

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052522\
 Data File : VU048667.D
 Acq On : 25 May 2022 16:36
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050141

Quant Time: May 26 06:52:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 26 06:51:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	212058	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	208741	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	155063	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	57933	44.604	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.200%
7) Chloroethane-d5	1.912	69	45639	46.902	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.568	63	142600	48.546	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.100%
21) 2-Butanone-d5	4.620	46	103652	83.860	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.860%
24) Chloroform-d	5.066	84	164148	50.012	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.020%
26) 1,2-Dichloroethane-d4	5.703	65	112023	48.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.760%
32) Benzene-d6	5.729	84	278940	48.015	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.040%
36) 1,2-Dichloropropane-d6	6.693	67	78211	45.859	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.720%
41) Toluene-d8	7.899	98	273909	50.126	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.260%
43) trans-1,3-Dichloroprop...	8.182	79	50088	45.928	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.860%
47) 2-Hexanone-d5	8.632	63	71936	76.912	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.910%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	124101	43.975	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.940%
66) 1,2-Dichlorobenzene-d4	12.195	152	181789	57.348	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	113135	49.645	ug/L	98
3) Chloromethane	1.523	50	60063	42.716	ug/L	95
5) Vinyl chloride	1.604	62	69862	46.706	ug/L	100
6) Bromomethane	1.854	94	55062	50.991	ug/L	97
8) Chloroethane	1.935	64	45557	51.746	ug/L	100
9) Trichlorofluoromethane	2.137	101	201172	68.894	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	79201	53.191	ug/L	96
12) 1,1-Dichloroethene	2.581	96	69490	50.365	ug/L	97
13) Acetone	2.626	43	81062	80.725	ug/L	100
14) Carbon disulfide	2.793	76	188019	46.959	ug/L	99
15) Methyl Acetate	2.948	43	78968	46.077	ug/L	97
16) Methylene chloride	3.047	84	80092	49.863	ug/L	96
17) trans-1,2-Dichloroethene	3.356	96	76133	51.161	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	273042	52.885	ug/L	99
19) 1,1-Dichloroethane	3.870	63	140937	51.732	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	88342	52.641	ug/L	93
22) 2-Butanone	4.703	43	112171	87.976	ug/L	98
23) Bromochloromethane	4.976	128	50649	54.389	ug/L	91
25) Chloroform	5.089	83	169248	53.223	ug/L	95

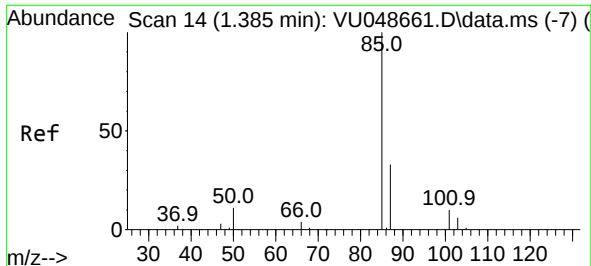
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052522\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	146369	53.656	ug/L	97
29) Cyclohexane	5.391	56	105231	49.081	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	170401	53.914	ug/L	97
31) Carbon tetrachloride	5.526	117	158284	54.951	ug/L	98
33) Benzene	5.777	78	316068	51.827	ug/L	100
34) Trichloroethene	6.542	95	90197	52.276	ug/L	100
35) Methylcyclohexane	6.764	83	123325	49.809	ug/L	99
37) 1,2-Dichloropropane	6.790	63	75977	49.824	ug/L	98
38) Bromodichloromethane	7.108	83	133953	54.294	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	134454	51.643	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	214197	92.046	ug/L	98
42) Toluene	7.970	91	354332	53.306	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	146335	53.297	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	85513	52.366	ug/L	98
46) Tetrachloroethene	8.555	164	78416	55.695	ug/L	99
48) 2-Hexanone	8.684	43	175189	87.866	ug/L	98
49) Dibromochloromethane	8.812	129	114476	54.526	ug/L	96
50) 1,2-Dibromoethane	8.925	107	97108	51.526	ug/L	96
51) Chlorobenzene	9.449	112	245103	52.870	ug/L	97
52) Ethylbenzene	9.571	91	394865	51.982	ug/L	99
53) m,p-Xylene	9.697	106	160959	52.727	ug/L	98
54) o-Xylene	10.102	106	155279	53.096	ug/L	98
55) Styrene	10.115	104	273434	53.775	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	137605	48.757	ug/L	97
59) Bromoform	10.291	173	93677	43.949	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	123170	40.051	ug/L	97
61) Isopropylbenzene	10.484	105	417952	43.766	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	242629	44.690	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	376181	44.559	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	257506	52.288	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	286060	55.976	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	320530	63.990	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	72407	60.897	ug/L	93
69) 1,3,5-Trichlorobenzene	13.220	180	240855	61.361	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	211891	59.685	ug/L	99
71) Naphthalene	14.089	128	662514	56.595	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	218202	61.217	ug/L	99

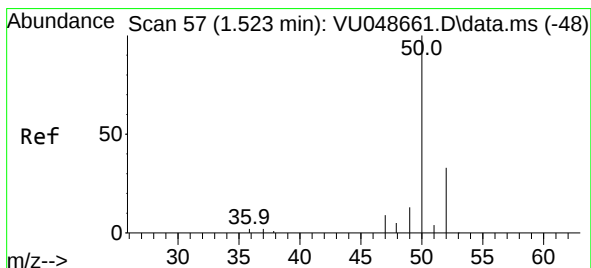
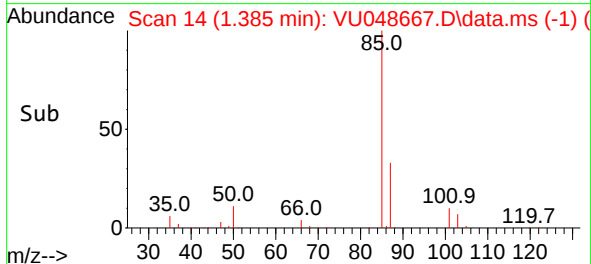
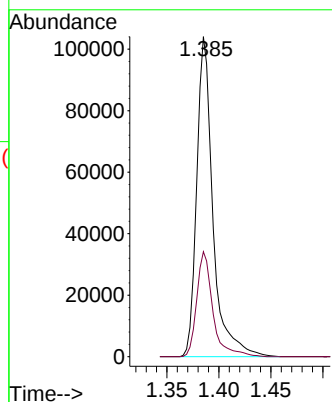
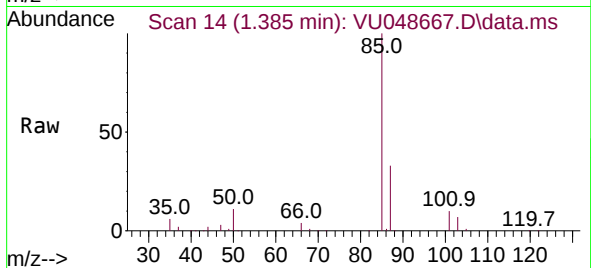
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#2
Dichlorodifluoromethane
Concen: 49.645 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

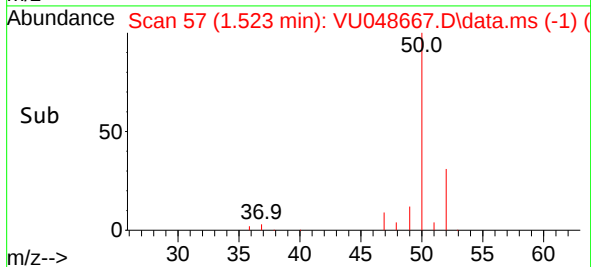
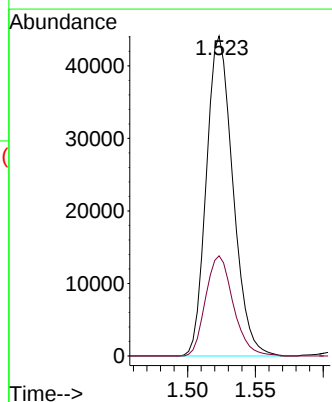
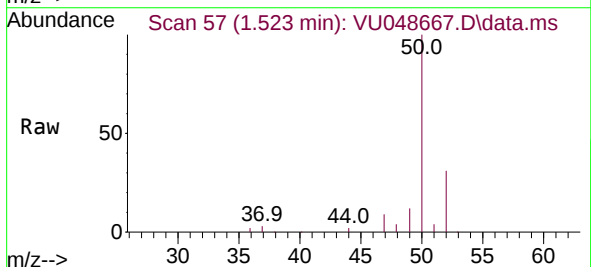
Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

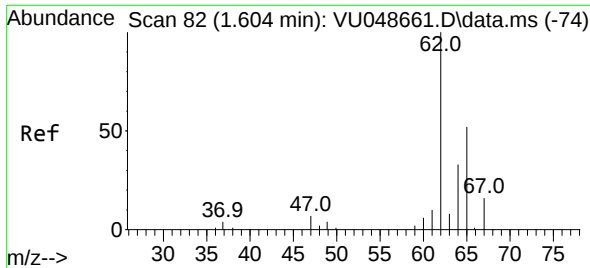
Tgt Ion: 85 Resp: 113135
Ion Ratio Lower Upper
85 100
87 32.7 25.4 38.2



#3
Chloromethane
Concen: 42.716 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion: 50 Resp: 60063
Ion Ratio Lower Upper
50 100
52 31.3 23.8 44.2

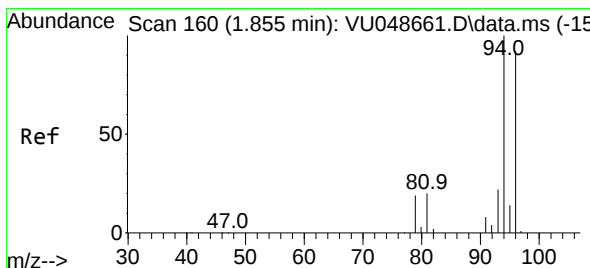
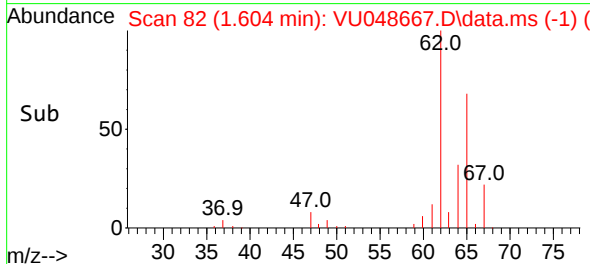
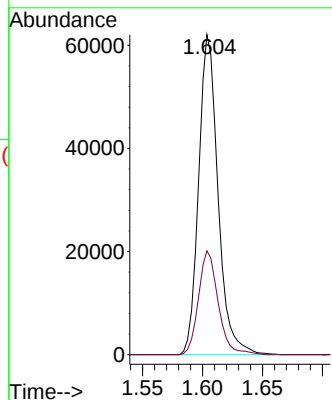
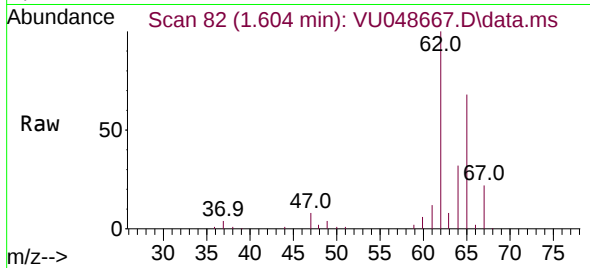




#5
 Vinyl chloride
 Concen: 46.706 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048667.D
 Acq: 25 May 2022 16:36

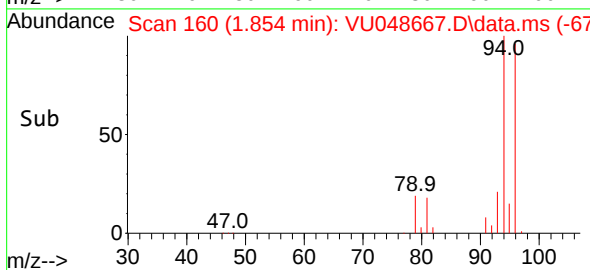
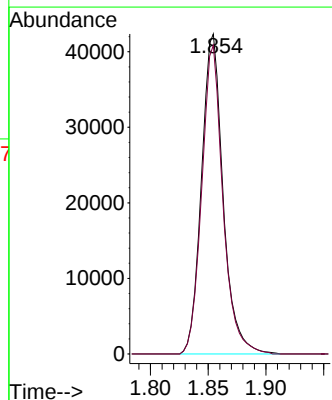
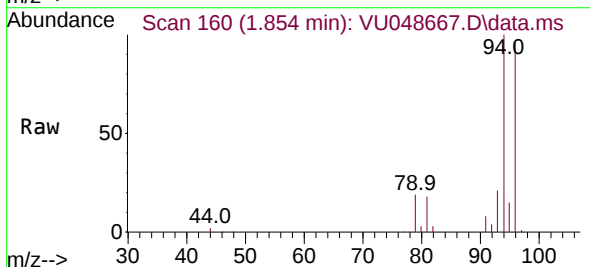
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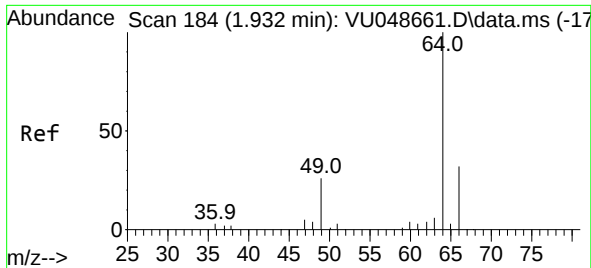
Tgt Ion: 62 Resp: 69862
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.9 42.5



#6
 Bromomethane
 Concen: 50.991 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VU048667.D
 Acq: 25 May 2022 16:36

Tgt Ion: 94 Resp: 55062
 Ion Ratio Lower Upper
 94 100
 96 96.4 65.7 121.9





#8

Chloroethane

Concen: 51.746 ug/L

RT: 1.935 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

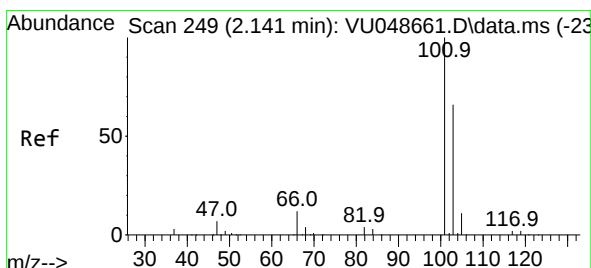
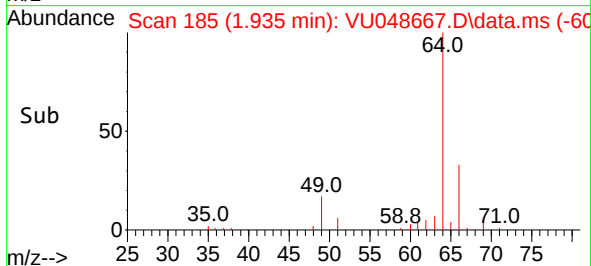
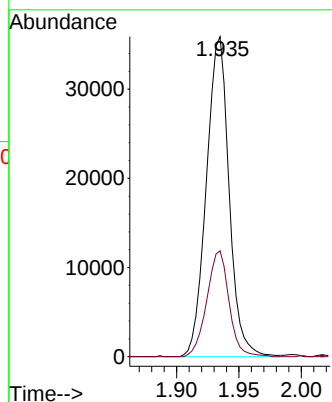
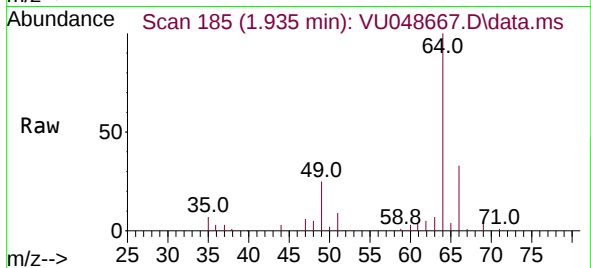
VSTD050141

Tgt Ion: 64 Resp: 45557

Ion Ratio Lower Upper

64 100

66 33.1 23.1 42.9



#9

Trichlorofluoromethane

Concen: 68.894 ug/L

RT: 2.137 min Scan# 248

Delta R.T. -0.003 min

Lab File: VU048667.D

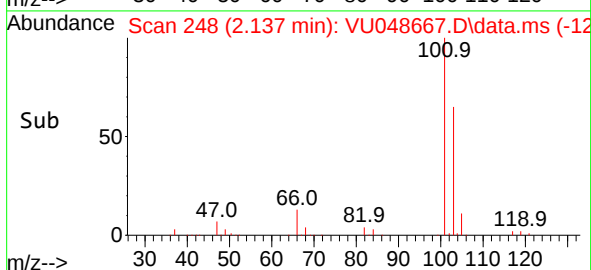
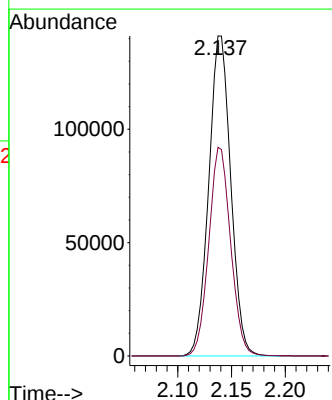
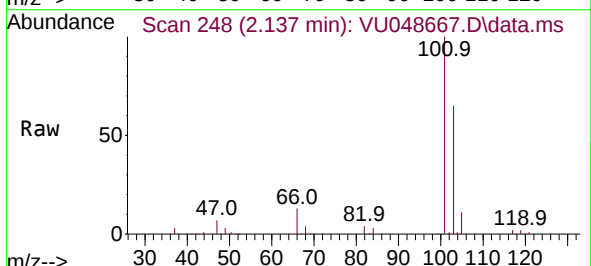
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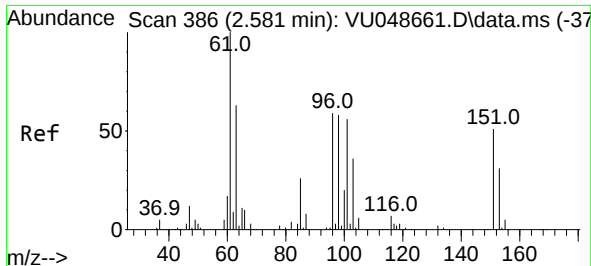
Tgt Ion:101 Resp: 201172

Ion Ratio Lower Upper

101 100

103 64.6 51.6 77.4

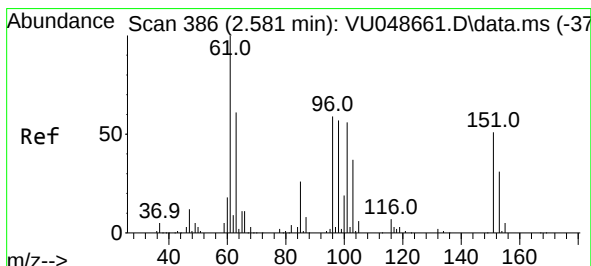
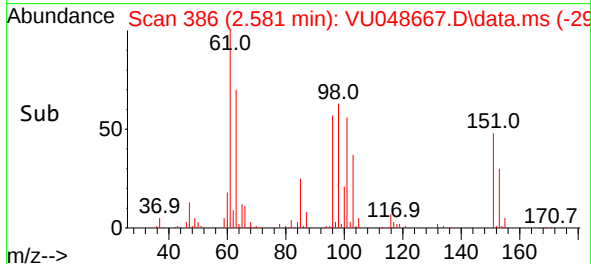
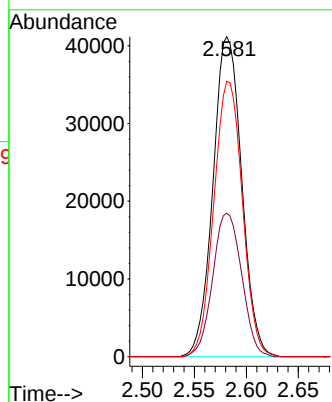
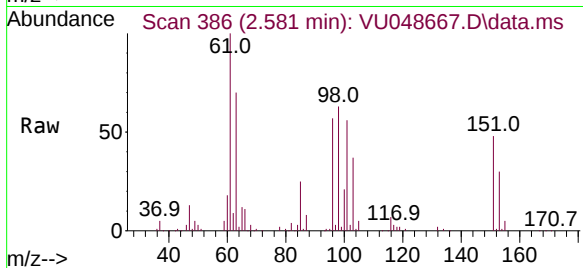




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.191 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU048667.D
 Acq: 25 May 2022 16:36

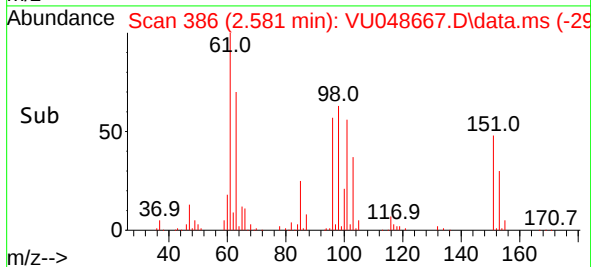
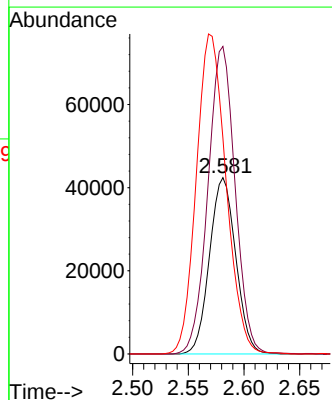
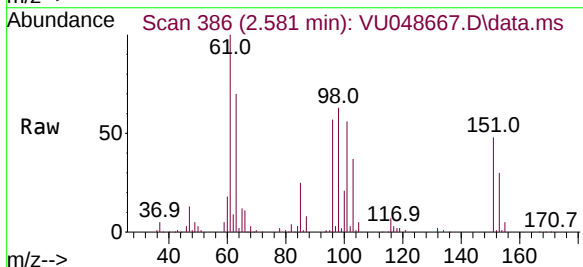
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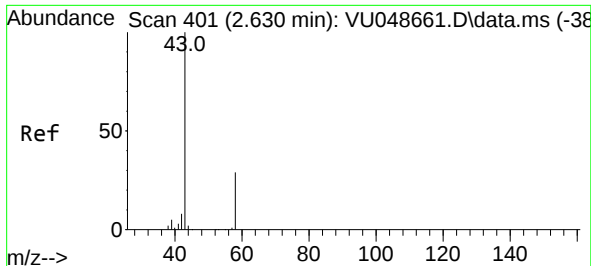
Tgt Ion:101 Resp: 79201
 Ion Ratio Lower Upper
 101 100
 85 45.2 35.7 53.5
 151 85.4 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 50.365 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU048667.D
 Acq: 25 May 2022 16:36

Tgt Ion: 96 Resp: 69490
 Ion Ratio Lower Upper
 96 100
 61 174.3 120.6 224.0
 63 122.4 82.3 152.9





#13

Acetone

Concen: 80.725 ug/L

RT: 2.626 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

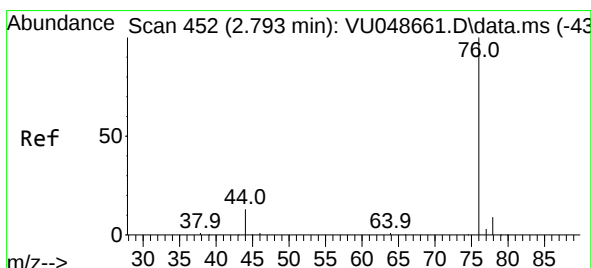
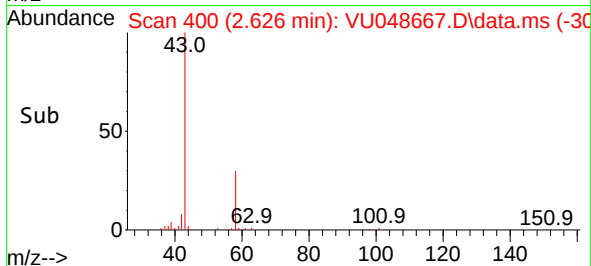
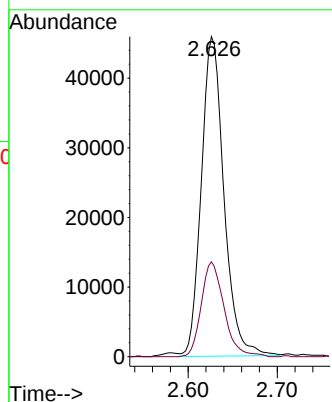
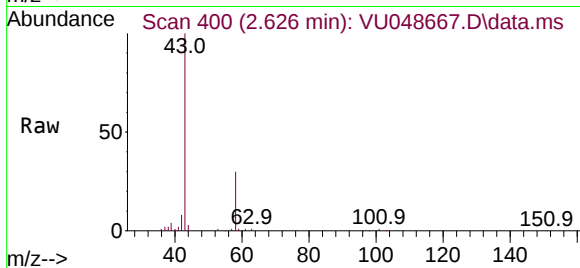
VSTD050141

Tgt Ion: 43 Resp: 81062

Ion Ratio Lower Upper

43 100

58 29.8 0.0 59.8



#14

Carbon disulfide

Concen: 46.959 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU048667.D

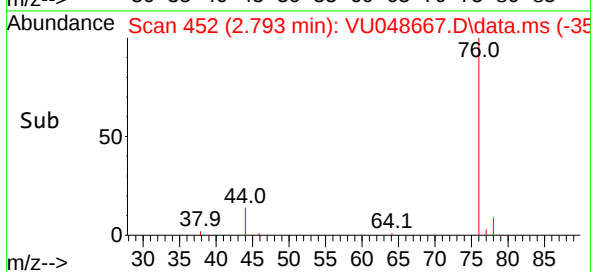
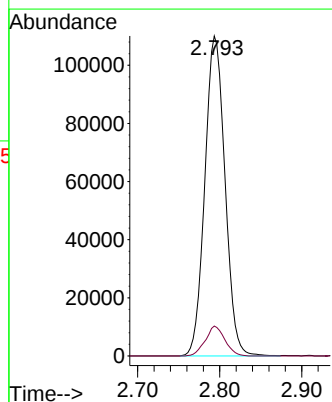
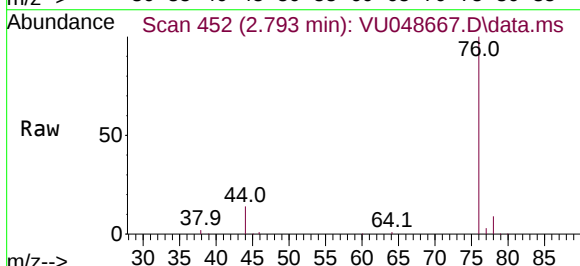
Acq: 25 May 2022 16:36

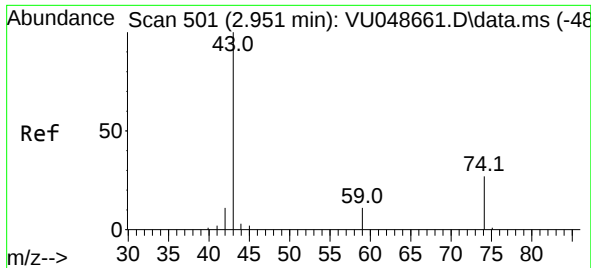
Tgt Ion: 76 Resp: 188019

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

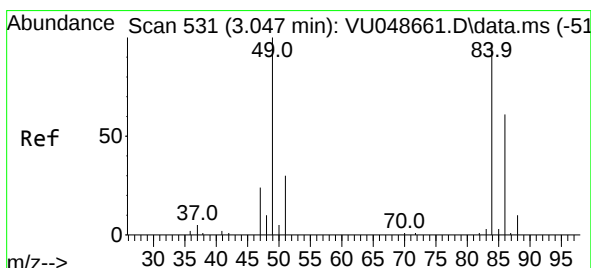
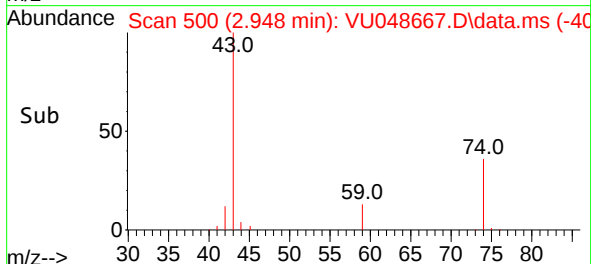
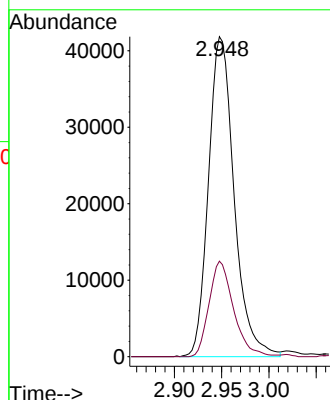
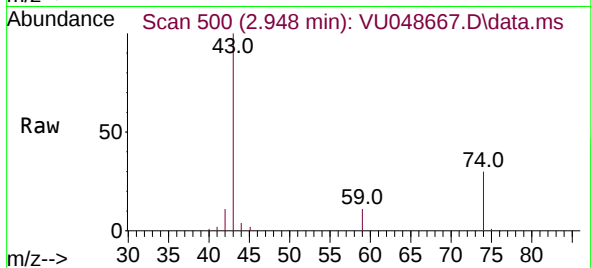




#15
Methyl Acetate
Concen: 46.077 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

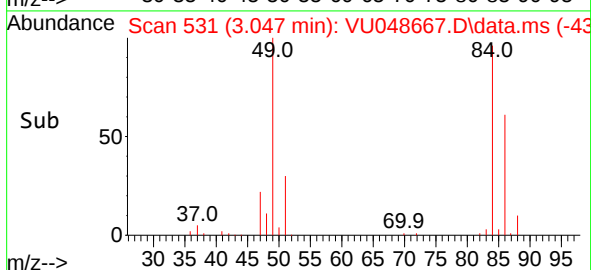
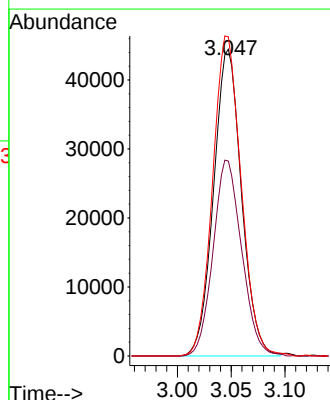
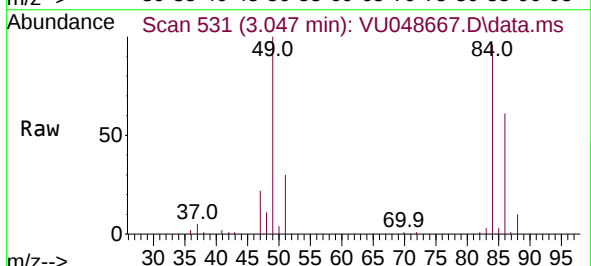
Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

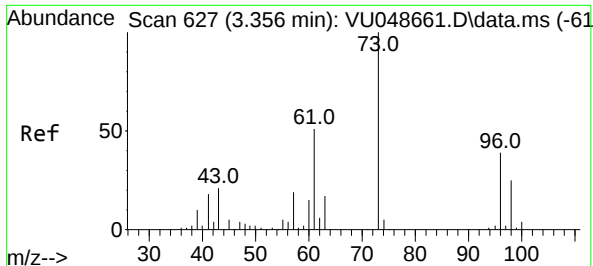
Tgt Ion: 43 Resp: 78968
Ion Ratio Lower Upper
43 100
74 28.5 21.7 32.5



#16
Methylene chloride
Concen: 49.863 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion: 84 Resp: 80092
Ion Ratio Lower Upper
84 100
86 63.5 43.5 80.9
49 104.0 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 51.161 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050141

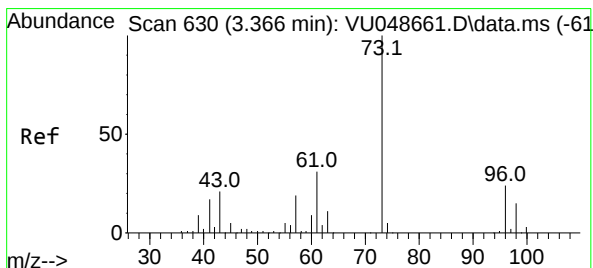
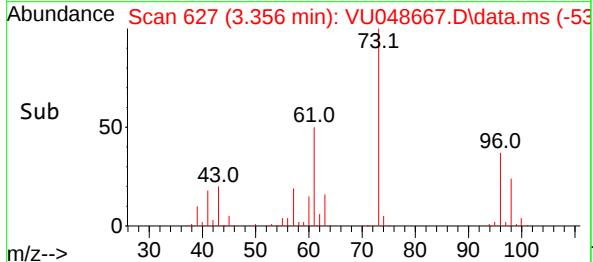
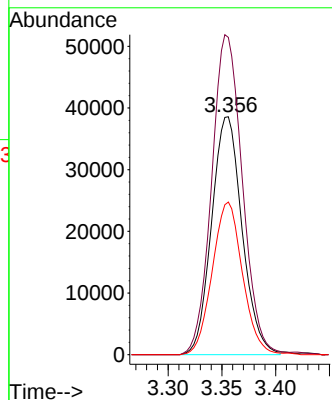
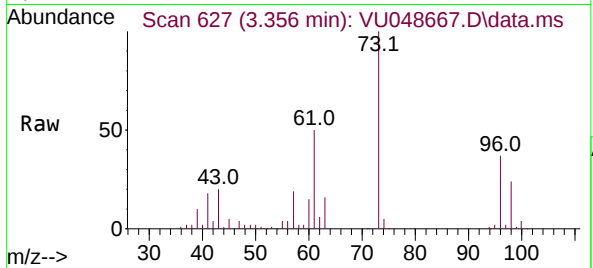
Tgt Ion: 96 Resp: 76133

Ion Ratio Lower Upper

96 100

61 133.4 94.2 175.0

98 64.2 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 52.885 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

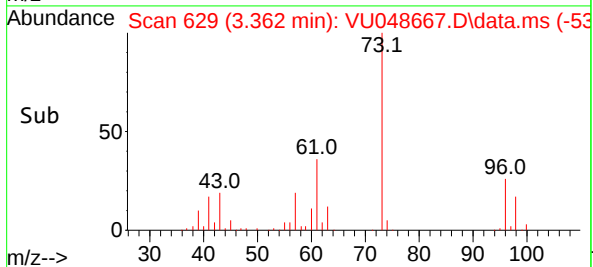
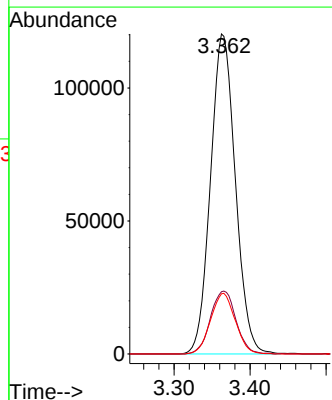
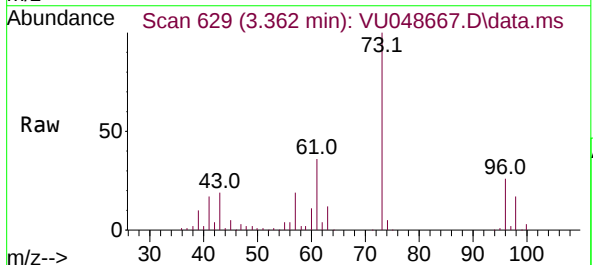
Tgt Ion: 73 Resp: 273042

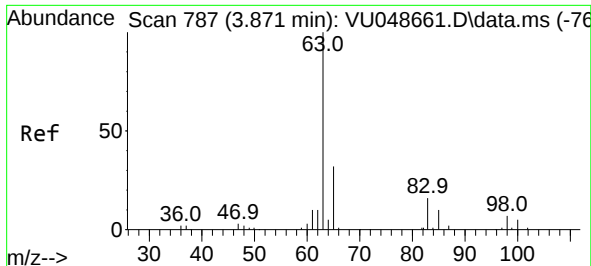
Ion Ratio Lower Upper

73 100

43 20.2 16.2 24.4

57 18.9 15.7 23.5





#19

1,1-Dichloroethane

Concen: 51.732 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050141

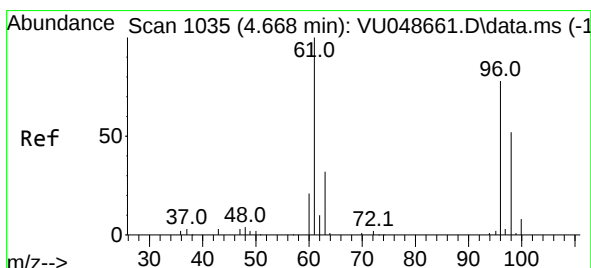
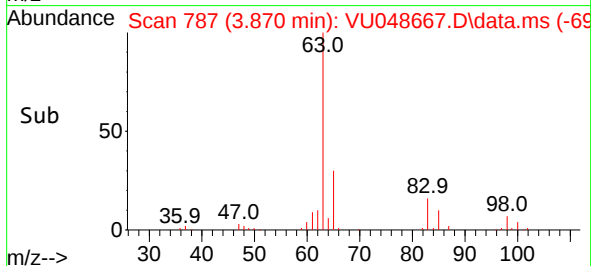
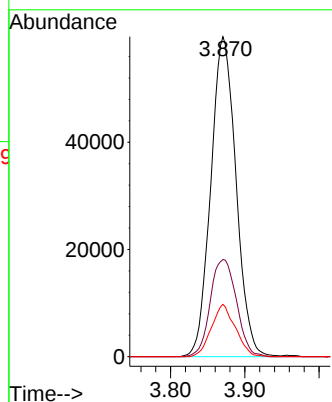
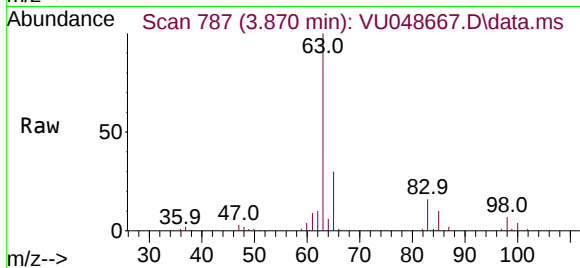
Tgt Ion: 63 Resp: 140937

Ion Ratio Lower Upper

63 100

65 30.4 21.8 40.6

83 16.3 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 52.641 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

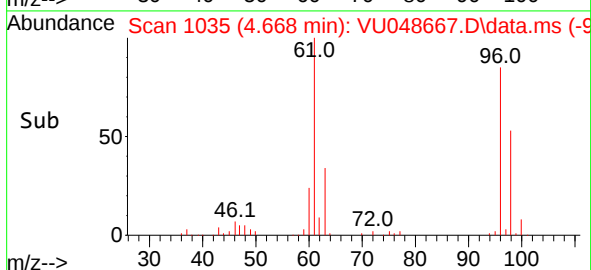
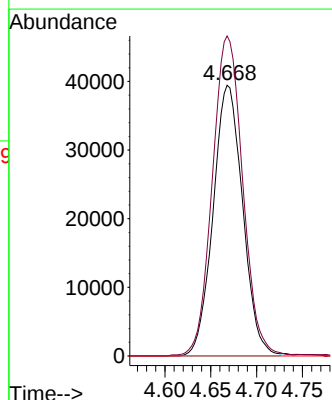
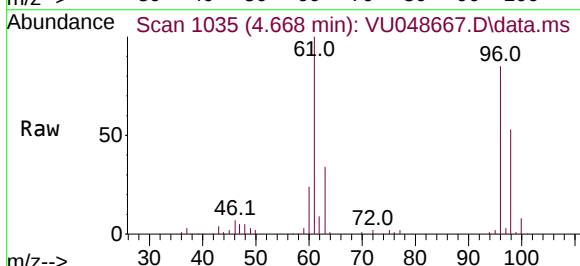
Tgt Ion: 96 Resp: 88342

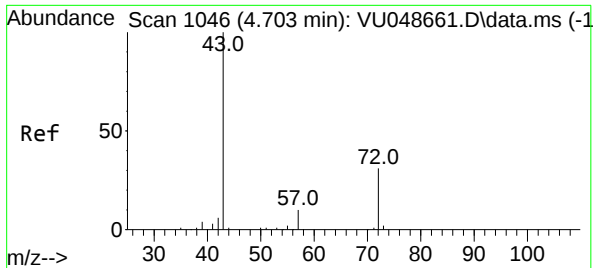
Ion Ratio Lower Upper

96 100

61 118.2 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 87.976 ug/L

RT: 4.703 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

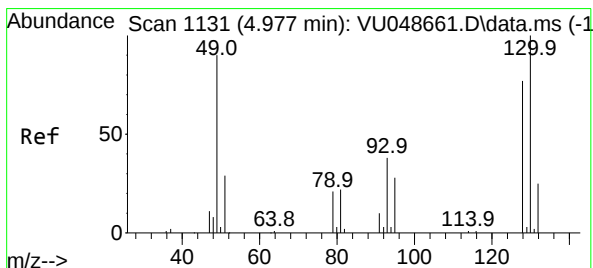
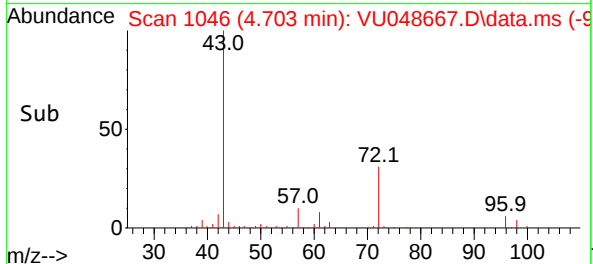
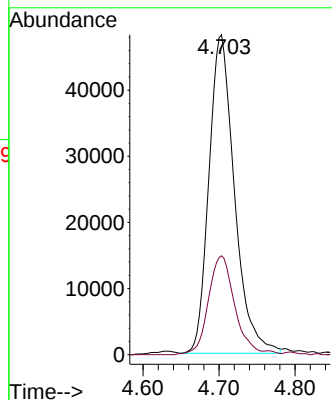
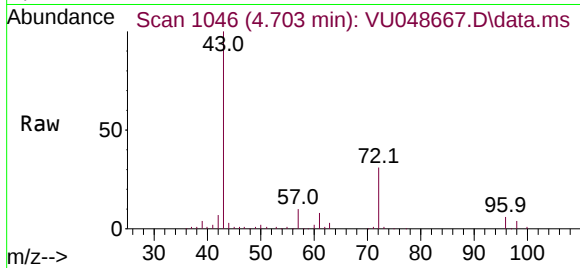
VSTD050141

Tgt Ion: 43 Resp: 112171

Ion Ratio Lower Upper

43 100

72 31.8 15.4 46.2



#23

Bromochloromethane

Concen: 54.389 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Tgt Ion: 128 Resp: 50649

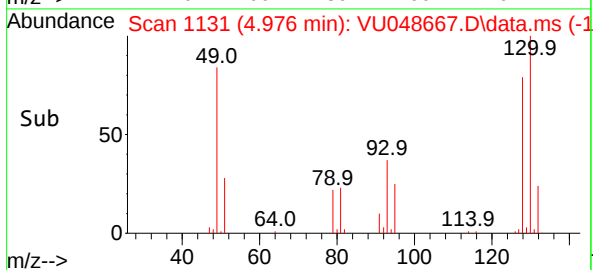
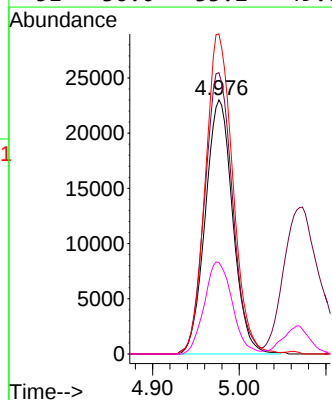
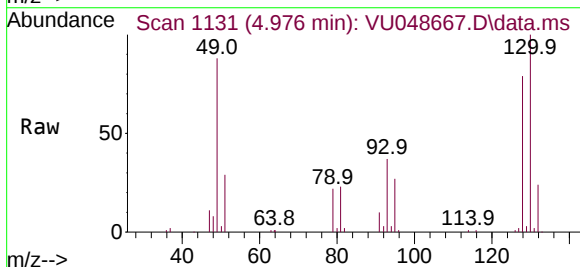
Ion Ratio Lower Upper

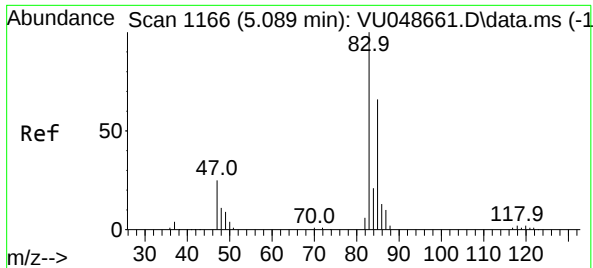
128 100

49 110.7 91.9 170.7

130 126.0 88.4 164.2

51 36.0 33.2 49.8

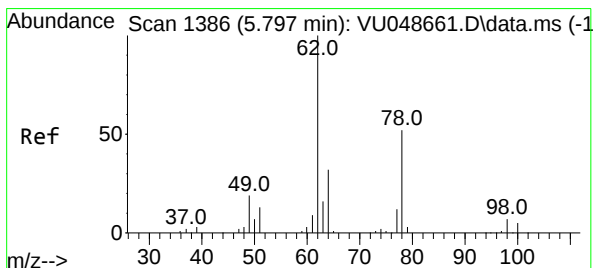
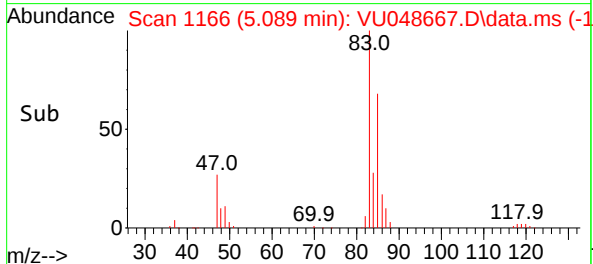
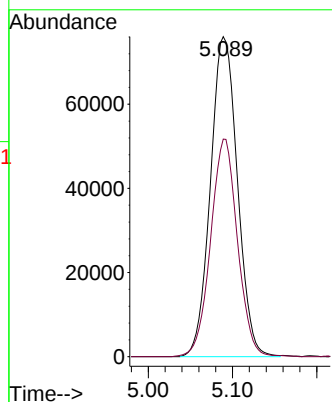
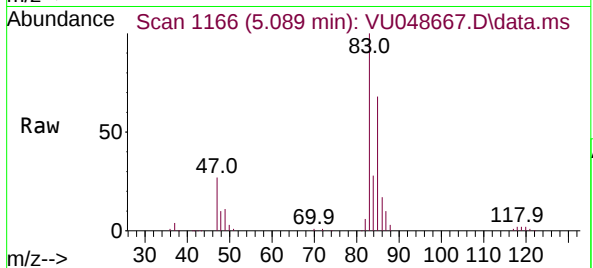




#25
Chloroform
Concen: 53.223 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

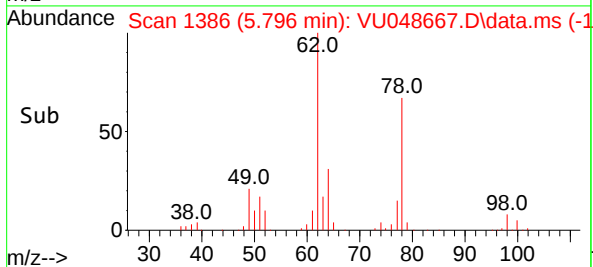
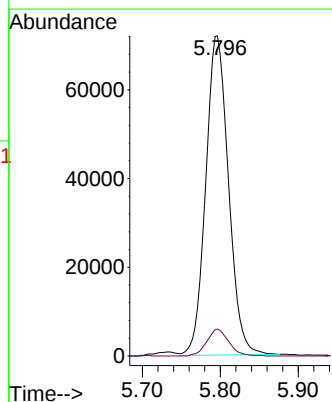
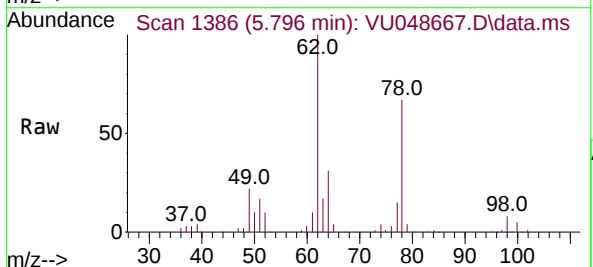
Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

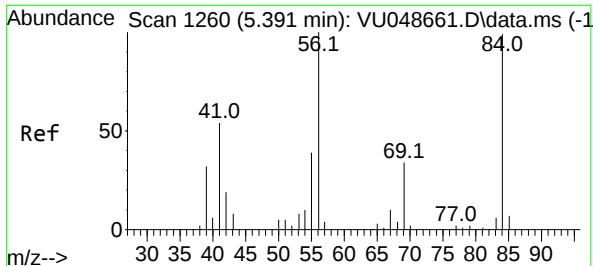
Tgt Ion: 83 Resp: 169248
Ion Ratio Lower Upper
83 100
85 68.0 45.1 83.7



#27
1,2-Dichloroethane
Concen: 53.656 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion: 62 Resp: 146369
Ion Ratio Lower Upper
62 100
98 8.4 6.0 9.0





#29

Cyclohexane

Concen: 49.081 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050141

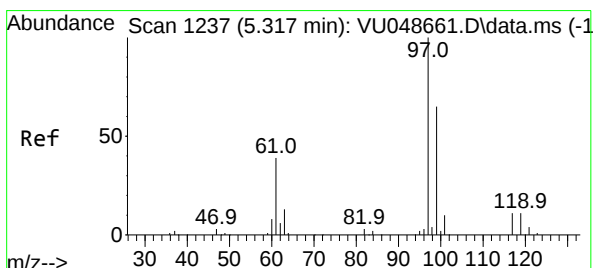
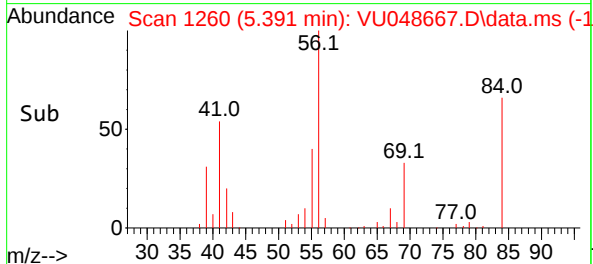
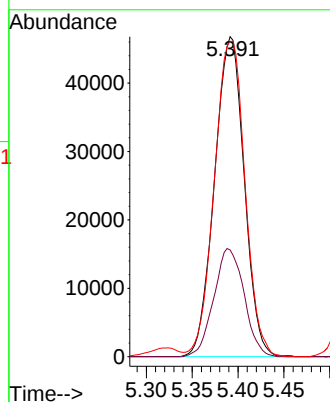
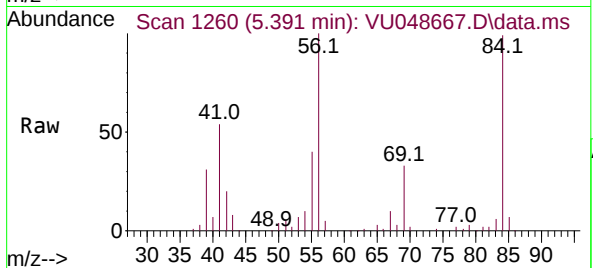
Tgt Ion: 56 Resp: 105231

Ion Ratio Lower Upper

56 100

69 34.5 26.5 39.7

84 102.2 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 53.914 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

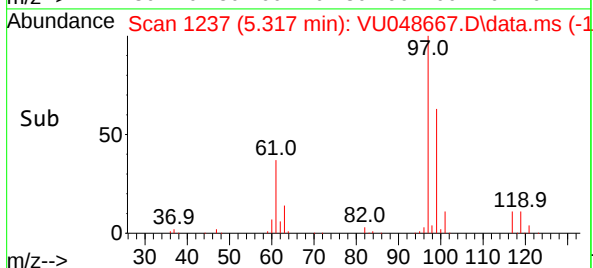
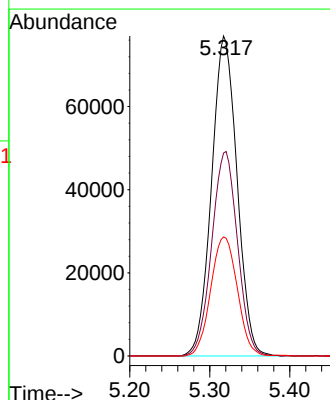
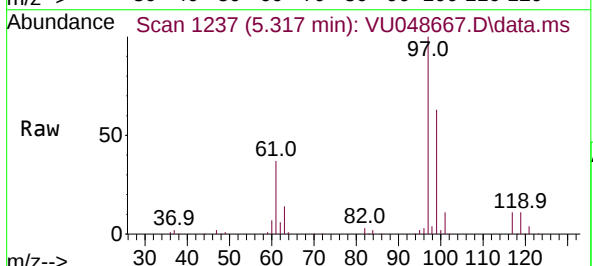
Tgt Ion: 97 Resp: 170401

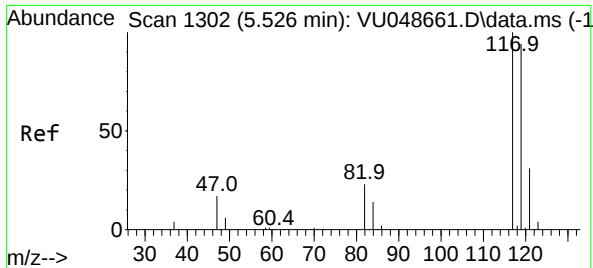
Ion Ratio Lower Upper

97 100

99 64.7 50.3 75.5

61 38.8 32.6 48.8

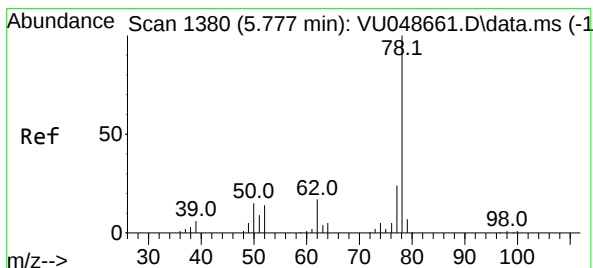
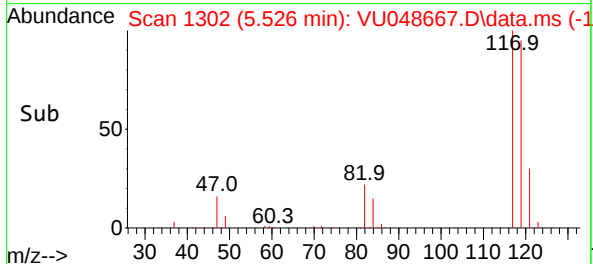
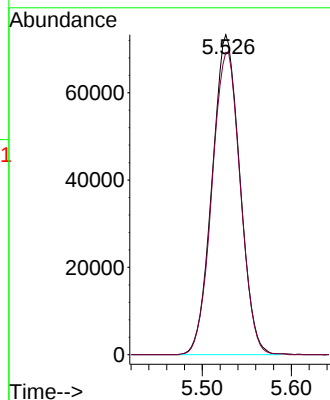
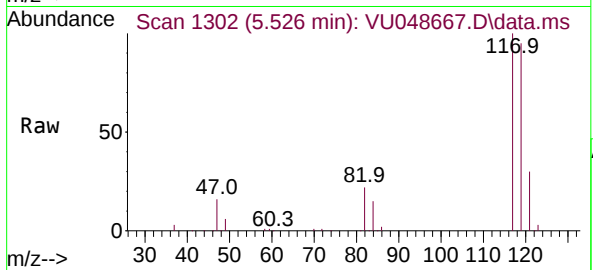




#31
Carbon tetrachloride
Concen: 54.951 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

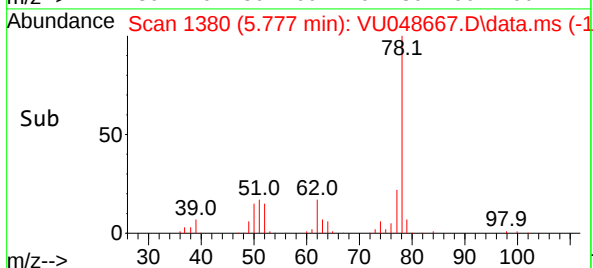
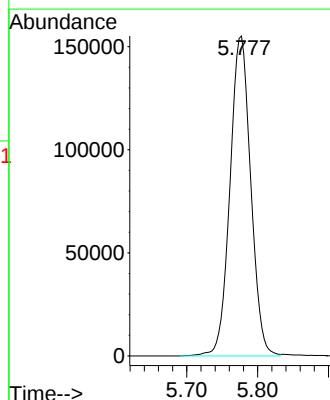
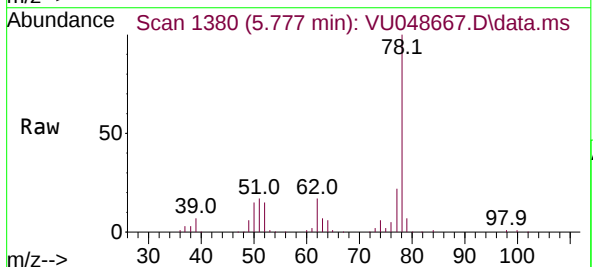
Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

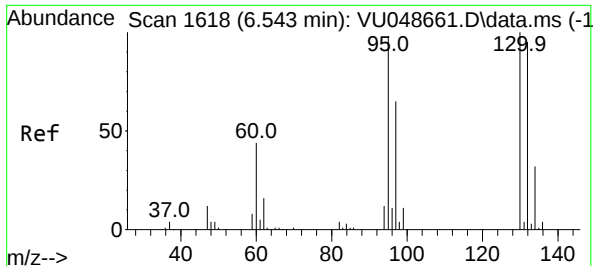
Tgt Ion:117 Resp: 158284
Ion Ratio Lower Upper
117 100
119 96.6 76.0 114.0



#33
Benzene
Concen: 51.827 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion: 78 Resp: 316068

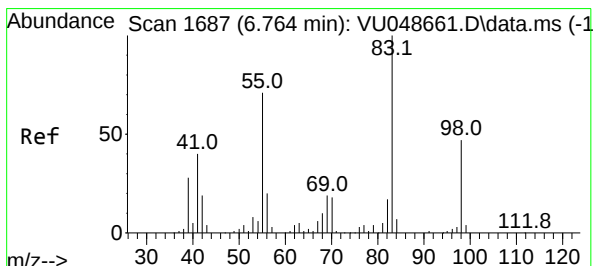
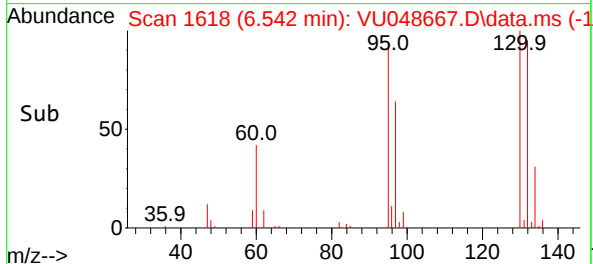
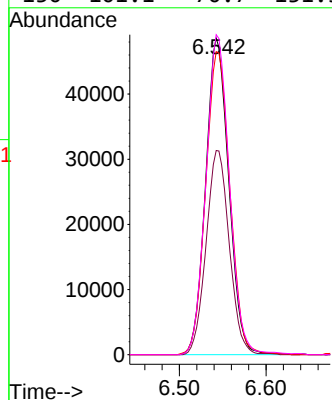
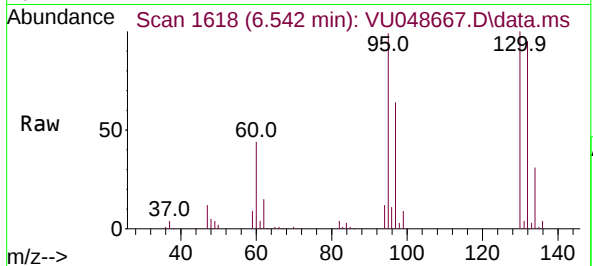




#34
Trichloroethene
Concen: 52.276 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

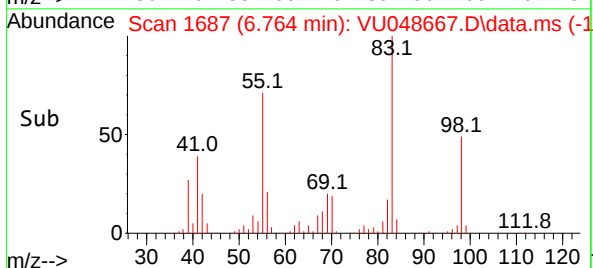
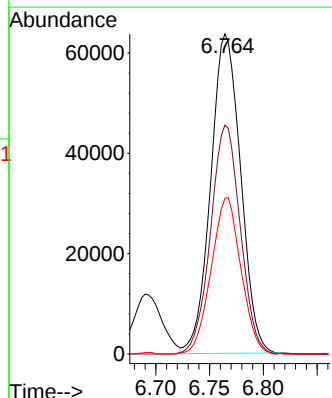
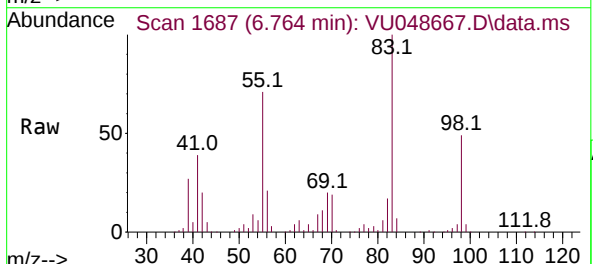
Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

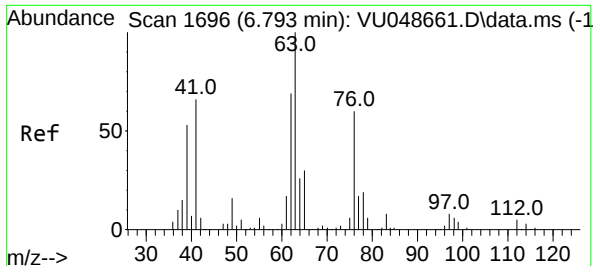
Tgt Ion: 95 Resp: 90197
Ion Ratio Lower Upper
95 100
97 64.5 45.2 84.0
132 95.7 67.3 124.9
130 101.1 70.7 131.3



#35
Methylcyclohexane
Concen: 49.809 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion: 83 Resp: 123325
Ion Ratio Lower Upper
83 100
55 71.1 56.2 84.4
98 48.6 38.2 57.2





#37

1,2-Dichloropropane

Concen: 49.824 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

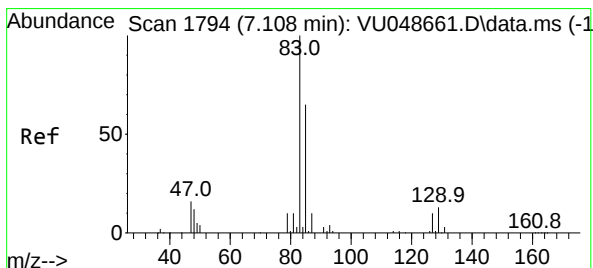
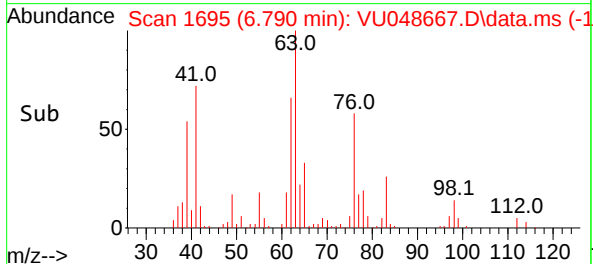
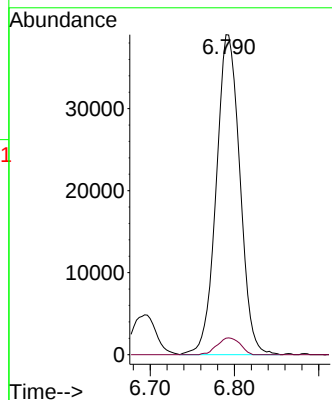
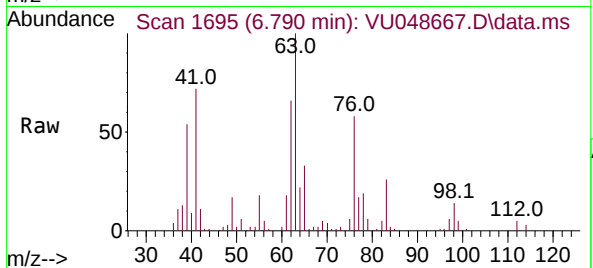
VSTD050141

Tgt Ion: 63 Resp: 75977

Ion Ratio Lower Upper

63 100

112 5.1 3.7 5.5



#38

Bromodichloromethane

Concen: 54.294 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

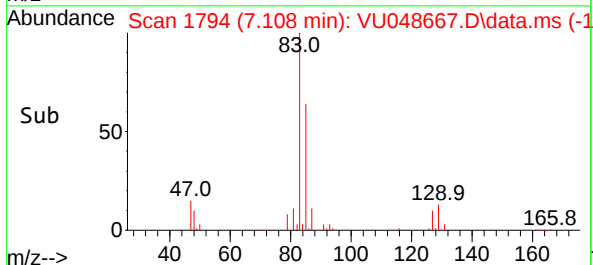
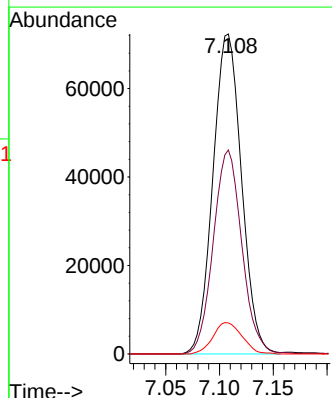
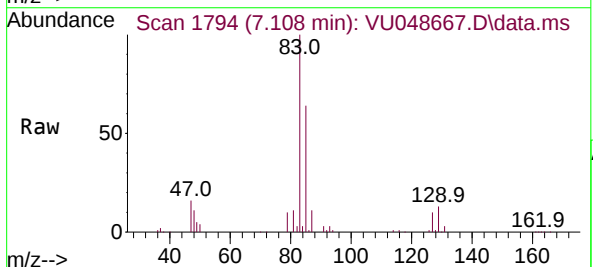
Tgt Ion: 83 Resp: 133953

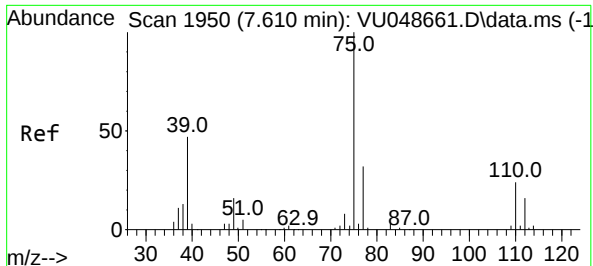
Ion Ratio Lower Upper

83 100

85 63.8 46.1 85.5

127 9.7 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 51.643 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

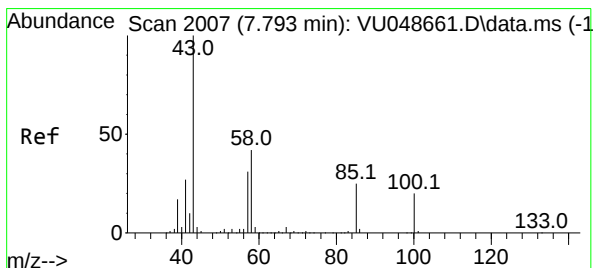
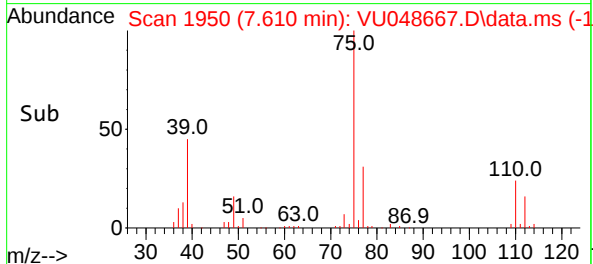
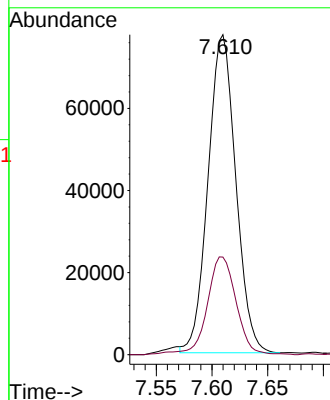
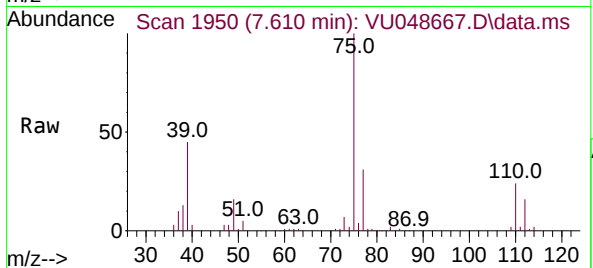
VSTD050141

Tgt Ion: 75 Resp: 134454

Ion Ratio Lower Upper

75 100

77 30.5 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 92.046 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

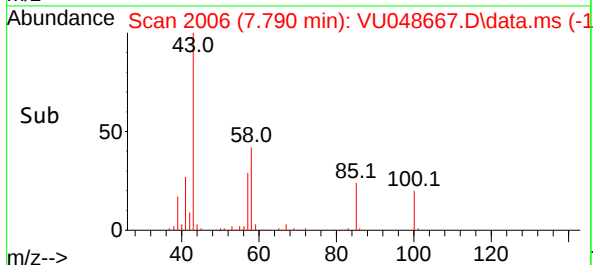
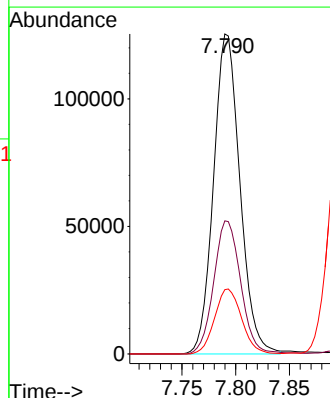
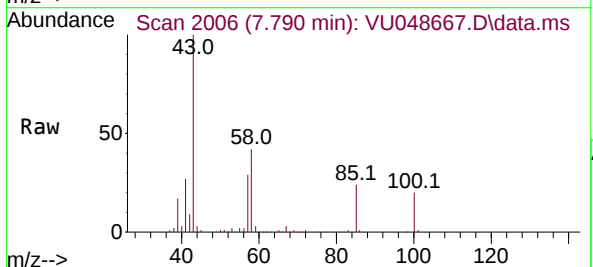
Tgt Ion: 43 Resp: 214197

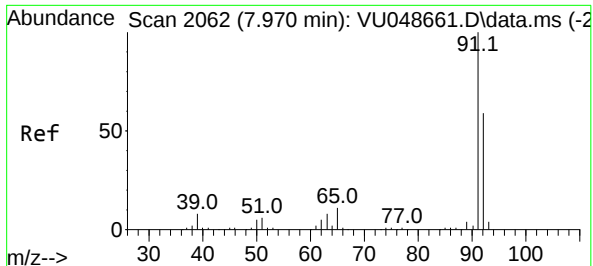
Ion Ratio Lower Upper

43 100

58 42.4 34.3 51.5

100 20.8 14.7 22.1





#42

Toluene

Concen: 53.306 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

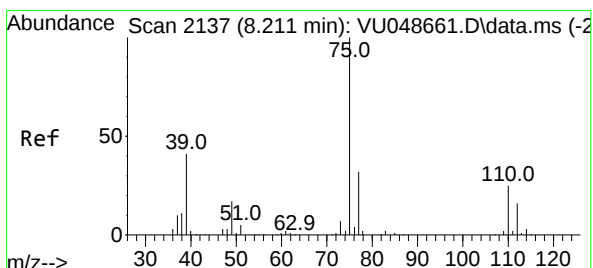
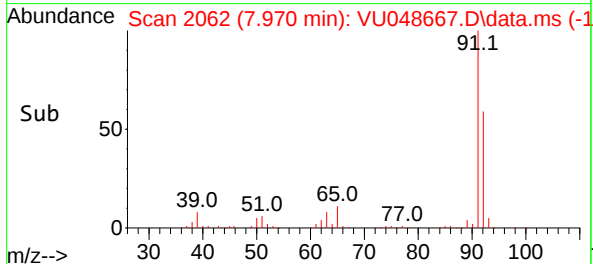
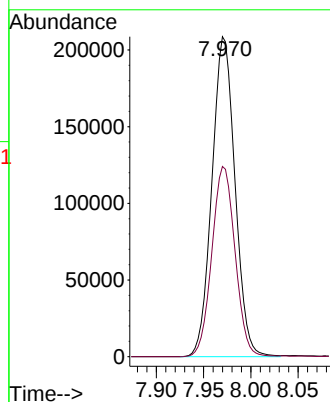
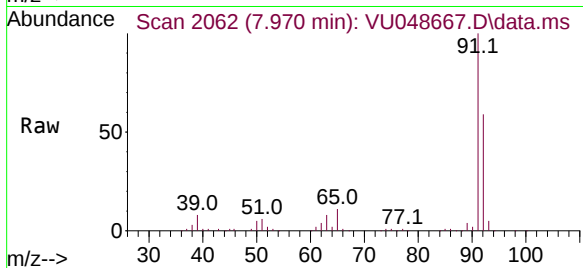
VSTD050141

Tgt Ion: 91 Resp: 354332

Ion Ratio Lower Upper

91 100

92 59.5 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 53.297 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048667.D

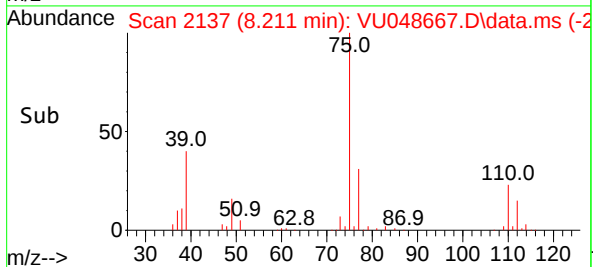
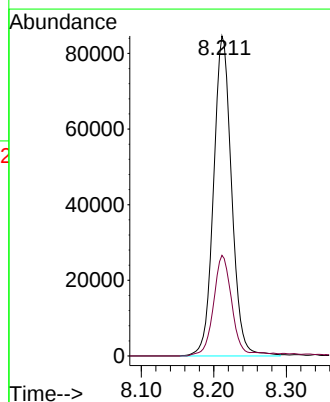
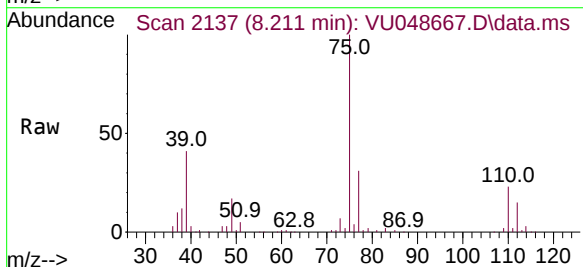
Acq: 25 May 2022 16:36

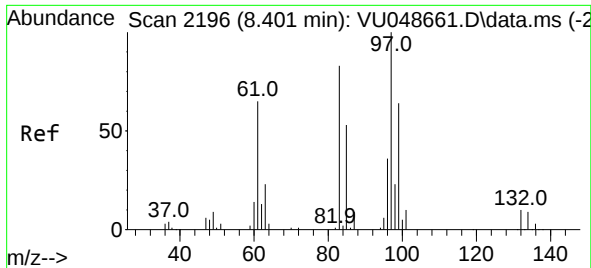
Tgt Ion: 75 Resp: 146335

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1

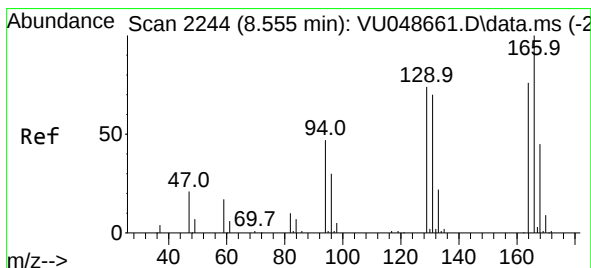
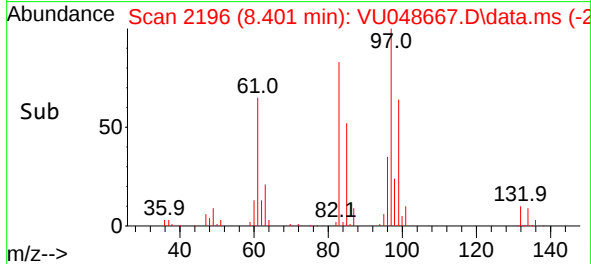
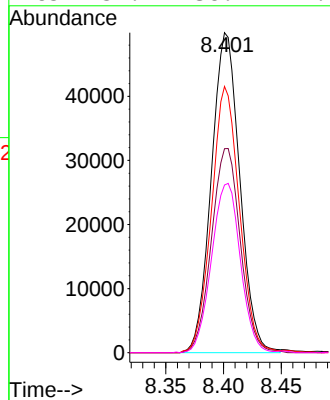
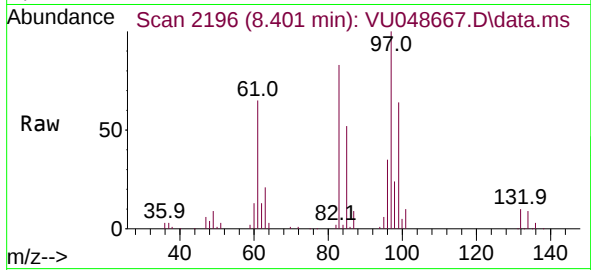




#45
1,1,2-Trichloroethane
Concen: 52.366 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

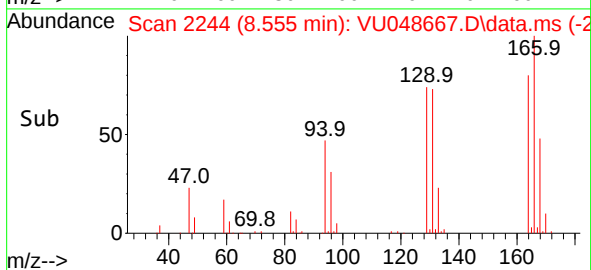
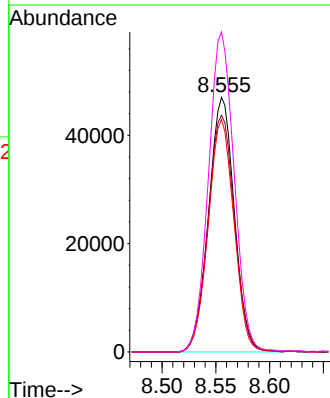
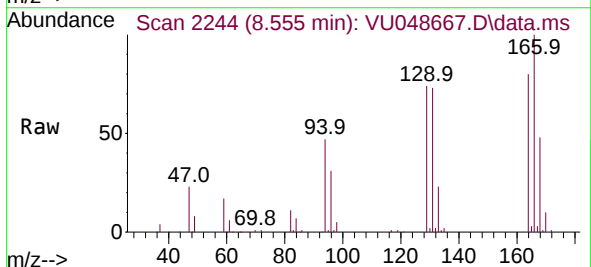
Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

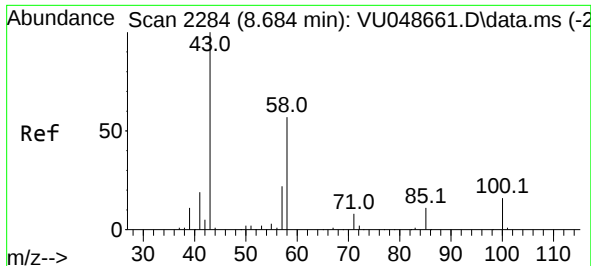
Tgt Ion:	97	Resp:	85513
Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.2	78.4
83	83.2	58.4	108.6
85	52.4	38.2	71.0



#46
Tetrachloroethene
Concen: 55.695 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion:	164	Resp:	78416
Ion	Ratio	Lower	Upper
164	100		
129	93.0	64.3	119.3
131	91.3	64.5	119.7
166	125.7	87.5	162.5

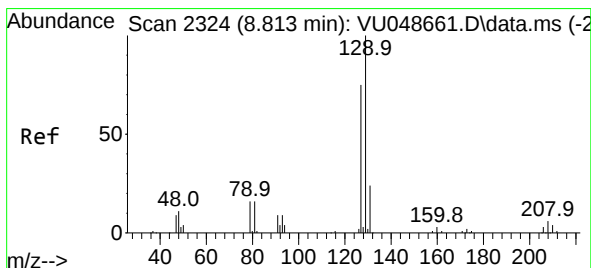
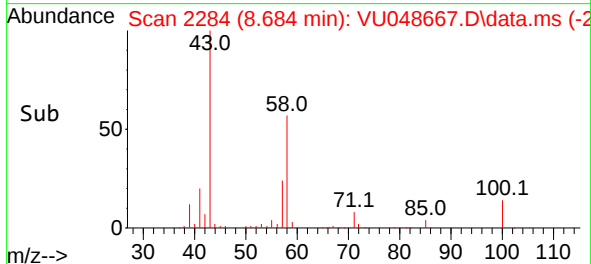
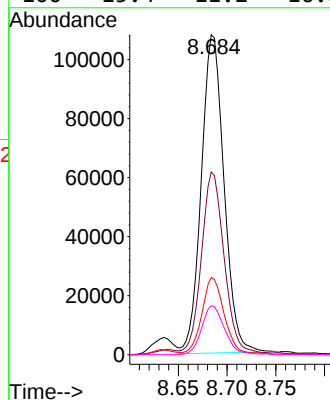
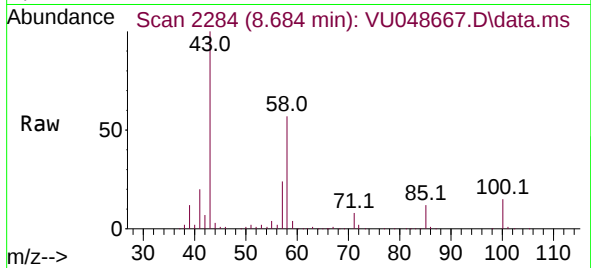




#48
2-Hexanone
Concen: 87.866 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

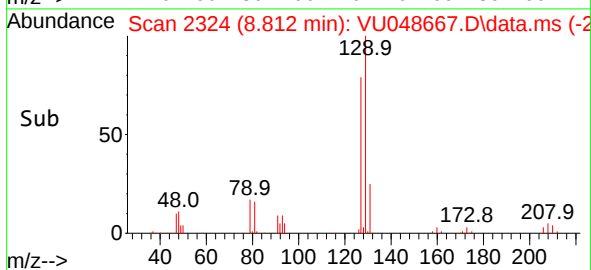
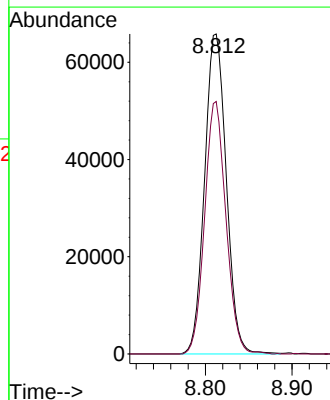
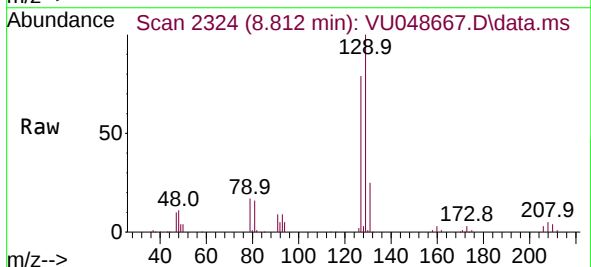
Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

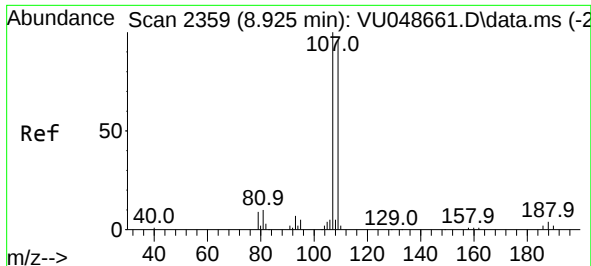
Tgt Ion: 43	Resp: 175189
Ion Ratio	Lower Upper
43 100	
58 57.5	45.8 68.6
57 22.7	16.8 25.2
100 15.4	11.2 16.8



#49
Dibromochloromethane
Concen: 54.526 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion:129	Resp: 114476		
Ion Ratio	Lower	Upper	
129 100			
127 78.9	53.1	98.5	





#50

1,2-Dibromoethane

Concen: 51.526 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050141

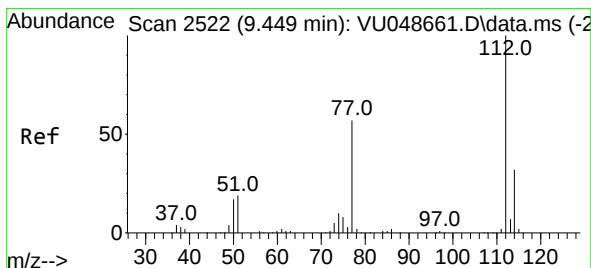
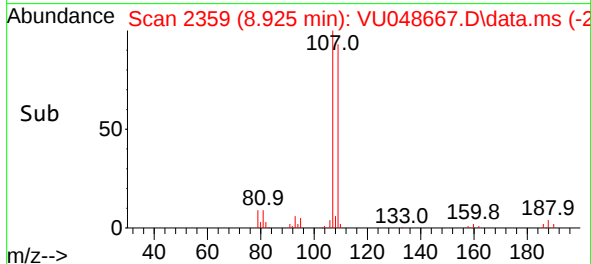
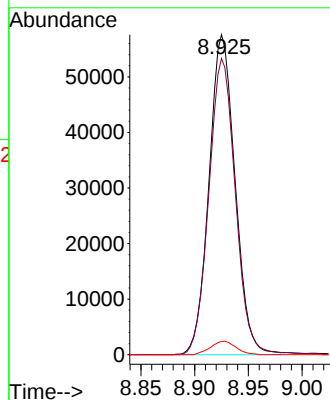
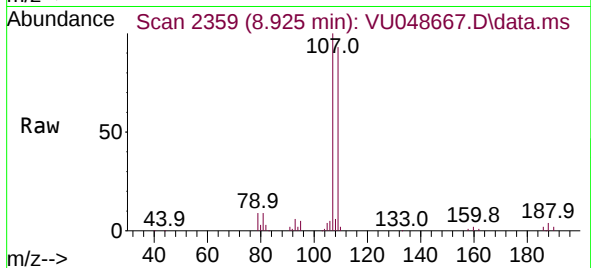
Tgt Ion:107 Resp: 97108

Ion Ratio Lower Upper

107 100

109 92.6 67.5 125.3

188 4.2 3.4 5.2



#51

Chlorobenzene

Concen: 52.870 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

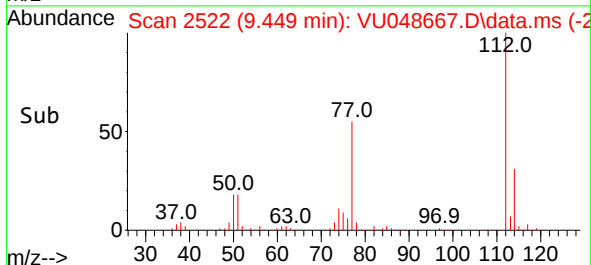
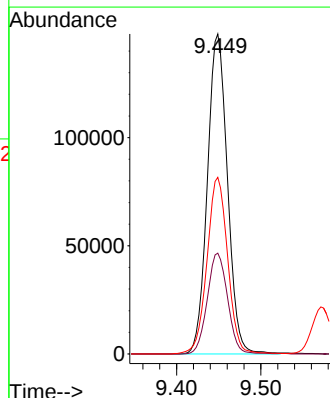
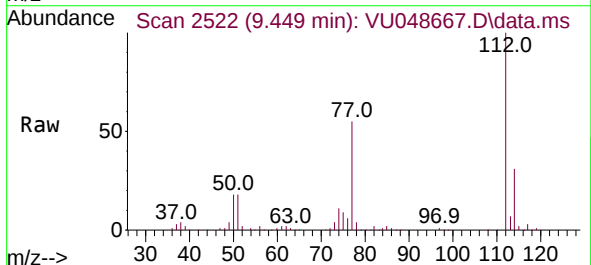
Tgt Ion:112 Resp: 245103

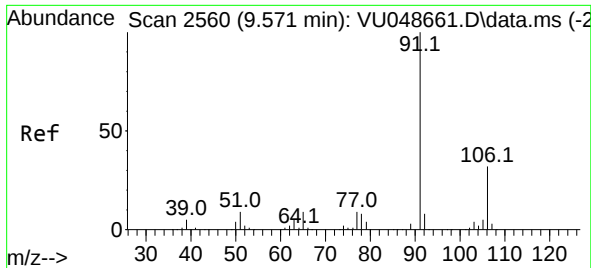
Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.5

77 55.2 46.5 69.7

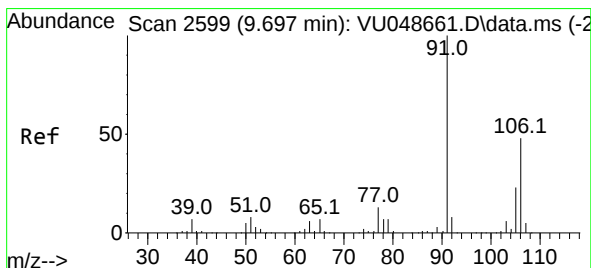
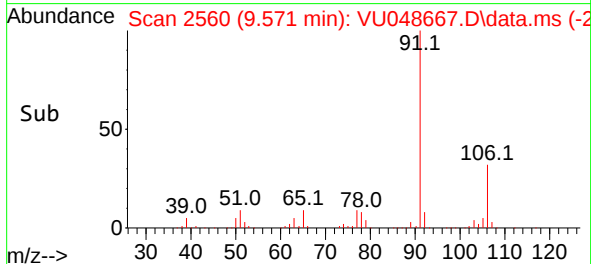
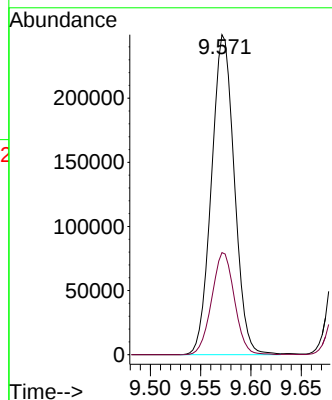
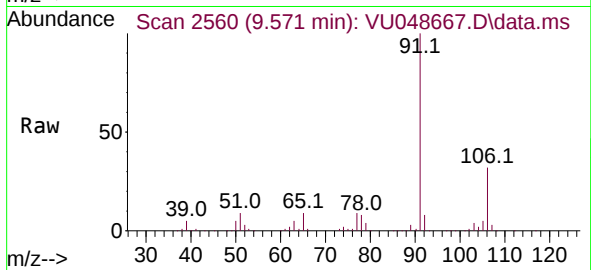




#52
Ethylbenzene
Concen: 51.982 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

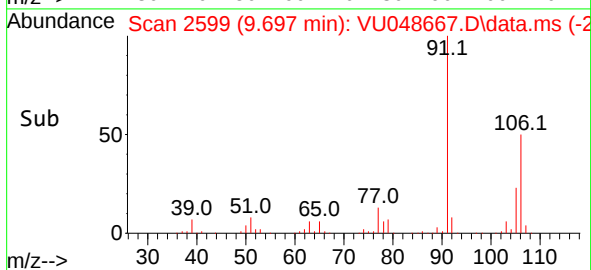
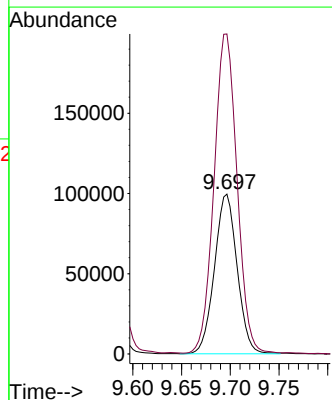
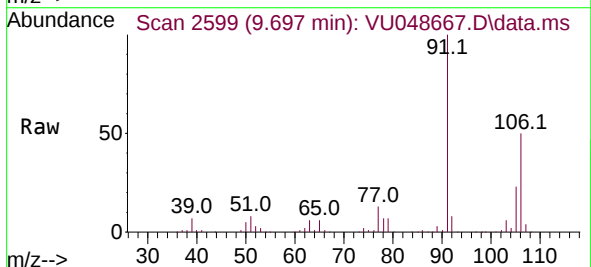
Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

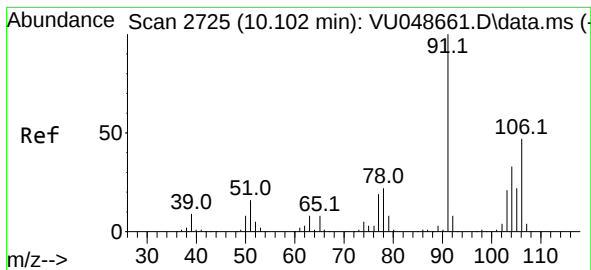
Tgt Ion: 91 Resp: 394865
Ion Ratio Lower Upper
91 100
106 31.9 21.8 40.6



#53
m,p-Xylene
Concen: 52.727 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion: 106 Resp: 160959
Ion Ratio Lower Upper
106 100
91 200.1 141.8 263.4





#54

o-Xylene

Concen: 53.096 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

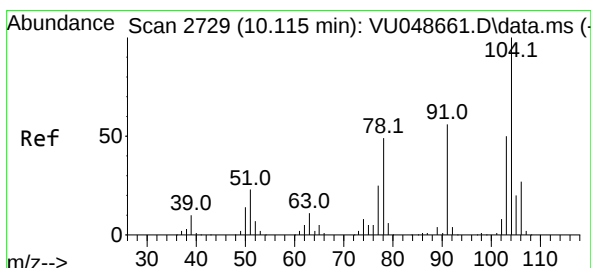
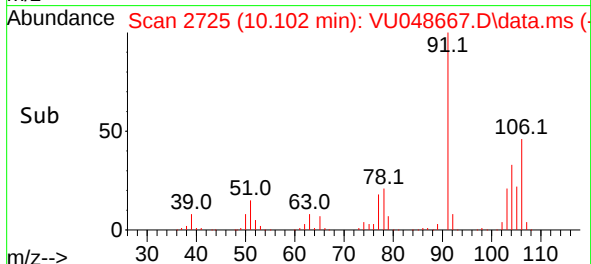
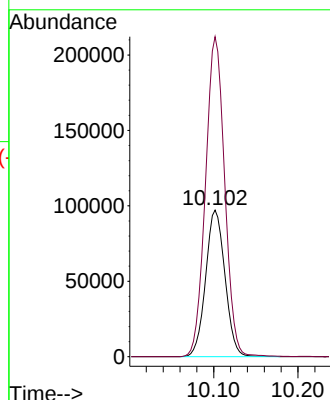
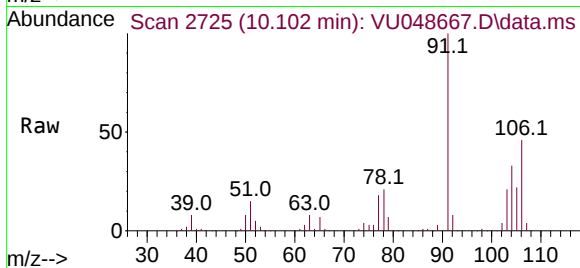
VSTD050141

Tgt Ion:106 Resp: 155279

Ion Ratio Lower Upper

106 100

91 218.4 150.1 278.9



#55

Styrene

Concen: 53.775 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU048667.D

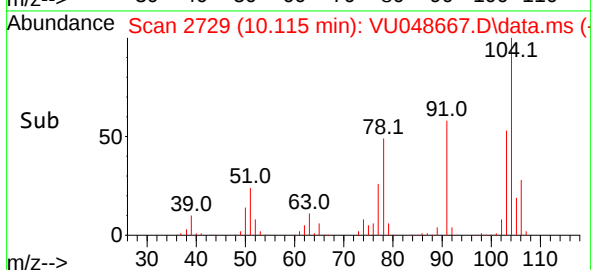
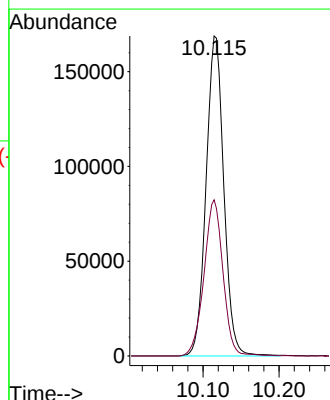
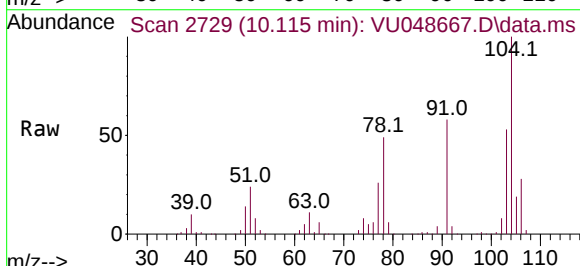
Acq: 25 May 2022 16:36

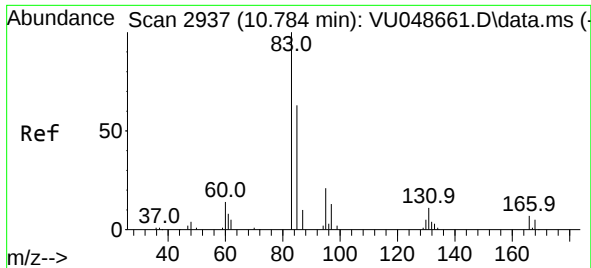
Tgt Ion:104 Resp: 273434

Ion Ratio Lower Upper

104 100

78 48.8 32.7 60.7

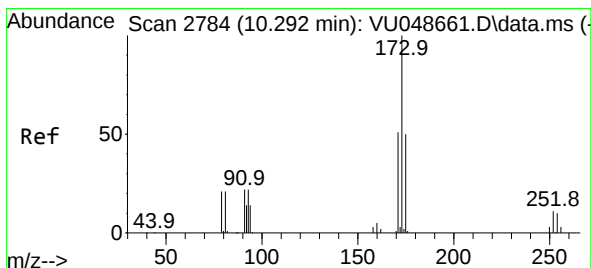
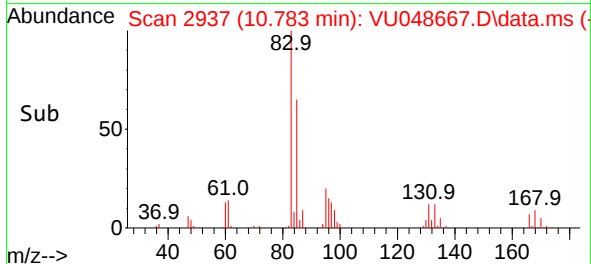
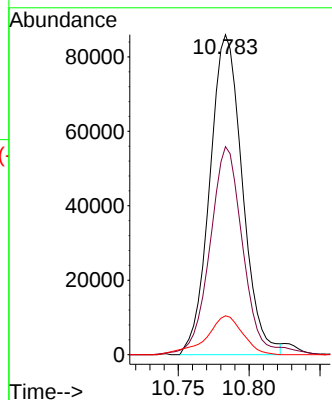
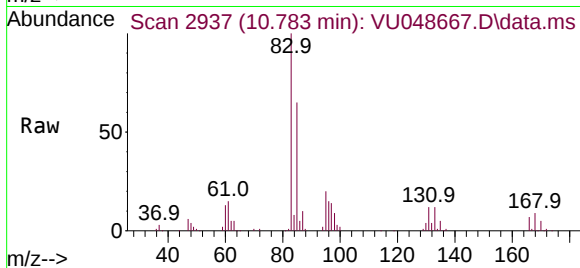




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.757 ug/L
 RT: 10.783 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VU048667.D
 Acq: 25 May 2022 16:36

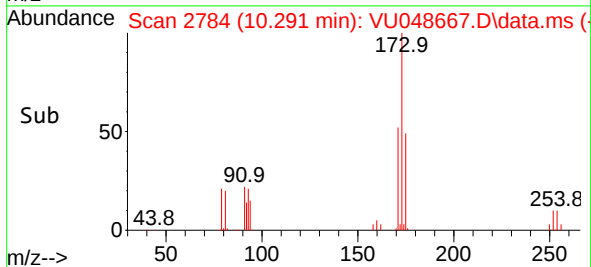
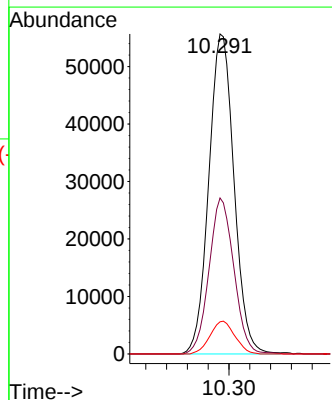
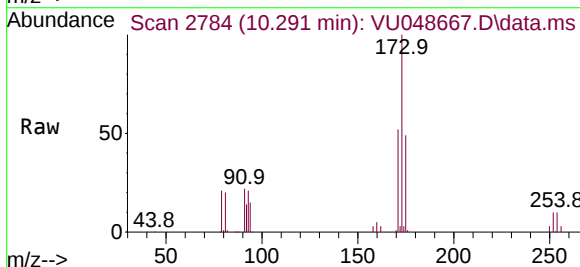
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050141

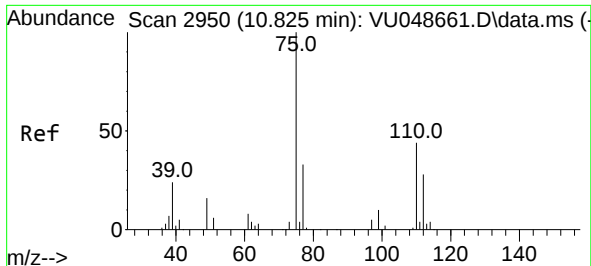
Tgt Ion: 83 Resp: 137605
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.1 81.9
 131 12.1 8.9 13.3



#59
 Bromoform
 Concen: 43.949 ug/L
 RT: 10.291 min Scan# 2784
 Delta R.T. -0.000 min
 Lab File: VU048667.D
 Acq: 25 May 2022 16:36

Tgt Ion:173 Resp: 93677
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.2 57.4
 254 10.1 7.7 11.5

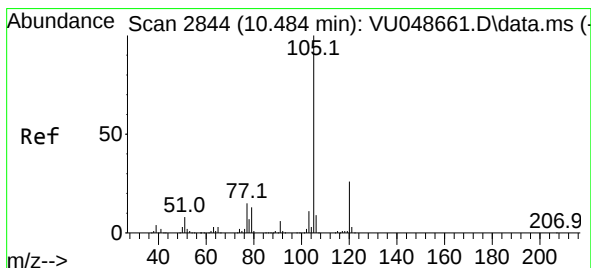
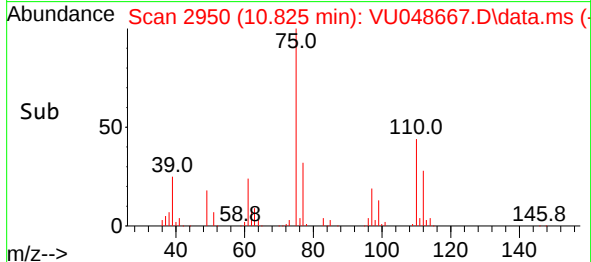
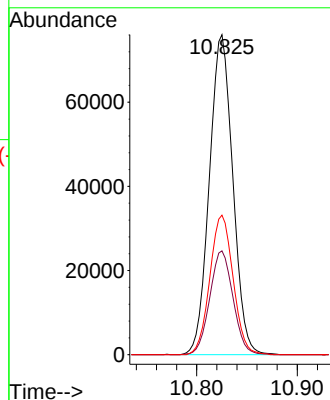
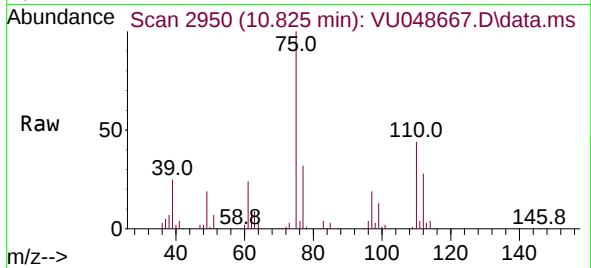




#60
1,2,3-Trichloropropane
Concen: 40.051 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

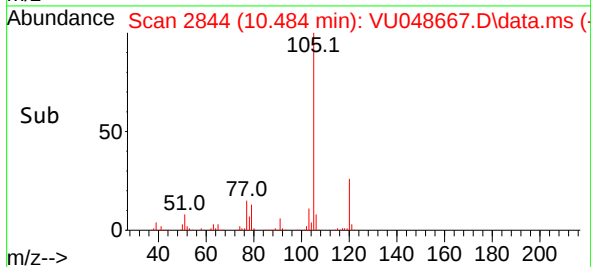
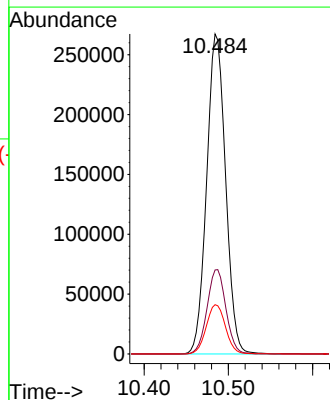
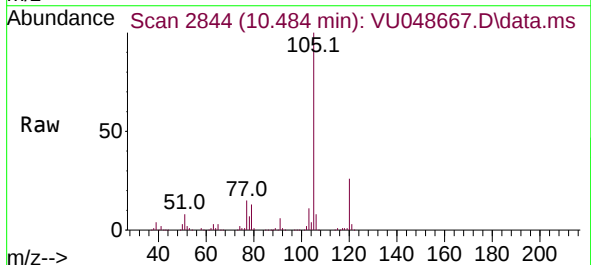
Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

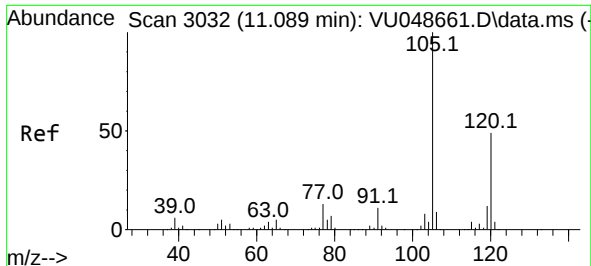
Tgt Ion: 75 Resp: 123170
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0
110 43.3 32.1 48.1



#61
Isopropylbenzene
Concen: 43.766 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion: 105 Resp: 417952
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 15.6 12.5 18.7

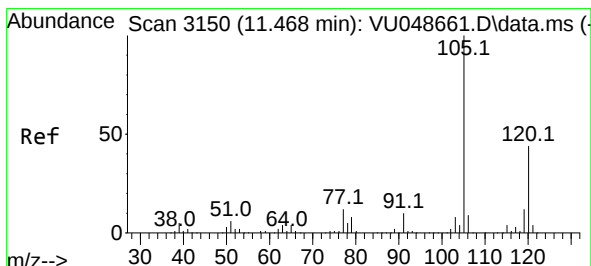
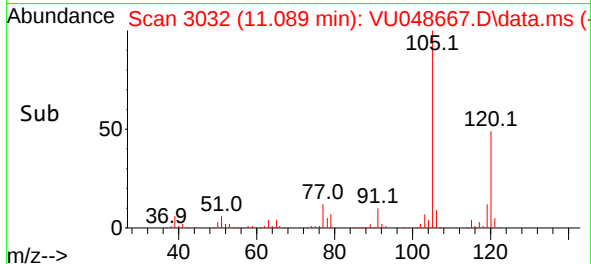
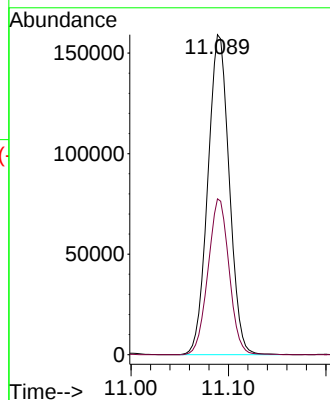
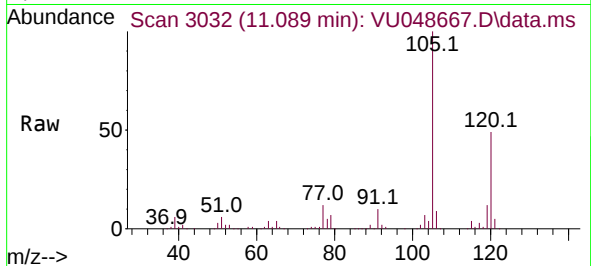




#62
 1,3,5-Trimethylbenzene
 Concen: 44.690 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU048667.D
 Acq: 25 May 2022 16:36

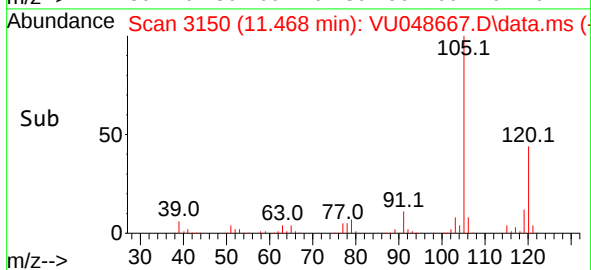
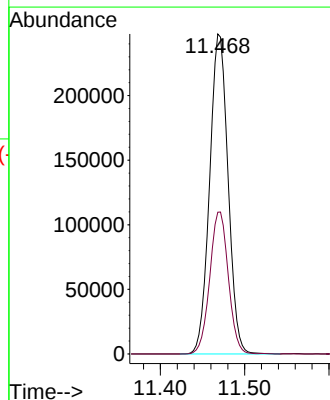
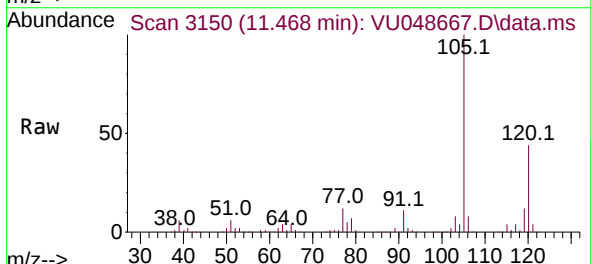
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050141

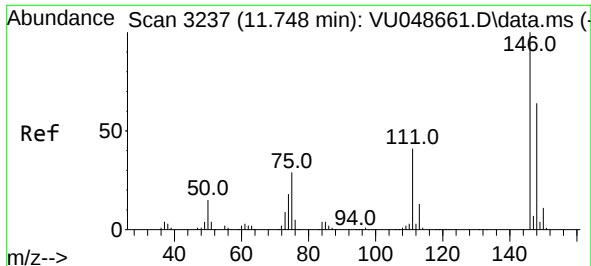
Tgt Ion:105 Resp: 242629
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.5 57.7



#63
 1,2,4-Trimethylbenzene
 Concen: 44.559 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU048667.D
 Acq: 25 May 2022 16:36

Tgt Ion:105 Resp: 376181
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.4 53.2

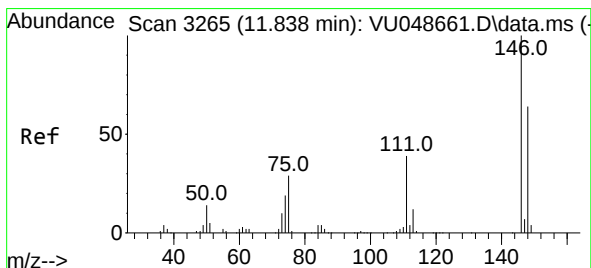
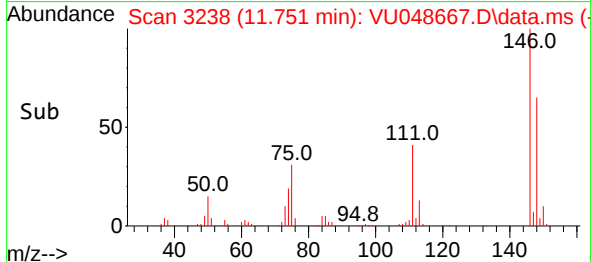
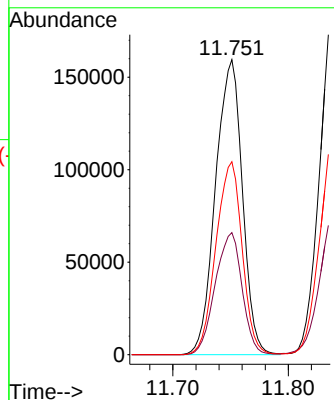
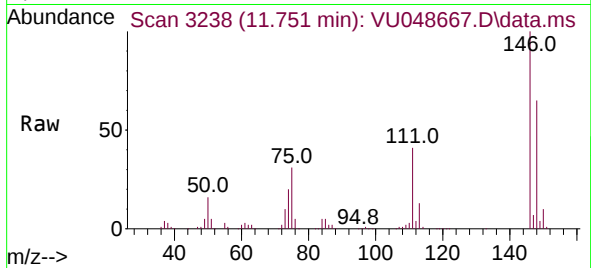




#64
1,3-Dichlorobenzene
Concen: 52.288 ug/L
RT: 11.751 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

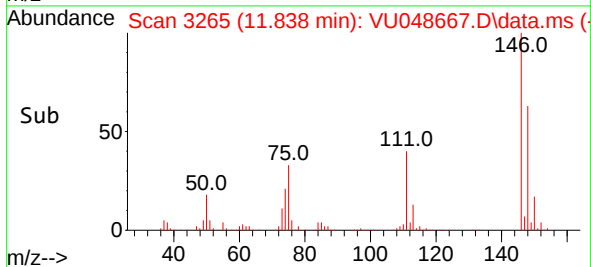
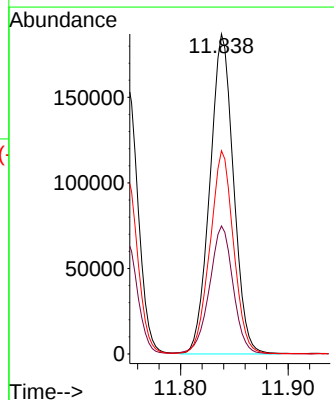
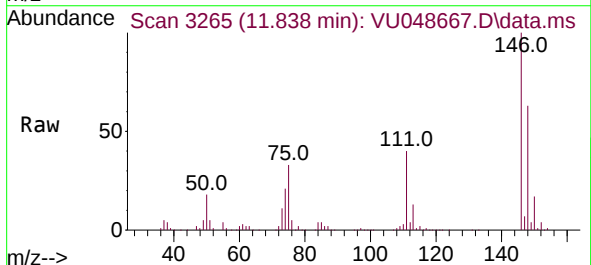
Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

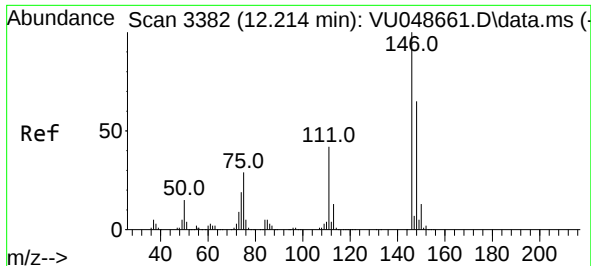
Tgt Ion:146 Resp: 257506
Ion Ratio Lower Upper
146 100
111 41.4 28.7 53.3
148 65.4 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 55.976 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion:146 Resp: 286060
Ion Ratio Lower Upper
146 100
111 40.0 27.6 51.2
148 63.5 44.2 82.2

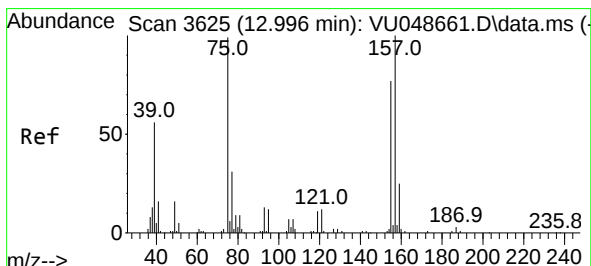
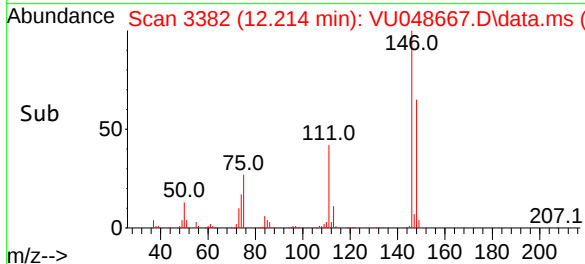
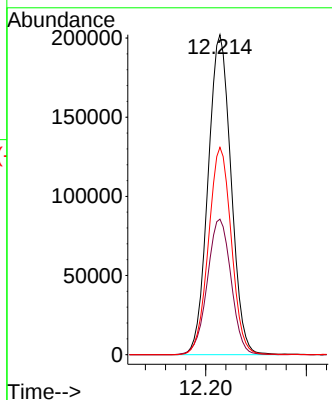
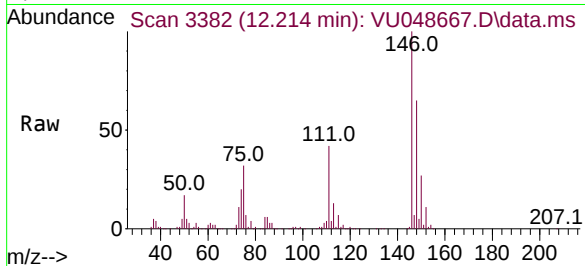




#67
 1,2-Dichlorobenzene
 Concen: 63.990 ug/L
 RT: 12.214 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU048667.D
 Acq: 25 May 2022 16:36

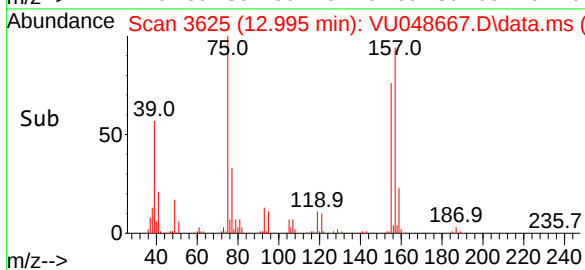
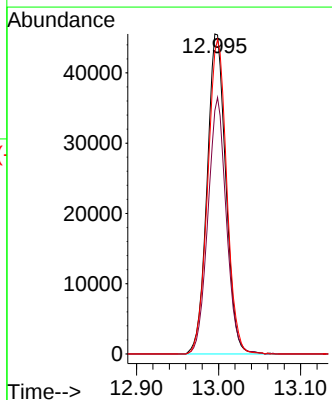
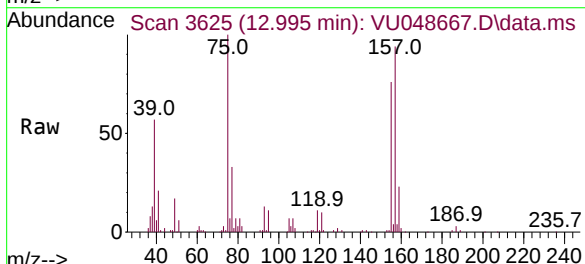
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050141

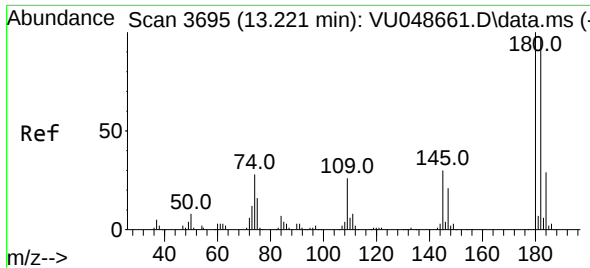
Tgt Ion:146 Resp: 320530
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.1 51.1
 148 64.8 50.9 76.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 60.897 ug/L
 RT: 12.995 min Scan# 3625
 Delta R.T. -0.000 min
 Lab File: VU048667.D
 Acq: 25 May 2022 16:36

Tgt Ion: 75 Resp: 72407
 Ion Ratio Lower Upper
 75 100
 155 76.0 63.5 95.3
 157 94.4 83.5 125.3



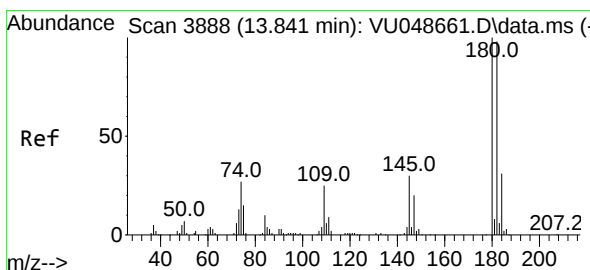
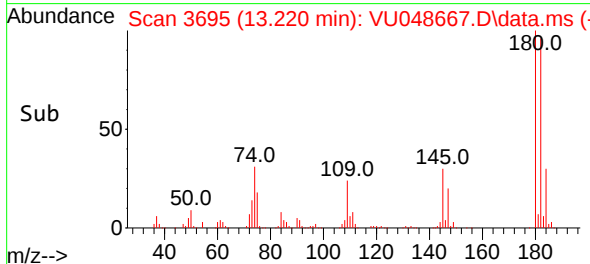
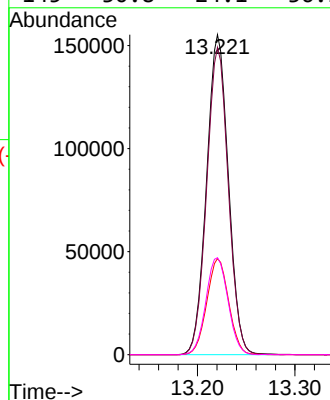
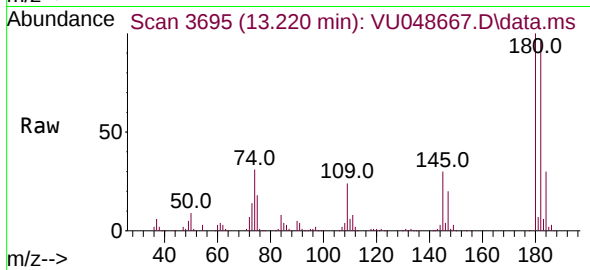


#69
1,3,5-Trichlorobenzene
Concen: 61.361 ug/L
RT: 13.220 min Scan# 3695
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050141

Tgt Ion:180 Resp: 240855

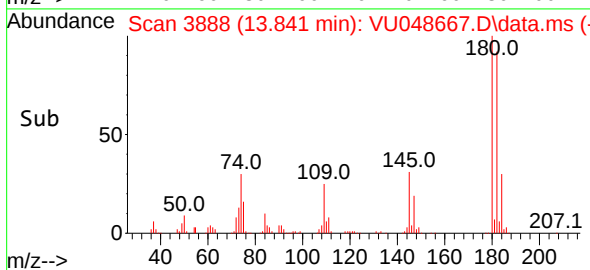
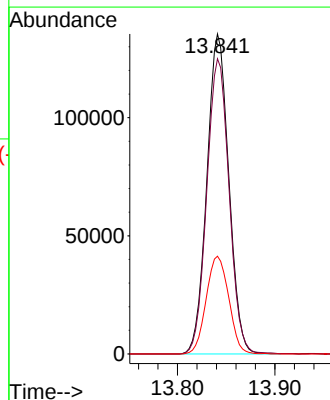
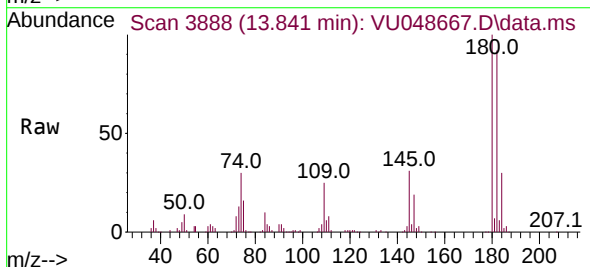
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.6
184	30.1	23.4	35.2
145	30.8	24.1	36.1

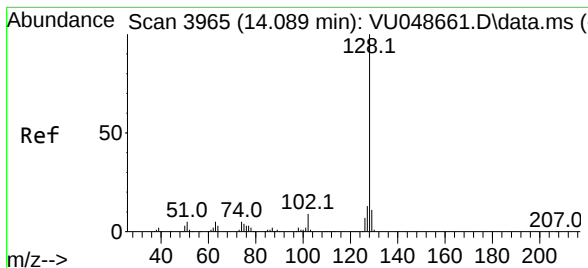


#70
1,2,4-trichlorobenzene
Concen: 59.685 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU048667.D
Acq: 25 May 2022 16:36

Tgt Ion:180 Resp: 211891

Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.8	113.8
145	31.4	24.9	37.3





#71

Naphthalene

Concen: 56.595 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050141

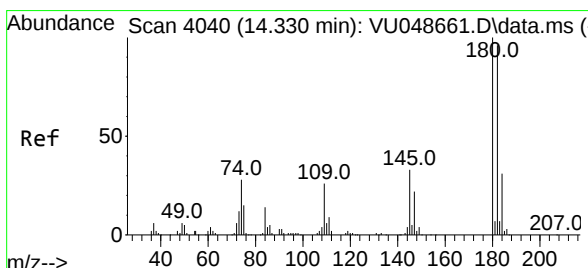
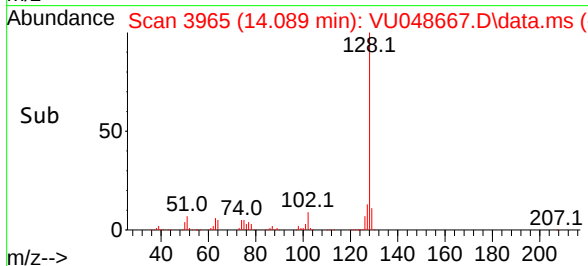
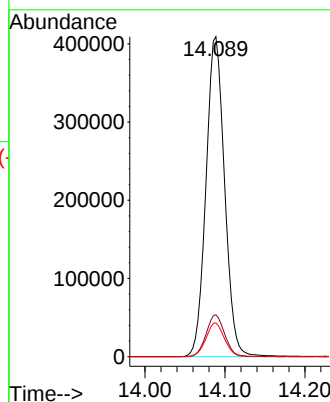
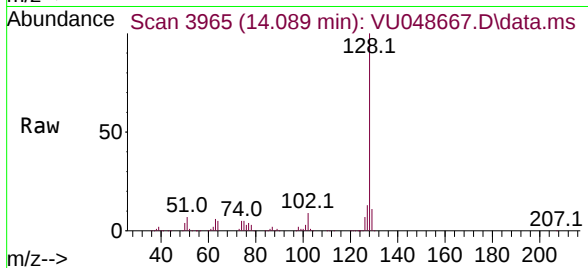
Tgt Ion:128 Resp: 662514

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.5 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 61.217 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.000 min

Lab File: VU048667.D

Acq: 25 May 2022 16:36

Tgt Ion:180 Resp: 218202

Ion Ratio Lower Upper

180 100

182 94.9 75.6 113.4

145 32.4 27.1 40.7

