

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083122\
 Data File : VU050547.D
 Acq On : 31 Aug 2022 13:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050184

Quant Time: Sep 01 05:13:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM083022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 31 01:47:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	338822	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	312190	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	147204	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	117261	45.124	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.240%
7) Chloroethane-d5	1.893	69	102538	50.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.220%
11) 1,1-Dichloroethene-d2	2.559	63	215984	49.227	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.460%
21) 2-Butanone-d5	4.626	46	213522	93.951	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.950%
24) Chloroform-d	5.060	84	260849	51.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.180%
26) 1,2-Dichloroethane-d4	5.700	65	165160	50.285	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.580%
32) Benzene-d6	5.723	84	512158	52.930	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.860%
36) 1,2-Dichloropropane-d6	6.691	67	170225	52.836	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.680%
41) Toluene-d8	7.896	98	457636	54.365	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.720%
43) trans-1,3-Dichloroprop...	8.179	79	66887	51.621	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.240%
47) 2-Hexanone-d5	8.636	63	103842	89.018	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.020%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	266361	53.004	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	154672	48.531	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	112913	52.934	ug/L	100
3) Chloromethane	1.514	50	170188	48.158	ug/L	97
5) Vinyl chloride	1.601	62	159634	48.921	ug/L	98
6) Bromomethane	1.842	94	66712	44.636	ug/L	99
8) Chloroethane	1.916	64	101238	49.298	ug/L	100
9) Trichlorofluoromethane	2.125	101	197140	52.522	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	120056	53.732	ug/L	99
12) 1,1-Dichloroethene	2.572	96	116357	49.836	ug/L	97
13) Acetone	2.630	43	165222	93.583	ug/L	99
14) Carbon disulfide	2.784	76	258558	45.066	ug/L	99
15) Methyl Acetate	2.948	43	177142	48.889	ug/L	100
16) Methylene chloride	3.038	84	164258	43.274	ug/L	99
17) trans-1,2-Dichloroethene	3.347	96	126294	49.944	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	420845	49.101	ug/L	99
19) 1,1-Dichloroethane	3.864	63	259167	50.310	ug/L	100
20) cis-1,2-Dichloroethene	4.662	96	149997	49.837	ug/L	98
22) 2-Butanone	4.707	43	258682	94.727	ug/L	98
23) Bromochloromethane	4.970	128	81877	50.824	ug/L	98
25) Chloroform	5.083	83	272917	51.317	ug/L	98

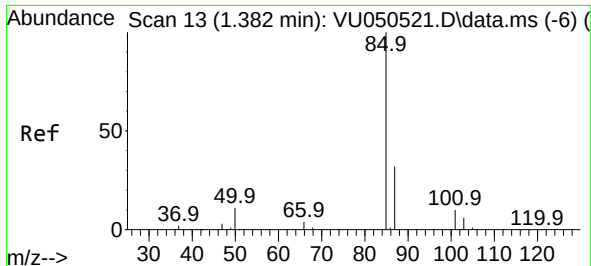
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	218549	51.805	ug/L	100
29) Cyclohexane	5.385	56	191388	54.858	ug/L	100
30) 1,1,1-Trichloroethane	5.311	97	200307	52.957	ug/L	100
31) Carbon tetrachloride	5.520	117	157316	54.473	ug/L	96
33) Benzene	5.771	78	609210	53.716	ug/L	100
34) Trichloroethene	6.539	95	132881	51.060	ug/L	99
35) Methylcyclohexane	6.761	83	199006	56.873	ug/L	99
37) 1,2-Dichloropropane	6.790	63	169125	54.467	ug/L	99
38) Bromodichloromethane	7.105	83	186930	53.207	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	215864	52.763	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	468702	104.279	ug/L	100
42) Toluene	7.967	91	621071	55.198	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	197946	53.112	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	161592	53.615	ug/L	99
46) Tetrachloroethene	8.552	164	97778	53.710	ug/L	97
48) 2-Hexanone	8.687	43	403664	105.057	ug/L	99
49) Dibromochloromethane	8.809	129	141821	54.198	ug/L	100
50) 1,2-Dibromoethane	8.922	107	165817	53.297	ug/L	98
51) Chlorobenzene	9.446	112	314050	44.850	ug/L	99
52) Ethylbenzene	9.571	91	544670	50.012	ug/L	100
53) m,p-Xylene	9.694	106	210939	51.409	ug/L	98
54) o-Xylene	10.102	106	204066	48.890	ug/L	96
55) Styrene	10.115	104	354915	51.240	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.784	83	288306	53.614	ug/L	100
59) Bromoform	10.292	173	91237	46.291	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	221226	50.065	ug/L	99
61) Isopropylbenzene	10.485	105	532412	50.724	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	443652	51.416	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	437402	52.189	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	248300	49.577	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	242494	47.748	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	266750	49.130	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	50688	48.070	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	164227	47.918	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	131102	43.007	ug/L	100
71) Naphthalene	14.086	128	464910	37.171	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	155765	44.214	ug/L	100

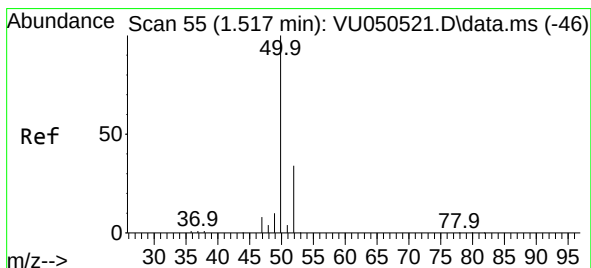
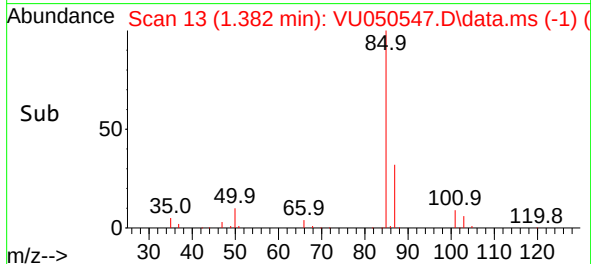
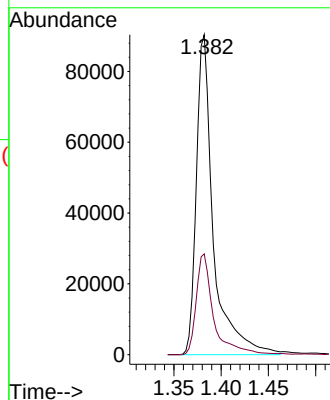
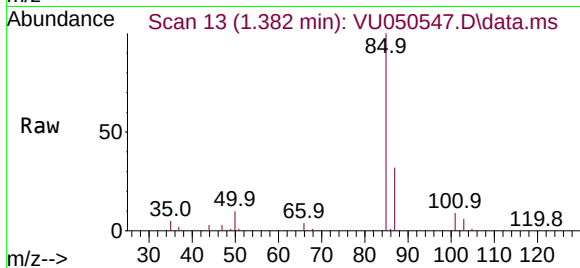
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 52.934 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

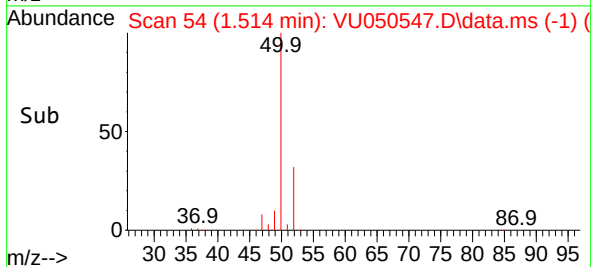
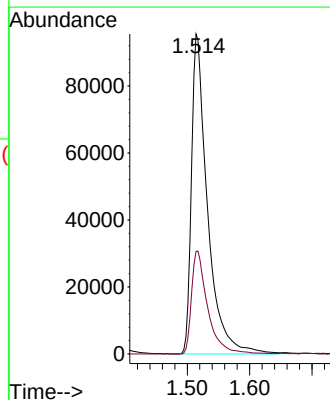
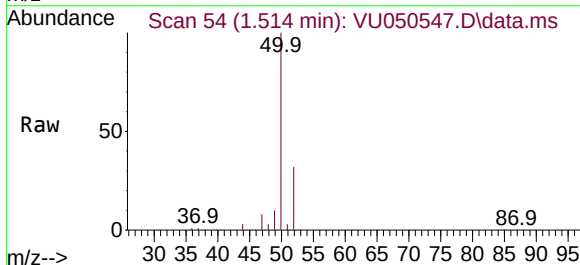
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

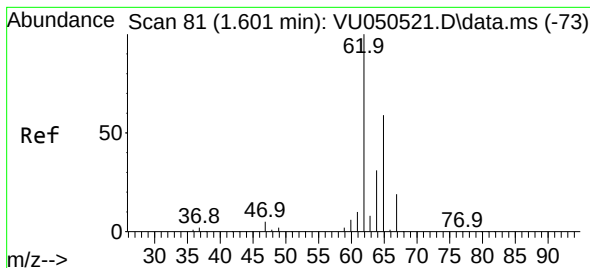
Tgt Ion: 85 Resp: 112913
Ion Ratio Lower Upper
85 100
87 32.1 25.5 38.3



#3
Chloromethane
Concen: 48.158 ug/L
RT: 1.514 min Scan# 54
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion: 50 Resp: 170188
Ion Ratio Lower Upper
50 100
52 32.1 23.6 43.8





#5

Vinyl chloride

Concen: 48.921 ug/L

RT: 1.601 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

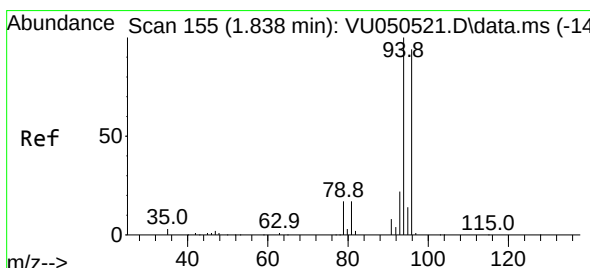
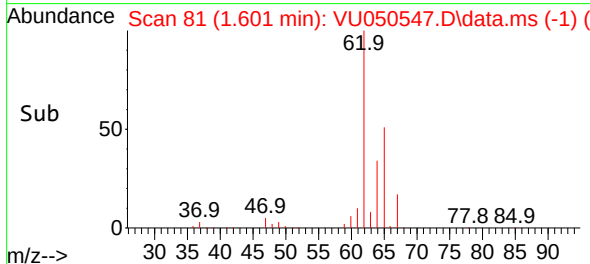
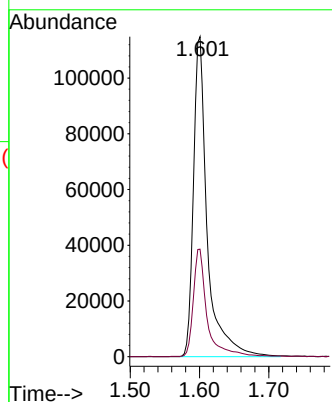
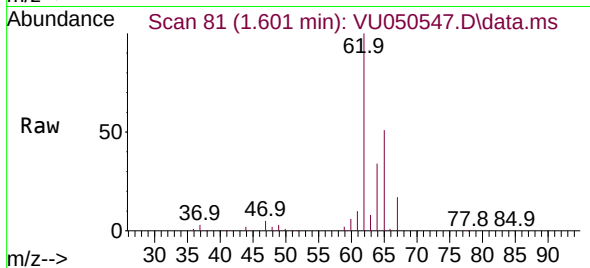
VSTD050184

Tgt Ion: 62 Resp: 159634

Ion Ratio Lower Upper

62 100

64 33.6 22.9 42.5



#6

Bromomethane

Concen: 44.636 ug/L

RT: 1.842 min Scan# 156

Delta R.T. 0.003 min

Lab File: VU050547.D

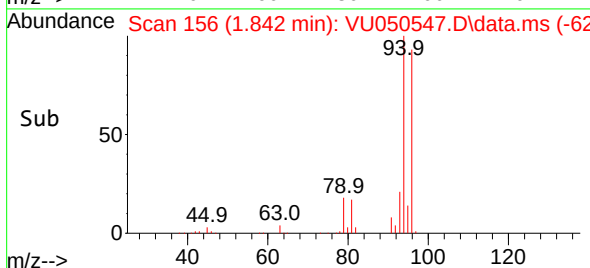
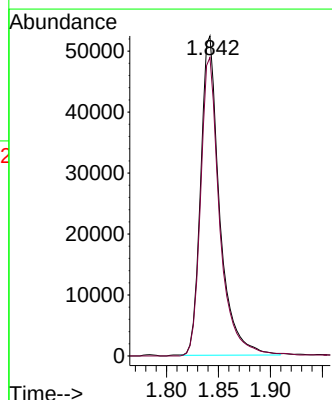
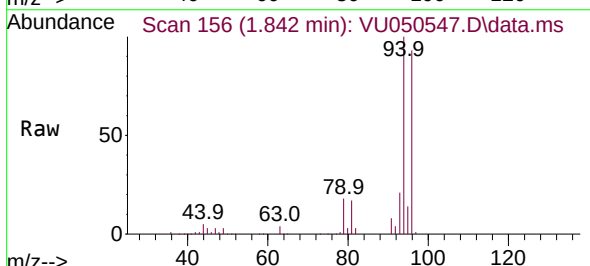
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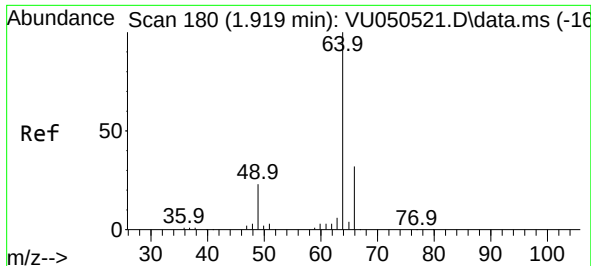
Tgt Ion: 94 Resp: 66712

Ion Ratio Lower Upper

94 100

96 93.3 65.9 122.3

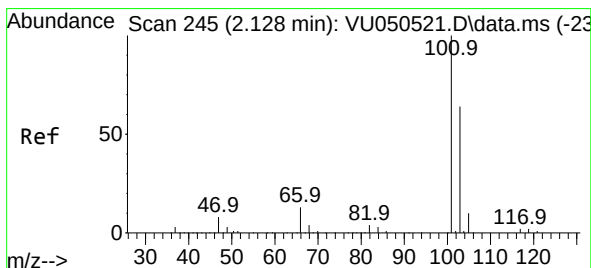
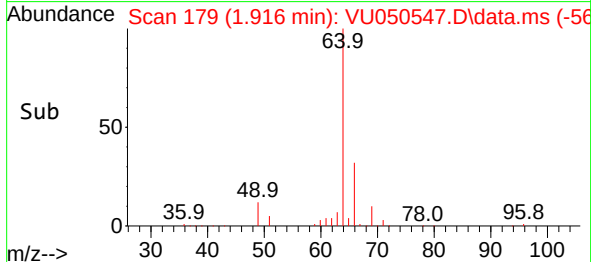
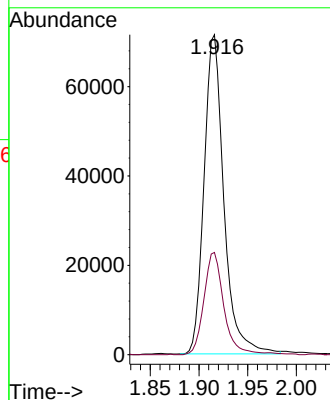
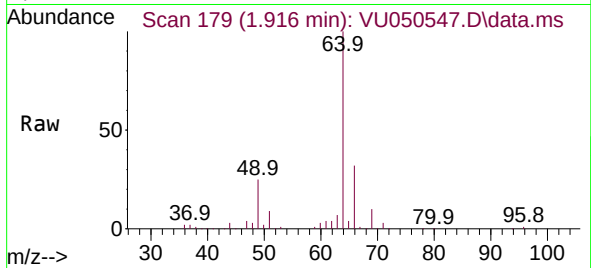




#8
Chloroethane
Concen: 49.298 ug/L
RT: 1.916 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

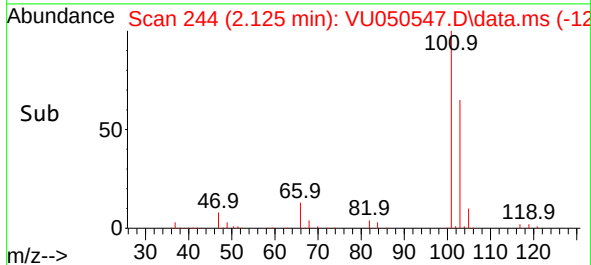
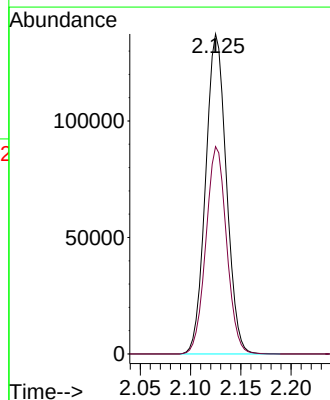
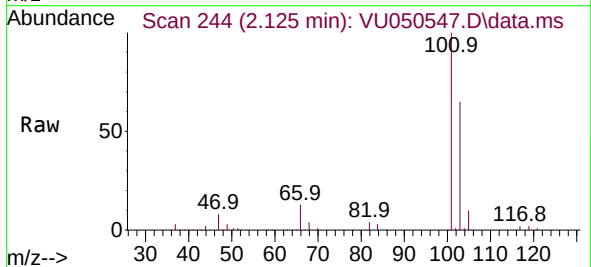
Instrument :
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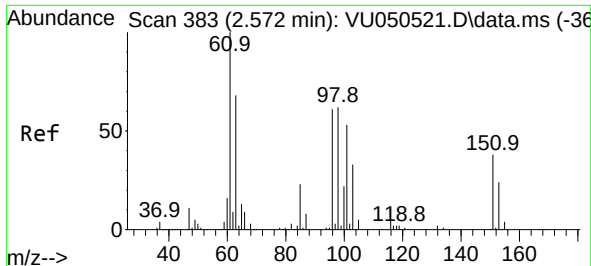
Tgt Ion: 64 Resp: 101238
Ion Ratio Lower Upper
64 100
66 32.0 22.2 41.2



#9
Trichlorofluoromethane
Concen: 52.522 ug/L
RT: 2.125 min Scan# 244
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion:101 Resp: 197140
Ion Ratio Lower Upper
101 100
103 64.6 52.0 78.0

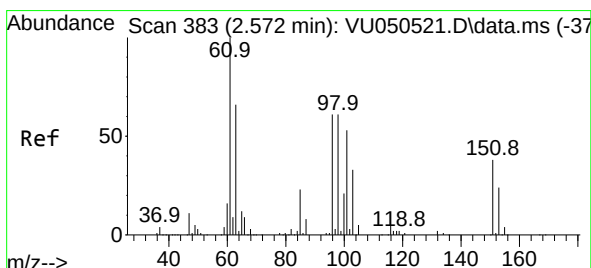
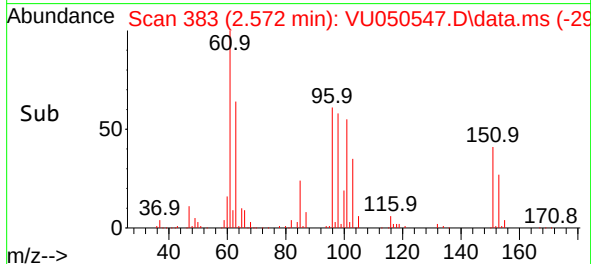
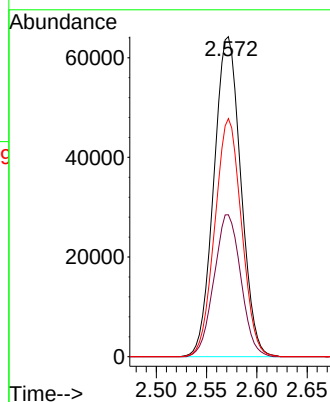
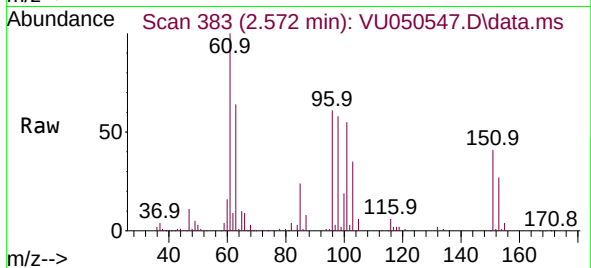




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.732 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. 0.000 min
 Lab File: VU050547.D
 Acq: 31 Aug 2022 13:55

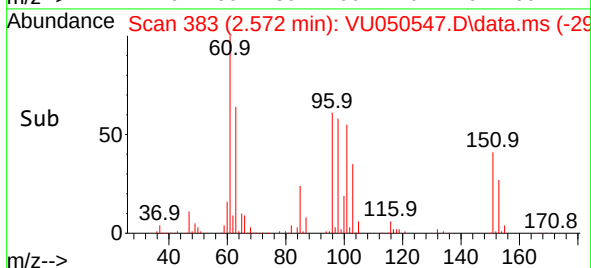
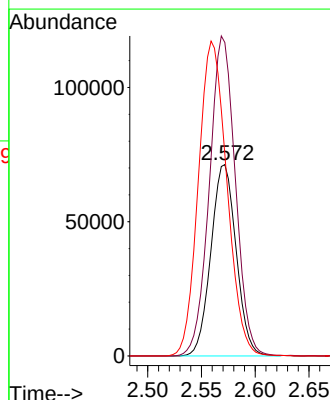
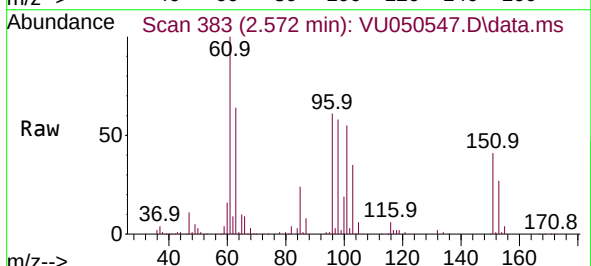
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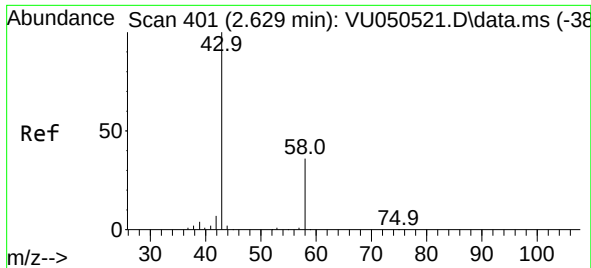
Tgt Ion:101 Resp: 120056
 Ion Ratio Lower Upper
 101 100
 85 44.1 34.6 52.0
 151 73.7 58.2 87.2



#12
 1,1-Dichloroethene
 Concen: 49.836 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. 0.000 min
 Lab File: VU050547.D
 Acq: 31 Aug 2022 13:55

Tgt Ion: 96 Resp: 116357
 Ion Ratio Lower Upper
 96 100
 61 163.8 113.5 210.9
 63 105.4 78.0 144.9





#13

Acetone

Concen: 93.583 ug/L

RT: 2.630 min Scan# 401

Delta R.T. 0.000 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

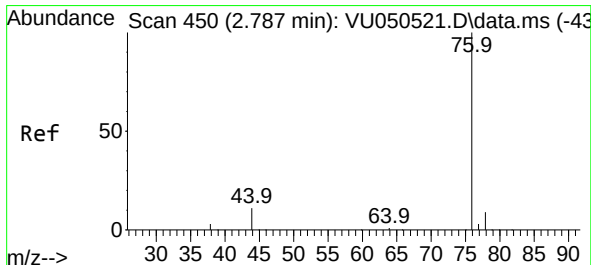
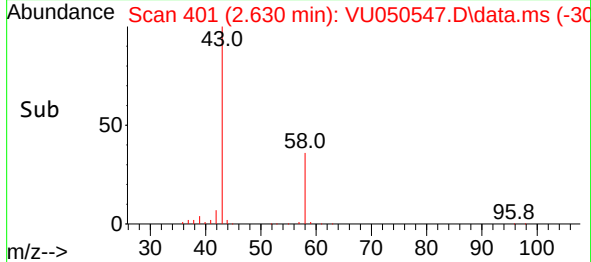
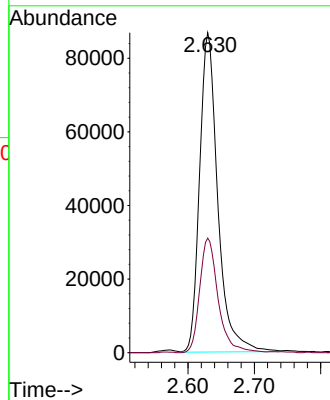
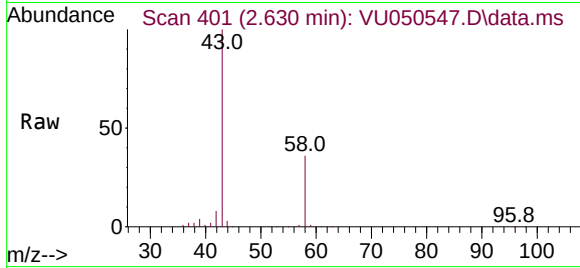
VSTD050184

Tgt Ion: 43 Resp: 165222

Ion Ratio Lower Upper

43 100

58 36.4 0.0 71.6



#14

Carbon disulfide

Concen: 45.066 ug/L

RT: 2.784 min Scan# 449

Delta R.T. -0.003 min

Lab File: VU050547.D

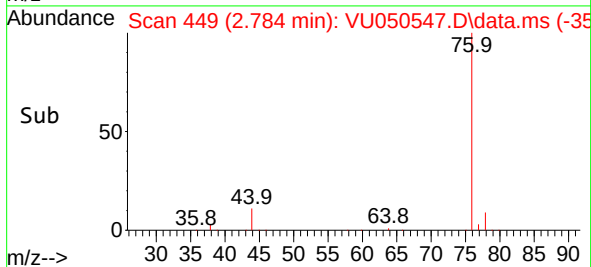
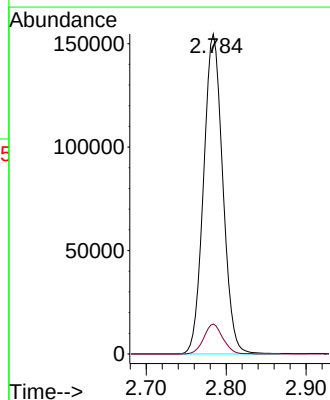
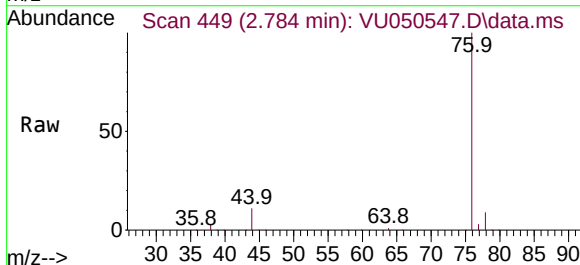
Acq: 31 Aug 2022 13:55

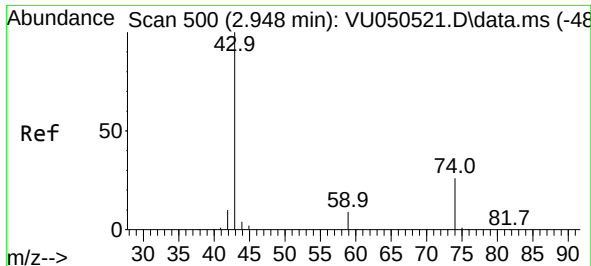
Tgt Ion: 76 Resp: 258558

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

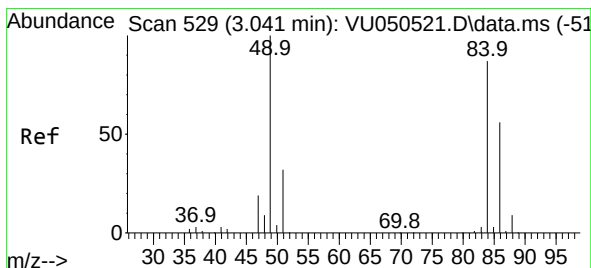
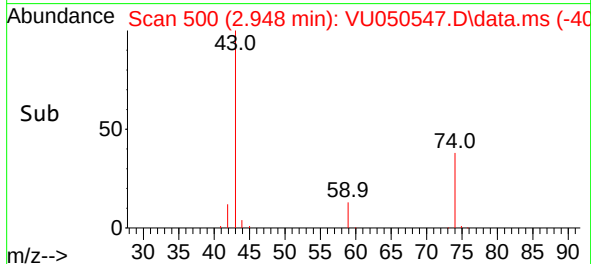
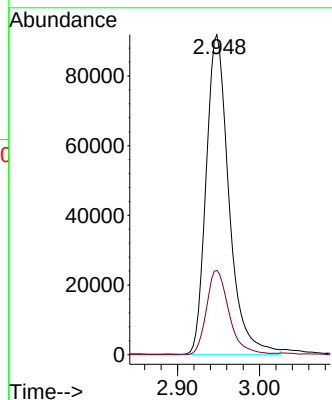
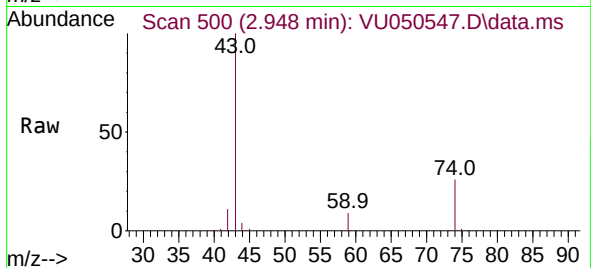




#15
Methyl Acetate
Concen: 48.889 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

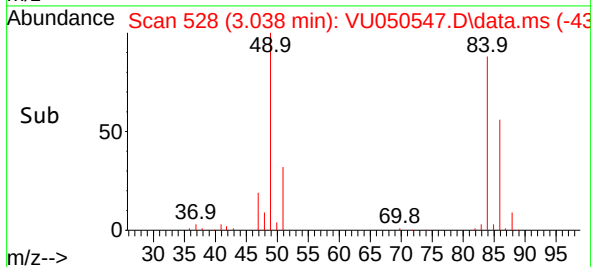
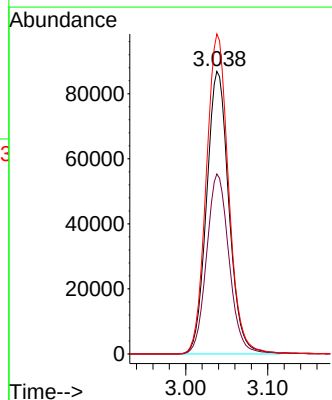
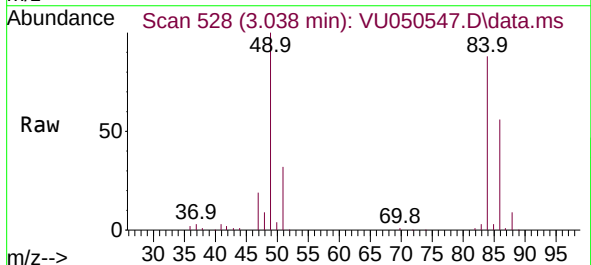
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

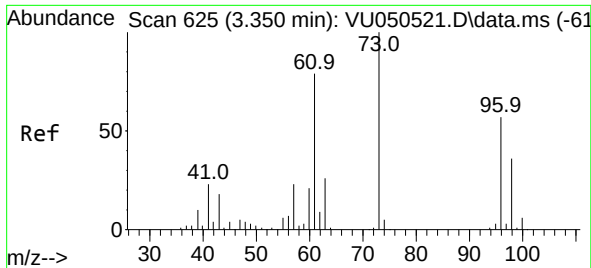
Tgt Ion: 43 Resp: 177142
Ion Ratio Lower Upper
43 100
74 26.1 21.0 31.6



#16
Methylene chloride
Concen: 43.274 ug/L
RT: 3.038 min Scan# 528
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion: 84 Resp: 164258
Ion Ratio Lower Upper
84 100
86 63.7 44.3 82.3
49 113.2 78.8 146.3

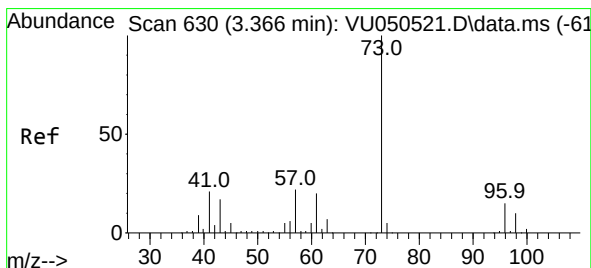
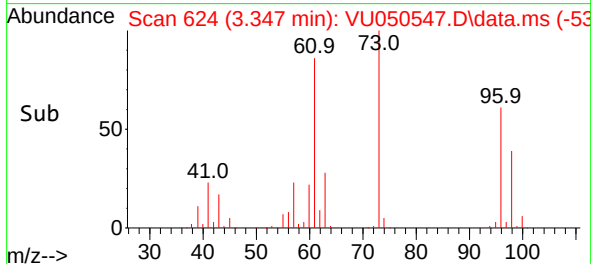
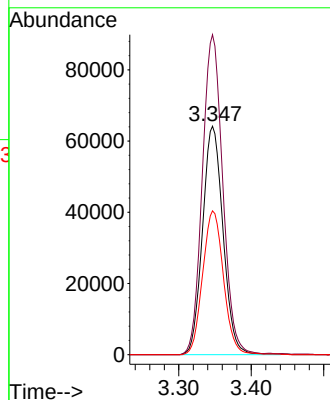
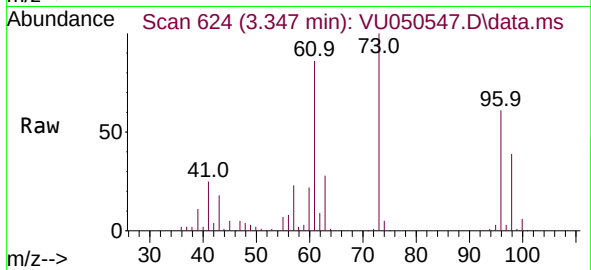




#17
trans-1,2-Dichloroethene
Concen: 49.944 ug/L
RT: 3.347 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

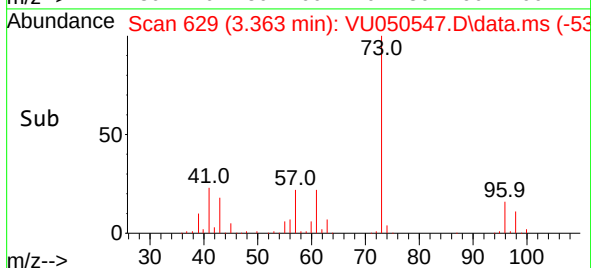
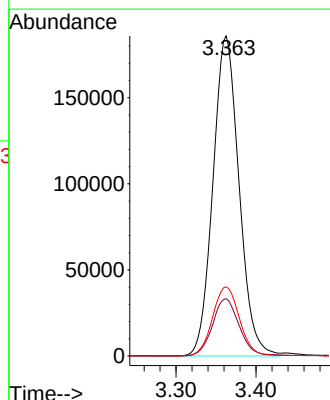
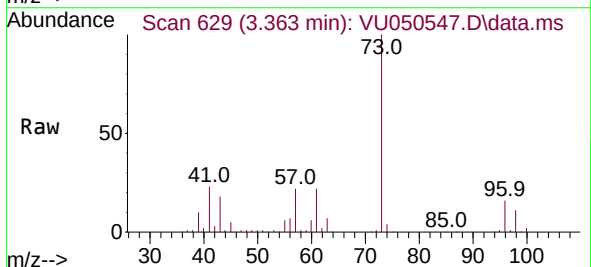
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

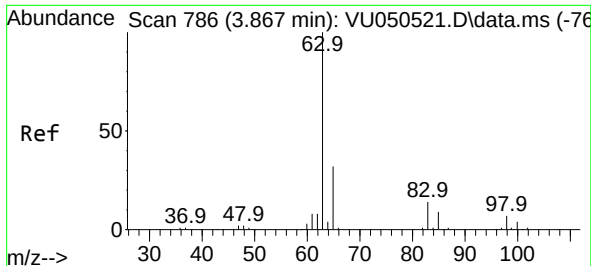
Tgt Ion: 96 Resp: 126294
Ion Ratio Lower Upper
96 100
61 140.1 99.7 185.1
98 63.0 46.2 85.8



#18
Methyl tert-butyl Ether
Concen: 49.101 ug/L
RT: 3.363 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion: 73 Resp: 420845
Ion Ratio Lower Upper
73 100
43 17.9 13.9 20.9
57 22.3 17.8 26.6





#19

1,1-Dichloroethane

Concen: 50.310 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050184

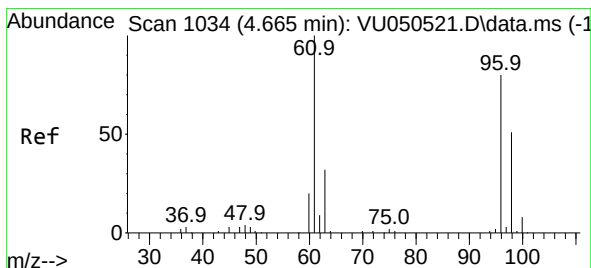
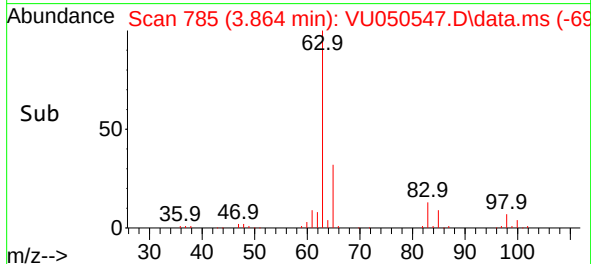
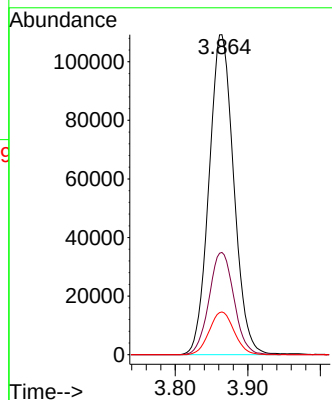
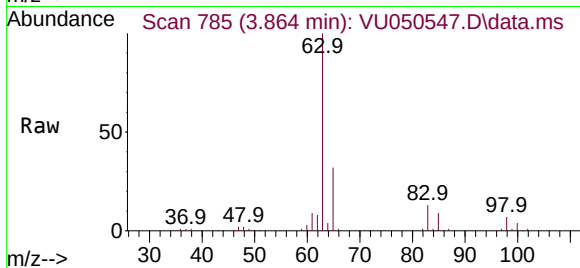
Tgt Ion: 63 Resp: 259167

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.9

83 13.3 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 49.837 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

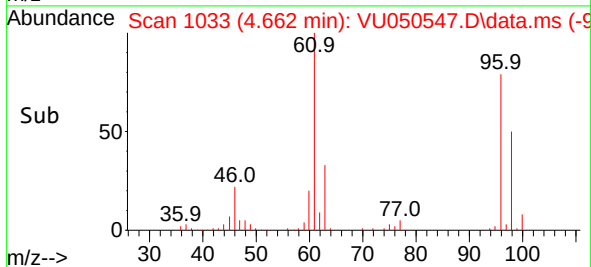
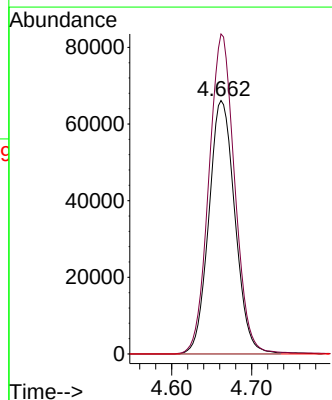
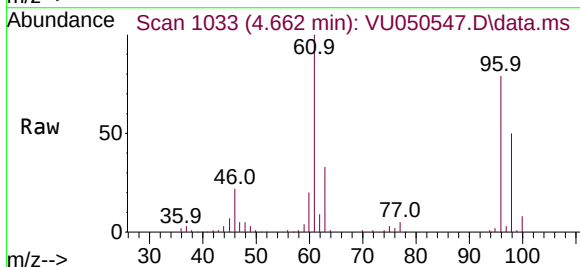
Tgt Ion: 96 Resp: 149997

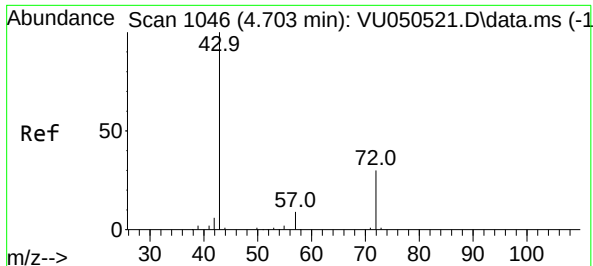
Ion Ratio Lower Upper

96 100

61 126.3 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.727 ug/L

RT: 4.707 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

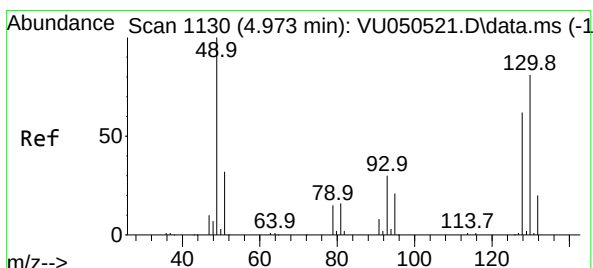
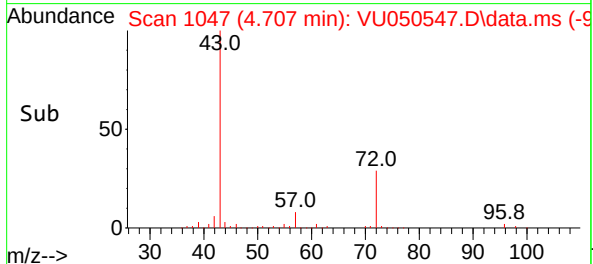
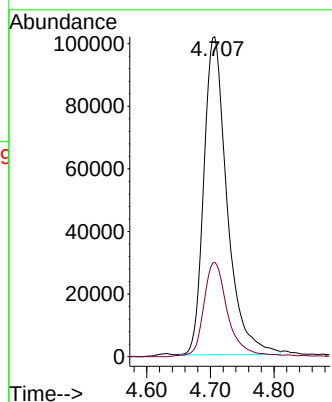
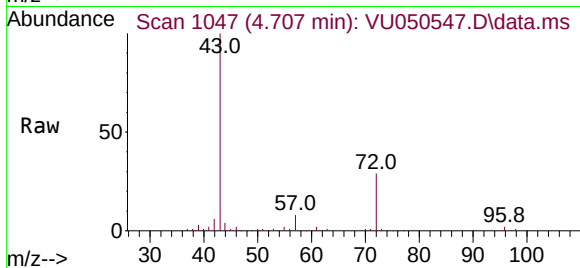
VSTD050184

Tgt Ion: 43 Resp: 258682

Ion Ratio Lower Upper

43 100

72 30.6 14.8 44.3



#23

Bromochloromethane

Concen: 50.824 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Tgt Ion:128 Resp: 81877

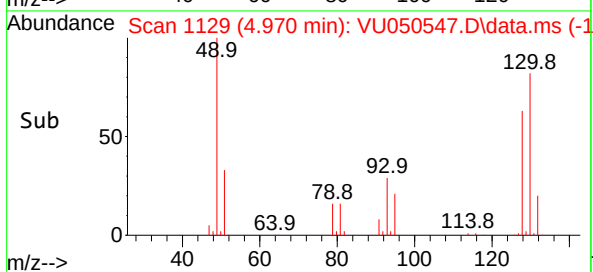
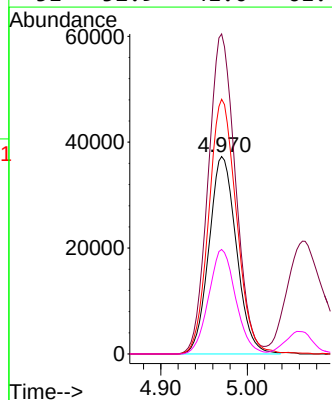
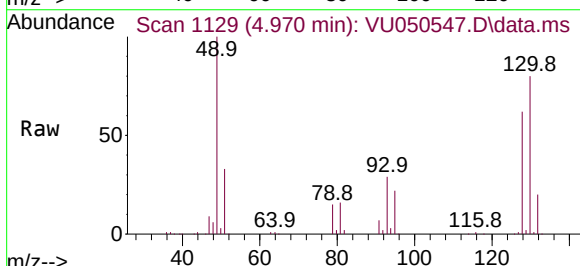
Ion Ratio Lower Upper

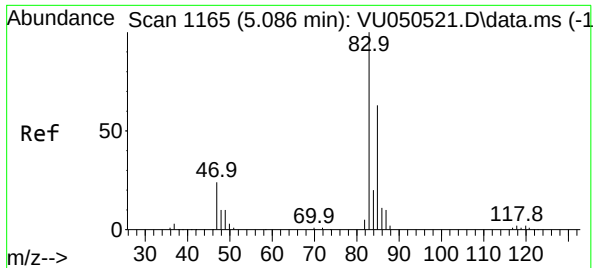
128 100

49 162.1 111.9 207.7

130 129.0 87.8 163.0

51 52.9 41.0 61.4





#25

Chloroform

Concen: 51.317 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

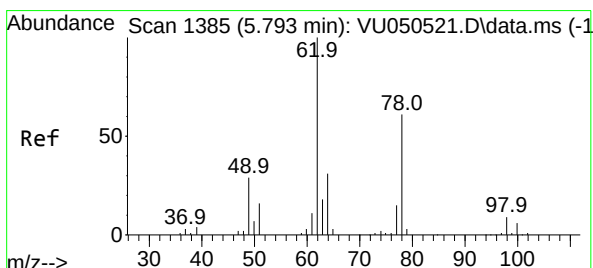
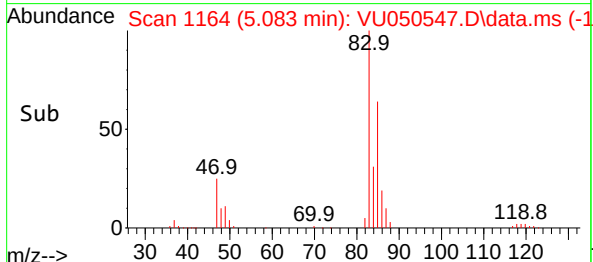
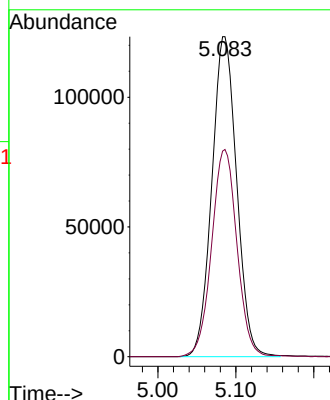
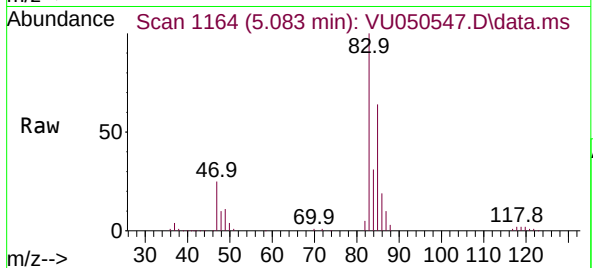
VSTD050184

Tgt Ion: 83 Resp: 272917

Ion Ratio Lower Upper

83 100

85 64.3 46.3 85.9



#27

1,2-Dichloroethane

Concen: 51.805 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU050547.D

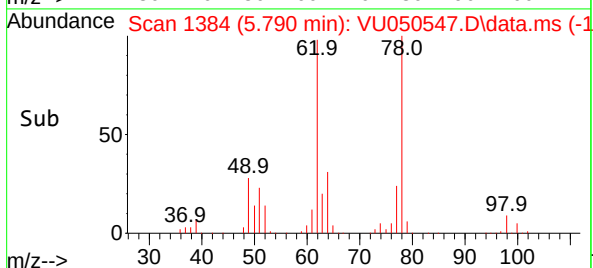
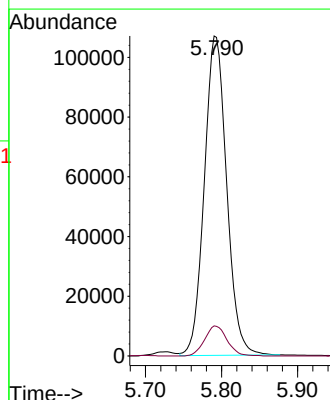
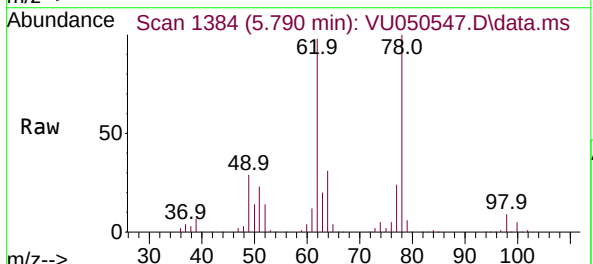
Acq: 31 Aug 2022 13:55

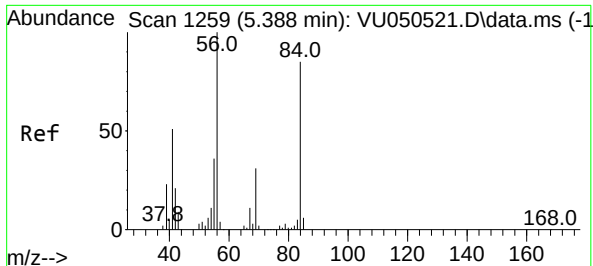
Tgt Ion: 62 Resp: 218549

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 54.858 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050184

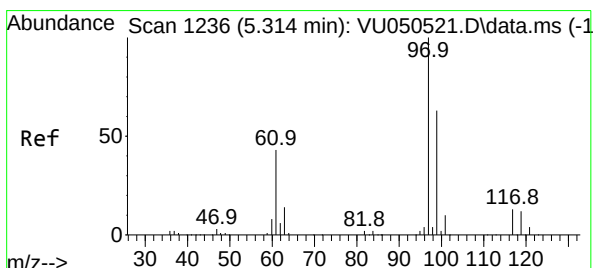
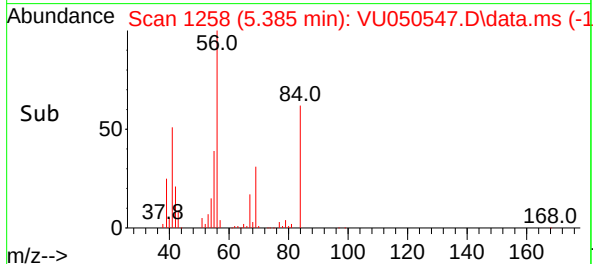
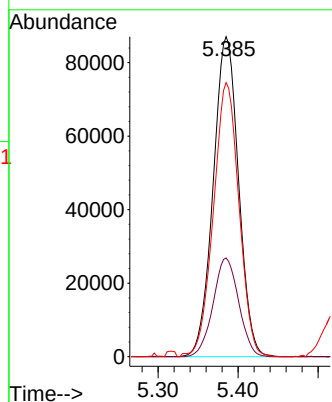
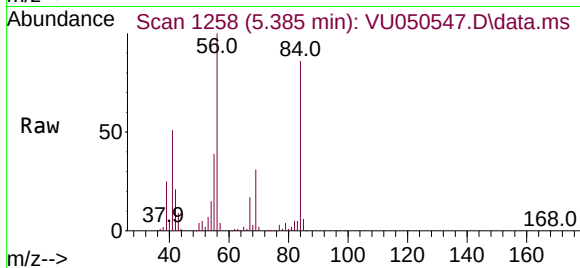
Tgt Ion: 56 Resp: 191388

Ion Ratio Lower Upper

56 100

69 31.2 24.8 37.2

84 86.0 68.9 103.3



#30

1,1,1-Trichloroethane

Concen: 52.957 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

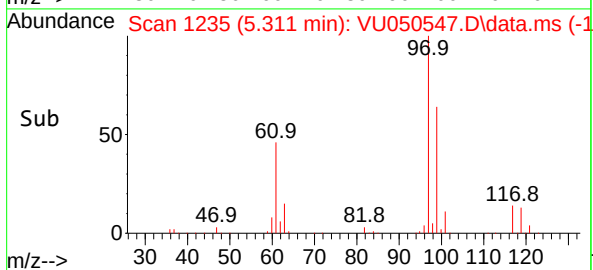
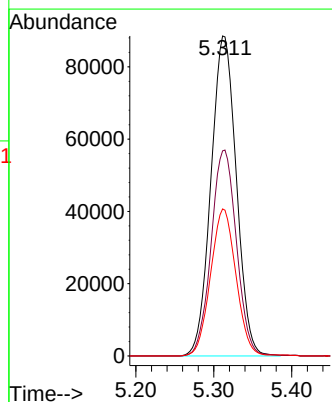
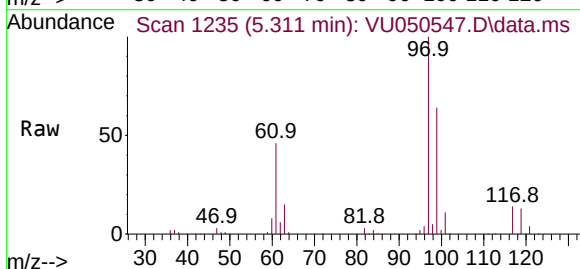
Tgt Ion: 97 Resp: 200307

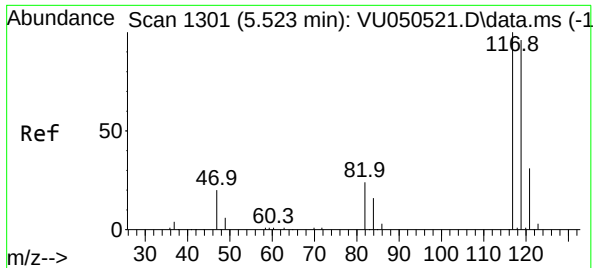
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 45.9 36.4 54.6

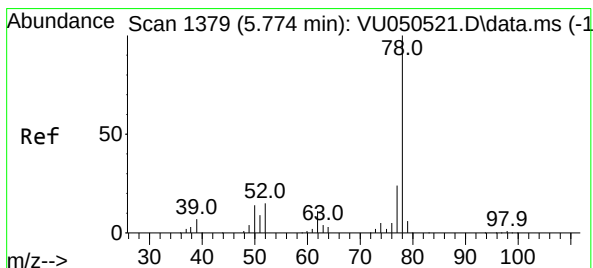
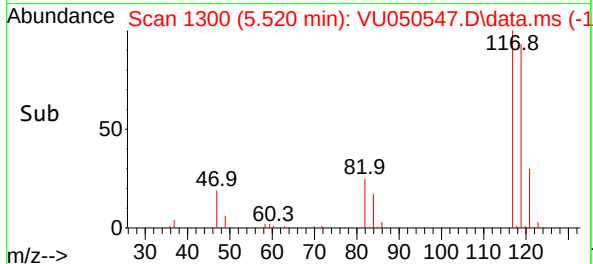
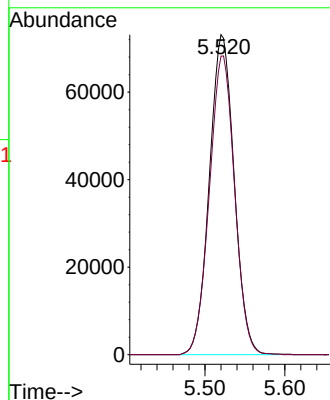
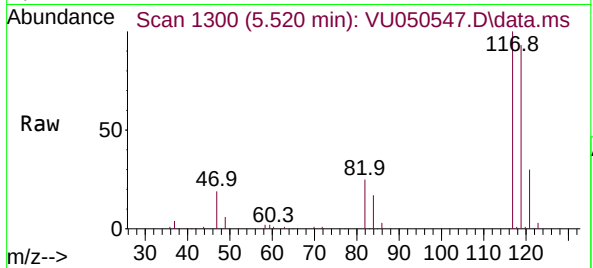




#31
Carbon tetrachloride
Concen: 54.473 ug/L
RT: 5.520 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

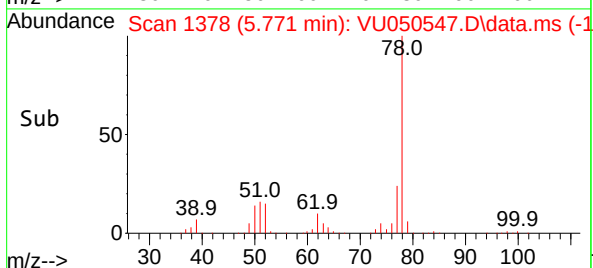
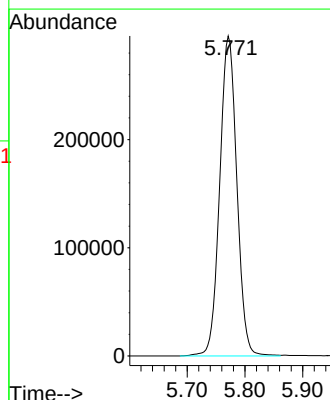
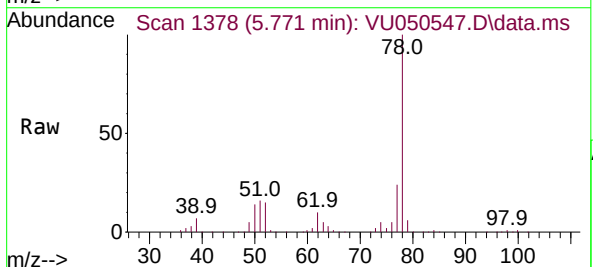
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

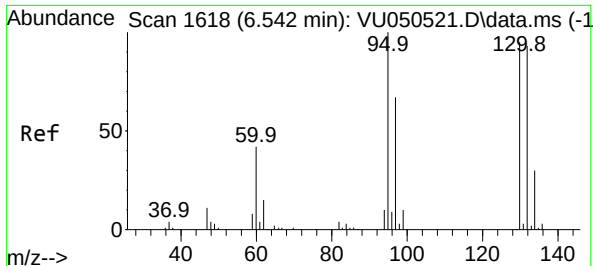
Tgt Ion:117 Resp: 157316
Ion Ratio Lower Upper
117 100
119 95.0 78.8 118.2



#33
Benzene
Concen: 53.716 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion: 78 Resp: 609210

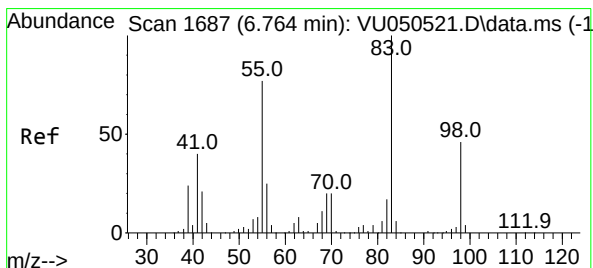
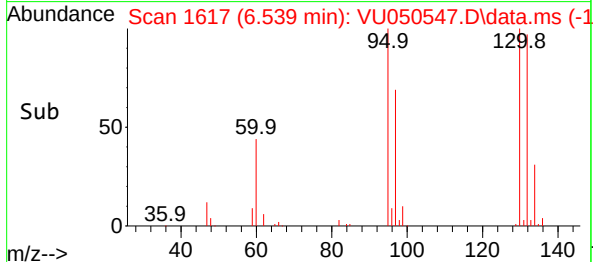
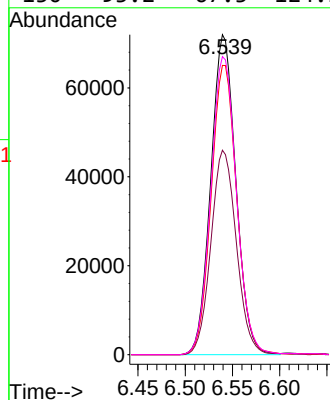
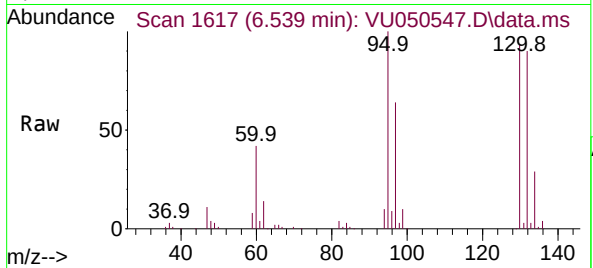




#34
Trichloroethene
Concen: 51.060 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

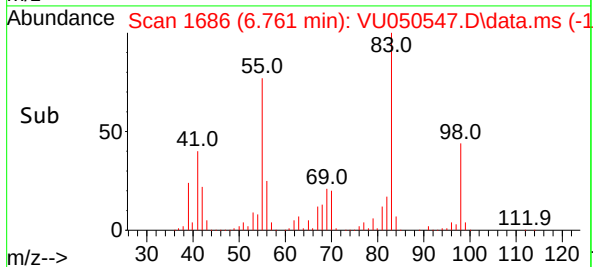
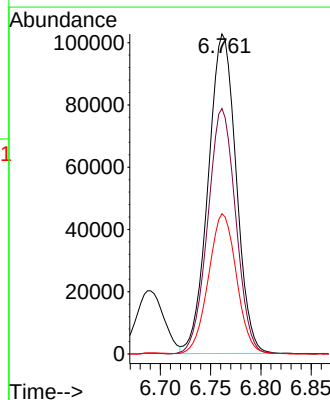
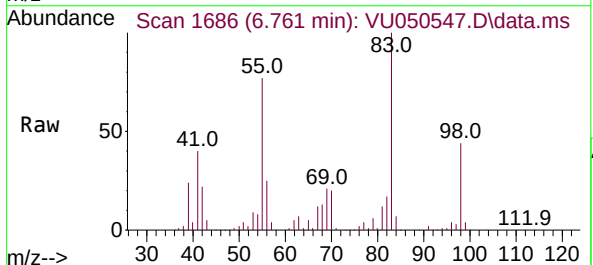
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

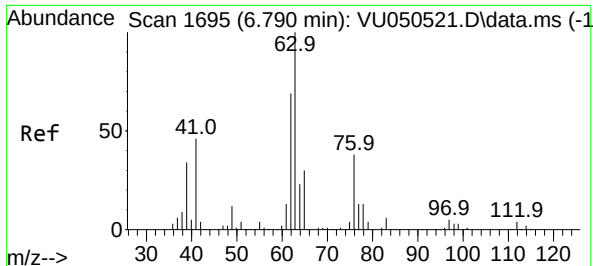
Tgt Ion: 95 Resp: 132881
Ion Ratio Lower Upper
95 100
97 63.9 44.2 82.2
132 90.4 63.2 117.4
130 93.2 67.3 124.9



#35
Methylcyclohexane
Concen: 56.873 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion: 83 Resp: 199006
Ion Ratio Lower Upper
83 100
55 77.0 61.0 91.4
98 44.1 35.7 53.5





#37

1,2-Dichloropropane

Concen: 54.467 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

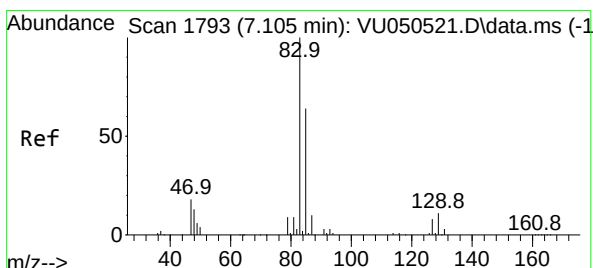
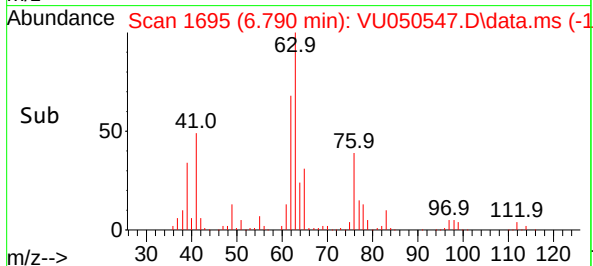
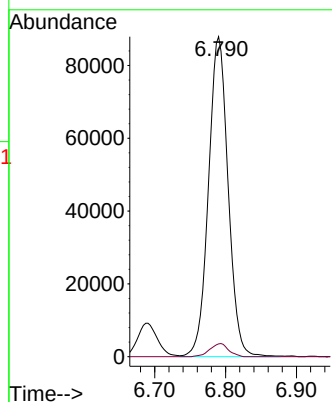
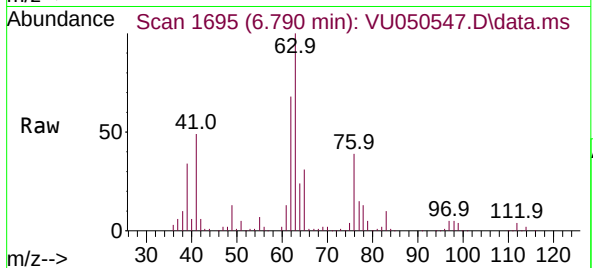
VSTD050184

Tgt Ion: 63 Resp: 169125

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.4



#38

Bromodichloromethane

Concen: 53.207 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

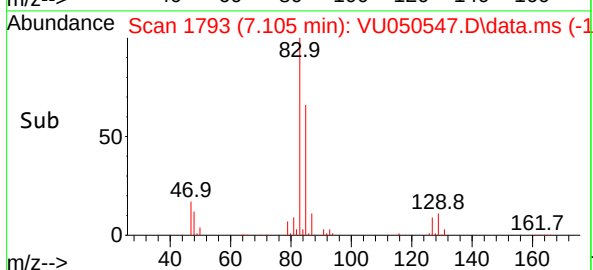
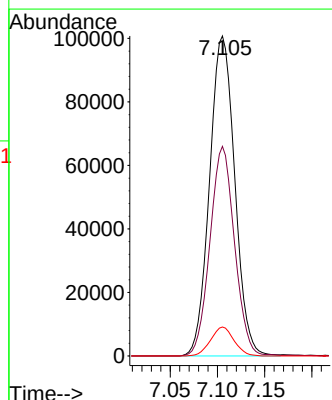
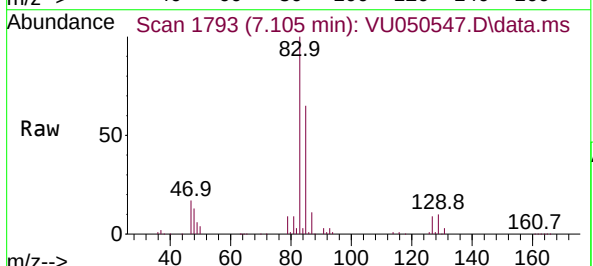
Tgt Ion: 83 Resp: 186930

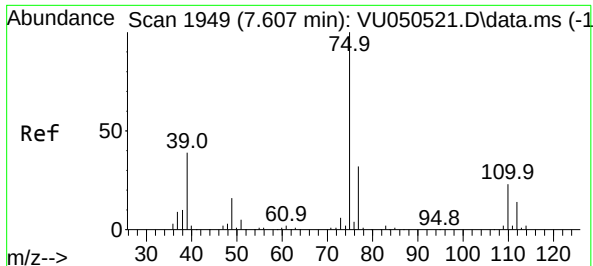
Ion Ratio Lower Upper

83 100

85 65.5 44.4 82.4

127 9.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 52.763 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

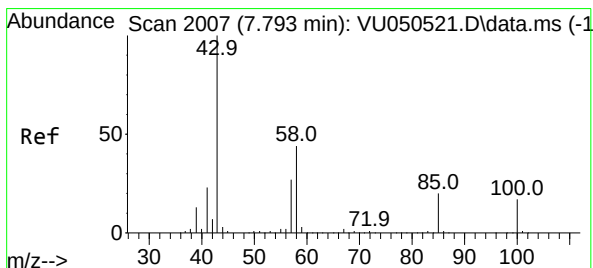
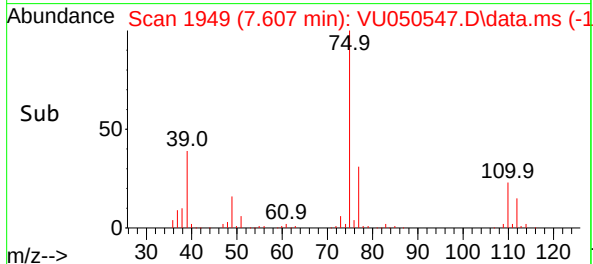
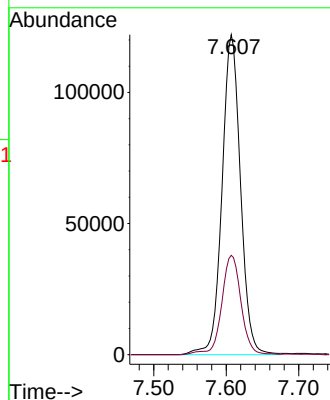
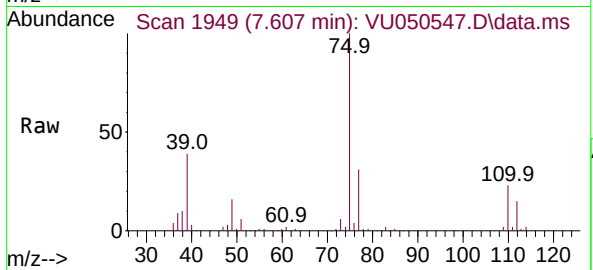
VSTD050184

Tgt Ion: 75 Resp: 215864

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 104.279 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

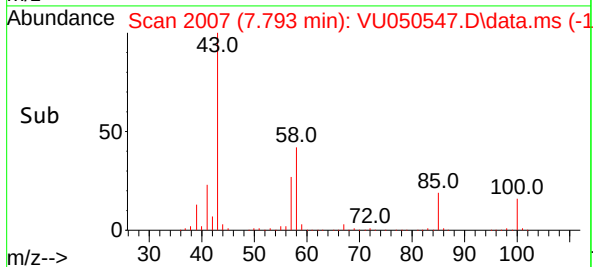
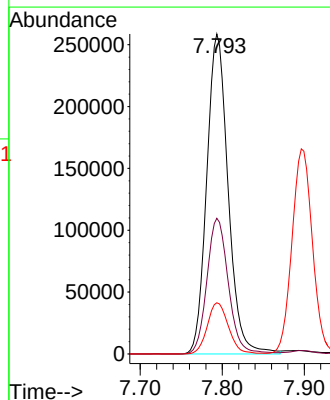
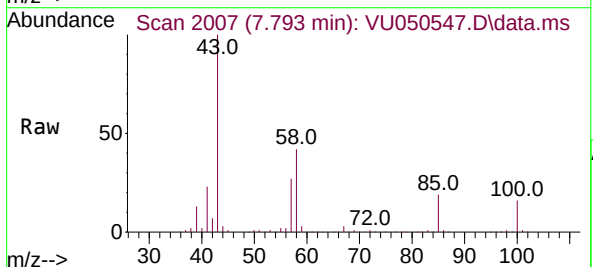
Tgt Ion: 43 Resp: 468702

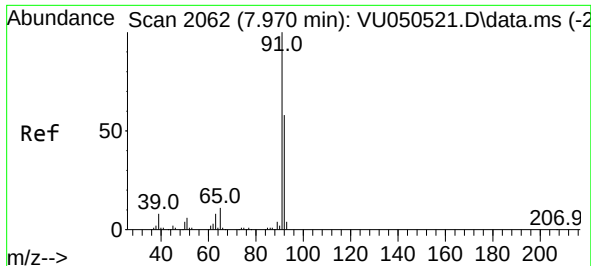
Ion Ratio Lower Upper

43 100

58 42.5 34.2 51.4

100 15.9 12.9 19.3





#42

Toluene

Concen: 55.198 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

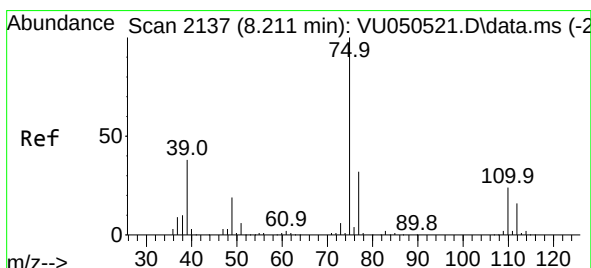
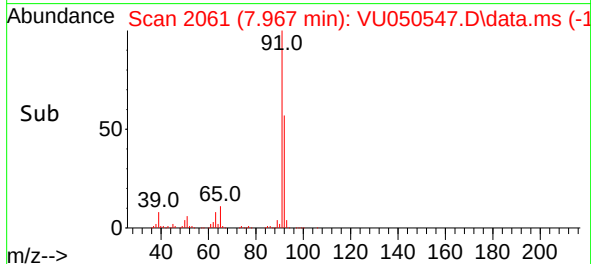
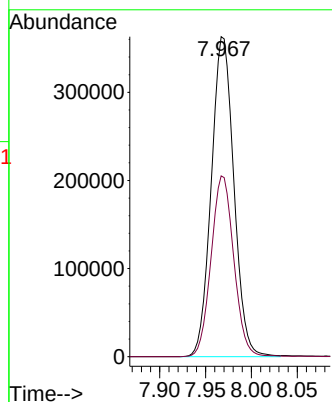
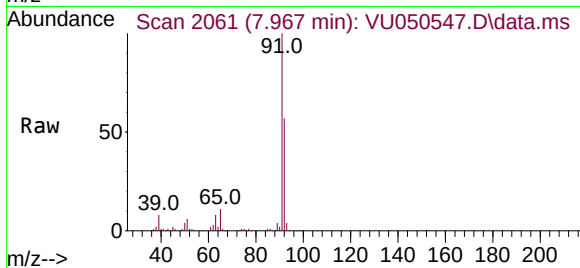
VSTD050184

Tgt Ion: 91 Resp: 621071

Ion Ratio Lower Upper

91 100

92 56.5 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 53.112 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050547.D

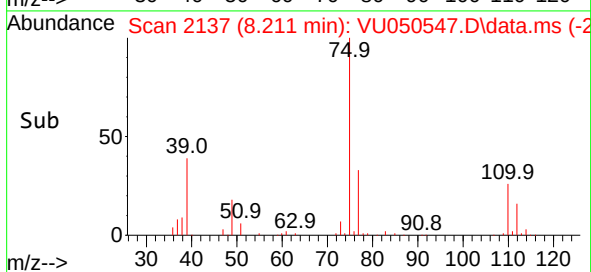
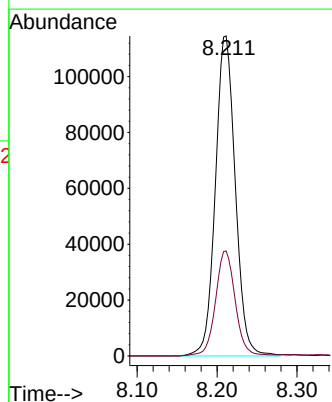
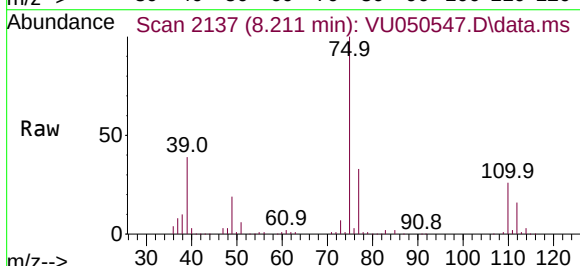
Acq: 31 Aug 2022 13:55

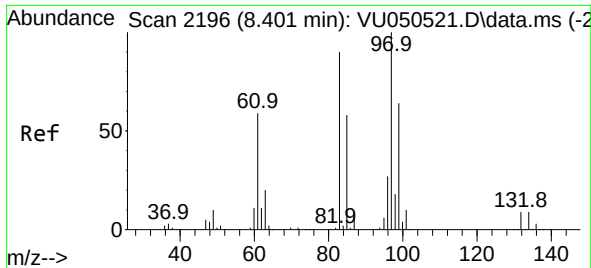
Tgt Ion: 75 Resp: 197946

Ion Ratio Lower Upper

75 100

77 32.8 22.2 41.2

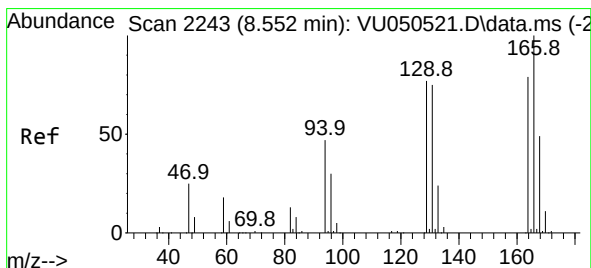
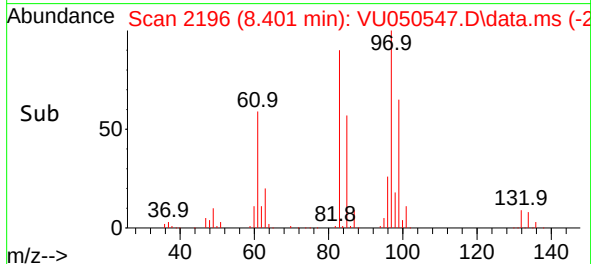
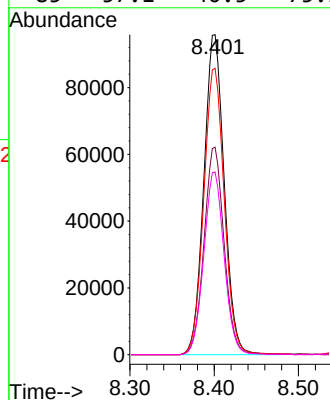
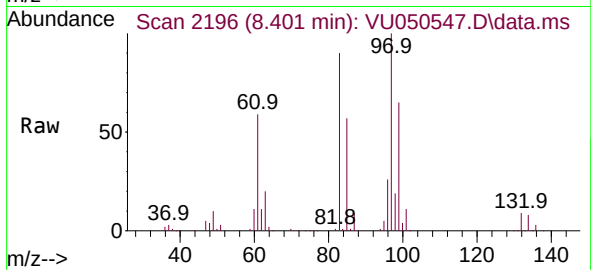




#45
1,1,2-Trichloroethane
Concen: 53.615 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

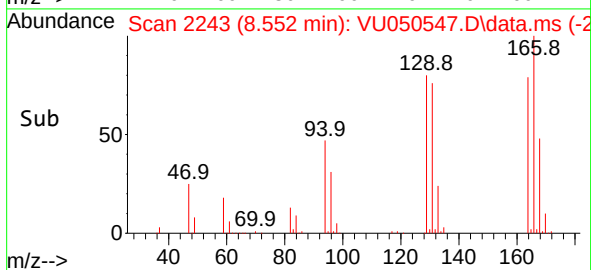
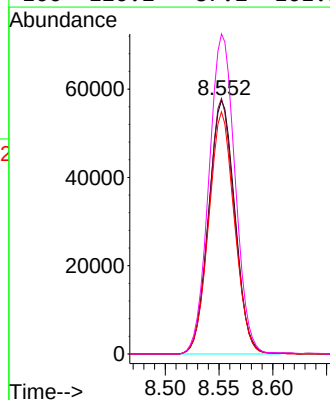
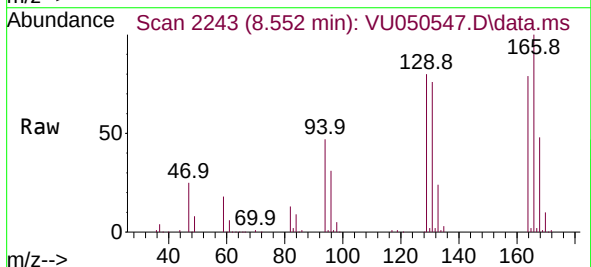
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

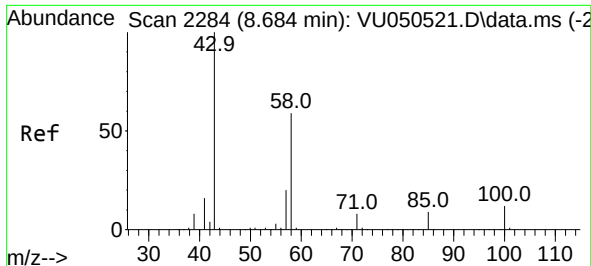
Tgt Ion:	97	Resp:	161592
Ion	Ratio	Lower	Upper
97	100		
99	64.9	44.3	82.3
83	89.5	62.1	115.3
85	57.1	40.5	75.1



#46
Tetrachloroethene
Concen: 53.710 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion:	164	Resp:	97778
Ion	Ratio	Lower	Upper
164	100		
129	100.7	67.5	125.3
131	95.4	63.8	118.4
166	126.2	87.2	161.9



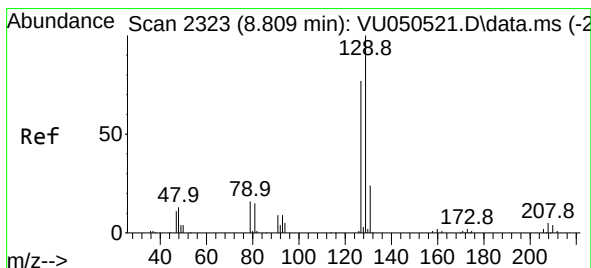
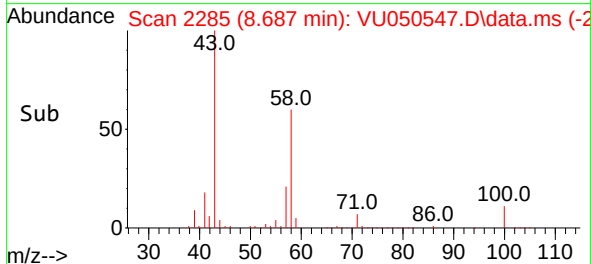
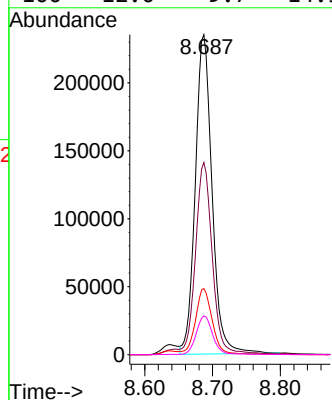
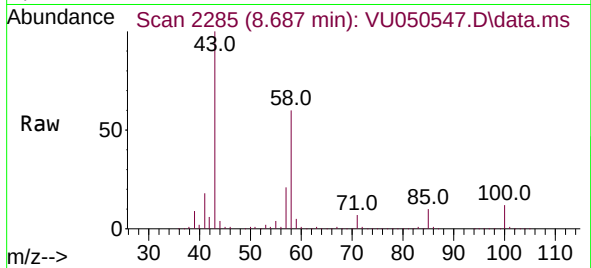


#48
2-Hexanone
Concen: 105.057 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

Tgt Ion: 43 Resp: 403664

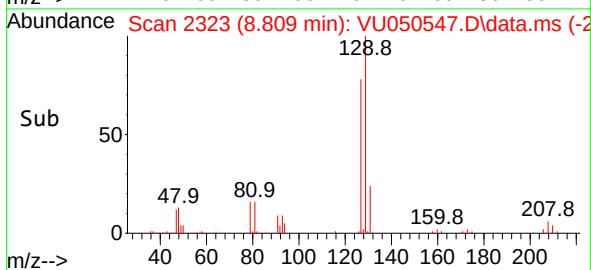
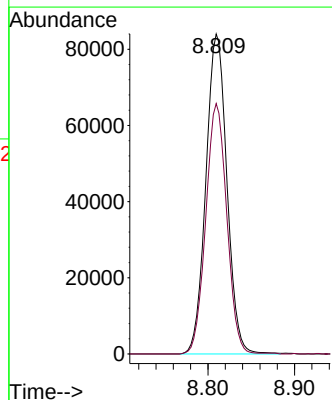
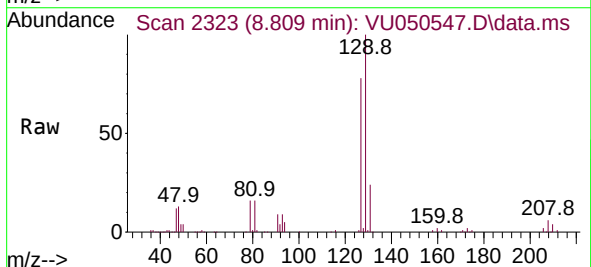
Ion	Ratio	Lower	Upper
43	100		
58	59.7	46.6	69.8
57	20.0	15.8	23.6
100	12.0	9.7	14.5

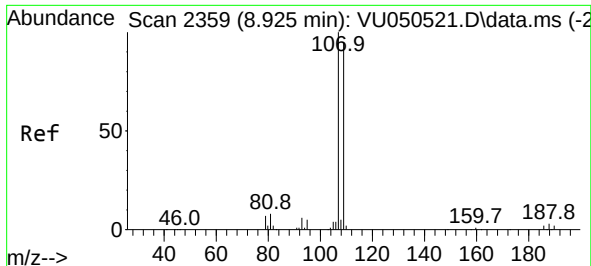


#49
Dibromochloromethane
Concen: 54.198 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion: 129 Resp: 141821

Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.9	101.9

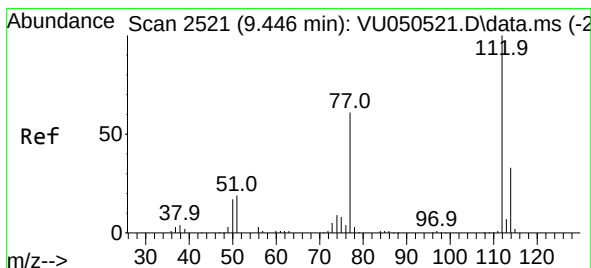
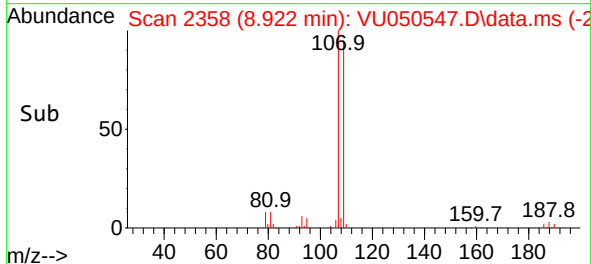
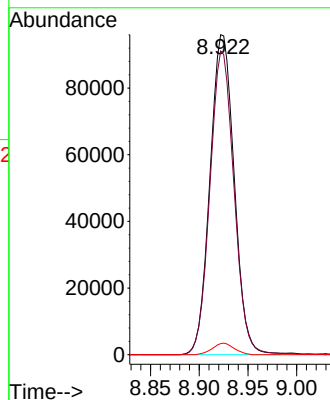
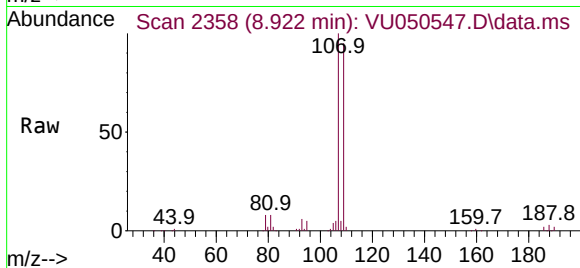




#50
1,2-Dibromoethane
Concen: 53.297 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

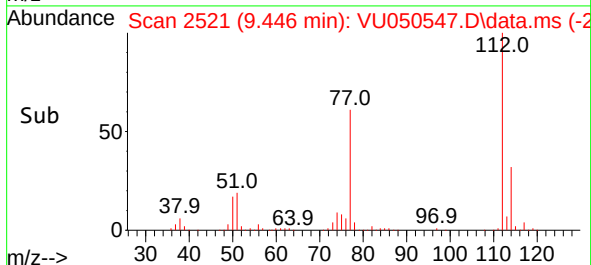
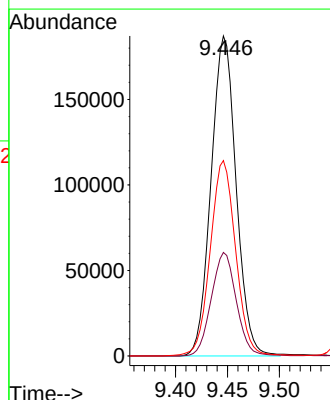
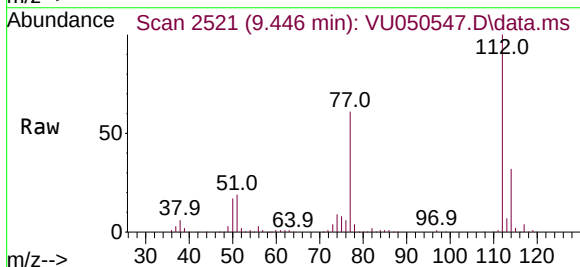
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

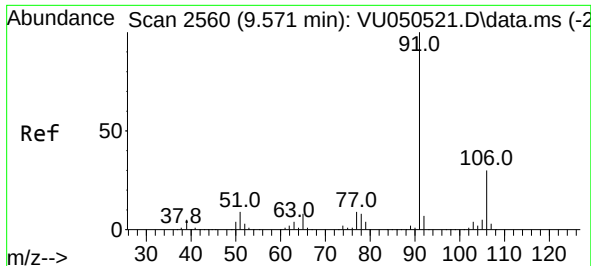
Tgt Ion:107 Resp: 165817
Ion Ratio Lower Upper
107 100
109 94.9 65.2 121.0
188 3.6 2.7 4.1



#51
Chlorobenzene
Concen: 44.850 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion:112 Resp: 314050
Ion Ratio Lower Upper
112 100
114 32.4 23.0 42.6
77 61.0 49.4 74.2

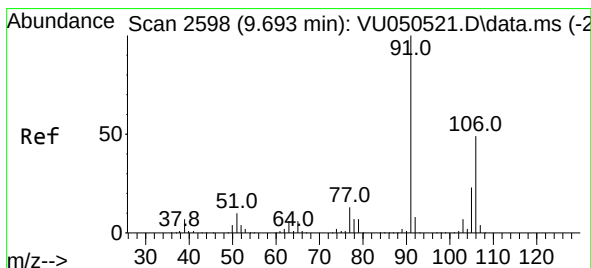
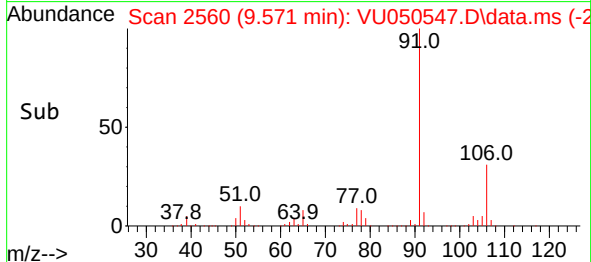
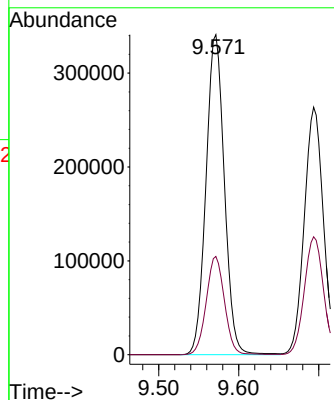
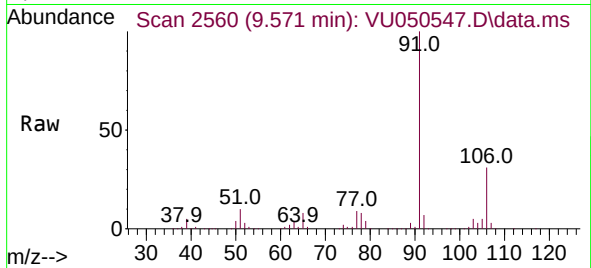




#52
Ethylbenzene
Concen: 50.012 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

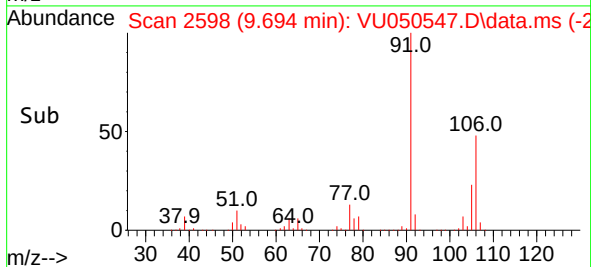
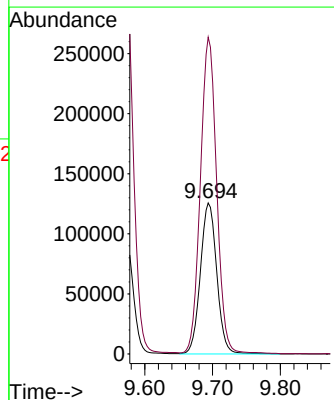
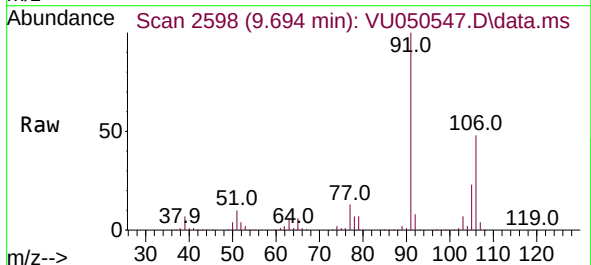
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

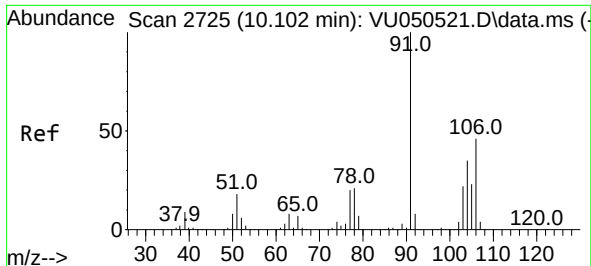
Tgt Ion: 91 Resp: 544670
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#53
m,p-Xylene
Concen: 51.409 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion: 106 Resp: 210939
Ion Ratio Lower Upper
106 100
91 209.7 145.1 269.5

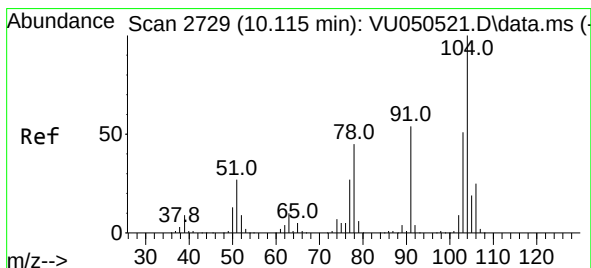
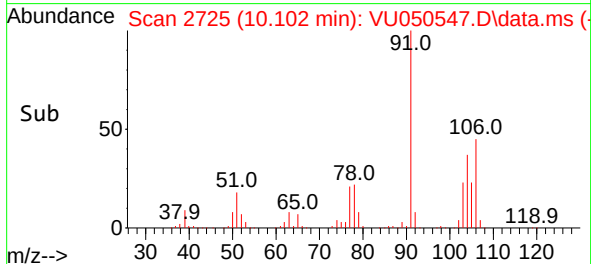
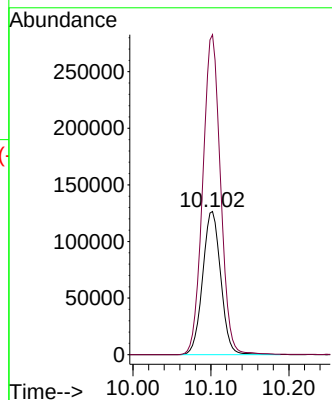
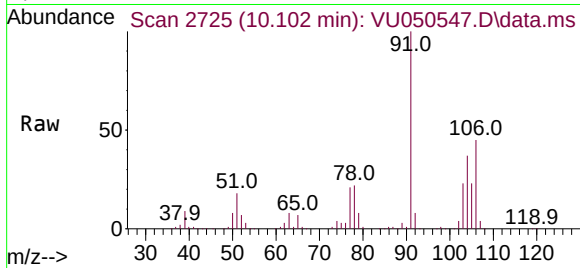




#54
o-Xylene
Concen: 48.890 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

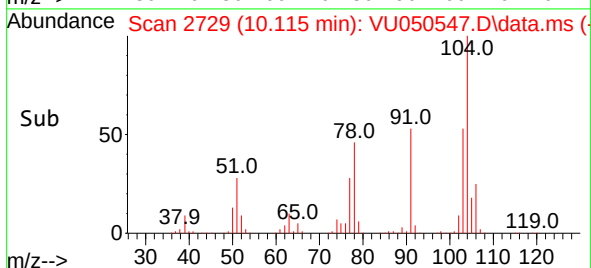
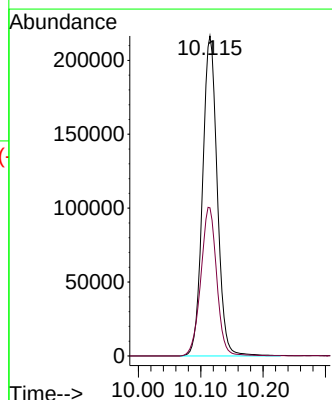
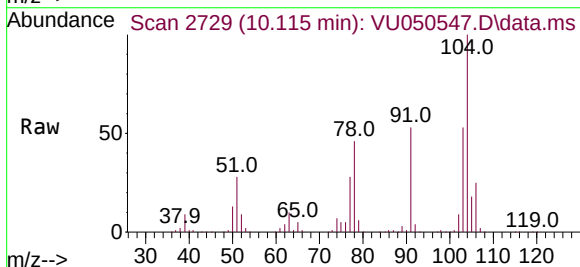
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

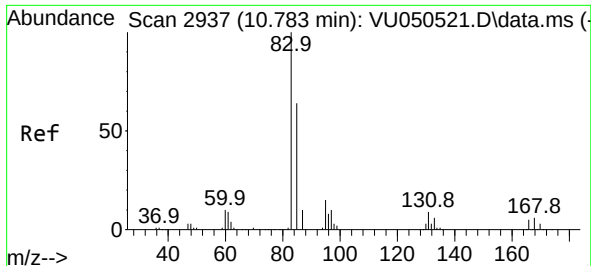
Tgt Ion:106 Resp: 204066
Ion Ratio Lower Upper
106 100
91 223.3 152.0 282.2



#55
Styrene
Concen: 51.240 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion:104 Resp: 354915
Ion Ratio Lower Upper
104 100
78 46.3 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 53.614 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050184

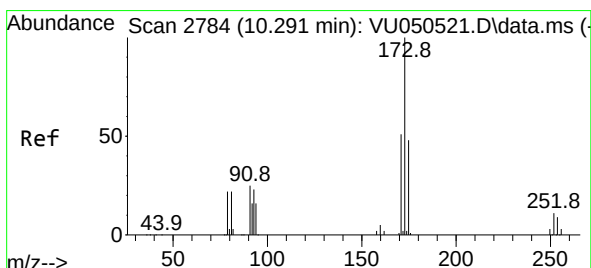
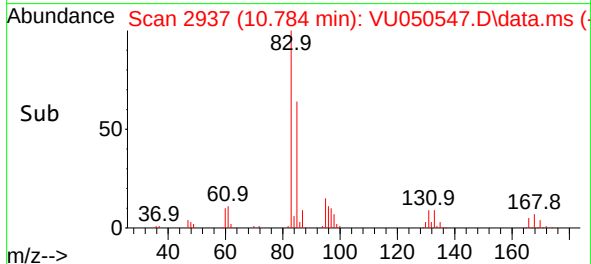
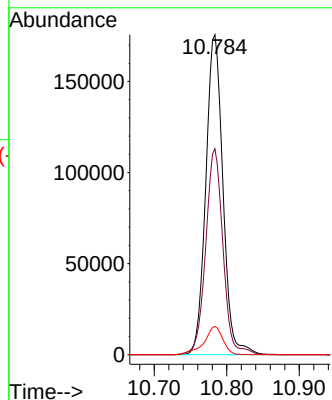
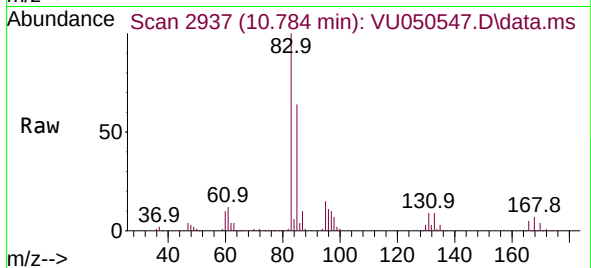
Tgt Ion: 83 Resp: 288306

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1

131 8.9 7.2 10.8



#59

Bromoform

Concen: 46.291 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

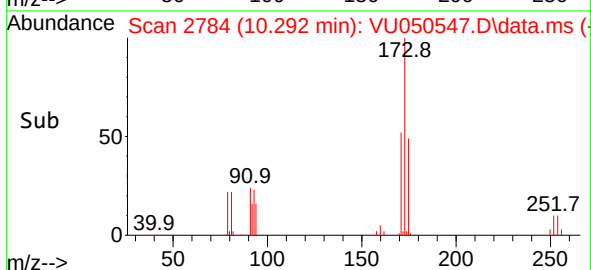
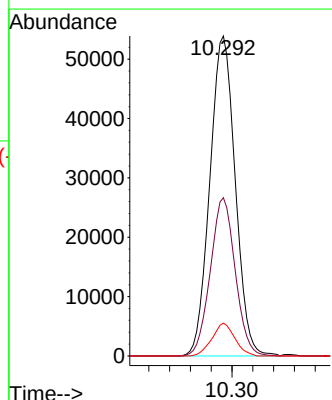
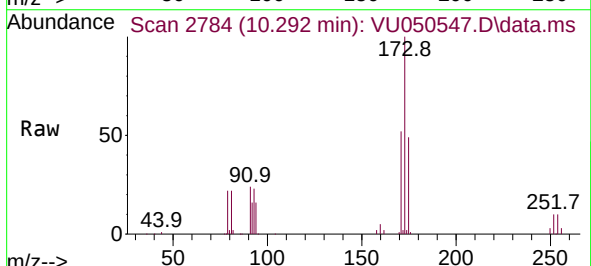
Tgt Ion:173 Resp: 91237

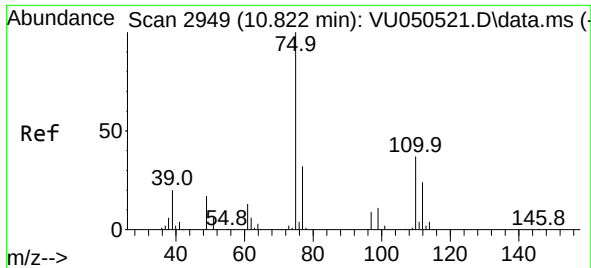
Ion Ratio Lower Upper

173 100

175 48.4 37.8 56.8

254 9.3 7.7 11.5

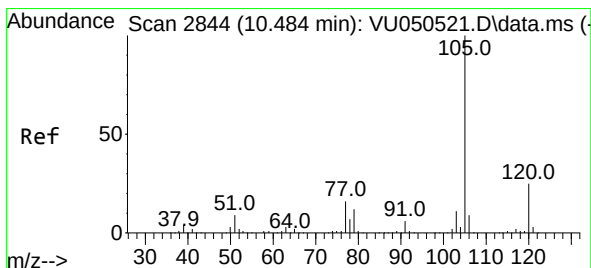
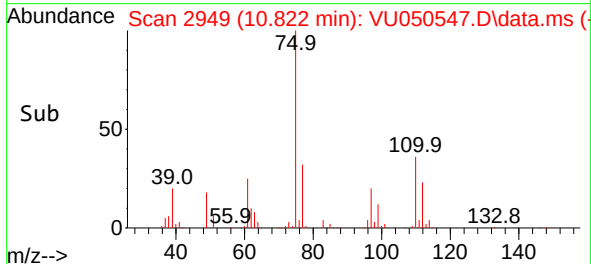
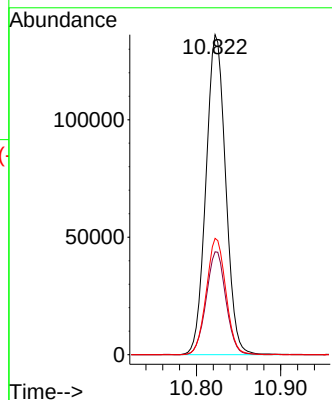
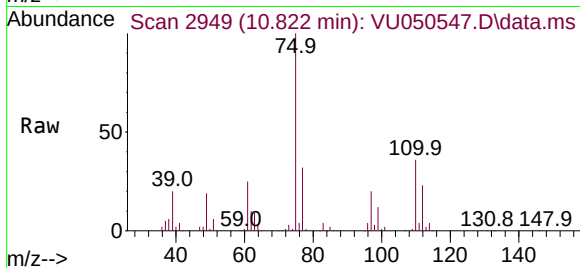




#60
1,2,3-Trichloropropane
Concen: 50.065 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

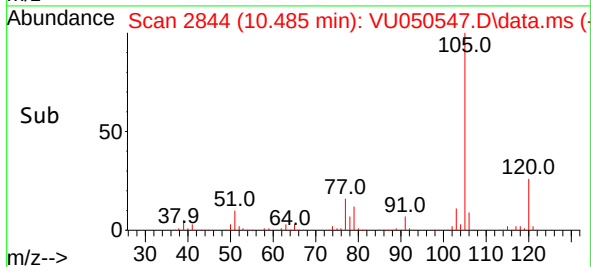
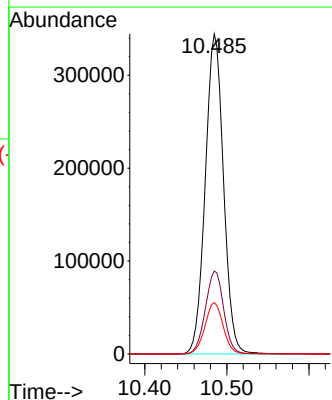
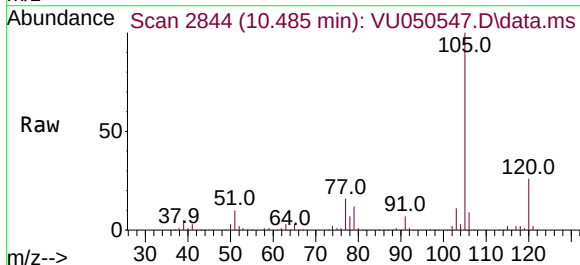
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

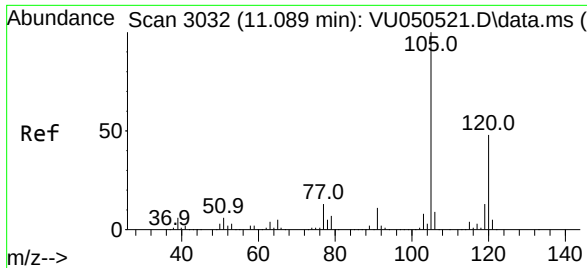
Tgt Ion: 75 Resp: 221226
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.4
110 36.1 29.0 43.6



#61
Isopropylbenzene
Concen: 50.724 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion: 105 Resp: 532412
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.1 12.6 19.0

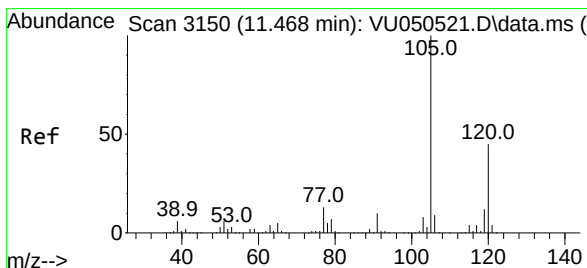
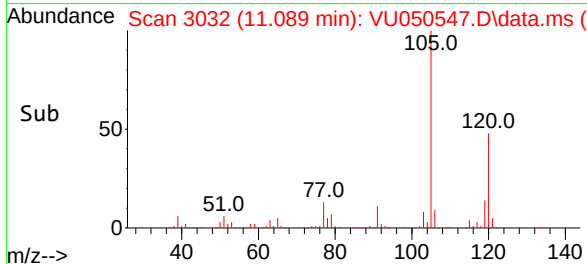
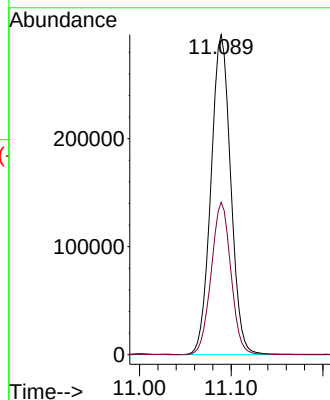
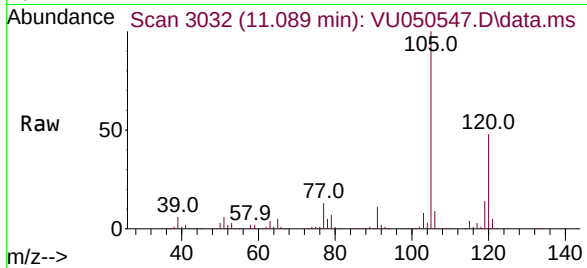




#62
 1,3,5-Trimethylbenzene
 Concen: 51.416 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU050547.D
 Acq: 31 Aug 2022 13:55

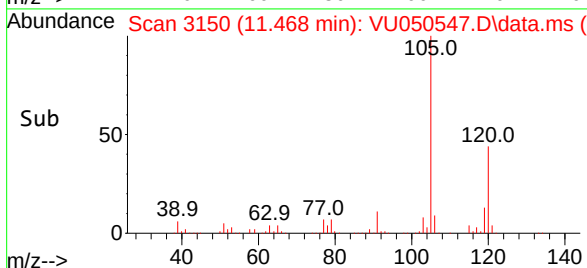
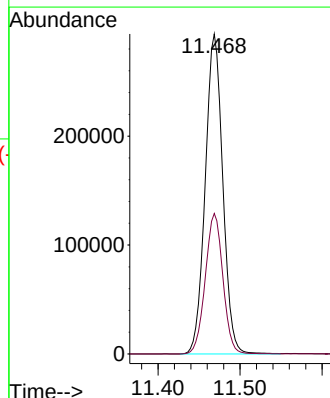
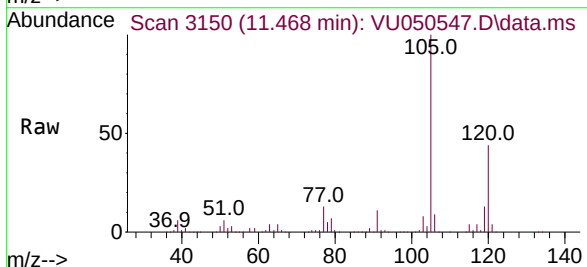
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050184

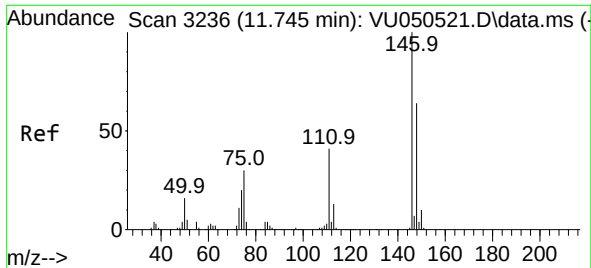
Tgt Ion:105 Resp: 443652
 Ion Ratio Lower Upper
 105 100
 120 47.5 38.2 57.2



#63
 1,2,4-Trimethylbenzene
 Concen: 52.189 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU050547.D
 Acq: 31 Aug 2022 13:55

Tgt Ion:105 Resp: 437402
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.6 53.4

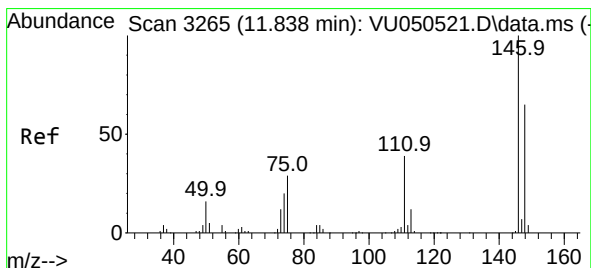
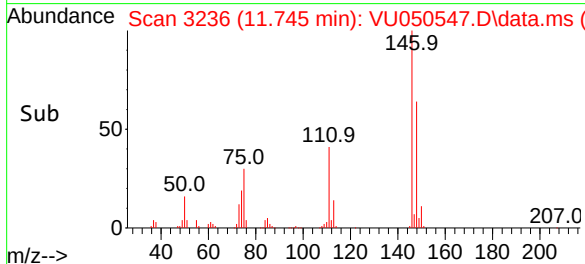
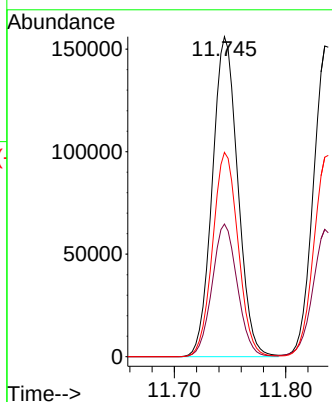
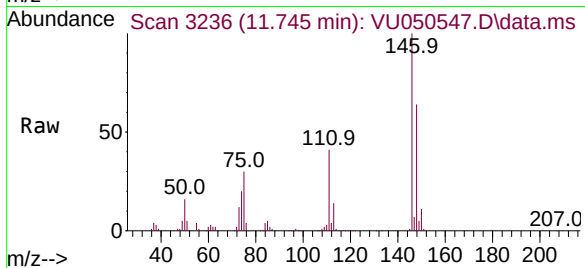




#64
1,3-Dichlorobenzene
Concen: 49.577 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

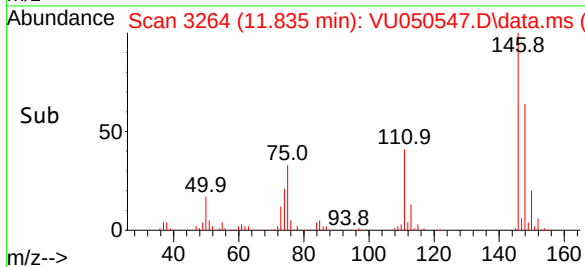
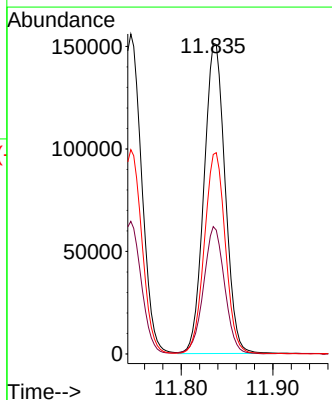
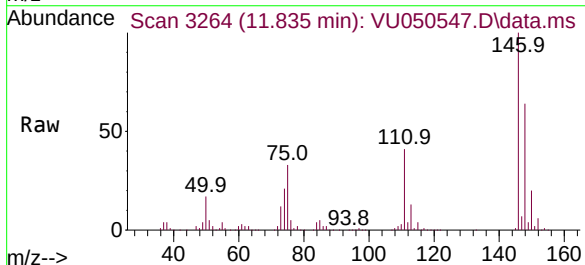
Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

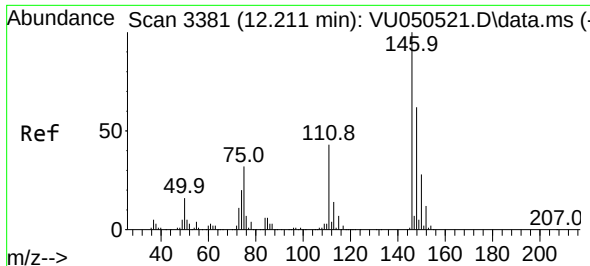
Tgt Ion:146 Resp: 248300
Ion Ratio Lower Upper
146 100
111 41.5 28.4 52.8
148 63.8 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 47.748 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion:146 Resp: 242494
Ion Ratio Lower Upper
146 100
111 41.0 28.2 52.4
148 64.2 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 49.130 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050184

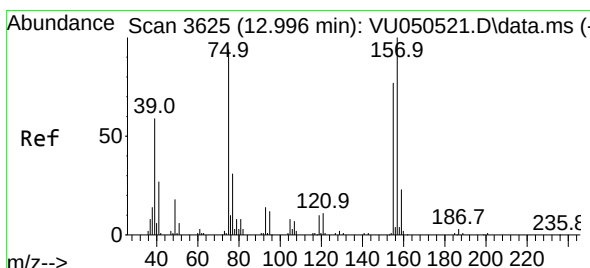
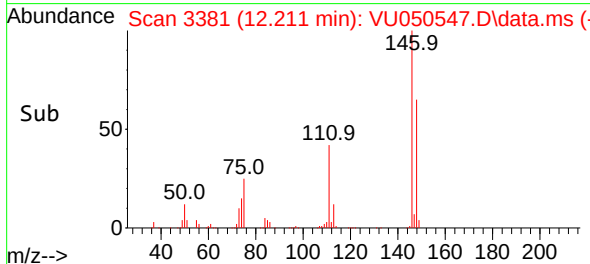
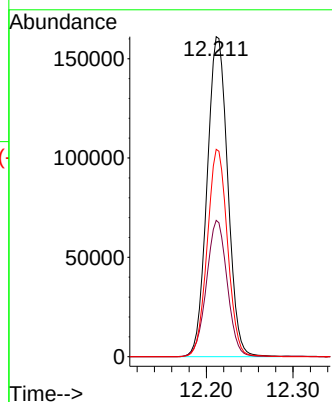
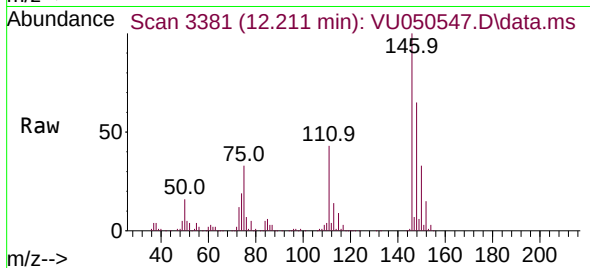
Tgt Ion:146 Resp: 266750

Ion Ratio Lower Upper

146 100

111 42.6 33.4 50.2

148 64.8 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 48.070 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050547.D

Acq: 31 Aug 2022 13:55

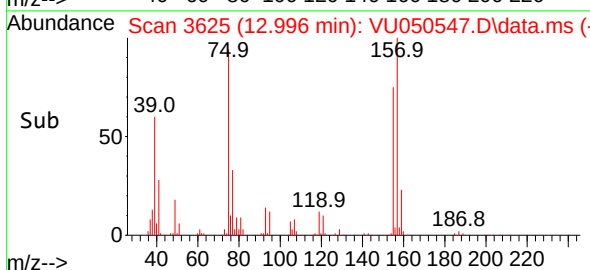
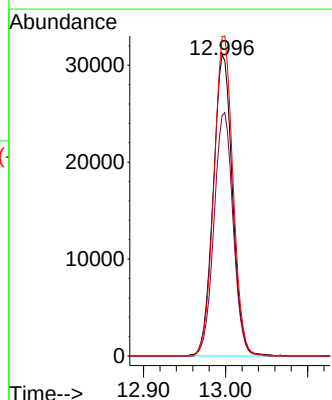
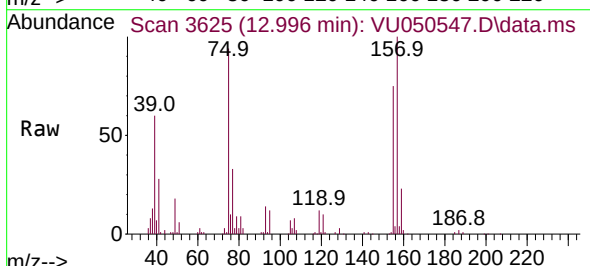
Tgt Ion: 75 Resp: 50688

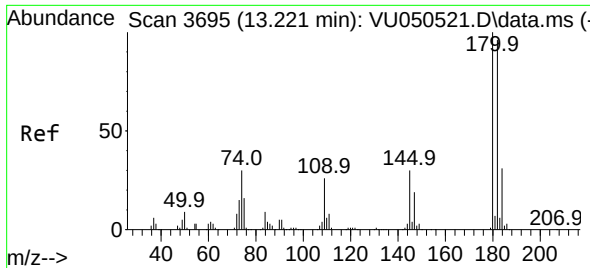
Ion Ratio Lower Upper

75 100

155 83.8 71.4 107.2

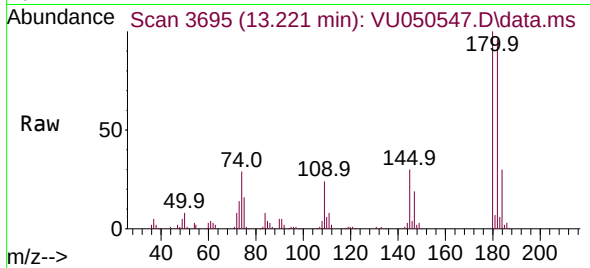
157 106.1 83.2 124.8



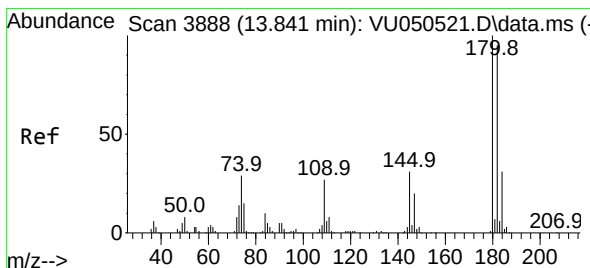
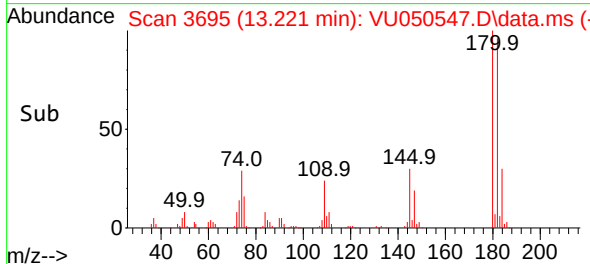
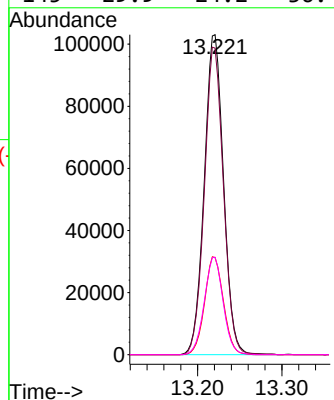


#69
 1,3,5-Trichlorobenzene
 Concen: 47.918 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU050547.D
 Acq: 31 Aug 2022 13:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050184

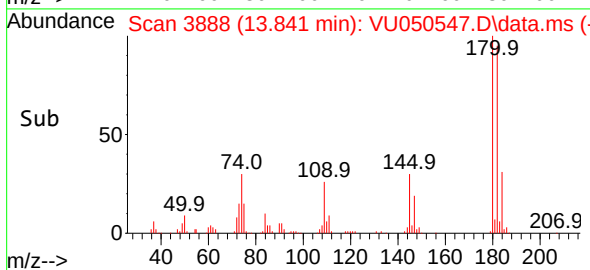
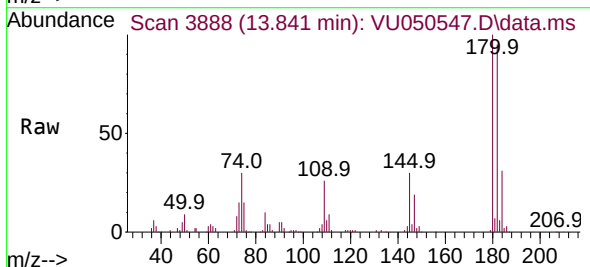
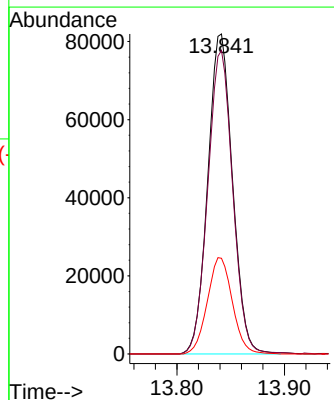


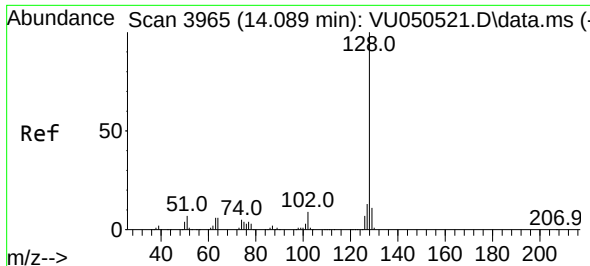
Tgt Ion:180 Resp: 164227
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.3 114.5
 184 29.8 24.4 36.6
 145 29.9 24.2 36.4



#70
 1,2,4-trichlorobenzene
 Concen: 43.007 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU050547.D
 Acq: 31 Aug 2022 13:55

Tgt Ion:180 Resp: 131102
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 115.0
 145 30.4 24.2 36.4

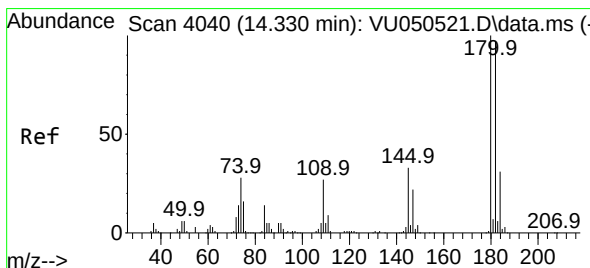
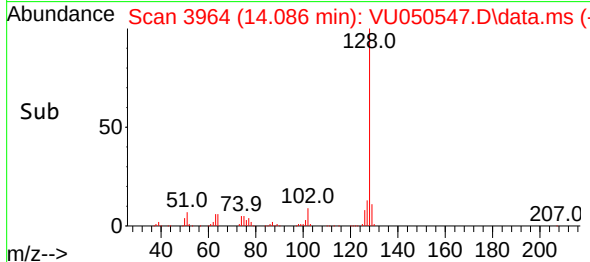
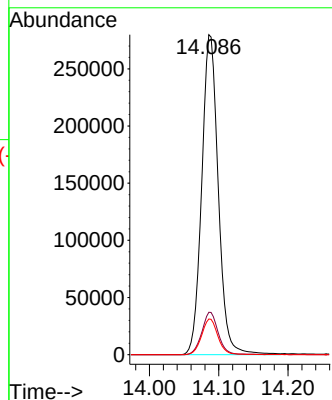
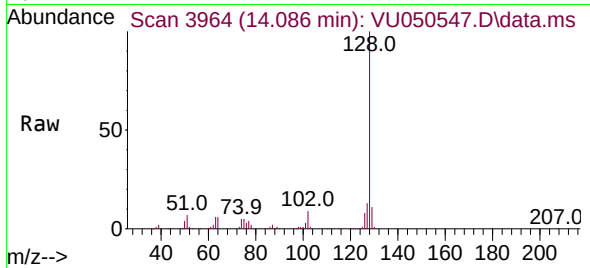




#71
Naphthalene
Concen: 37.171 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050184

Tgt Ion:128 Resp: 464910
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 44.214 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050547.D
Acq: 31 Aug 2022 13:55

Tgt Ion:180 Resp: 155765
Ion Ratio Lower Upper
180 100
182 95.1 76.0 114.0
145 32.6 26.2 39.2

