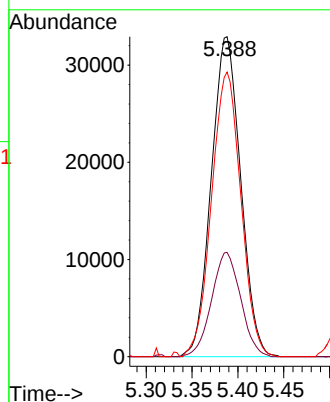
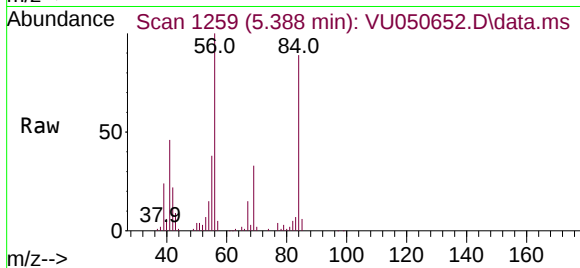
Tgt Ion: 56 Resp: 73316

Ion Ratio Lower Upper

56 100

69 32.3 24.6 37.0

84 88.9 67.4 101.2



#30

1,1,1-Trichloroethane

Concen: 44.706 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

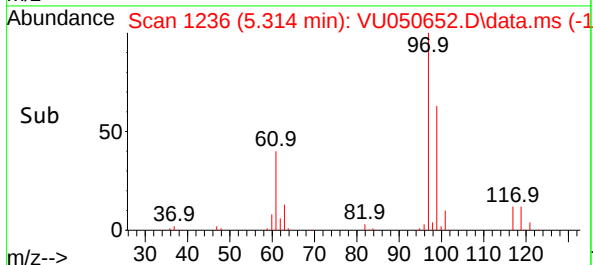
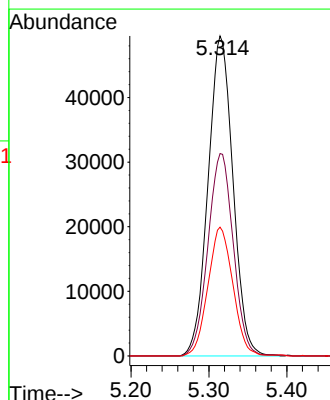
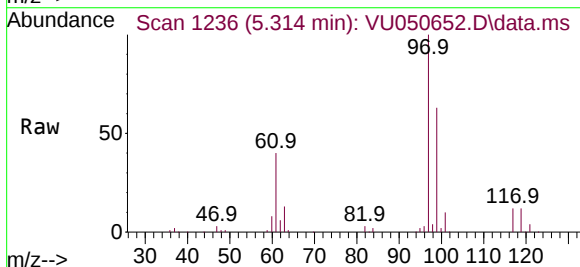
Tgt Ion: 97 Resp: 110026

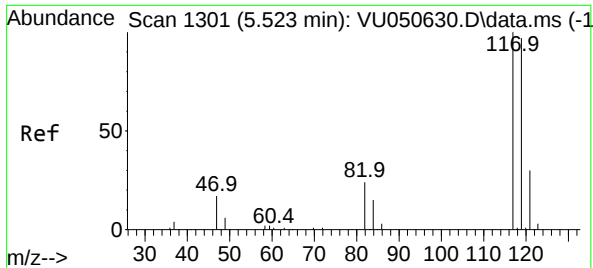
Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

61 40.2 34.2 51.4

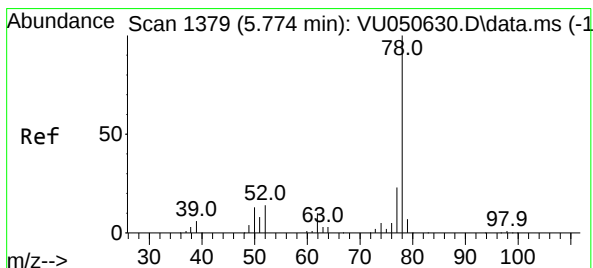
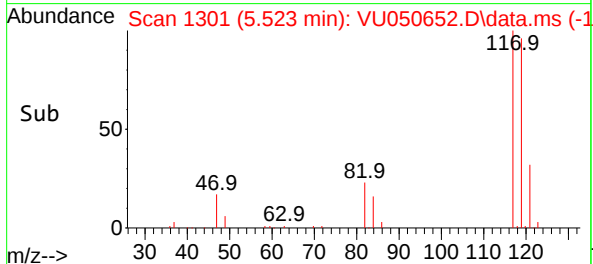
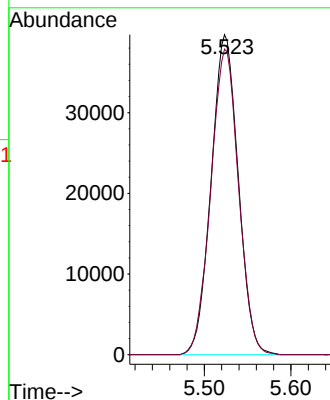
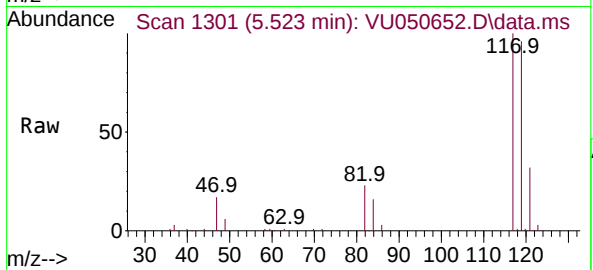




#31
Carbon tetrachloride
Concen: 42.743 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

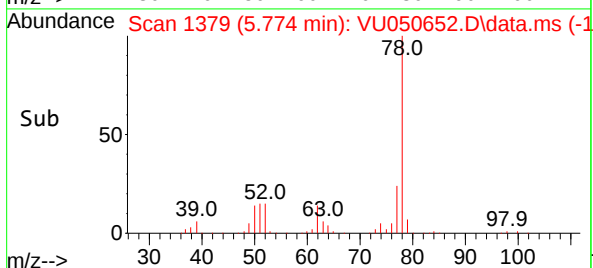
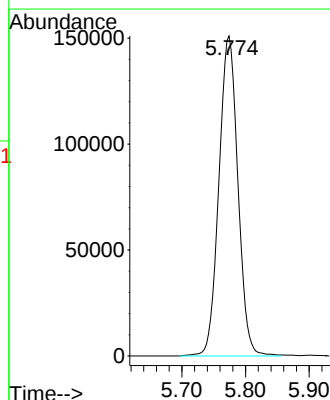
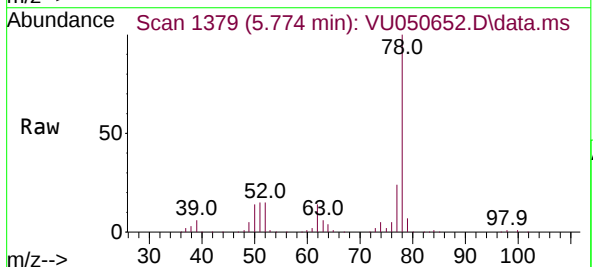
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

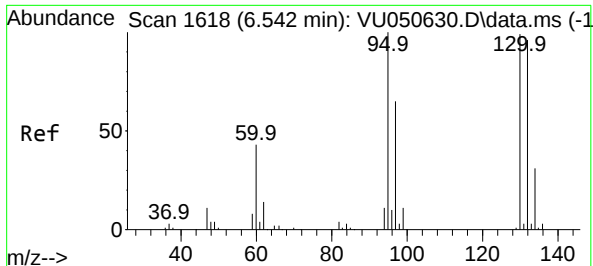
Tgt Ion:117 Resp: 86187
Ion Ratio Lower Upper
117 100
119 97.6 77.4 116.2



#33
Benzene
Concen: 47.097 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Tgt Ion: 78 Resp: 313190

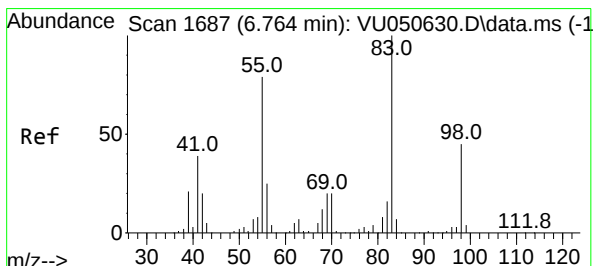
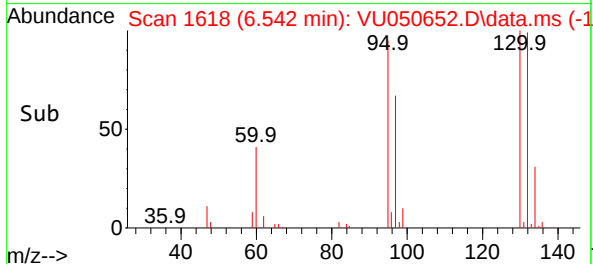
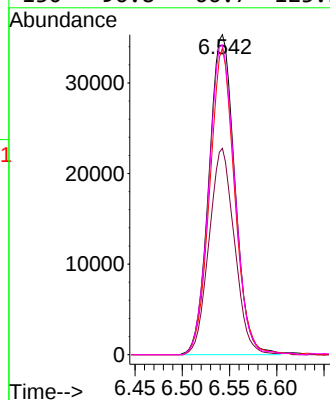
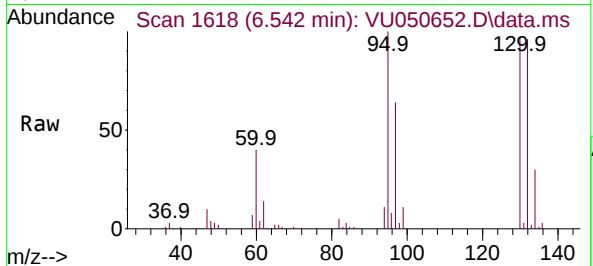




#34
Trichloroethene
Concen: 43.435 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

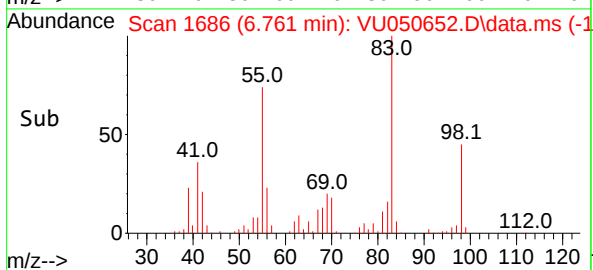
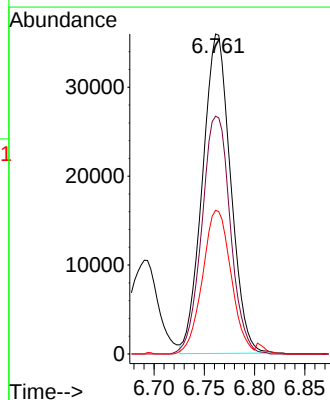
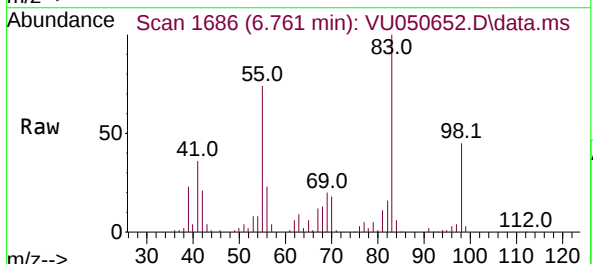
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

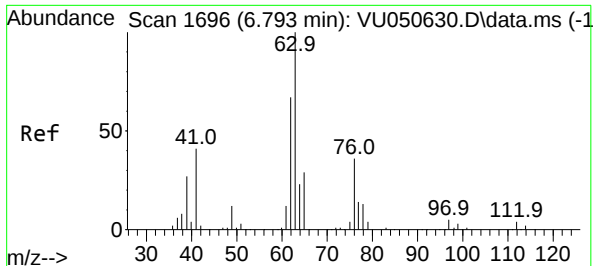
Tgt Ion: 95 Resp: 67302
Ion Ratio Lower Upper
95 100
97 64.5 45.4 84.2
132 95.8 65.2 121.2
130 96.8 66.7 123.9



#35
Methylcyclohexane
Concen: 28.383 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Tgt Ion: 83 Resp: 69918
Ion Ratio Lower Upper
83 100
55 75.4 62.6 93.8
98 45.5 35.5 53.3





#37

1,2-Dichloropropane

Concen: 47.607 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

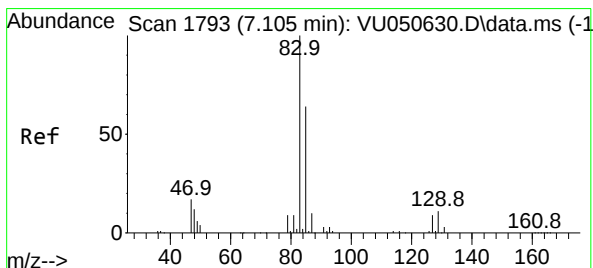
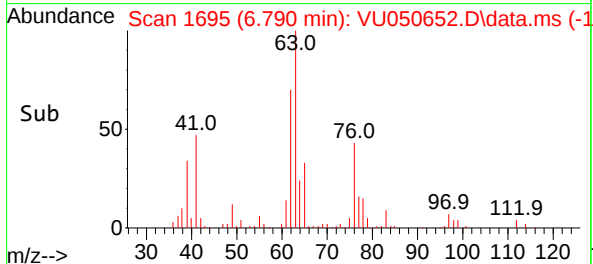
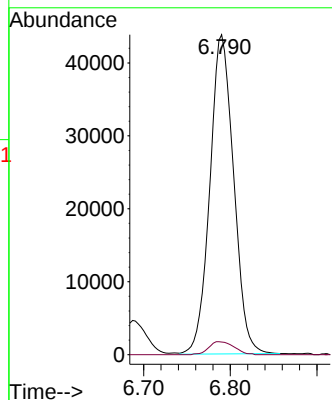
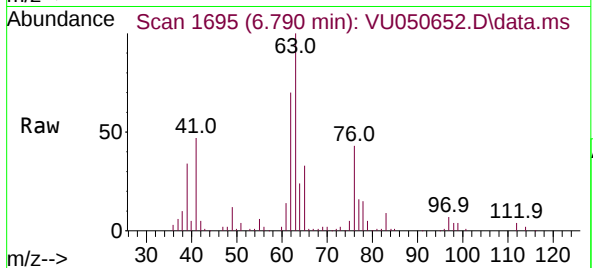
VSTD050191

Tgt Ion: 63 Resp: 83623

Ion Ratio Lower Upper

63 100

112 4.3 3.0 4.4



#38

Bromodichloromethane

Concen: 55.024 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

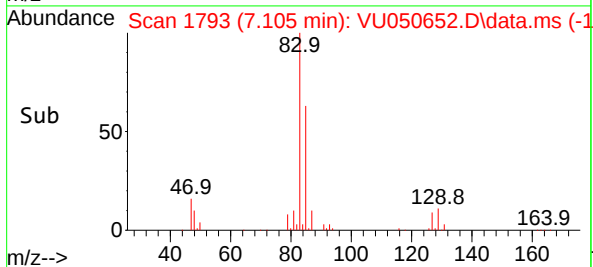
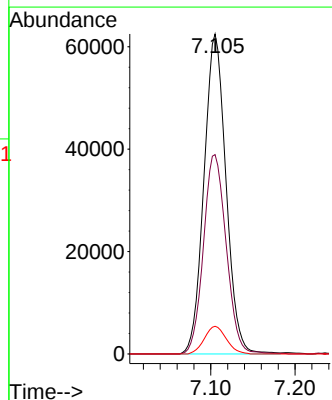
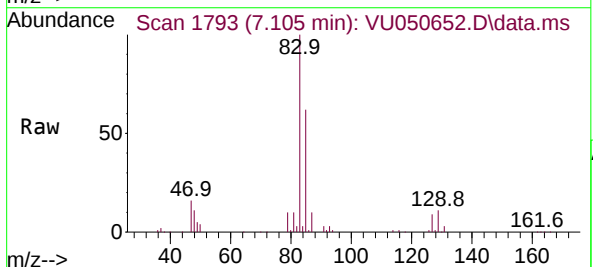
Tgt Ion: 83 Resp: 113693

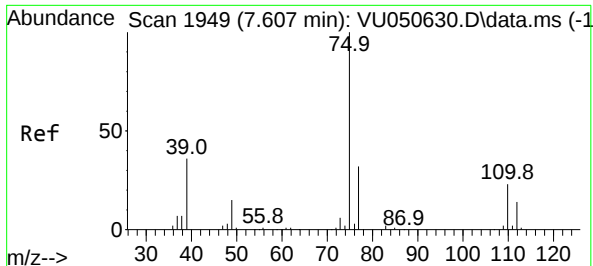
Ion Ratio Lower Upper

83 100

85 62.3 44.9 83.5

127 8.6 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 51.555 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

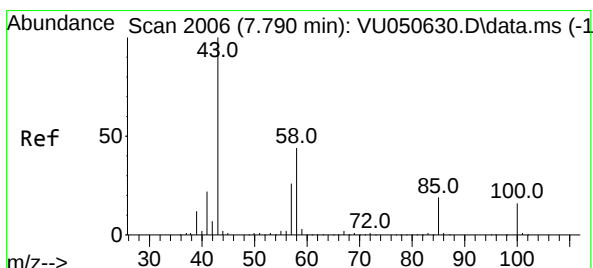
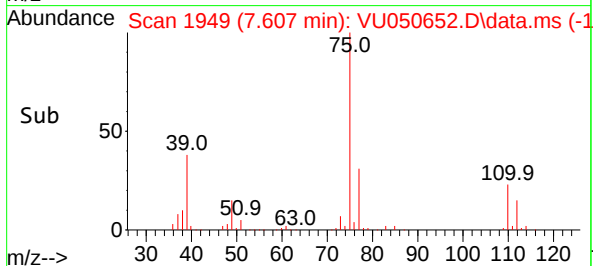
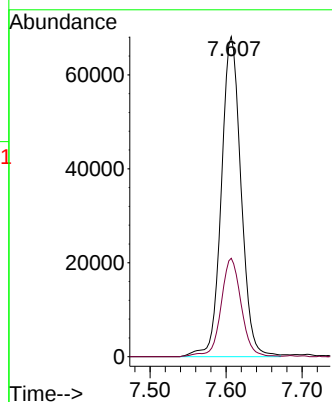
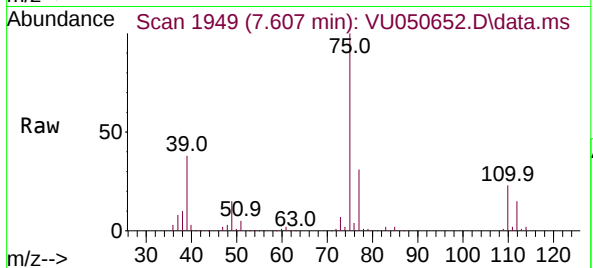
VSTD050191

Tgt Ion: 75 Resp: 122576

Ion Ratio Lower Upper

75 100

77 30.7 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 109.953 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

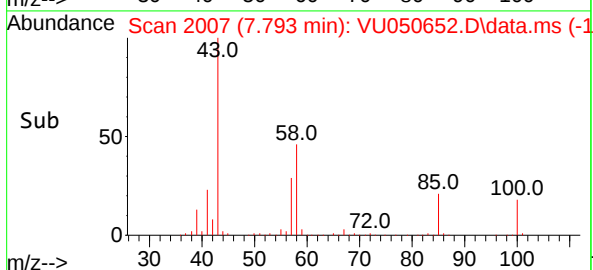
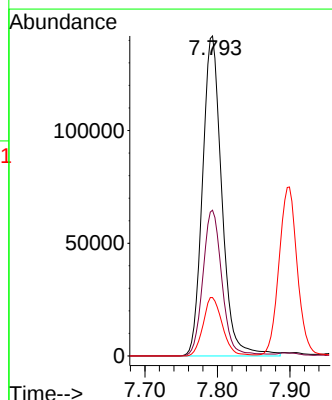
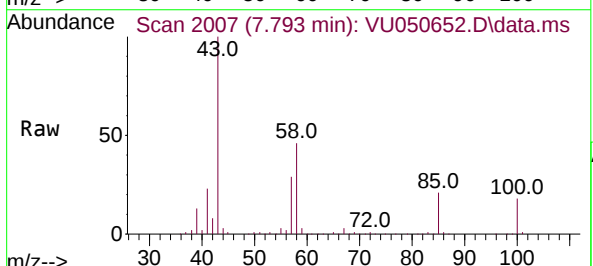
Tgt Ion: 43 Resp: 263190

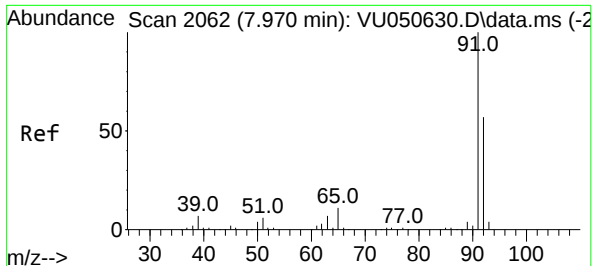
Ion Ratio Lower Upper

43 100

58 45.1 35.1 52.7

100 18.2 12.9 19.3





#42

Toluene

Concen: 46.134 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

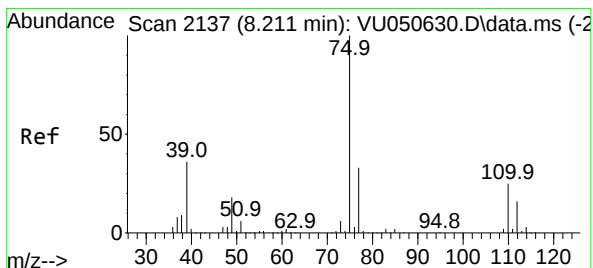
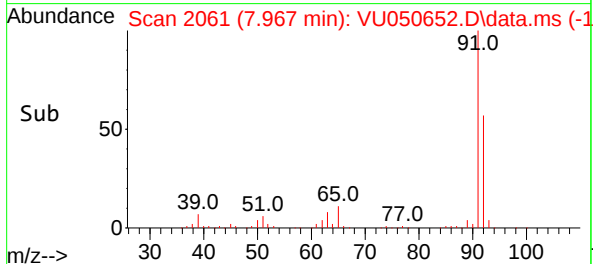
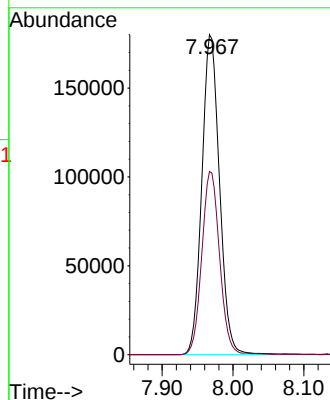
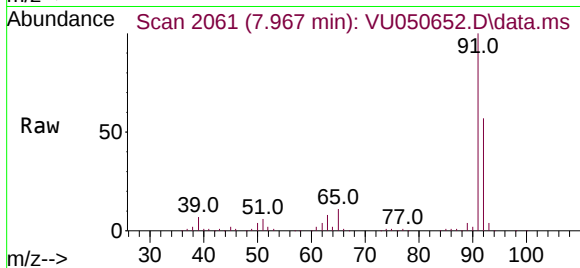
VSTD050191

Tgt Ion: 91 Resp: 311630

Ion Ratio Lower Upper

91 100

92 57.3 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 52.541 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050652.D

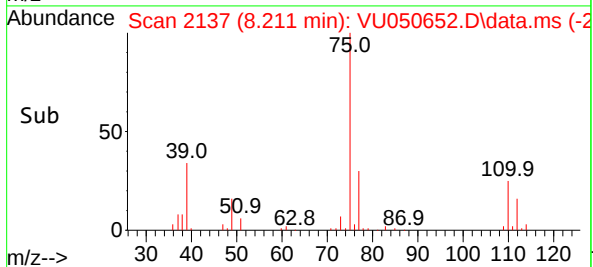
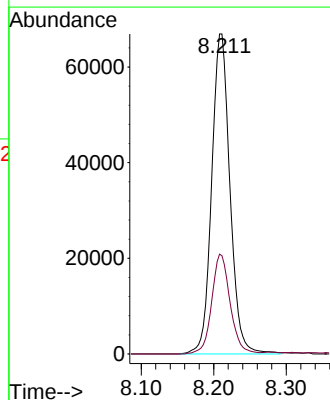
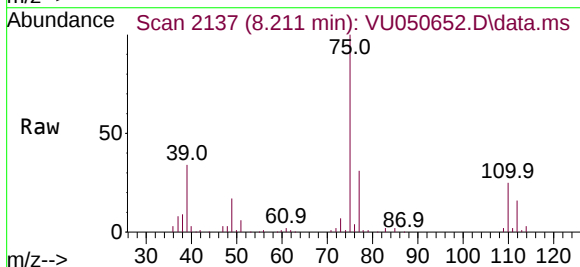
Acq: 06 Sep 2022 22:28

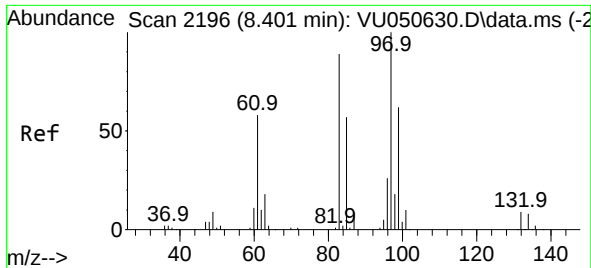
Tgt Ion: 75 Resp: 117206

Ion Ratio Lower Upper

75 100

77 30.7 22.1 41.1

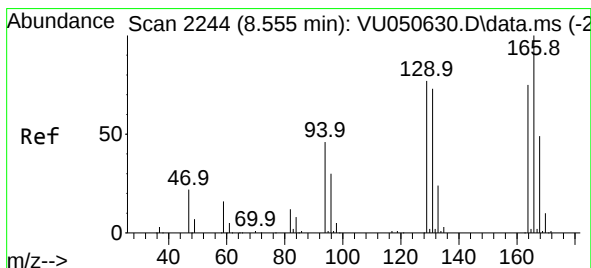
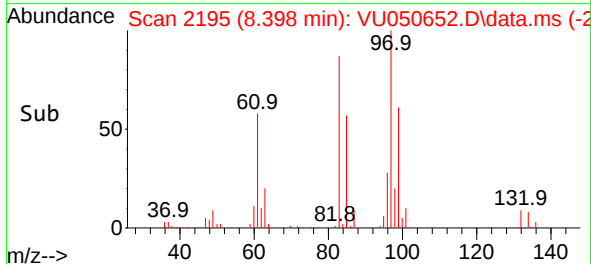
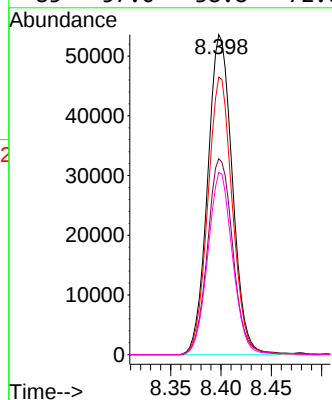
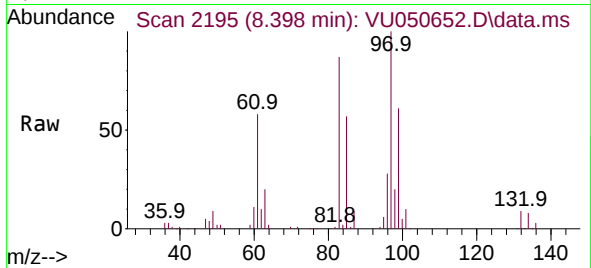




#45
1,1,2-Trichloroethane
Concen: 54.424 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

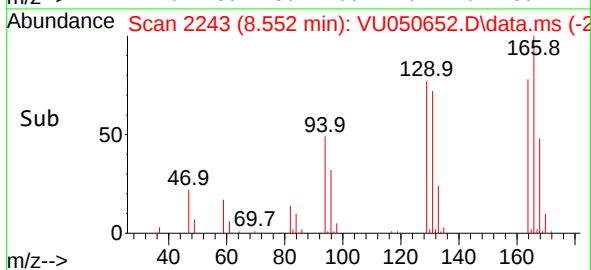
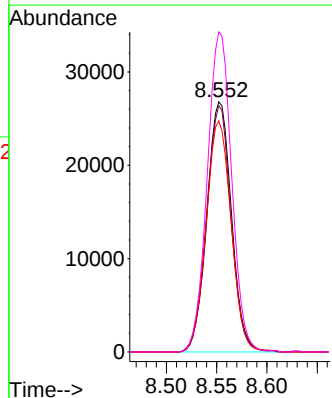
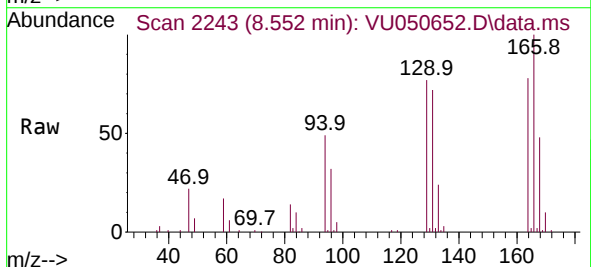
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

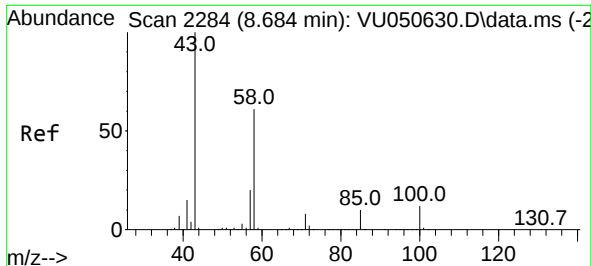
Tgt Ion:	97	Resp:	91833
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.5	80.9
83	86.7	61.6	114.4
85	57.0	38.8	72.0



#46
Tetrachloroethene
Concen: 40.295 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Tgt Ion:	164	Resp:	45603
Ion	Ratio	Lower	Upper
164	100		
129	98.5	68.7	127.5
131	92.4	66.2	123.0
166	127.9	87.7	162.9

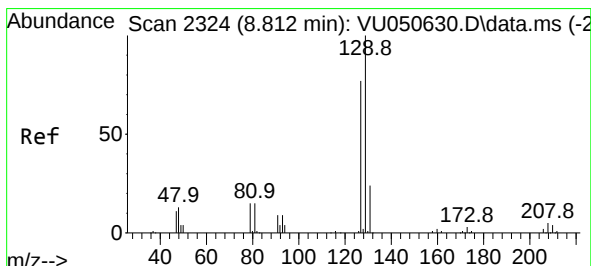
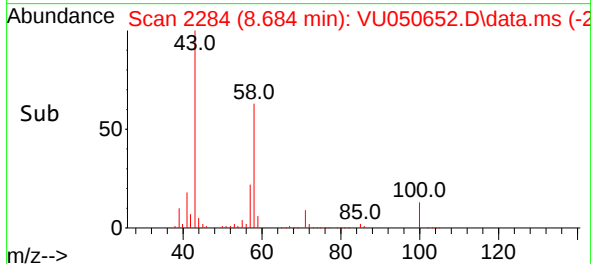
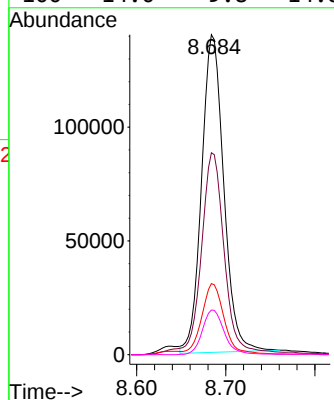
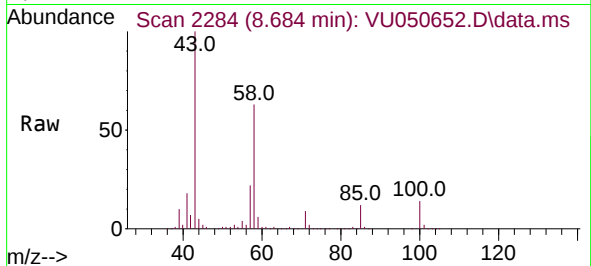




#48
2-Hexanone
Concen: 108.008 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

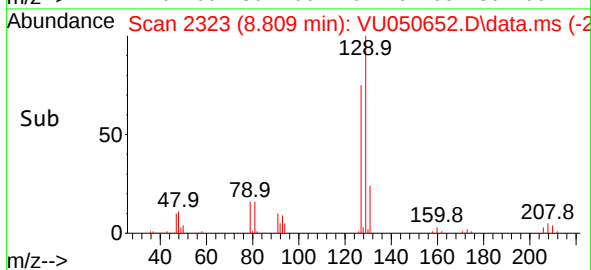
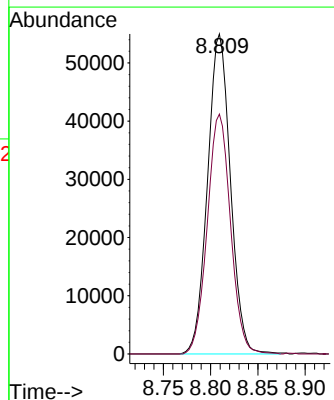
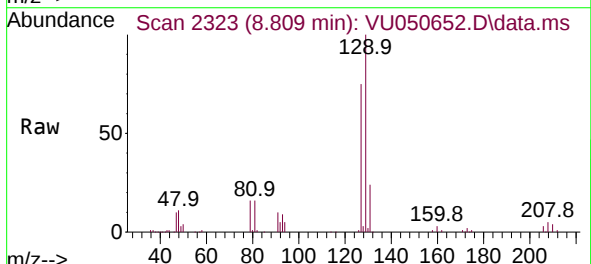
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

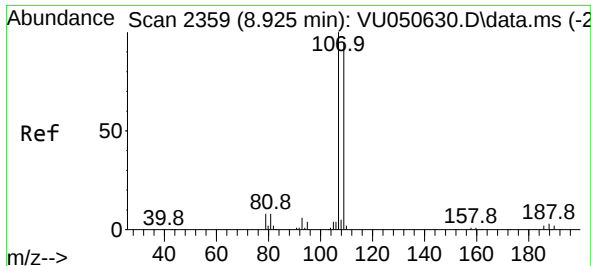
Tgt Ion: 43 Resp: 241280
Ion Ratio Lower Upper
43 100
58 66.8 51.8 77.6
57 23.0 17.0 25.4
100 14.0 9.8 14.8



#49
Dibromochloromethane
Concen: 57.545 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Tgt Ion: 129 Resp: 92614
Ion Ratio Lower Upper
129 100
127 74.9 53.8 100.0





#50

1,2-Dibromoethane

Concen: 56.322 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

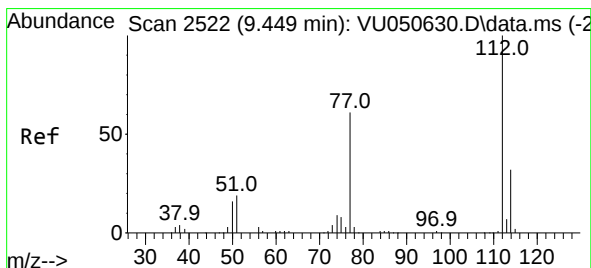
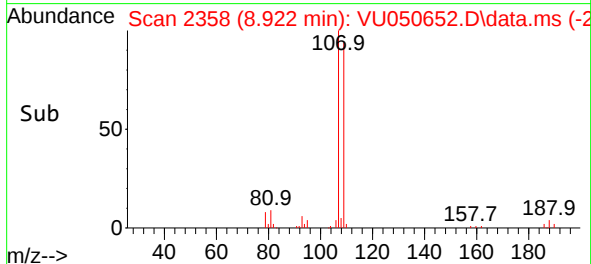
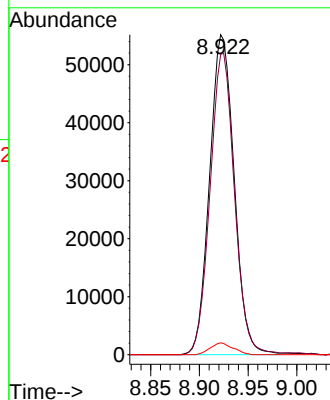
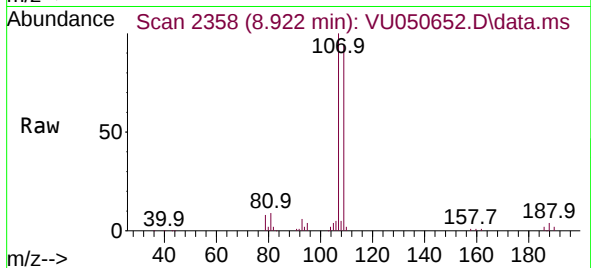
Tgt Ion:107 Resp: 96650

Ion Ratio Lower Upper

107 100

109 93.9 67.5 125.4

188 3.7 2.5 3.7



#51

Chlorobenzene

Concen: 47.107 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

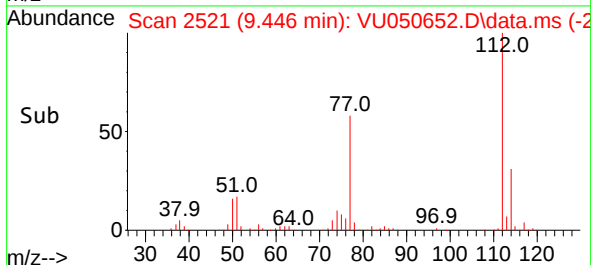
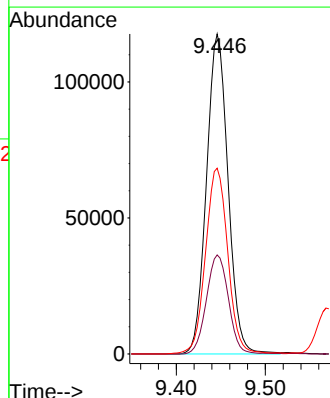
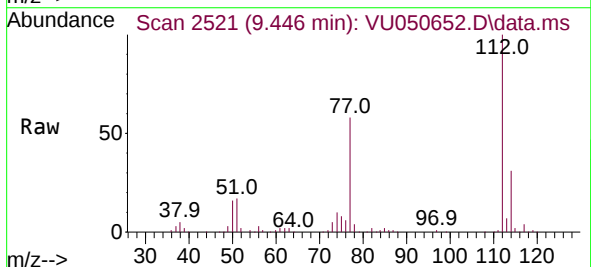
Tgt Ion:112 Resp: 197486

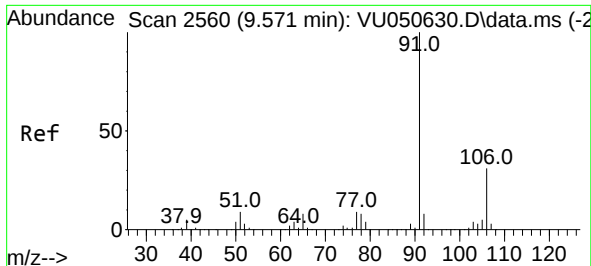
Ion Ratio Lower Upper

112 100

114 31.0 22.1 41.1

77 58.1 49.2 73.8

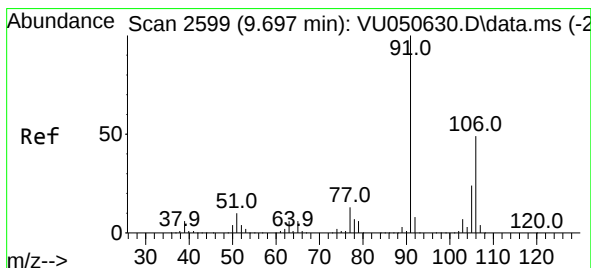
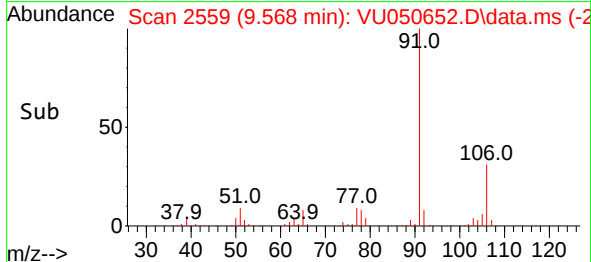
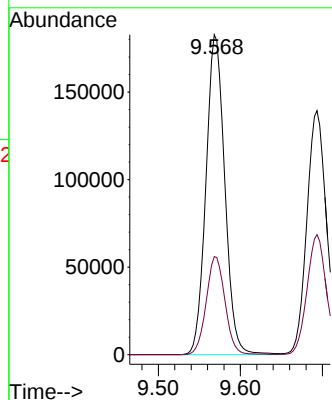
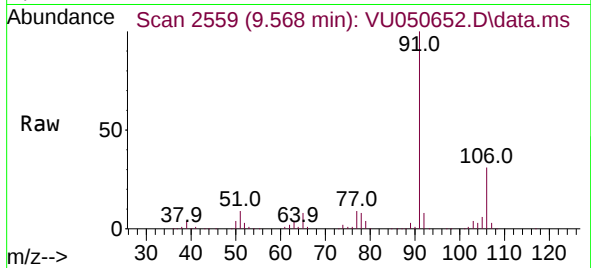




#52
Ethylbenzene
Concen: 43.819 ug/L
RT: 9.568 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

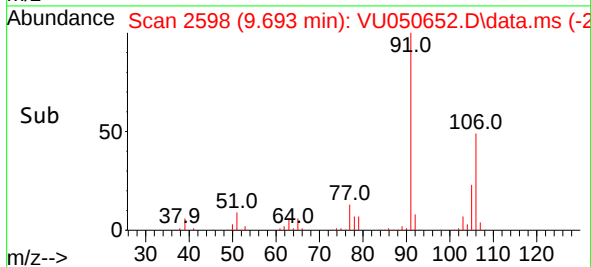
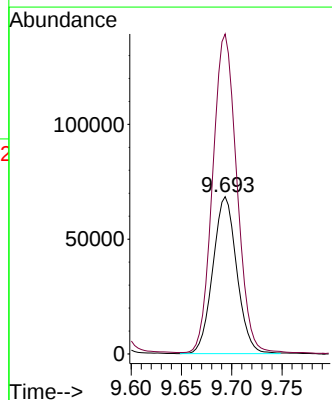
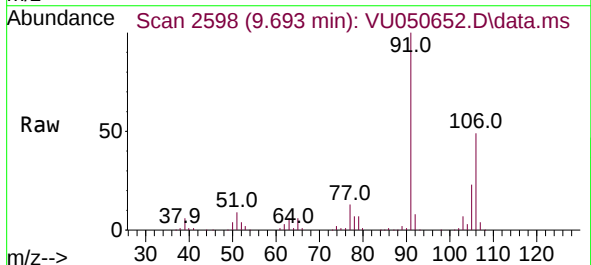
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

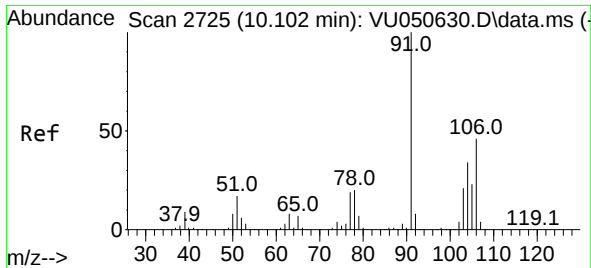
Tgt Ion: 91 Resp: 292407
Ion Ratio Lower Upper
91 100
106 30.6 21.2 39.4



#53
m,p-Xylene
Concen: 44.178 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Tgt Ion:106 Resp: 112943
Ion Ratio Lower Upper
106 100
91 203.4 147.1 273.3

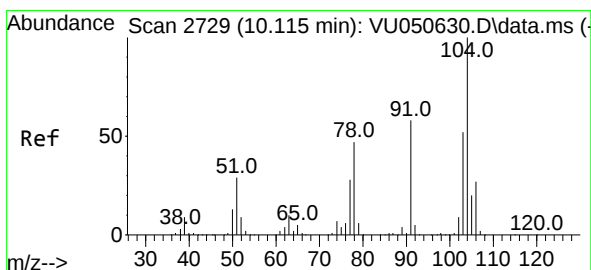
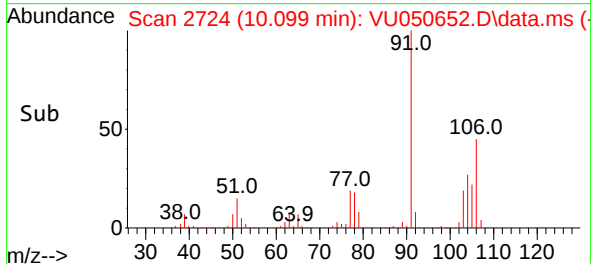
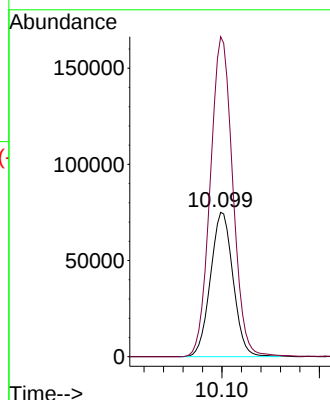
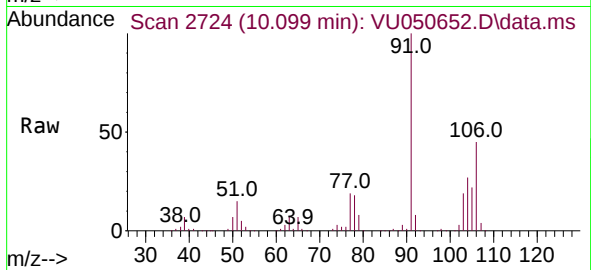




#54
o-Xylene
Concen: 47.534 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

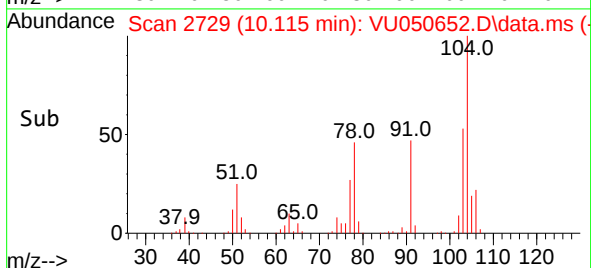
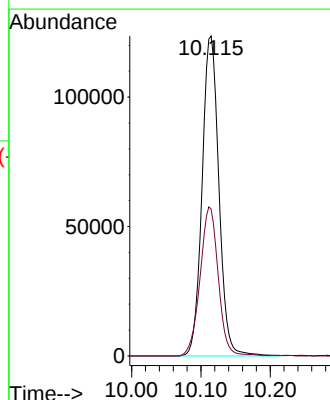
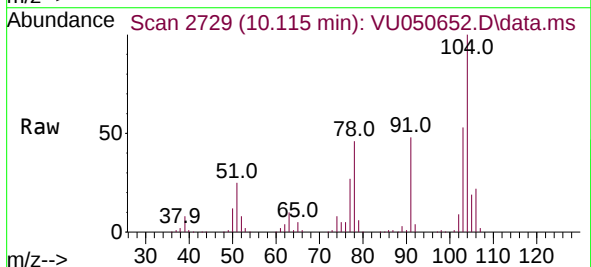
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

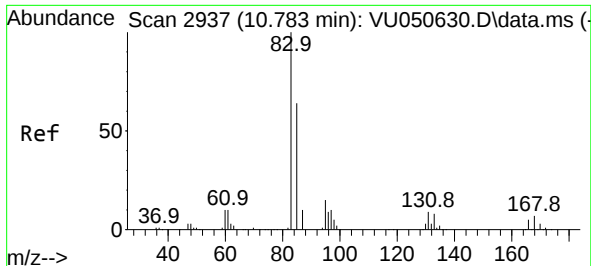
Tgt Ion:106 Resp: 120988
Ion Ratio Lower Upper
106 100
91 221.6 153.4 284.8



#55
Styrene
Concen: 49.815 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Tgt Ion:104 Resp: 208622
Ion Ratio Lower Upper
104 100
78 45.9 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 54.181 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

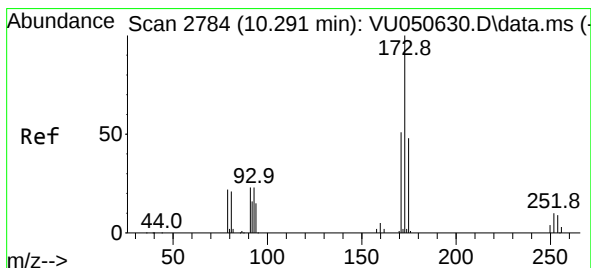
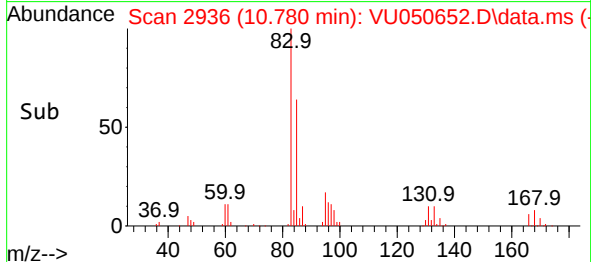
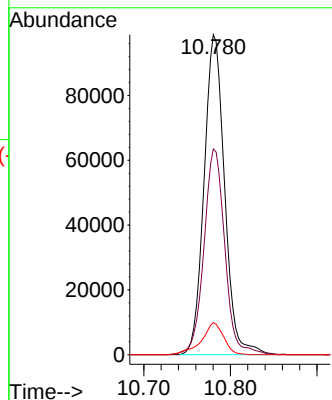
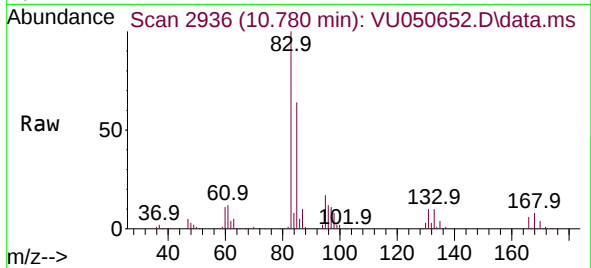
Tgt Ion: 83 Resp: 162847

Ion Ratio Lower Upper

83 100

85 64.3 45.5 84.5

131 10.0 7.7 11.5



#59

Bromoform

Concen: 54.829 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

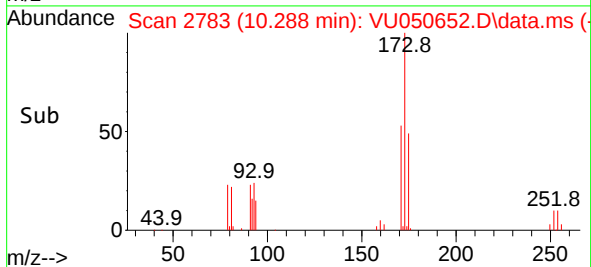
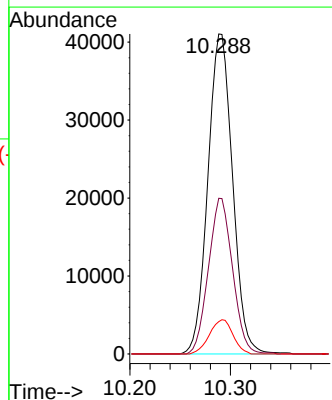
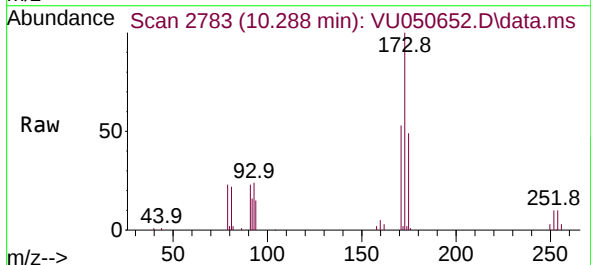
Tgt Ion:173 Resp: 70035

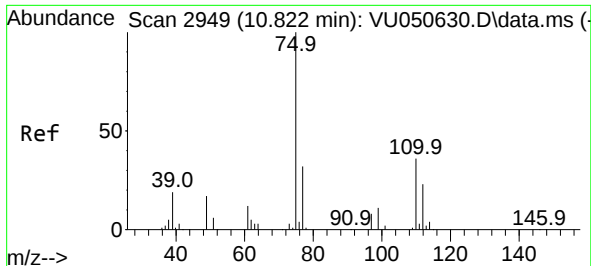
Ion Ratio Lower Upper

173 100

175 47.4 40.0 60.0

254 10.2 7.4 11.0

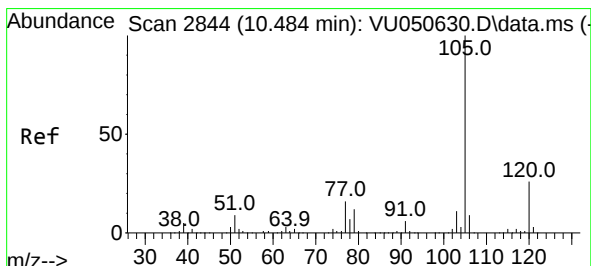
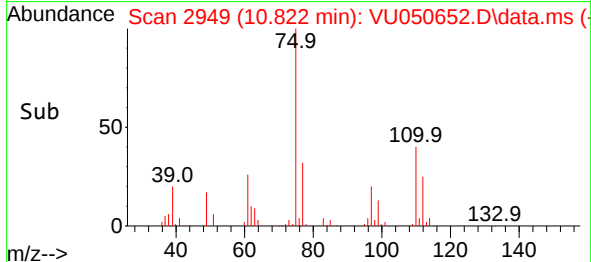
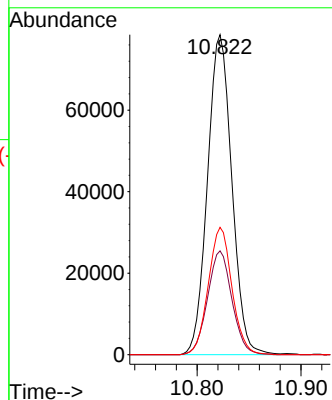
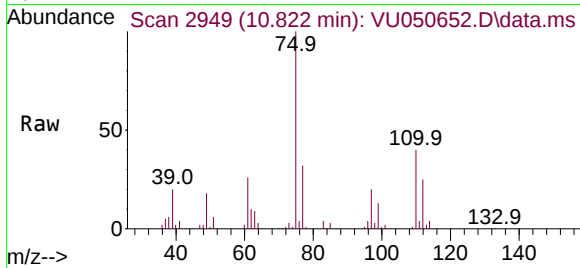




#60
1,2,3-Trichloropropane
Concen: 50.858 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

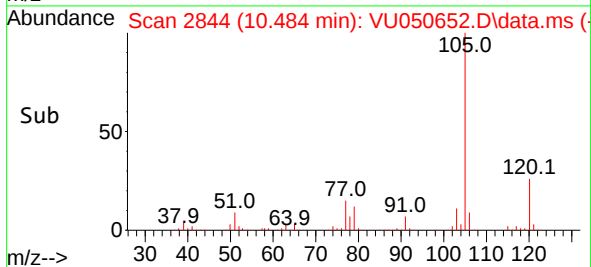
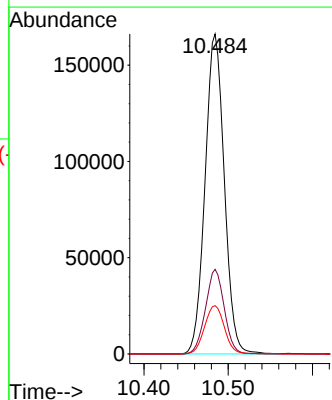
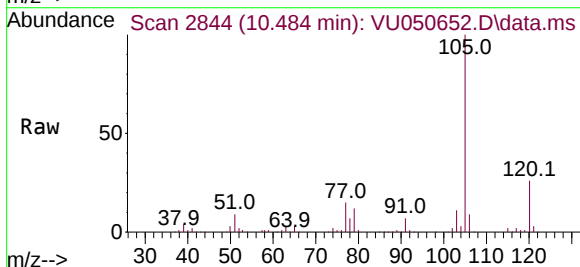
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

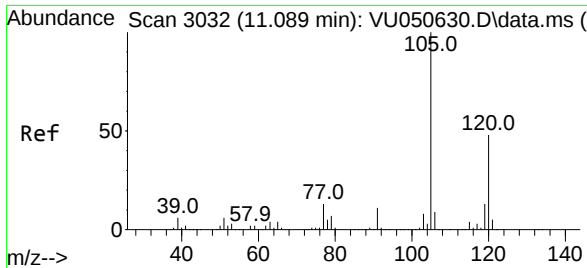
Tgt Ion: 75 Resp: 127753
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.8
110 38.7 29.3 43.9



#61
Isopropylbenzene
Concen: 38.992 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Tgt Ion: 105 Resp: 264239
Ion Ratio Lower Upper
105 100
120 25.8 20.4 30.6
77 15.6 12.8 19.2

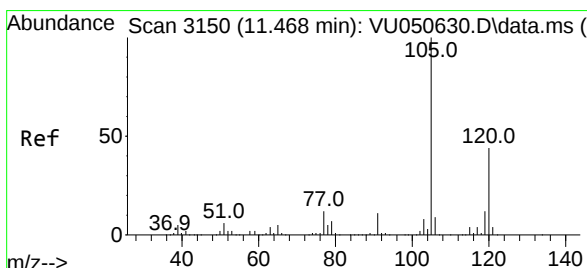
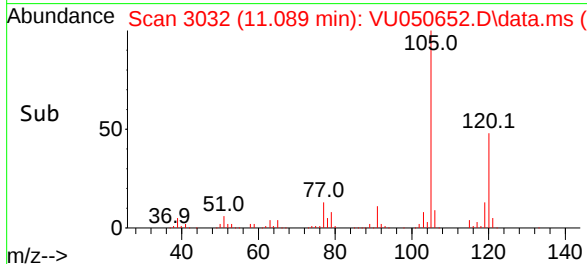
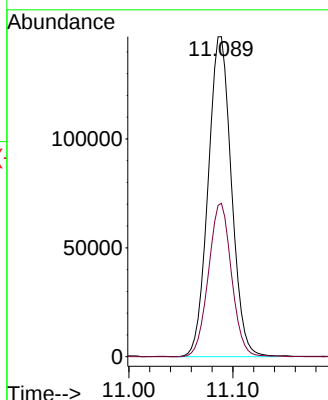
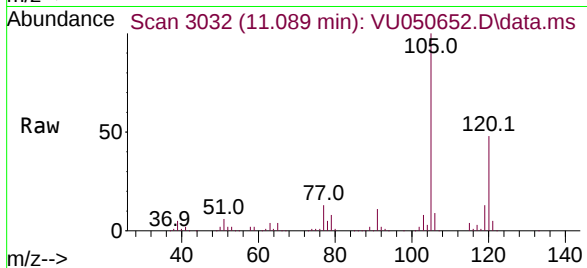




#62
 1,3,5-Trimethylbenzene
 Concen: 39.570 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU050652.D
 Acq: 06 Sep 2022 22:28

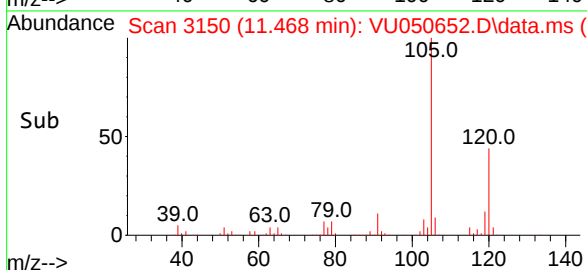
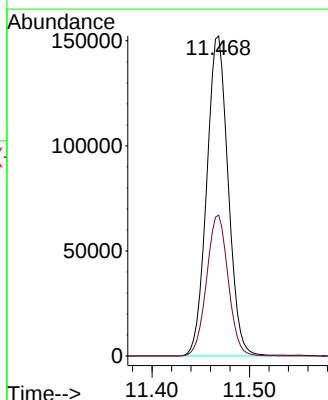
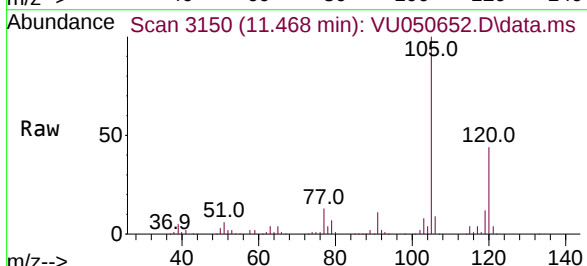
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050191

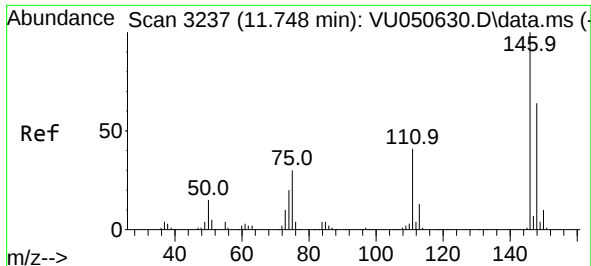
Tgt Ion:105 Resp: 229246
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 41.877 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU050652.D
 Acq: 06 Sep 2022 22:28

Tgt Ion:105 Resp: 232976
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.3 52.9

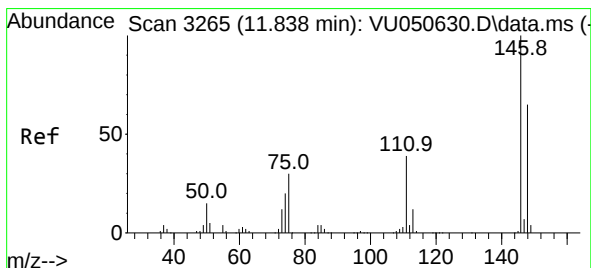
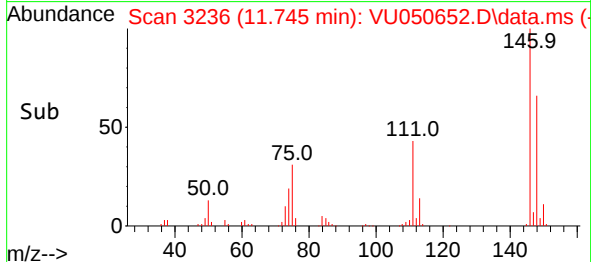
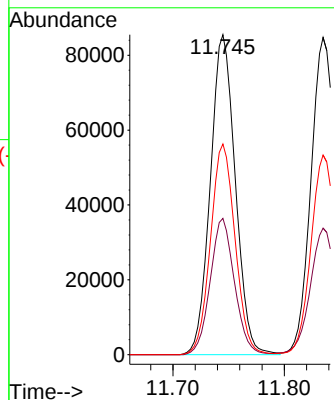
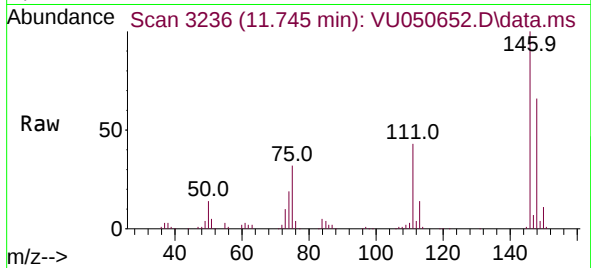




#64
 1,3-Dichlorobenzene
 Concen: 44.662 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU050652.D
 Acq: 06 Sep 2022 22:28

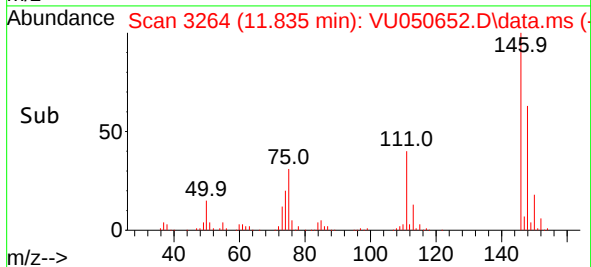
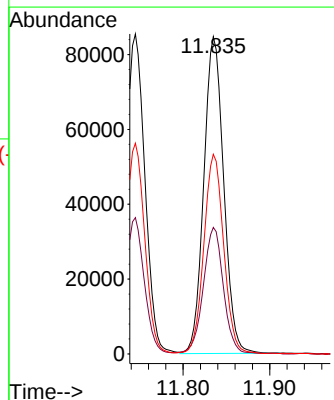
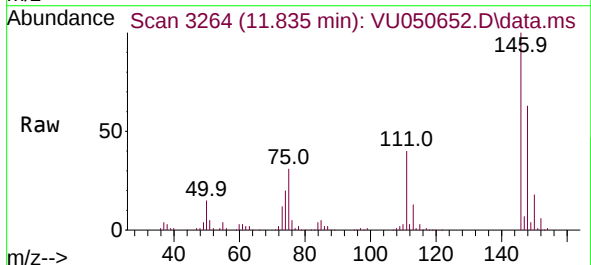
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050191

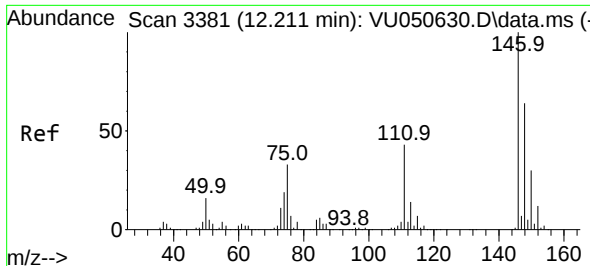
Tgt Ion:146 Resp: 133172
 Ion Ratio Lower Upper
 146 100
 111 42.6 29.9 55.5
 148 65.8 45.5 84.5



#65
 1,4-Dichlorobenzene
 Concen: 45.754 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.003 min
 Lab File: VU050652.D
 Acq: 06 Sep 2022 22:28

Tgt Ion:146 Resp: 134853
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.9 51.7
 148 62.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 47.156 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

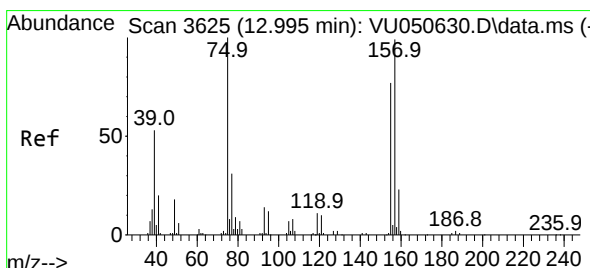
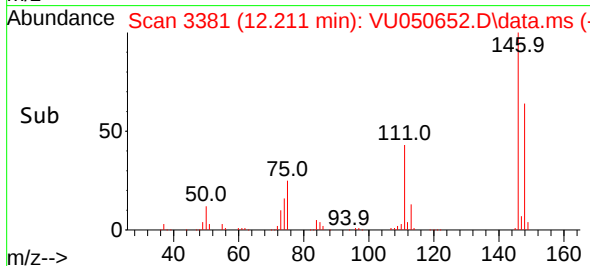
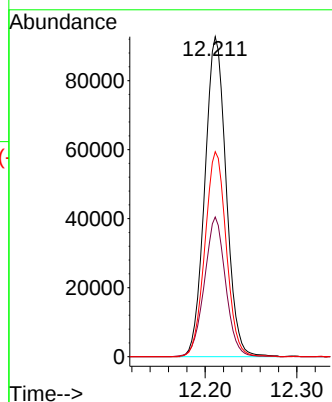
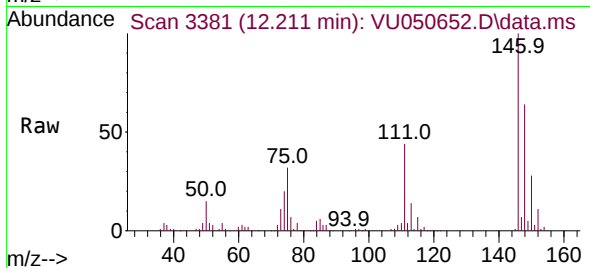
Tgt Ion:146 Resp: 149754

Ion Ratio Lower Upper

146 100

111 43.6 35.1 52.7

148 64.1 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 54.521 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050652.D

Acq: 06 Sep 2022 22:28

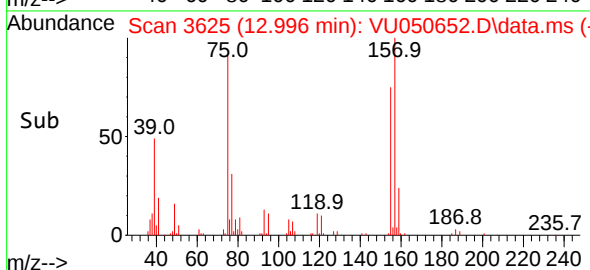
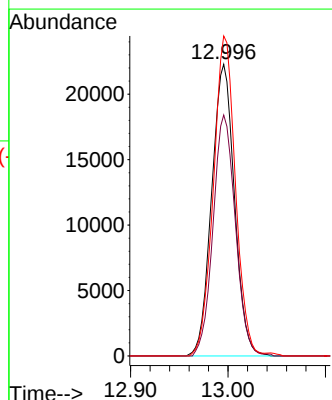
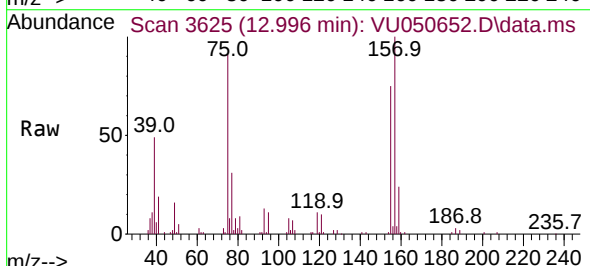
Tgt Ion: 75 Resp: 36167

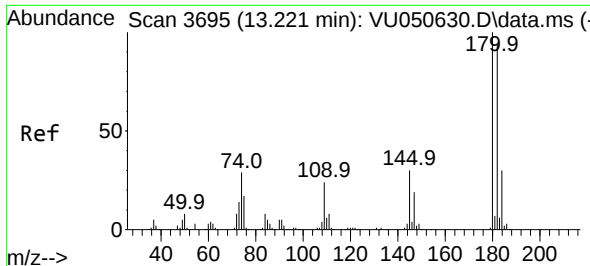
Ion Ratio Lower Upper

75 100

155 82.6 67.8 101.6

157 109.7 82.6 124.0

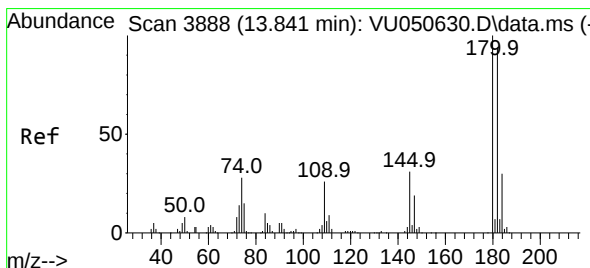
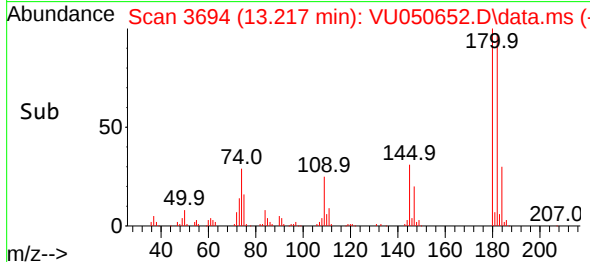
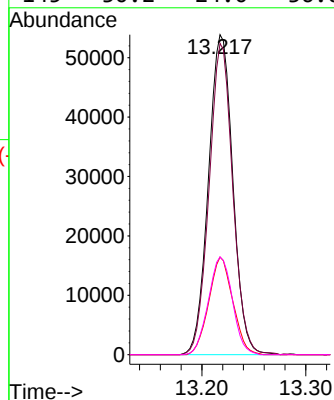
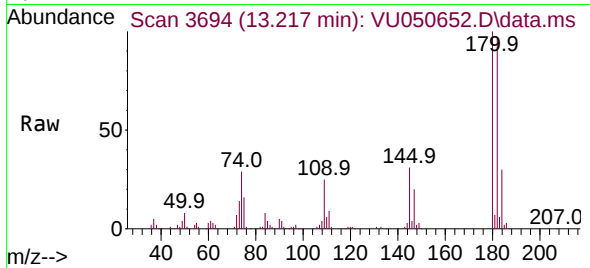




#69
 1,3,5-Trichlorobenzene
 Concen: 40.458 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.003 min
 Lab File: VU050652.D
 Acq: 06 Sep 2022 22:28

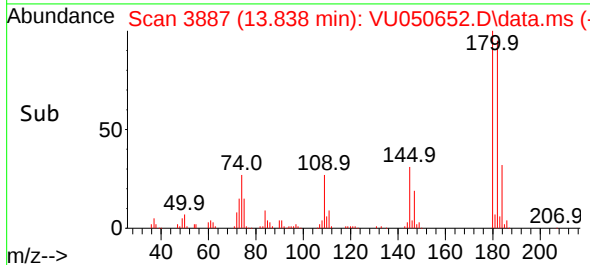
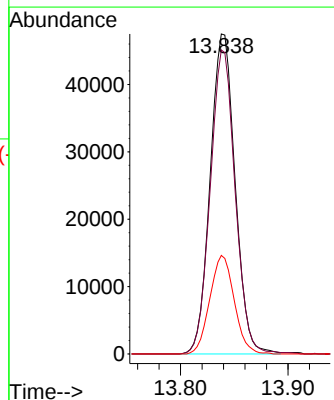
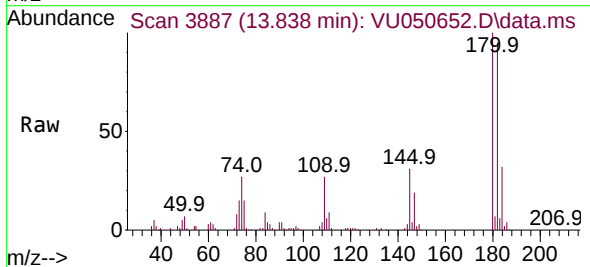
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050191

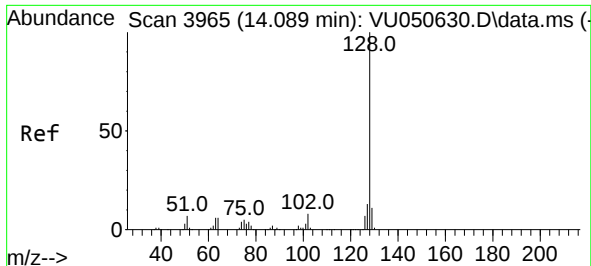
Tgt Ion:180	Resp:	87548
Ion Ratio	Lower	Upper
180	100	
182	94.4	75.3 112.9
184	30.1	23.8 35.8
145	30.2	24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 41.561 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.003 min
 Lab File: VU050652.D
 Acq: 06 Sep 2022 22:28

Tgt Ion:180	Resp:	76367
Ion Ratio	Lower	Upper
180	100	
182	94.9	76.2 114.2
145	30.1	24.7 37.1

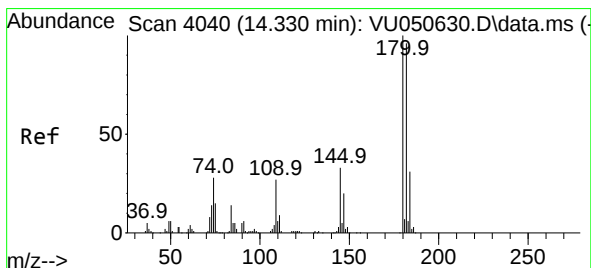
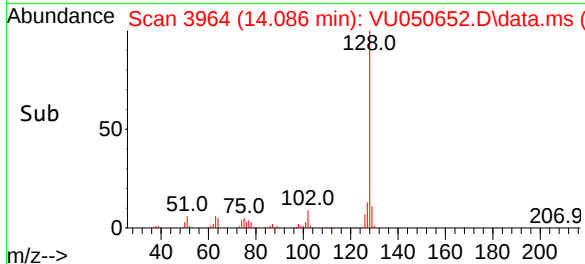
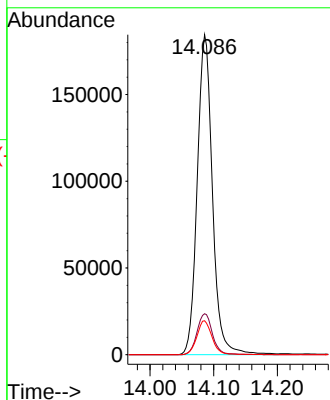
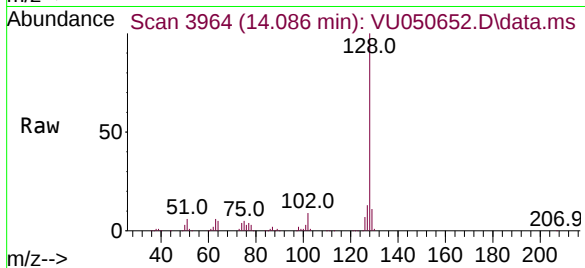




#71
Naphthalene
Concen: 47.055 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

Tgt Ion:128 Resp: 306549
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.5 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 46.198 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050652.D
Acq: 06 Sep 2022 22:28

Tgt Ion:180 Resp: 91924
Ion Ratio Lower Upper
180 100
182 93.2 76.1 114.1
145 31.7 26.4 39.6

