

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
 Data File : VU046708.D
 Acq On : 08 Jan 2022 16:01
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

Quant Time: Jan 10 00:41:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jan 10 00:25:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	75736	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	80021	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	48420	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	25655	4.300	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.919	69	22399	4.768	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.575	65	10966	4.359	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.655	46	108255	62.561	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.120%
24) Chloroform-d	5.070	84	56569	5.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.706	65	32730	5.238	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.732	84	105128	4.713	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.690	67	32662	4.873	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.899	98	97668	4.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.182	79	15189	4.899	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.639	63	98912	54.344	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	36664	5.329	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	40457	4.536	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	49950	4.310	ug/L	99
3) Chloromethane	1.523	50	36758	3.683	ug/L	100
5) Vinyl chloride	1.607	62	39166	3.986	ug/L	100
6) Bromomethane	1.864	94	22828	3.860	ug/L	98
8) Chloroethane	1.941	64	24719	4.285	ug/L	96
9) Trichlorofluoromethane	2.144	101	61930	4.819	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	35541	5.432	ug/L	97
12) 1,1-Dichloroethene	2.588	96	30343	4.555	ug/L	# 77
13) Acetone	2.684	43	79655	49.099	ug/L	58
14) Carbon disulfide	2.800	76	68520	3.149	ug/L	100
15) Methyl Acetate	2.970	43	18898	5.767	ug/L	94
16) Methylene chloride	3.051	84	46692	5.760	ug/L	91
17) Methyl tert-butyl Ether	3.369	73	99733	5.132	ug/L	98
18) trans-1,2-Dichloroethene	3.359	96	32065	4.512	ug/L	95
19) 1,1-Dichloroethane	3.877	63	63744	4.868	ug/L	98
21) 2-Butanone	4.739	43	133463	54.223	ug/L	92
22) cis-1,2-Dichloroethene	4.671	96	38078	4.902	ug/L	98
23) Bromochloromethane	4.980	128	19740	5.105	ug/L	88
25) Chloroform	5.092	83	72499	5.126	ug/L	94

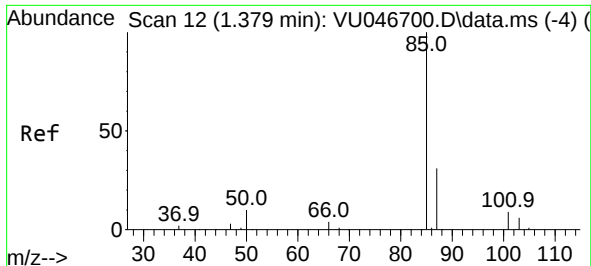
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	48292	4.783	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	61936	4.681	ug/L	97
30) Cyclohexane	5.394	56	43871	4.008	ug/L	95
31) Carbon tetrachloride	5.530	117	50366	4.536	ug/L	99
33) Benzene	5.777	78	141954	4.465	ug/L	100
34) Trichloroethene	6.542	95	36780	4.388	ug/L	98
35) Methylcyclohexane	6.767	83	50800	4.299	ug/L	94
37) 1,2-Dichloropropane	6.793	63	39305	4.846	ug/L	99
38) Bromodichloromethane	7.108	83	54383	4.844	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	56822	4.628	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	317739	52.192	ug/L	95
42) Toluene	7.970	91	157020	4.811	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	54360	4.778	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	35740	5.110	ug/L	96
47) Tetrachloroethene	8.555	164	28256	4.764	ug/L	94
48) 2-Hexanone	8.690	43	234350	51.545	ug/L #	95
49) Dibromochloromethane	8.812	129	40190	4.982	ug/L	96
50) 1,2-Dibromoethane	8.925	107	33499	4.962	ug/L #	99
51) Chlorobenzene	9.449	112	104966	5.032	ug/L	98
52) Ethylbenzene	9.571	91	168972	5.002	ug/L	100
53) m,p-Xylene	9.693	106	67500	5.216	ug/L	96
54) o-Xylene	10.102	106	65412	5.260	ug/L	96
55) Styrene	10.115	104	119448	5.538	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	49433	5.409	ug/L	94
59) Bromoform	10.291	173	26261	4.694	ug/L	98
60) Isopropylbenzene	10.484	105	176926	4.738	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	36403	4.527	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	144056	4.639	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	152649	4.881	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	92289	5.084	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	94892	5.107	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	90896	4.992	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	7958	4.275	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	72474	5.275	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	61667	5.300	ug/L	100
71) Naphthalene	14.085	128	126012	4.876	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	60616	5.262	ug/L	98

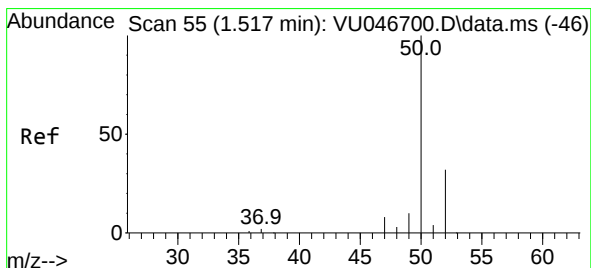
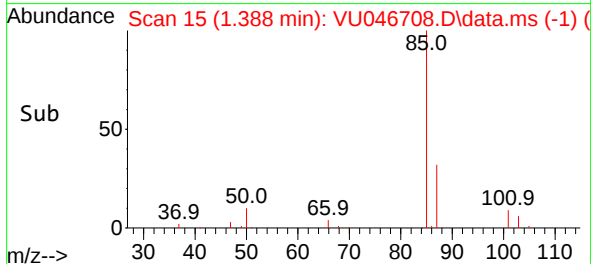
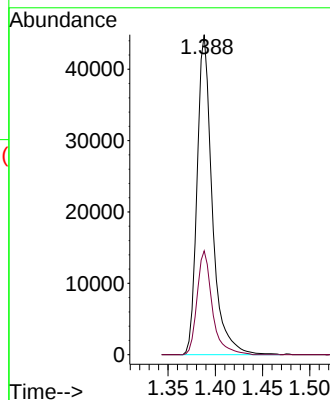
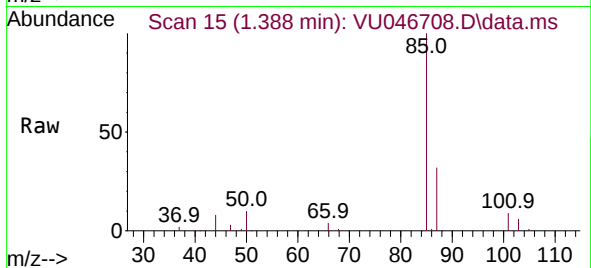
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.310 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

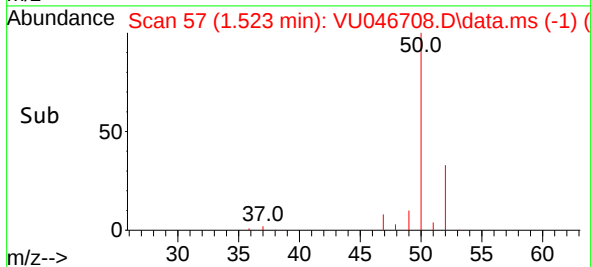
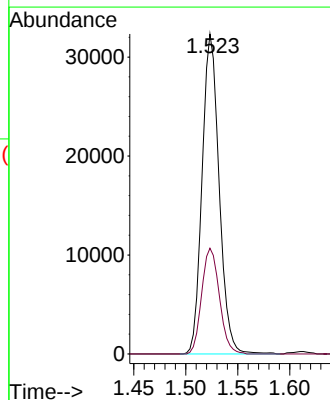
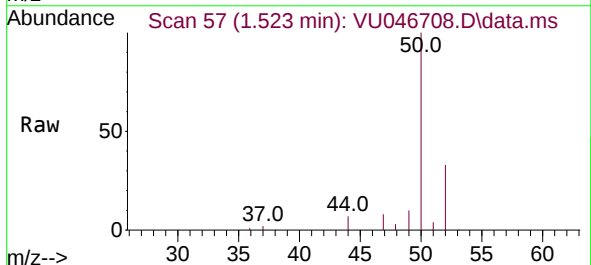
Instrument :
MSVOA_U
ClientSampleId :
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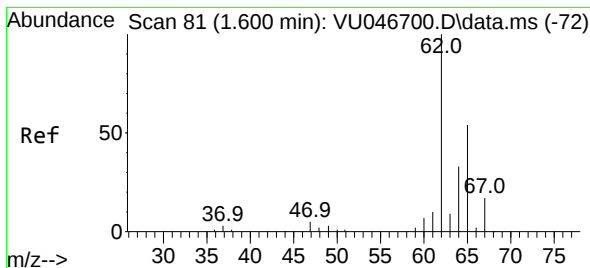
Tgt Ion: 85 Resp: 49950
Ion Ratio Lower Upper
85 100
87 32.5 25.8 38.6



#3
Chloromethane
Concen: 3.683 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.006 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 50 Resp: 36758
Ion Ratio Lower Upper
50 100
52 33.1 23.0 42.8





#5

Vinyl chloride

Concen: 3.986 ug/L

RT: 1.607 min Scan# 81

Delta R.T. 0.006 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

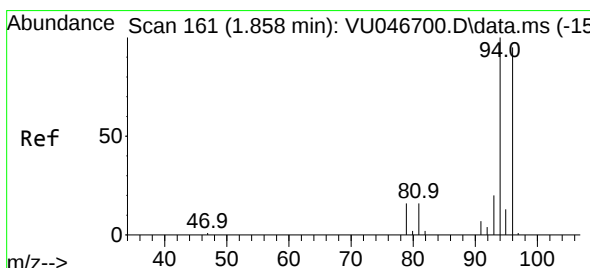
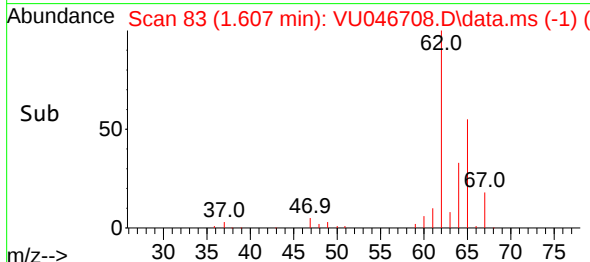
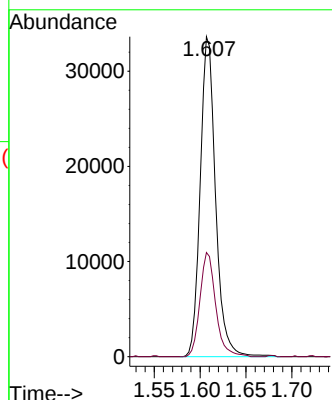
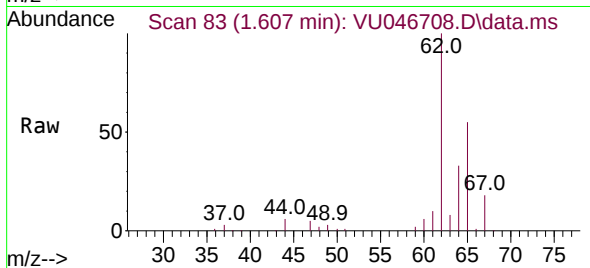
VSTD005145

Tgt Ion: 62 Resp: 39166

Ion Ratio Lower Upper

62 100

64 32.6 22.9 42.5



#6

Bromomethane

Concen: 3.860 ug/L

RT: 1.864 min Scan# 163

Delta R.T. 0.006 min

Lab File: VU046708.D

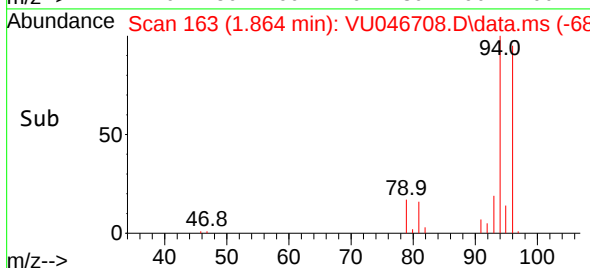
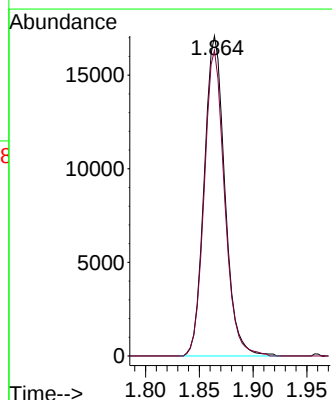
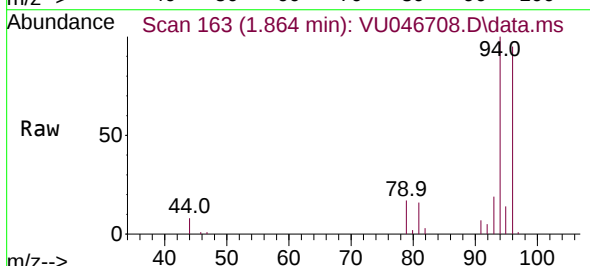
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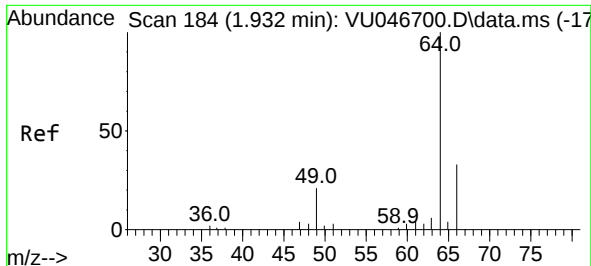
Tgt Ion: 94 Resp: 22828

Ion Ratio Lower Upper

94 100

96 95.5 65.5 121.6

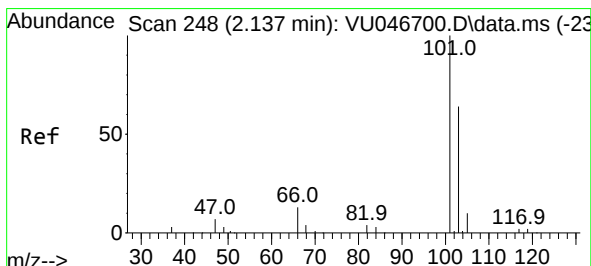
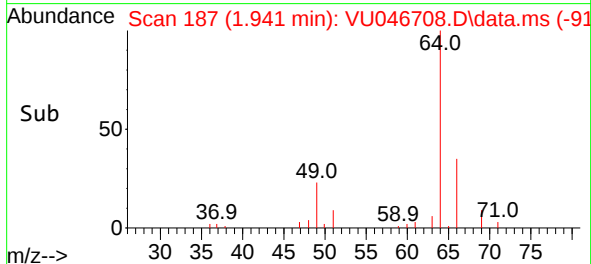
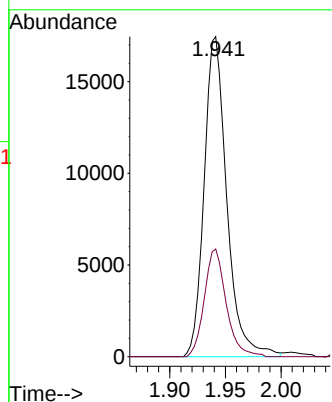
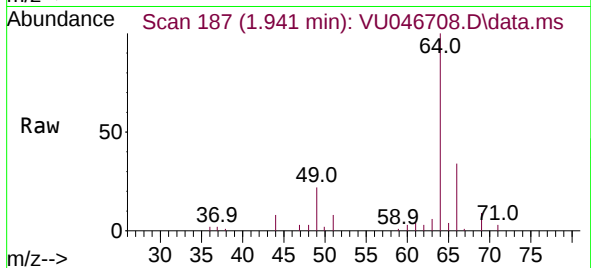




#8
Chloroethane
Concen: 4.285 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

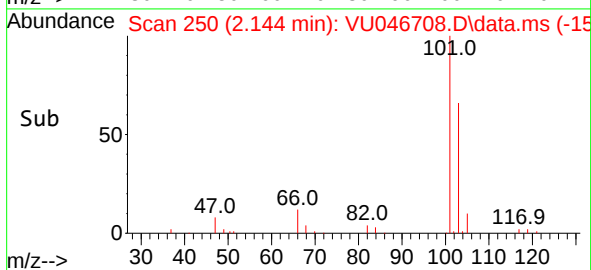
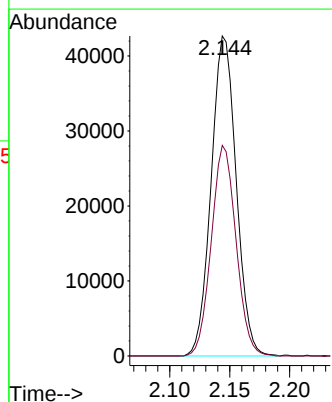
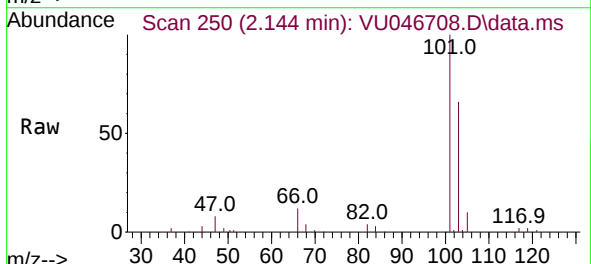
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

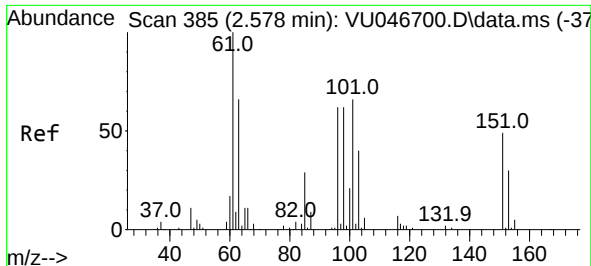
Tgt Ion: 64 Resp: 24719
Ion Ratio Lower Upper
64 100
66 33.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.819 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.006 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion:101 Resp: 61930
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3

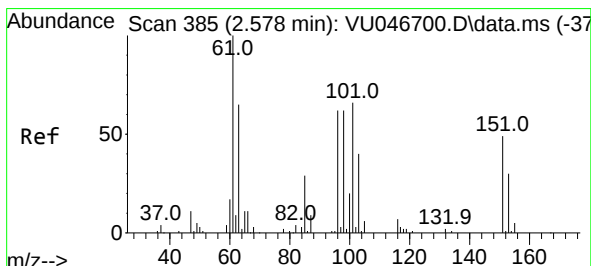
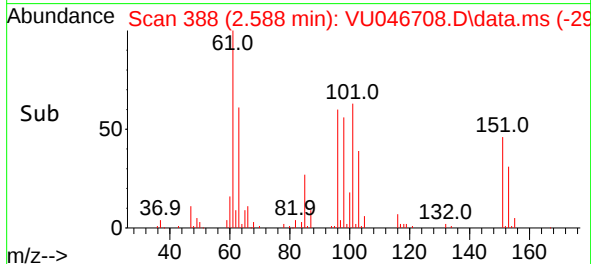
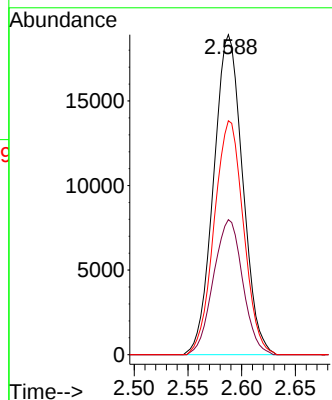
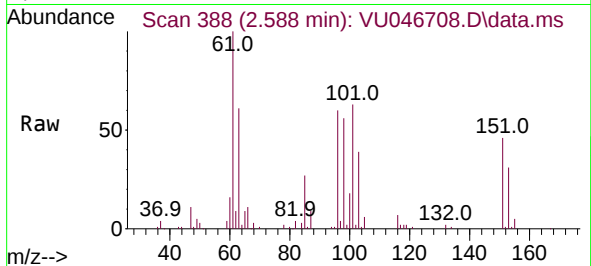




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.432 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.010 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

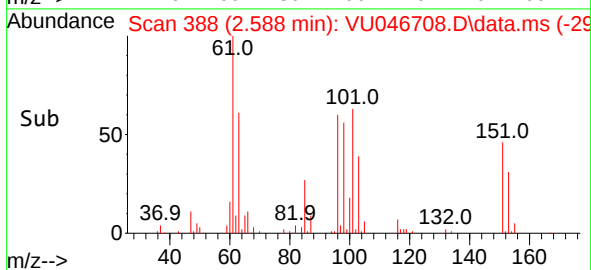
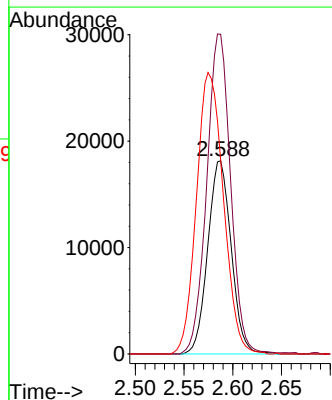
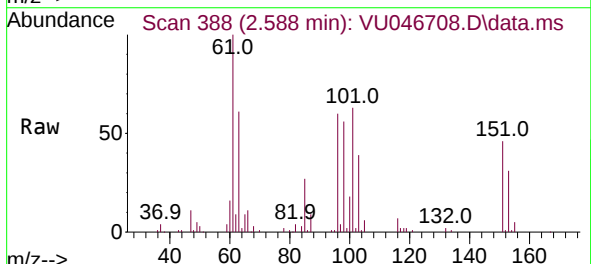
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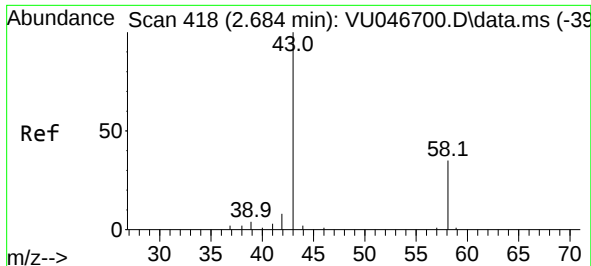
Tgt Ion:101 Resp: 35541
Ion Ratio Lower Upper
101 100
85 42.6 34.6 51.8
151 73.9 56.1 84.1



#12
1,1-Dichloroethene
Concen: 4.555 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.010 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 96 Resp: 30343
Ion Ratio Lower Upper
96 100
61 165.4 124.7 231.5
63 100.2 105.2 195.4#

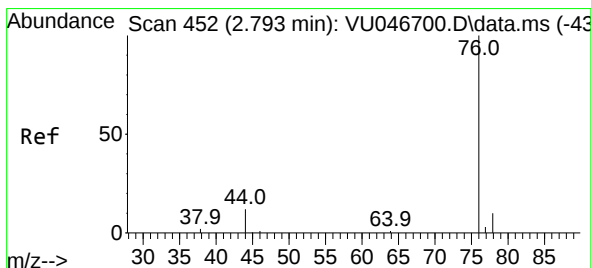
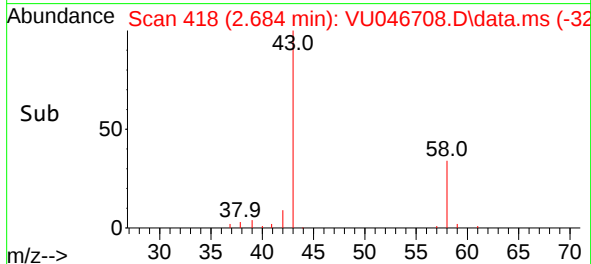
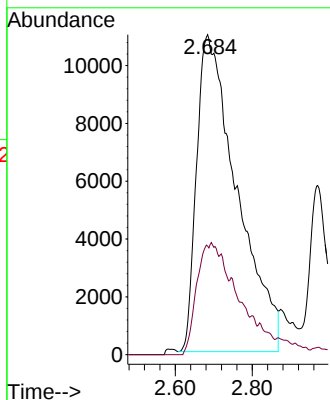
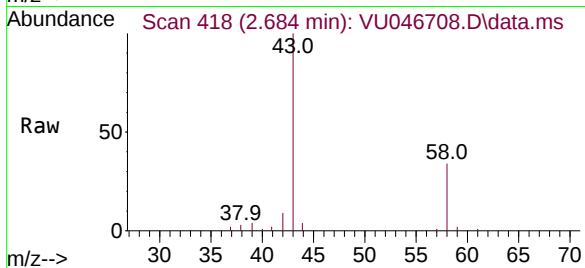




#13
Acetone
Concen: 49.099 ug/L
RT: 2.684 min Scan# 418
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

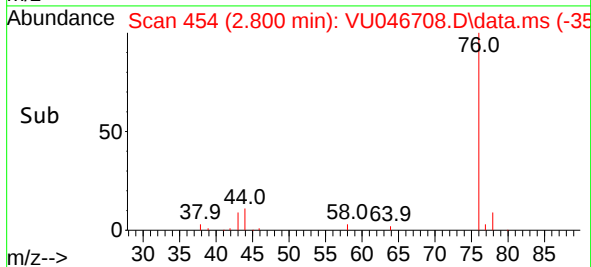
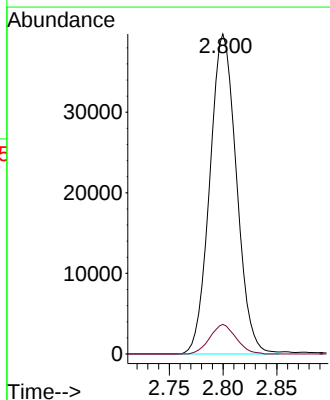
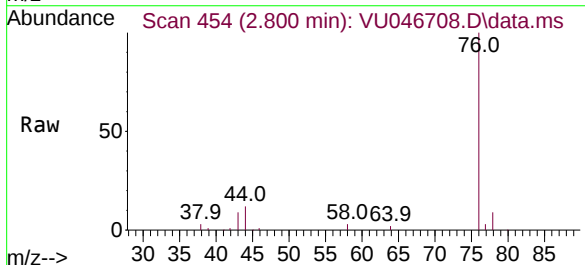
Instrument :
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ClientSampleId :
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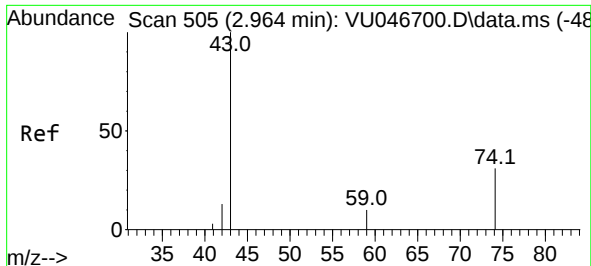
Tgt Ion: 43 Resp: 79655
Ion Ratio Lower Upper
43 100
58 11.0 0.0 71.6



#14
Carbon disulfide
Concen: 3.149 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.006 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 76 Resp: 68520
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3

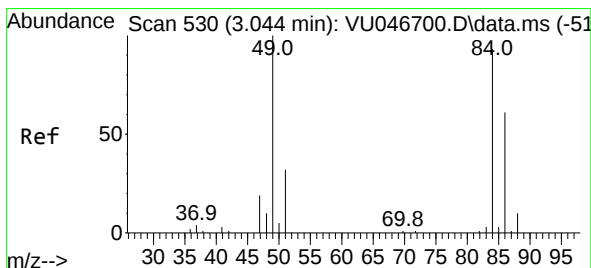
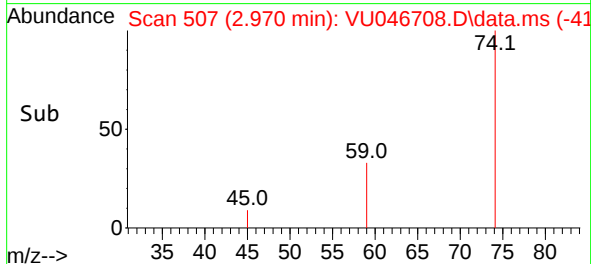
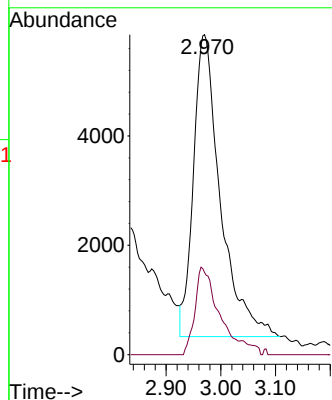
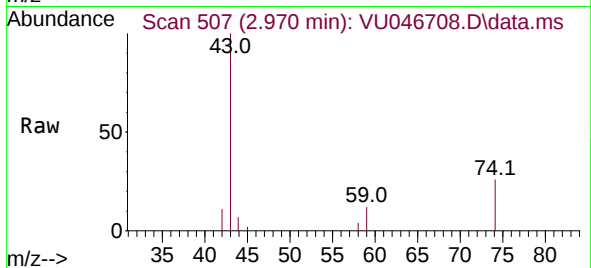




#15
Methyl Acetate
Concen: 5.767 ug/L
RT: 2.970 min Scan# 505
Delta R.T. 0.006 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

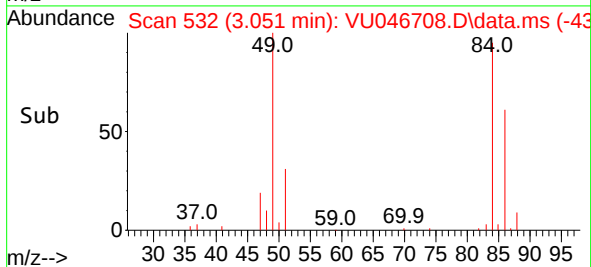
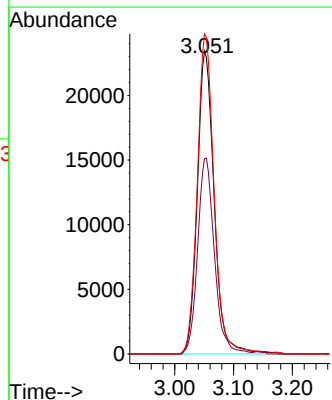
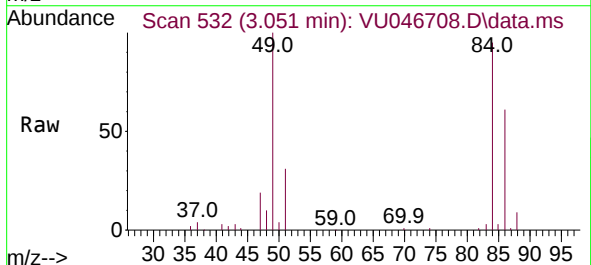
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

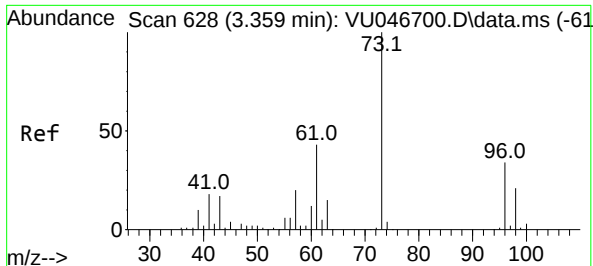
Tgt Ion: 43 Resp: 18898
Ion Ratio Lower Upper
43 100
74 27.0 19.1 28.7



#16
Methylene chloride
Concen: 5.760 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.006 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 84 Resp: 46692
Ion Ratio Lower Upper
84 100
86 64.5 45.8 85.0
49 105.6 84.5 156.9





#17

Methyl tert-butyl Ether

Concen: 5.132 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.010 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

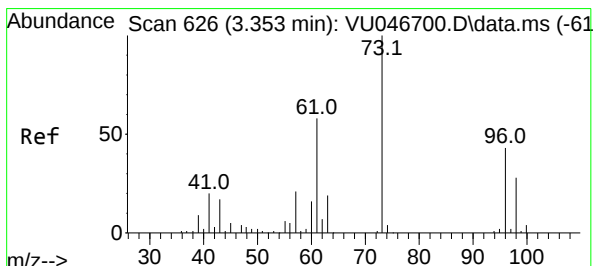
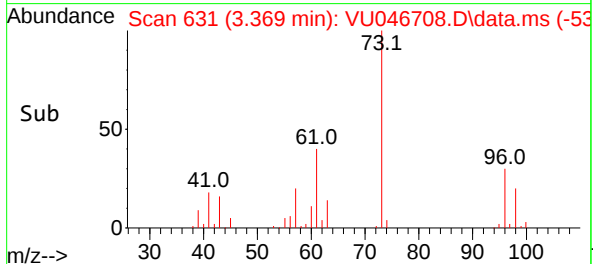
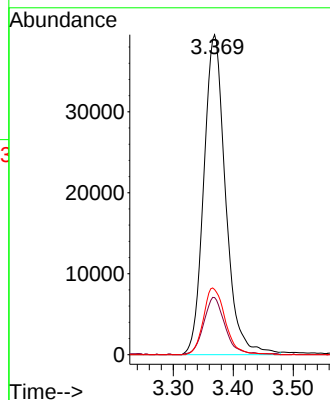
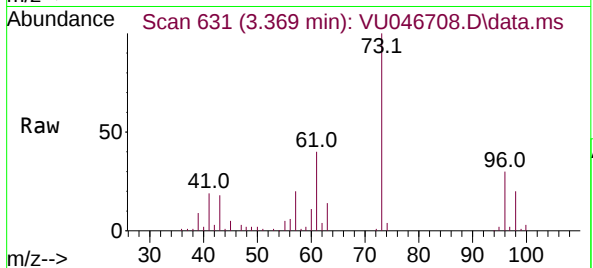
Tgt Ion: 73 Resp: 99733

Ion Ratio Lower Upper

73 100

43 17.4 14.8 22.2

57 20.9 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 4.512 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.006 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

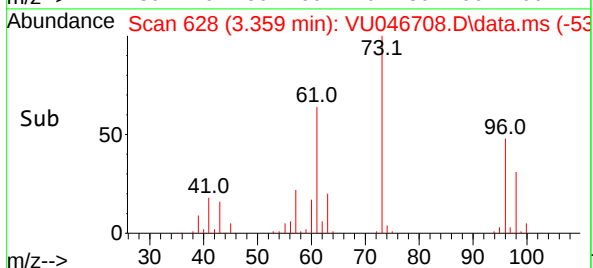
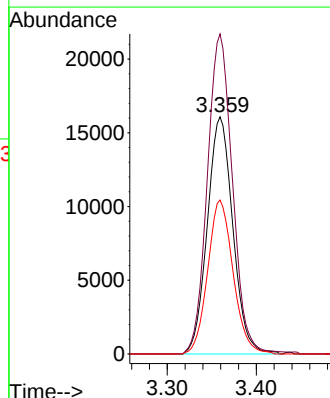
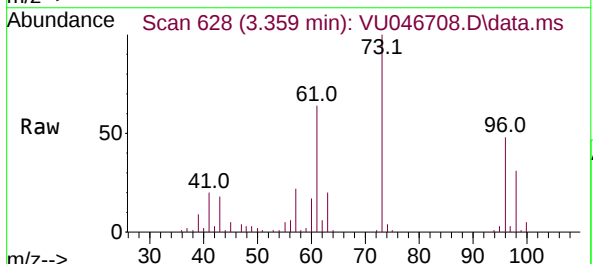
Tgt Ion: 96 Resp: 32065

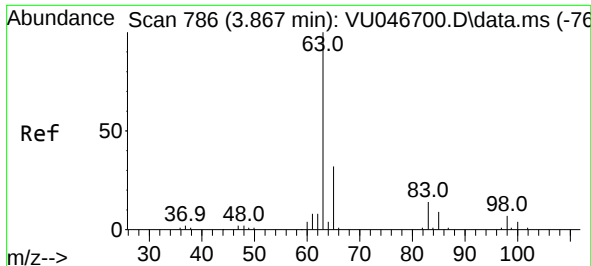
Ion Ratio Lower Upper

96 100

61 135.0 100.8 187.2

98 64.9 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.868 ug/L

RT: 3.877 min Scan# 786

Delta R.T. 0.010 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

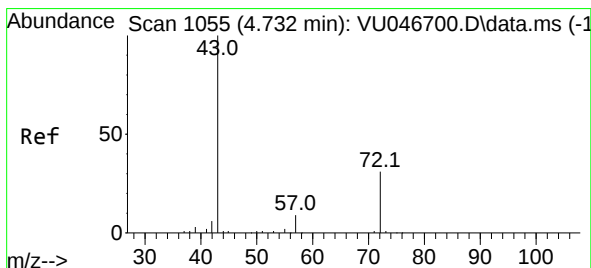
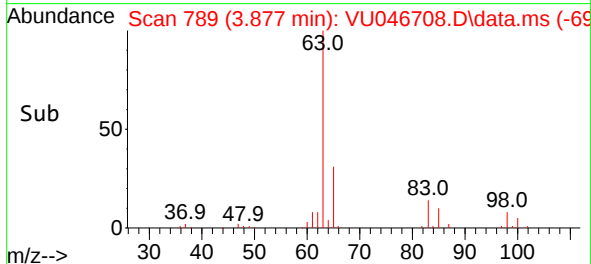
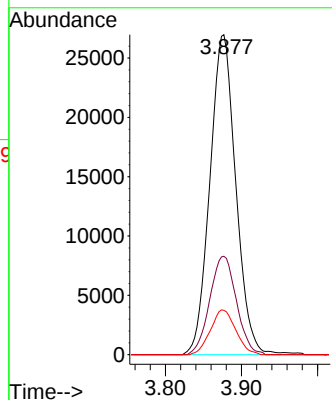
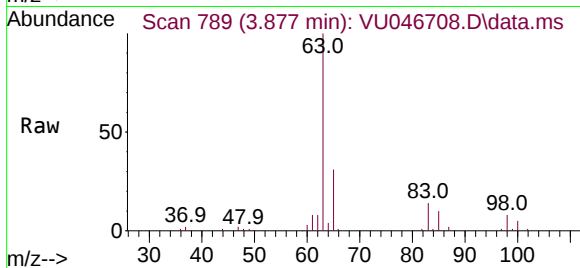
Tgt Ion: 63 Resp: 63744

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.5

83 13.8 9.6 17.8



#21

2-Butanone

Concen: 54.223 ug/L

RT: 4.739 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VU046708.D

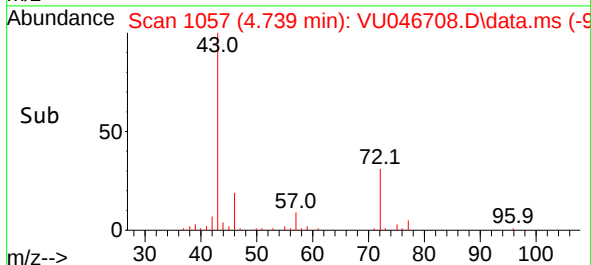
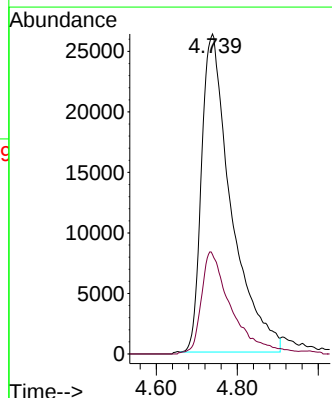
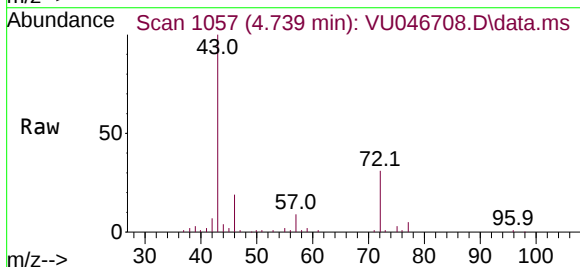
Acq: 08 Jan 2022 16:01

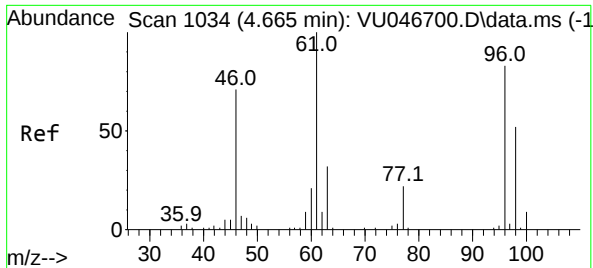
Tgt Ion: 43 Resp: 133463

Ion Ratio Lower Upper

43 100

72 32.6 14.1 42.3

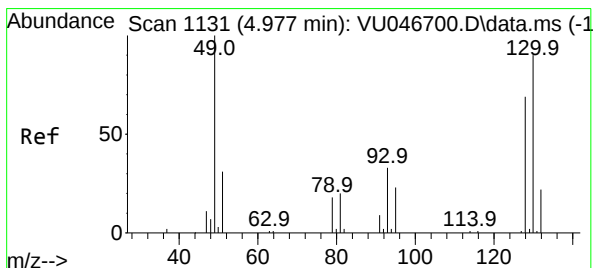
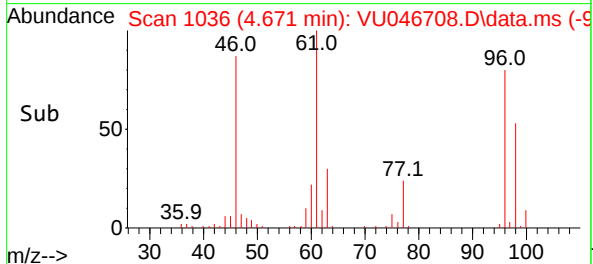
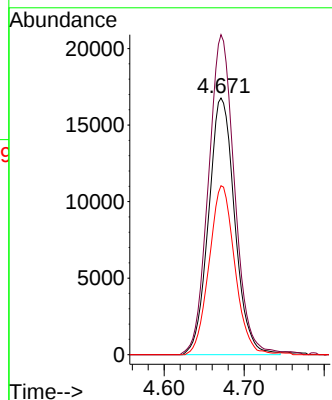
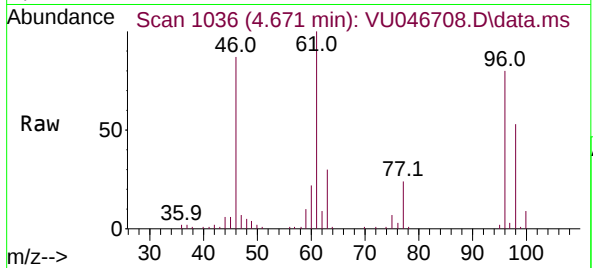




#22
 cis-1,2-Dichloroethene
 Concen: 4.902 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.006 min
 Lab File: VU046708.D
 Acq: 08 Jan 2022 16:01

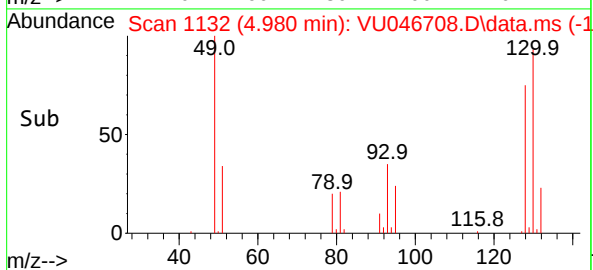
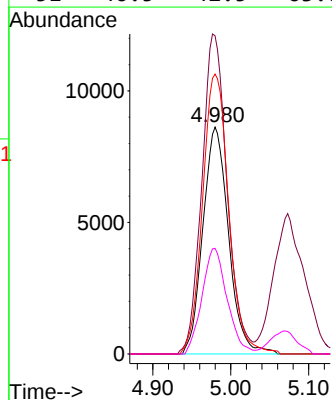
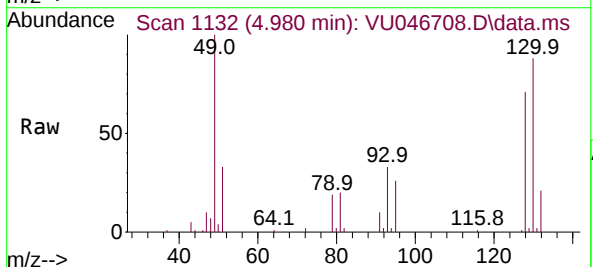
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

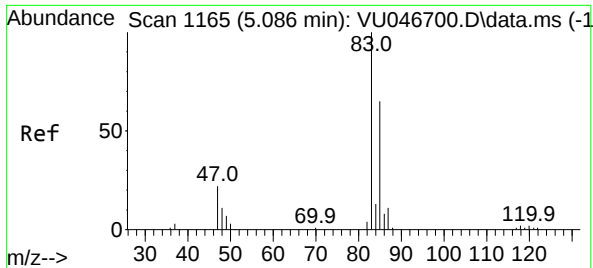
Tgt Ion: 96 Resp: 38078
 Ion Ratio Lower Upper
 96 100
 61 124.7 88.5 164.3
 98 65.8 44.4 82.5



#23
 Bromochloromethane
 Concen: 5.105 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. 0.003 min
 Lab File: VU046708.D
 Acq: 08 Jan 2022 16:01

Tgt Ion: 128 Resp: 19740
 Ion Ratio Lower Upper
 128 100
 49 140.2 117.0 217.2
 130 123.3 88.2 163.8
 51 46.5 42.5 63.7

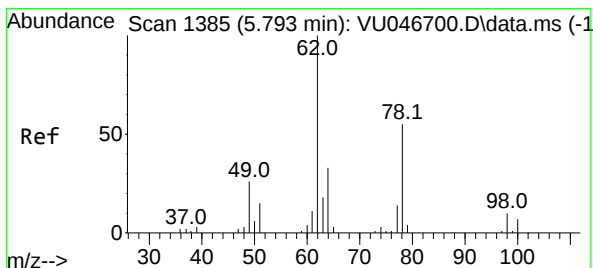
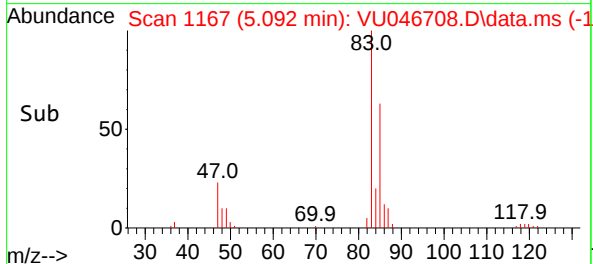
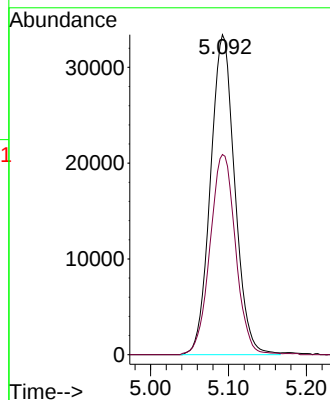
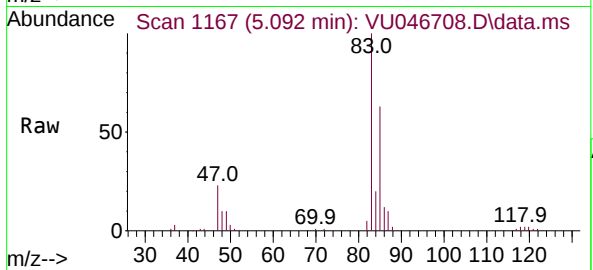




#25
Chloroform
Concen: 5.126 ug/L
RT: 5.092 min Scan# 1166
Delta R.T. 0.006 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

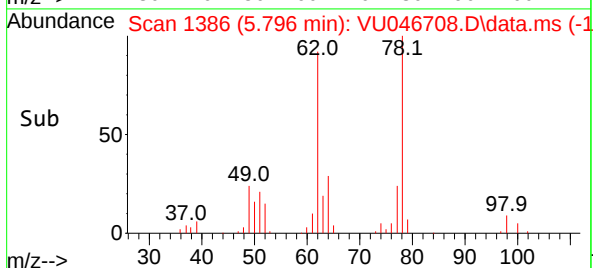
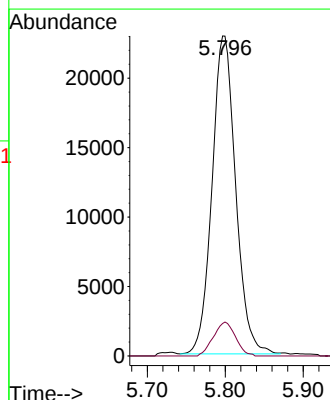
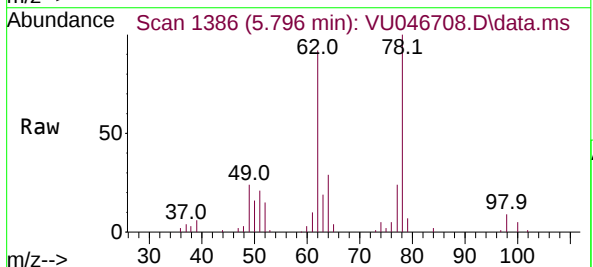
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

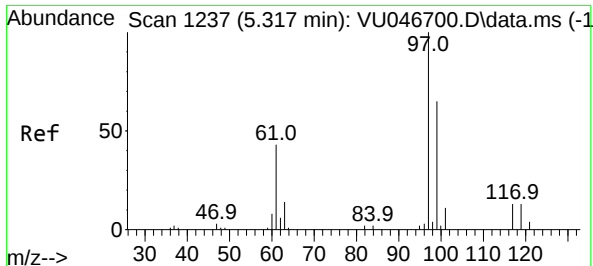
Tgt Ion: 83 Resp: 72499
Ion Ratio Lower Upper
83 100
85 62.6 46.9 87.1



#27
1,2-Dichloroethane
Concen: 4.783 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 62 Resp: 48292
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.681 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

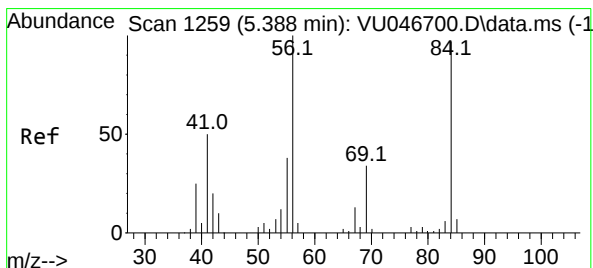
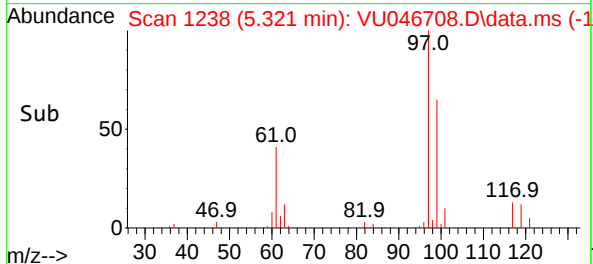
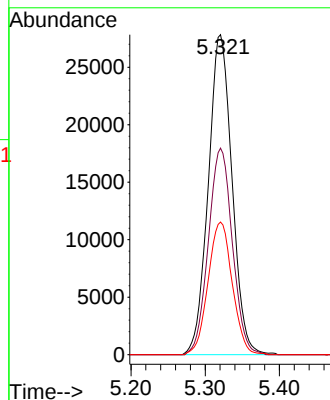
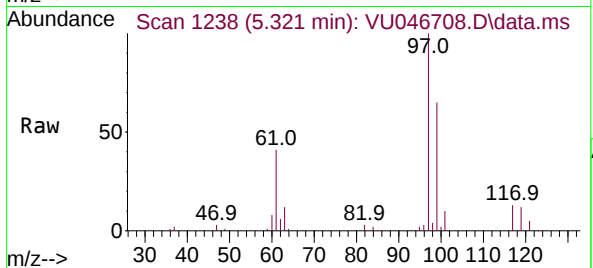
Tgt Ion: 97 Resp: 61936

Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

61 42.1 36.1 54.1



#30

Cyclohexane

Concen: 4.008 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. 0.006 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

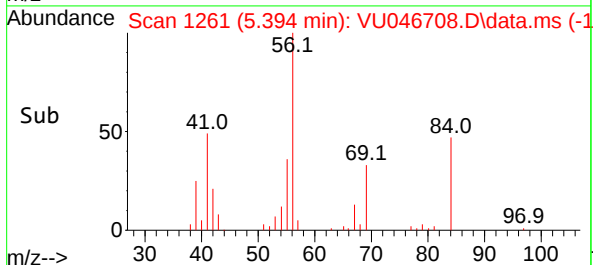
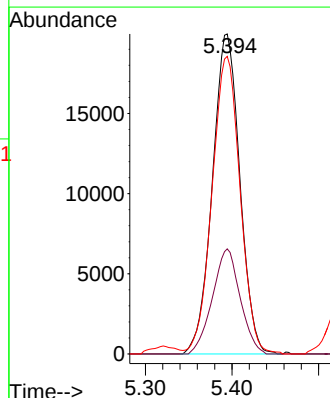
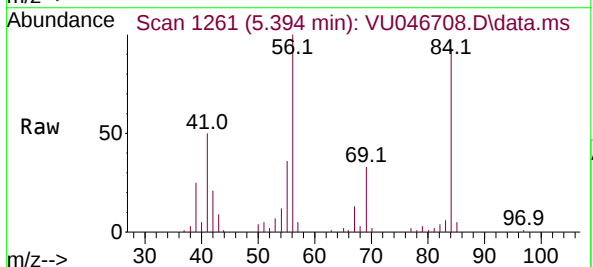
Tgt Ion: 56 Resp: 43871

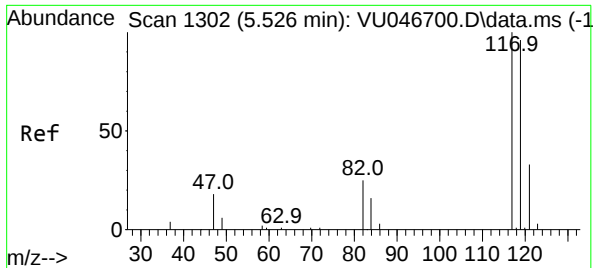
Ion Ratio Lower Upper

56 100

69 33.2 24.7 37.1

84 95.2 71.8 107.6

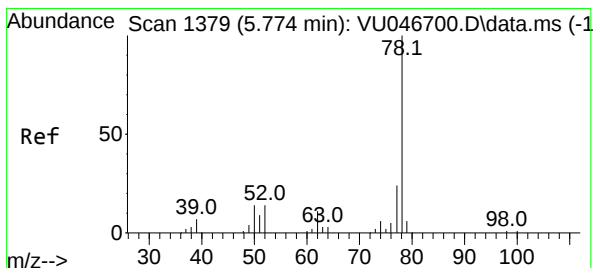
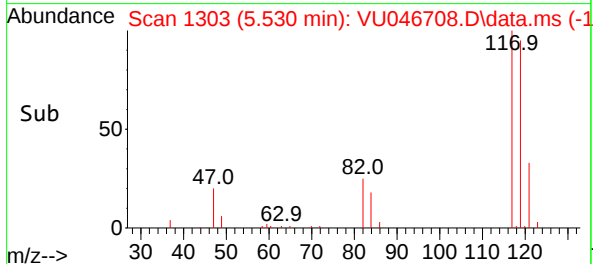
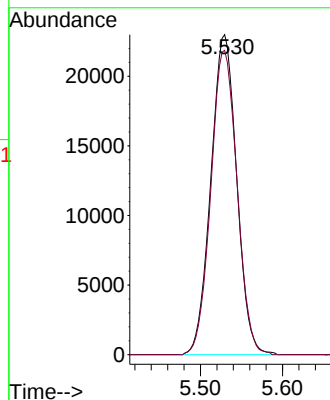
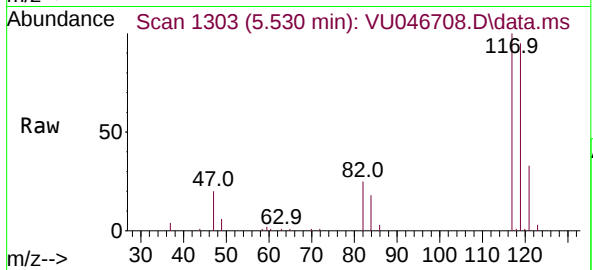




#31
Carbon tetrachloride
Concen: 4.536 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

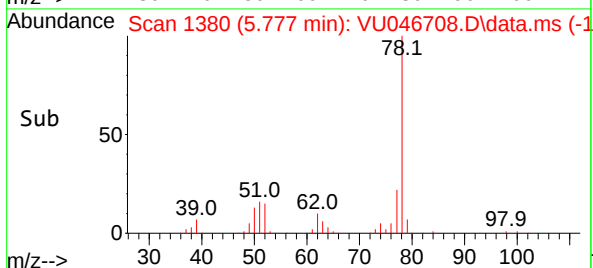
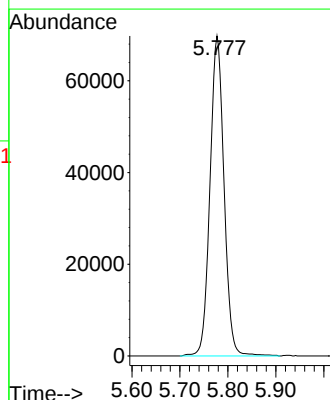
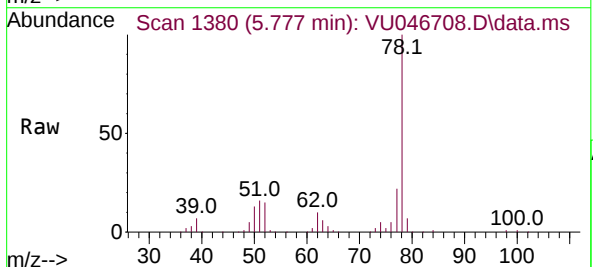
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

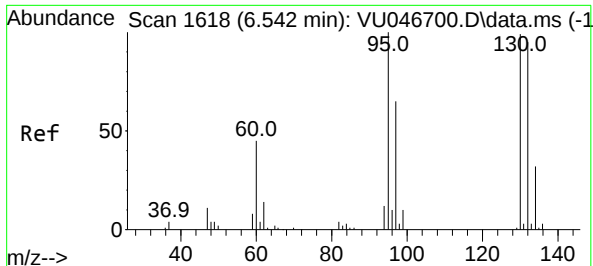
Tgt Ion:117 Resp: 50366
Ion Ratio Lower Upper
117 100
119 96.4 77.5 116.3



#33
Benzene
Concen: 4.465 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 78 Resp: 141954



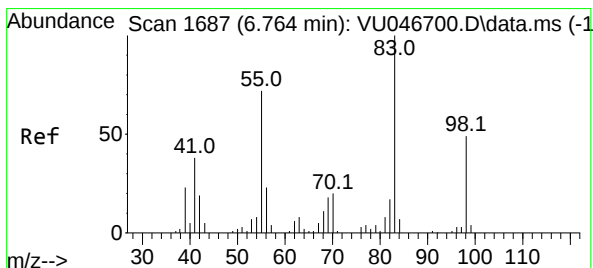
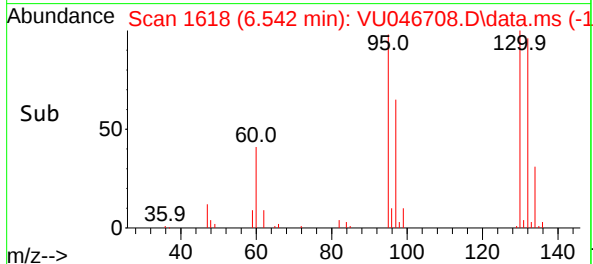
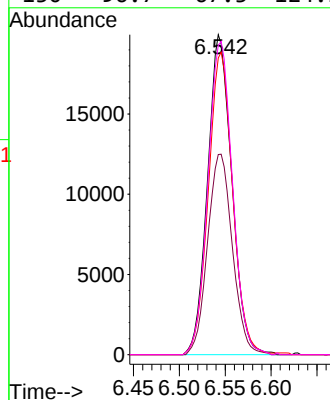
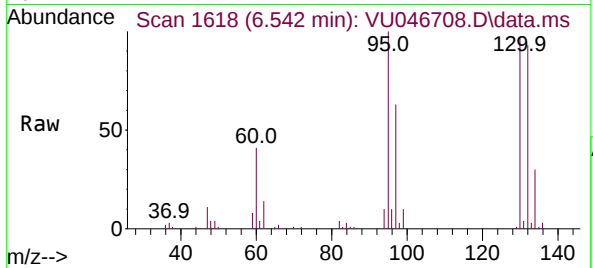


#34
Trichloroethene
Concen: 4.388 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

Tgt Ion: 95 Resp: 36780

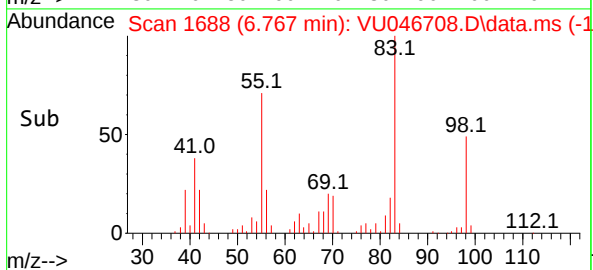
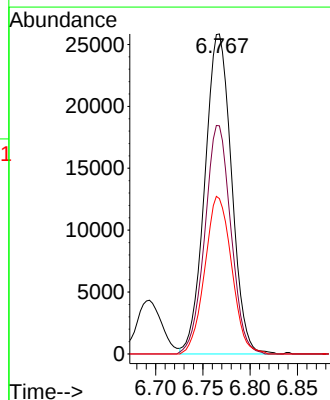
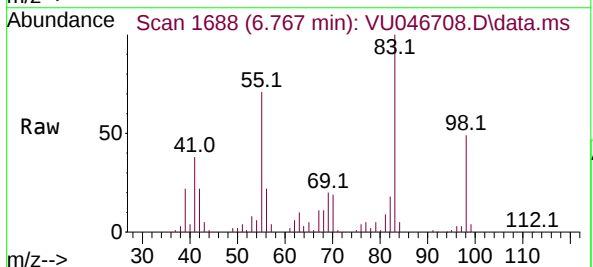
Ion	Ratio	Lower	Upper
95	100		
97	62.6	46.5	86.5
132	92.7	65.1	120.9
130	96.7	67.3	124.9

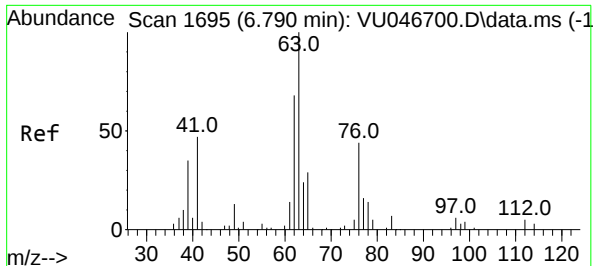


#35
Methylcyclohexane
Concen: 4.299 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 83 Resp: 50800

Ion	Ratio	Lower	Upper
83	100		
55	69.7	61.9	92.9
98	49.4	39.0	58.6





#37

1,2-Dichloropropane

Concen: 4.846 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

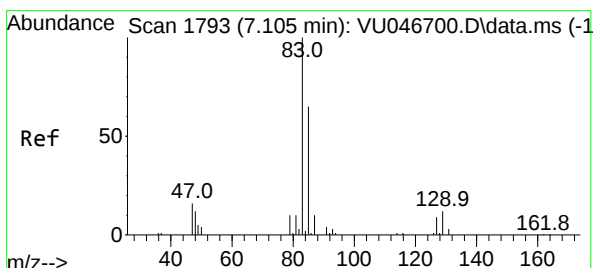
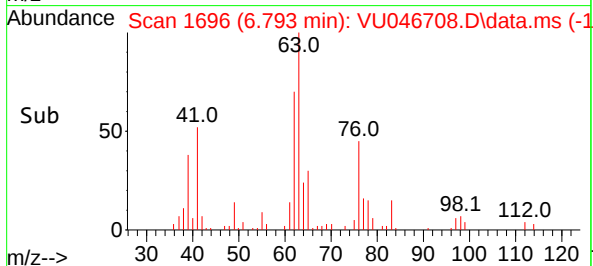
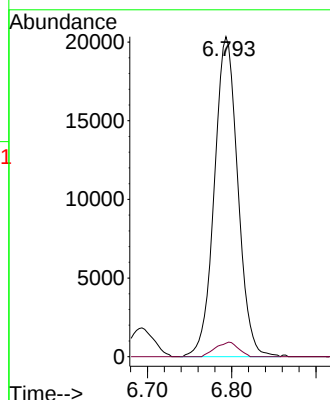
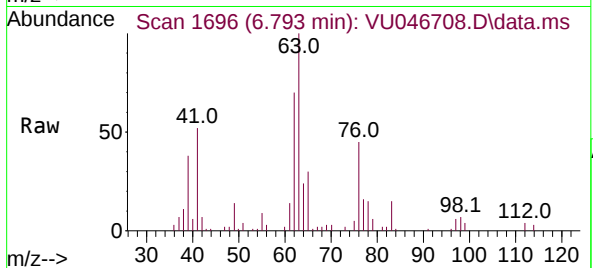
VSTD005145

Tgt Ion: 63 Resp: 39305

Ion Ratio Lower Upper

63 100

112 4.4 3.2 4.8



#38

Bromodichloromethane

Concen: 4.844 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

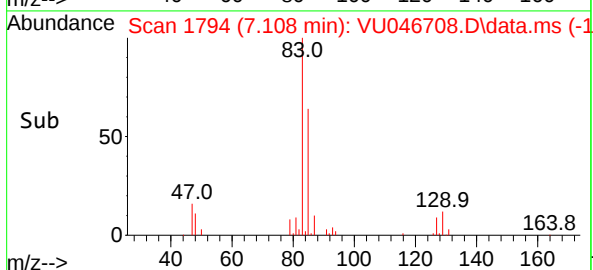
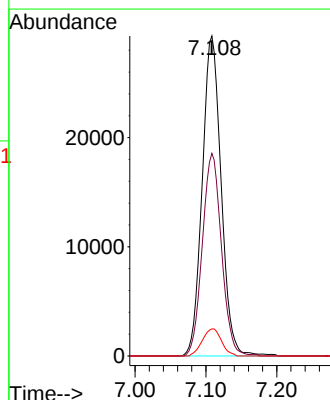
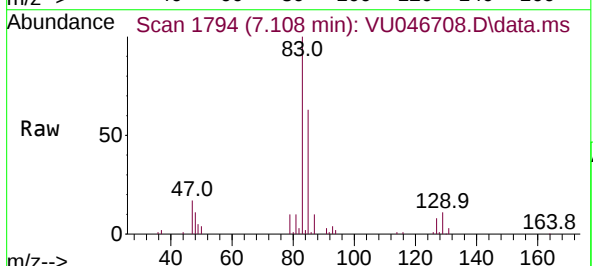
Tgt Ion: 83 Resp: 54383

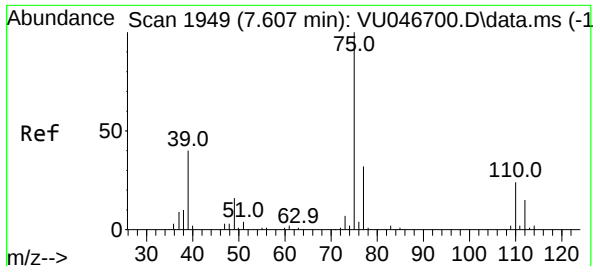
Ion Ratio Lower Upper

83 100

85 63.3 44.0 81.8

127 8.5 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.628 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

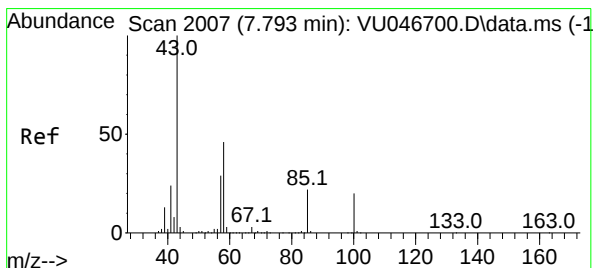
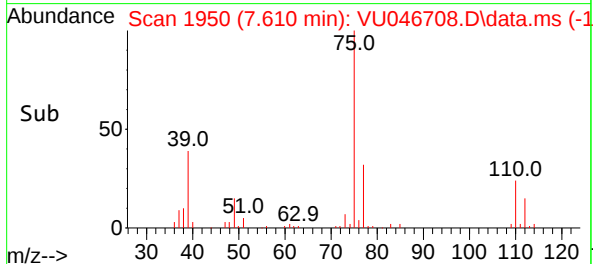
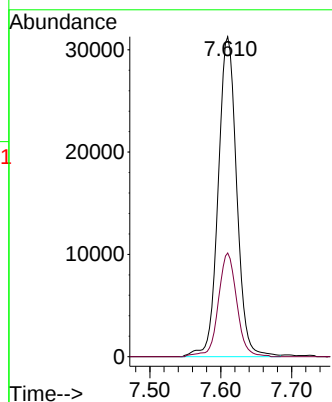
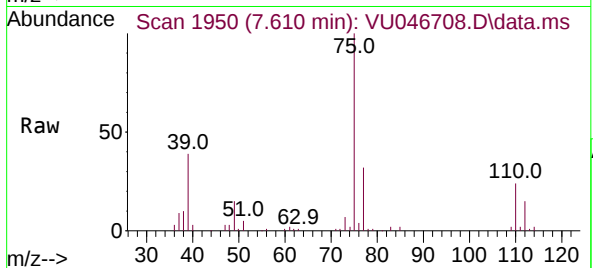
VSTD005145

Tgt Ion: 75 Resp: 56822

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 52.192 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

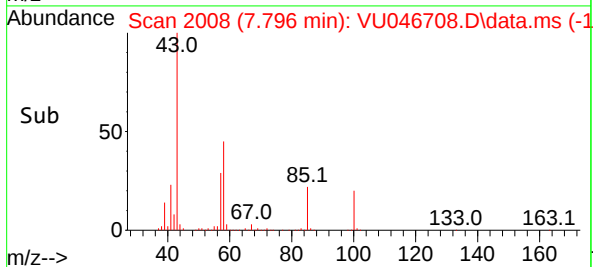
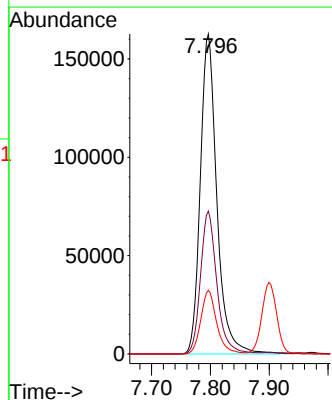
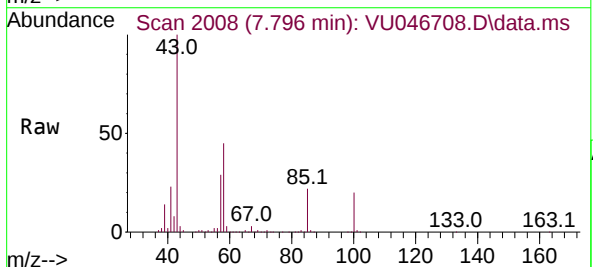
Tgt Ion: 43 Resp: 317739

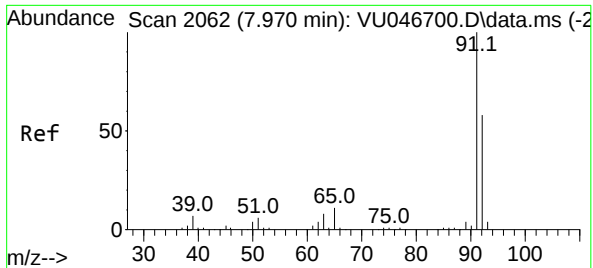
Ion Ratio Lower Upper

43 100

58 44.2 33.1 49.7

100 19.2 13.2 19.8

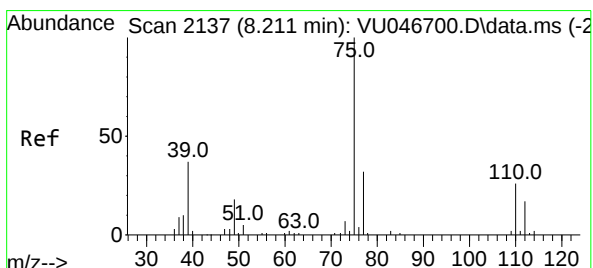
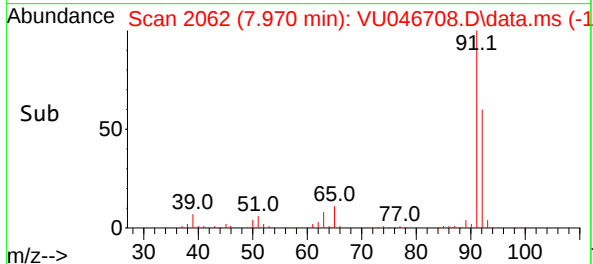
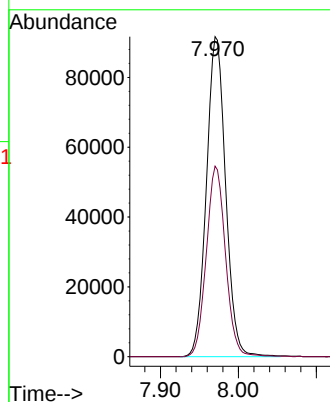
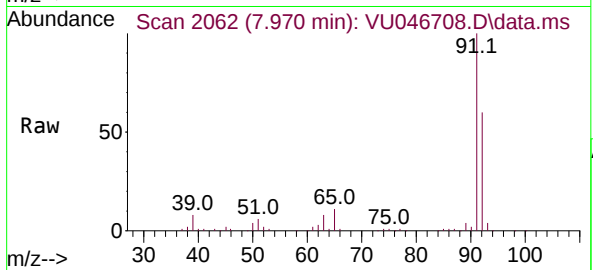




#42
Toluene
Concen: 4.811 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

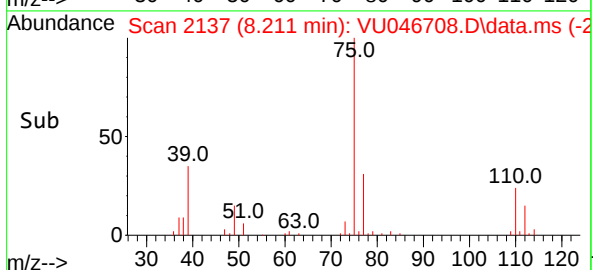
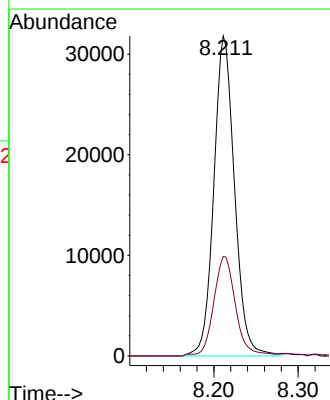
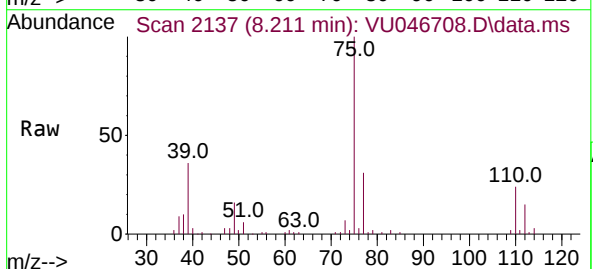
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

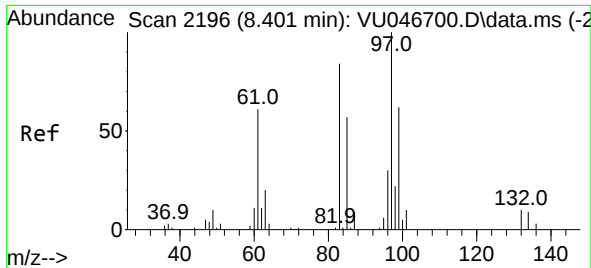
Tgt Ion: 91 Resp: 157020
Ion Ratio Lower Upper
91 100
92 59.5 41.3 76.7



#44
trans-1,3-Dichloropropene
Concen: 4.778 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 75 Resp: 54360
Ion Ratio Lower Upper
75 100
77 31.1 22.7 42.3



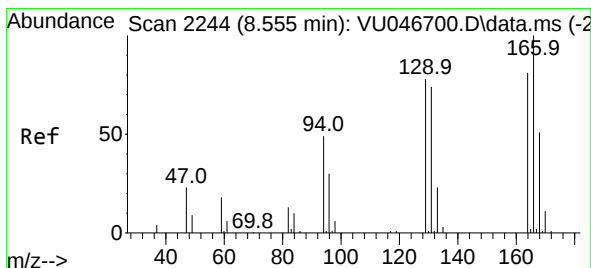
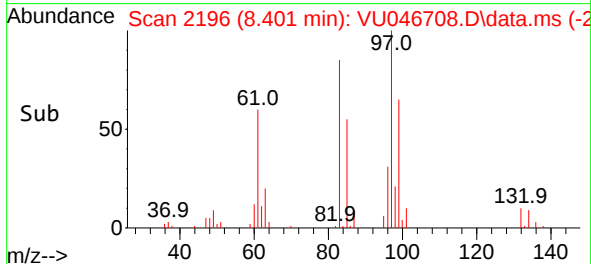
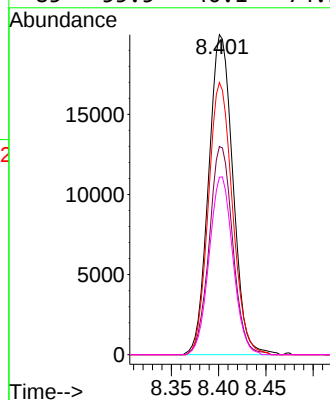
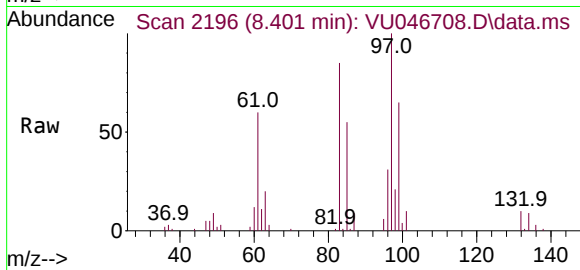


#45
1,1,2-Trichloroethane
Concen: 5.110 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

Tgt Ion: 97 Resp: 35740

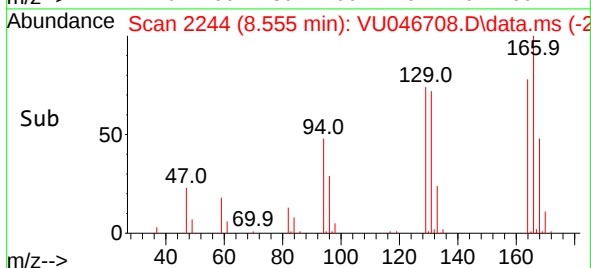
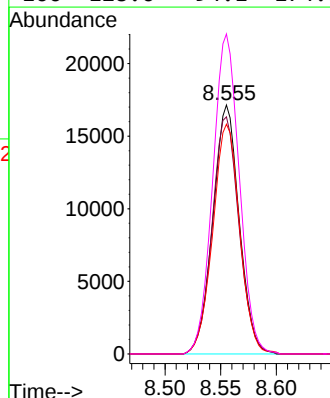
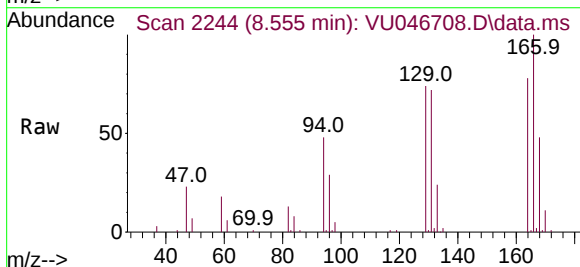
Ion	Ratio	Lower	Upper
97	100		
99	65.0	42.3	78.5
83	85.1	62.0	115.2
85	55.5	40.1	74.5

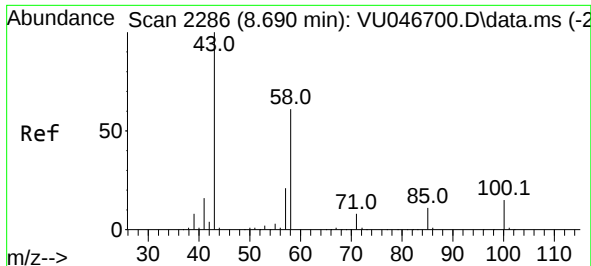


#47
Tetrachloroethene
Concen: 4.764 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 164 Resp: 28256

Ion	Ratio	Lower	Upper
164	100		
129	95.2	71.8	133.4
131	92.3	68.5	127.3
166	128.6	94.1	174.8

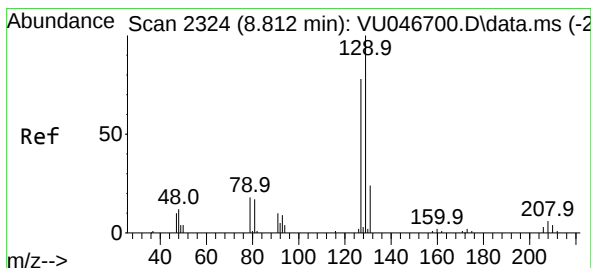
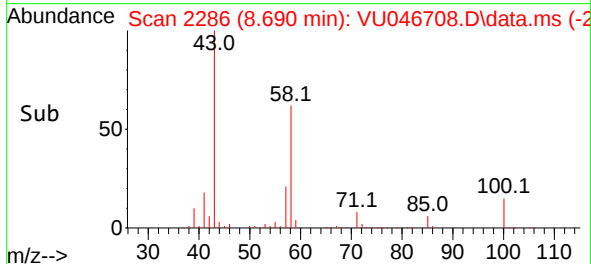
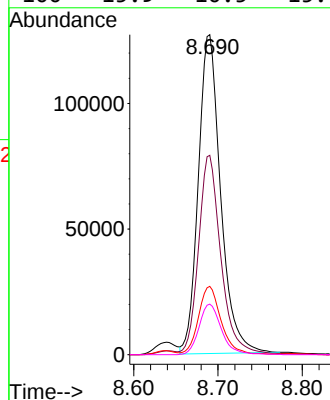
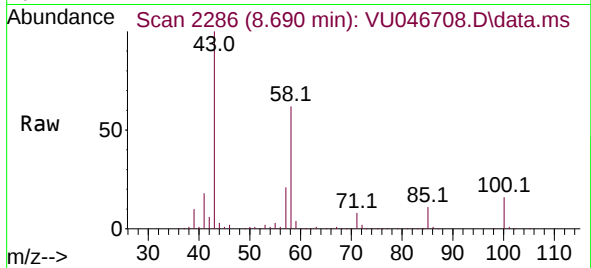




#48
2-Hexanone
Concen: 51.545 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

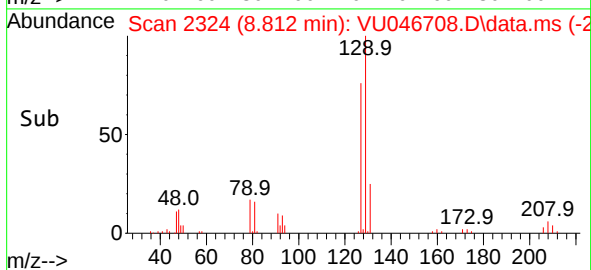
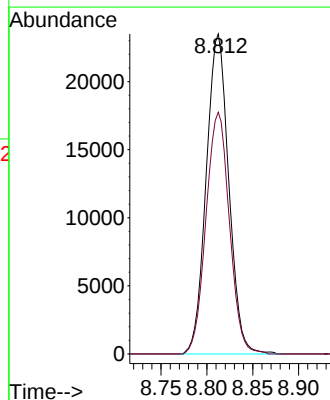
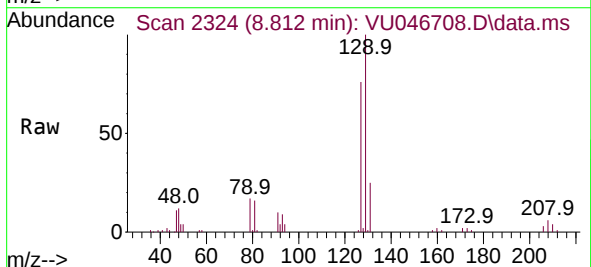
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

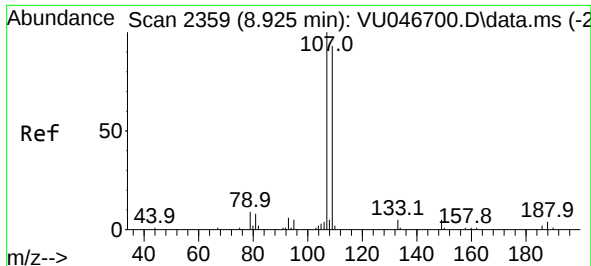
Tgt Ion: 43 Resp: 234350
Ion Ratio Lower Upper
43 100
58 62.3 46.7 70.1
57 21.0 16.3 24.5
100 15.9 10.5 15.7#



#49
Dibromochloromethane
Concen: 4.982 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 129 Resp: 40190
Ion Ratio Lower Upper
129 100
127 75.6 55.4 102.8





#50

1,2-Dibromoethane

Concen: 4.962 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

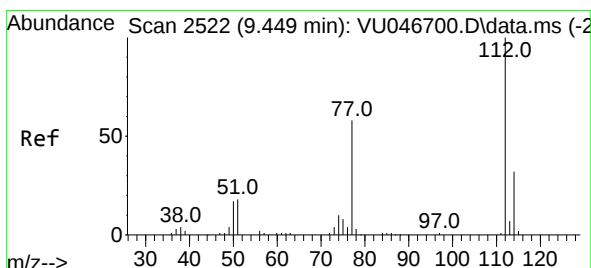
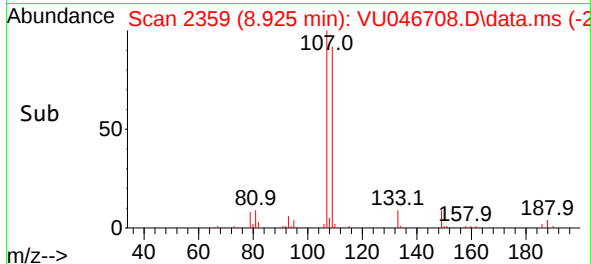
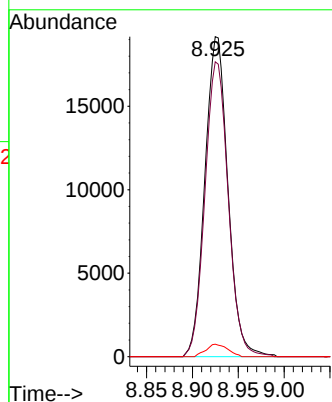
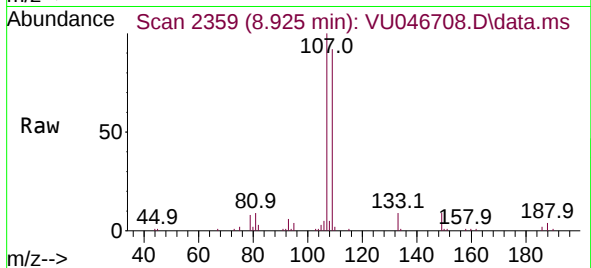
Tgt Ion:107 Resp: 33499

Ion Ratio Lower Upper

107 100

109 92.2 64.0 119.0

188 3.9 2.4 3.6#



#51

Chlorobenzene

Concen: 5.032 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

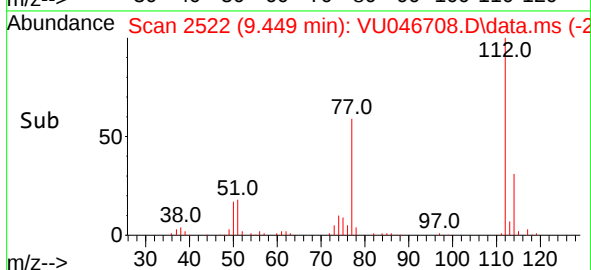
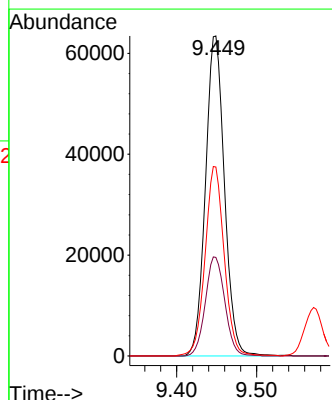
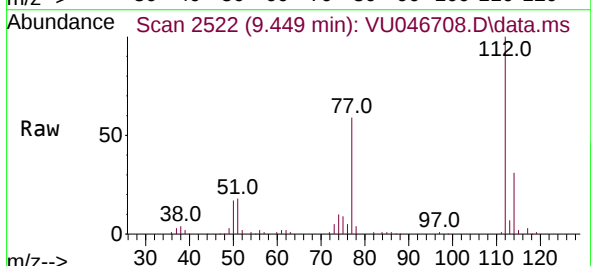
Tgt Ion:112 Resp: 104966

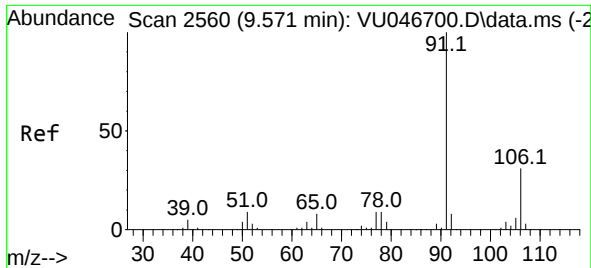
Ion Ratio Lower Upper

112 100

114 30.8 22.1 41.1

77 59.1 48.3 72.5

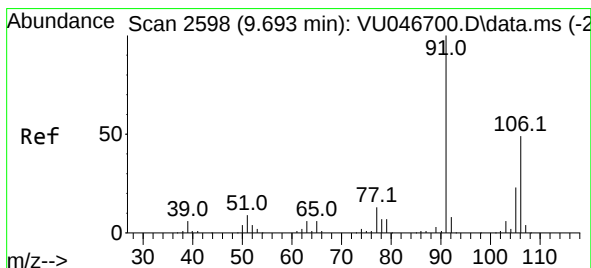
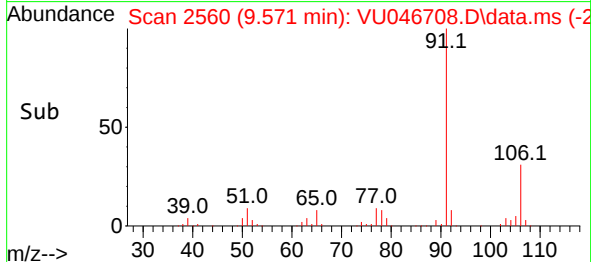
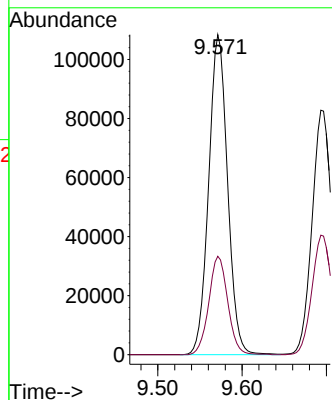
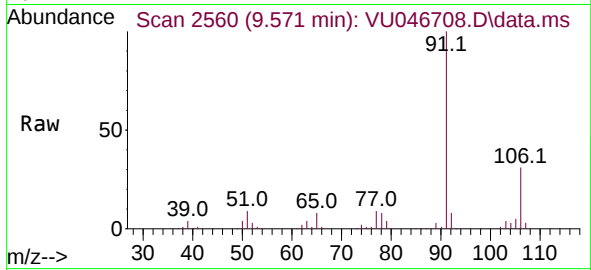




#52
Ethylbenzene
Concen: 5.002 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

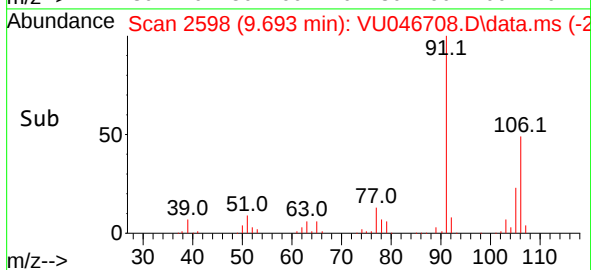
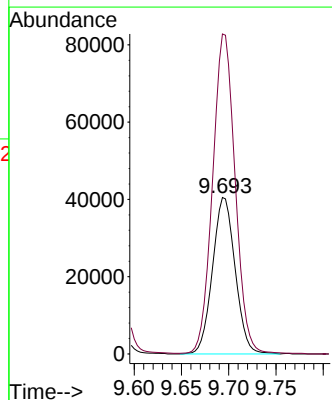
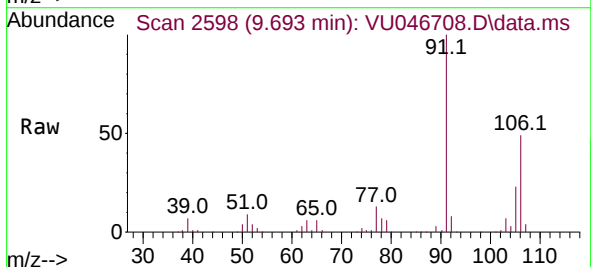
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

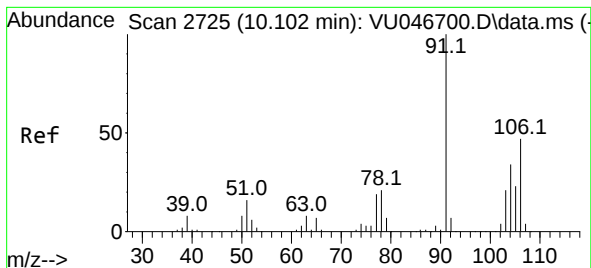
Tgt Ion: 91 Resp: 168972
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#53
m,p-Xylene
Concen: 5.216 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 106 Resp: 67500
Ion Ratio Lower Upper
106 100
91 204.6 139.4 259.0





#54

o-Xylene

Concen: 5.260 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

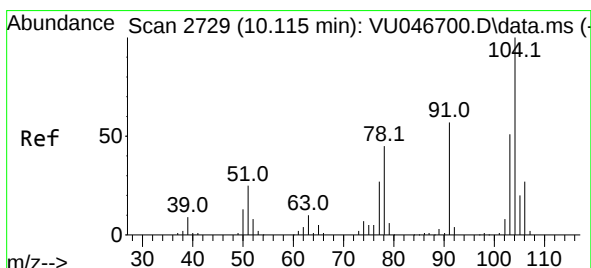
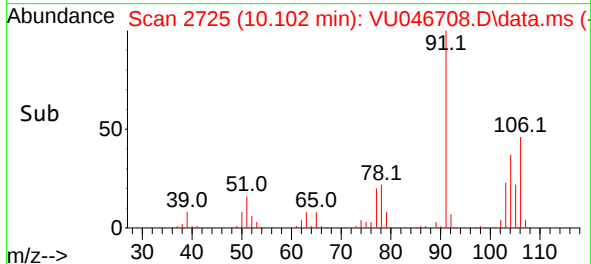
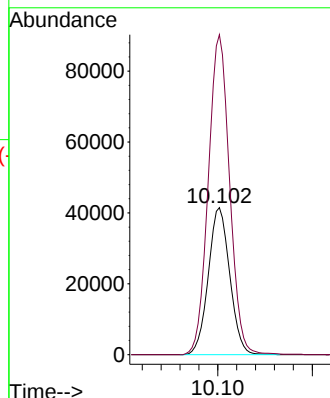
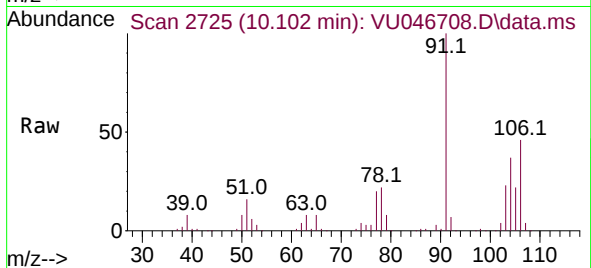
VSTD005145

Tgt Ion:106 Resp: 65412

Ion Ratio Lower Upper

106 100

91 217.7 147.5 273.9



#55

Styrene

Concen: 5.538 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU046708.D

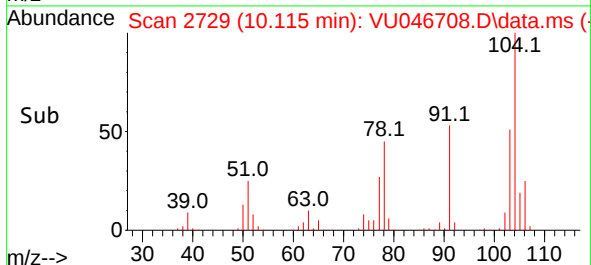
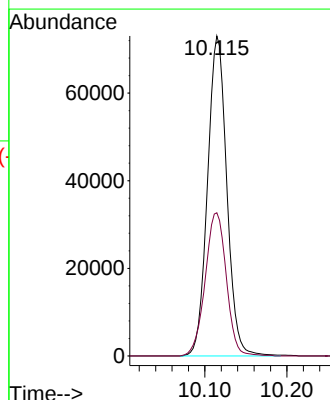
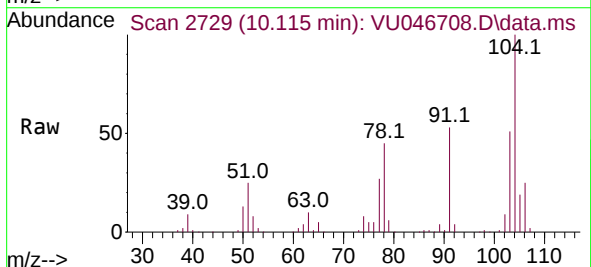
Acq: 08 Jan 2022 16:01

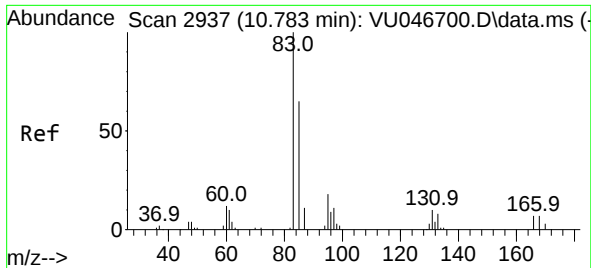
Tgt Ion:104 Resp: 119448

Ion Ratio Lower Upper

104 100

78 44.8 33.0 61.4

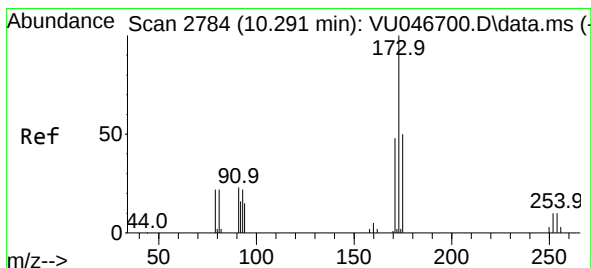
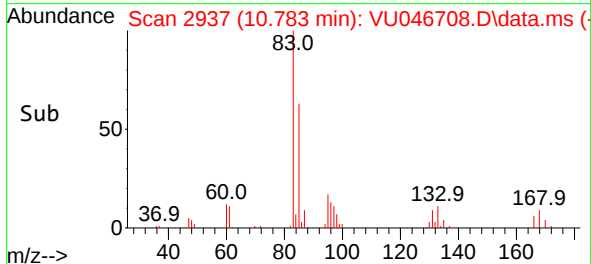
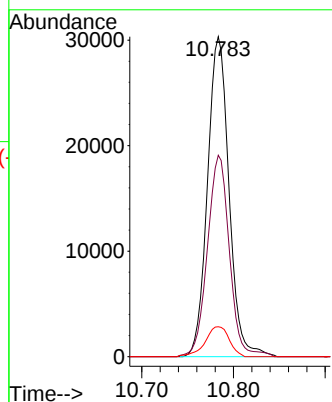
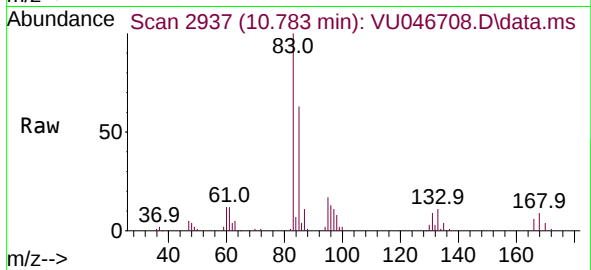




#57
1,1,2,2-Tetrachloroethane
Concen: 5.409 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

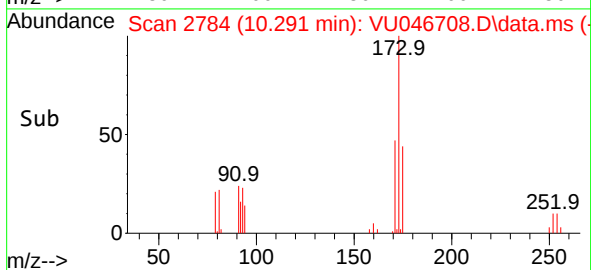
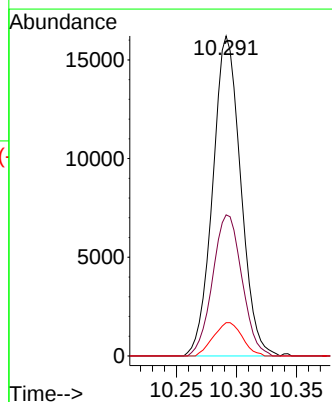
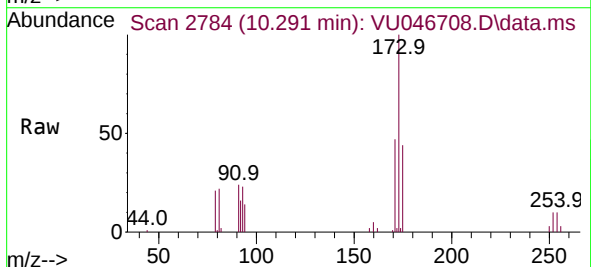
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

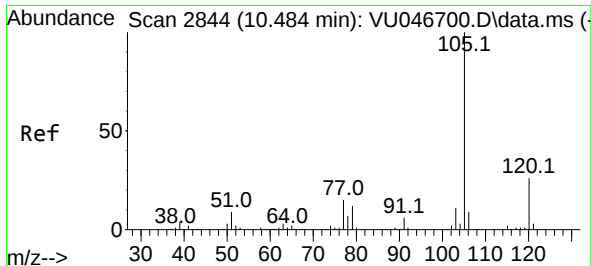
Tgt Ion: 83 Resp: 49433
Ion Ratio Lower Upper
83 100
85 63.0 47.9 89.1
131 9.4 8.1 12.1



#59
Bromoform
Concen: 4.694 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 173 Resp: 26261
Ion Ratio Lower Upper
173 100
175 46.2 37.8 56.6
254 10.7 7.3 10.9

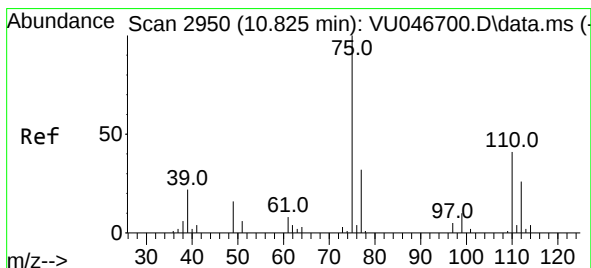
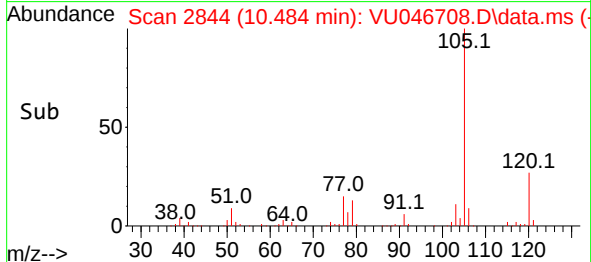
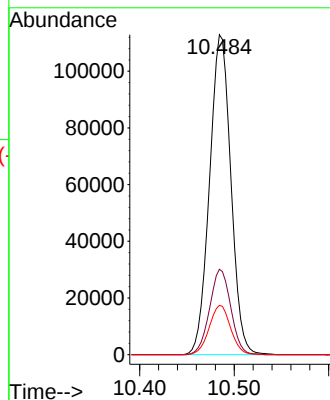
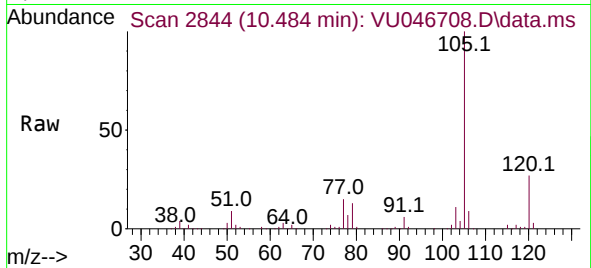




#60
Isopropylbenzene
Concen: 4.738 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

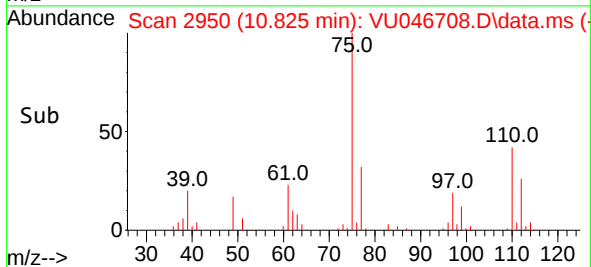
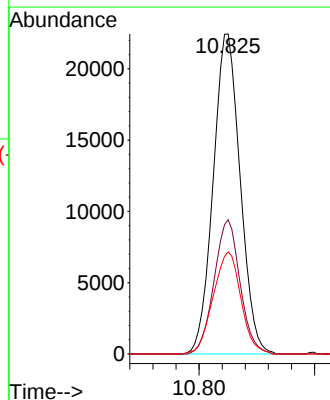
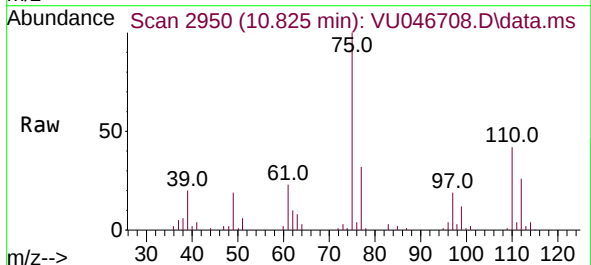
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

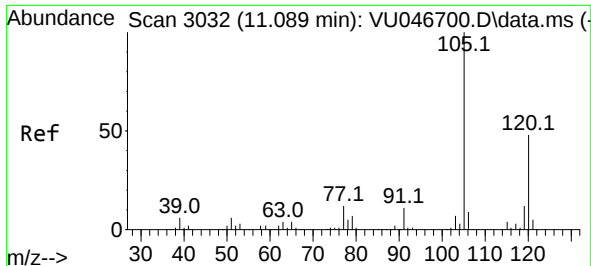
Tgt Ion:105 Resp: 176926
Ion Ratio Lower Upper
105 100
120 26.5 20.7 31.1
77 15.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.527 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion: 75 Resp: 36403
Ion Ratio Lower Upper
75 100
110 40.4 29.9 44.9
77 32.8 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.639 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

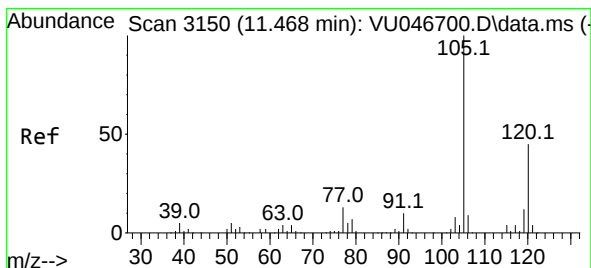
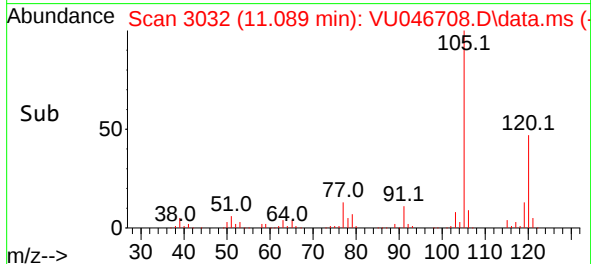
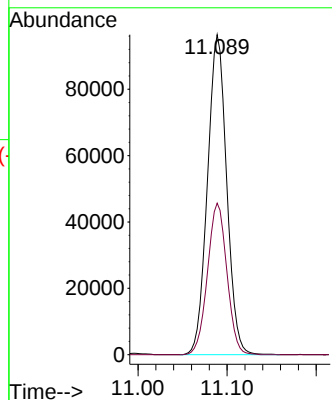
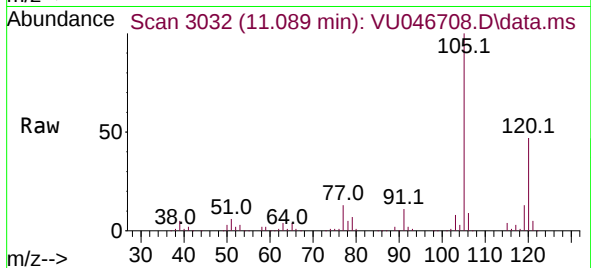
VSTD005145

Tgt Ion:105 Resp: 144056

Ion Ratio Lower Upper

105 100

120 47.7 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 4.881 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU046708.D

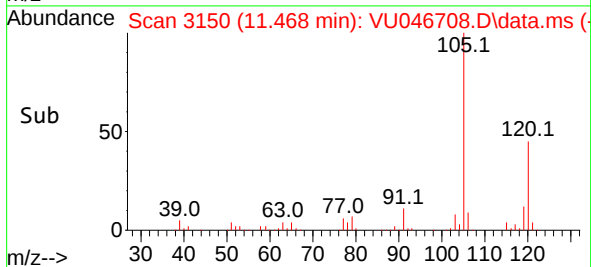
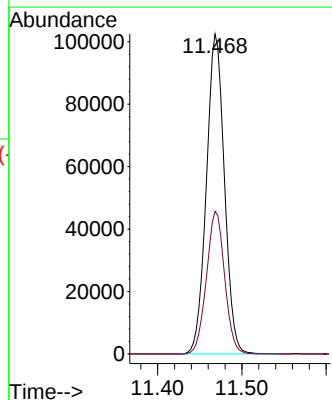
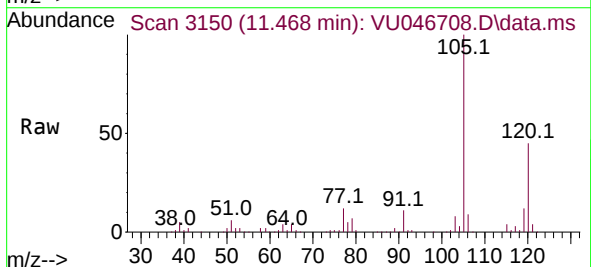
Acq: 08 Jan 2022 16:01

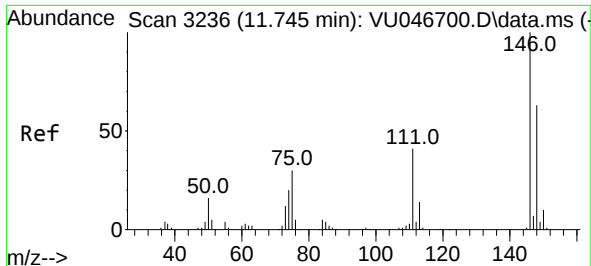
Tgt Ion:105 Resp: 152649

Ion Ratio Lower Upper

105 100

120 44.9 35.8 53.8

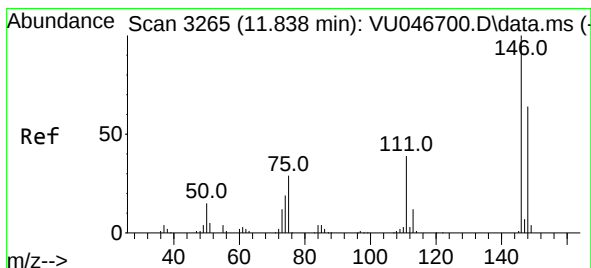
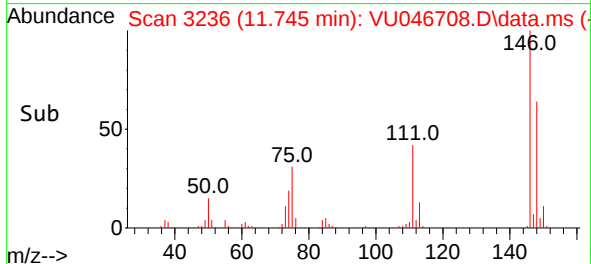
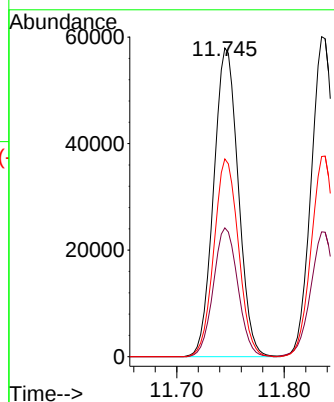
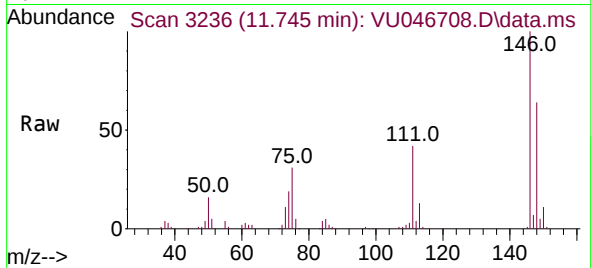




#64
1,3-Dichlorobenzene
Concen: 5.084 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

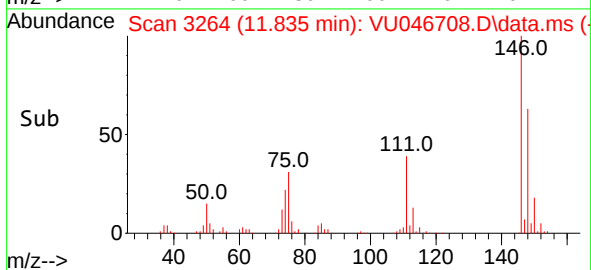
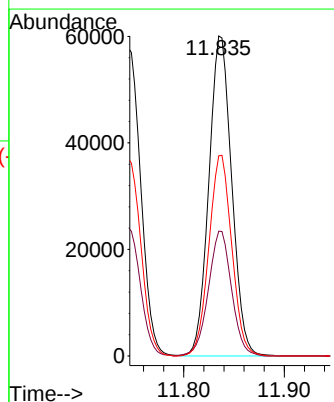
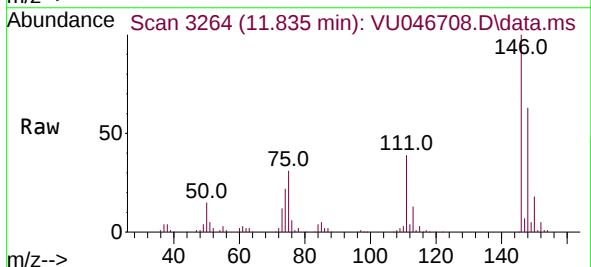
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

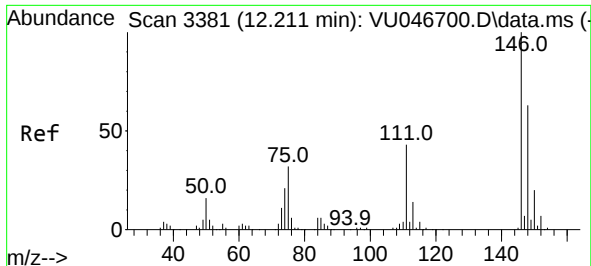
Tgt Ion:146 Resp: 92289
Ion Ratio Lower Upper
146 100
111 41.7 29.9 55.5
148 64.1 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.107 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion:146 Resp: 94892
Ion Ratio Lower Upper
146 100
111 39.0 28.7 53.3
148 62.5 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 4.992 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

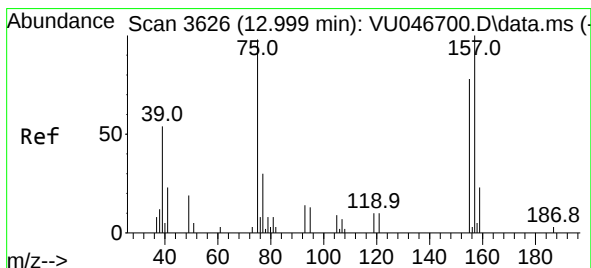
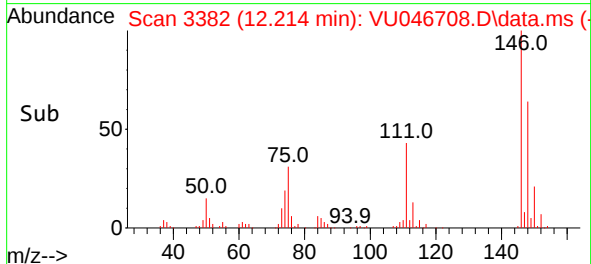
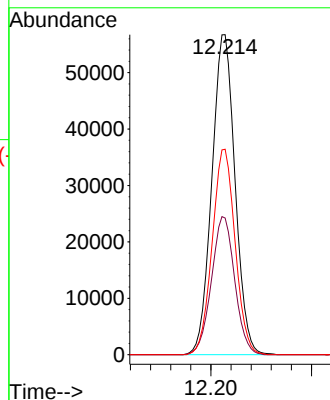
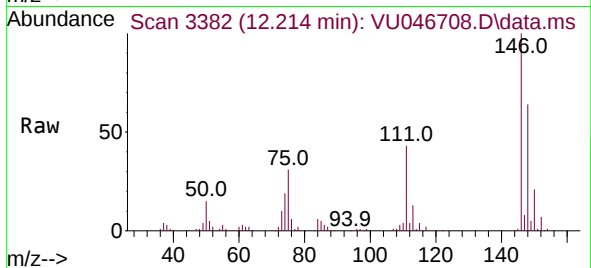
Tgt Ion:146 Resp: 90896

Ion Ratio Lower Upper

146 100

111 42.7 35.4 53.0

148 64.2 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.275 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU046708.D

Acq: 08 Jan 2022 16:01

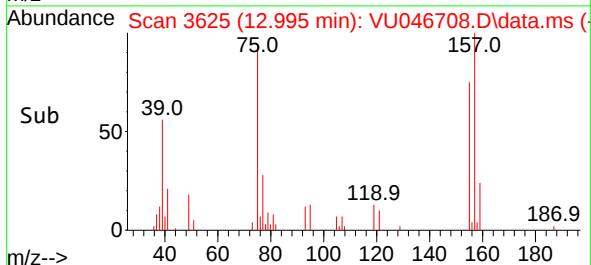
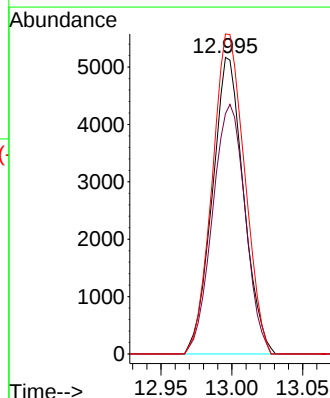
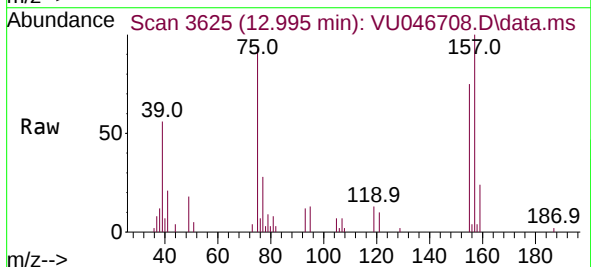
Tgt Ion: 75 Resp: 7958

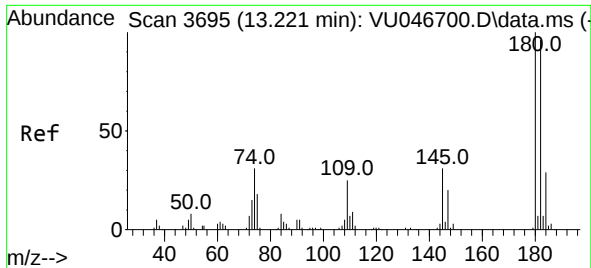
Ion Ratio Lower Upper

75 100

155 81.0 59.2 88.8

157 107.9 76.5 114.7

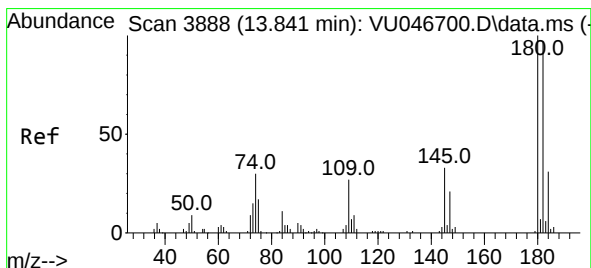
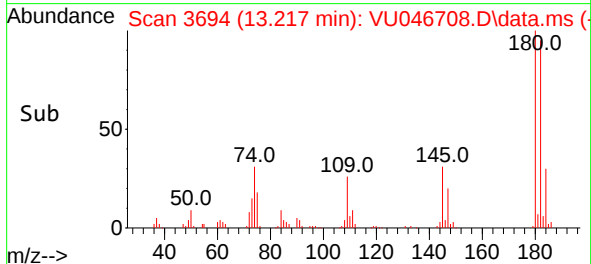
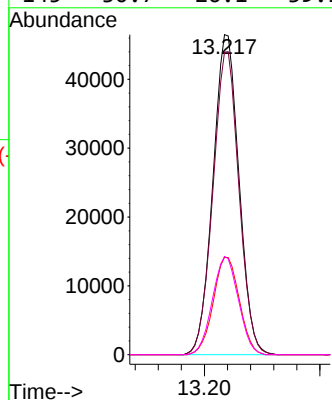
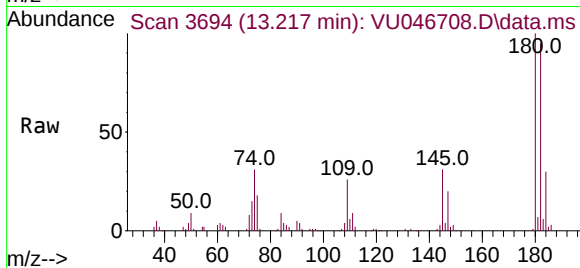




#69
 1,3,5-Trichlorobenzene
 Concen: 5.275 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.003 min
 Lab File: VU046708.D
 Acq: 08 Jan 2022 16:01

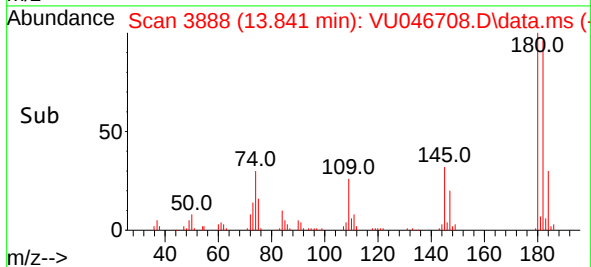
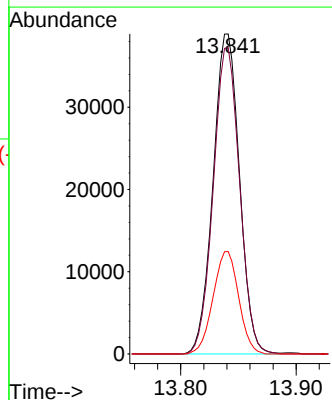
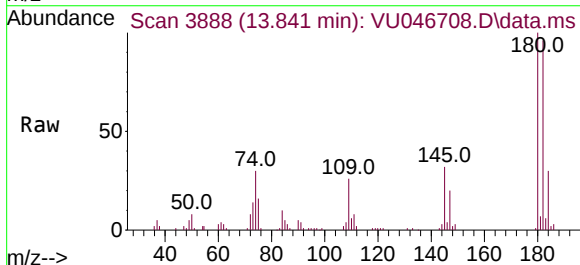
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

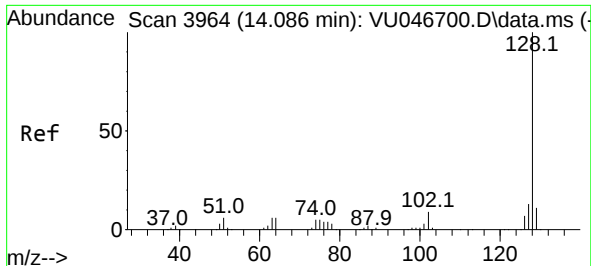
Tgt Ion:	180	Resp:	72474
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.1	114.1
184	30.5	25.0	37.4
145	30.7	26.1	39.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.300 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046708.D
 Acq: 08 Jan 2022 16:01

Tgt Ion:	180	Resp:	61667
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	31.0	25.6	38.4

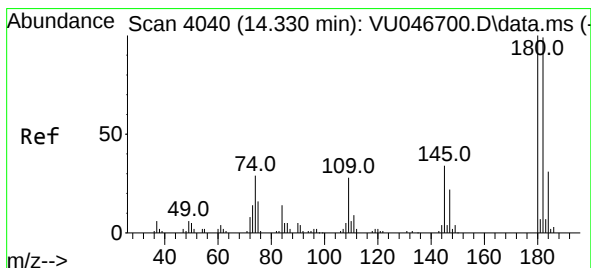
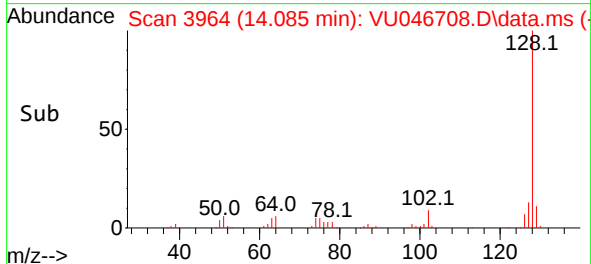
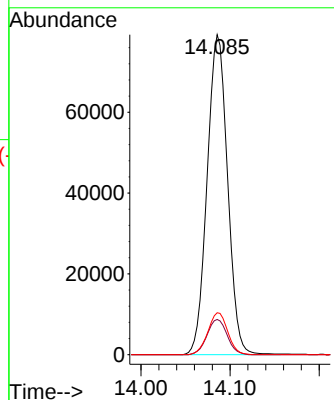
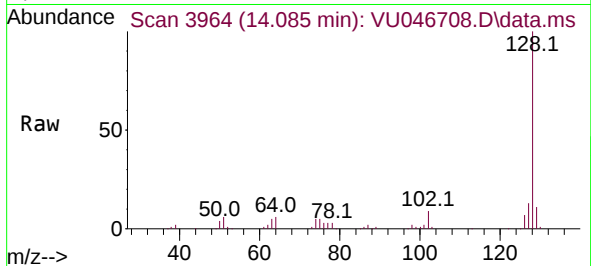




#71
Naphthalene
Concen: 4.876 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

Tgt Ion:128 Resp: 126012
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 12.8 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.262 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU046708.D
Acq: 08 Jan 2022 16:01

Tgt Ion:180 Resp: 60616
Ion Ratio Lower Upper
180 100
182 97.3 76.2 114.4
145 33.6 28.4 42.6

