

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072722\
 Data File : VU049955.D
 Acq On : 27 Jul 2022 17:39
 Operator : SY/MD
 Sample : VSTD02048
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020048

Quant Time: Jul 28 03:13:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 28 03:10:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	113206	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	108190	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	54392	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	198531	19.937	ug/L	0.00
7) Chloroethane-d5	1.903	69	127110	18.741	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.559	65	71225	18.237	ug/L	0.00
20) 2-Butanone-d5	4.626	46	488263	188.191	ug/L	0.00
24) Chloroform-d	5.063	84	334935	21.354	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	162940	19.282	ug/L	0.00
32) Benzene-d6	5.726	84	687073	20.977	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	223040	20.314	ug/L	0.00
41) Toluene-d8	7.896	98	624064	21.198	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	85689	18.183	ug/L	0.00
46) 2-Hexanone-d5	8.632	63	362246	191.525	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	187928	20.957	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	212504	20.563	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	169371	17.619	ug/L	98
3) Chloromethane	1.520	50	189412	18.014	ug/L	99
5) Vinyl chloride	1.601	62	190259	19.797	ug/L	98
6) Bromomethane	1.851	94	96331	18.410	ug/L	100
8) Chloroethane	1.925	64	99278	17.835	ug/L	97
9) Trichlorofluoromethane	2.131	101	225322	19.930	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	132958	19.939	ug/L	99
12) 1,1-Dichloroethene	2.575	96	127780	19.993	ug/L	96
13) Acetone	2.636	43	252505	191.739	ug/L	97
14) Carbon disulfide	2.787	76	351883	17.221	ug/L	100
15) Methyl Acetate	2.951	43	66879	19.579	ug/L	99
16) Methylene chloride	3.041	84	169175	19.539	ug/L	99
17) Methyl tert-butyl Ether	3.366	73	380214	20.203	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	142896	20.340	ug/L	97
19) 1,1-Dichloroethane	3.867	63	284608	20.440	ug/L	99
21) 2-Butanone	4.707	43	462406	187.907	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	174861	21.831	ug/L	99
23) Bromochloromethane	4.973	128	77439	22.363	ug/L	99
25) Chloroform	5.086	83	298468	21.016	ug/L	97
27) 1,2-Dichloroethane	5.793	62	176224	19.364	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	238900	18.820	ug/L	98
30) Cyclohexane	5.385	56	215672	15.548	ug/L	98
31) Carbon tetrachloride	5.523	117	193542	18.277	ug/L	98
33) Benzene	5.774	78	659374	20.548	ug/L	100
34) Trichloroethene	6.539	95	160471	19.770	ug/L	97
35) Methylcyclohexane	6.761	83	229470	17.401	ug/L	98
37) 1,2-Dichloropropane	6.790	63	178937	20.276	ug/L	99
38) Bromodichloromethane	7.105	83	220468	20.565	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	253704	19.606	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	1115453	177.076	ug/L	98
42) Toluene	7.970	91	693880	20.458	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	212853	18.954	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072722\
 Data File : VU049955.D
 Acq On : 27 Jul 2022 17:39
 Operator : SY/MD
 Sample : VSTD02048
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

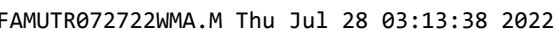
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020048

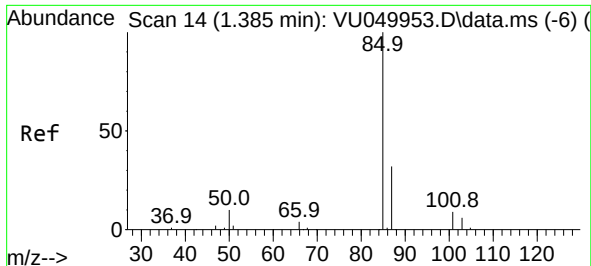
Quant Time: Jul 28 03:13:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 28 03:10:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	133624	21.268	ug/L	99
47) Tetrachloroethene	8.552	164	113072	20.095	ug/L	96
48) 2-Hexanone	8.684	43	829495	182.540	ug/L	99
49) Dibromochloromethane	8.809	129	149100	21.107	ug/L	100
50) 1,2-Dibromoethane	8.925	107	120746	21.156	ug/L	96
51) Chlorobenzene	9.446	112	427956	20.633	ug/L	100
52) Ethylbenzene	9.568	91	729017	20.113	ug/L	99
53) m,p-Xylene	9.693	106	277530	20.580	ug/L	99
54) o-Xylene	10.099	106	277115	20.695	ug/L	95
55) Styrene	10.115	104	484152	21.514	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	176349	21.323	ug/L	98
59) Bromoform	10.292	173	87736	21.427	ug/L	99
60) Isopropylbenzene	10.484	105	715769	19.916	ug/L	100
61) 1,2,3-Trichloropropane	10.822	75	120634	19.676	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	610419	19.566	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	610015	19.828	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	322288	20.459	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	316913	20.360	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	318070	21.101	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	26864	16.809	ug/L	83
69) 1,3,5-Trichlorobenzene	13.217	180	238014	20.517	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	201412	21.826	ug/L	99
71) Naphthalene	14.086	128	431465	23.688	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	201591	22.989	ug/L	100

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

Quant Time: Jul 28 03:13:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jul 28 03:10:46 2022
Response via : Initial Calibration

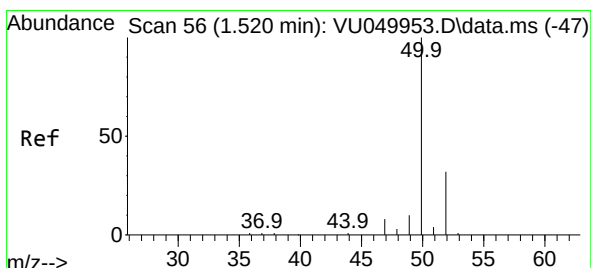
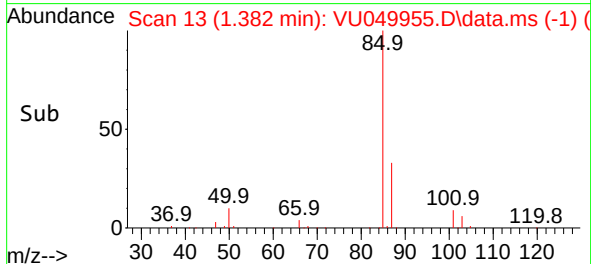
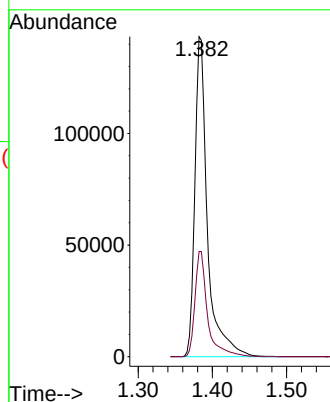
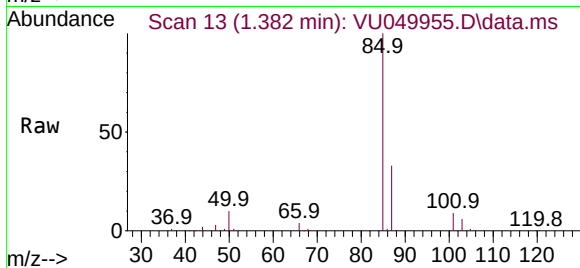




#2
Dichlorodifluoromethane
Concen: 17.619 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

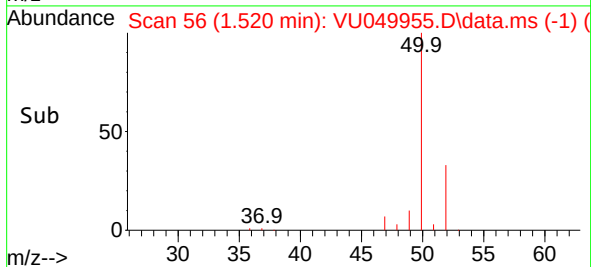
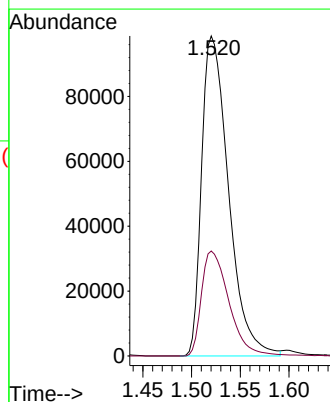
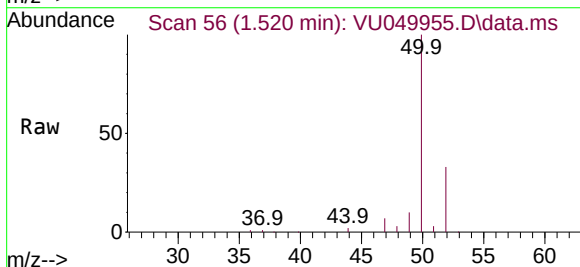
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

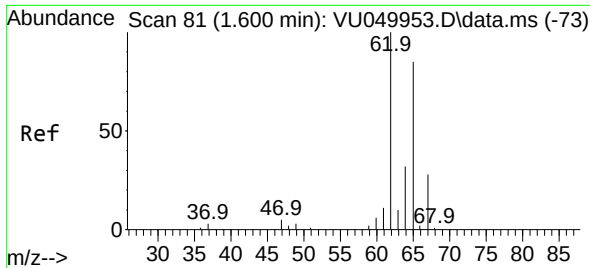
Tgt Ion: 85 Resp: 169371
Ion Ratio Lower Upper
85 100
87 33.0 25.7 38.5



#3
Chloromethane
Concen: 18.014 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion: 50 Resp: 189412
Ion Ratio Lower Upper
50 100
52 32.8 22.4 41.6

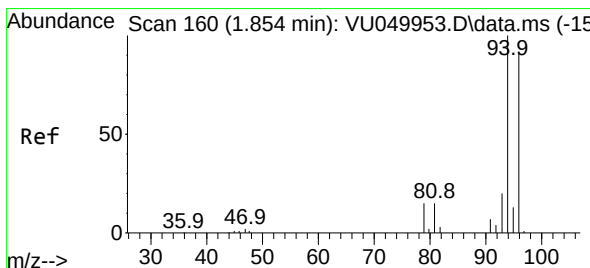
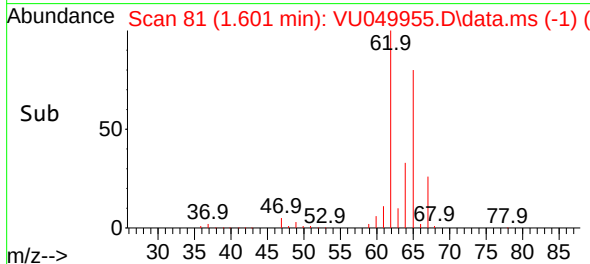
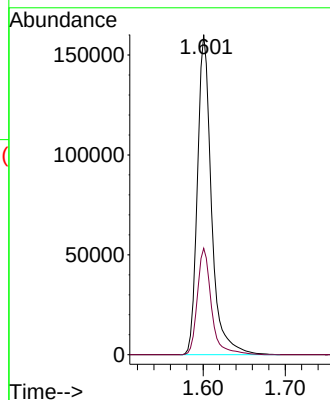
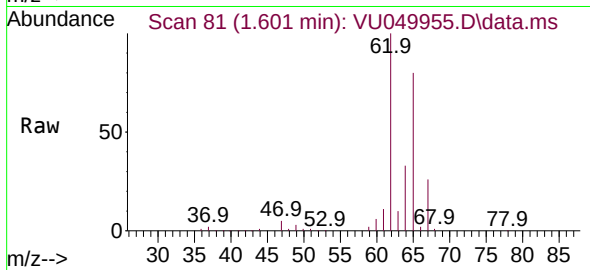




#5
 Vinyl chloride
 Concen: 19.797 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049955.D
 Acq: 27 Jul 2022 17:39

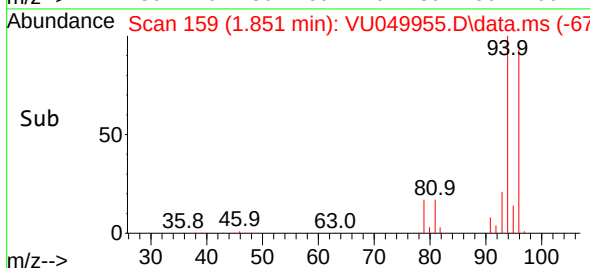
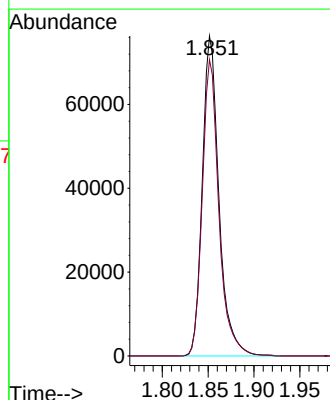
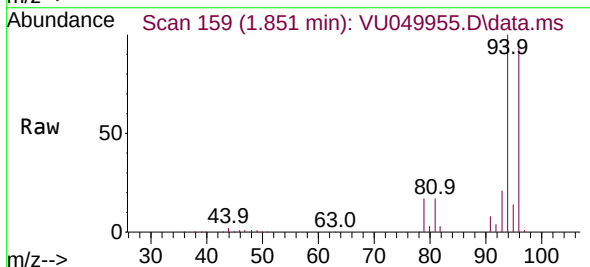
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020048

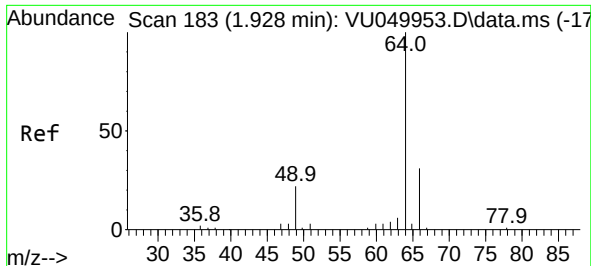
Tgt Ion: 62 Resp: 190259
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.5 41.9



#6
 Bromomethane
 Concen: 18.410 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VU049955.D
 Acq: 27 Jul 2022 17:39

Tgt Ion: 94 Resp: 96331
 Ion Ratio Lower Upper
 94 100
 96 92.6 64.5 119.9

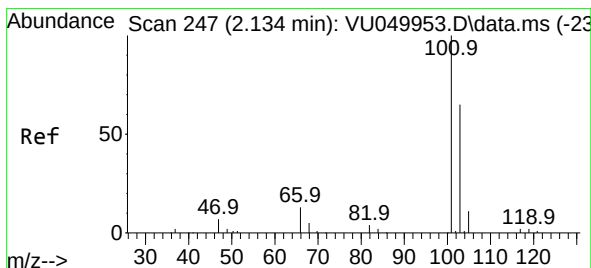
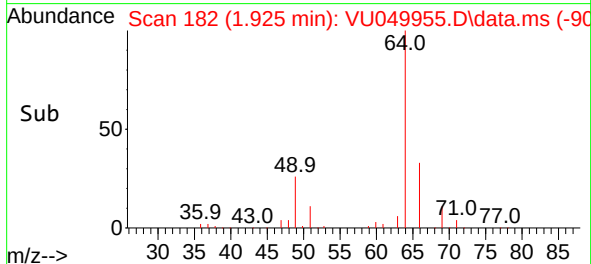
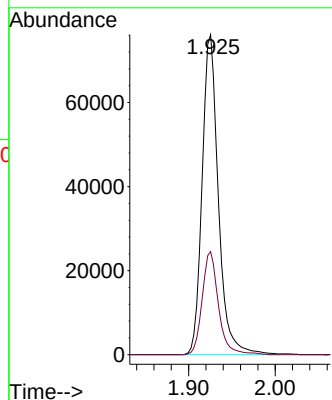
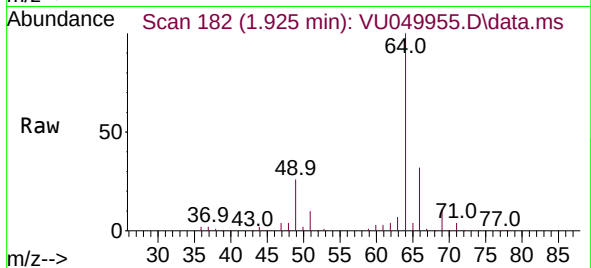




#8
Chloroethane
Concen: 17.835 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

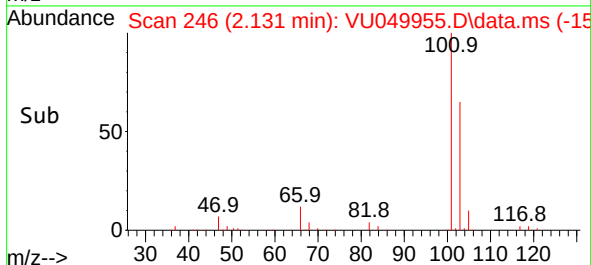
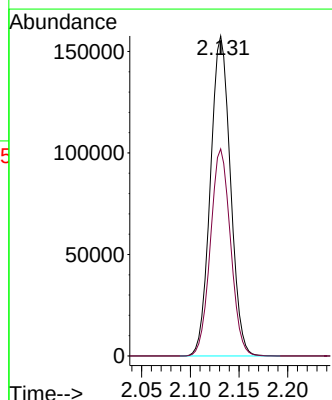
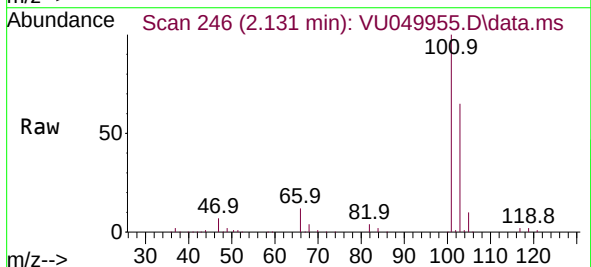
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

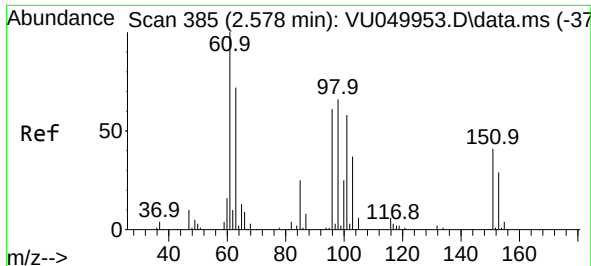
Tgt Ion: 64 Resp: 99278
Ion Ratio Lower Upper
64 100
66 32.2 21.4 39.8



#9
Trichlorofluoromethane
Concen: 19.930 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion:101 Resp: 225322
Ion Ratio Lower Upper
101 100
103 64.9 51.0 76.6

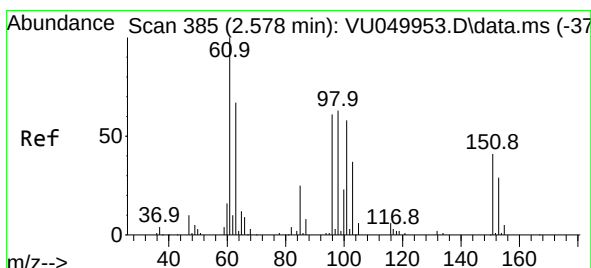
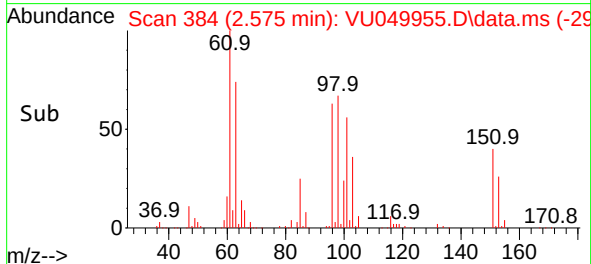
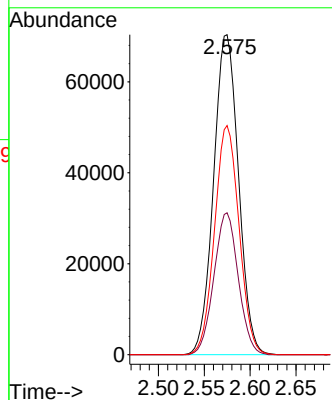
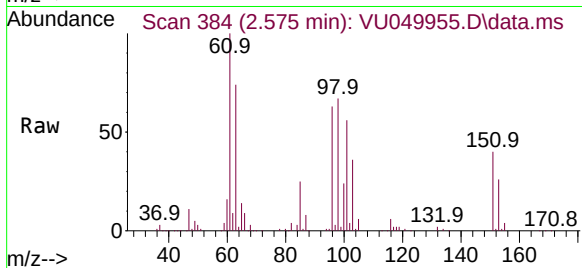




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.939 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU049955.D
 Acq: 27 Jul 2022 17:39

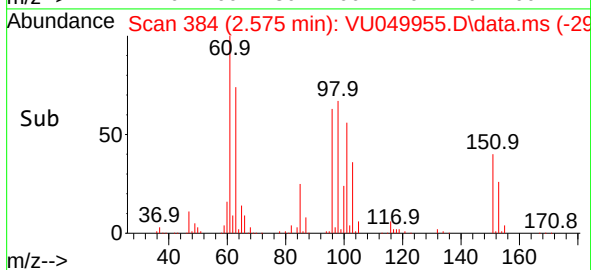
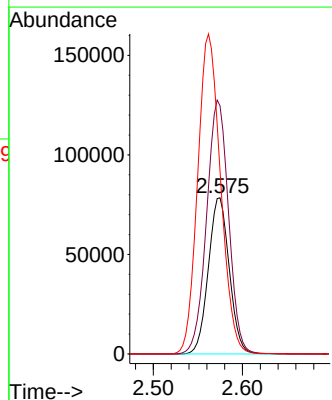
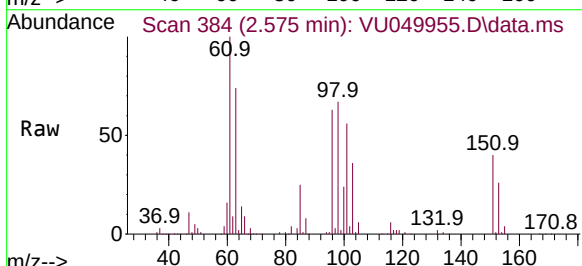
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020048

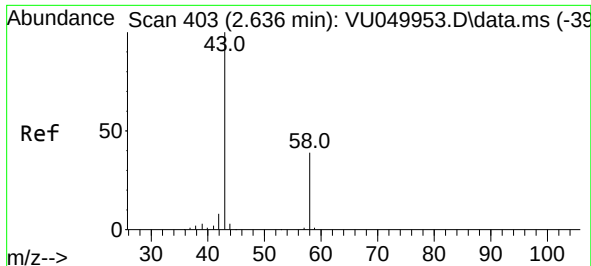
Tgt Ion:101 Resp: 132958
 Ion Ratio Lower Upper
 101 100
 85 43.3 34.1 51.1
 151 70.6 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 19.993 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU049955.D
 Acq: 27 Jul 2022 17:39

Tgt Ion: 96 Resp: 127780
 Ion Ratio Lower Upper
 96 100
 61 158.9 115.7 214.9
 63 117.1 84.8 157.4





#13

Acetone

Concen: 191.739 ug/L

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

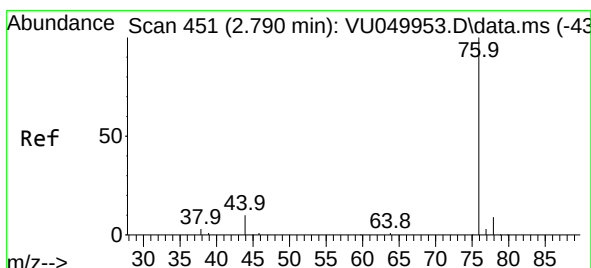
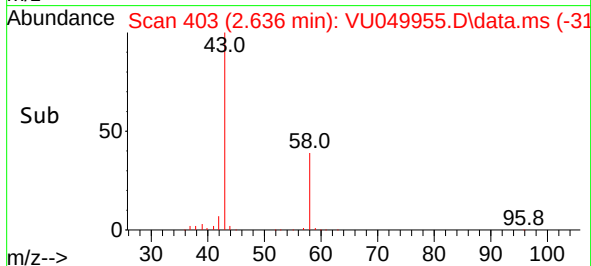
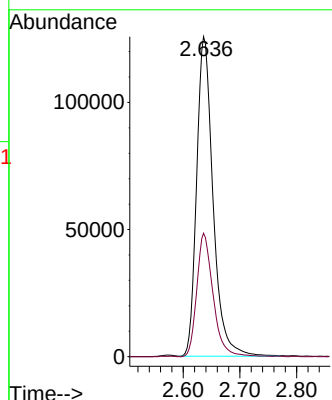
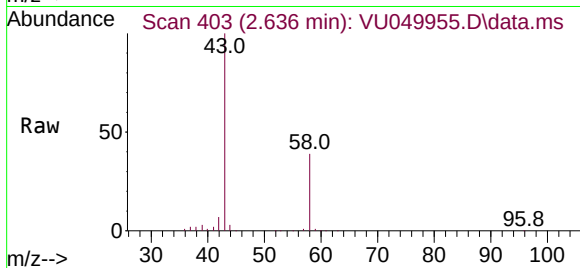
VSTD020048

Tgt Ion: 43 Resp: 252505

Ion Ratio Lower Upper

43 100

58 38.4 0.0 73.0



#14

Carbon disulfide

Concen: 17.221 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049955.D

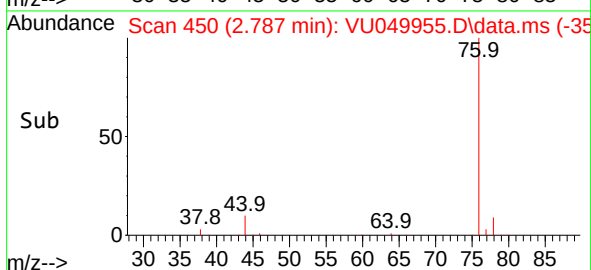
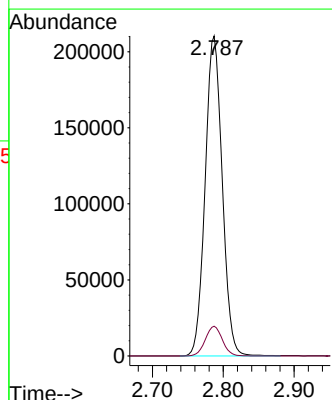
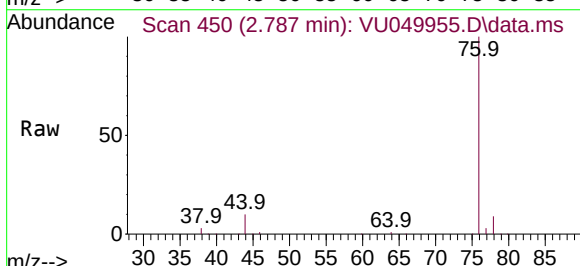
Acq: 27 Jul 2022 17:39

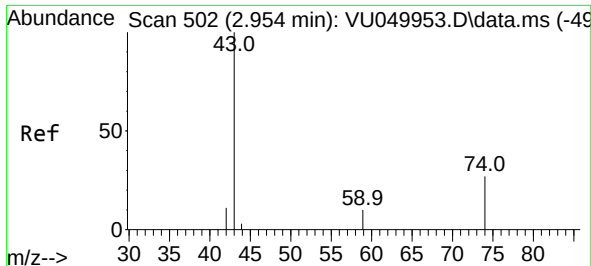
Tgt Ion: 76 Resp: 351883

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

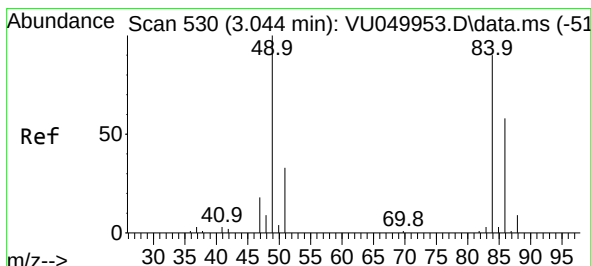
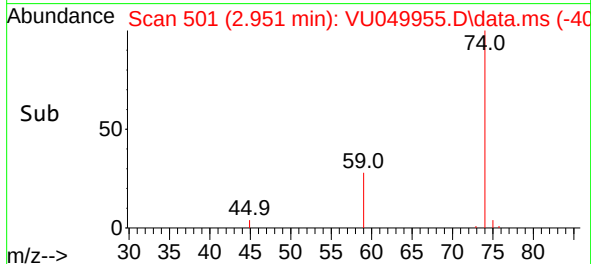
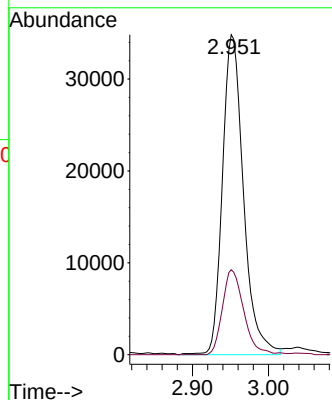
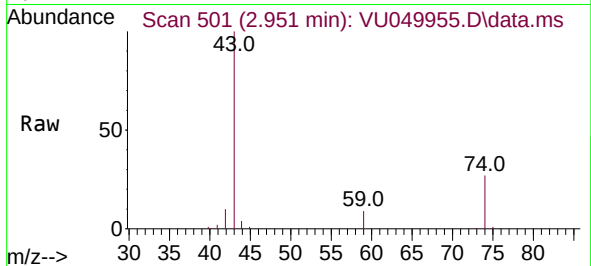




#15
Methyl Acetate
Concen: 19.579 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

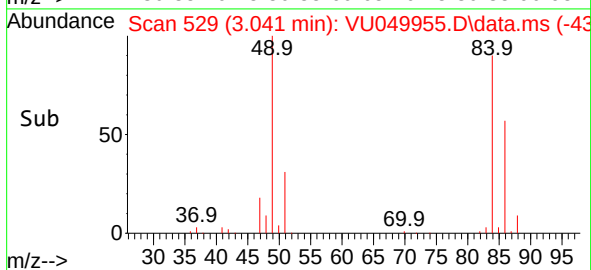
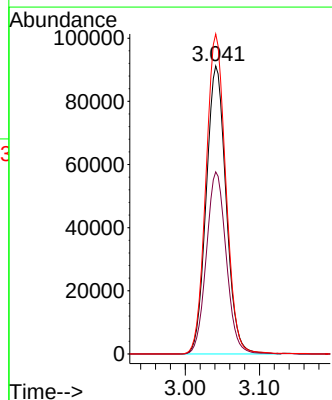
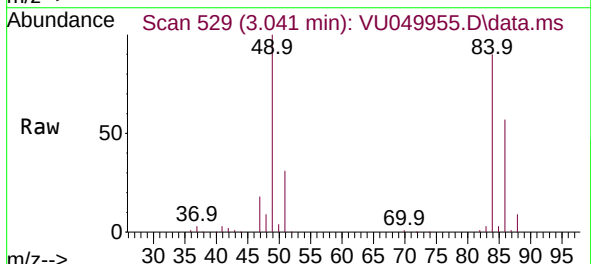
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

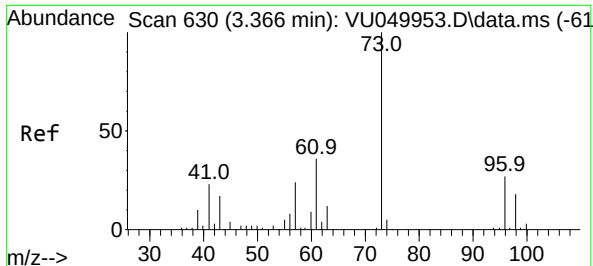
Tgt Ion: 43 Resp: 66879
Ion Ratio Lower Upper
43 100
74 26.7 21.6 32.4



#16
Methylene chloride
Concen: 19.539 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion: 84 Resp: 169175
Ion Ratio Lower Upper
84 100
86 63.2 45.2 84.0
49 111.1 77.6 144.0

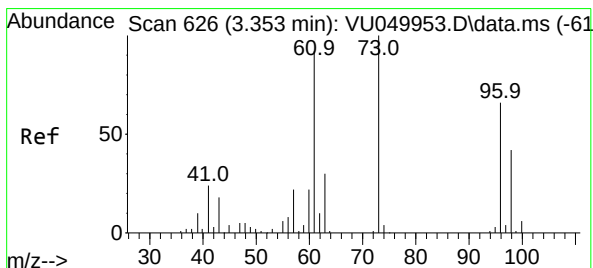
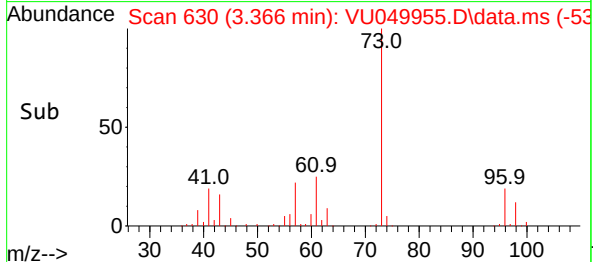
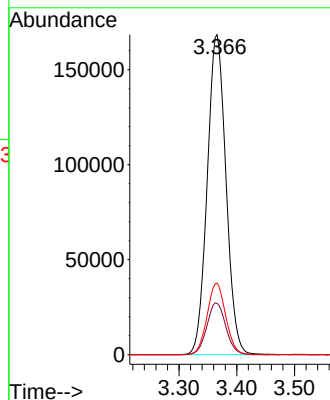
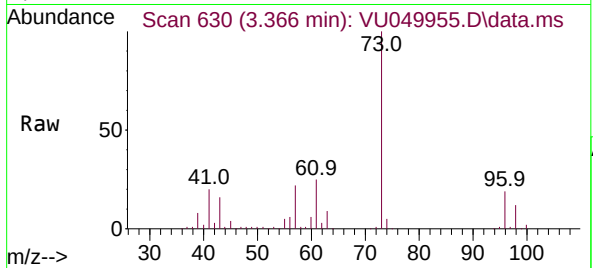




#17
Methyl tert-butyl Ether
Concen: 20.203 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

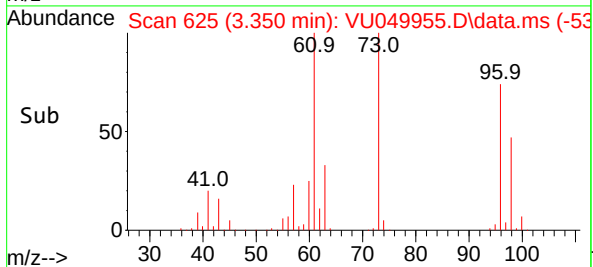
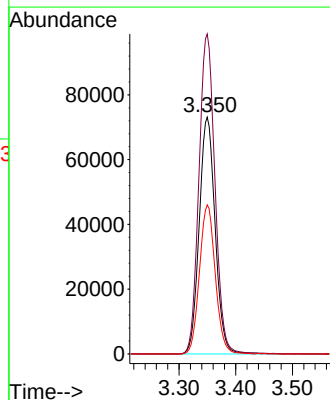
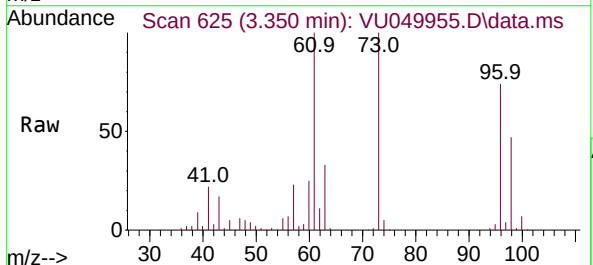
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

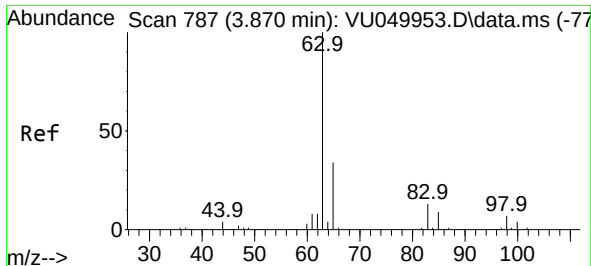
Tgt Ion: 73 Resp: 380214
Ion Ratio Lower Upper
73 100
43 16.4 13.8 20.6
57 22.2 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 20.340 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion: 96 Resp: 142896
Ion Ratio Lower Upper
96 100
61 135.1 98.0 182.0
98 63.0 44.5 82.7





#19

1,1-Dichloroethane

Concen: 20.440 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020048

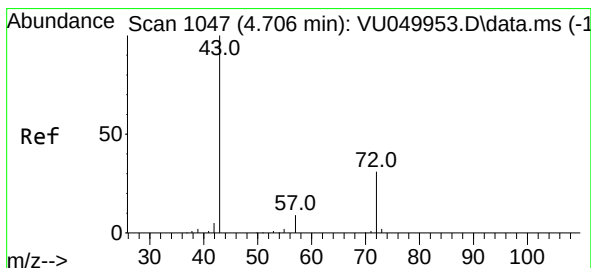
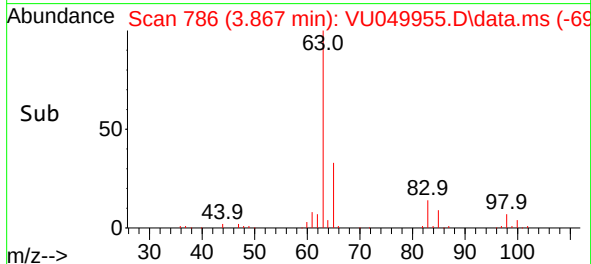
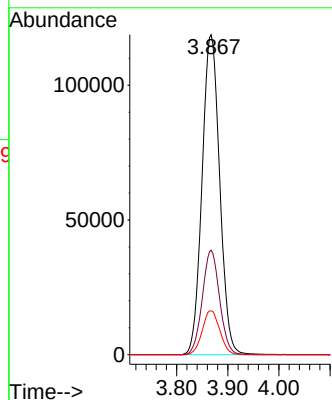
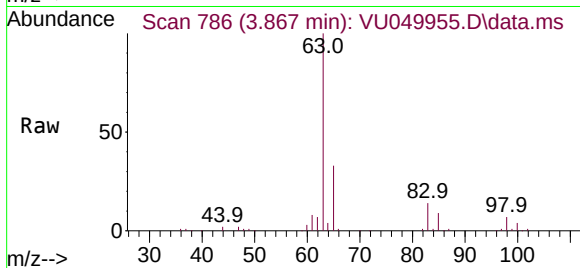
Tgt Ion: 63 Resp: 284608

Ion Ratio Lower Upper

63 100

65 32.6 23.4 43.6

83 13.7 9.4 17.4



#21

2-Butanone

Concen: 187.907 ug/L

RT: 4.707 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU049955.D

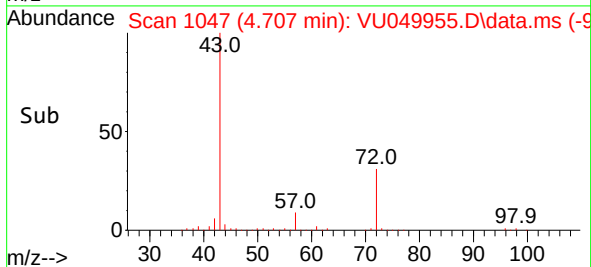
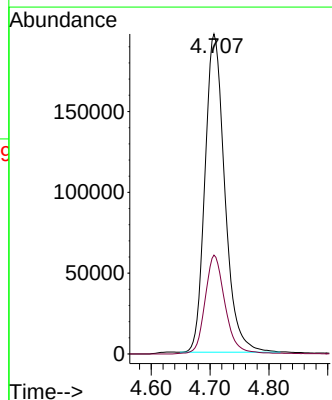
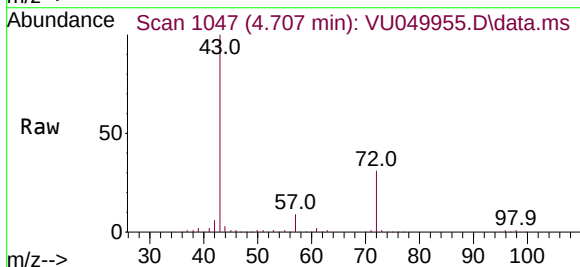
Acq: 27 Jul 2022 17:39

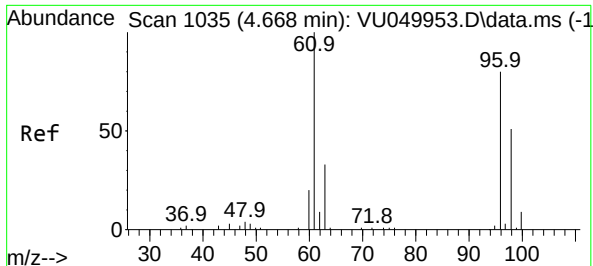
Tgt Ion: 43 Resp: 462406

Ion Ratio Lower Upper

43 100

72 31.4 15.8 47.3



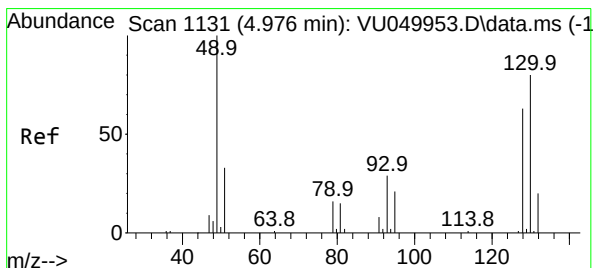
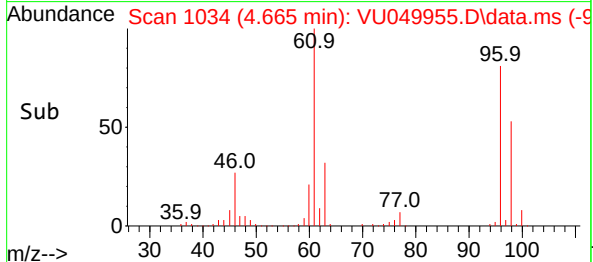
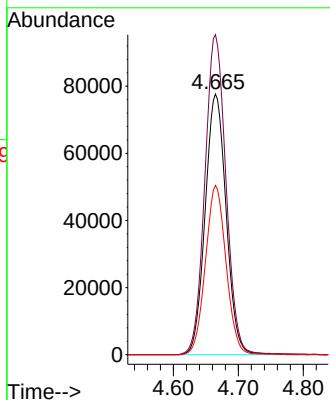
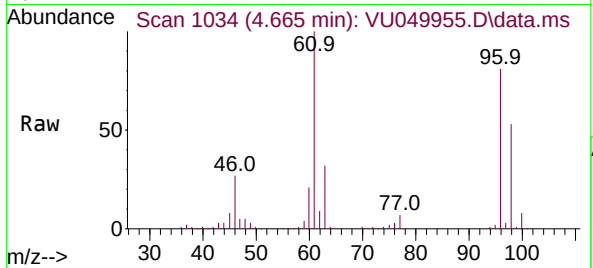


#22
 cis-1,2-Dichloroethene
 Concen: 21.831 ug/L
 RT: 4.665 min Scan# 1130
 Delta R.T. -0.003 min
 Lab File: VU049955.D
 Acq: 27 Jul 2022 17:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020048

Tgt Ion: 96 Resp: 174861

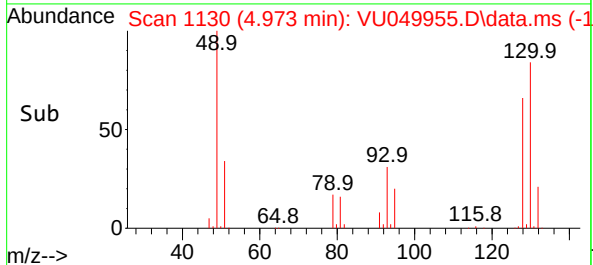
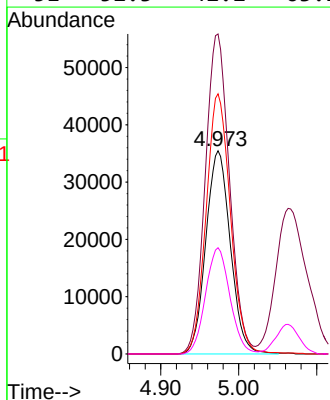
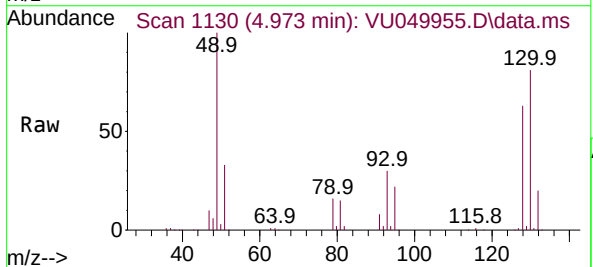
Ion	Ratio	Lower	Upper
96	100		
61	122.8	87.2	161.9
98	64.9	44.7	83.1

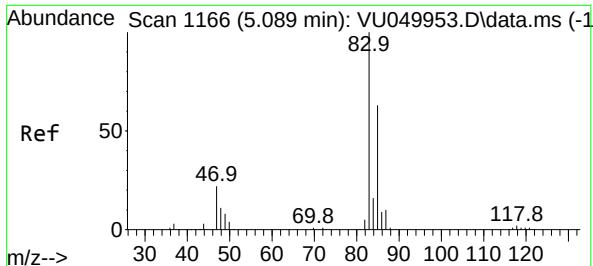


#23
 Bromochloromethane
 Concen: 22.363 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.003 min
 Lab File: VU049955.D
 Acq: 27 Jul 2022 17:39

Tgt Ion: 128 Resp: 77439

Ion	Ratio	Lower	Upper
128	100		
49	157.5	111.4	207.0
130	128.1	88.7	164.7
51	52.3	42.2	63.2





#25

Chloroform

Concen: 21.016 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

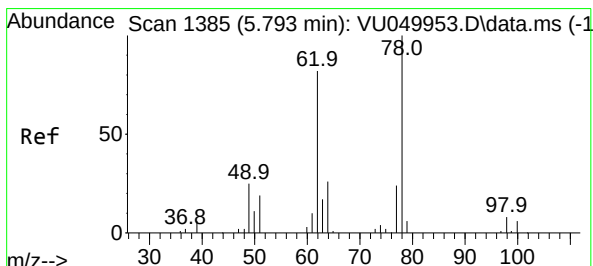
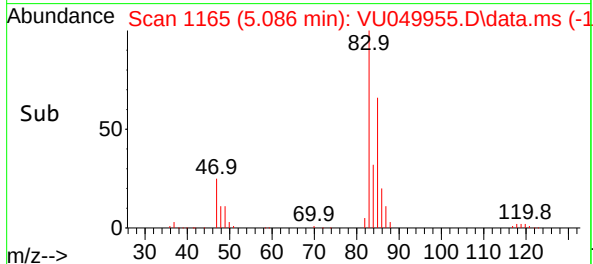
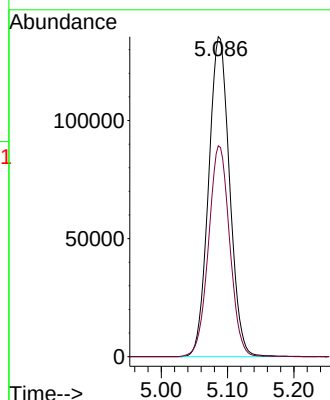
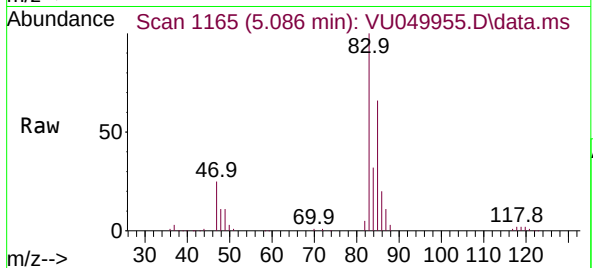
VSTD020048

Tgt Ion: 83 Resp: 298468

Ion Ratio Lower Upper

83 100

85 65.9 44.4 82.4



#27

1,2-Dichloroethane

Concen: 19.364 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049955.D

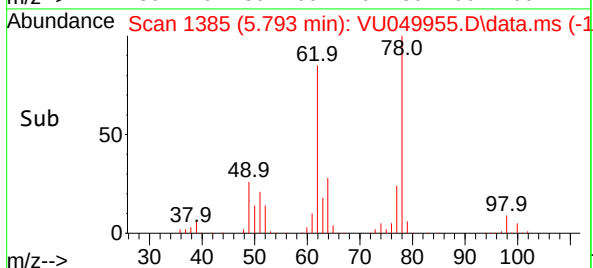
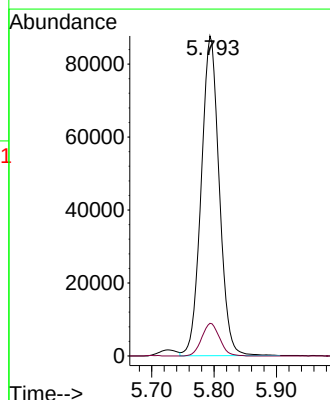
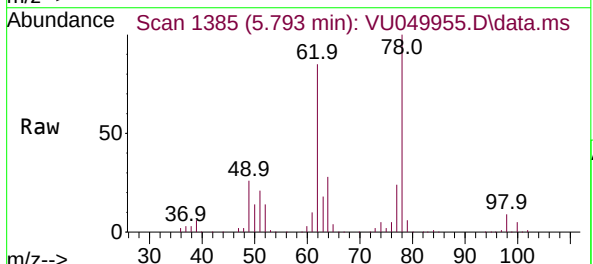
Acq: 27 Jul 2022 17:39

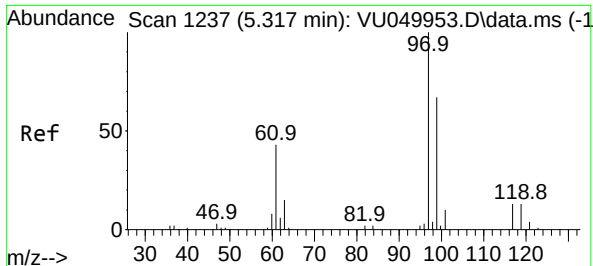
Tgt Ion: 62 Resp: 176224

Ion Ratio Lower Upper

62 100

98 10.2 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 18.820 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020048

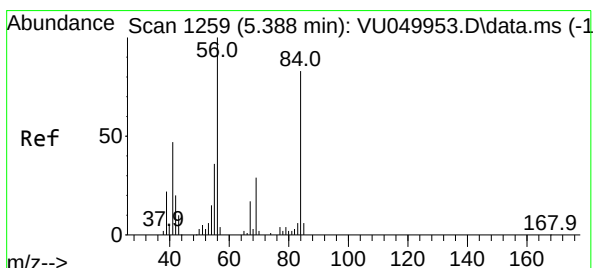
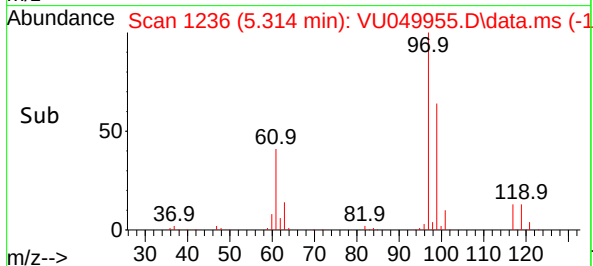
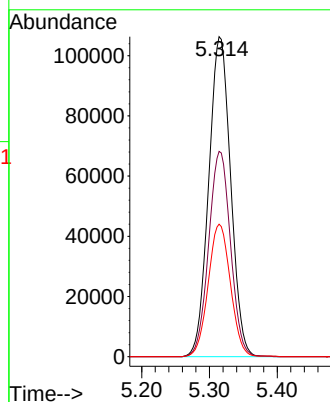
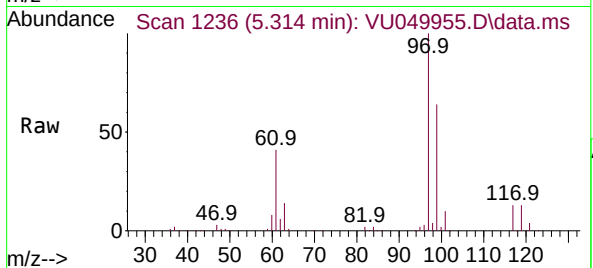
Tgt Ion: 97 Resp: 238900

Ion Ratio Lower Upper

97 100

99 64.0 52.0 78.0

61 41.9 35.0 52.6



#30

Cyclohexane

Concen: 15.548 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

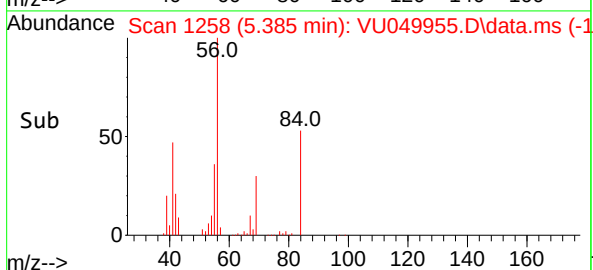
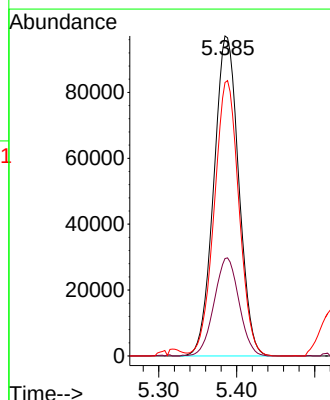
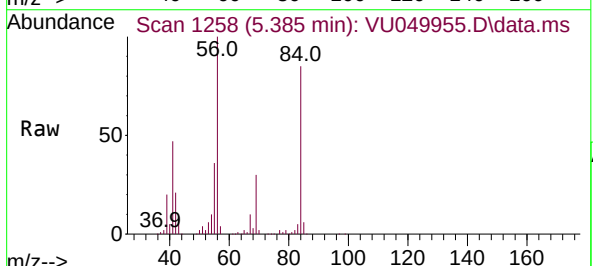
Tgt Ion: 56 Resp: 215672

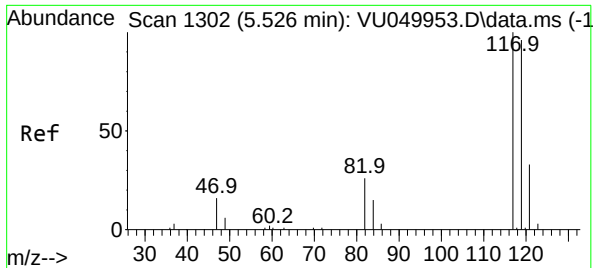
Ion Ratio Lower Upper

56 100

69 30.6 25.1 37.7

84 85.3 70.1 105.1

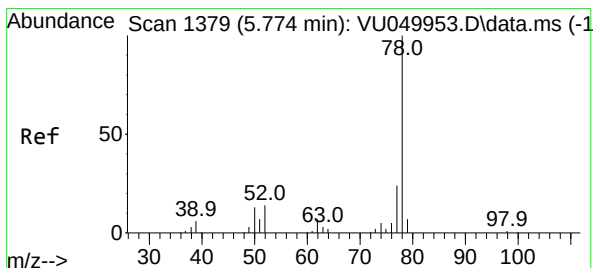
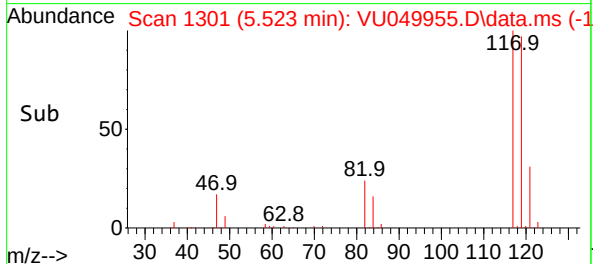
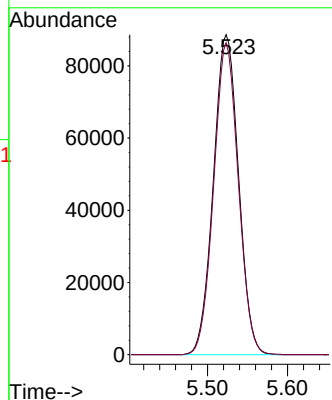
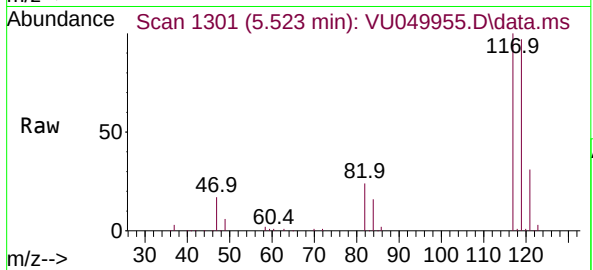




#31
Carbon tetrachloride
Concen: 18.277 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

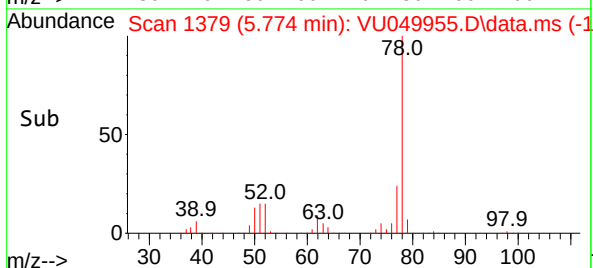
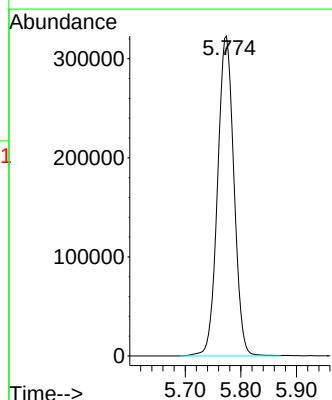
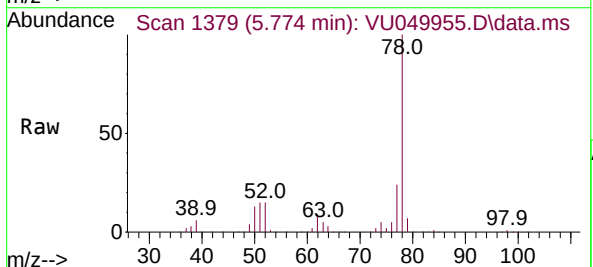
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

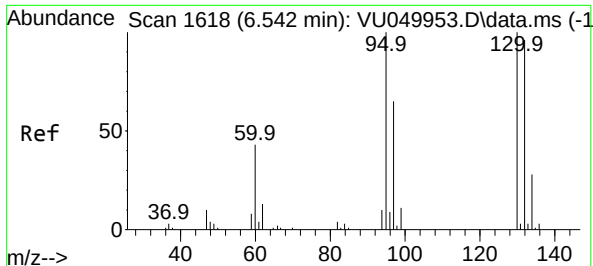
Tgt Ion:117 Resp: 193542
Ion Ratio Lower Upper
117 100
119 95.4 77.8 116.6



#33
Benzene
Concen: 20.548 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion: 78 Resp: 659374

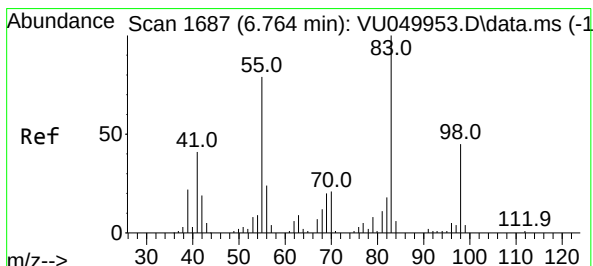
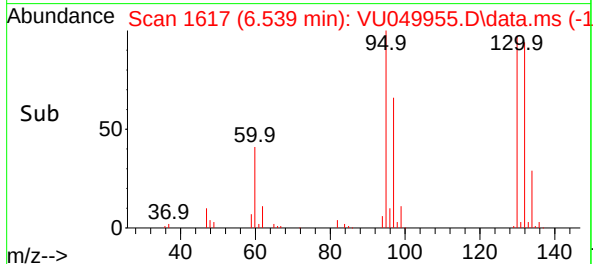
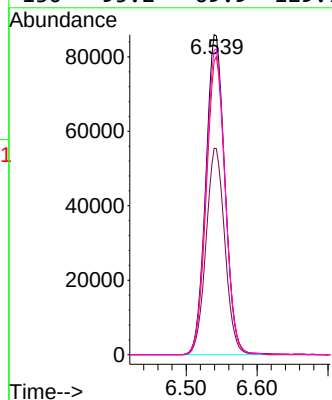
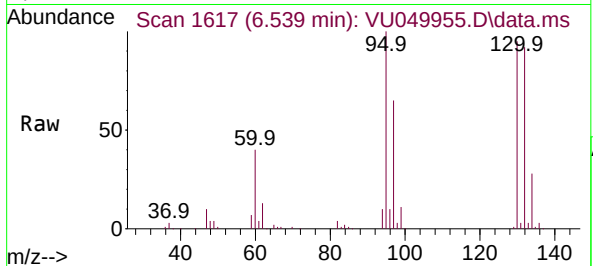




#34
Trichloroethene
Concen: 19.770 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

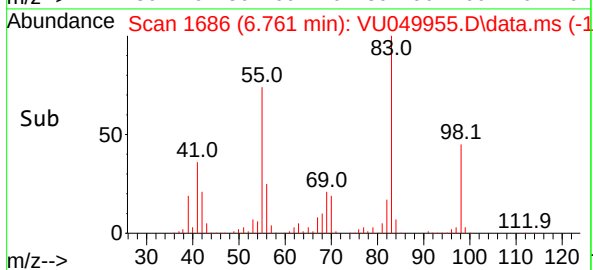
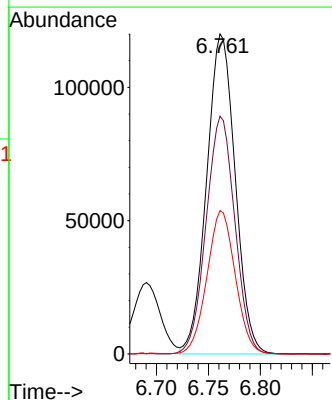
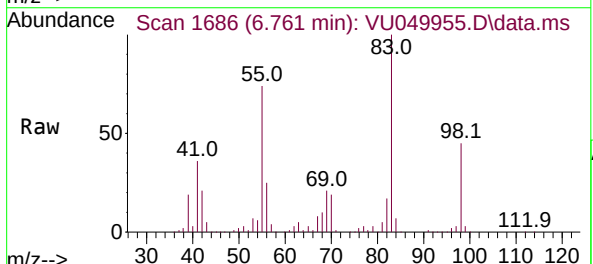
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

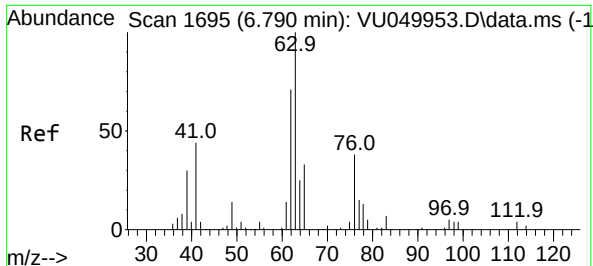
Tgt Ion: 95 Resp: 160471
Ion Ratio Lower Upper
95 100
97 64.5 45.6 84.8
132 91.8 66.8 124.2
130 95.2 69.9 129.7



#35
Methylcyclohexane
Concen: 17.401 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion: 83 Resp: 229470
Ion Ratio Lower Upper
83 100
55 74.8 61.6 92.4
98 44.5 34.8 52.2





#37

1,2-Dichloropropane

Concen: 20.276 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

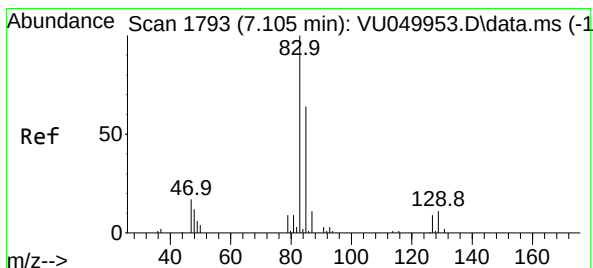
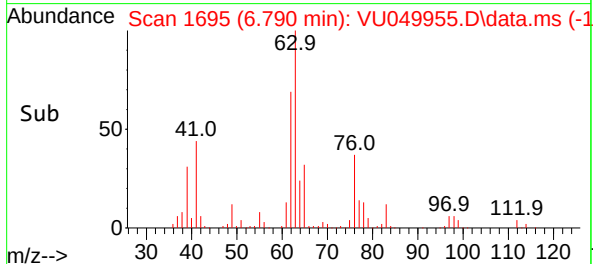
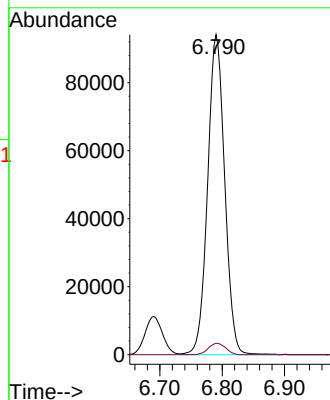
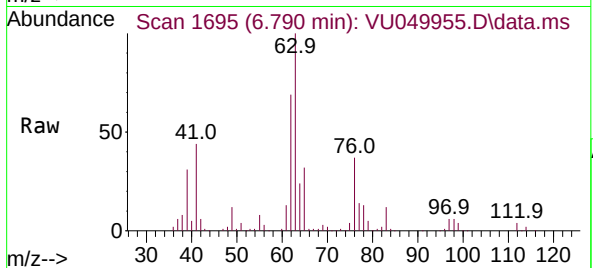
VSTD020048

Tgt Ion: 63 Resp: 178937

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.6



#38

Bromodichloromethane

Concen: 20.565 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

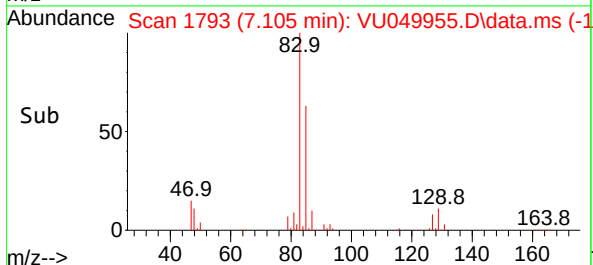
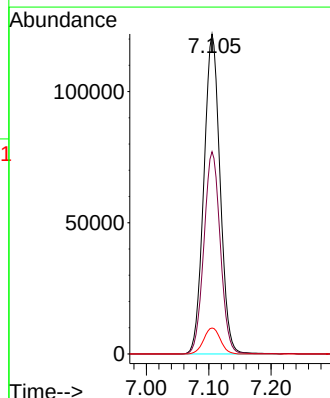
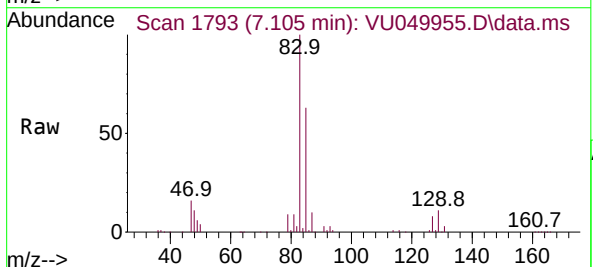
Tgt Ion: 83 Resp: 220468

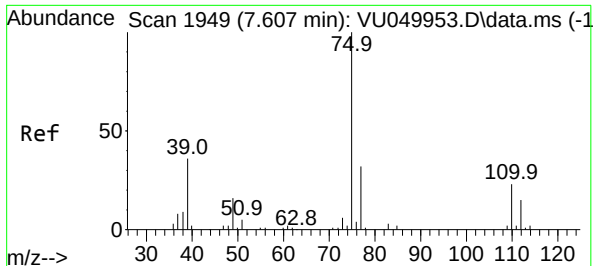
Ion Ratio Lower Upper

83 100

85 63.2 44.9 83.5

127 8.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 19.606 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

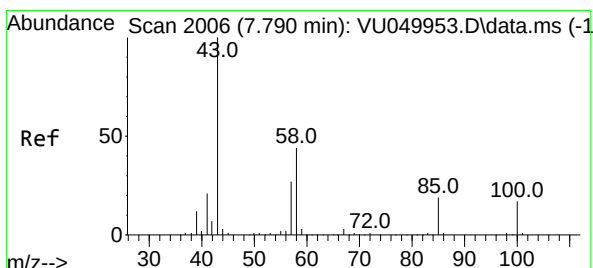
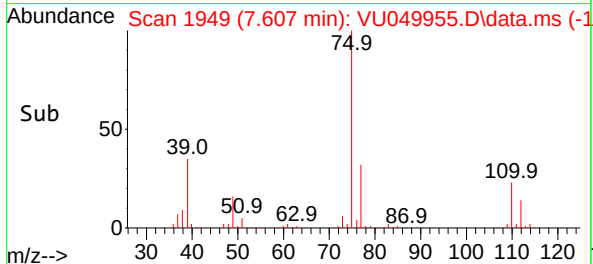
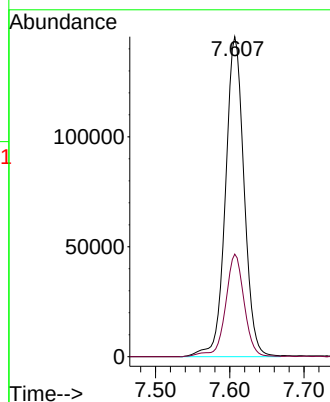
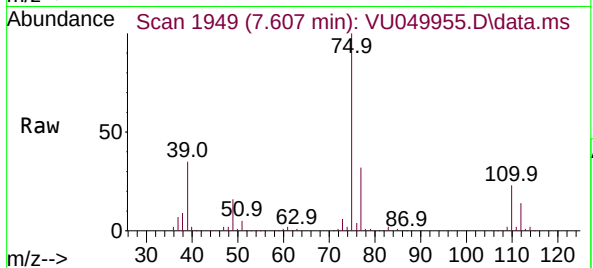
VSTD020048

Tgt Ion: 75 Resp: 253704

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 177.076 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

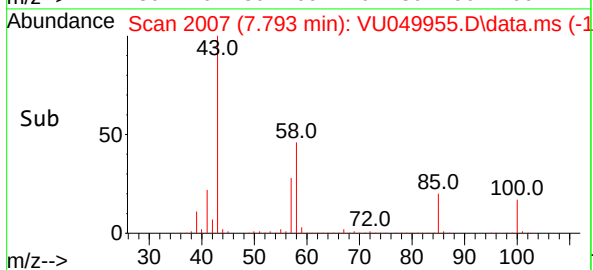
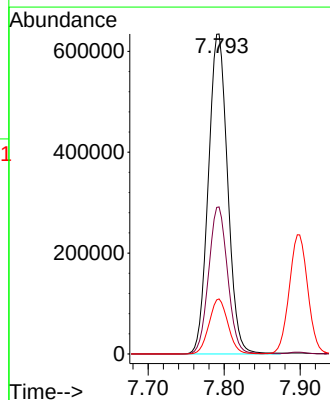
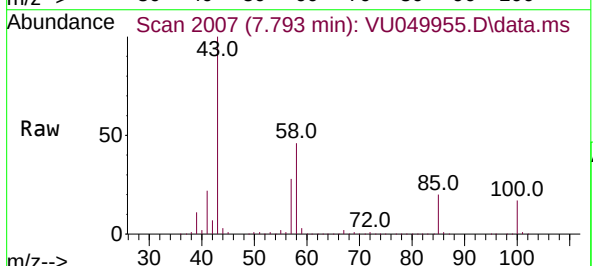
Tgt Ion: 43 Resp: 1115453

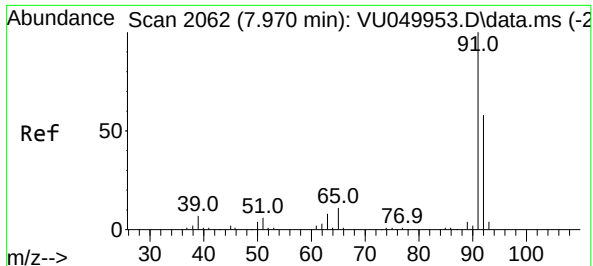
Ion Ratio Lower Upper

43 100

58 45.5 35.5 53.3

100 16.9 13.2 19.8

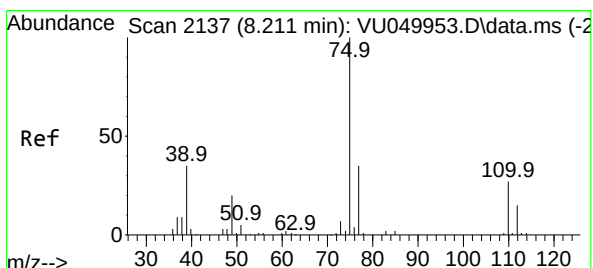
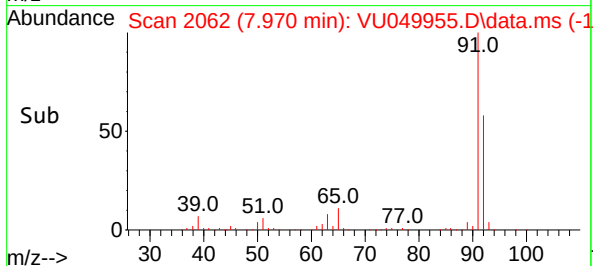
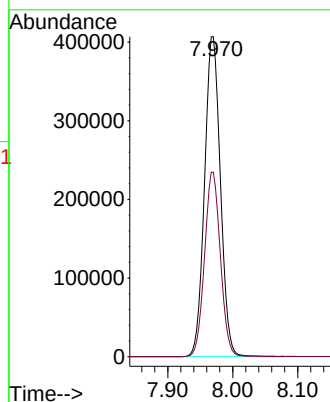
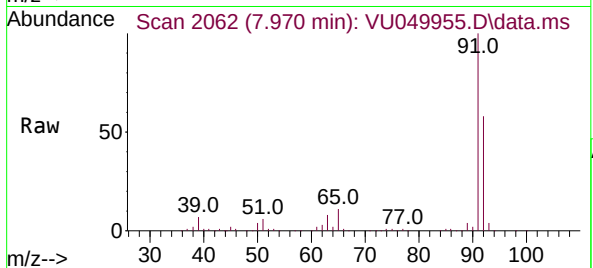




#42
Toluene
Concen: 20.458 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

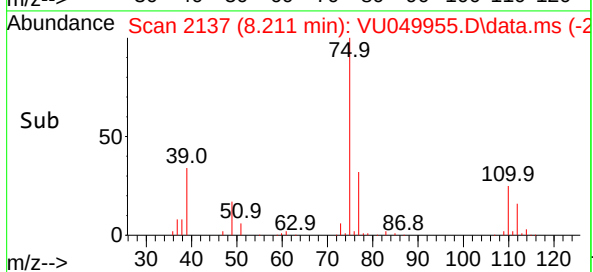
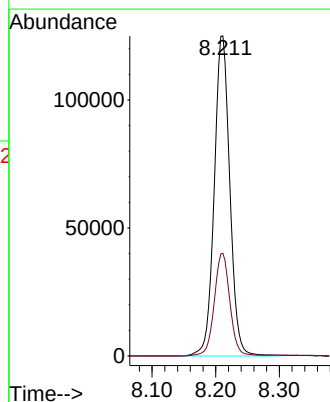
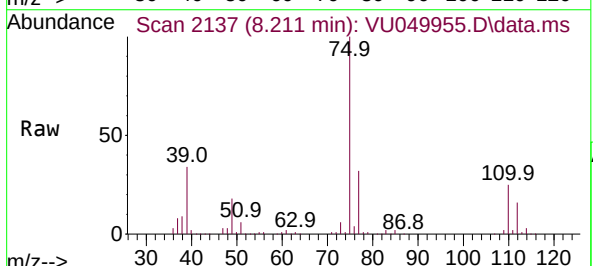
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

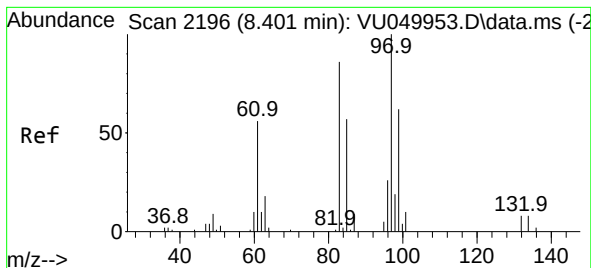
Tgt Ion: 91 Resp: 693880
Ion Ratio Lower Upper
91 100
92 57.6 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 18.954 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion: 75 Resp: 212853
Ion Ratio Lower Upper
75 100
77 32.1 24.1 44.8





#45

1,1,2-Trichloroethane

Concen: 21.268 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.000 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020048

Tgt Ion: 97 Resp: 133624

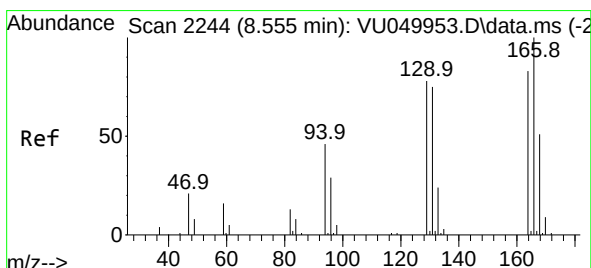
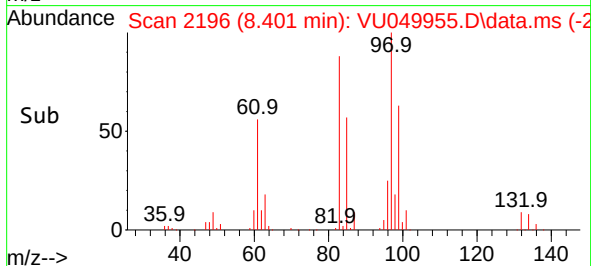
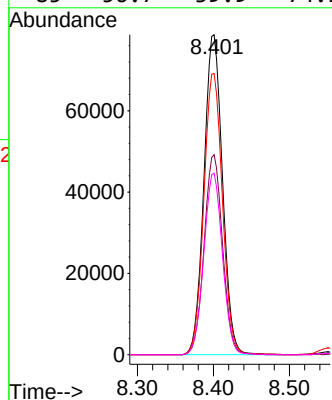
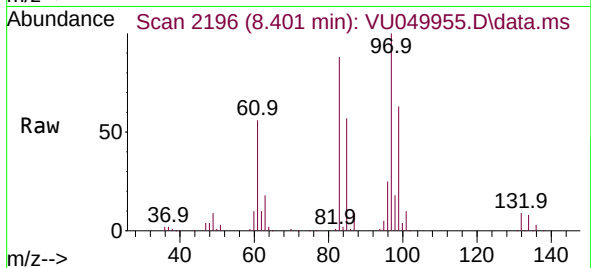
Ion Ratio Lower Upper

97 100

99 62.5 43.5 80.9

83 87.9 59.9 111.3

85 56.7 39.9 74.1



#47

Tetrachloroethene

Concen: 20.095 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Tgt Ion:164 Resp: 113072

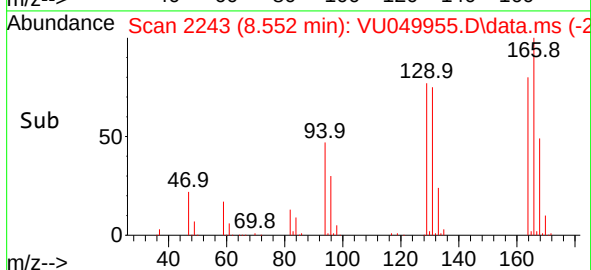
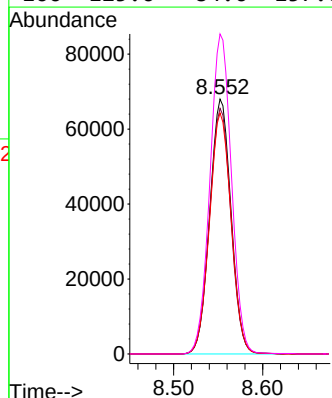
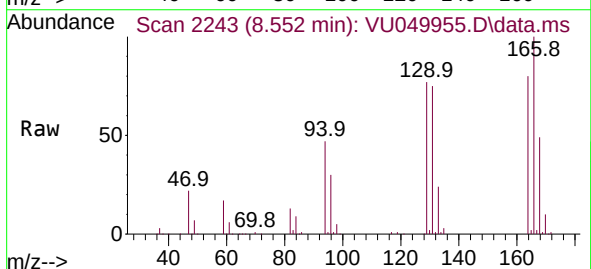
Ion Ratio Lower Upper

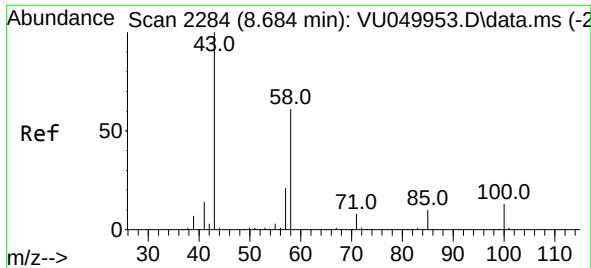
164 100

129 96.4 66.3 123.1

131 94.6 63.1 117.1

166 125.6 84.6 157.0

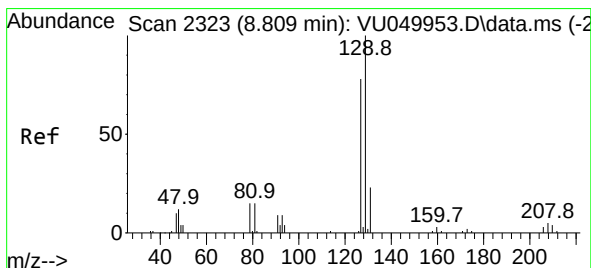
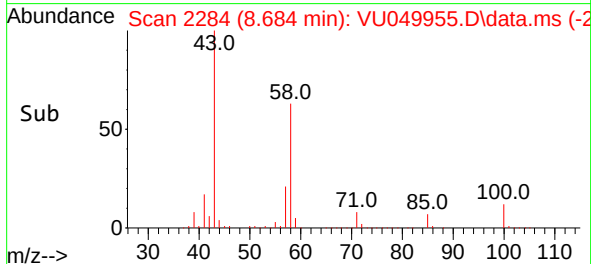
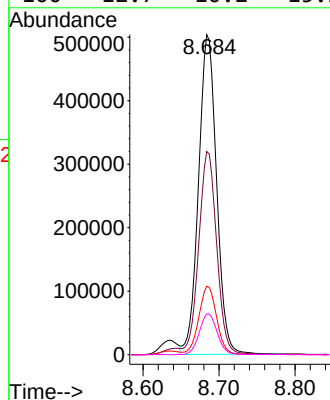
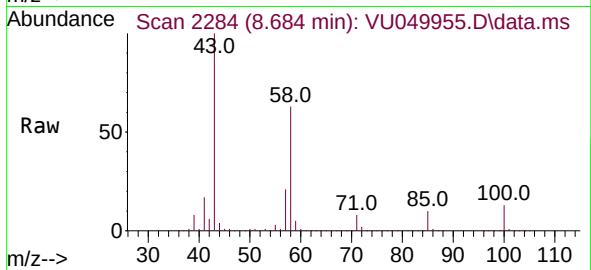




#48
2-Hexanone
Concen: 182.540 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

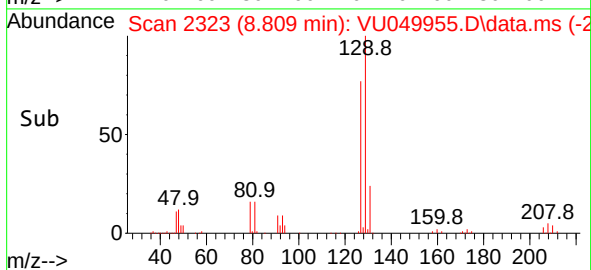
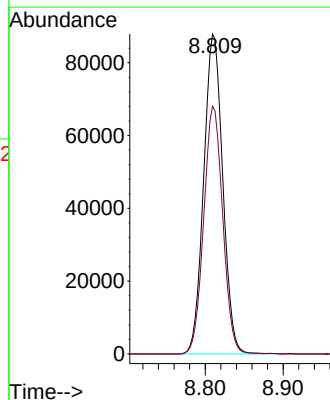
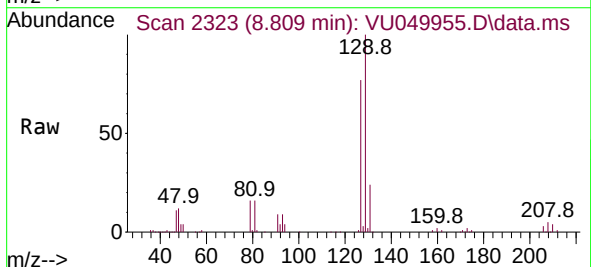
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

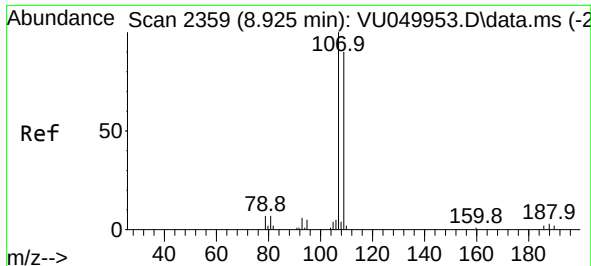
Tgt Ion:	43	Resp:	829495
Ion	Ratio	Lower	Upper
43	100		
58	63.4	49.4	74.0
57	21.1	17.0	25.4
100	12.7	10.2	15.2



#49
Dibromochloromethane
Concen: 21.107 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion:	129	Resp:	149100
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.5	101.1

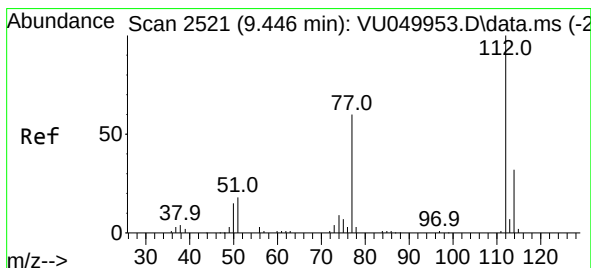
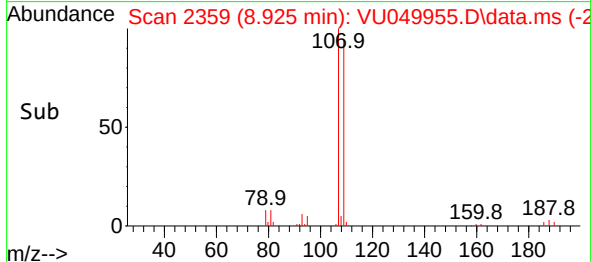
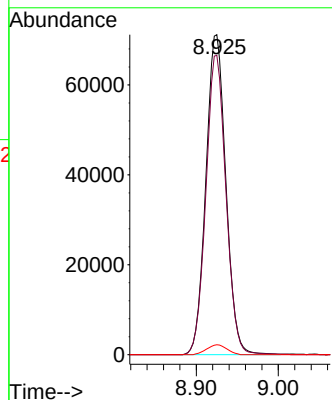
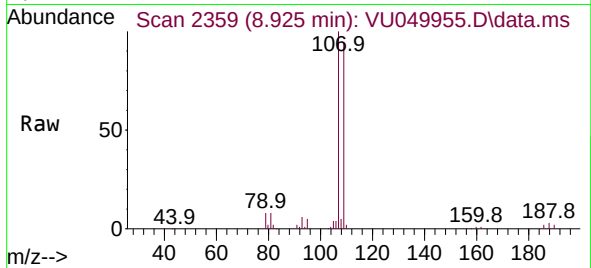




#50
1,2-Dibromoethane
Concen: 21.156 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

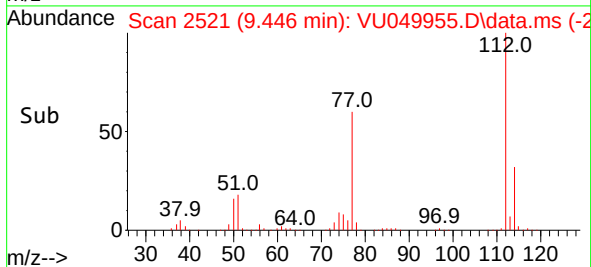
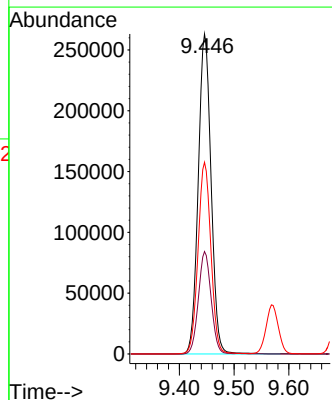
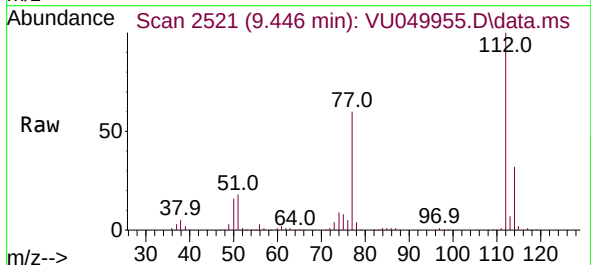
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

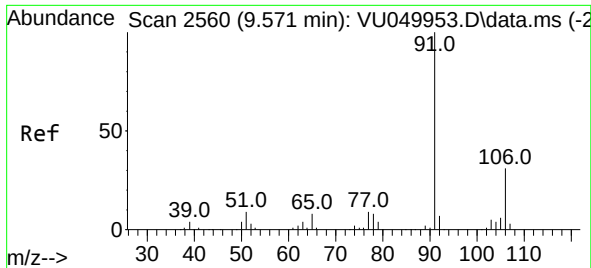
Tgt Ion:107 Resp: 120746
Ion Ratio Lower Upper
107 100
109 93.5 62.7 116.5
188 3.1 2.4 3.6



#51
Chlorobenzene
Concen: 20.633 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion:112 Resp: 427956
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 59.9 48.2 72.4

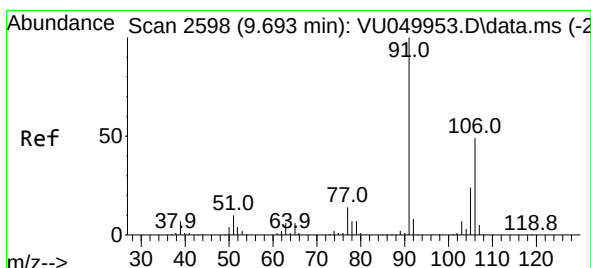
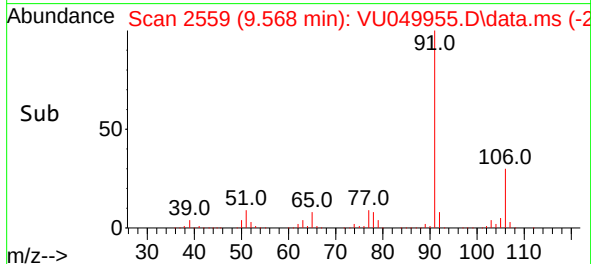
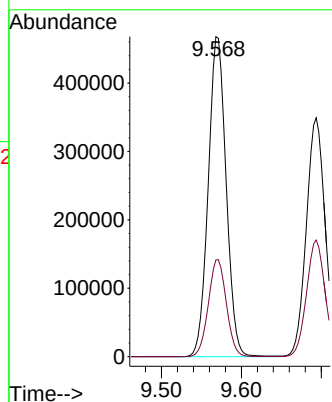
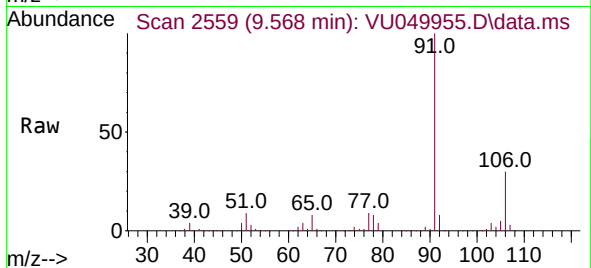




#52
Ethylbenzene
Concen: 20.113 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

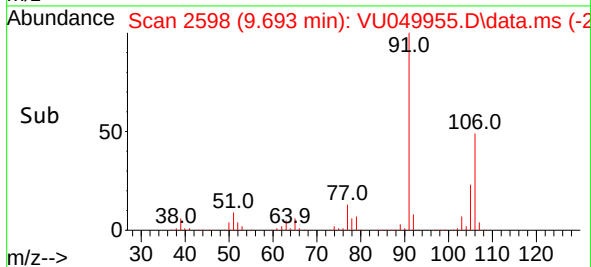
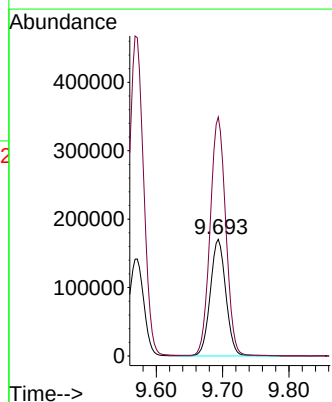
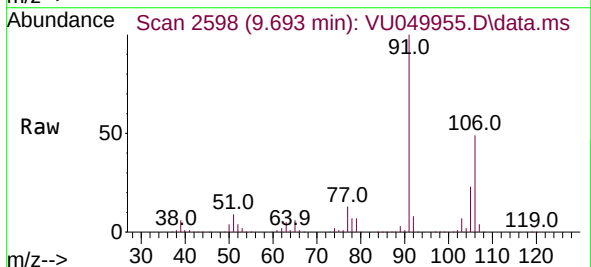
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

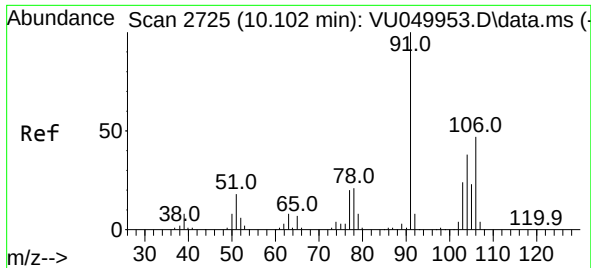
Tgt Ion: 91 Resp: 729017
Ion Ratio Lower Upper
91 100
106 30.3 21.6 40.0



#53
m,p-Xylene
Concen: 20.580 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion:106 Resp: 277530
Ion Ratio Lower Upper
106 100
91 204.7 142.4 264.4

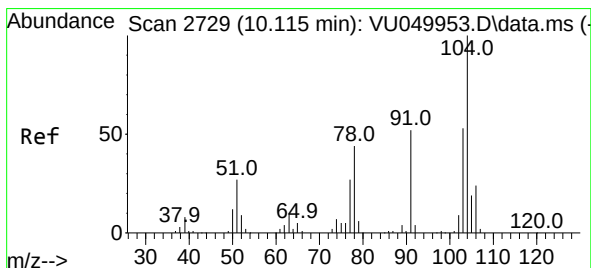
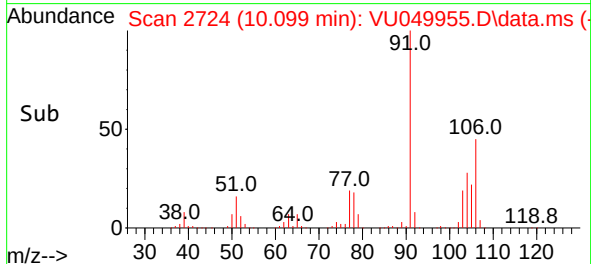
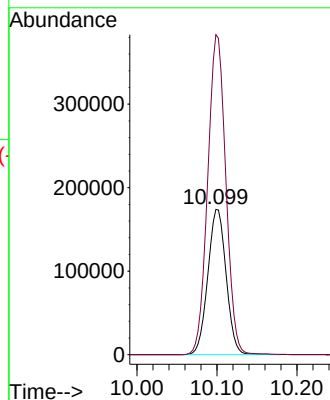
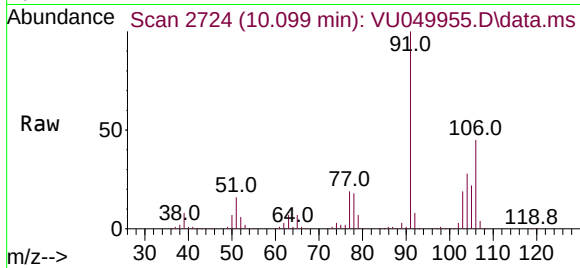




#54
o-Xylene
Concen: 20.695 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

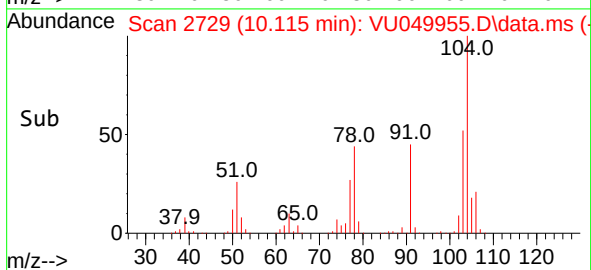
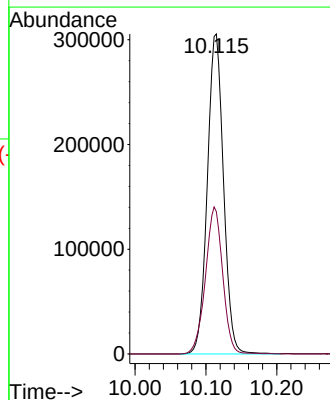
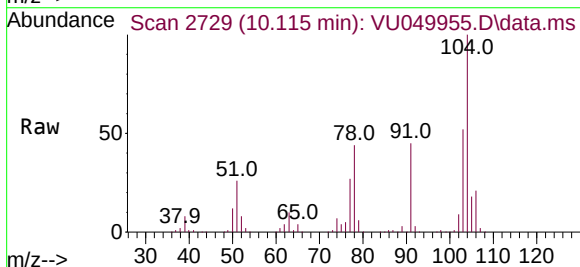
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

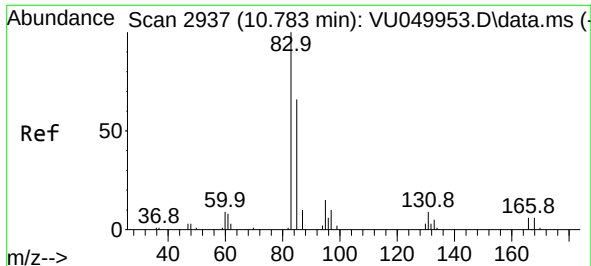
Tgt Ion:106 Resp: 277115
Ion Ratio Lower Upper
106 100
91 220.2 148.7 276.1



#55
Styrene
Concen: 21.514 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion:104 Resp: 484152
Ion Ratio Lower Upper
104 100
78 44.4 30.9 57.3

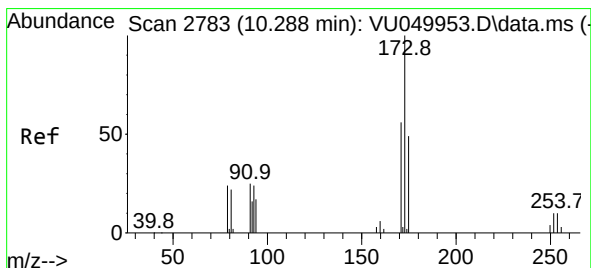
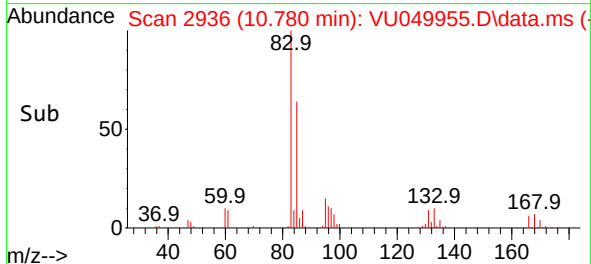
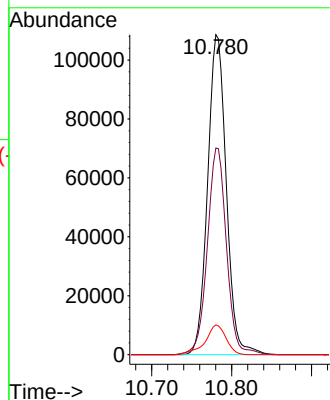
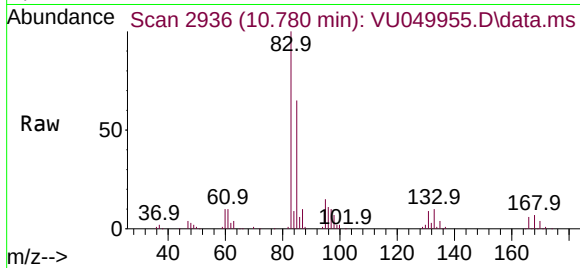




#57
1,1,2,2-Tetrachloroethane
Concen: 21.323 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

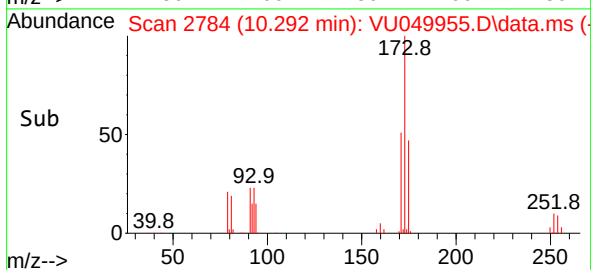
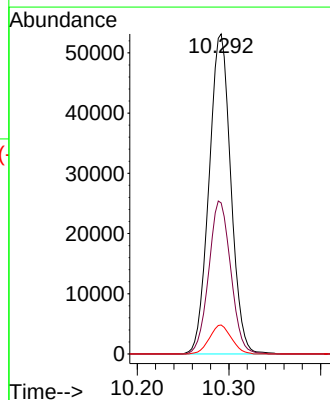
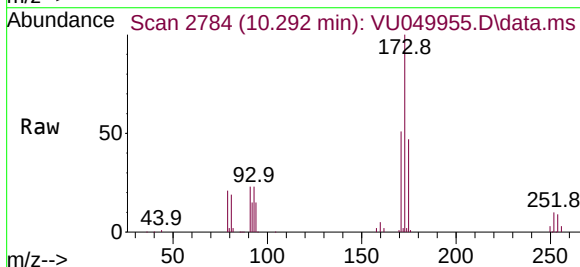
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

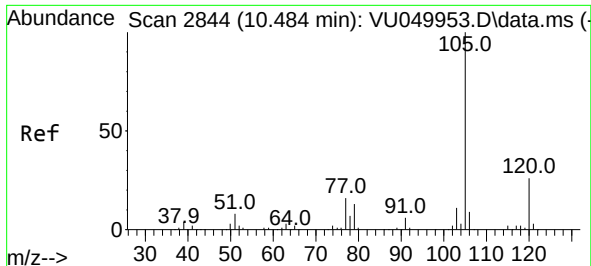
Tgt Ion: 83 Resp: 176349
Ion Ratio Lower Upper
83 100
85 64.6 46.6 86.6
131 9.3 7.9 11.9



#59
Bromoform
Concen: 21.427 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.003 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion: 173 Resp: 87736
Ion Ratio Lower Upper
173 100
175 48.2 39.1 58.7
254 9.1 7.5 11.3

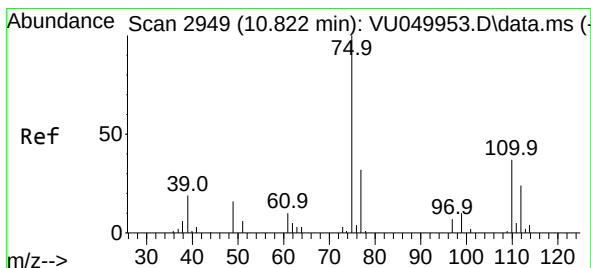
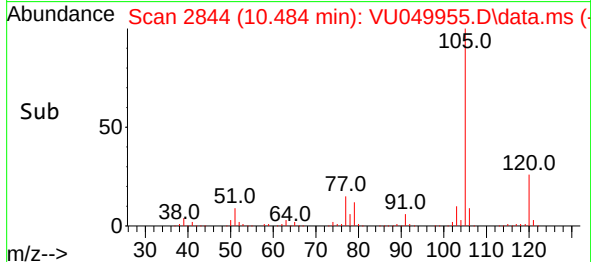
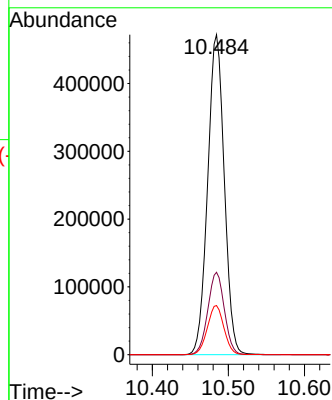
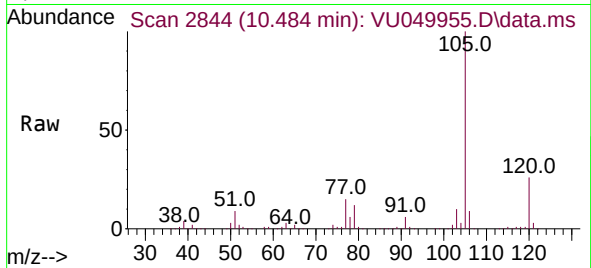




#60
Isopropylbenzene
Concen: 19.916 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

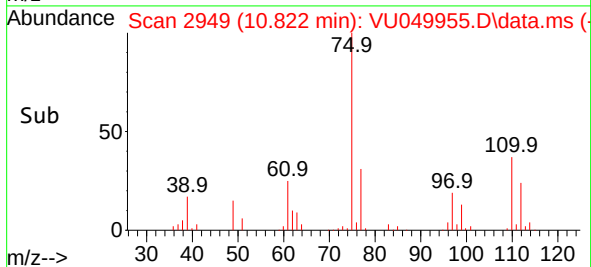
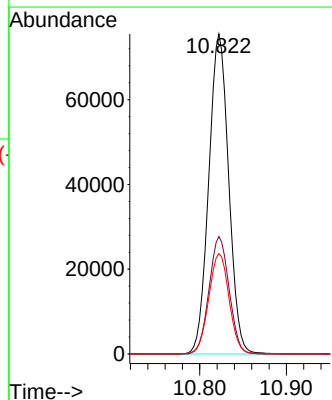
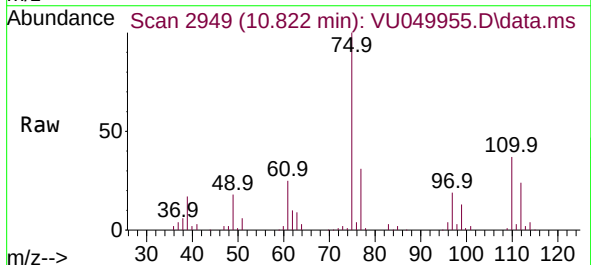
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

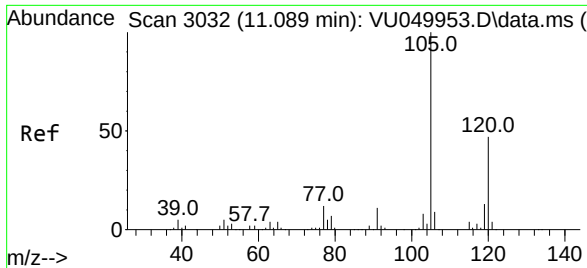
Tgt Ion:105 Resp: 715769
Ion Ratio Lower Upper
105 100
120 25.7 20.5 30.7
77 15.4 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 19.676 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion: 75 Resp: 120634
Ion Ratio Lower Upper
75 100
110 36.8 28.1 42.1
77 32.2 24.7 37.1

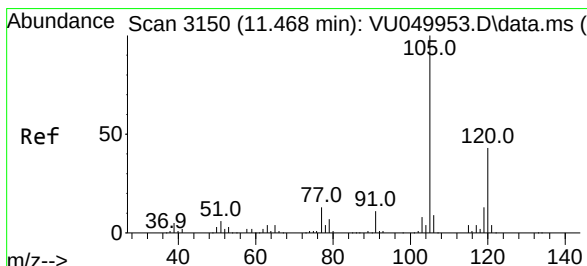
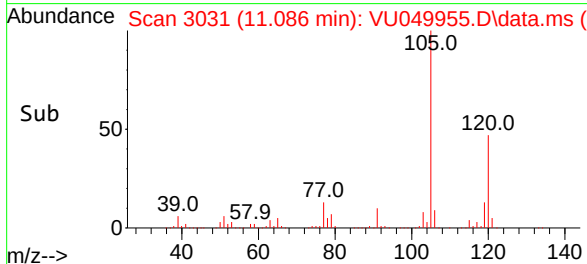
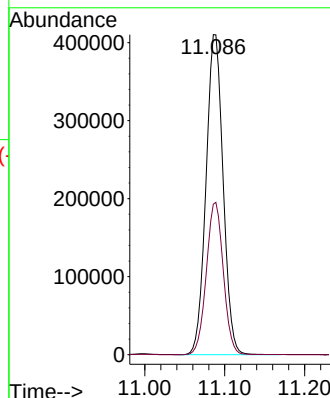
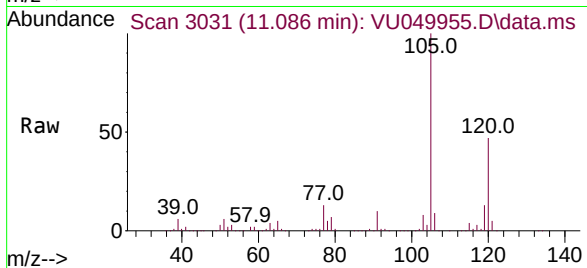




#62
 1,3,5-Trimethylbenzene
 Concen: 19.566 ug/L
 RT: 11.086 min Scan# 3032
 Delta R.T. -0.003 min
 Lab File: VU049955.D
 Acq: 27 Jul 2022 17:39

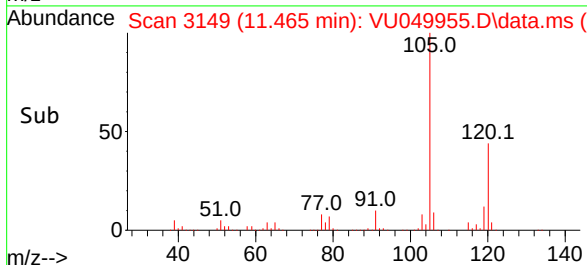
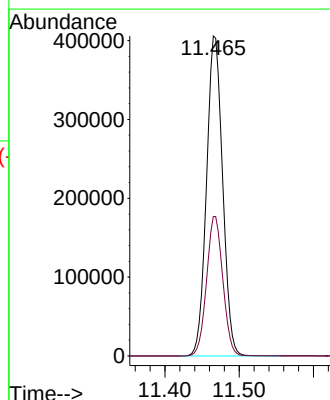
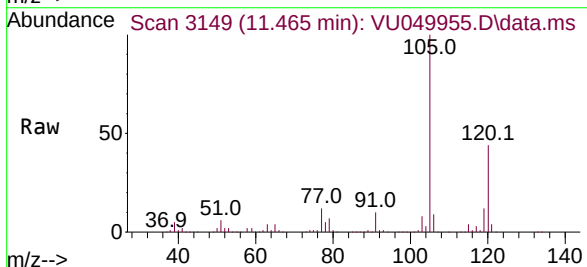
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020048

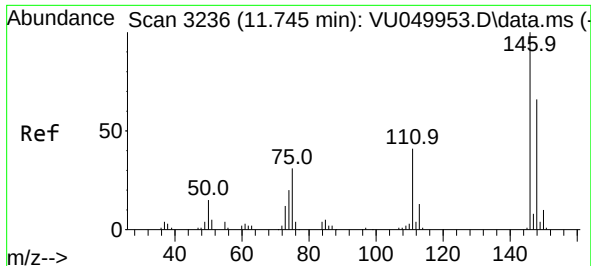
Tgt Ion:105 Resp: 610419
 Ion Ratio Lower Upper
 105 100
 120 47.3 38.2 57.4



#63
 1,2,4-Trimethylbenzene
 Concen: 19.828 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU049955.D
 Acq: 27 Jul 2022 17:39

Tgt Ion:105 Resp: 610015
 Ion Ratio Lower Upper
 105 100
 120 43.9 35.4 53.2

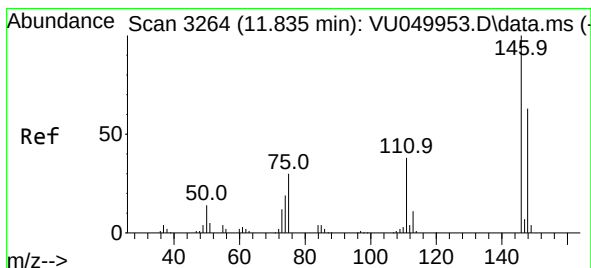
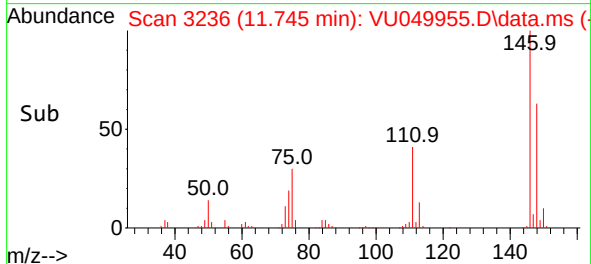
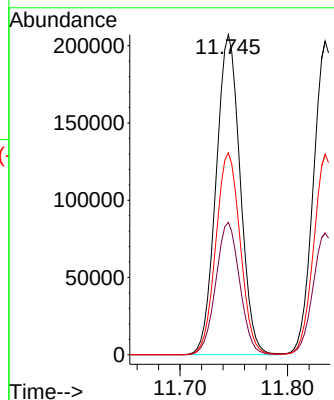
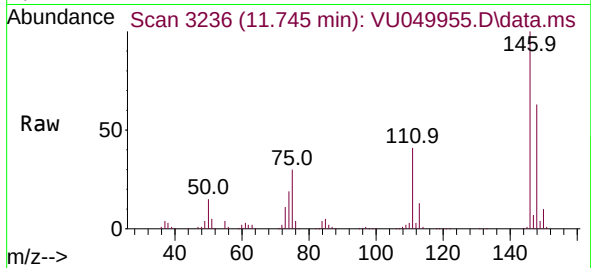




#64
1,3-Dichlorobenzene
Concen: 20.459 ug/L
RT: 11.745 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

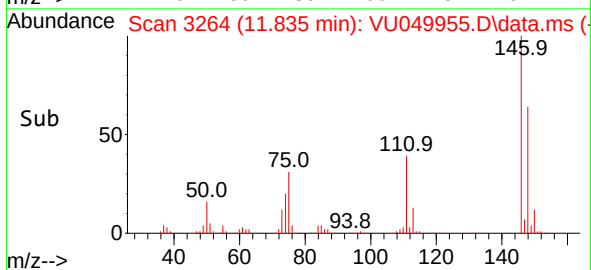
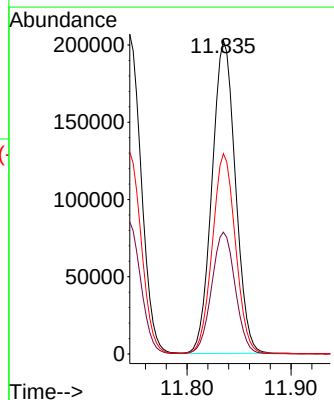
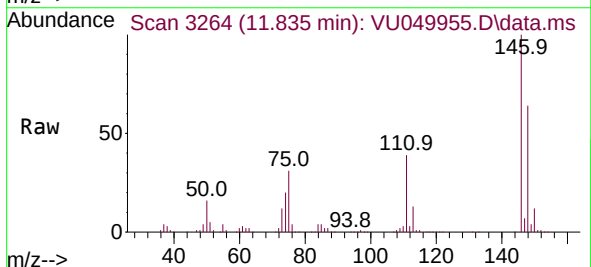
Instrument :
MSVOA_U
ClientSampleId :
VSTD020048

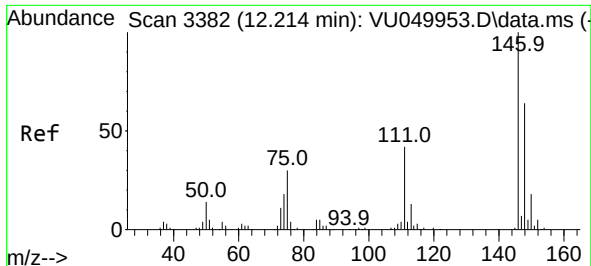
Tgt Ion:146 Resp: 322288
Ion Ratio Lower Upper
146 100
111 41.3 28.9 53.7
148 63.1 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 20.360 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049955.D
Acq: 27 Jul 2022 17:39

Tgt Ion:146 Resp: 316913
Ion Ratio Lower Upper
146 100
111 38.8 26.4 49.0
148 63.9 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 21.101 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020048

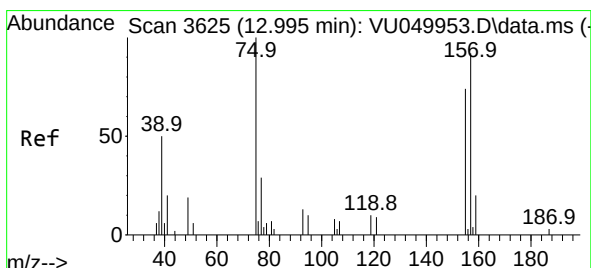
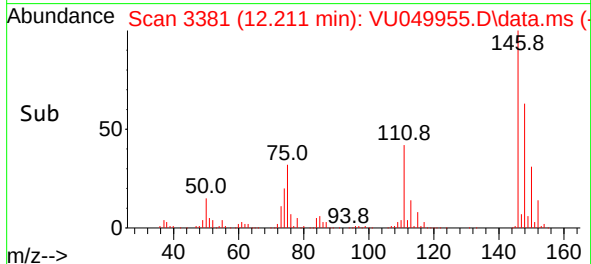
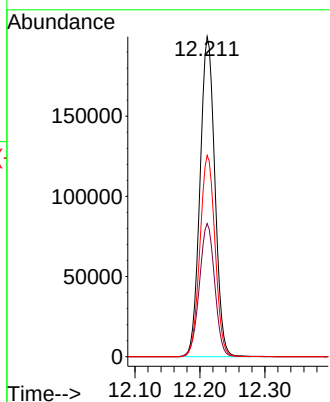
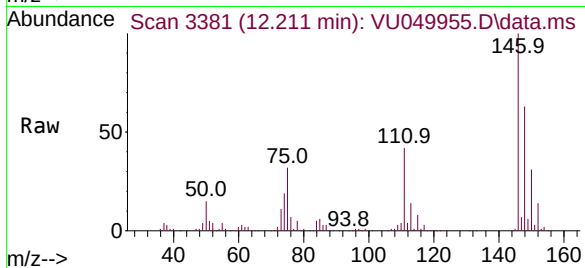
Tgt Ion:146 Resp: 318070

Ion Ratio Lower Upper

146 100

111 41.6 33.4 50.2

148 62.9 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 16.809 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

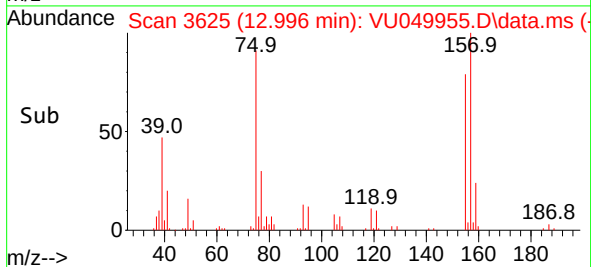
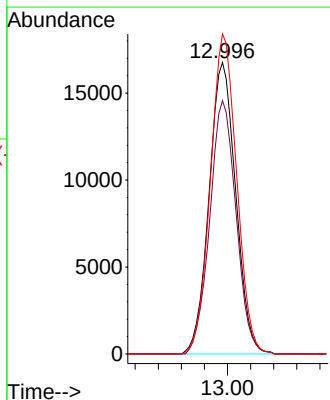
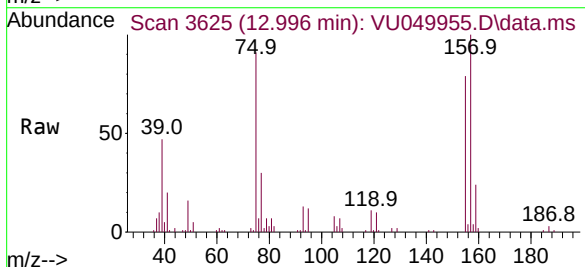
Tgt Ion: 75 Resp: 26864

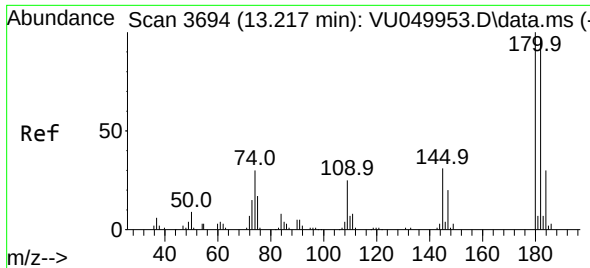
Ion Ratio Lower Upper

75 100

155 86.9 59.4 89.0

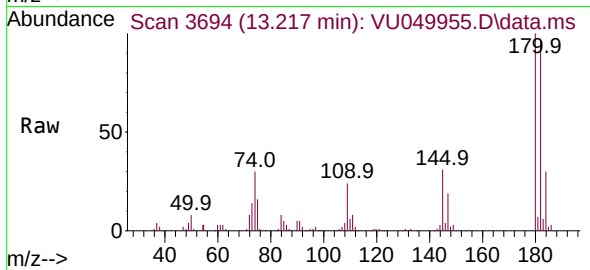
157 109.8 73.8 110.6



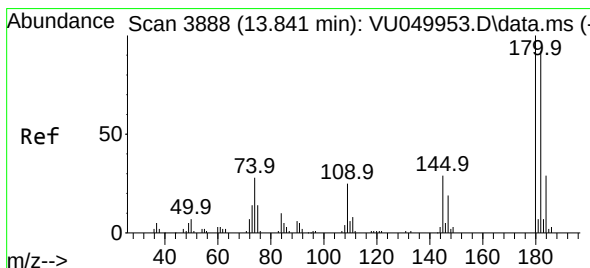
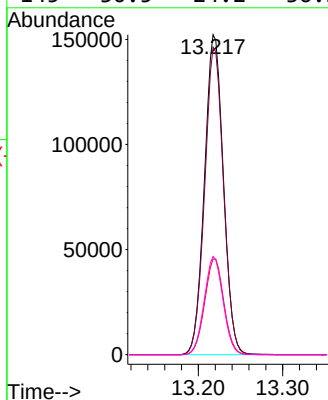
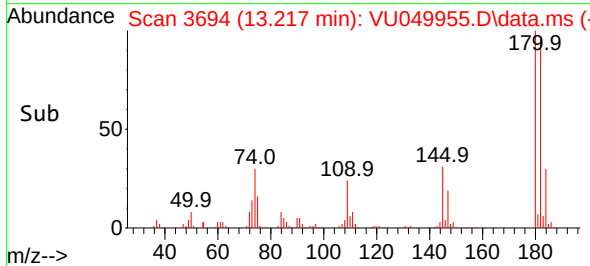


#69
 1,3,5-Trichlorobenzene
 Concen: 20.517 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU049955.D
 Acq: 27 Jul 2022 17:39

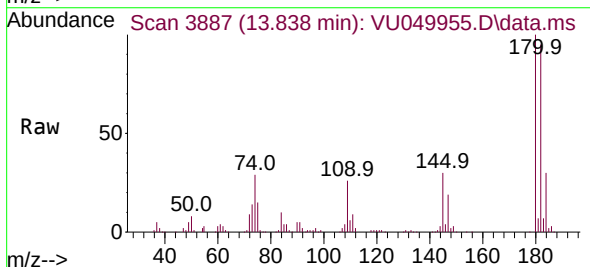
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020048



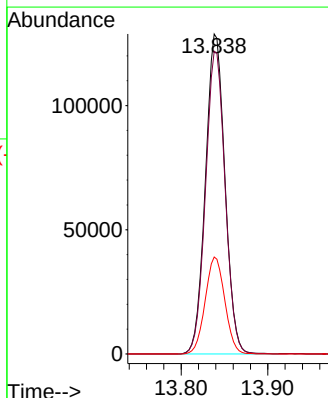
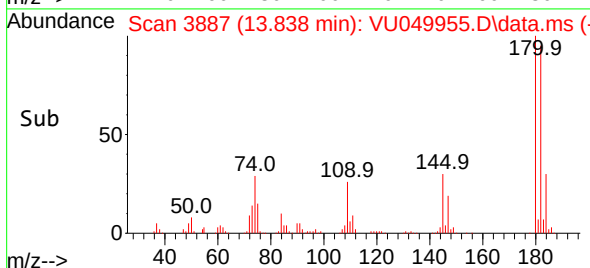
Tgt Ion:180 Resp: 238014
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.2 115.8
 184 30.3 23.9 35.9
 145 30.5 24.2 36.2

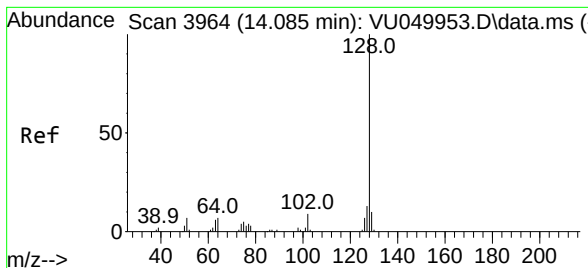


#70
 1,2,4-trichlorobenzene
 Concen: 21.826 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.003 min
 Lab File: VU049955.D
 Acq: 27 Jul 2022 17:39



Tgt Ion:180 Resp: 201412
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.8 113.6
 145 30.4 23.8 35.8





#71

Naphthalene

Concen: 23.688 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020048

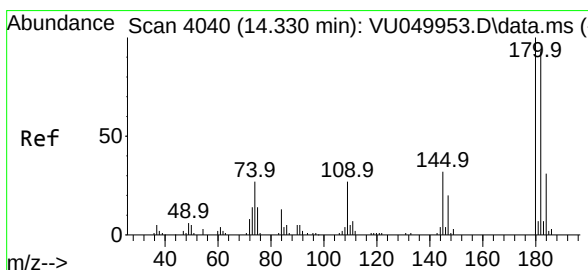
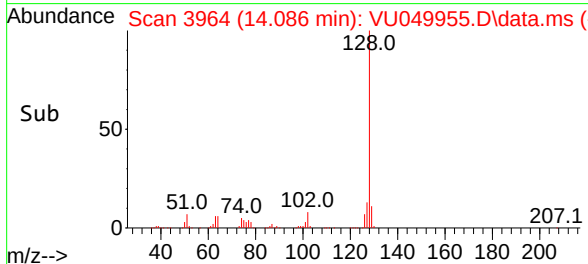
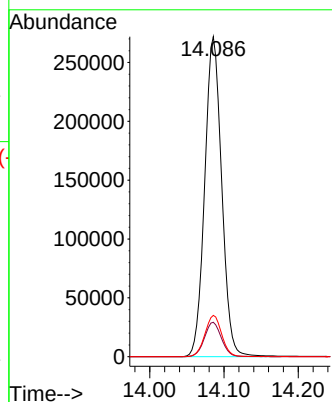
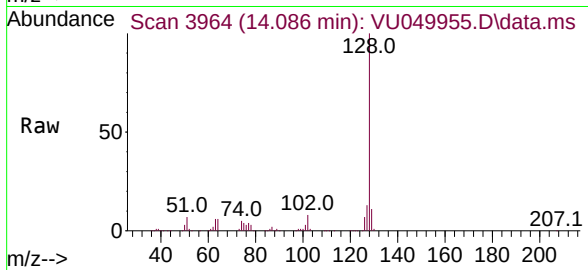
Tgt Ion:128 Resp: 431465

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

127 12.8 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 22.989 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU049955.D

Acq: 27 Jul 2022 17:39

Tgt Ion:180 Resp: 201591

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.4

145 32.8 26.3 39.5

