

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011922\
 Data File : VU046792.D
 Acq On : 19 Jan 2022 10:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005166

Quant Time: Jan 20 01:42:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 19 06:55:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	133003	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	139022	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	78355	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	47331	4.200	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.000%
7) Chloroethane-d5	1.919	69	39710	4.472	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.572	65	20122	4.488	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.800%
20) 2-Butanone-d5	4.658	46	166100	49.749	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.500%
24) Chloroform-d	5.067	84	89283	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.707	65	49564	4.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
32) Benzene-d6	5.732	84	183685	4.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
36) 1,2-Dichloropropane-d6	6.694	67	55315	4.509	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.899	98	165883	4.436	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	8.182	79	23918	4.439	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.800%
46) 2-Hexanone-d5	8.639	63	158332	49.633	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.260%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	58640	4.761	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	64485	4.388	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	62207	4.972	ug/L	100
3) Chloromethane	1.523	50	51255	4.975	ug/L	96
5) Vinyl chloride	1.607	62	52646	4.908	ug/L	99
6) Bromomethane	1.864	94	32704	4.873	ug/L	99
8) Chloroethane	1.941	64	31116	5.040	ug/L	99
9) Trichlorofluoromethane	2.144	101	66188	5.064	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	39733	5.113	ug/L	97
12) 1,1-Dichloroethene	2.588	96	36899	4.969	ug/L	80
13) Acetone	2.678	43	21706	11.953	ug/L	# 1
14) Carbon disulfide	2.800	76	120051	4.922	ug/L	99
15) Methyl Acetate	2.970	43	15422	3.888	ug/L	# 79
16) Methylene chloride	3.051	84	43171	4.814	ug/L	93
17) Methyl tert-butyl Ether	3.369	73	103928	4.988	ug/L	97
18) trans-1,2-Dichloroethene	3.359	96	39453	4.905	ug/L	92
19) 1,1-Dichloroethane	3.877	63	67591	5.005	ug/L	98
21) 2-Butanone	4.739	43	152133	52.092	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	42825	5.047	ug/L	96
23) Bromochloromethane	4.980	128	20455	4.900	ug/L	88
25) Chloroform	5.092	83	73177	3.414	ug/L	99

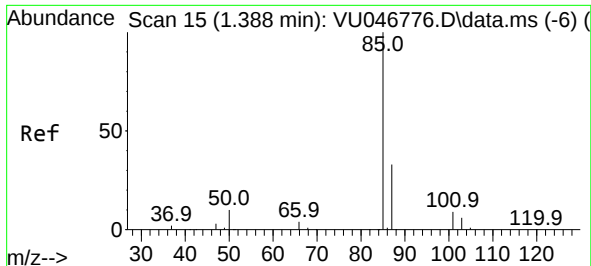
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011922\
 Data File : VU046792.D
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 Sample : VSTDCCC005
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005166

Quant Time: Jan 20 01:42:34 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 19 06:55:47 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	48543	5.131	ug/L	96
29) 1,1,1-Trichloroethane	5.321	97	61949	4.947	ug/L	97
30) Cyclohexane	5.395	56	61860	4.871	ug/L	93
31) Carbon tetrachloride	5.530	117	52954	4.929	ug/L	99
33) Benzene	5.777	78	159232	4.865	ug/L	100
34) Trichloroethene	6.546	95	40221	4.733	ug/L	94
35) Methylcyclohexane	6.768	83	67365	4.732	ug/L	95
37) 1,2-Dichloropropane	6.793	63	40304	5.019	ug/L	100
38) Bromodichloromethane	7.108	83	52684	4.559	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	60735	4.848	ug/L	98
40) 4-Methyl-2-pentanone	7.797	43	313855	53.318	ug/L	95
42) Toluene	7.973	91	180427	4.612	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	55699	4.990	ug/L	100
45) 1,1,2-Trichloroethane	8.404	97	35241	5.159	ug/L	96
47) Tetrachloroethene	8.555	164	32971	4.770	ug/L	93
48) 2-Hexanone	8.690	43	241485	54.349	ug/L	97
49) Dibromochloromethane	8.813	129	40403	5.014	ug/L	97
50) 1,2-Dibromoethane	8.928	107	34495	4.982	ug/L #	96
51) Chlorobenzene	9.449	112	111095	4.890	ug/L	96
52) Ethylbenzene	9.571	91	179128	4.816	ug/L	97
53) m,p-Xylene	9.697	106	73199	4.937	ug/L	100
54) o-Xylene	10.102	106	69990	4.870	ug/L	98
55) Styrene	10.118	104	118094	5.023	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.784	83	48154	5.242	ug/L	97
59) Bromoform	10.295	173	23979	4.970	ug/L	98
60) Isopropylbenzene	10.485	105	186013	5.096	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	34668	5.222	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	149005	4.974	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	155105	5.031	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	89196	4.889	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	90522	4.930	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	86043	4.876	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	7027	5.099	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.221	180	68396	4.755	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	55494	4.615	ug/L	99
71) Naphthalene	14.089	128	110897	4.530	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	54195	4.771	ug/L	98

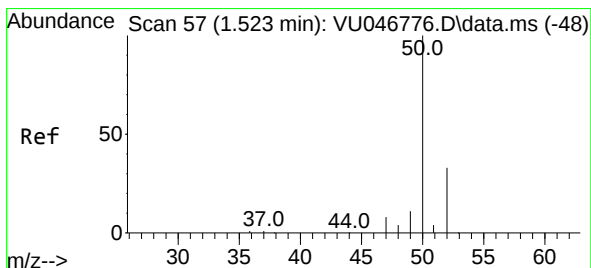
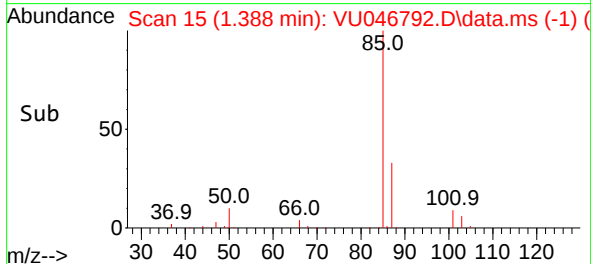
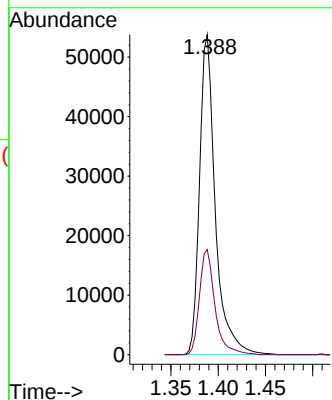
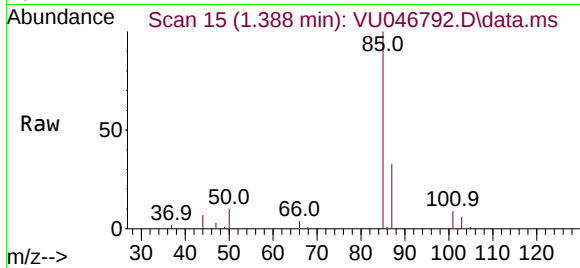
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#2
Dichlorodifluoromethane
Concen: 4.972 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

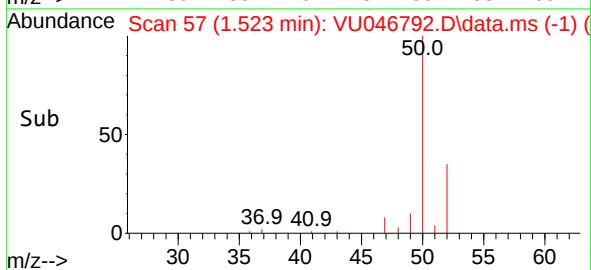
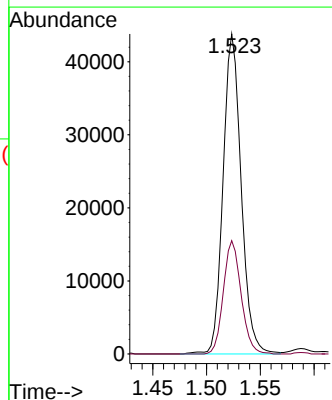
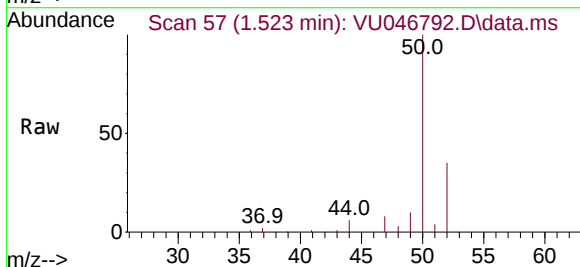
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

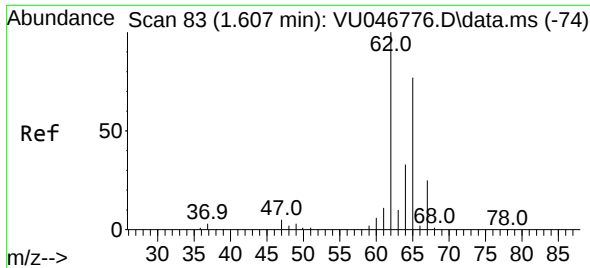
Tgt Ion: 85 Resp: 62207
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.6



#3
Chloromethane
Concen: 4.975 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion: 50 Resp: 51255
Ion Ratio Lower Upper
50 100
52 35.4 23.0 42.8

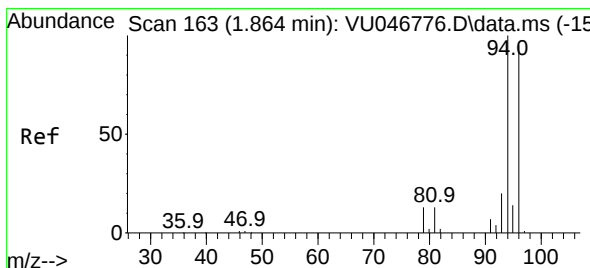
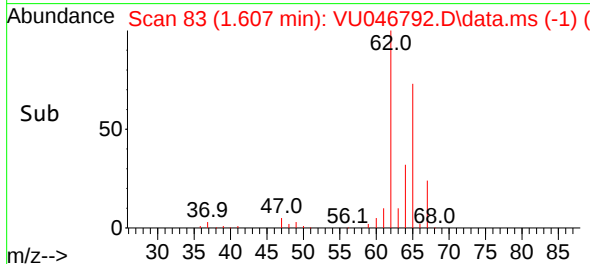
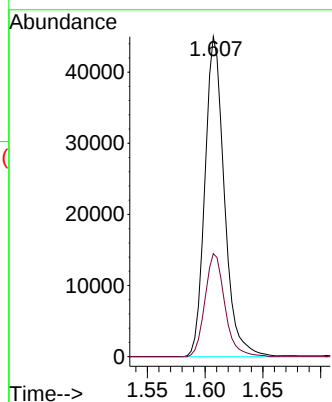
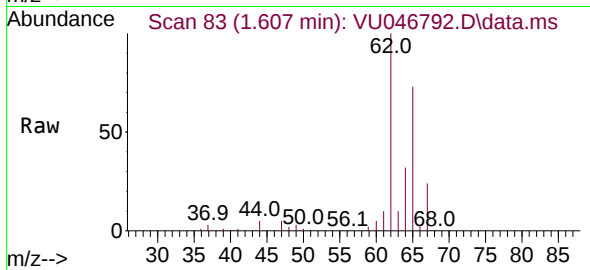




#5
 Vinyl chloride
 Concen: 4.908 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU046792.D
 Acq: 19 Jan 2022 10:26

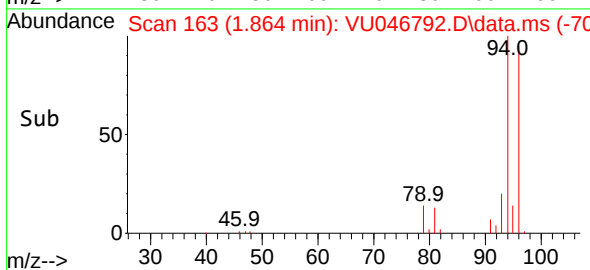
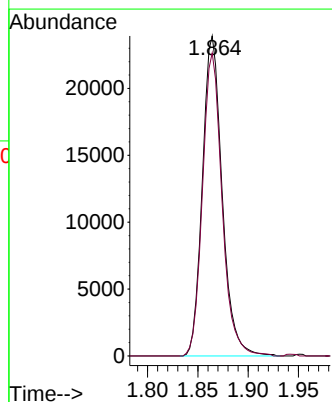
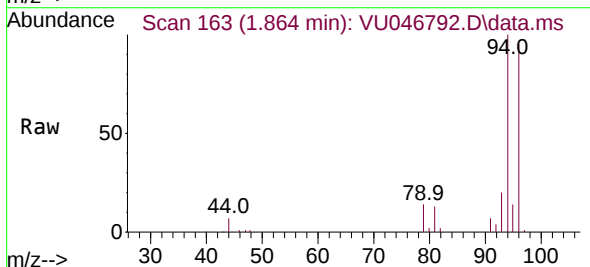
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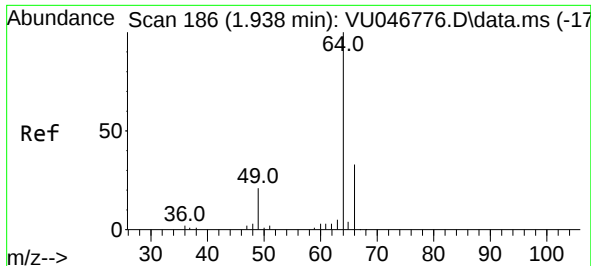
Tgt Ion: 62 Resp: 52646
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.9 42.5



#6
 Bromomethane
 Concen: 4.873 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU046792.D
 Acq: 19 Jan 2022 10:26

Tgt Ion: 94 Resp: 32704
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.5 121.6

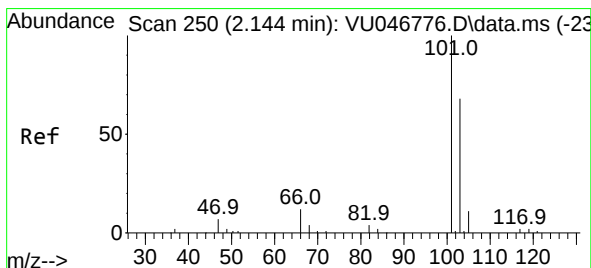
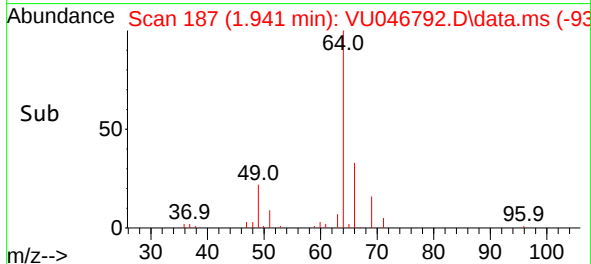
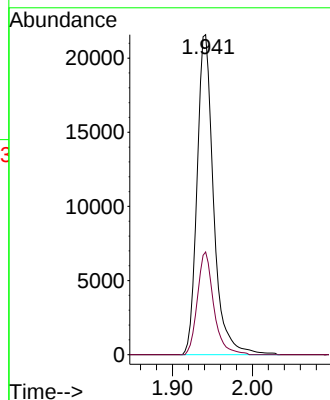
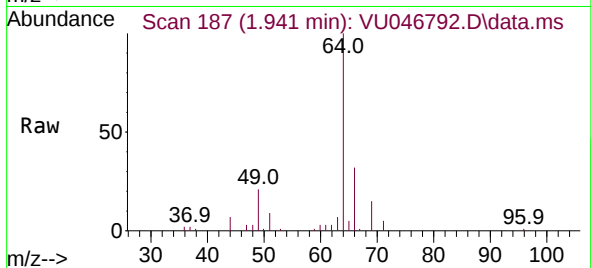




#8
Chloroethane
Concen: 5.040 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

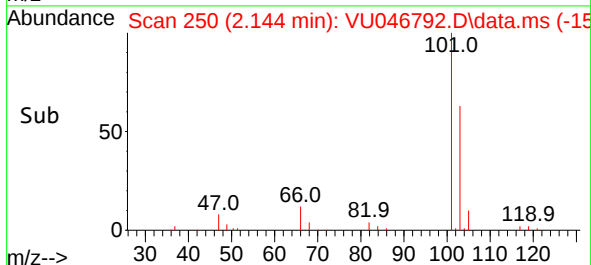
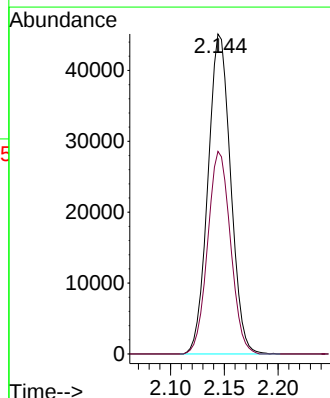
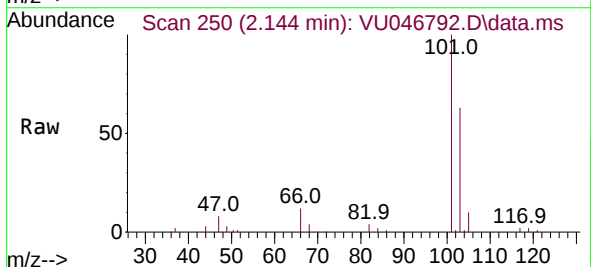
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ClientSampleId :
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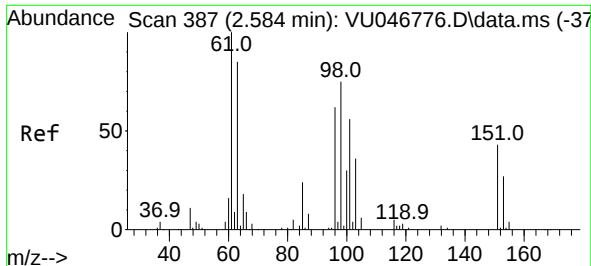
Tgt Ion: 64 Resp: 31116
Ion Ratio Lower Upper
64 100
66 32.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.064 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion:101 Resp: 66188
Ion Ratio Lower Upper
101 100
103 63.7 51.5 77.3

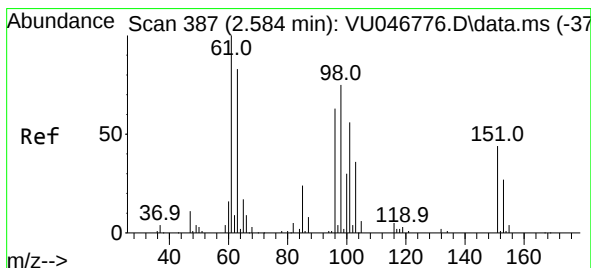
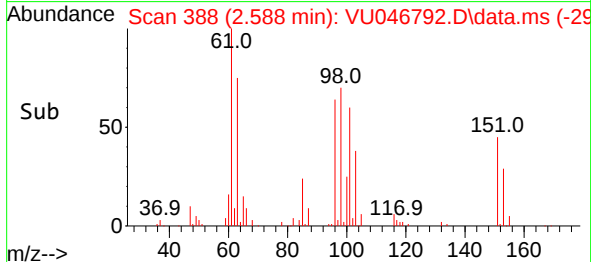
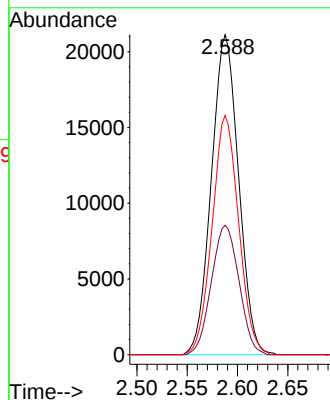
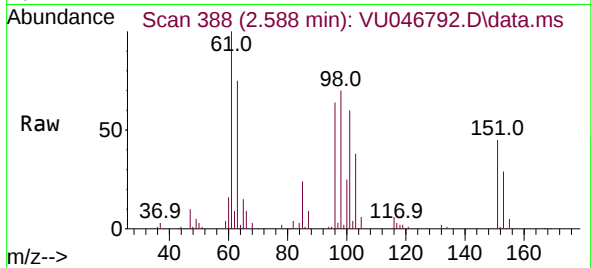




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.113 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.004 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

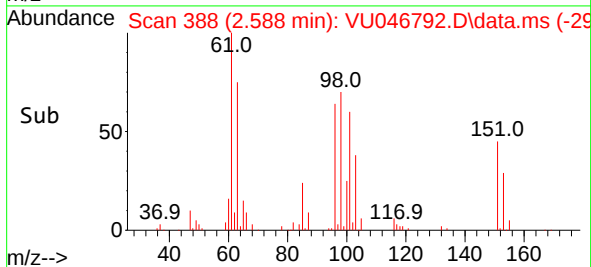
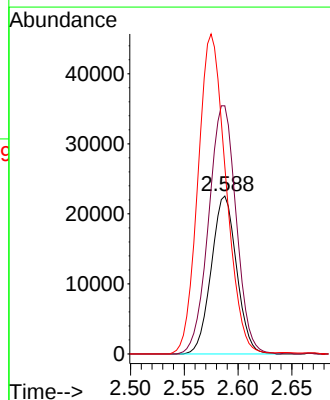
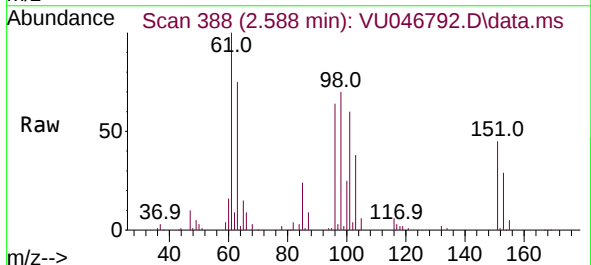
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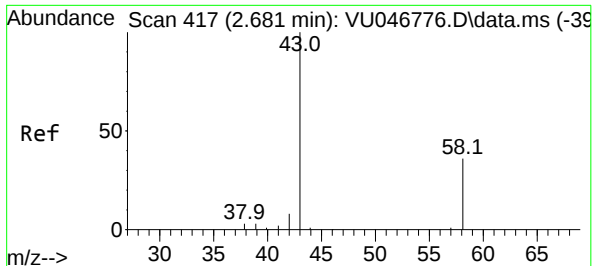
Tgt Ion:101 Resp: 39733
Ion Ratio Lower Upper
101 100
85 41.1 34.6 51.8
151 73.0 56.1 84.1



#12
1,1-Dichloroethene
Concen: 4.969 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion: 96 Resp: 36899
Ion Ratio Lower Upper
96 100
61 157.1 124.7 231.5
63 118.6 105.2 195.4





#13

Acetone

Concen: 11.953 ug/L

RT: 2.678 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

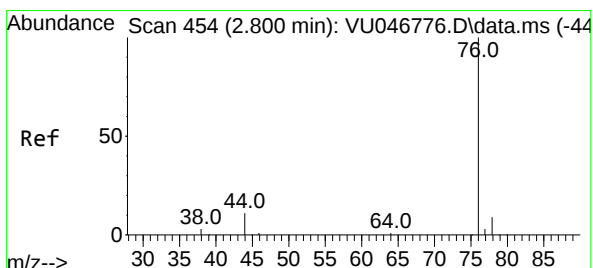
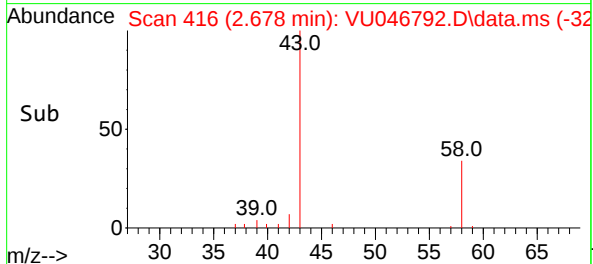
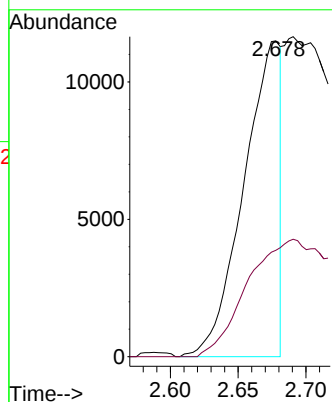
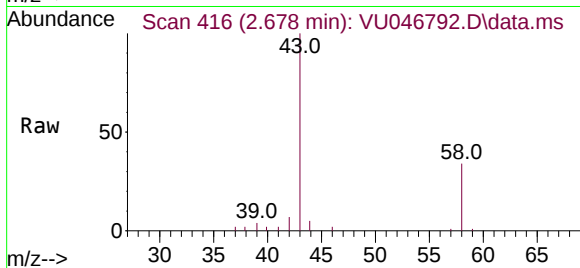
VSTD005166

Tgt Ion: 43 Resp: 21706

Ion Ratio Lower Upper

43 100

58 130.0 0.0 71.6#



#14

Carbon disulfide

Concen: 4.922 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046792.D

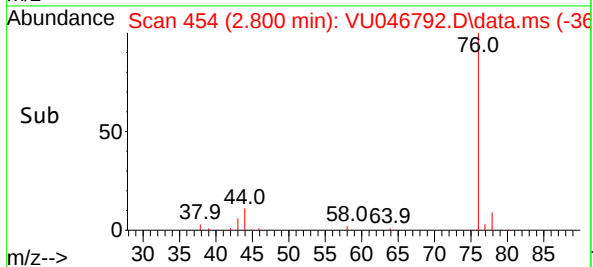
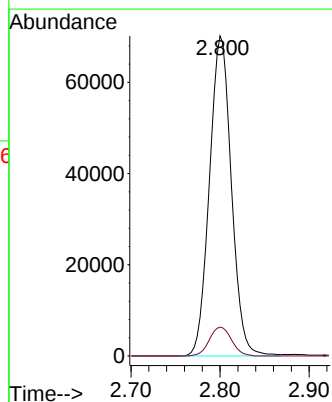
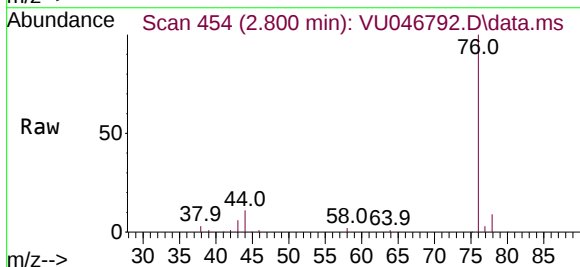
Acq: 19 Jan 2022 10:26

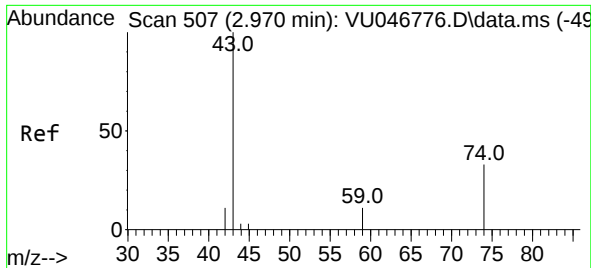
Tgt Ion: 76 Resp: 120051

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

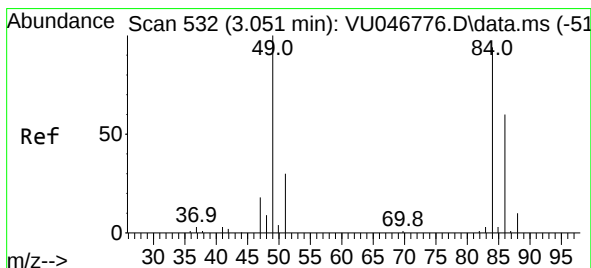
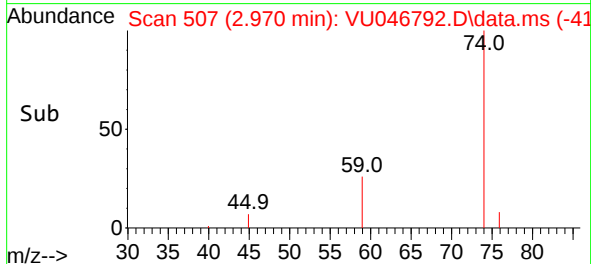
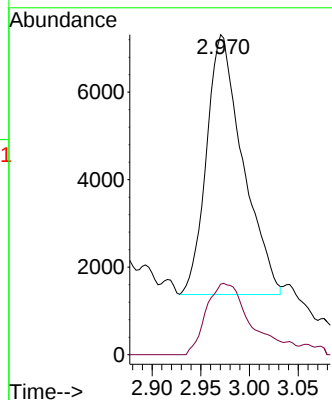
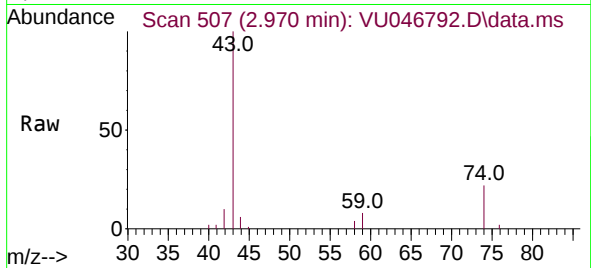




#15
Methyl Acetate
Concen: 3.888 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

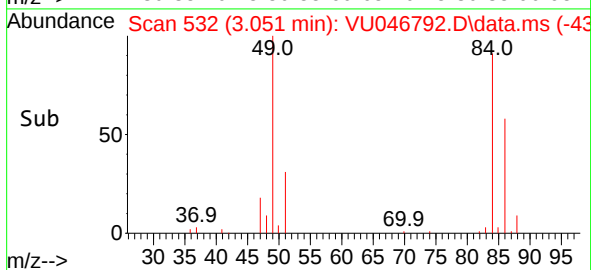
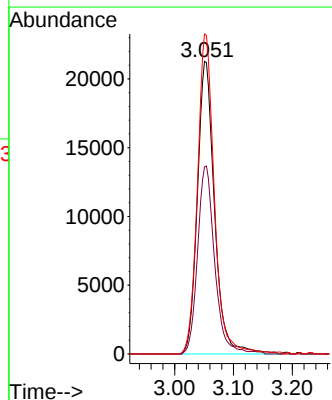
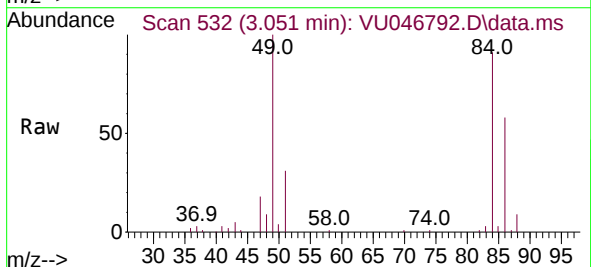
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

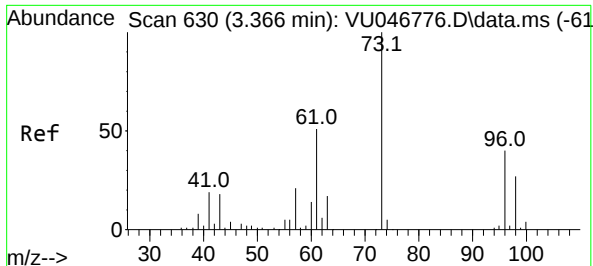
Tgt Ion: 43 Resp: 15422
Ion Ratio Lower Upper
43 100
74 34.4 19.1 28.7#



#16
Methylene chloride
Concen: 4.814 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion: 84 Resp: 43171
Ion Ratio Lower Upper
84 100
86 63.9 45.8 85.0
49 109.4 84.5 156.9





#17

Methyl tert-butyl Ether

Concen: 4.988 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005166

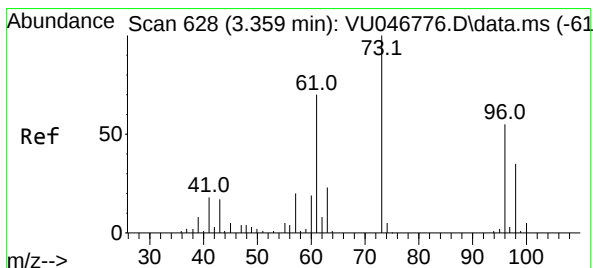
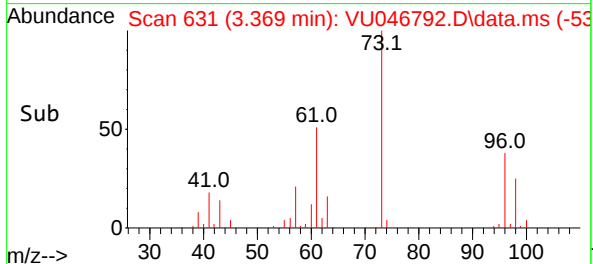
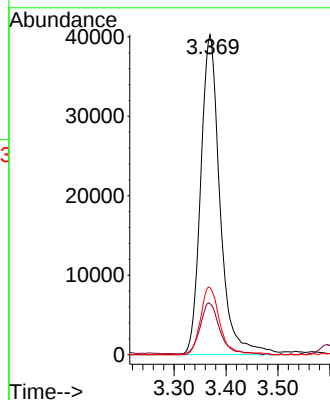
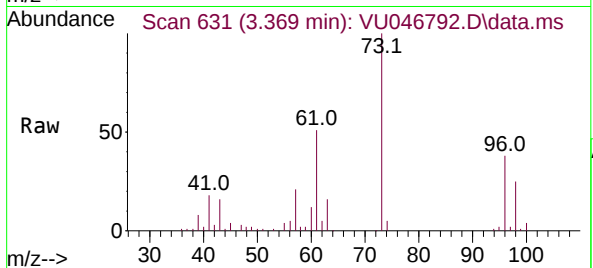
Tgt Ion: 73 Resp: 103928

Ion Ratio Lower Upper

73 100

43 16.8 14.8 22.2

57 20.7 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 4.905 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

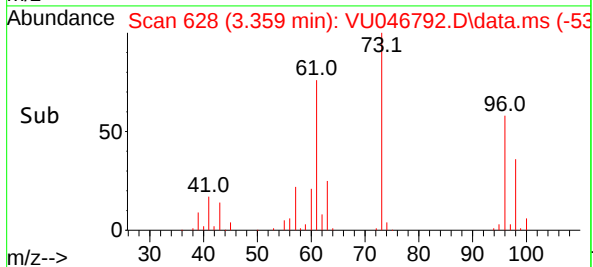
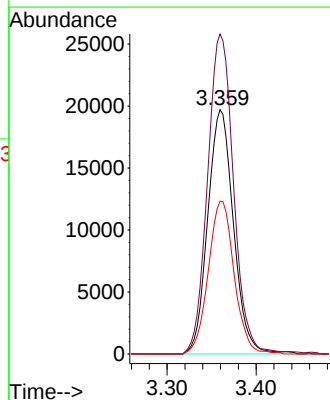
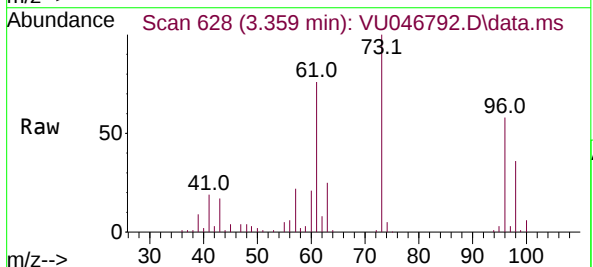
Tgt Ion: 96 Resp: 39453

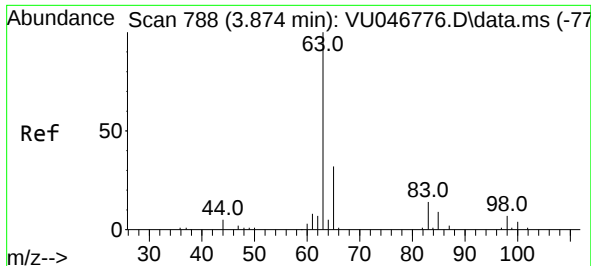
Ion Ratio Lower Upper

96 100

61 131.0 100.8 187.2

98 62.6 45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.005 ug/L

RT: 3.877 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005166

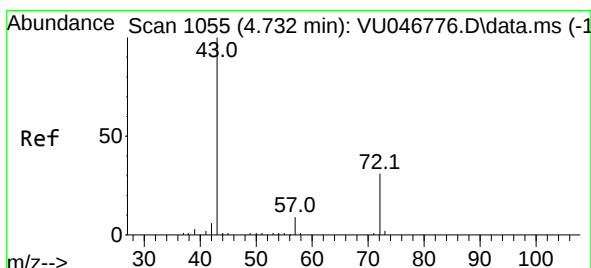
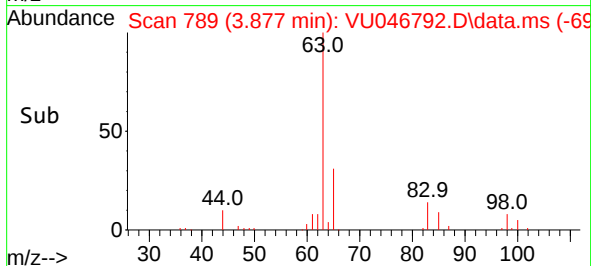
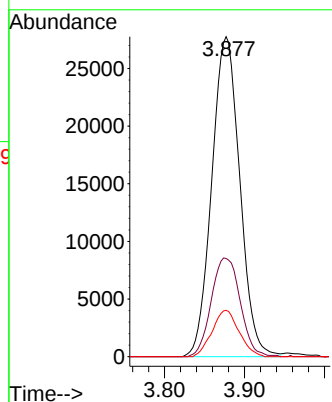
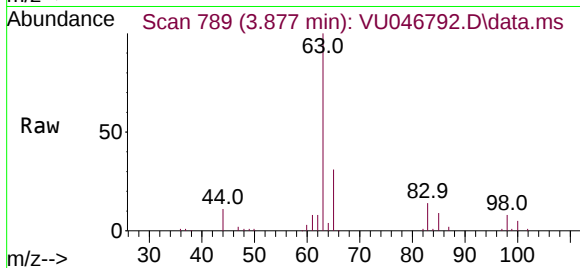
Tgt Ion: 63 Resp: 67591

Ion Ratio Lower Upper

63 100

65 30.7 22.3 41.5

83 14.5 9.6 17.8



#21

2-Butanone

Concen: 52.092 ug/L

RT: 4.739 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VU046792.D

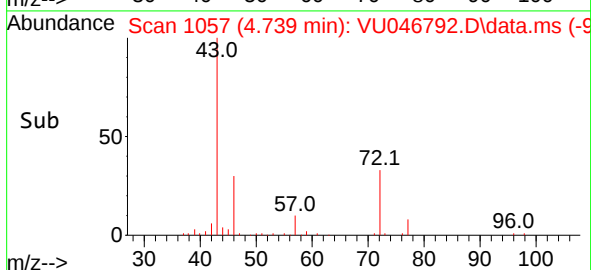
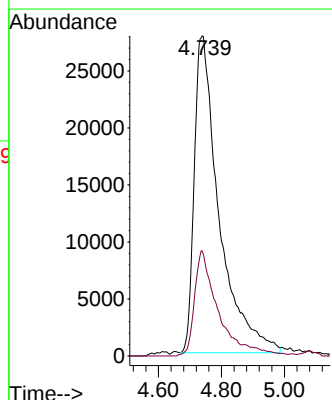
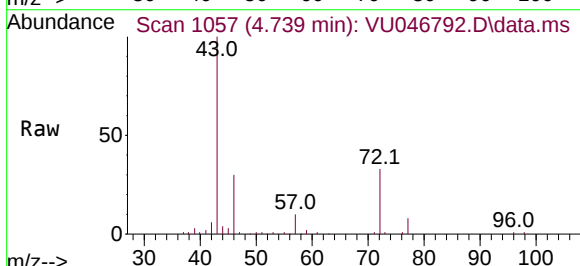
Acq: 19 Jan 2022 10:26

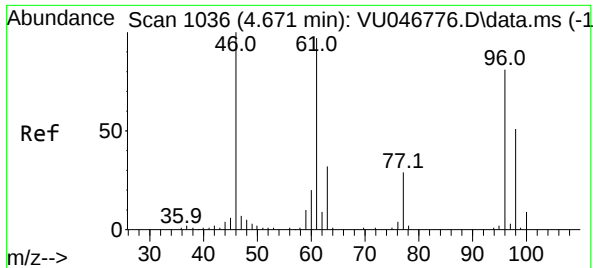
Tgt Ion: 43 Resp: 152133

Ion Ratio Lower Upper

43 100

72 29.0 14.1 42.3

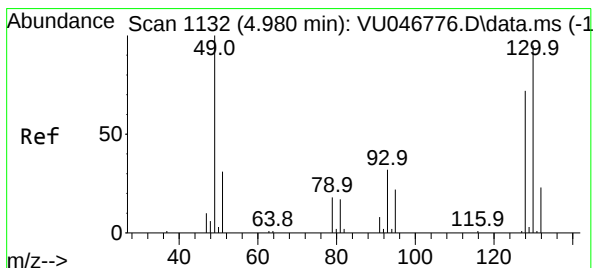
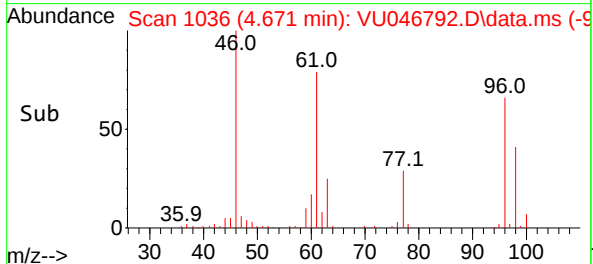
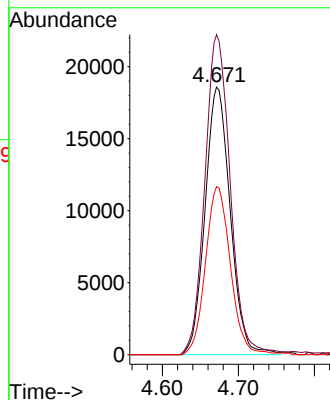
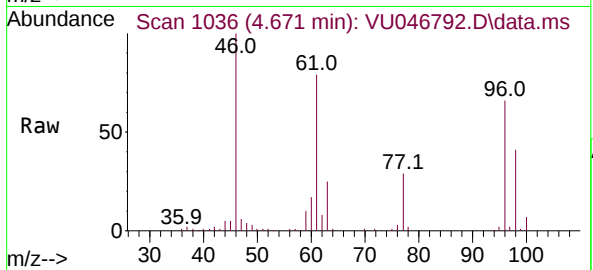




#22
 cis-1,2-Dichloroethene
 Concen: 5.047 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU046792.D
 Acq: 19 Jan 2022 10:26

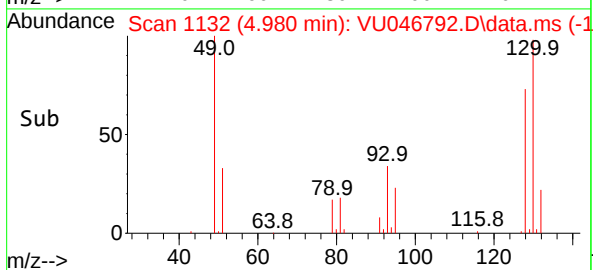
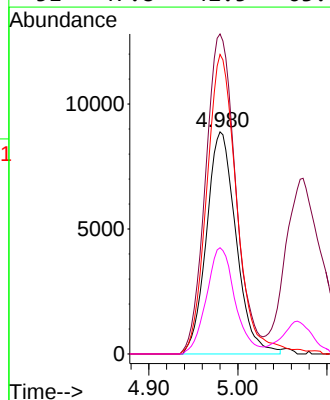
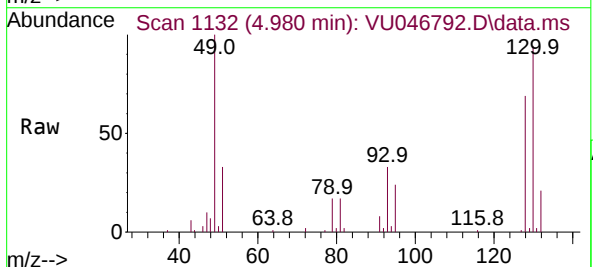
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005166

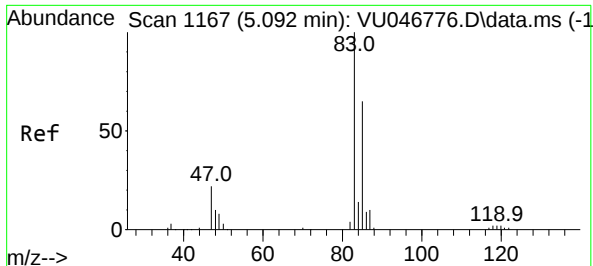
Tgt Ion: 96 Resp: 42825
 Ion Ratio Lower Upper
 96 100
 61 119.5 88.5 164.3
 98 62.8 44.4 82.5



#23
 Bromochloromethane
 Concen: 4.900 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. 0.000 min
 Lab File: VU046792.D
 Acq: 19 Jan 2022 10:26

Tgt Ion: 128 Resp: 20455
 Ion Ratio Lower Upper
 128 100
 49 144.1 117.0 217.2
 130 134.9 88.2 163.8
 51 47.8 42.5 63.7





#25

Chloroform

Concen: 3.414 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

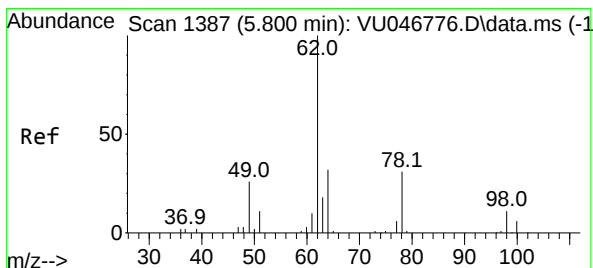
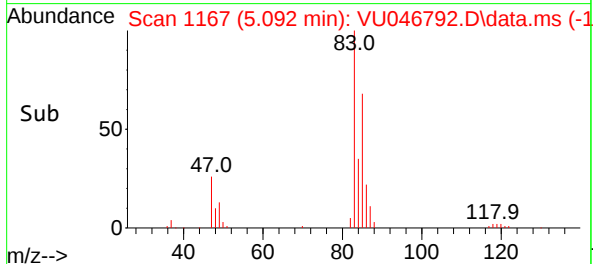
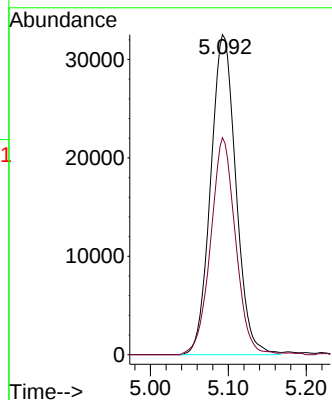
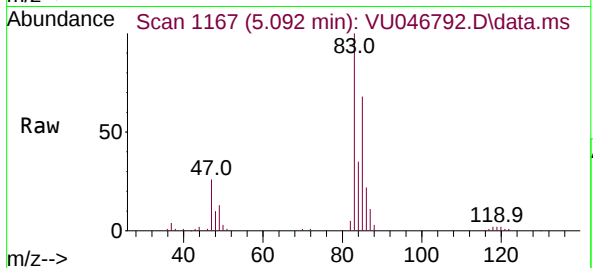
VSTD005166

Tgt Ion: 83 Resp: 73177

Ion Ratio Lower Upper

83 100

85 67.8 46.9 87.1



#27

1,2-Dichloroethane

Concen: 5.131 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU046792.D

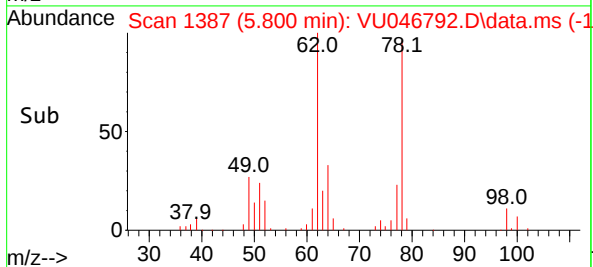
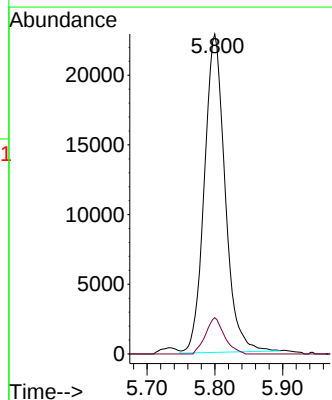
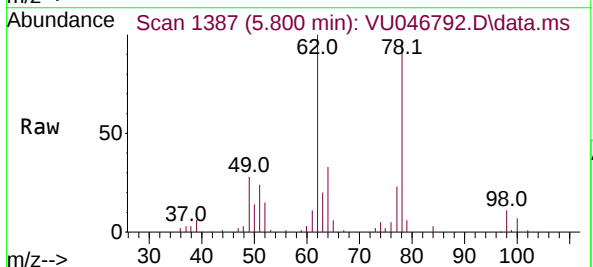
Acq: 19 Jan 2022 10:26

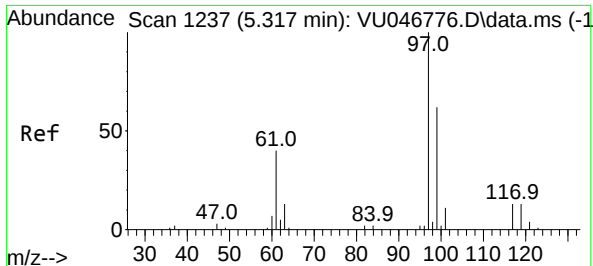
Tgt Ion: 62 Resp: 48543

Ion Ratio Lower Upper

62 100

98 11.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.947 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005166

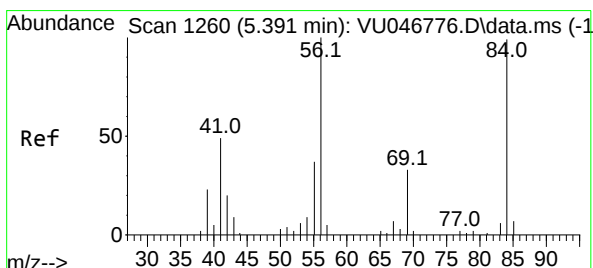
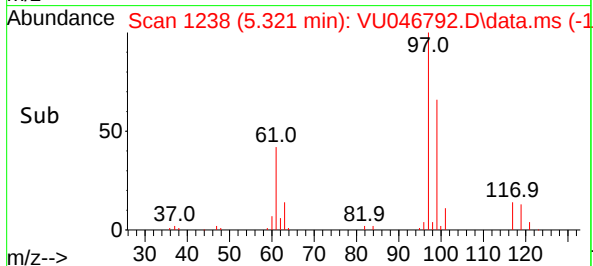
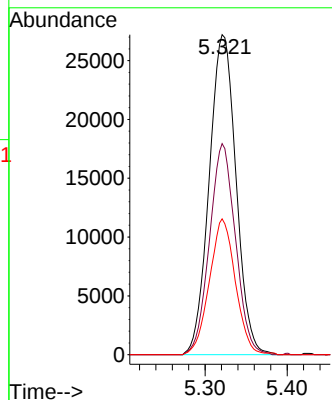
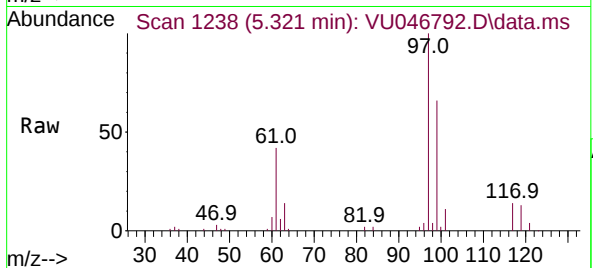
Tgt Ion: 97 Resp: 61949

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 41.0 36.1 54.1



#30

Cyclohexane

Concen: 4.871 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.003 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

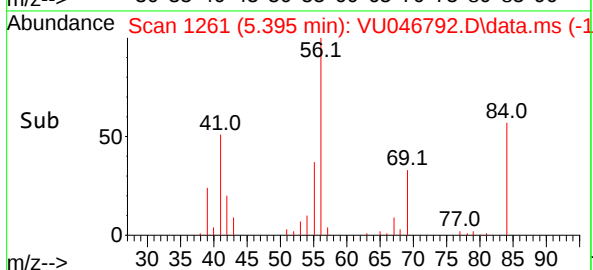
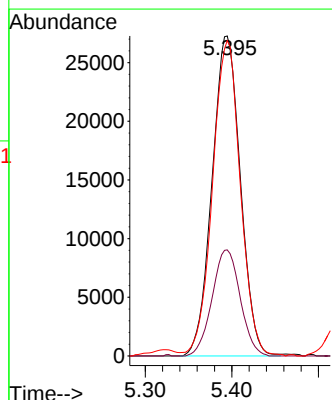
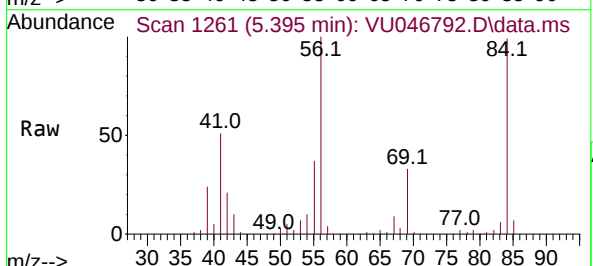
Tgt Ion: 56 Resp: 61860

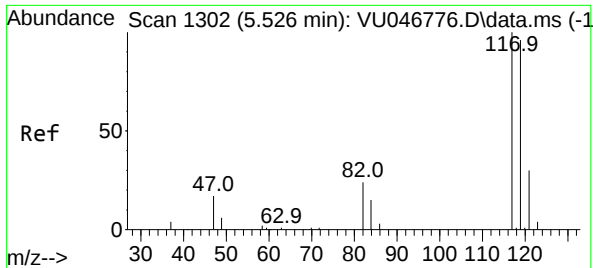
Ion Ratio Lower Upper

56 100

69 32.9 24.7 37.1

84 97.0 71.8 107.6

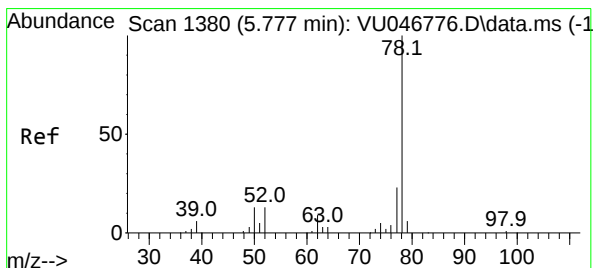
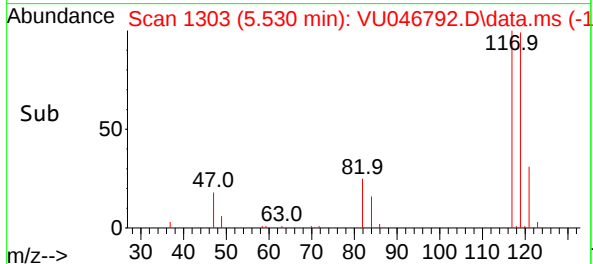
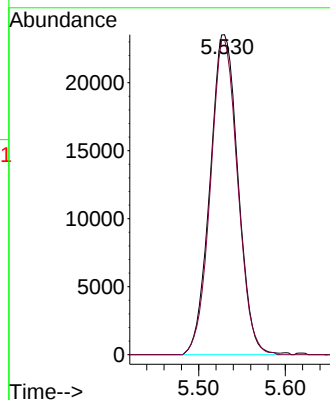
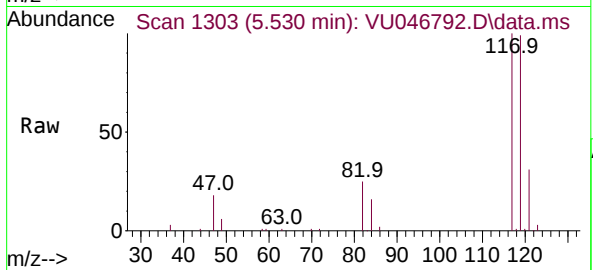




#31
Carbon tetrachloride
Concen: 4.929 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

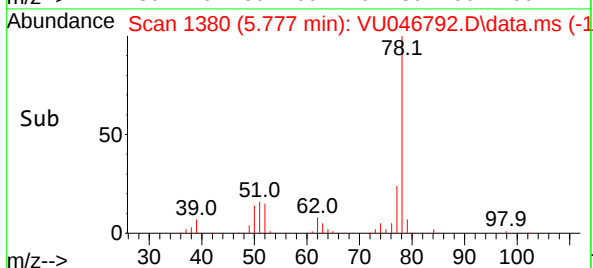
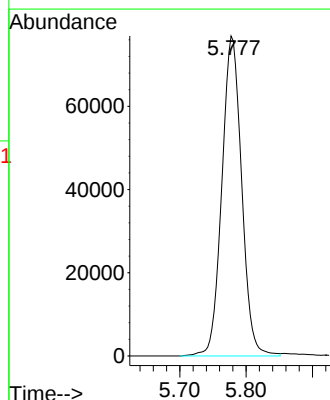
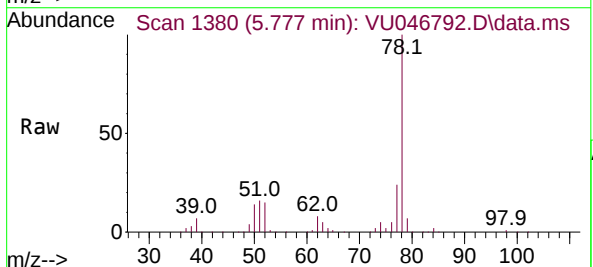
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

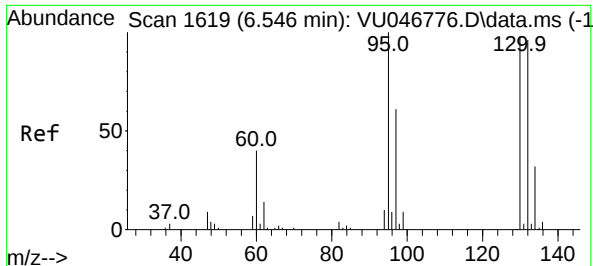
Tgt Ion:117 Resp: 52954
Ion Ratio Lower Upper
117 100
119 95.8 77.5 116.3



#33
Benzene
Concen: 4.865 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion: 78 Resp: 159232

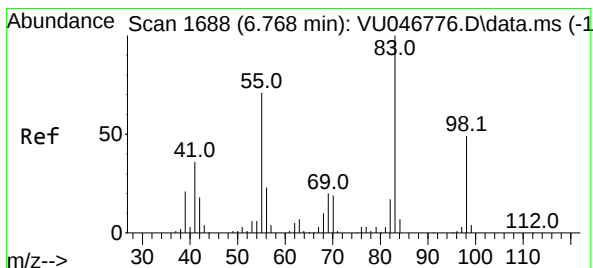
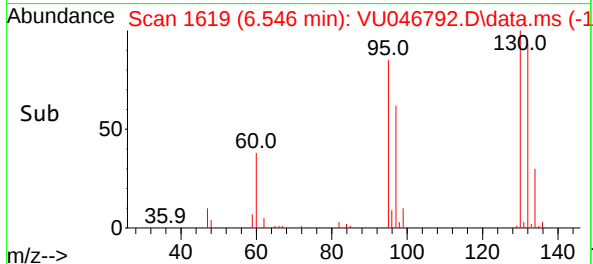
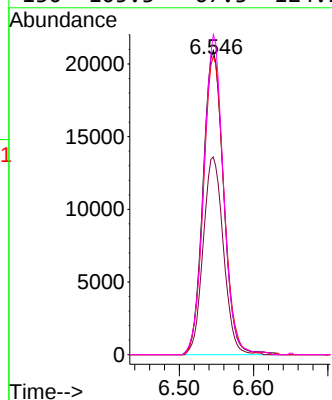
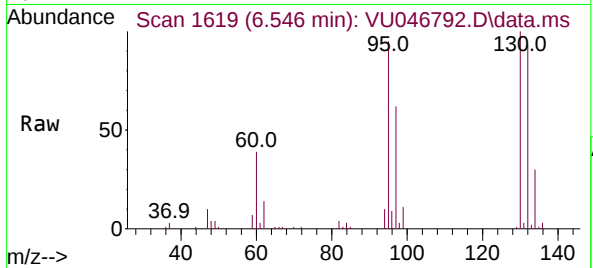




#34
Trichloroethene
Concen: 4.733 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

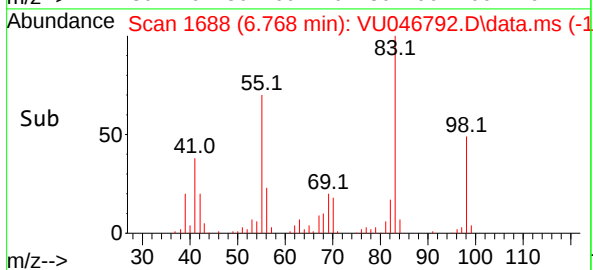
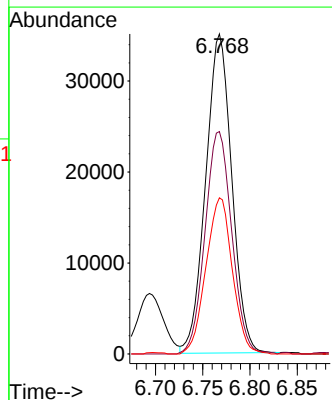
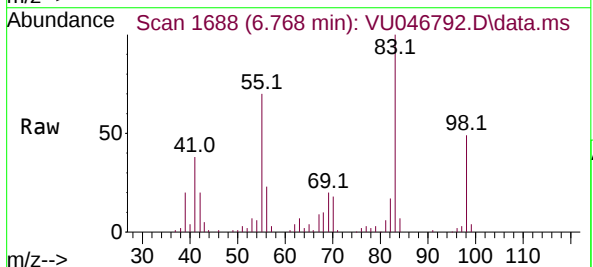
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

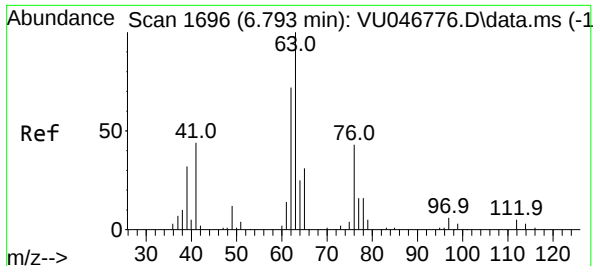
Tgt Ion: 95 Resp: 40221
Ion Ratio Lower Upper
95 100
97 65.1 46.5 86.5
132 98.2 65.1 120.9
130 105.3 67.3 124.9



#35
Methylcyclohexane
Concen: 4.732 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion: 83 Resp: 67365
Ion Ratio Lower Upper
83 100
55 71.4 61.9 92.9
98 49.6 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.019 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

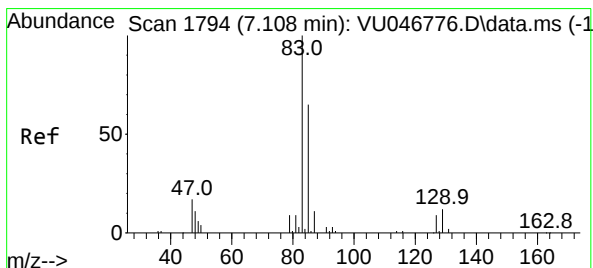
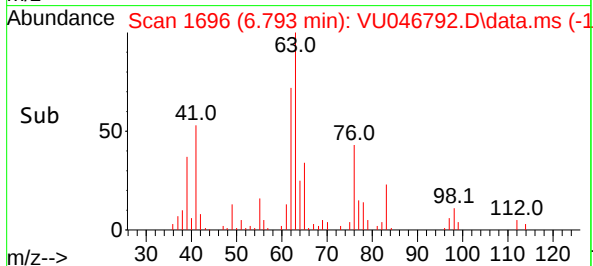
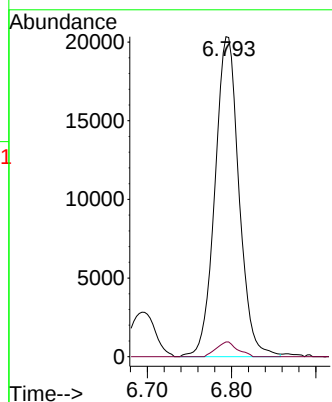
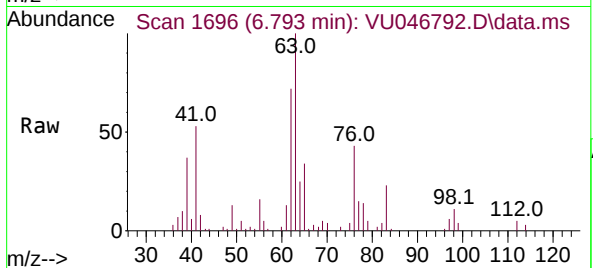
VSTD005166

Tgt Ion: 63 Resp: 40304

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 4.559 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

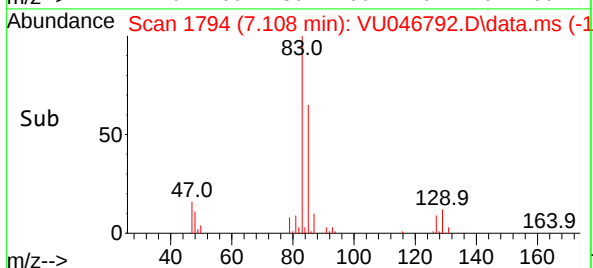
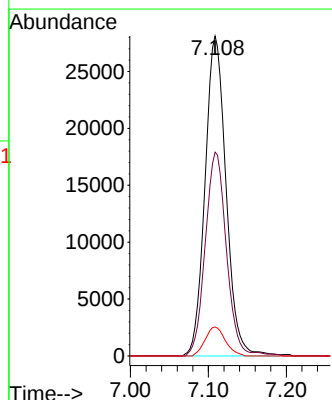
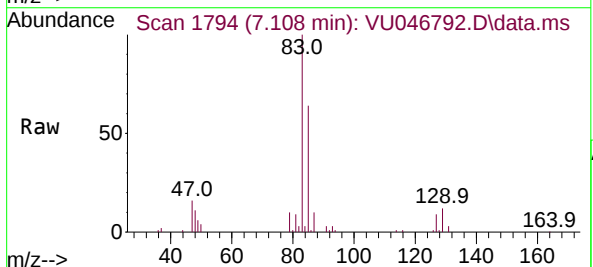
Tgt Ion: 83 Resp: 52684

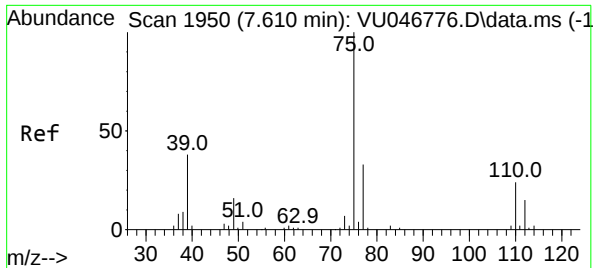
Ion Ratio Lower Upper

83 100

85 63.7 44.0 81.8

127 9.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.848 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

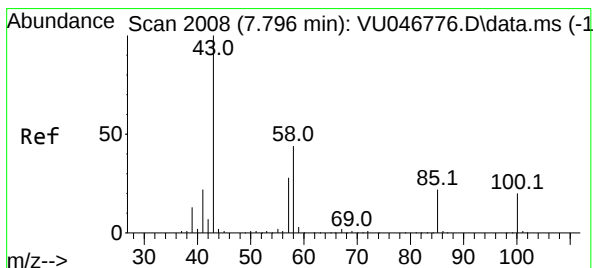
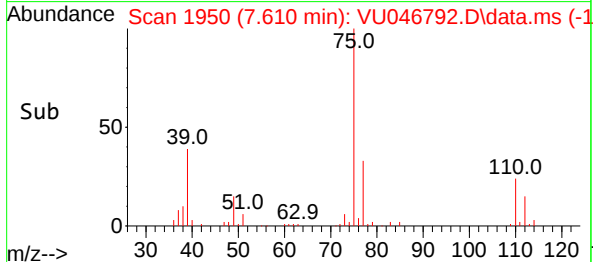
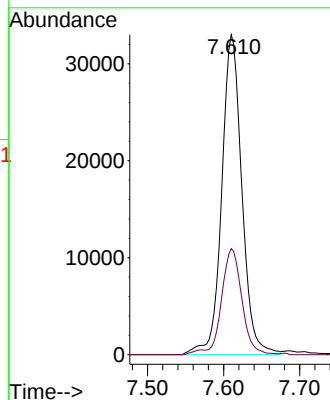
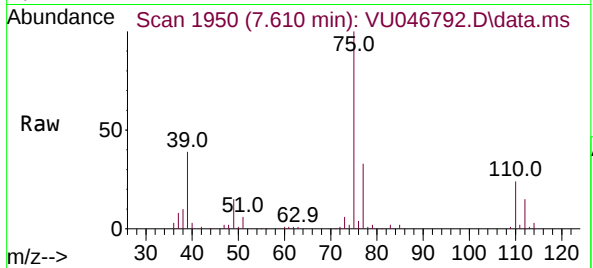
VSTD005166

Tgt Ion: 75 Resp: 60735

Ion Ratio Lower Upper

75 100

77 33.1 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 53.318 ug/L

RT: 7.797 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

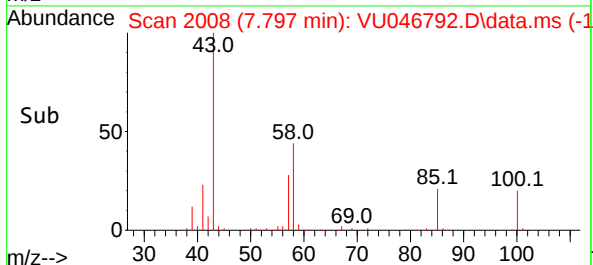
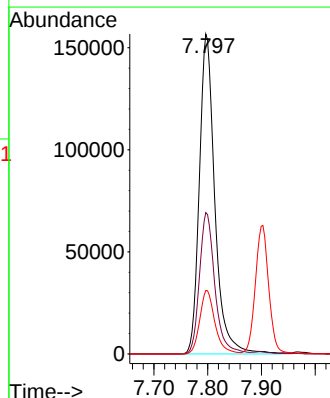
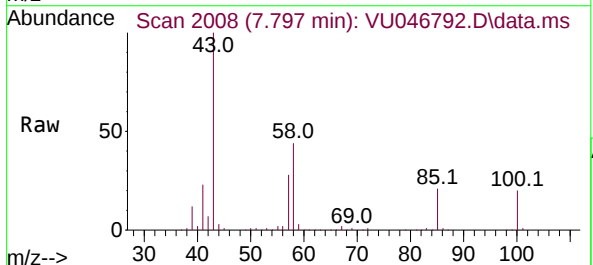
Tgt Ion: 43 Resp: 313855

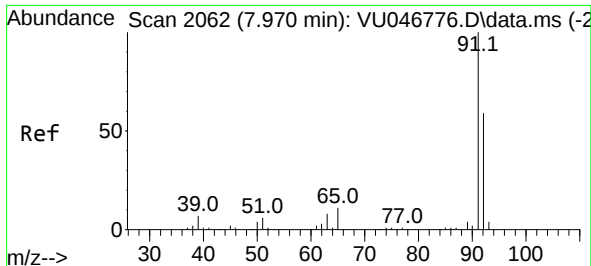
Ion Ratio Lower Upper

43 100

58 44.0 33.1 49.7

100 19.5 13.2 19.8





#42

Toluene

Concen: 4.612 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

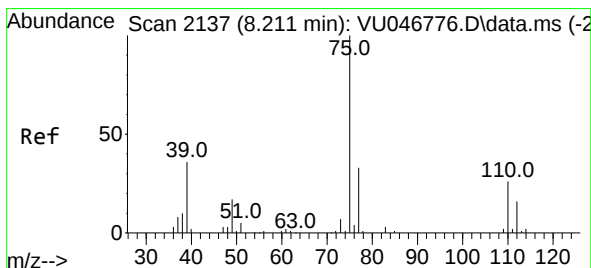
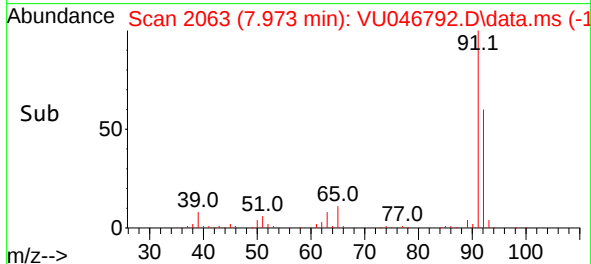
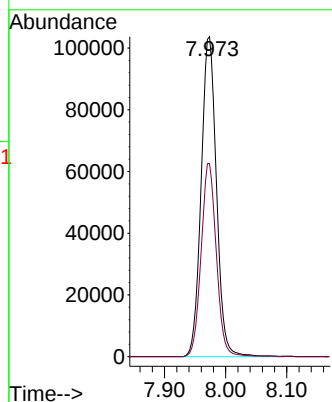
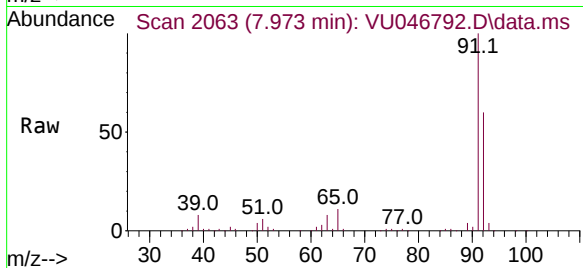
VSTD005166

Tgt Ion: 91 Resp: 180427

Ion Ratio Lower Upper

91 100

92 60.4 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.990 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU046792.D

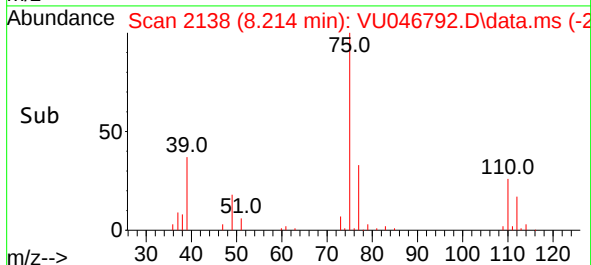
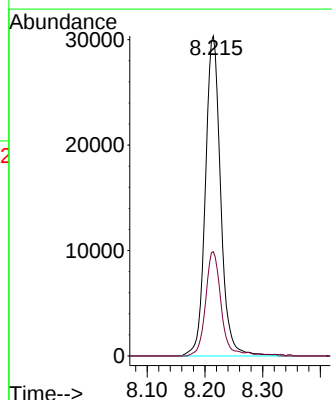
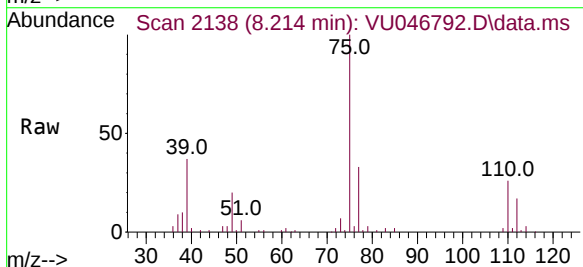
Acq: 19 Jan 2022 10:26

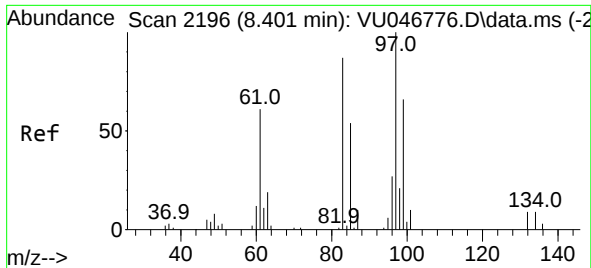
Tgt Ion: 75 Resp: 55699

Ion Ratio Lower Upper

75 100

77 32.6 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 5.159 ug/L

RT: 8.404 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005166

Tgt Ion: 97 Resp: 35241

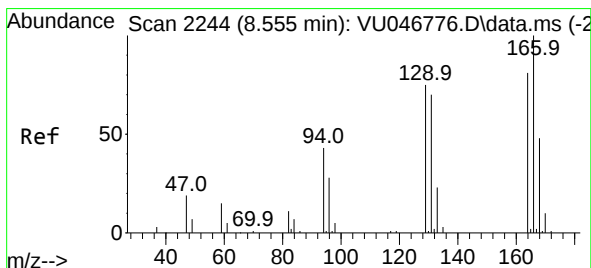
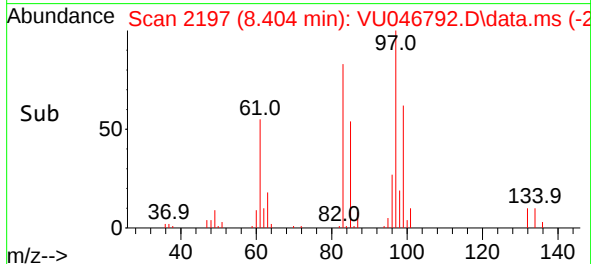
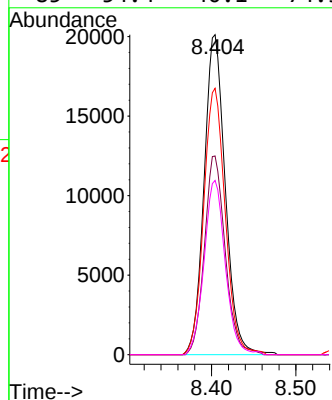
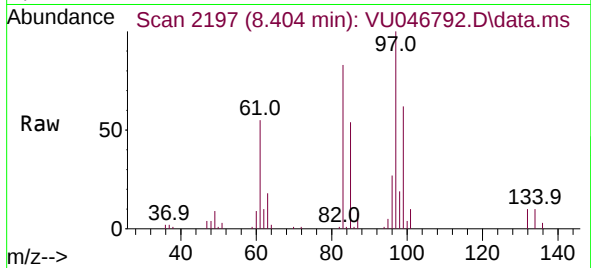
Ion Ratio Lower Upper

97 100

99 62.1 42.3 78.5

83 83.3 62.0 115.2

85 54.4 40.1 74.5



#47

Tetrachloroethene

Concen: 4.770 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Tgt Ion:164 Resp: 32971

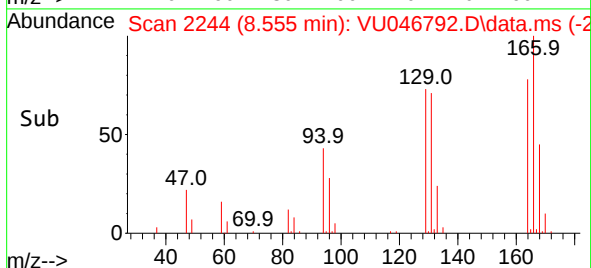
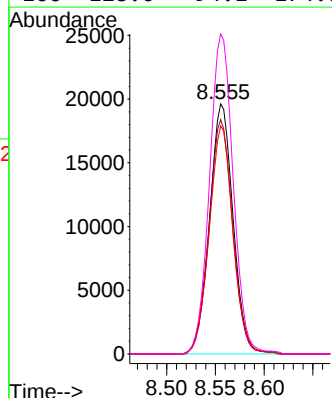
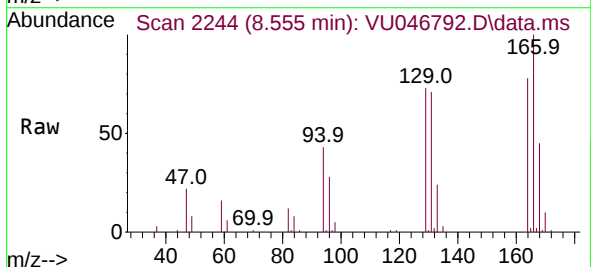
Ion Ratio Lower Upper

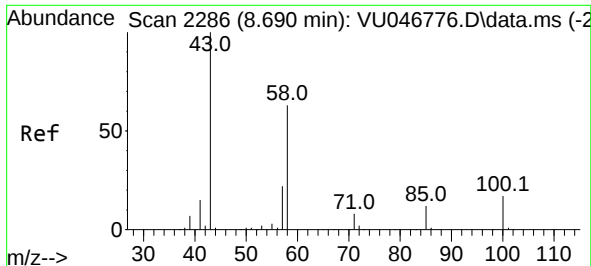
164 100

129 93.7 71.8 133.4

131 91.2 68.5 127.3

166 128.0 94.1 174.8



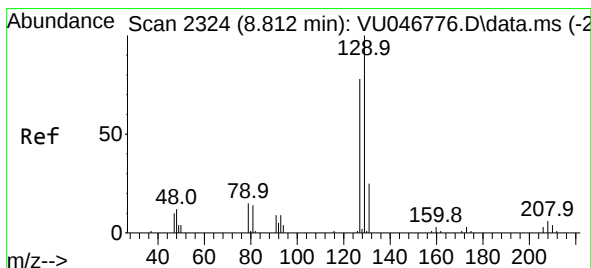
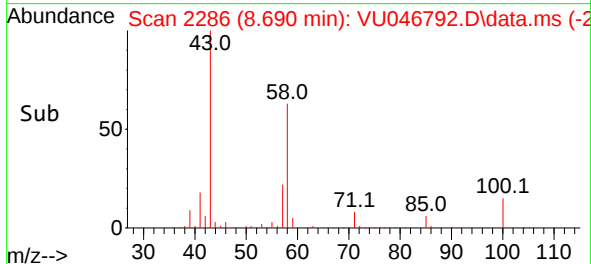
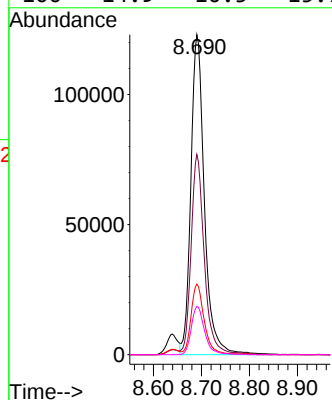
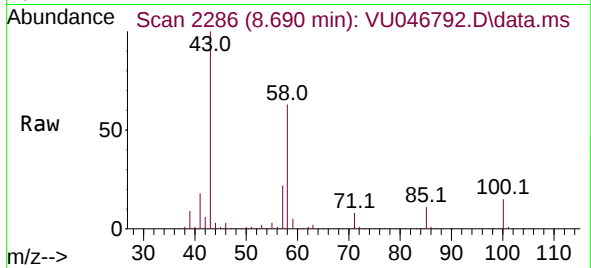


#48
2-Hexanone
Concen: 54.349 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

Tgt Ion: 43 Resp: 241485

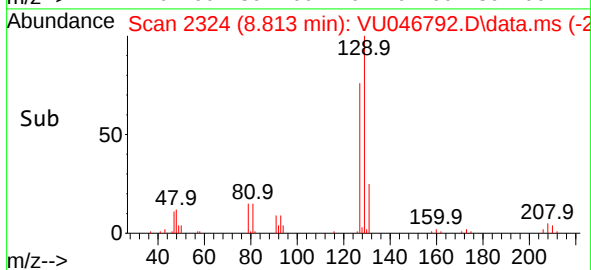
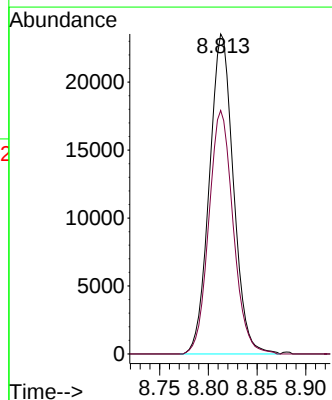
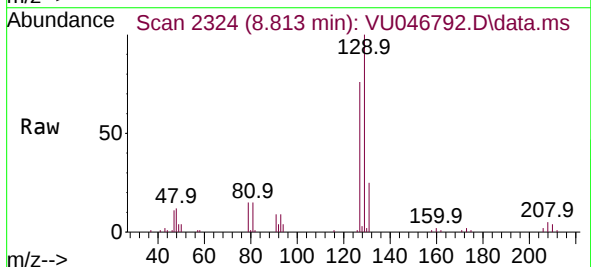
Ion	Ratio	Lower	Upper
43	100		
58	60.6	46.7	70.1
57	20.9	16.3	24.5
100	14.9	10.5	15.7

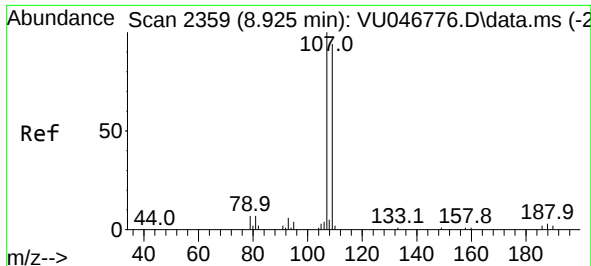


#49
Dibromochloromethane
Concen: 5.014 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion: 129 Resp: 40403

Ion	Ratio	Lower	Upper
129	100		
127	76.1	55.4	102.8





#50

1,2-Dibromoethane

Concen: 4.982 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

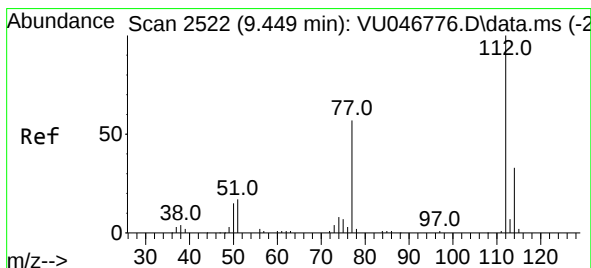
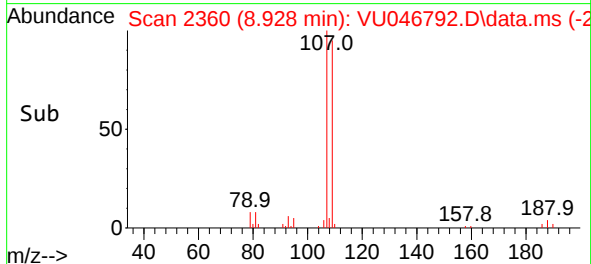
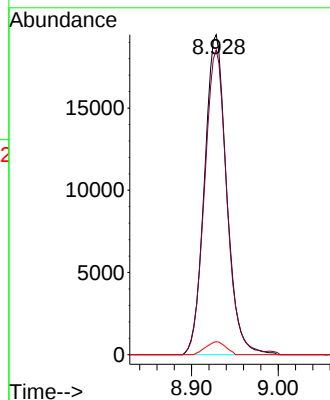
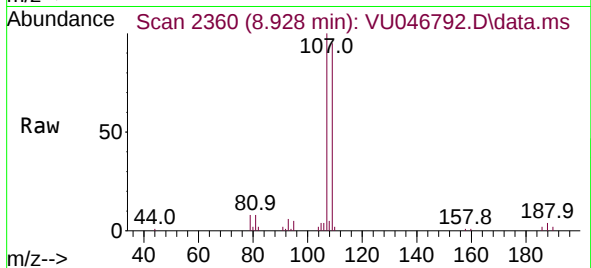
Instrument :

MSVOA_U

ClientSampleId :

VSTD005166

Tgt Ion:107	Resp:	34495
Ion Ratio	Lower	Upper
107	100	
109	95.2	64.0 119.0
188	4.0	2.4 3.6#



#51

Chlorobenzene

Concen: 4.890 ug/L

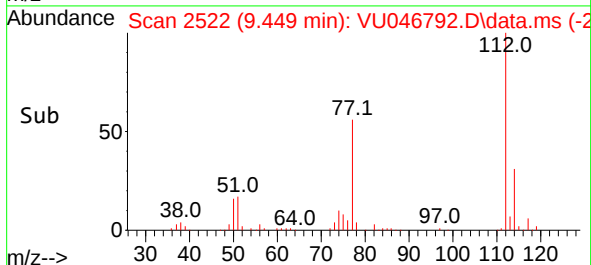
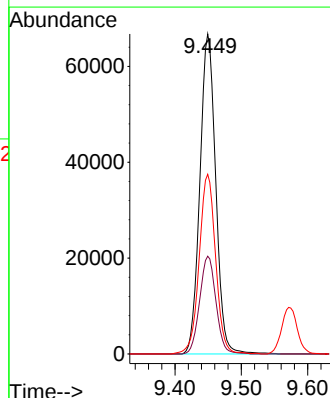
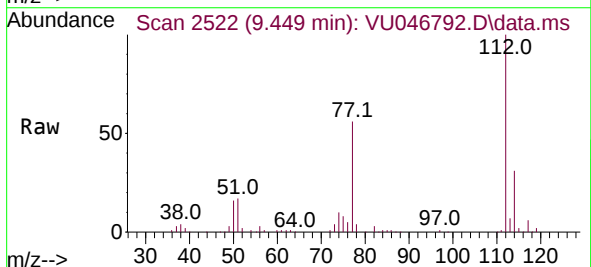
RT: 9.449 min Scan# 2522

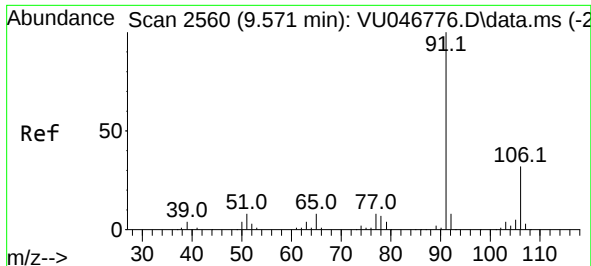
Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Tgt Ion:112	Resp:	111095
Ion Ratio	Lower	Upper
112	100	
114	30.5	22.1 41.1
77	56.2	48.3 72.5

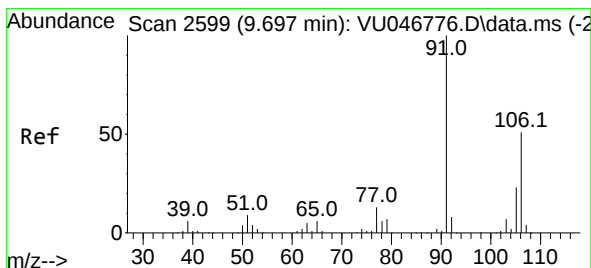
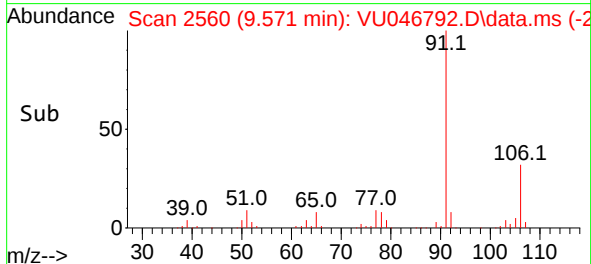
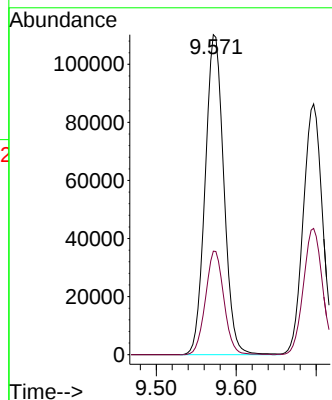
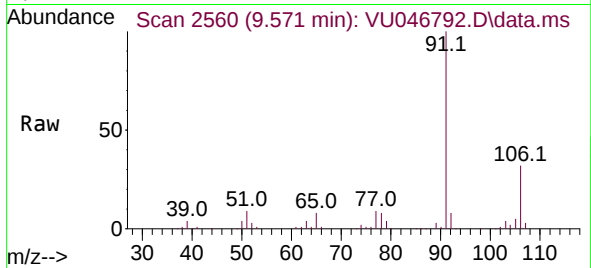




#52
Ethylbenzene
Concen: 4.816 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

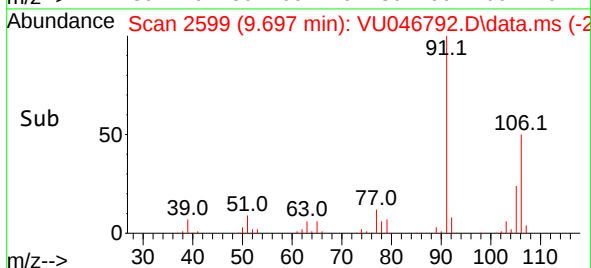
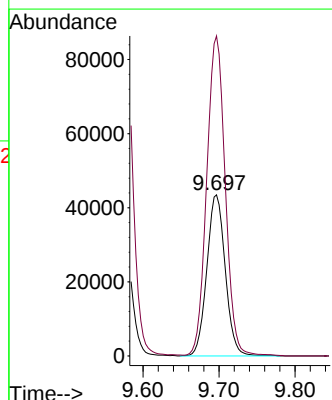
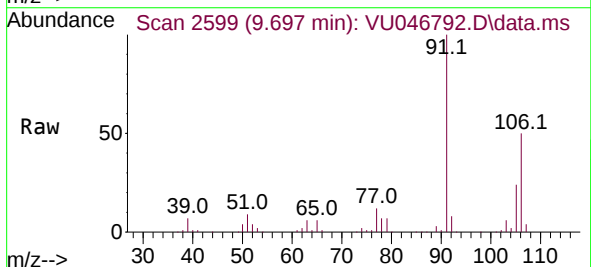
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

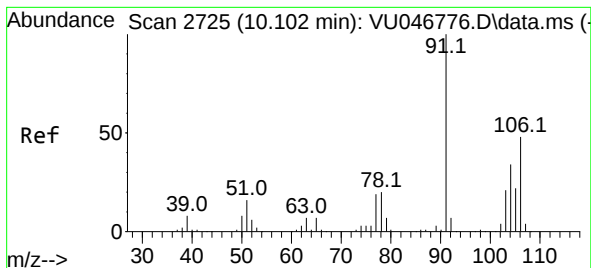
Tgt Ion: 91 Resp: 179128
Ion Ratio Lower Upper
91 100
106 32.3 21.5 39.9



#53
m,p-Xylene
Concen: 4.937 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion: 106 Resp: 73199
Ion Ratio Lower Upper
106 100
91 198.6 139.4 259.0





#54

o-Xylene

Concen: 4.870 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

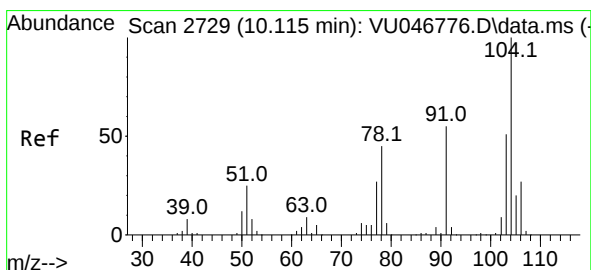
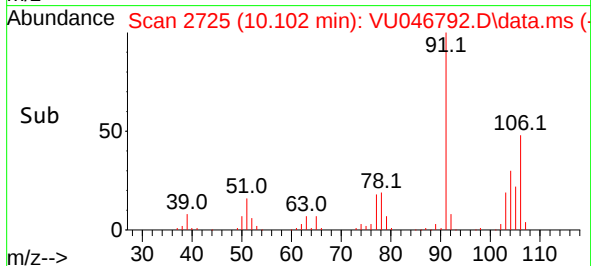
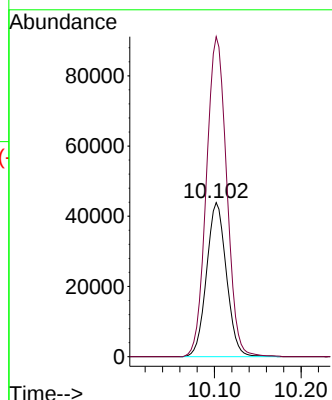
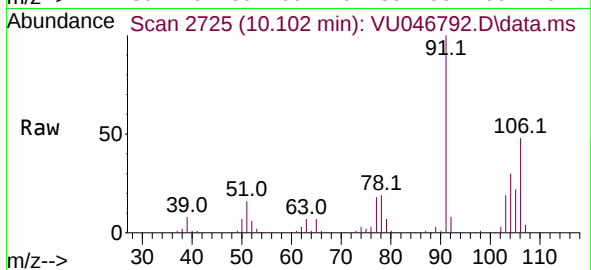
VSTD005166

Tgt Ion:106 Resp: 69990

Ion Ratio Lower Upper

106 100

91 207.7 147.5 273.9



#55

Styrene

Concen: 5.023 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.003 min

Lab File: VU046792.D

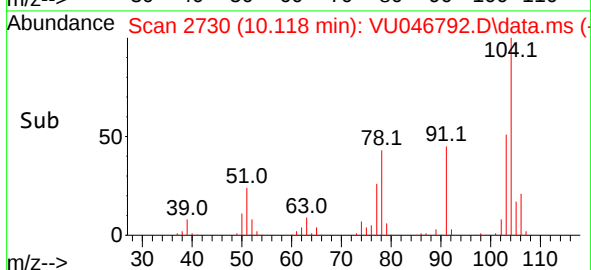
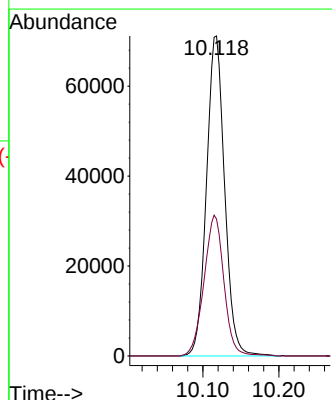
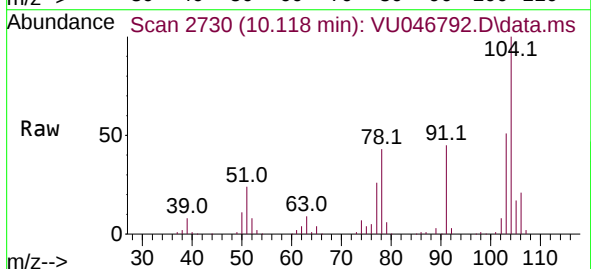
Acq: 19 Jan 2022 10:26

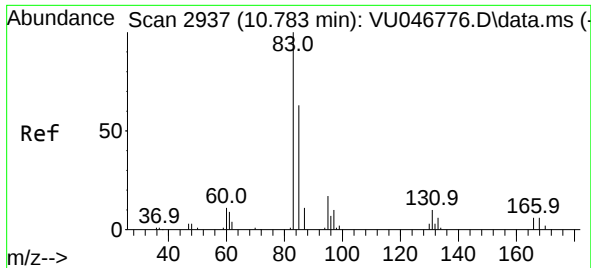
Tgt Ion:104 Resp: 118094

Ion Ratio Lower Upper

104 100

78 42.8 33.0 61.4

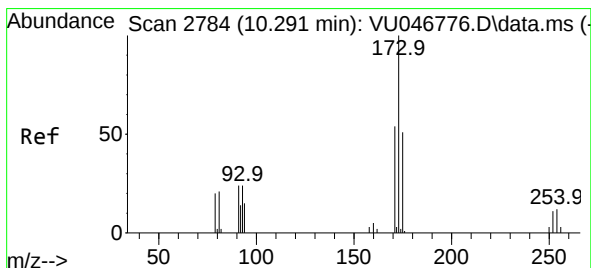
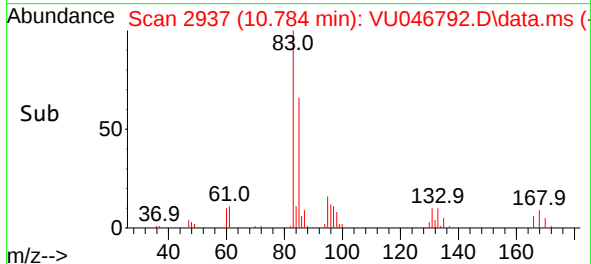
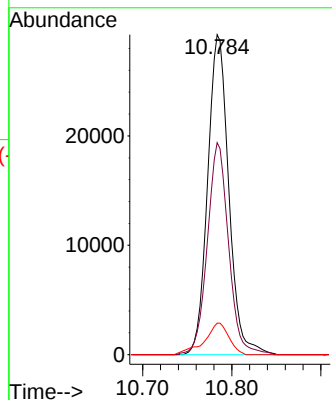
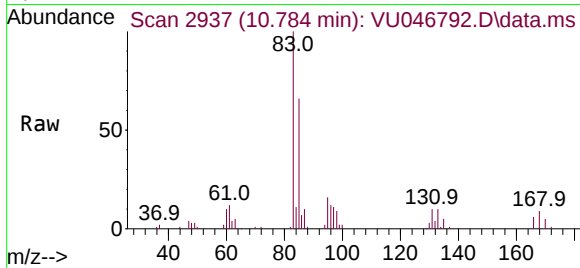




#57
1,1,2,2-Tetrachloroethane
Concen: 5.242 ug/L
RT: 10.784 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

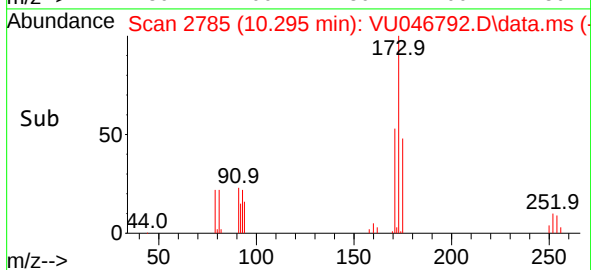
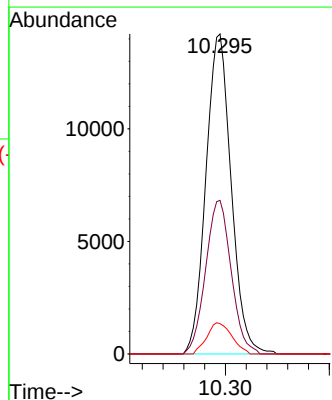
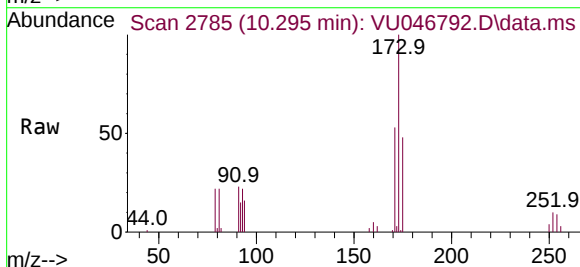
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

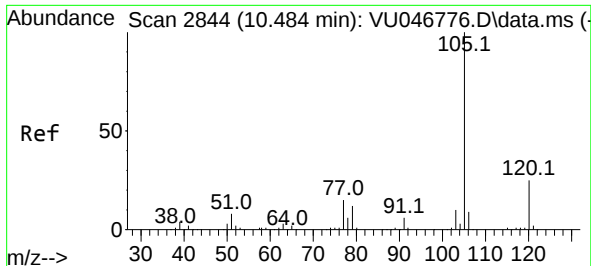
Tgt Ion: 83 Resp: 48154
Ion Ratio Lower Upper
83 100
85 66.2 47.9 89.1
131 9.8 8.1 12.1



#59
Bromoform
Concen: 4.970 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.003 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion:173 Resp: 23979
Ion Ratio Lower Upper
173 100
175 48.6 37.8 56.6
254 9.6 7.3 10.9

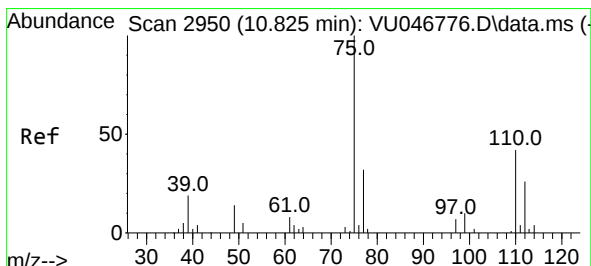
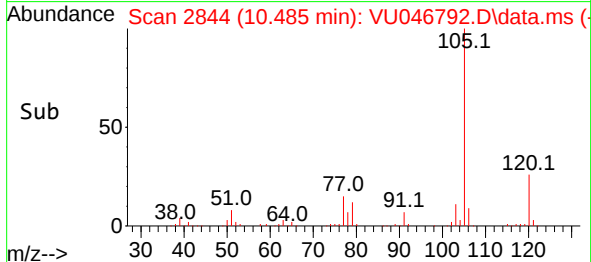
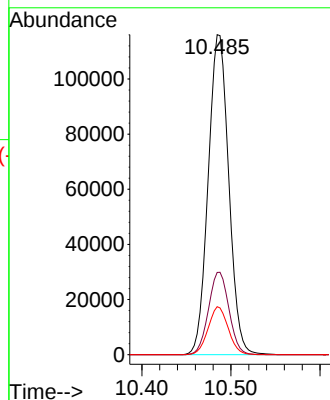
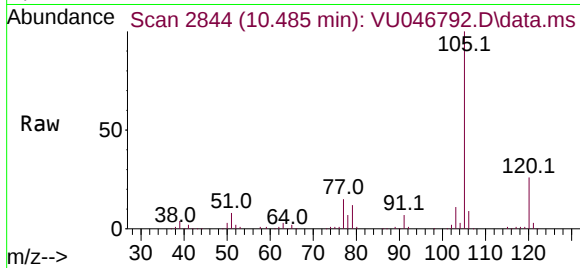




#60
Isopropylbenzene
Concen: 5.096 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

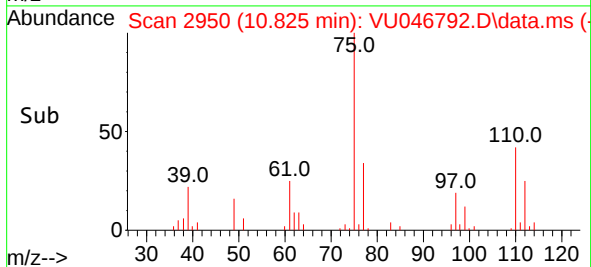
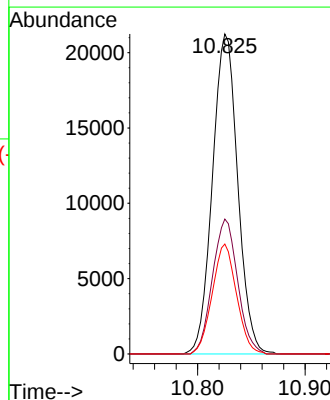
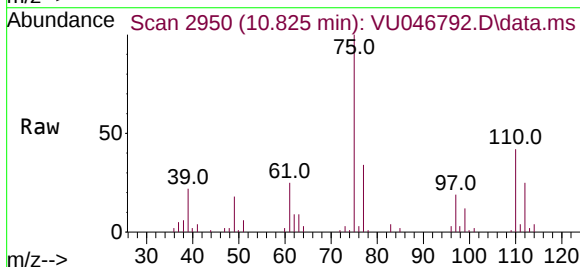
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

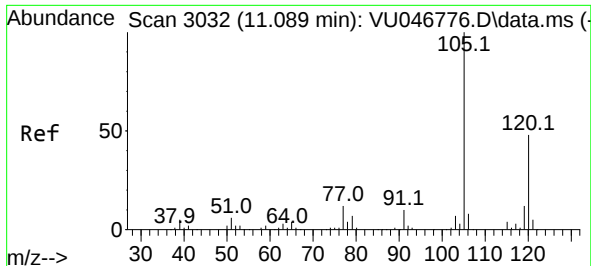
Tgt Ion:105 Resp: 186013
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 14.7 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.222 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion: 75 Resp: 34668
Ion Ratio Lower Upper
75 100
110 42.0 29.9 44.9
77 33.0 25.5 38.3

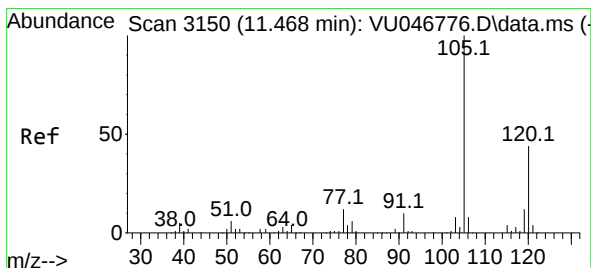
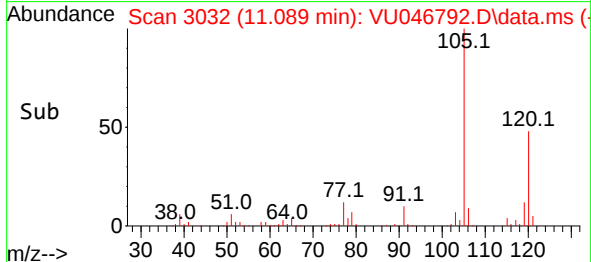
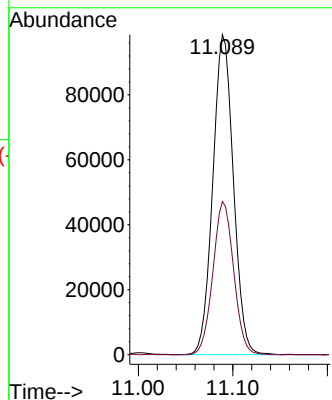
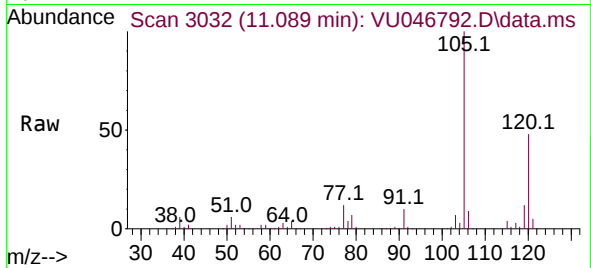




#62
 1,3,5-Trimethylbenzene
 Concen: 4.974 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU046792.D
 Acq: 19 Jan 2022 10:26

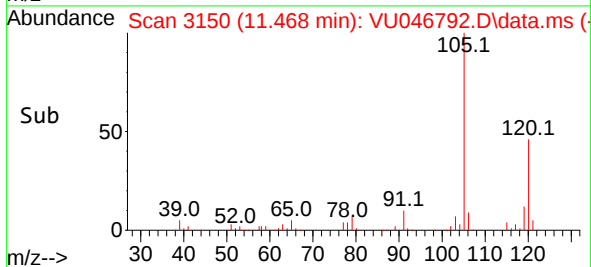
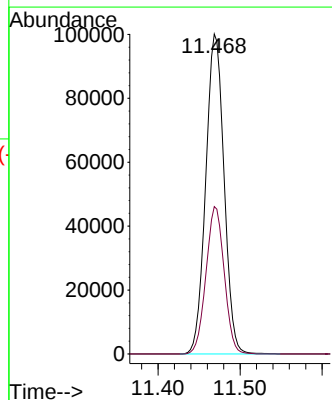
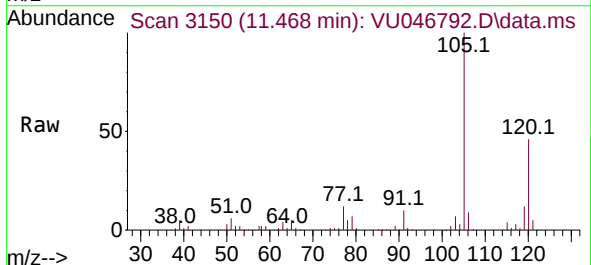
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005166

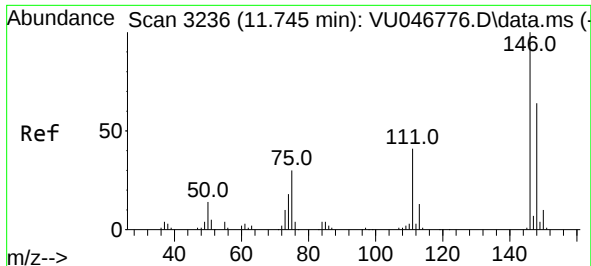
Tgt Ion:105 Resp: 149005
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 5.031 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU046792.D
 Acq: 19 Jan 2022 10:26

Tgt Ion:105 Resp: 155105
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.8 53.8

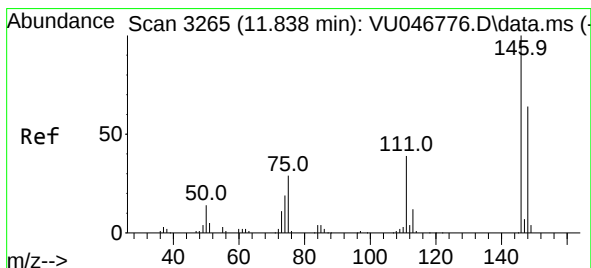
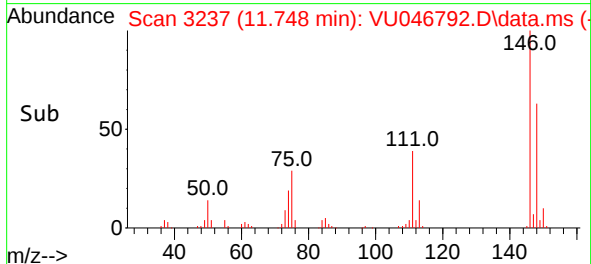
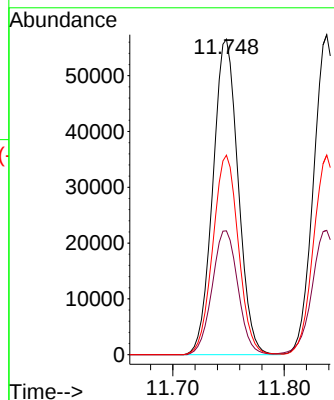
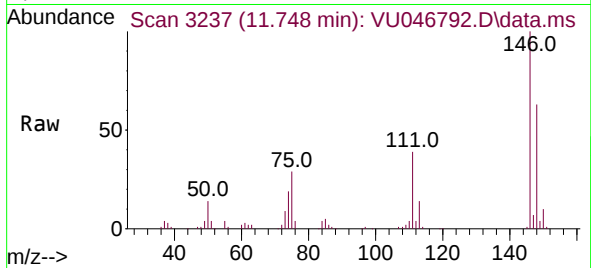




#64
1,3-Dichlorobenzene
Concen: 4.889 ug/L
RT: 11.748 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

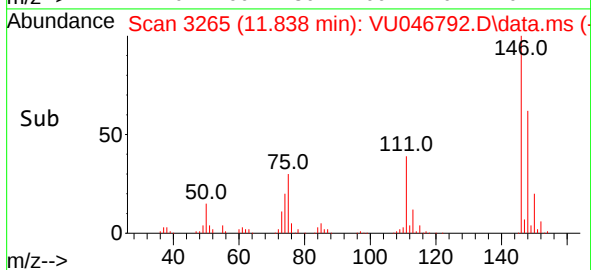
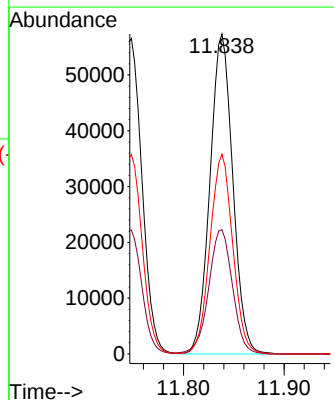
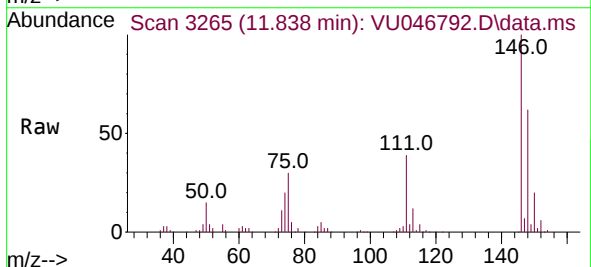
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

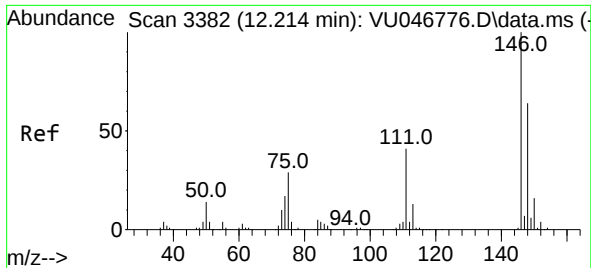
Tgt Ion:146 Resp: 89196
Ion Ratio Lower Upper
146 100
111 39.3 29.9 55.5
148 63.2 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.930 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion:146 Resp: 90522
Ion Ratio Lower Upper
146 100
111 38.8 28.7 53.3
148 62.4 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 4.876 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005166

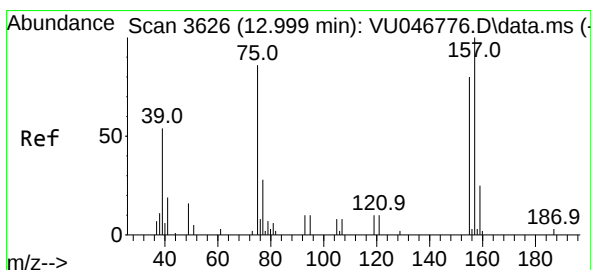
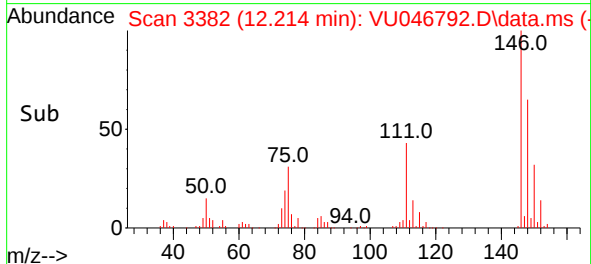
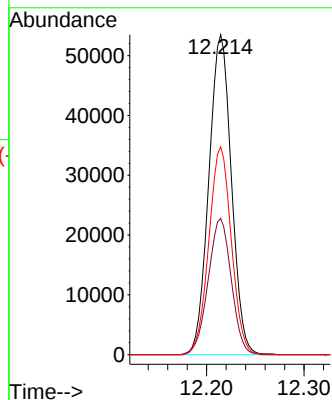
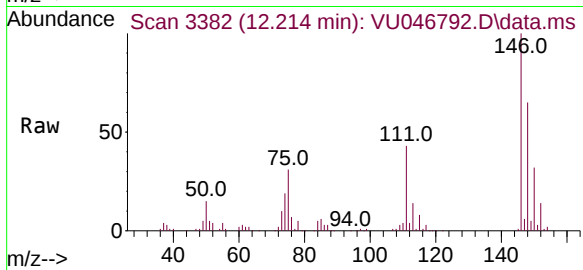
Tgt Ion:146 Resp: 86043

Ion Ratio Lower Upper

146 100

111 42.6 35.4 53.0

148 64.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.099 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU046792.D

Acq: 19 Jan 2022 10:26

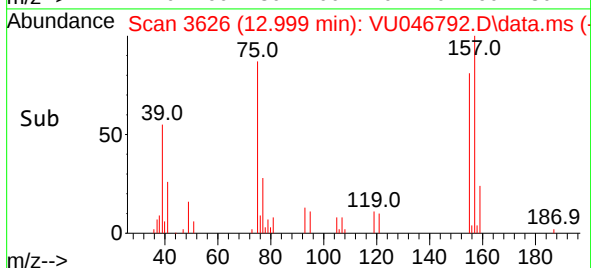
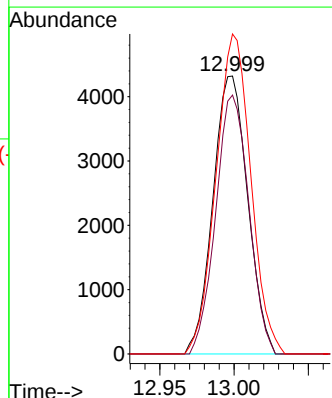
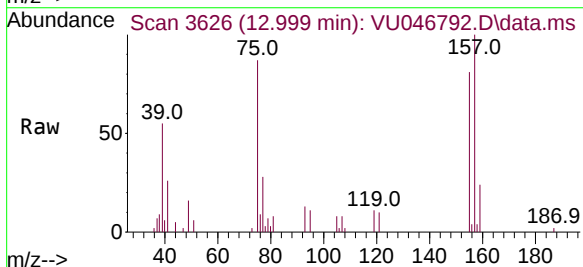
Tgt Ion: 75 Resp: 7027

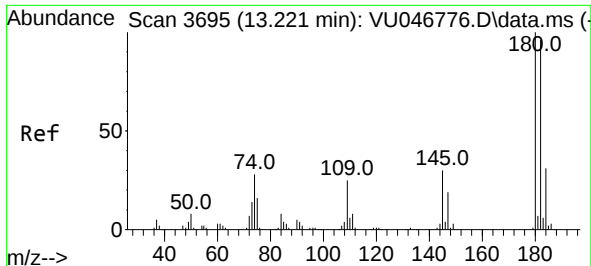
Ion Ratio Lower Upper

75 100

155 93.1 59.2 88.8#

157 115.1 76.5 114.7#

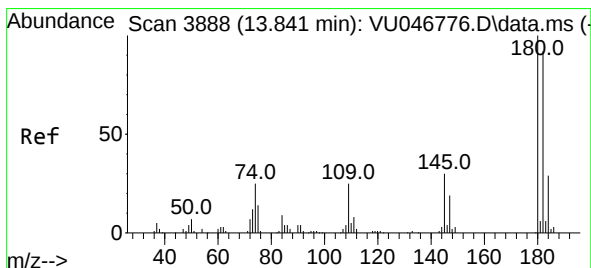
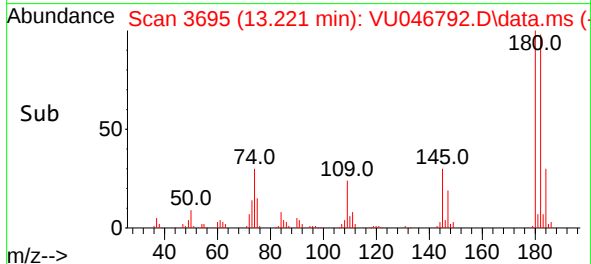
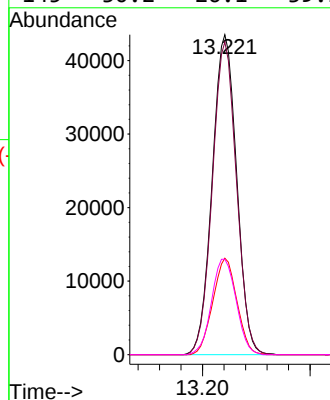
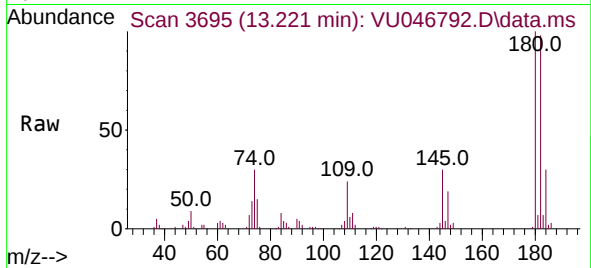




#69
1,3,5-Trichlorobenzene
Concen: 4.755 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

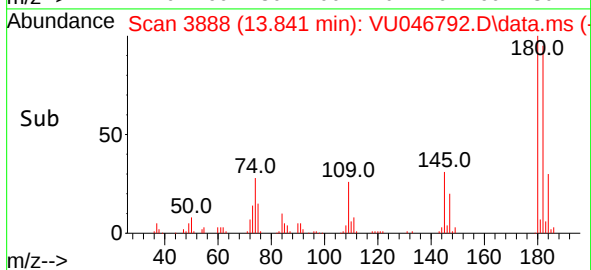
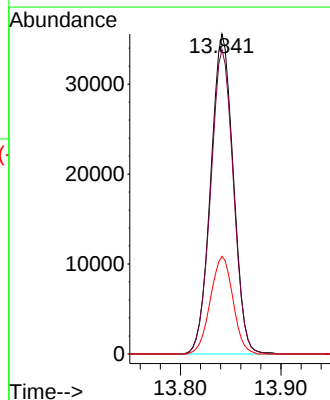
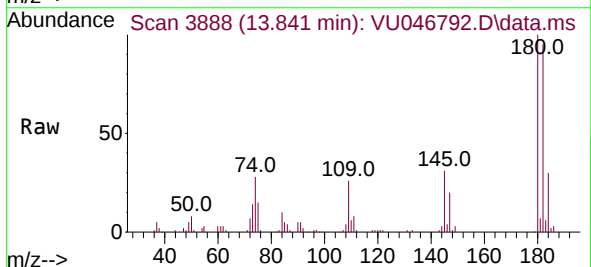
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

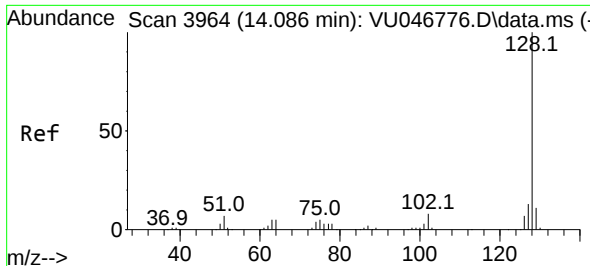
Tgt Ion:180	Resp:	68396
Ion Ratio	Lower	Upper
180	100	
182	96.5	76.1 114.1
184	29.7	25.0 37.4
145	30.2	26.1 39.1



#70
1,2,4-trichlorobenzene
Concen: 4.615 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion:180	Resp:	55494
Ion Ratio	Lower	Upper
180	100	
182	95.6	76.4 114.6
145	30.4	25.6 38.4

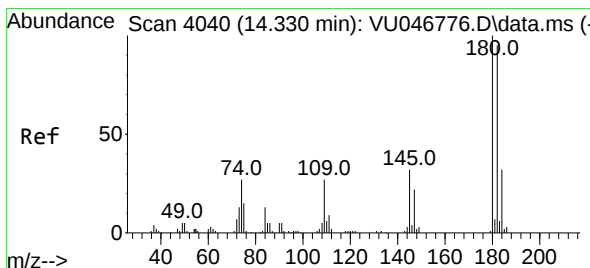
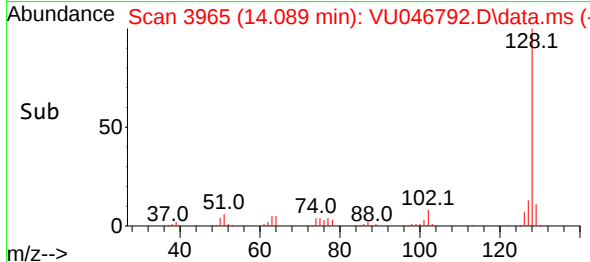
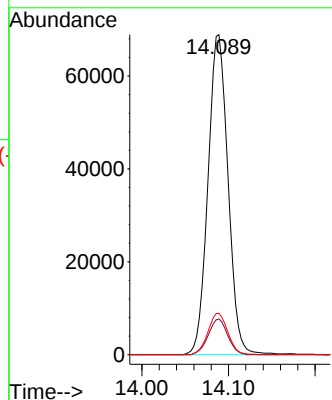
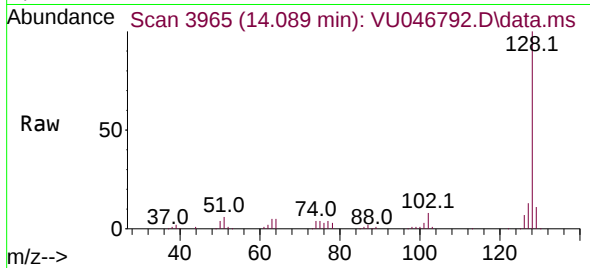




#71
Naphthalene
Concen: 4.530 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

Tgt Ion:128 Resp: 110897
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: 4.771 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU046792.D
Acq: 19 Jan 2022 10:26

Tgt Ion:180 Resp: 54195
Ion Ratio Lower Upper
180 100
182 96.5 76.2 114.4
145 33.2 28.4 42.6

