

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122721\
 Data File : VU046592.D
 Acq On : 27 Dec 2021 11:25
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

Quant Time: Dec 28 04:50:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 24 04:54:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	100139	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	98062	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	55780	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	38186	4.841	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	96.800%	
7) Chloroethane-d5	1.919	69	31479	5.068	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	101.400%	
11) 1,1-Dichloroethene-d2	2.572	65	17108	5.144	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	102.800%	
20) 2-Butanone-d5	4.658	46	141612	61.895	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	123.800%	
24) Chloroform-d	5.070	84	78775	5.450	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	109.000%	
26) 1,2-Dichloroethane-d4	5.706	65	45673	5.528	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	110.600%	
32) Benzene-d6	5.732	84	149194	5.458	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	109.200%	
36) 1,2-Dichloropropane-d6	6.694	67	45337	5.519	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	110.400%	
41) Toluene-d8	7.902	98	137615	5.547	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	111.000%	
43) trans-1,3-Dichloroprop...	8.182	79	20618	5.427	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	108.600%	
46) 2-Hexanone-d5	8.639	63	137796	61.779	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	123.560%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	48426	5.744	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	114.800%	
66) 1,2-Dichlorobenzene-d4	12.195	152	54886	5.342	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	106.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	72421	4.726	ug/L	100
3) Chloromethane	1.523	50	51072	3.870	ug/L	98
5) Vinyl chloride	1.610	62	54350	4.183	ug/L	99
6) Bromomethane	1.864	94	32997	4.219	ug/L	99
8) Chloroethane	1.941	64	33309	4.367	ug/L	96
9) Trichlorofluoromethane	2.147	101	83891	4.937	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	47408	5.480	ug/L	96
12) 1,1-Dichloroethene	2.588	96	41360	4.695	ug/L	81
13) Acetone	2.694	43	119667	55.787	ug/L	53
14) Carbon disulfide	2.800	76	99649	3.463	ug/L	100
15) Methyl Acetate	2.970	43	17906	4.133	ug/L #	74
16) Methylene chloride	3.054	84	48870	4.559	ug/L	95
17) Methyl tert-butyl Ether	3.369	73	137637	5.356	ug/L	98
18) trans-1,2-Dichloroethene	3.359	96	43141	4.591	ug/L	93
19) 1,1-Dichloroethane	3.877	63	83433	4.819	ug/L	99
21) 2-Butanone	4.735	43	191533	58.852	ug/L	96
22) cis-1,2-Dichloroethene	4.674	96	51050	4.970	ug/L	99
23) Bromochloromethane	4.980	128	24565	4.805	ug/L	90
25) Chloroform	5.096	83	93292	4.989	ug/L	99

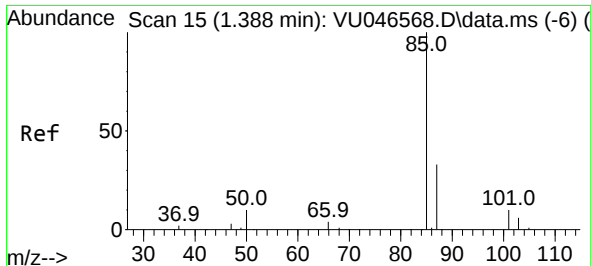
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122721\
 Data File : VU046592.D
 Acq On : 27 Dec 2021 11:25
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 Sample : VSTDCCC005
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

Quant Time: Dec 28 04:50:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 24 04:54:59 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	64311	4.817	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	84533	5.213	ug/L	98
30) Cyclohexane	5.395	56	65040	4.849	ug/L	94
31) Carbon tetrachloride	5.530	117	71386	5.247	ug/L	98
33) Benzene	5.777	78	188106	4.828	ug/L	100
34) Trichloroethene	6.546	95	49773	4.846	ug/L	97
35) Methylcyclohexane	6.768	83	75136	5.188	ug/L	95
37) 1,2-Dichloropropane	6.793	63	50431	5.074	ug/L #	97
38) Bromodichloromethane	7.108	83	70792	5.146	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	79841	5.307	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	415530	55.698	ug/L	95
42) Toluene	7.973	91	205725	5.144	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	75741	5.433	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	45184	5.272	ug/L	97
47) Tetrachloroethene	8.555	164	37386	5.144	ug/L	98
48) 2-Hexanone	8.690	43	316772	56.855	ug/L	96
49) Dibromochloromethane	8.812	129	53007	5.362	ug/L	96
50) 1,2-Dibromoethane	8.925	107	42452	5.131	ug/L #	99
51) Chlorobenzene	9.449	112	134622	5.266	ug/L	99
52) Ethylbenzene	9.571	91	228455	5.519	ug/L	99
53) m,p-Xylene	9.697	106	89237	5.627	ug/L	92
54) o-Xylene	10.105	106	87843	5.765	ug/L	97
55) Styrene	10.118	104	153954	5.825	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.787	83	61914	5.528	ug/L	98
59) Bromoform	10.295	173	33347	5.175	ug/L	100
60) Isopropylbenzene	10.488	105	238528	5.545	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	46342	5.002	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	202183	5.651	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	207184	5.750	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	112397	5.375	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	114862	5.366	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	111881	5.334	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	11191	5.219	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	89986	5.686	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	77654	5.793	ug/L	99
71) Naphthalene	14.089	128	179494	6.029	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	77212	5.818	ug/L	98

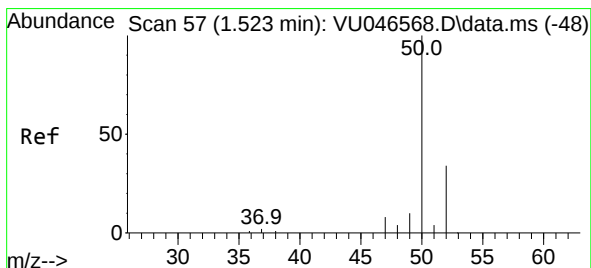
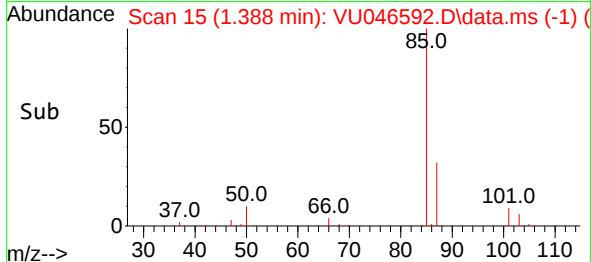
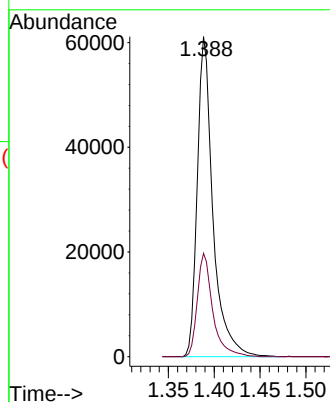
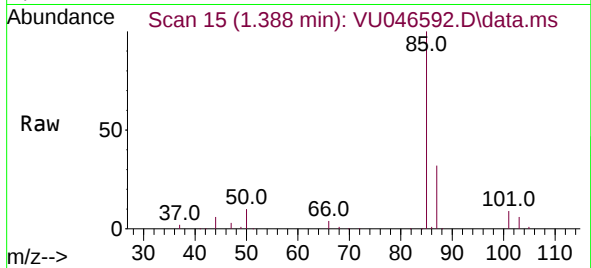
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#2
 Dichlorodifluoromethane
 Concen: 4.726 ug/L
 RT: 1.388 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU046592.D
 Acq: 27 Dec 2021 11:25

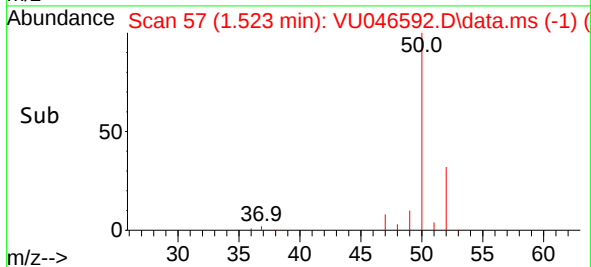
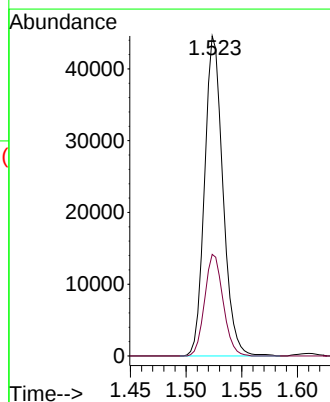
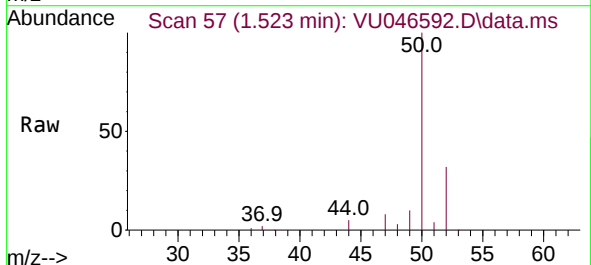
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

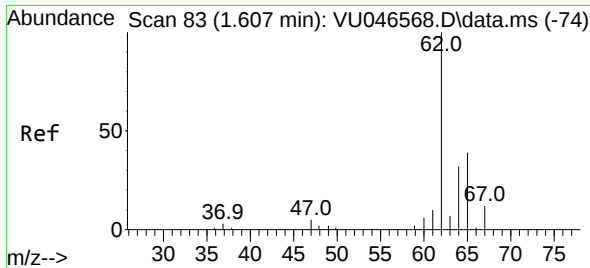
Tgt Ion: 85 Resp: 72421
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.8 38.6



#3
 Chloromethane
 Concen: 3.870 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.000 min
 Lab File: VU046592.D
 Acq: 27 Dec 2021 11:25

Tgt Ion: 50 Resp: 51072
 Ion Ratio Lower Upper
 50 100
 52 31.7 23.0 42.8

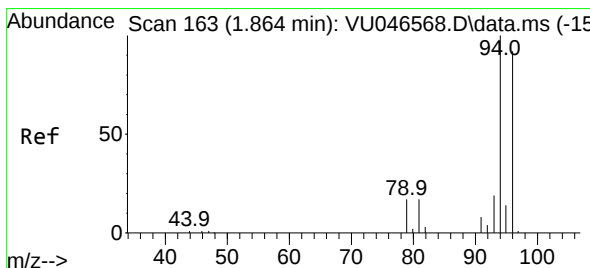
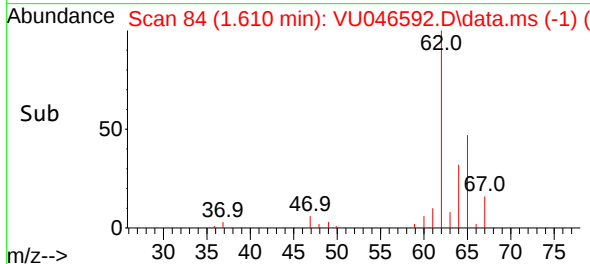
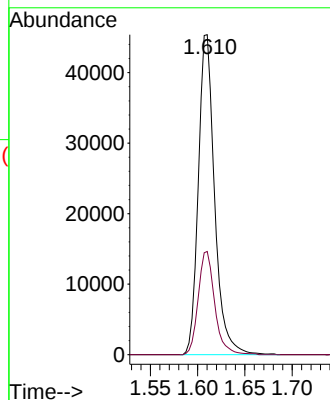
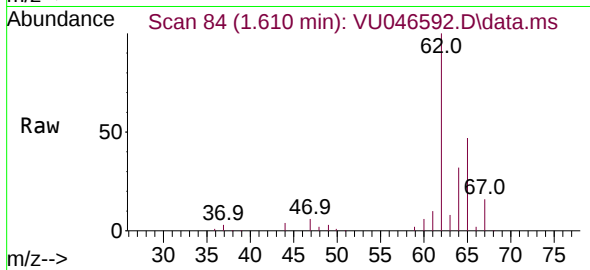




#5
 Vinyl chloride
 Concen: 4.183 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VU046592.D
 Acq: 27 Dec 2021 11:25

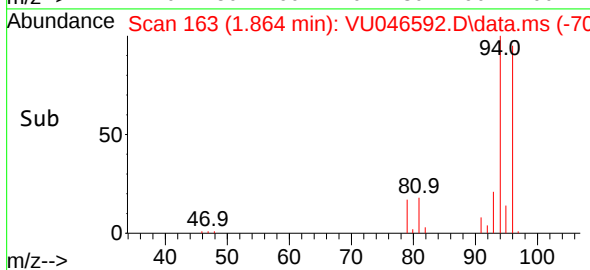
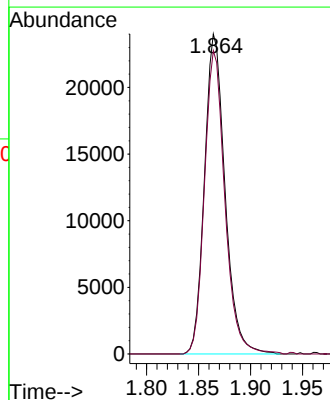
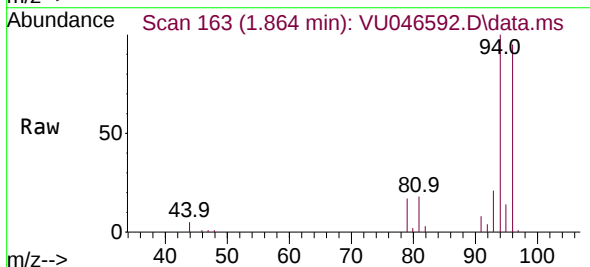
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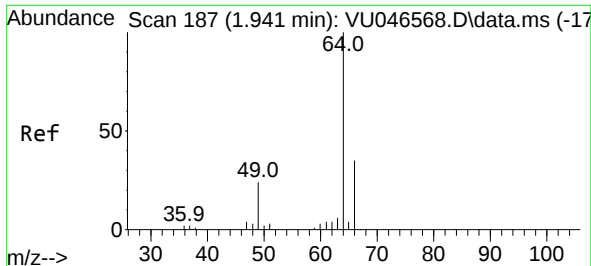
Tgt Ion: 62 Resp: 54350
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.9 42.5



#6
 Bromomethane
 Concen: 4.219 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU046592.D
 Acq: 27 Dec 2021 11:25

Tgt Ion: 94 Resp: 32997
 Ion Ratio Lower Upper
 94 100
 96 94.8 65.5 121.6

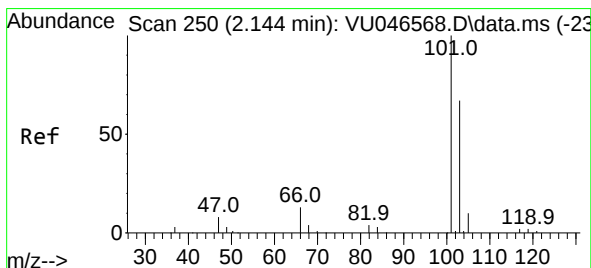
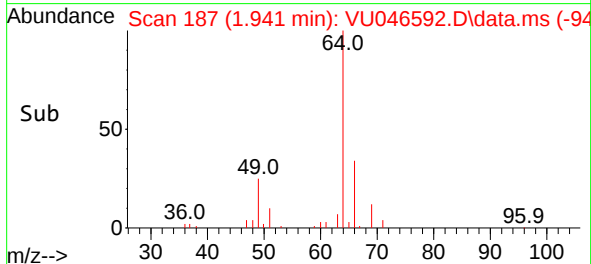
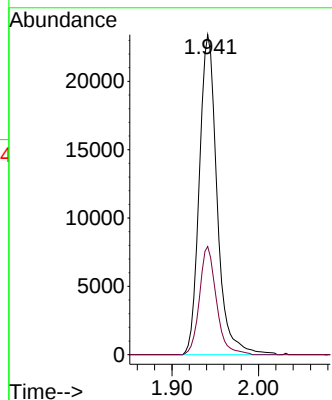
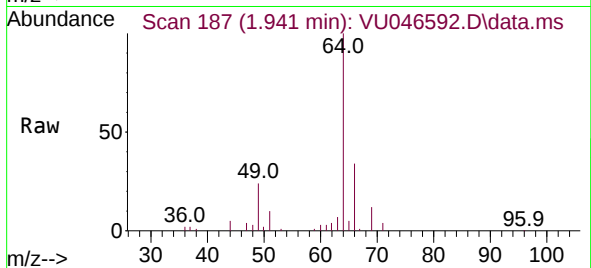




#8
Chloroethane
Concen: 4.367 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

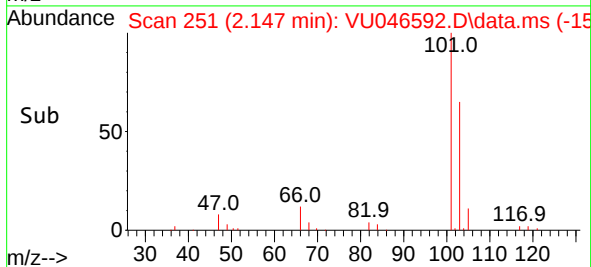
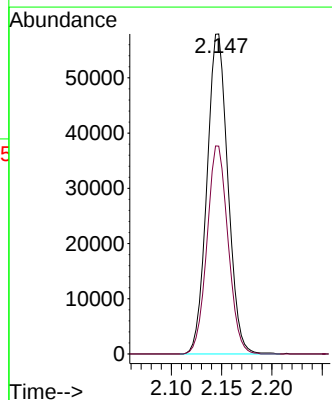
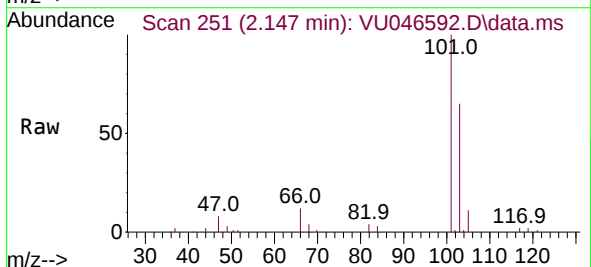
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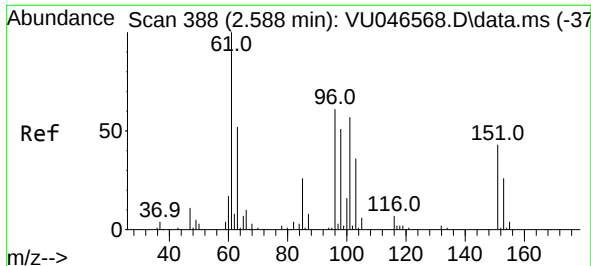
Tgt Ion: 64 Resp: 33309
Ion Ratio Lower Upper
64 100
66 33.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.937 ug/L
RT: 2.147 min Scan# 251
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion:101 Resp: 83891
Ion Ratio Lower Upper
101 100
103 65.4 51.5 77.3

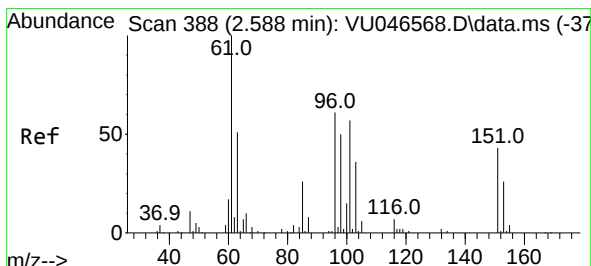
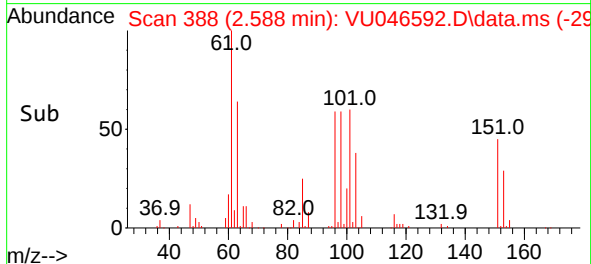
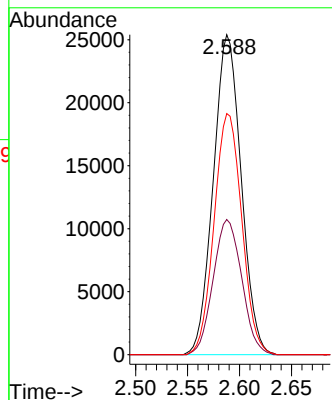
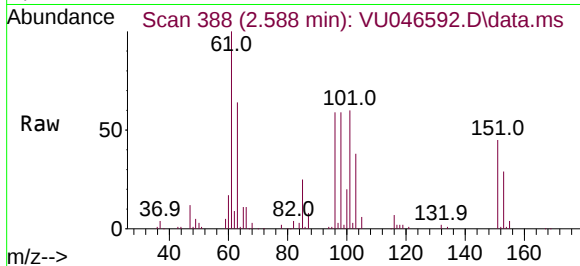




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.480 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046592.D
 Acq: 27 Dec 2021 11:25

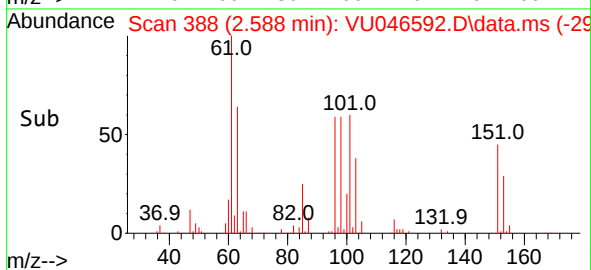
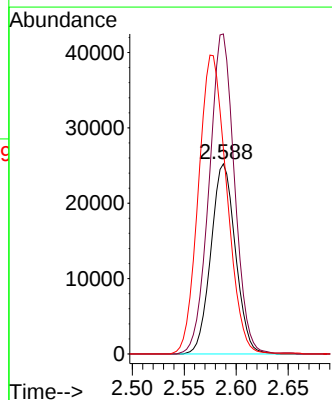
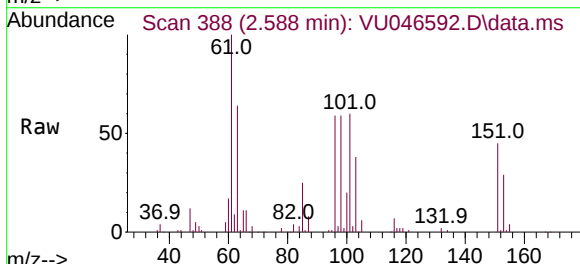
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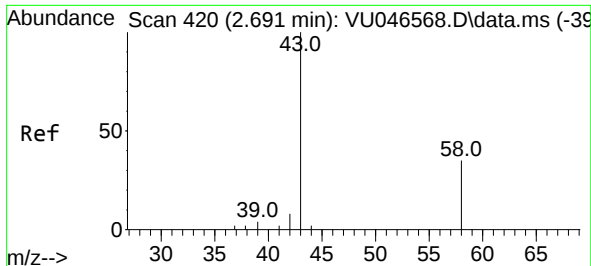
Tgt Ion:101 Resp: 47408
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.6 51.8
 151 74.9 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 4.695 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046592.D
 Acq: 27 Dec 2021 11:25

Tgt Ion: 96 Resp: 41360
 Ion Ratio Lower Upper
 96 100
 61 168.4 124.7 231.5
 63 107.9 105.2 195.4





#13

Acetone

Concen: 55.787 ug/L

RT: 2.694 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

Instrument :

MSVOA_U

ClientSampleId :

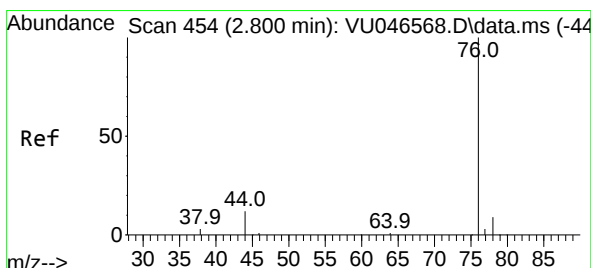
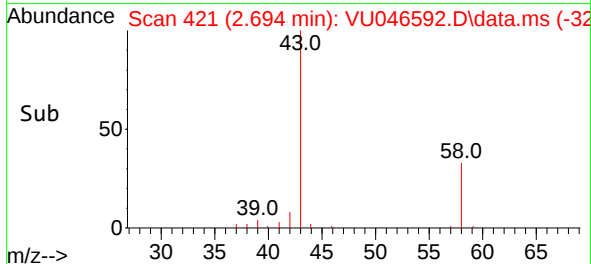
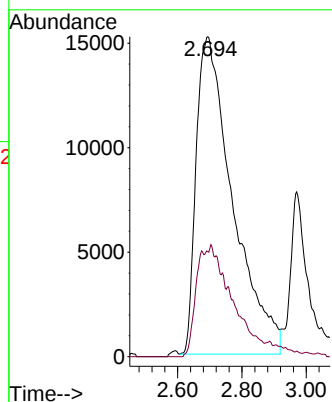
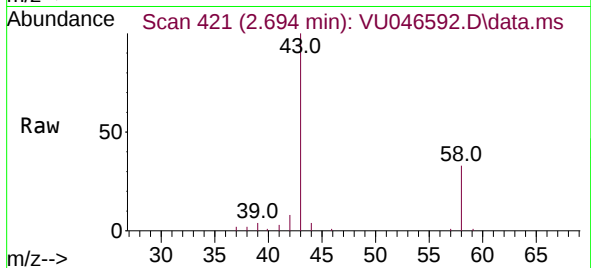
VSTD005145

Tgt Ion: 43 Resp: 119667

Ion Ratio Lower Upper

43 100

58 8.1 0.0 71.6



#14

Carbon disulfide

Concen: 3.463 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046592.D

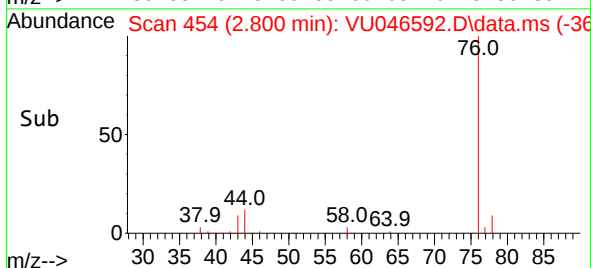
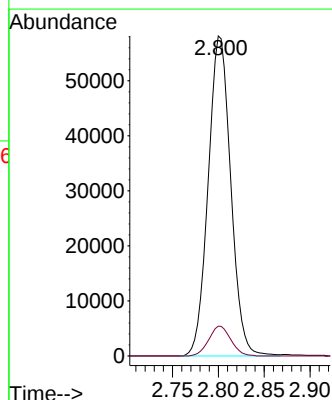
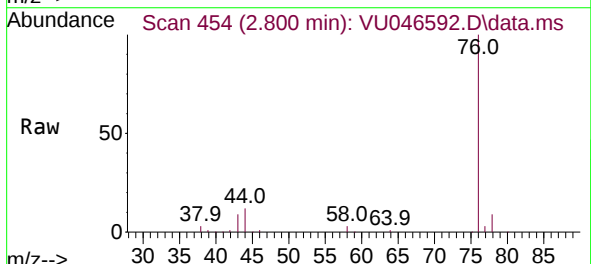
Acq: 27 Dec 2021 11:25

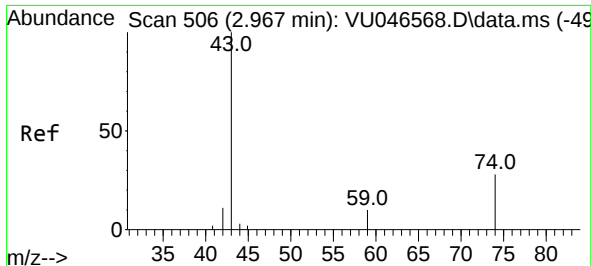
Tgt Ion: 76 Resp: 99649

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

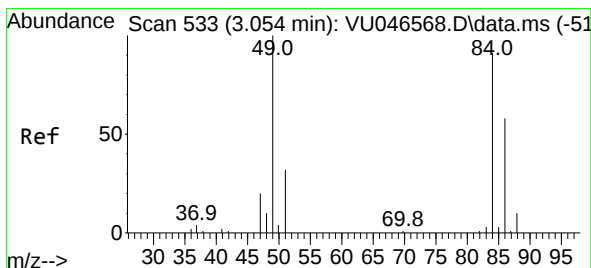
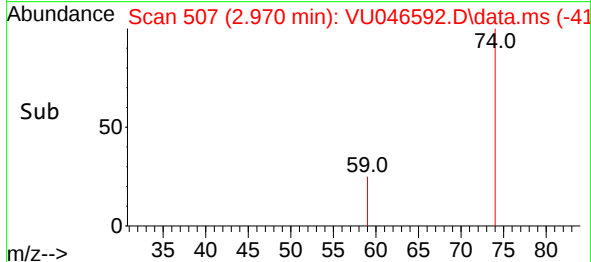
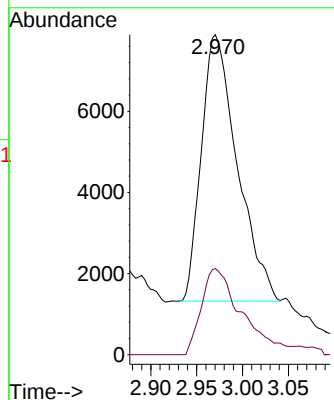
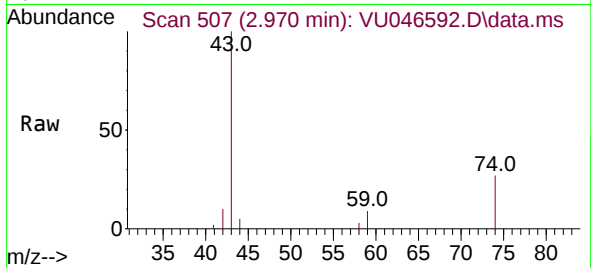




#15
Methyl Acetate
Concen: 4.133 ug/L
RT: 2.970 min Scan# 506
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

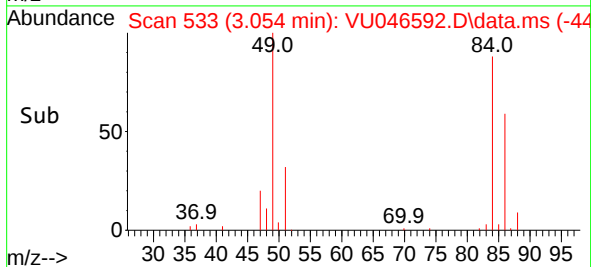
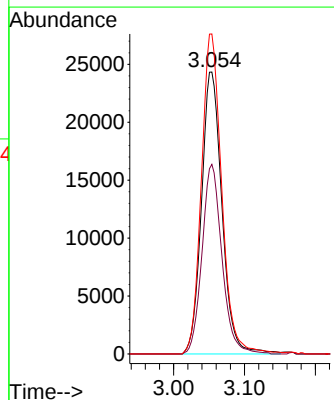
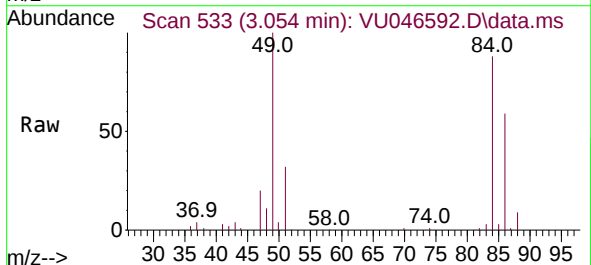
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

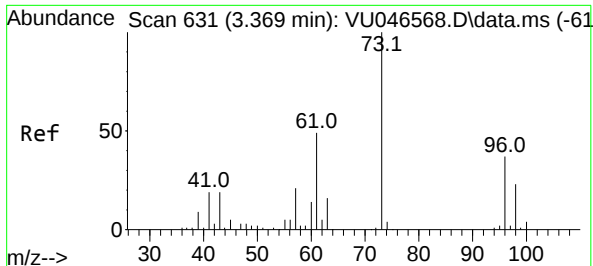
Tgt Ion: 43 Resp: 17906
Ion Ratio Lower Upper
43 100
74 36.7 19.1 28.7#



#16
Methylene chloride
Concen: 4.559 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion: 84 Resp: 48870
Ion Ratio Lower Upper
84 100
86 67.2 45.8 85.0
49 113.5 84.5 156.9





#17

Methyl tert-butyl Ether

Concen: 5.356 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

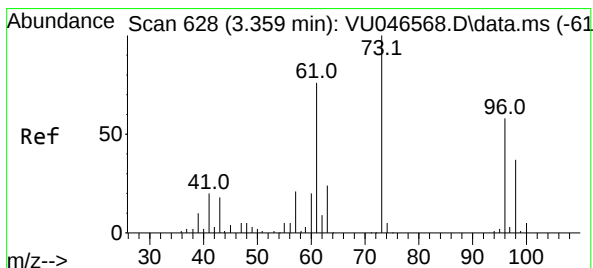
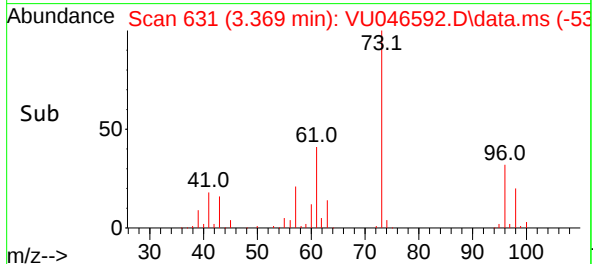
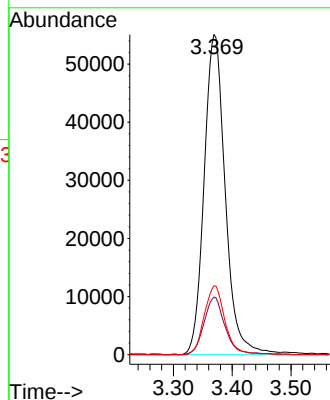
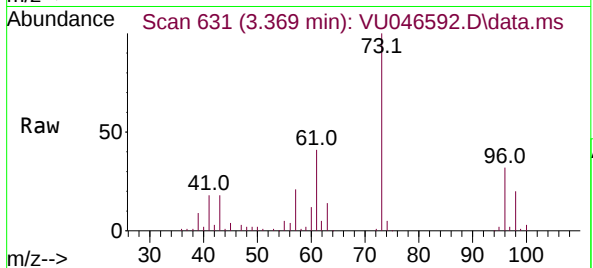
Tgt Ion: 73 Resp: 137637

Ion Ratio Lower Upper

73 100

43 17.7 14.8 22.2

57 21.0 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 4.591 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

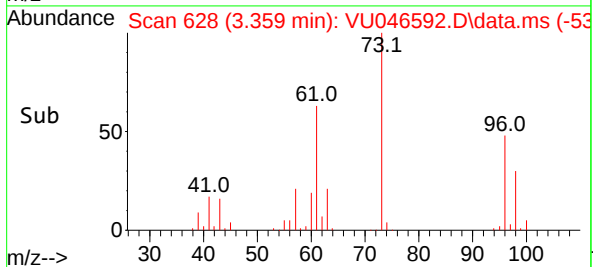
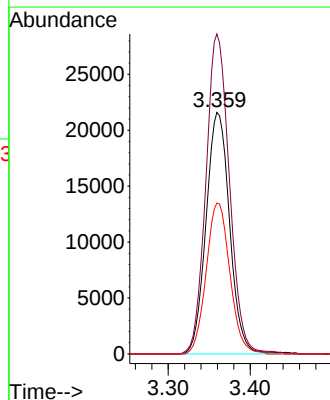
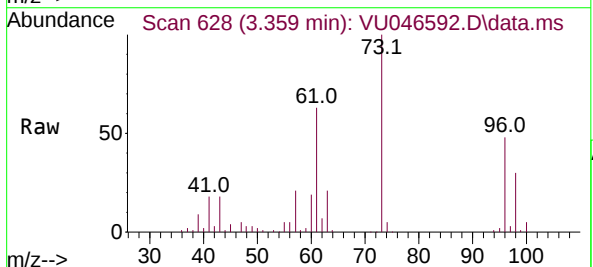
Tgt Ion: 96 Resp: 43141

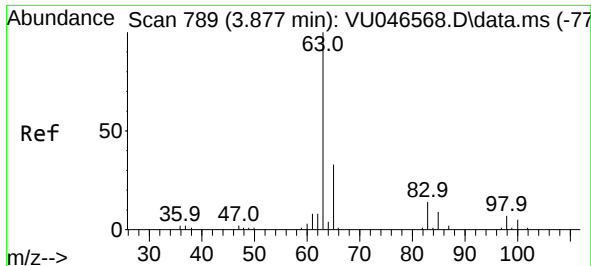
Ion Ratio Lower Upper

96 100

61 132.4 100.8 187.2

98 62.4 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.819 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

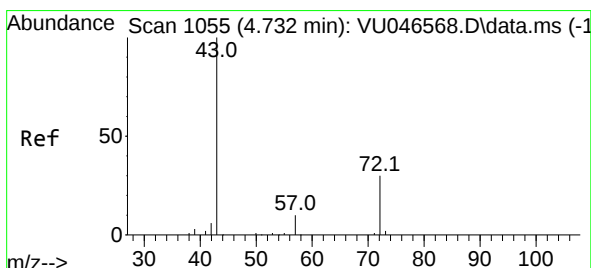
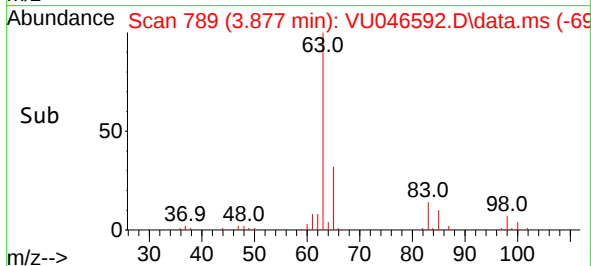
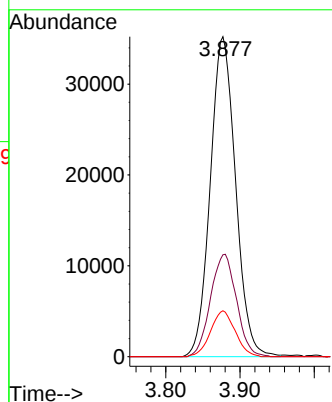
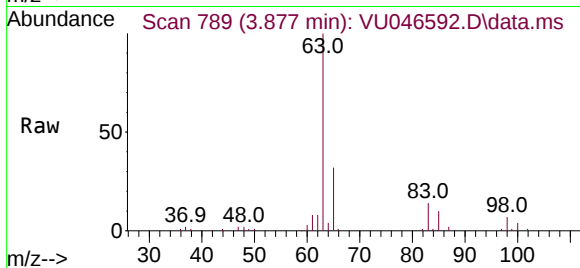
Tgt Ion: 63 Resp: 83433

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

83 14.4 9.6 17.8



#21

2-Butanone

Concen: 58.852 ug/L

RT: 4.735 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VU046592.D

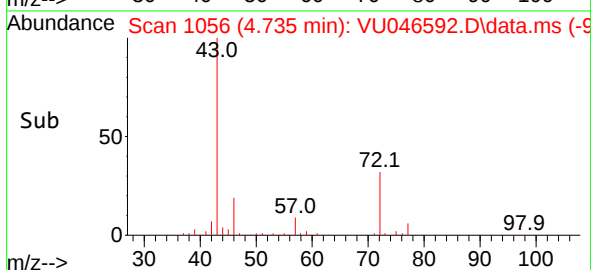
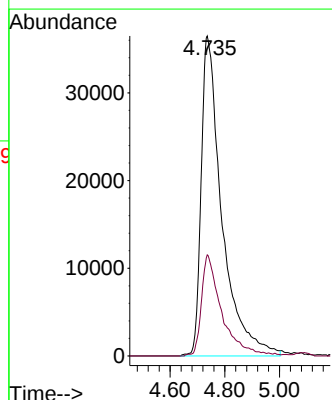
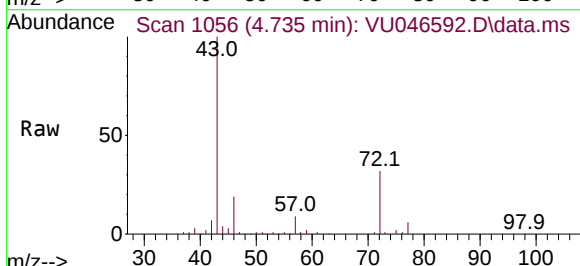
Acq: 27 Dec 2021 11:25

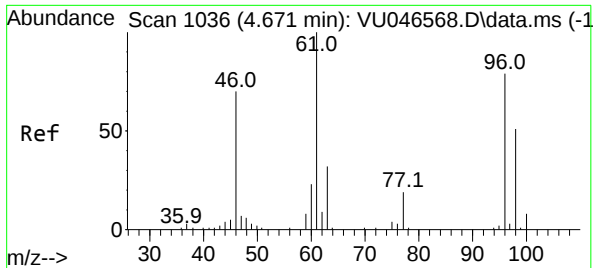
Tgt Ion: 43 Resp: 191533

Ion Ratio Lower Upper

43 100

72 30.3 14.1 42.3

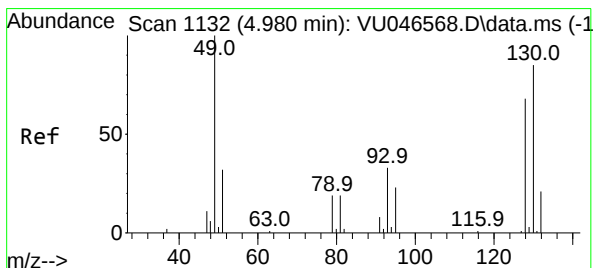
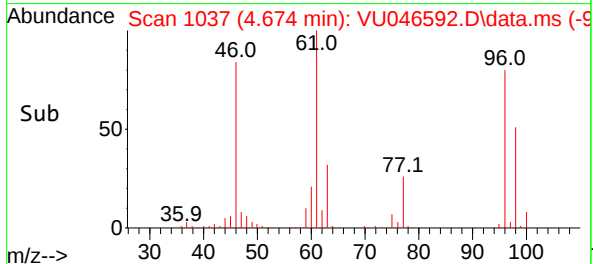
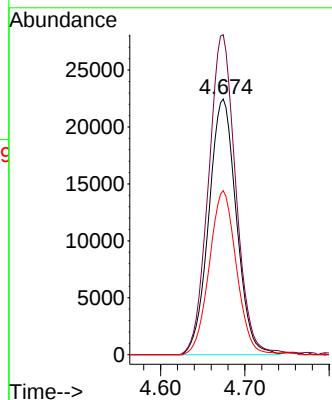
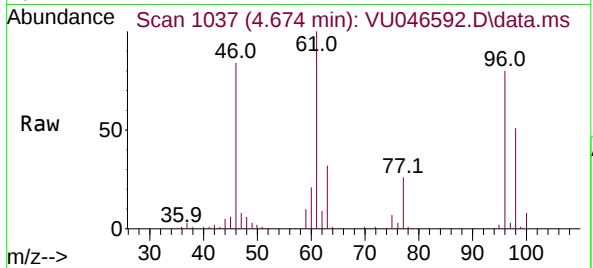




#22
 cis-1,2-Dichloroethene
 Concen: 4.970 ug/L
 RT: 4.674 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU046592.D
 Acq: 27 Dec 2021 11:25

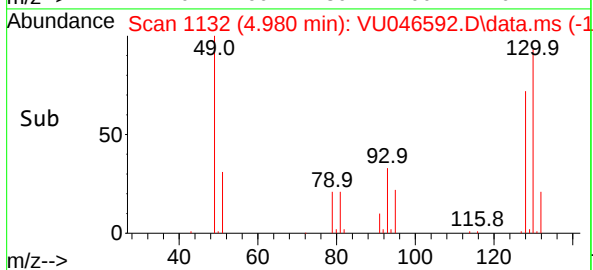
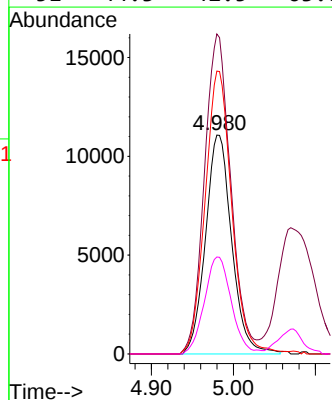
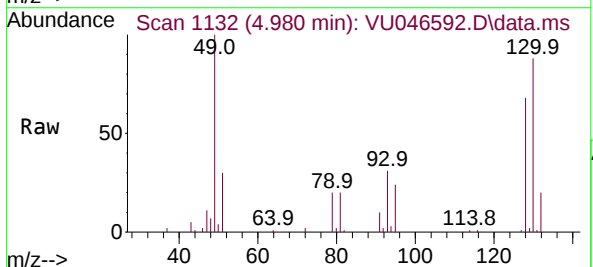
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

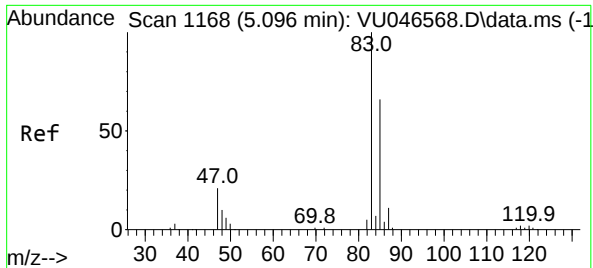
Tgt Ion: 96 Resp: 51050
 Ion Ratio Lower Upper
 96 100
 61 125.2 88.5 164.3
 98 64.2 44.4 82.5



#23
 Bromochloromethane
 Concen: 4.805 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. 0.000 min
 Lab File: VU046592.D
 Acq: 27 Dec 2021 11:25

Tgt Ion: 128 Resp: 24565
 Ion Ratio Lower Upper
 128 100
 49 146.1 117.0 217.2
 130 129.2 88.2 163.8
 51 44.3 42.5 63.7

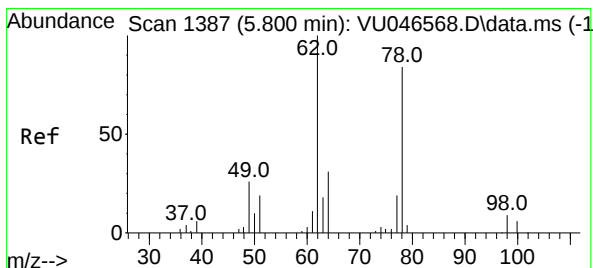
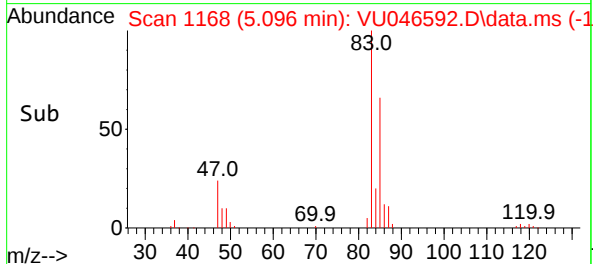
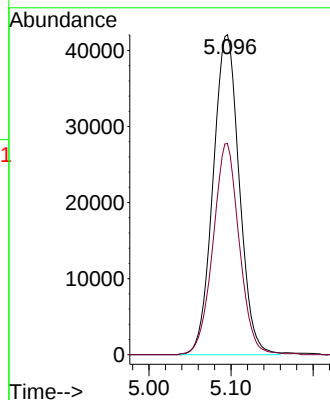
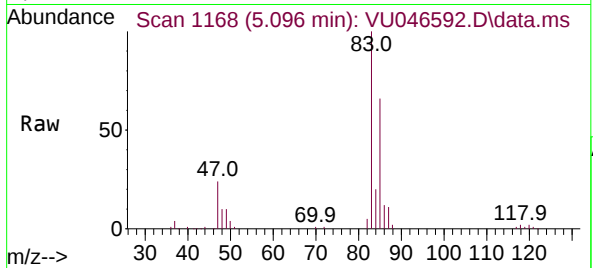




#25
Chloroform
Concen: 4.989 ug/L
RT: 5.096 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

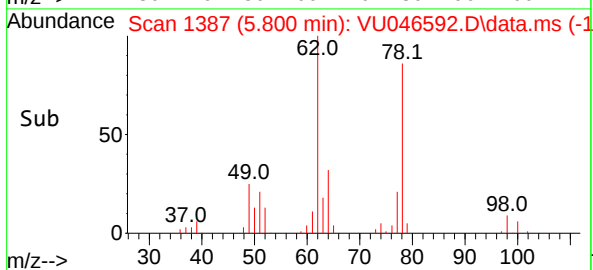
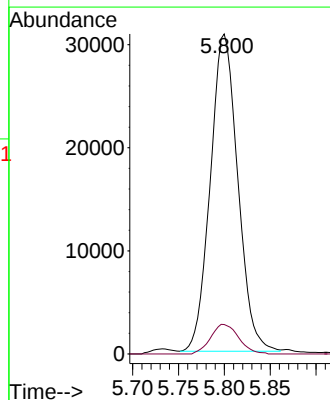
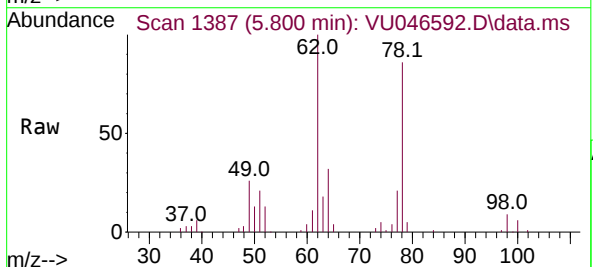
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

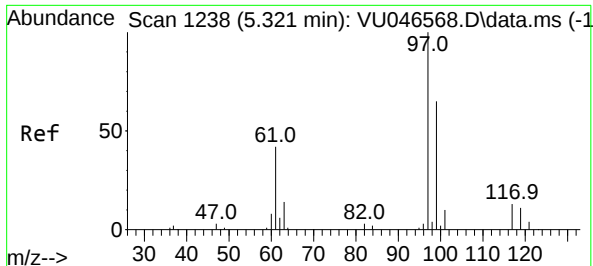
Tgt Ion: 83 Resp: 93292
Ion Ratio Lower Upper
83 100
85 66.0 46.9 87.1



#27
1,2-Dichloroethane
Concen: 4.817 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion: 62 Resp: 64311
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.213 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

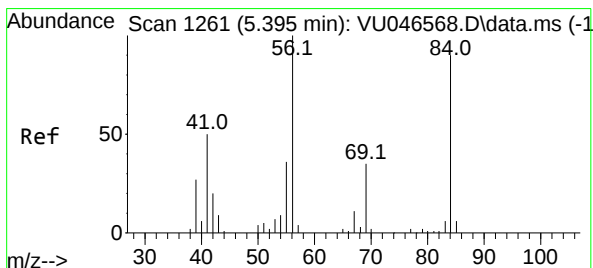
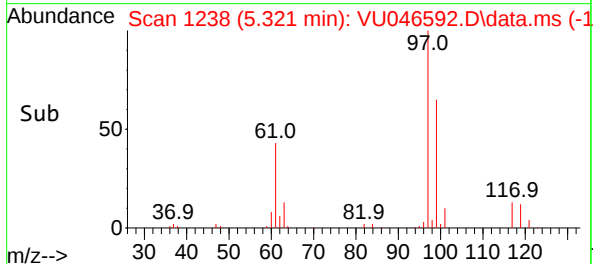
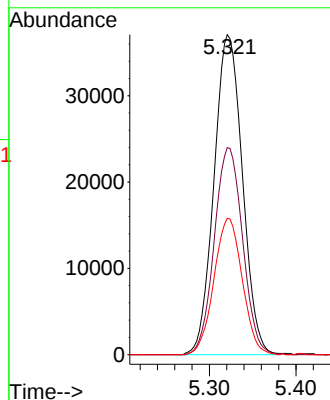
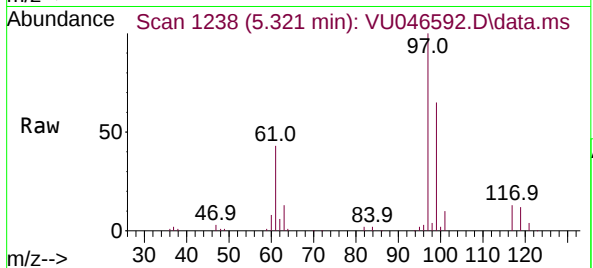
Tgt Ion: 97 Resp: 84533

Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

61 42.4 36.1 54.1



#30

Cyclohexane

Concen: 4.849 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

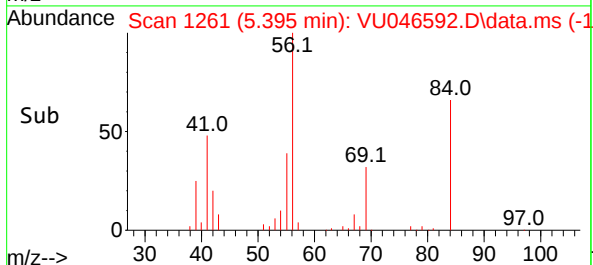
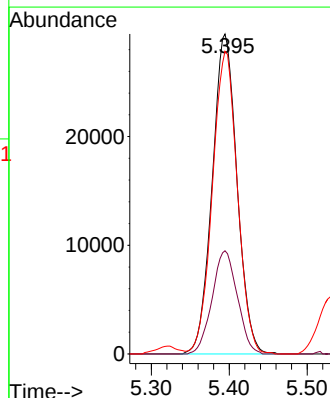
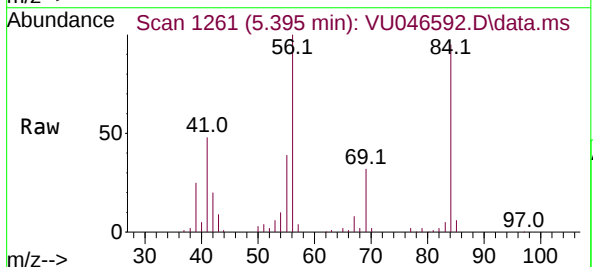
Tgt Ion: 56 Resp: 65040

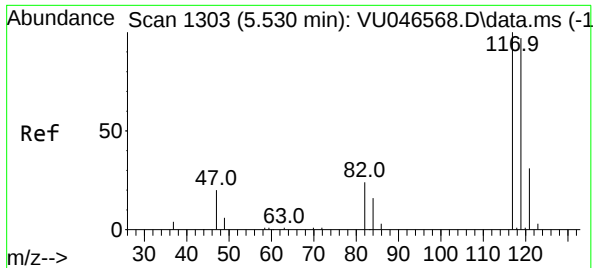
Ion Ratio Lower Upper

56 100

69 32.8 24.7 37.1

84 95.5 71.8 107.6

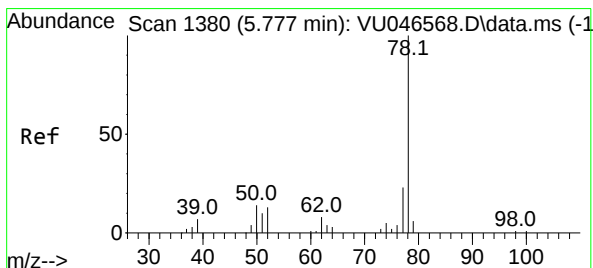
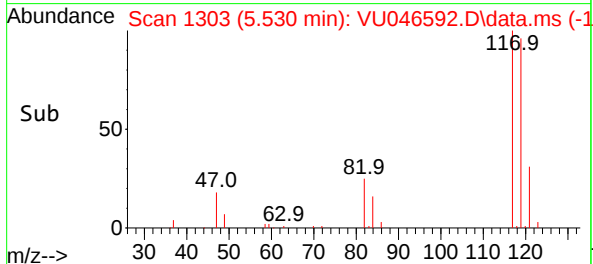
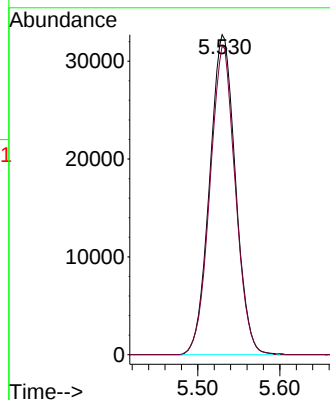
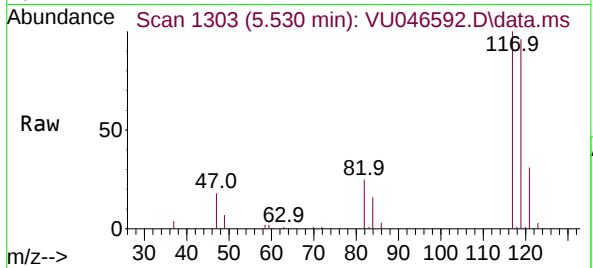




#31
Carbon tetrachloride
Concen: 5.247 ug/L
RT: 5.530 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

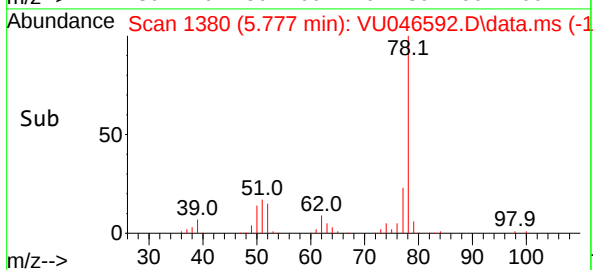
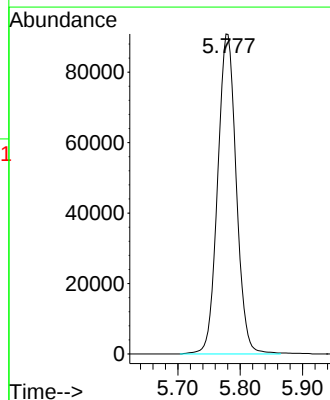
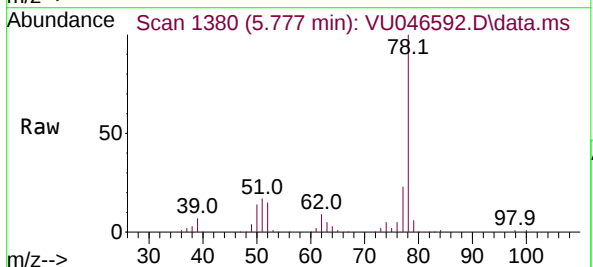
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

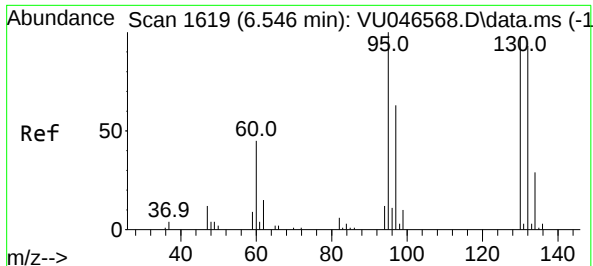
Tgt Ion:117 Resp: 71386
Ion Ratio Lower Upper
117 100
119 94.8 77.5 116.3



#33
Benzene
Concen: 4.828 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion: 78 Resp: 188106

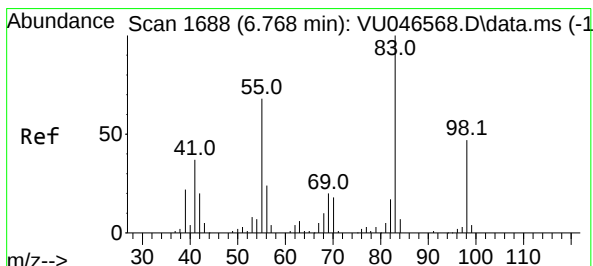
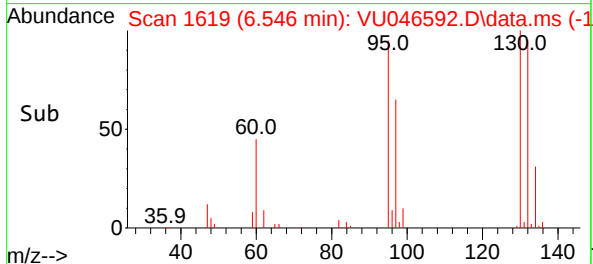
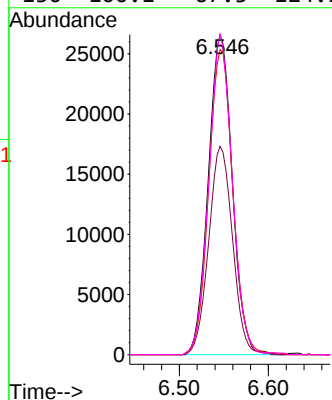
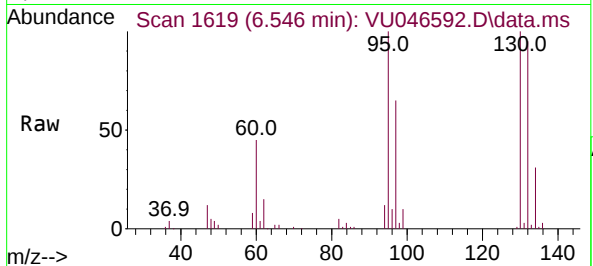




#34
Trichloroethene
Concen: 4.846 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

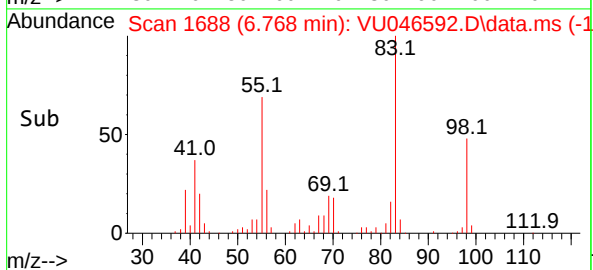
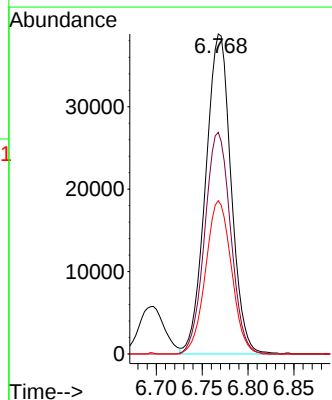
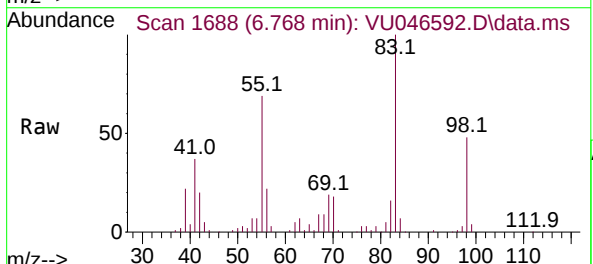
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

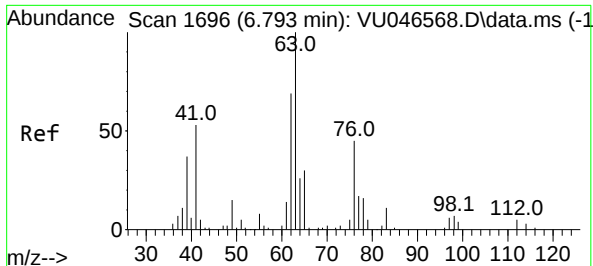
Tgt Ion: 95 Resp: 49773
Ion Ratio Lower Upper
95 100
97 65.2 46.5 86.5
132 95.4 65.1 120.9
130 100.1 67.3 124.9



#35
Methylcyclohexane
Concen: 5.188 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion: 83 Resp: 75136
Ion Ratio Lower Upper
83 100
55 70.4 61.9 92.9
98 48.6 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.074 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

Instrument :

MSVOA_U

ClientSampleId :

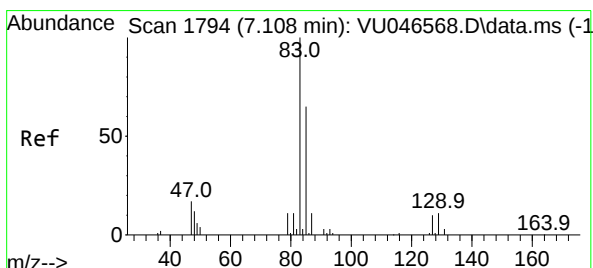
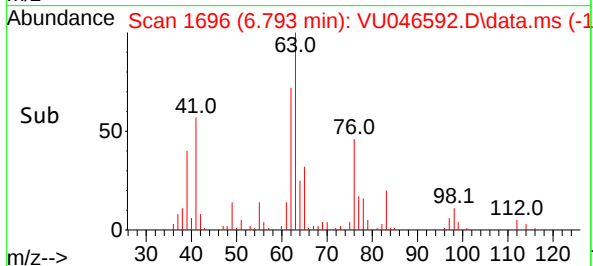
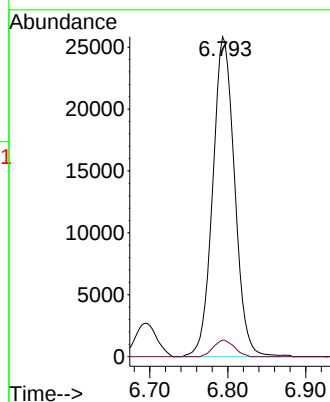
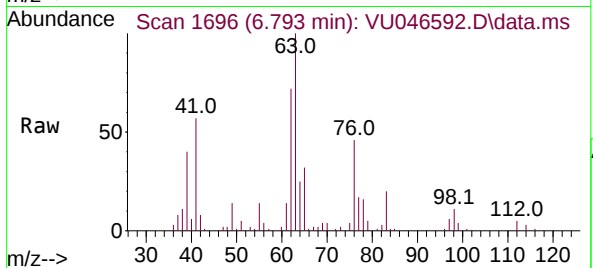
VSTD005145

Tgt Ion: 63 Resp: 50431

Ion Ratio Lower Upper

63 100

112 4.9 3.2 4.8#



#38

Bromodichloromethane

Concen: 5.146 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

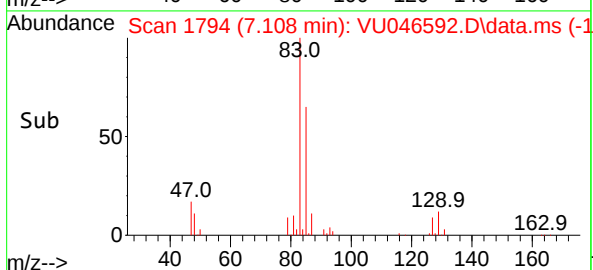
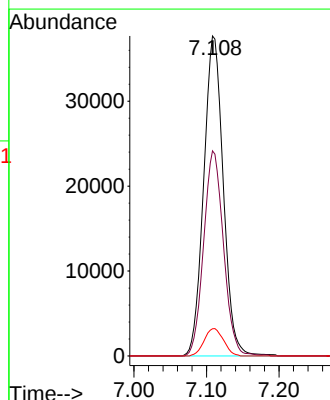
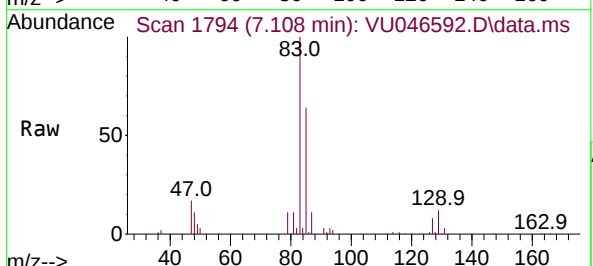
Tgt Ion: 83 Resp: 70792

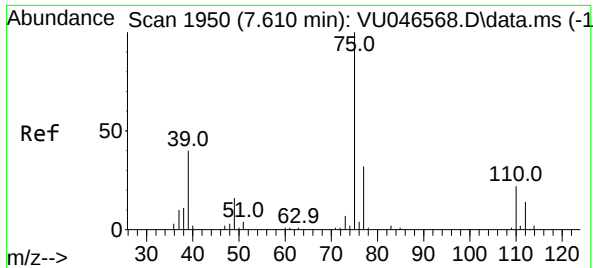
Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.8

127 8.5 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.307 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

Instrument :

MSVOA_U

ClientSampleId :

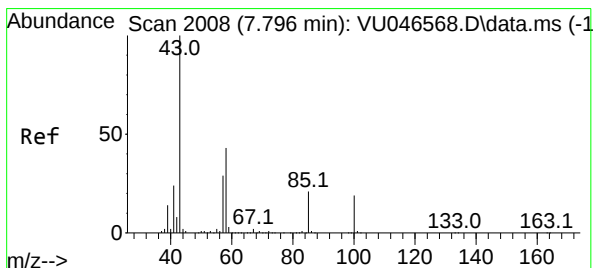
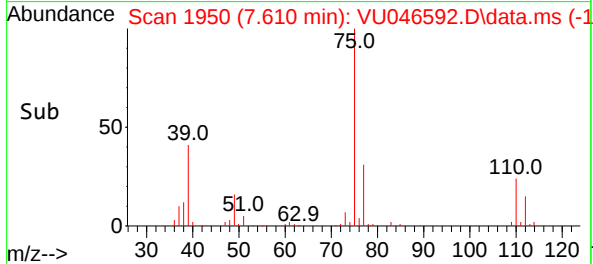
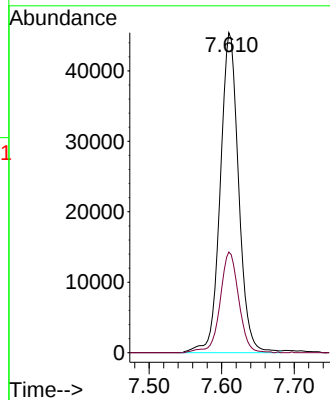
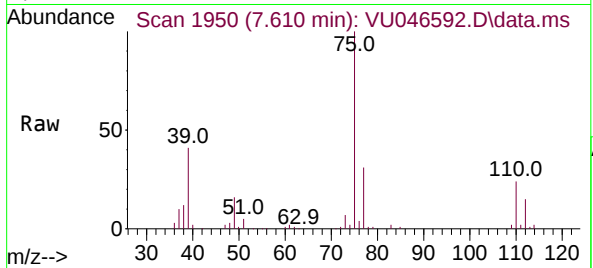
VSTD005145

Tgt Ion: 75 Resp: 79841

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 55.698 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

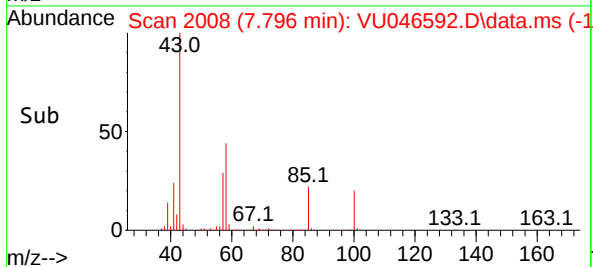
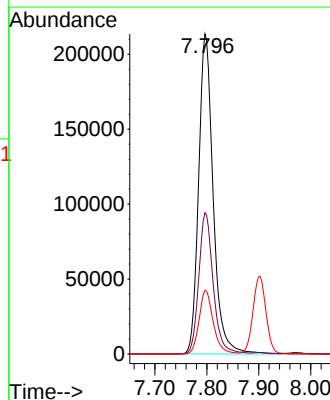
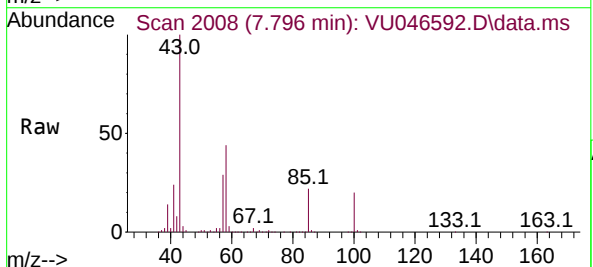
Tgt Ion: 43 Resp: 415530

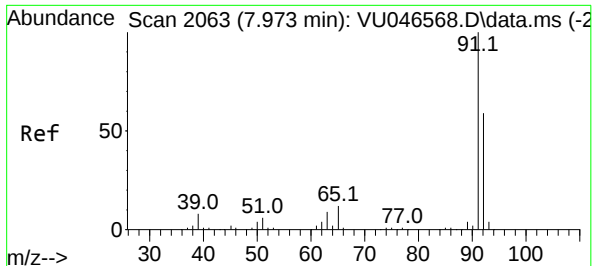
Ion Ratio Lower Upper

43 100

58 43.8 33.1 49.7

100 19.4 13.2 19.8





#42

Toluene

Concen: 5.144 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

Instrument :

MSVOA_U

ClientSampleId :

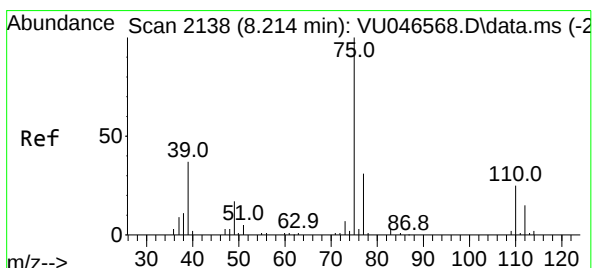
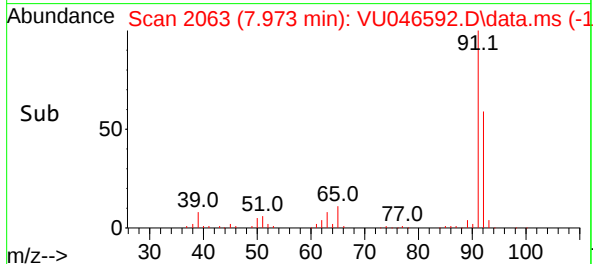
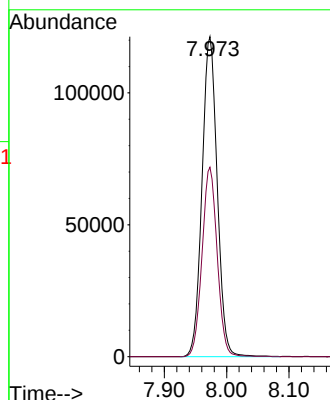
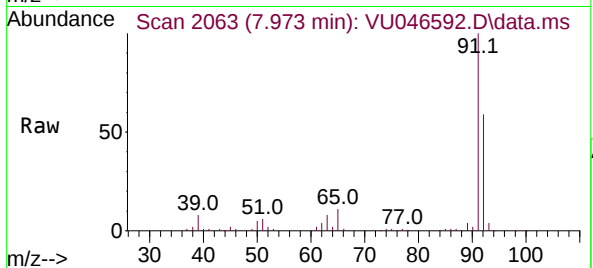
VSTD005145

Tgt Ion: 91 Resp: 205725

Ion Ratio Lower Upper

91 100

92 59.2 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 5.433 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU046592.D

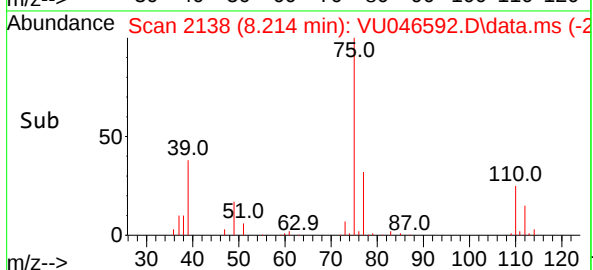
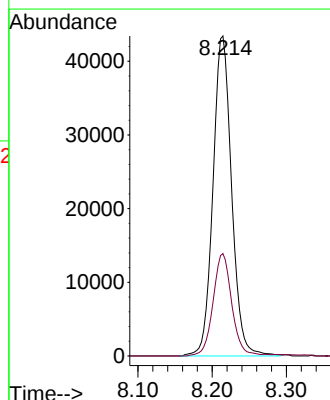
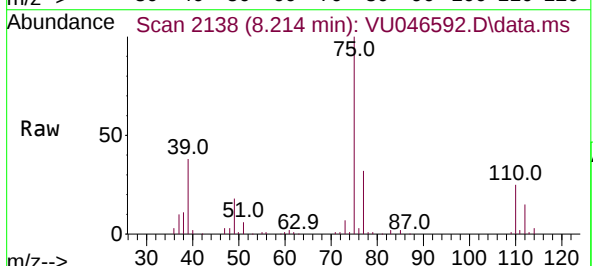
Acq: 27 Dec 2021 11:25

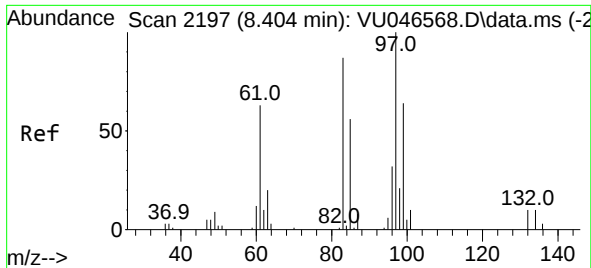
Tgt Ion: 75 Resp: 75741

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.3



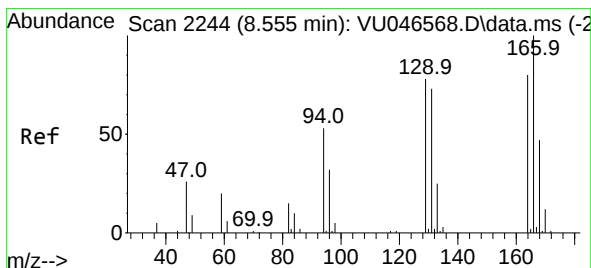
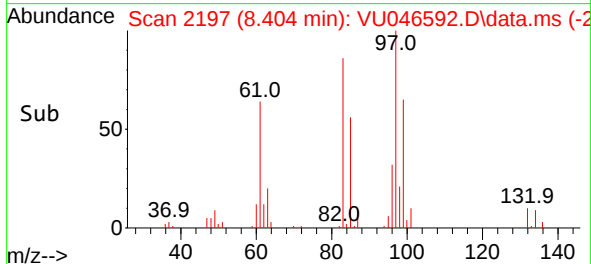
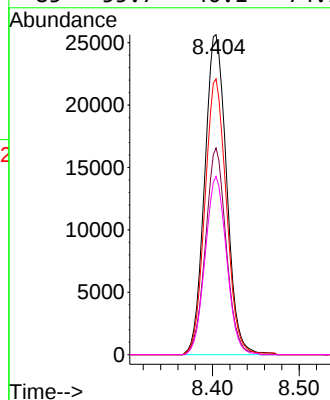
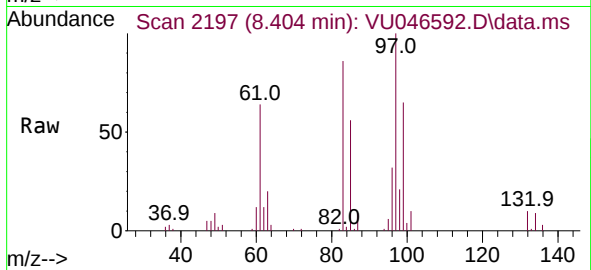


#45
1,1,2-Trichloroethane
Concen: 5.272 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

Tgt Ion: 97 Resp: 45184

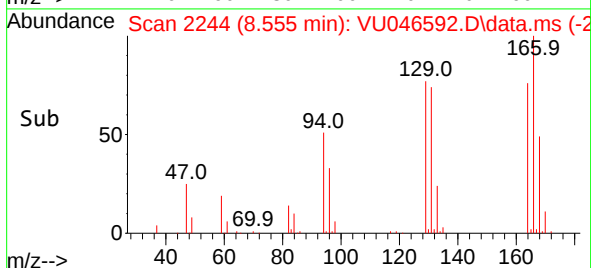
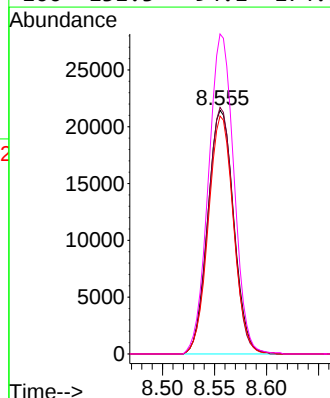
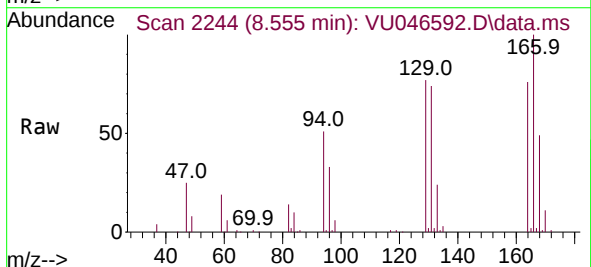
Ion	Ratio	Lower	Upper
97	100		
99	64.6	42.3	78.5
83	86.1	62.0	115.2
85	55.7	40.1	74.5

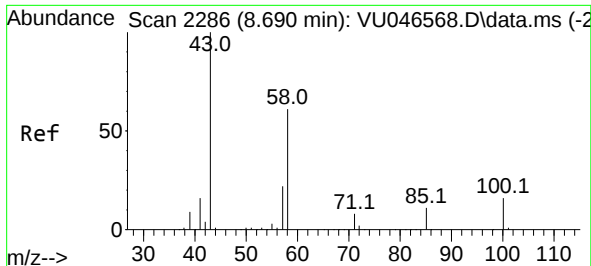


#47
Tetrachloroethene
Concen: 5.144 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion: 164 Resp: 37386

Ion	Ratio	Lower	Upper
164	100		
129	101.2	71.8	133.4
131	97.6	68.5	127.3
166	131.3	94.1	174.8



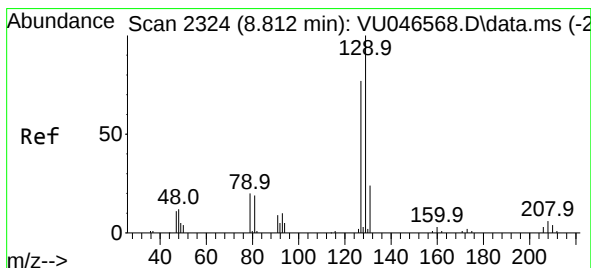
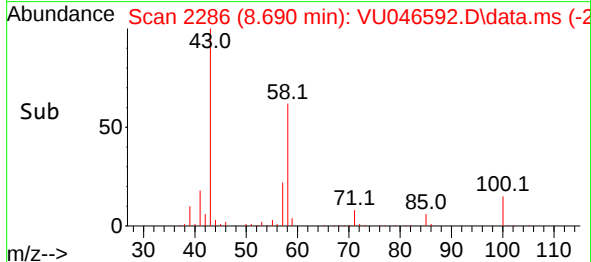
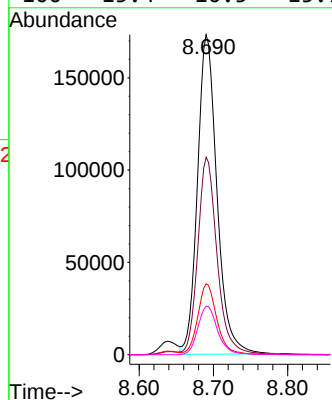
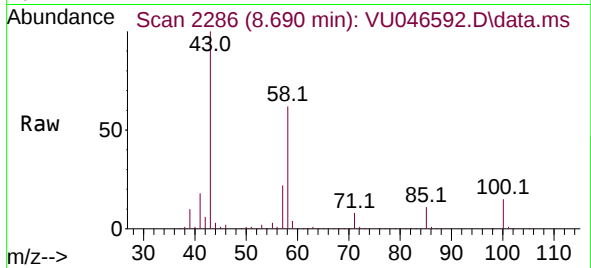


#48
2-Hexanone
Concen: 56.855 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

Tgt Ion: 43 Resp: 316772

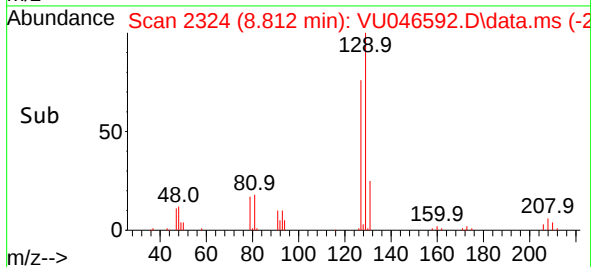
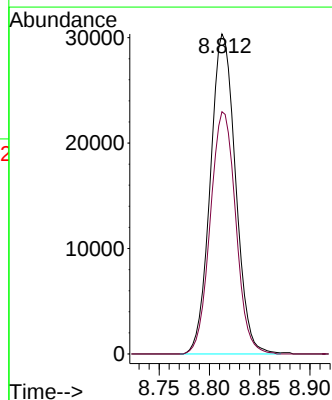
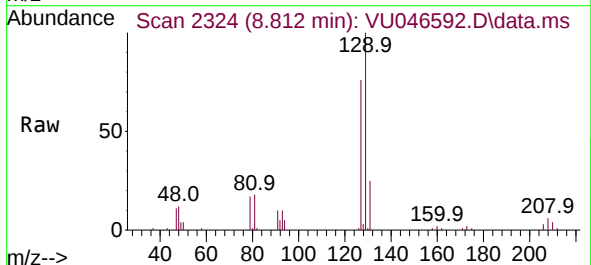
Ion	Ratio	Lower	Upper
43	100		
58	61.4	46.7	70.1
57	21.6	16.3	24.5
100	15.4	10.5	15.7

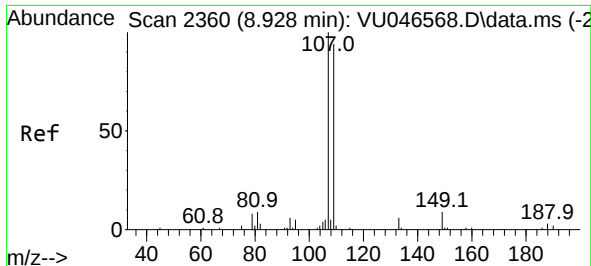


#49
Dibromochloromethane
Concen: 5.362 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion: 129 Resp: 53007

Ion	Ratio	Lower	Upper
129	100		
127	75.7	55.4	102.8

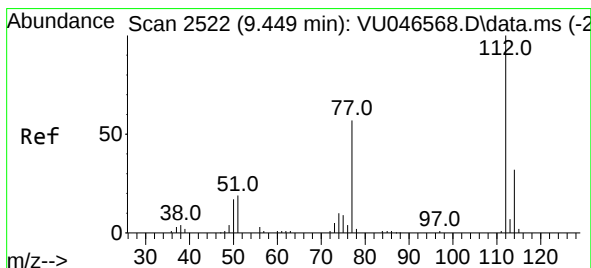
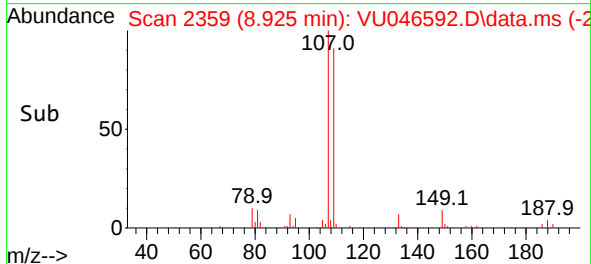
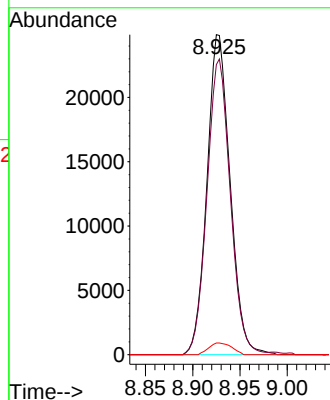
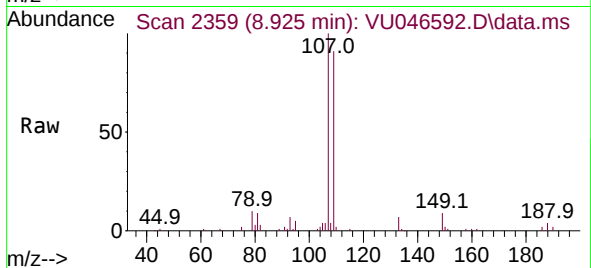




#50
1,2-Dibromoethane
Concen: 5.131 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

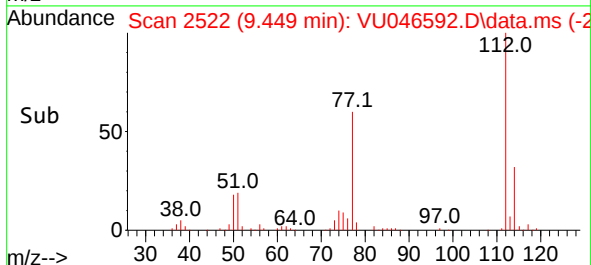
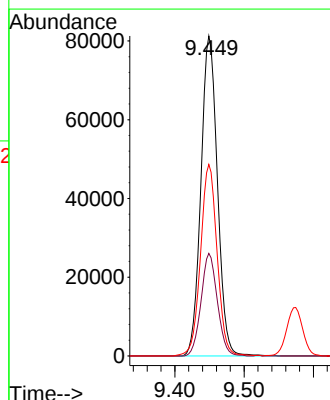
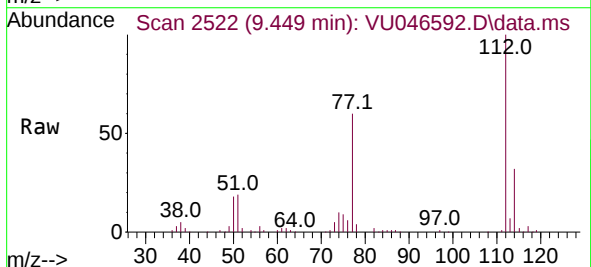
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

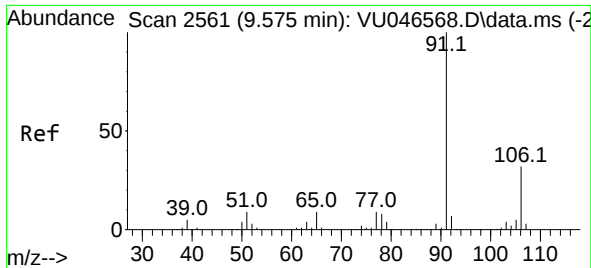
Tgt Ion:107 Resp: 42452
Ion Ratio Lower Upper
107 100
109 90.6 64.0 119.0
188 3.7 2.4 3.6#



#51
Chlorobenzene
Concen: 5.266 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion:112 Resp: 134622
Ion Ratio Lower Upper
112 100
114 32.1 22.1 41.1
77 59.8 48.3 72.5

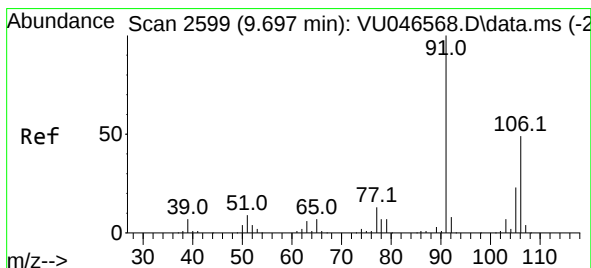
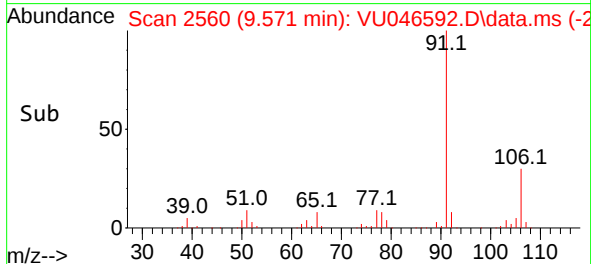
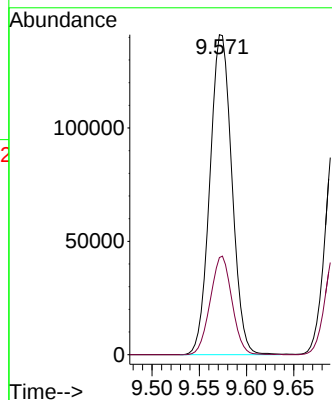
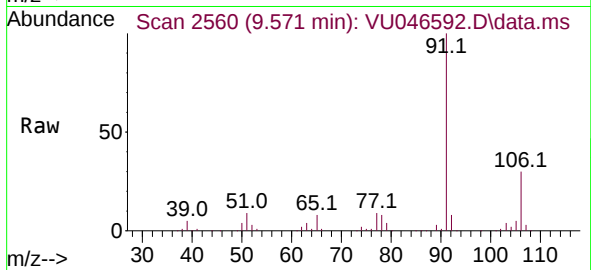




#52
Ethylbenzene
Concen: 5.519 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

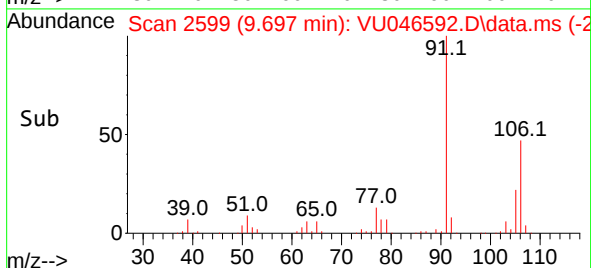
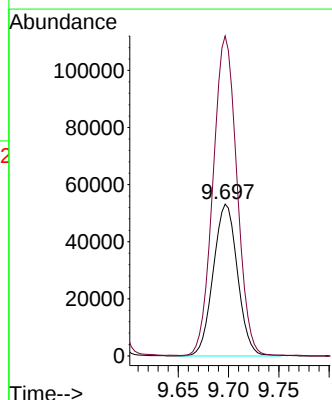
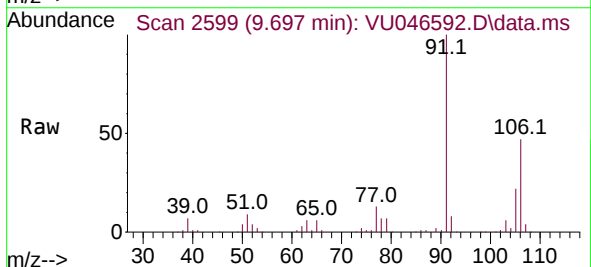
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

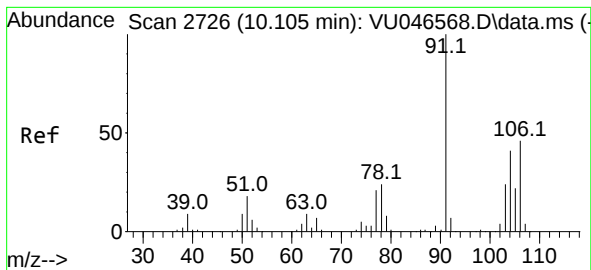
Tgt Ion: 91 Resp: 228455
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#53
m,p-Xylene
Concen: 5.627 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion: 106 Resp: 89237
Ion Ratio Lower Upper
106 100
91 210.7 139.4 259.0





#54

o-Xylene

Concen: 5.765 ug/L

RT: 10.105 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

Instrument :

MSVOA_U

ClientSampleId :

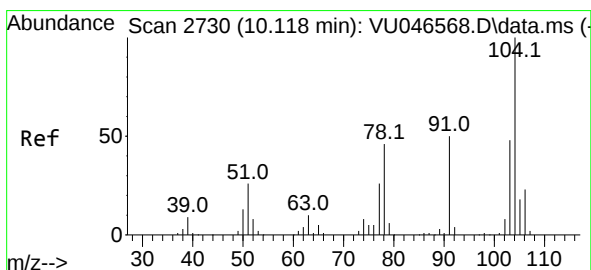
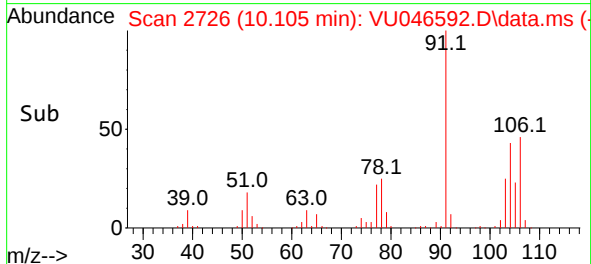
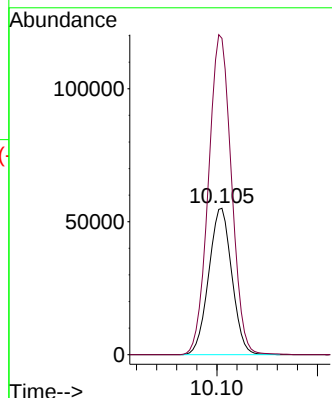
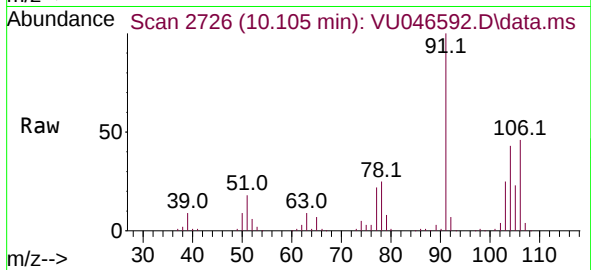
VSTD005145

Tgt Ion:106 Resp: 87843

Ion Ratio Lower Upper

106 100

91 216.1 147.5 273.9



#55

Styrene

Concen: 5.825 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.003 min

Lab File: VU046592.D

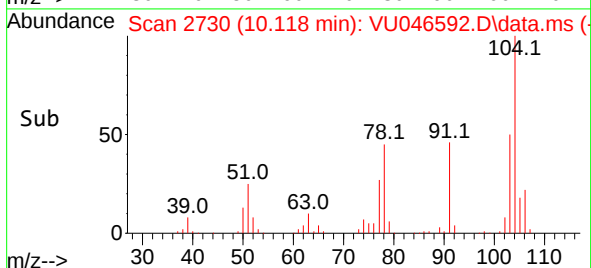
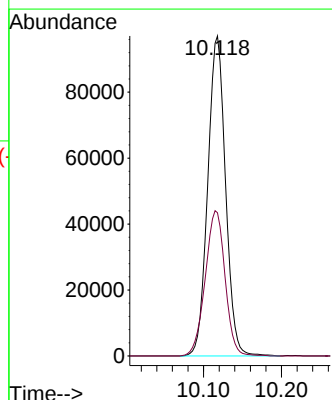
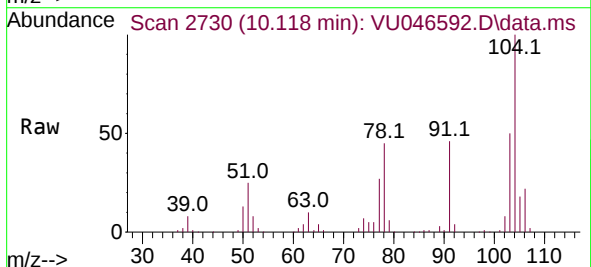
Acq: 27 Dec 2021 11:25

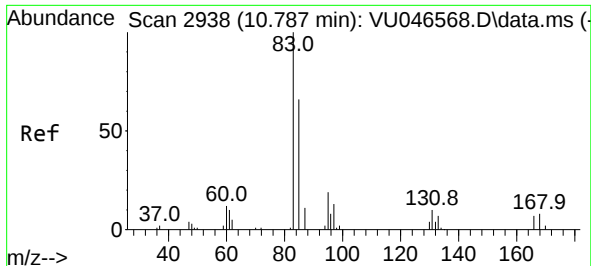
Tgt Ion:104 Resp: 153954

Ion Ratio Lower Upper

104 100

78 44.7 33.0 61.4

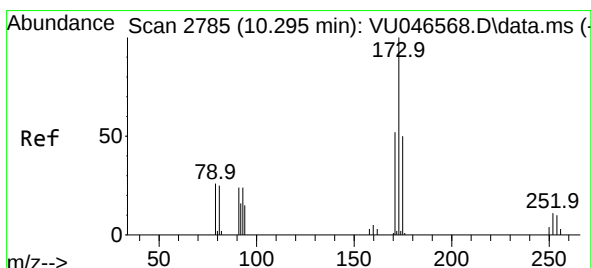
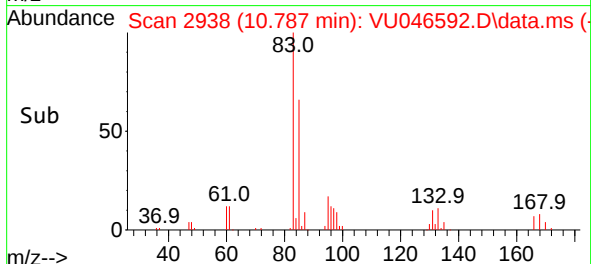
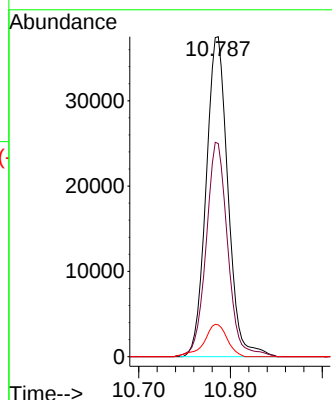
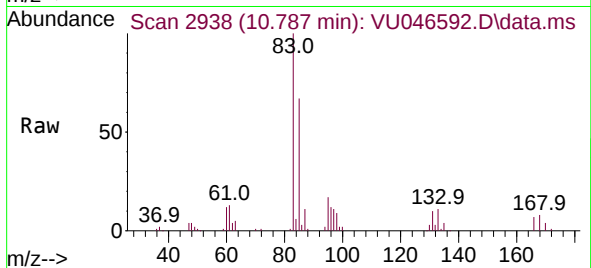




#57
1,1,2,2-Tetrachloroethane
Concen: 5.528 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

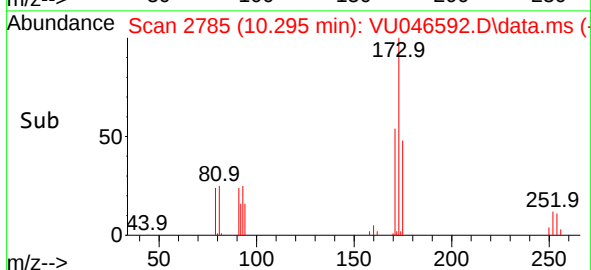
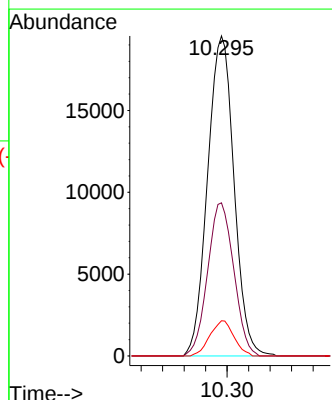
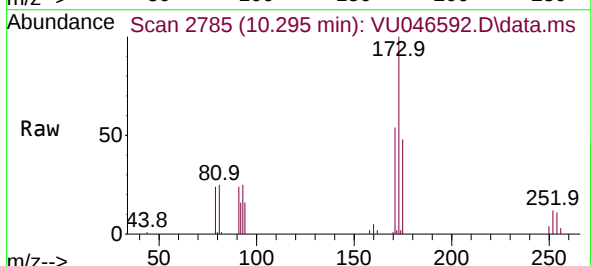
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

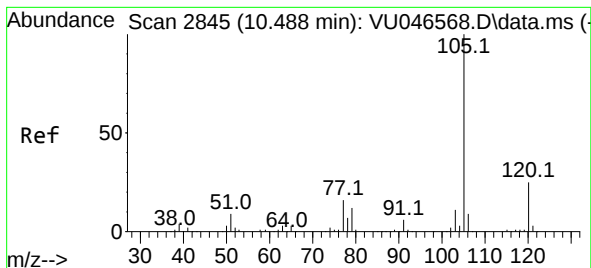
Tgt Ion: 83 Resp: 61914
Ion Ratio Lower Upper
83 100
85 66.6 47.9 89.1
131 9.9 8.1 12.1



#59
Bromoform
Concen: 5.175 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion:173 Resp: 33347
Ion Ratio Lower Upper
173 100
175 47.3 37.8 56.6
254 10.0 7.3 10.9





#60

Isopropylbenzene

Concen: 5.545 ug/L

RT: 10.488 min Scan# 2845

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

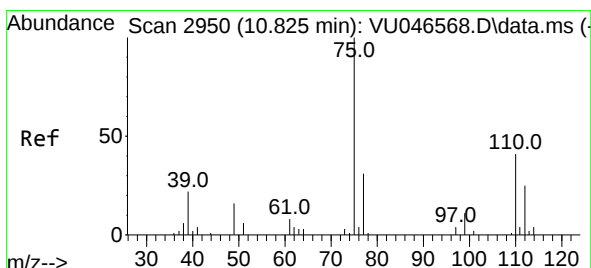
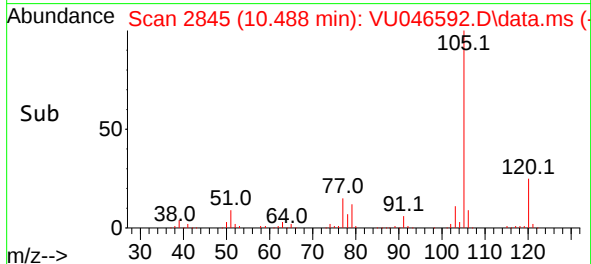
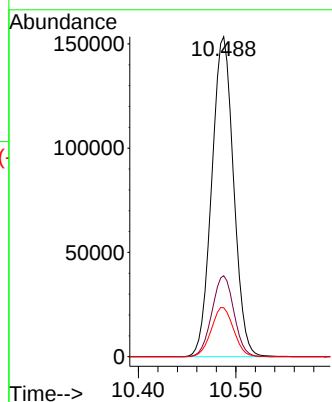
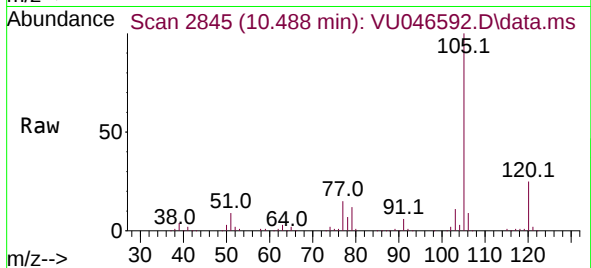
Tgt Ion:105 Resp: 238528

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

77 15.7 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.002 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

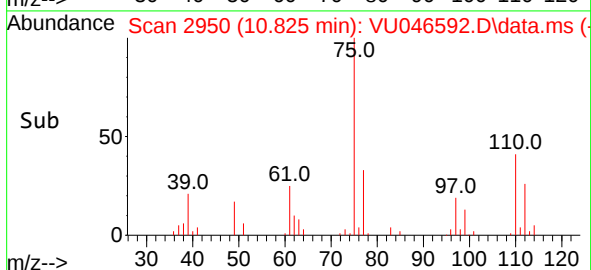
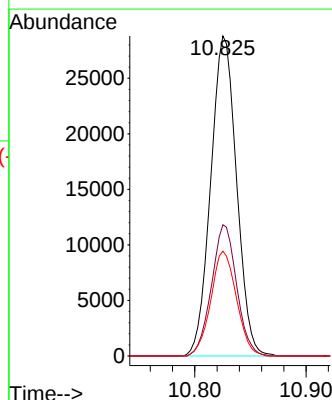
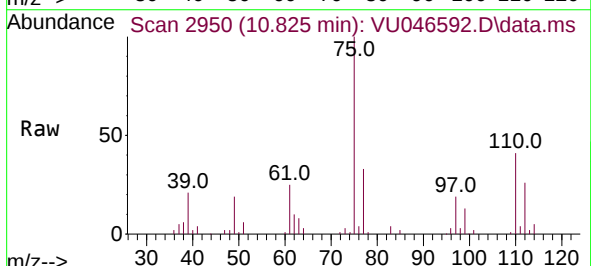
Tgt Ion: 75 Resp: 46342

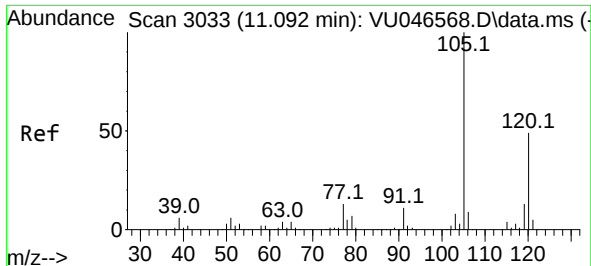
Ion Ratio Lower Upper

75 100

110 39.9 29.9 44.9

77 32.5 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.651 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. 0.000 min

Lab File: VU046592.D

Acq: 27 Dec 2021 11:25

Instrument :

MSVOA_U

ClientSampleId :

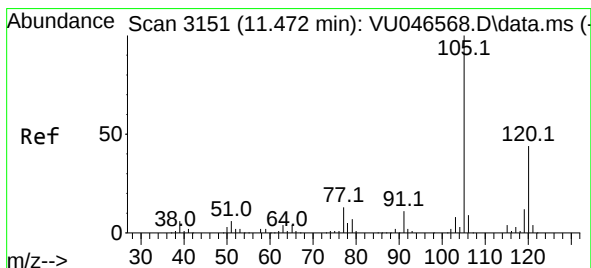
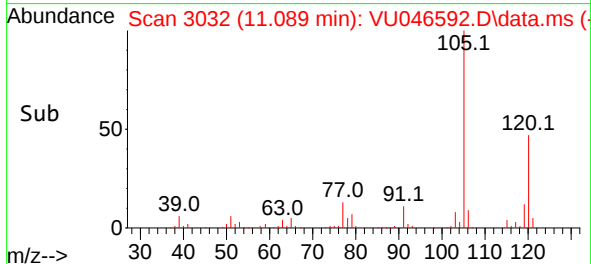
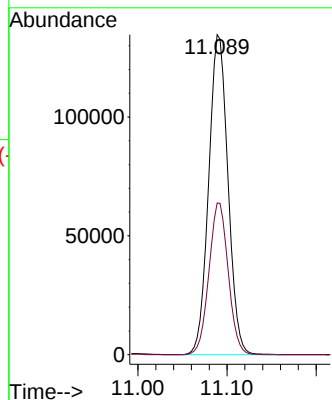
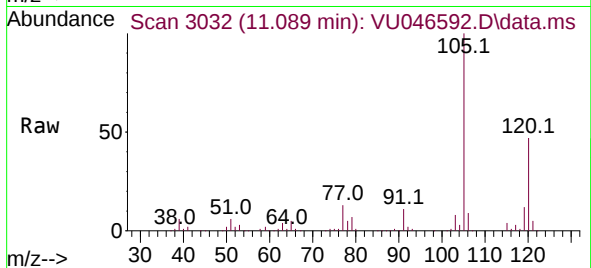
VSTD005145

Tgt Ion:105 Resp: 202183

Ion Ratio Lower Upper

105 100

120 47.4 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 5.750 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU046592.D

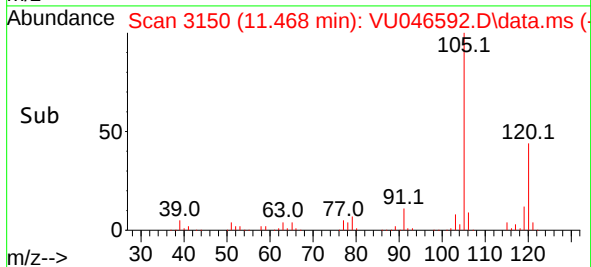
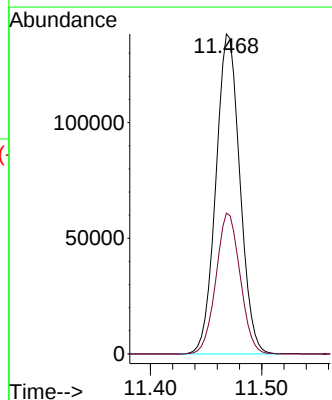
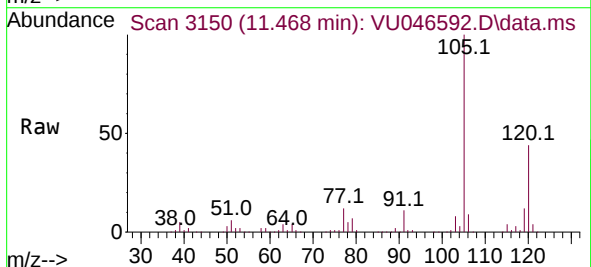
Acq: 27 Dec 2021 11:25

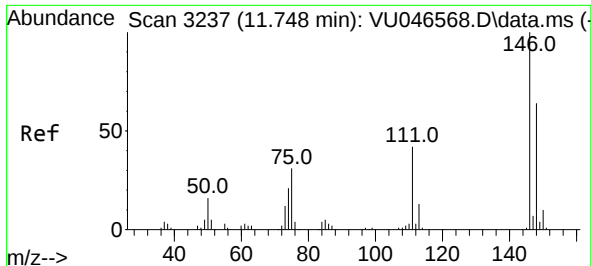
Tgt Ion:105 Resp: 207184

Ion Ratio Lower Upper

105 100

120 44.3 35.8 53.8

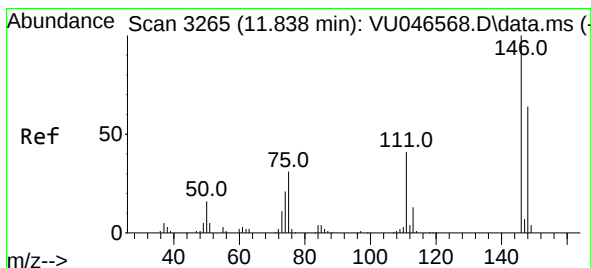
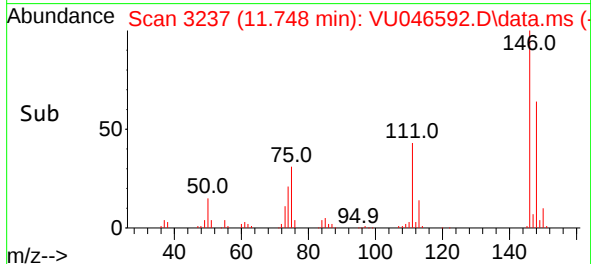
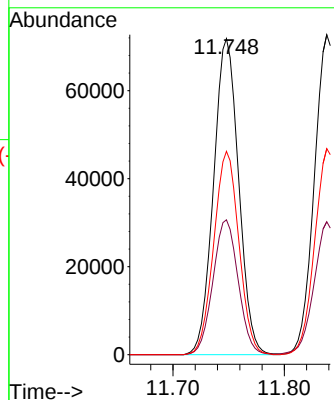
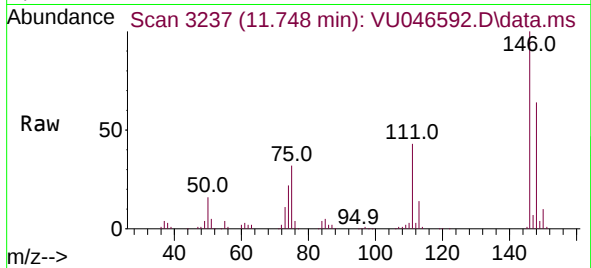




#64
1,3-Dichlorobenzene
Concen: 5.375 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

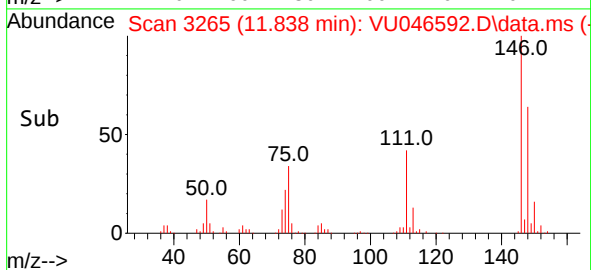
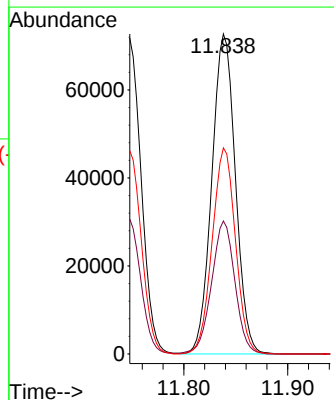
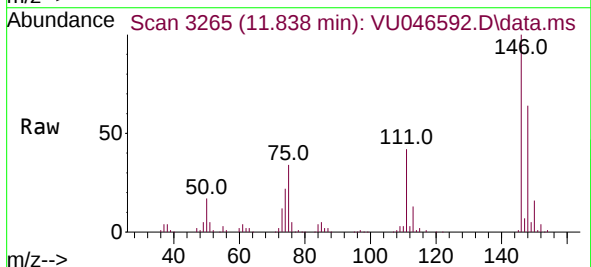
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

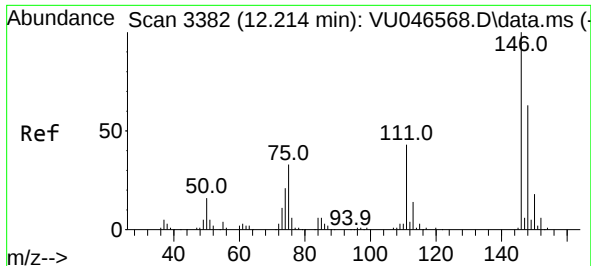
Tgt Ion:146 Resp: 112397
Ion Ratio Lower Upper
146 100
111 42.7 29.9 55.5
148 64.3 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.366 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion:146 Resp: 114862
Ion Ratio Lower Upper
146 100
111 41.5 28.7 53.3
148 64.4 45.8 85.0

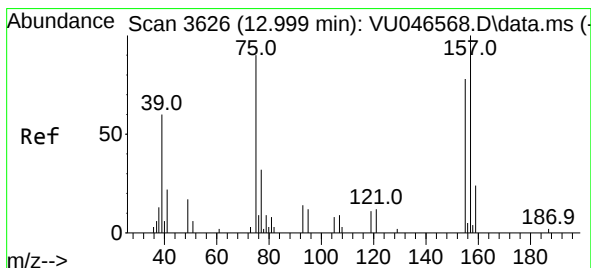
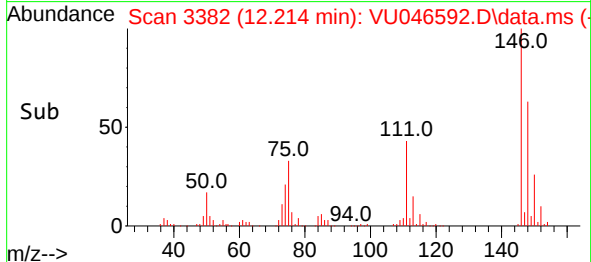
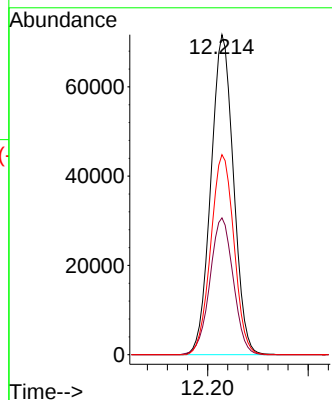
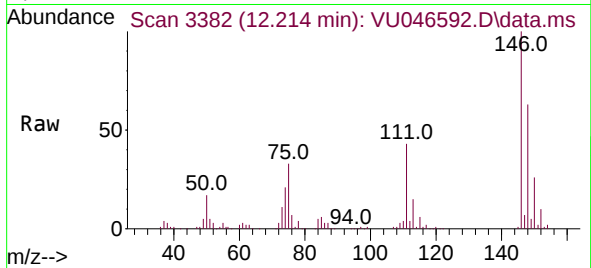




#67
1,2-Dichlorobenzene
Concen: 5.334 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

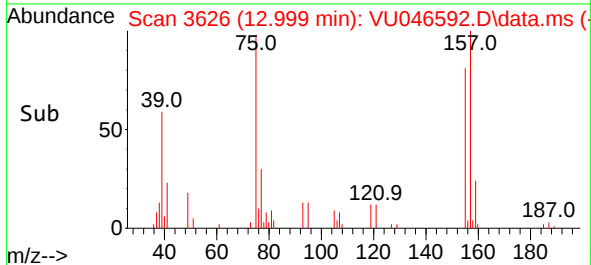
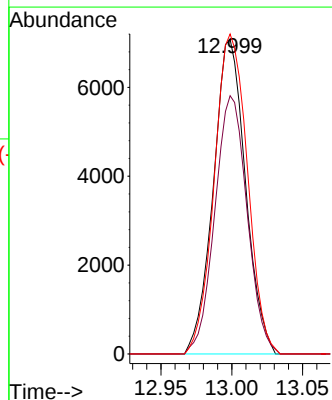
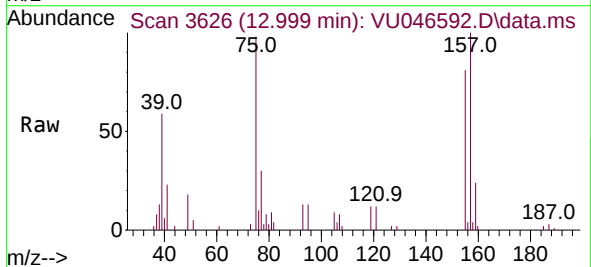
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

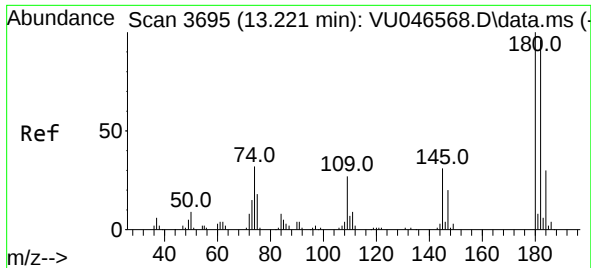
Tgt Ion:146 Resp: 111881
Ion Ratio Lower Upper
146 100
111 42.8 35.4 53.0
148 62.5 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.219 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion: 75 Resp: 11191
Ion Ratio Lower Upper
75 100
155 82.0 59.2 88.8
157 101.7 76.5 114.7

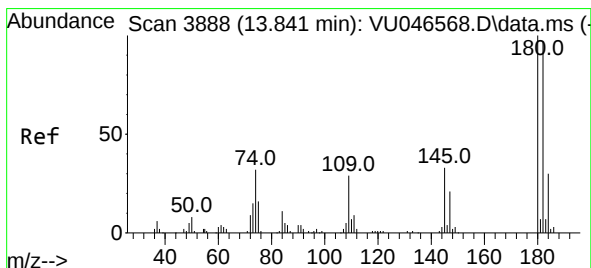
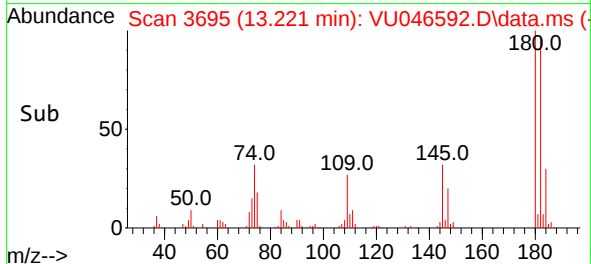
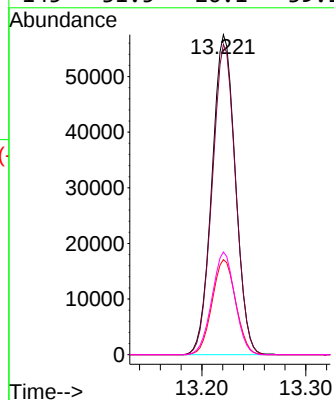
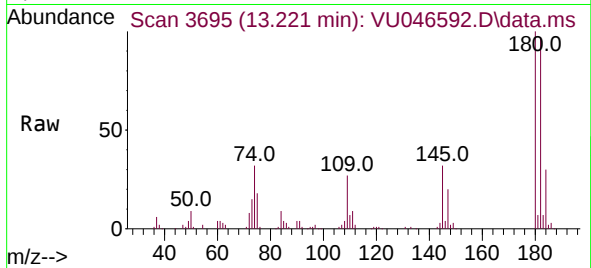




#69
 1,3,5-Trichlorobenzene
 Concen: 5.686 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU046592.D
 Acq: 27 Dec 2021 11:25

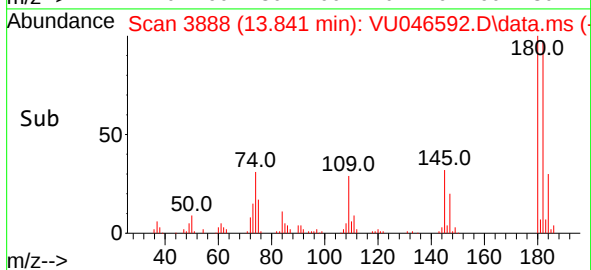
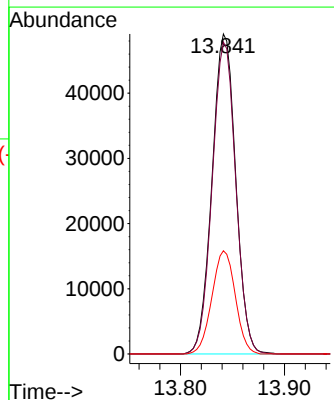
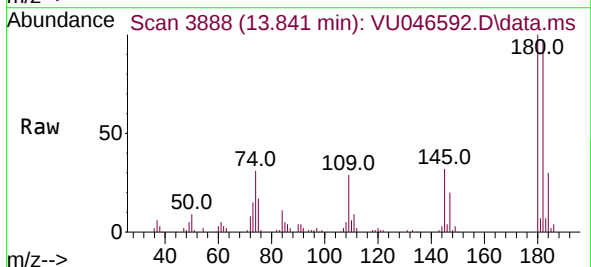
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

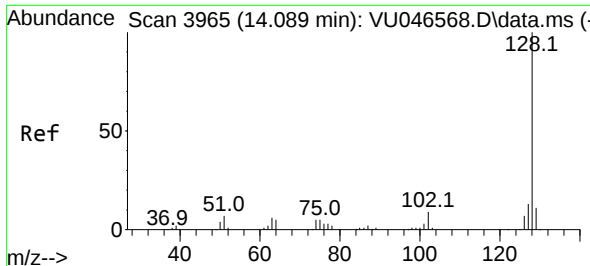
Tgt Ion:180	Resp:	89986
Ion Ratio	Lower	Upper
180	100	
182	96.7	76.1 114.1
184	29.9	25.0 37.4
145	31.5	26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.793 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046592.D
 Acq: 27 Dec 2021 11:25

Tgt Ion:180	Resp:	77654
Ion Ratio	Lower	Upper
180	100	
182	96.7	76.4 114.6
145	31.9	25.6 38.4

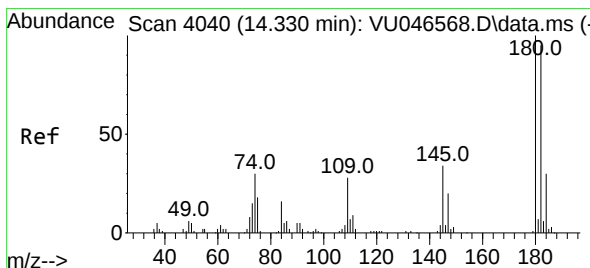
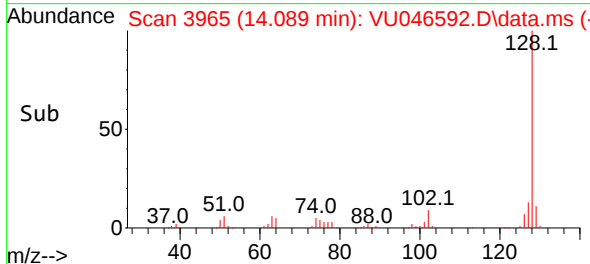
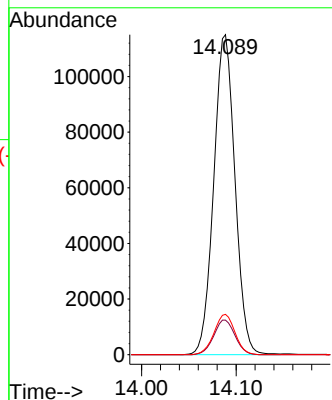
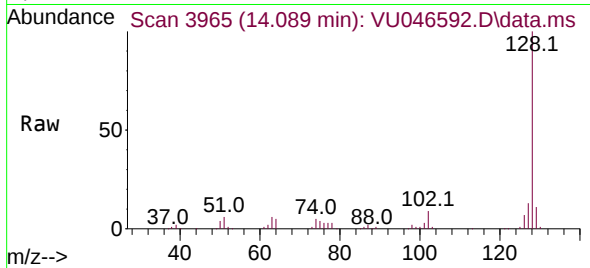




#71
Naphthalene
Concen: 6.029 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

Tgt Ion:128 Resp: 179494
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 12.4 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.818 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046592.D
Acq: 27 Dec 2021 11:25

Tgt Ion:180 Resp: 77212
Ion Ratio Lower Upper
180 100
182 94.8 76.2 114.4
145 32.7 28.4 42.6

