

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071222\
 Data File : U049695.D
 Acq On : 12 Jul 2022 15:44
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050160

Quant Time: Jul 13 06:54:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 13 06:51:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	215484	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	204299	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	105030	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	72479	39.864	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.720%
7) Chloroethane-d5	1.900	69	55924	42.553	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.100%
11) 1,1-Dichloroethene-d2	2.565	63	133547	41.584	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.160%
21) 2-Butanone-d5	4.623	46	155439	100.149	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.150%
24) Chloroform-d	5.063	84	153573	47.690	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.380%
26) 1,2-Dichloroethane-d4	5.703	65	103991	47.715	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.420%
32) Benzene-d6	5.726	84	282918	45.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.160%
36) 1,2-Dichloropropane-d6	6.690	67	99117	47.479	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.960%
41) Toluene-d8	7.899	98	246901	45.680	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.360%
43) trans-1,3-Dichloroprop...	8.179	79	42721	48.571	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.140%
47) 2-Hexanone-d5	8.632	63	93202	99.250	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.250%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	145240	49.722	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.440%
66) 1,2-Dichlorobenzene-d4	12.195	152	94433	47.687	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	105479	40.836	ug/L	98
3) Chloromethane	1.520	50	125396	44.233	ug/L	99
5) Vinyl chloride	1.604	62	104930	40.962	ug/L	100
6) Bromomethane	1.838	94	50248	42.455	ug/L	100
8) Chloroethane	1.922	64	59953	42.249	ug/L	97
9) Trichlorofluoromethane	2.131	101	131178	41.465	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	70121	42.241	ug/L	100
12) 1,1-Dichloroethene	2.575	96	64458	41.838	ug/L	94
13) Acetone	2.626	43	119481	81.003	ug/L	98
14) Carbon disulfide	2.787	76	196866	37.893	ug/L	99
15) Methyl Acetate	2.948	43	113885	47.524	ug/L	100
16) Methylene chloride	3.041	84	89700	46.235	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	72133	42.799	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	271787	47.081	ug/L	99
19) 1,1-Dichloroethane	3.867	63	161146	45.927	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	85459	45.117	ug/L	95
22) 2-Butanone	4.703	43	179179	90.731	ug/L	100
23) Bromochloromethane	4.973	128	43897	46.446	ug/L	98
25) Chloroform	5.086	83	162505	46.187	ug/L	100

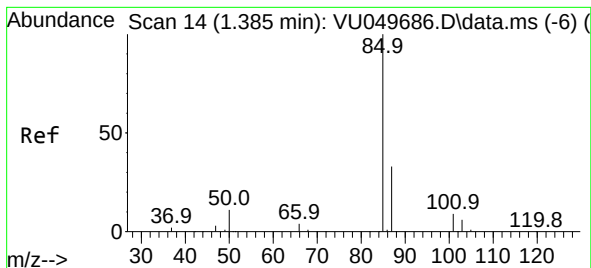
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071222\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	142393	47.528	ug/L	98
29) Cyclohexane	5.388	56	129688	40.669	ug/L	100
30) 1,1,1-Trichloroethane	5.317	97	127144	42.988	ug/L	100
31) Carbon tetrachloride	5.523	117	102114	42.212	ug/L	99
33) Benzene	5.774	78	349930	45.568	ug/L	100
34) Trichloroethene	6.542	95	80181	43.195	ug/L	100
35) Methylcyclohexane	6.761	83	120655	41.363	ug/L	99
37) 1,2-Dichloropropane	6.790	63	97274	45.701	ug/L	100
38) Bromodichloromethane	7.105	83	121842	46.170	ug/L	95
39) cis-1,3-Dichloropropene	7.607	75	131520	45.815	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	327686	95.097	ug/L	99
42) Toluene	7.970	91	346364	45.382	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	126865	47.068	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	86145	46.368	ug/L	99
46) Tetrachloroethene	8.552	164	55929	43.442	ug/L	98
48) 2-Hexanone	8.684	43	262754	95.422	ug/L	99
49) Dibromochloromethane	8.812	129	87698	46.932	ug/L	96
50) 1,2-Dibromoethane	8.925	107	87615	47.474	ug/L	98
51) Chlorobenzene	9.446	112	209461	45.319	ug/L	98
52) Ethylbenzene	9.571	91	356639	44.282	ug/L	100
53) m,p-Xylene	9.693	106	136029	46.449	ug/L	98
54) o-Xylene	10.102	106	134567	45.634	ug/L	98
55) Styrene	10.115	104	232285	47.732	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	155771	46.839	ug/L	98
59) Bromoform	10.291	173	62416	44.307	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	125974	45.030	ug/L	99
61) Isopropylbenzene	10.484	105	340325	43.395	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	295136	44.615	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	297334	45.243	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	151124	44.143	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	150047	43.631	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	159315	44.753	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	36881	44.992	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	105279	43.886	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	93579	42.508	ug/L	98
71) Naphthalene	14.089	128	347724	44.184	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	101839	44.658	ug/L	99

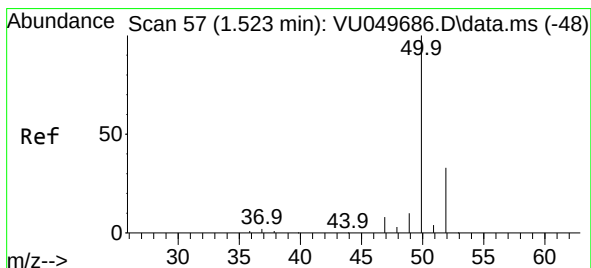
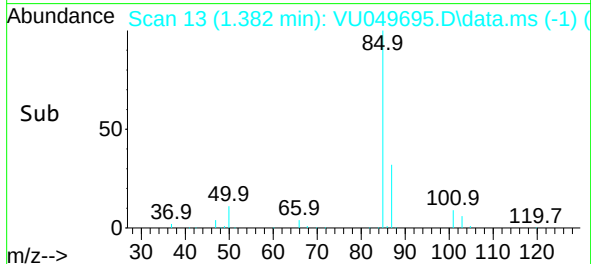
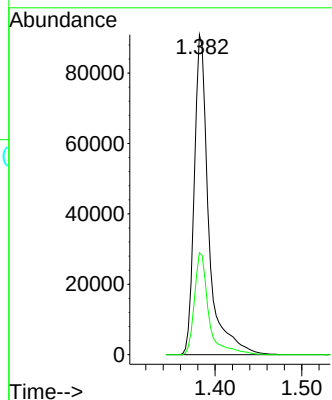
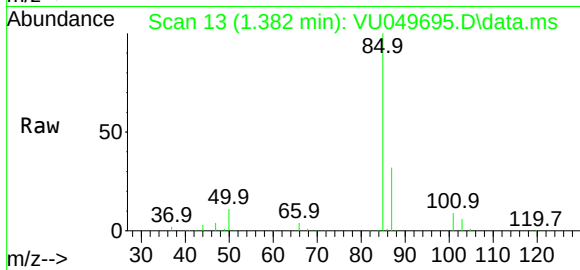
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 40.836 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

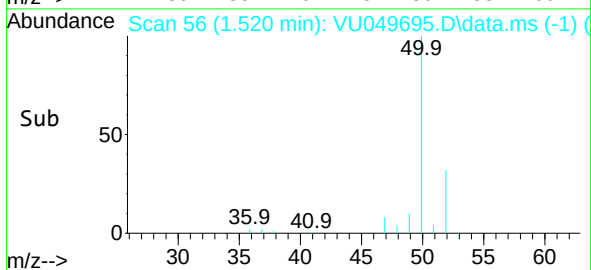
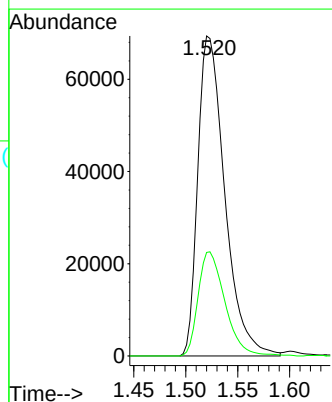
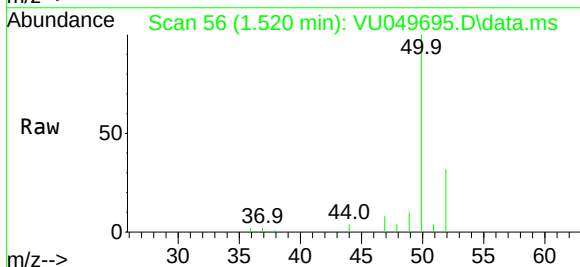
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

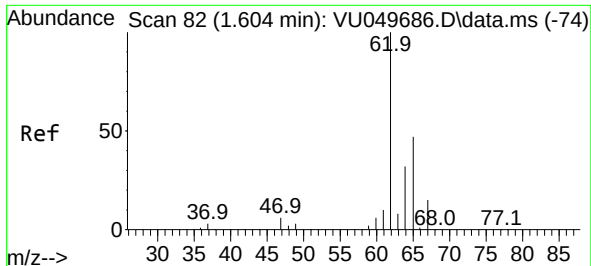
Tgt Ion: 85 Resp: 105479
Ion Ratio Lower Upper
85 100
87 31.8 26.3 39.5



#3
Chloromethane
Concen: 44.233 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion: 50 Resp: 125396
Ion Ratio Lower Upper
50 100
52 32.3 23.2 43.0

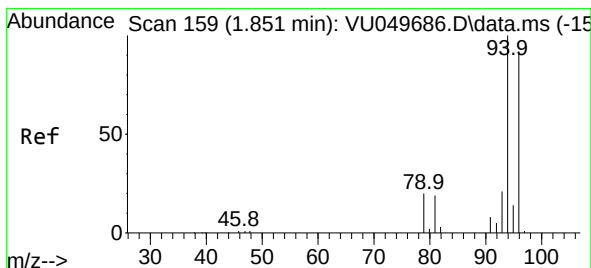
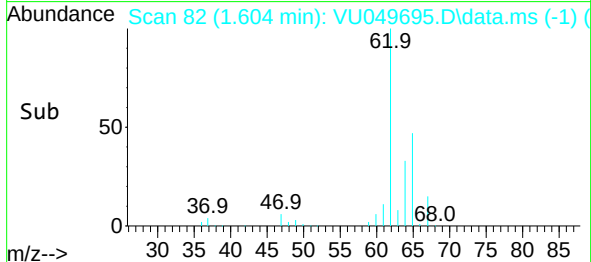
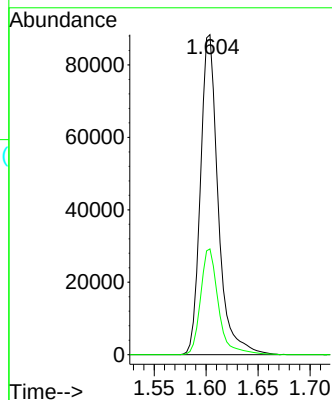
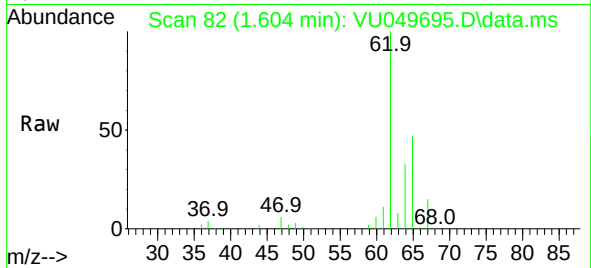




#5
 Vinyl chloride
 Concen: 40.962 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049695.D
 Acq: 12 Jul 2022 15:44

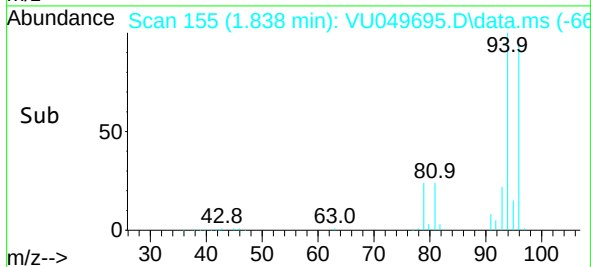
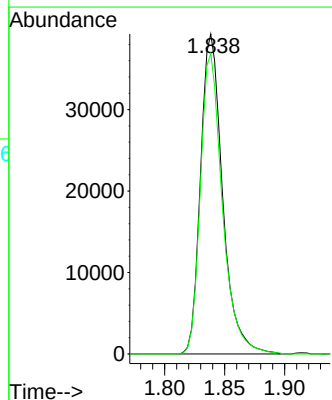
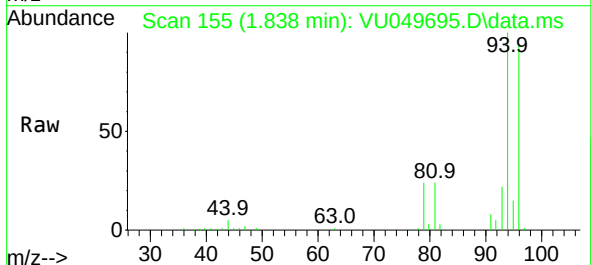
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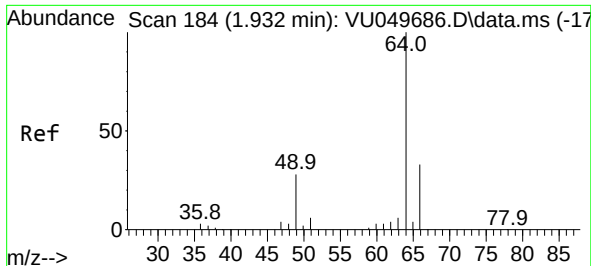
Tgt Ion: 62 Resp: 104930
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.0 42.6



#6
 Bromomethane
 Concen: 42.455 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. -0.013 min
 Lab File: VU049695.D
 Acq: 12 Jul 2022 15:44

Tgt Ion: 94 Resp: 50248
 Ion Ratio Lower Upper
 94 100
 96 94.0 66.1 122.7

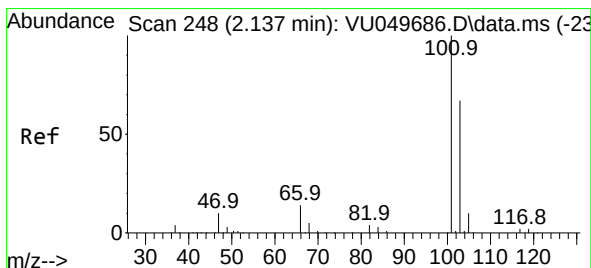
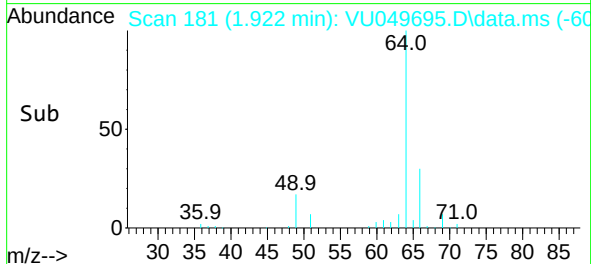
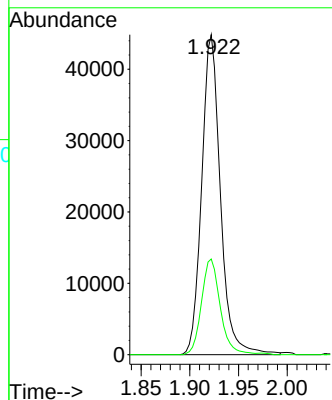
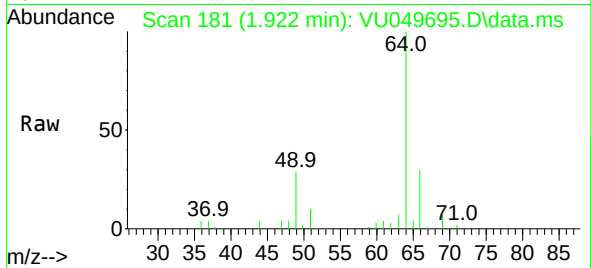




#8
Chloroethane
Concen: 42.249 ug/L
RT: 1.922 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

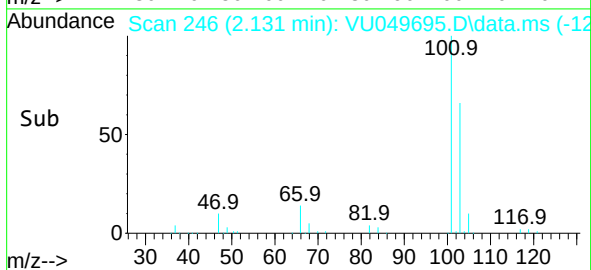
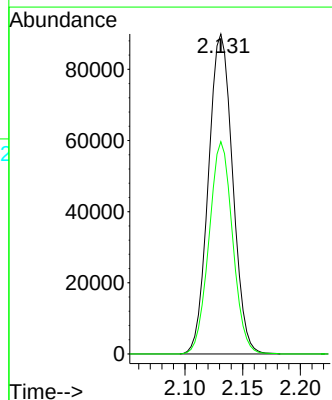
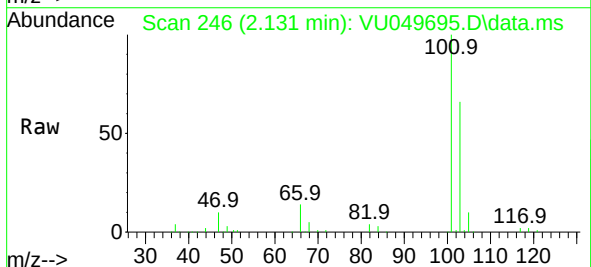
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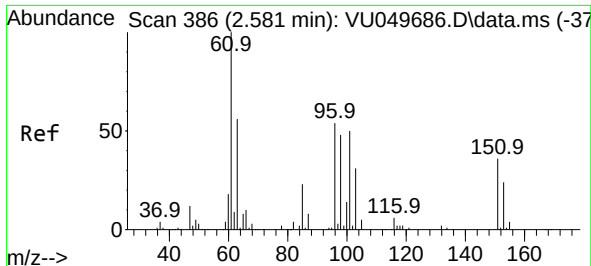
Tgt Ion: 64 Resp: 59953
Ion Ratio Lower Upper
64 100
66 29.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 41.465 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.006 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion:101 Resp: 131178
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.4

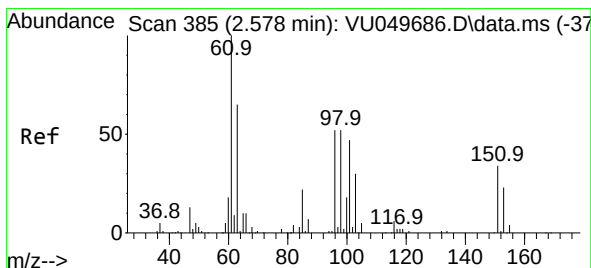
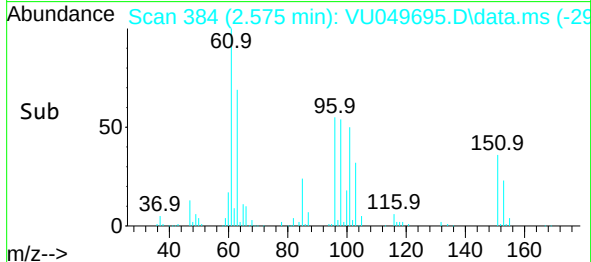
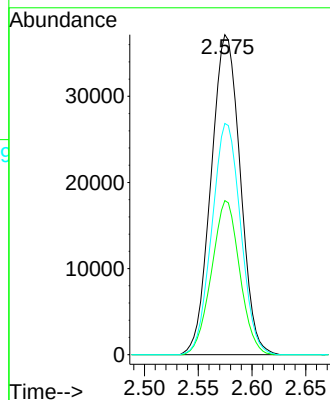
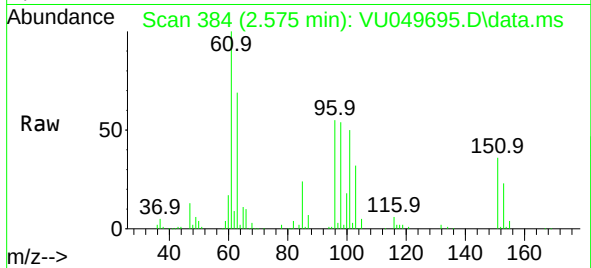




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 42.241 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.006 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

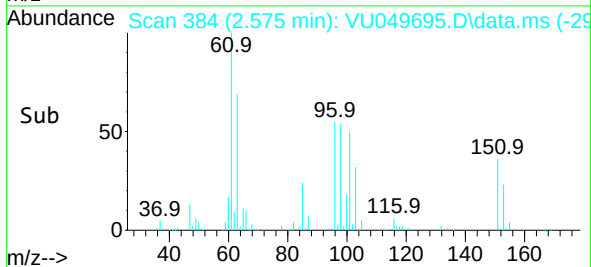
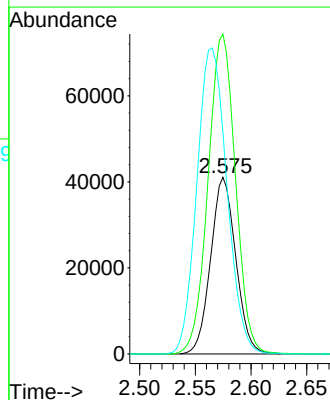
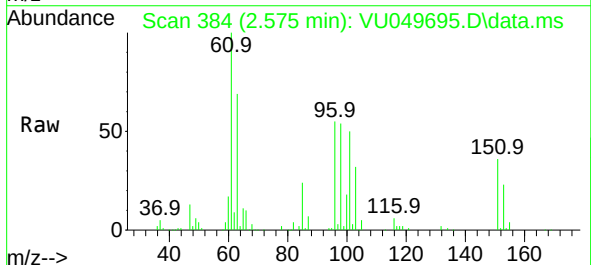
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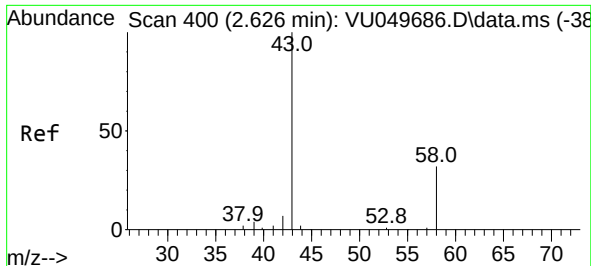
Tgt Ion:101 Resp: 70121
Ion Ratio Lower Upper
101 100
85 46.4 37.3 55.9
151 71.4 56.9 85.3



#12
1,1-Dichloroethene
Concen: 41.838 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion: 96 Resp: 64458
Ion Ratio Lower Upper
96 100
61 181.2 129.6 240.6
63 125.6 79.0 146.6





#13

Acetone

Concen: 81.003 ug/L

RT: 2.626 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

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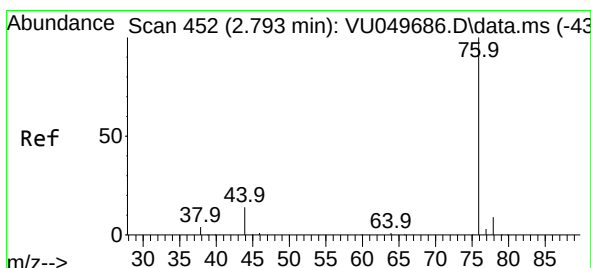
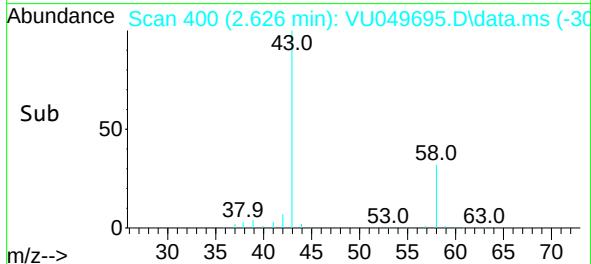
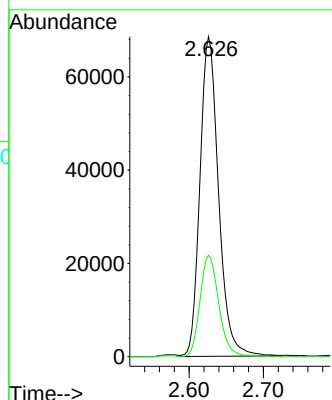
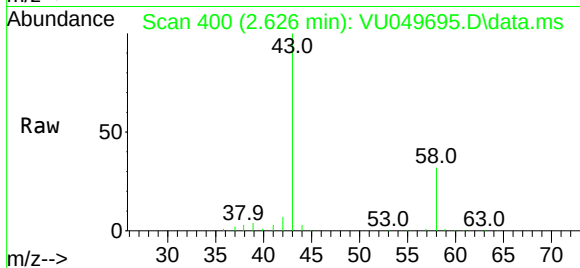
VSTD050160

Tgt Ion: 43 Resp: 119481

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.4



#14

Carbon disulfide

Concen: 37.893 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.007 min

Lab File: VU049695.D

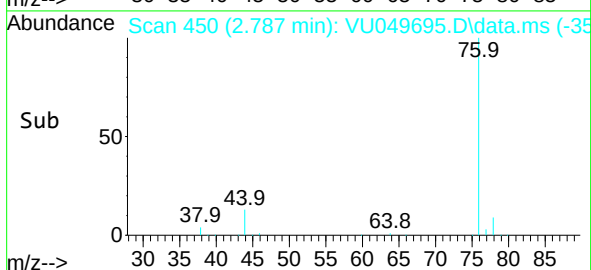
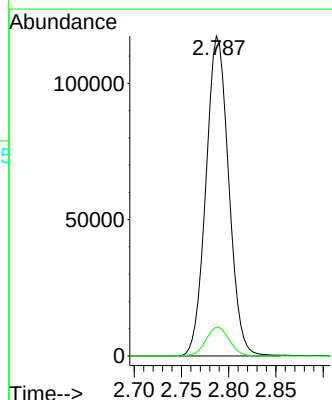
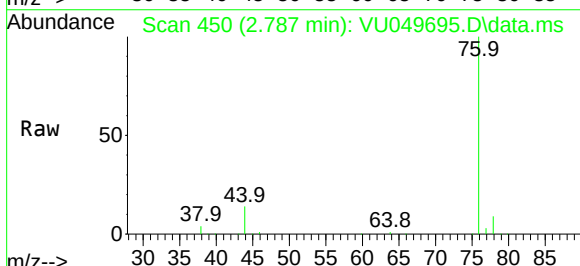
Acq: 12 Jul 2022 15:44

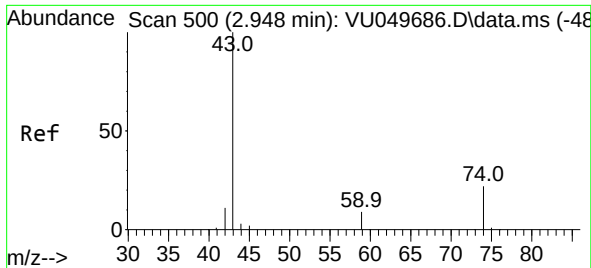
Tgt Ion: 76 Resp: 196866

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

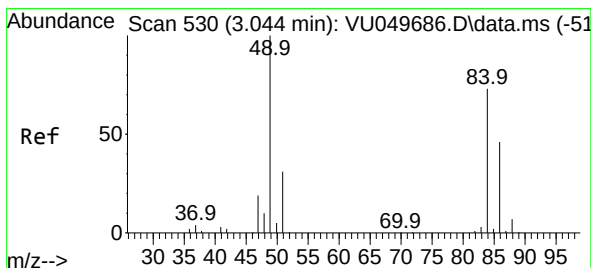
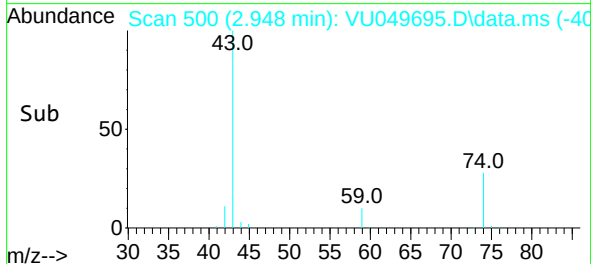
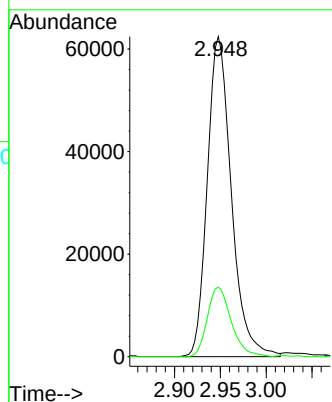
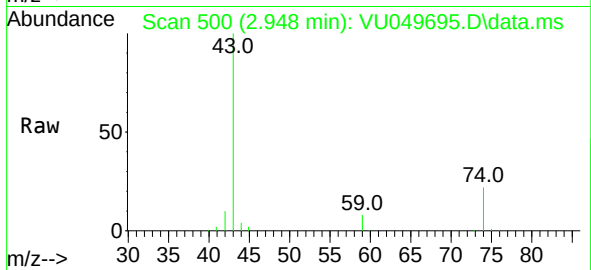




#15
Methyl Acetate
Concen: 47.524 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

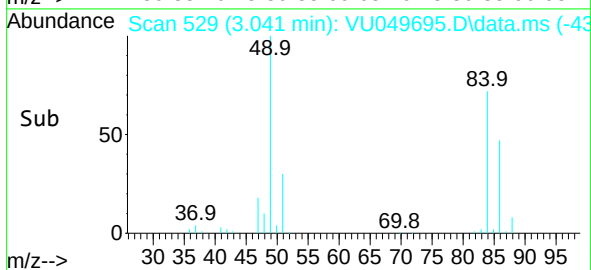
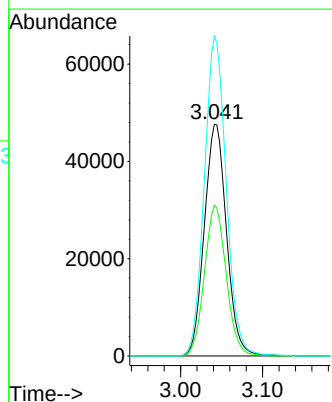
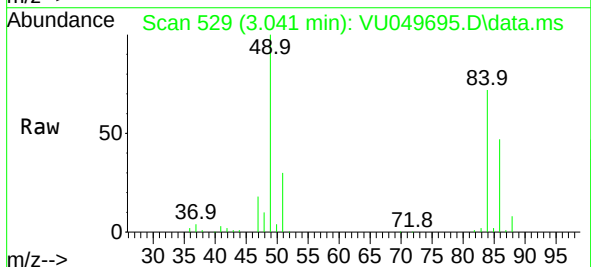
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

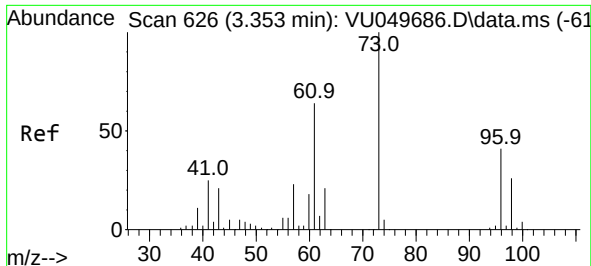
Tgt Ion: 43 Resp: 113885
Ion Ratio Lower Upper
43 100
74 21.6 17.4 26.0



#16
Methylene chloride
Concen: 46.235 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion: 84 Resp: 89700
Ion Ratio Lower Upper
84 100
86 65.0 45.6 84.6
49 138.2 94.4 175.4

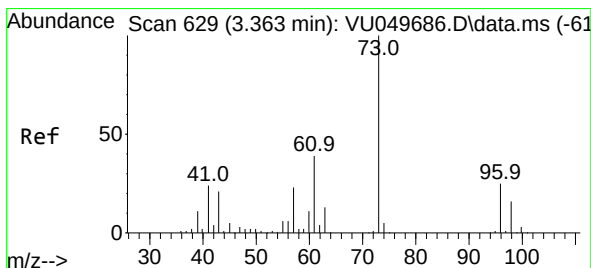
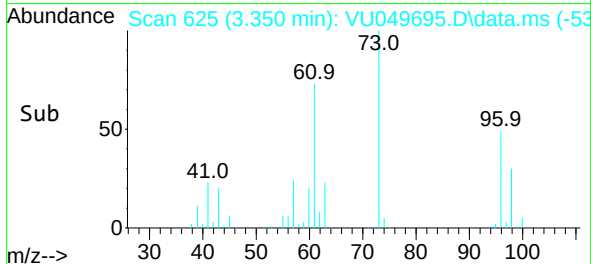
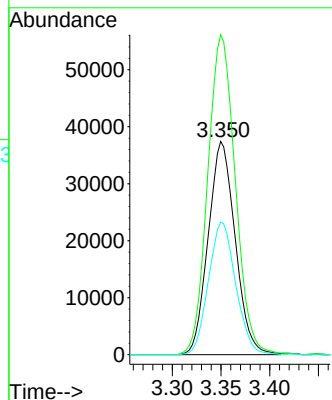
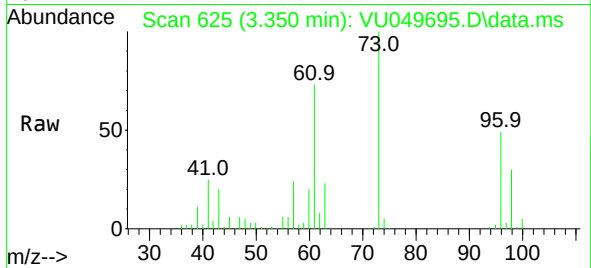




#17
trans-1,2-Dichloroethene
Concen: 42.799 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

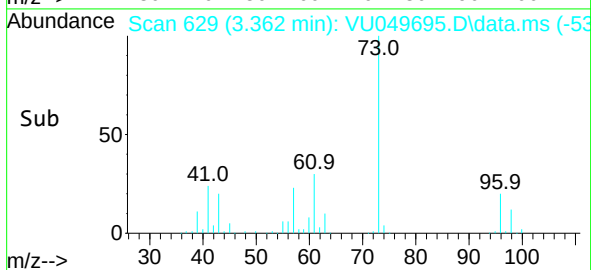
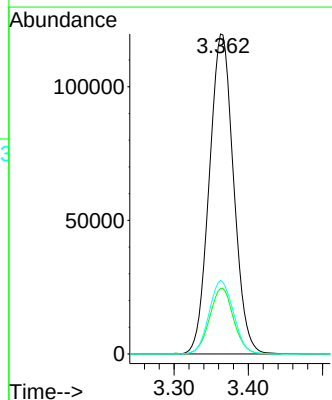
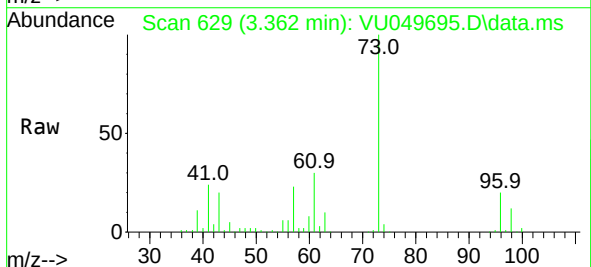
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

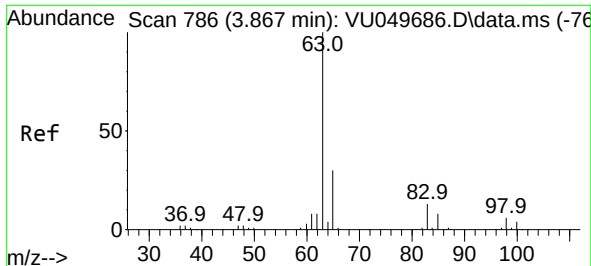
Tgt Ion: 96 Resp: 72133
Ion Ratio Lower Upper
96 100
61 150.0 107.6 199.8
98 62.2 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 47.081 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion: 73 Resp: 271787
Ion Ratio Lower Upper
73 100
43 20.4 17.0 25.4
57 23.1 18.5 27.7

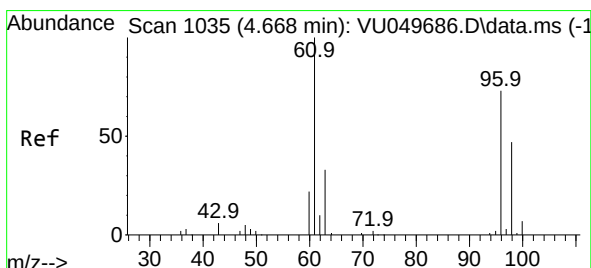
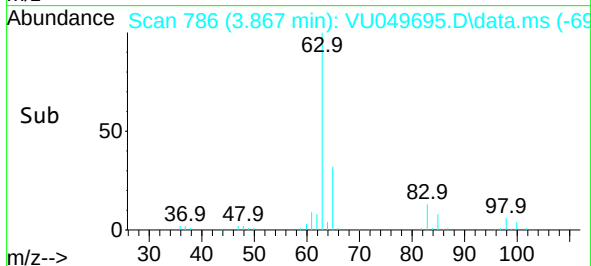
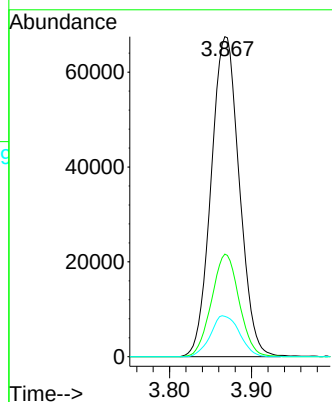
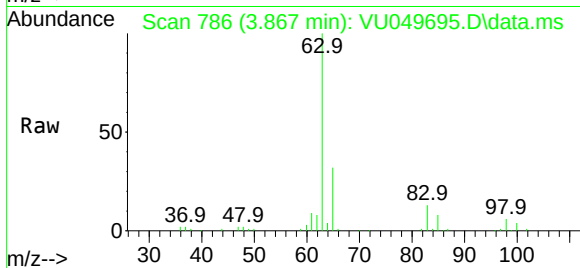




#19
1,1-Dichloroethane
Concen: 45.927 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

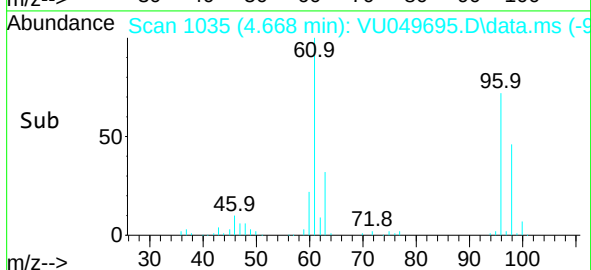
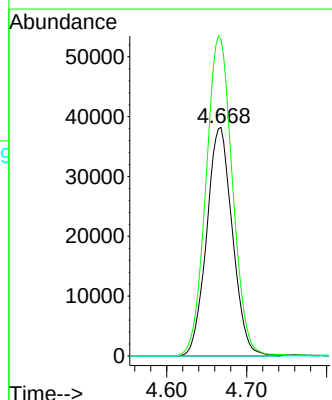
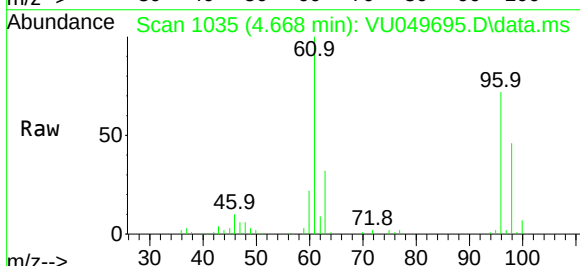
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

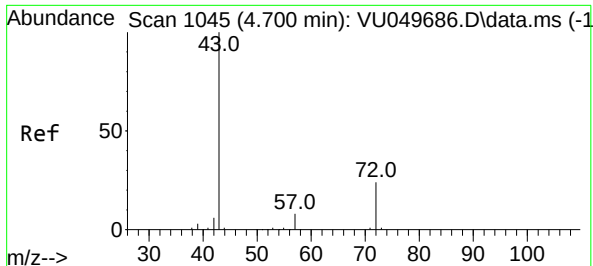
Tgt Ion: 63 Resp: 161146
Ion Ratio Lower Upper
63 100
65 32.0 22.6 42.0
83 12.6 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 45.117 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion: 96 Resp: 85459
Ion Ratio Lower Upper
96 100
61 138.6 101.1 187.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.731 ug/L

RT: 4.703 min Scan# 110

Delta R.T. 0.003 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

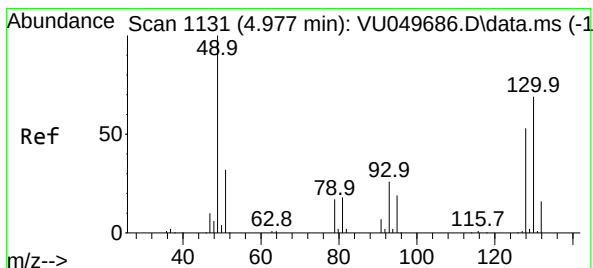
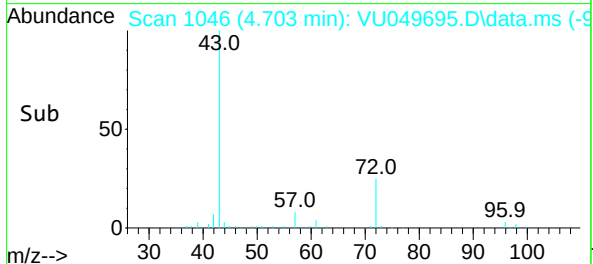
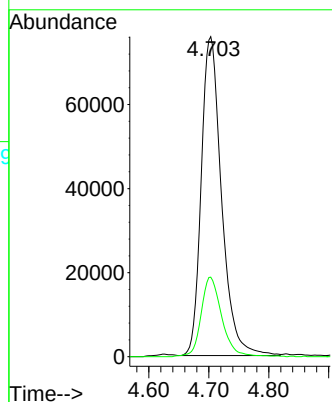
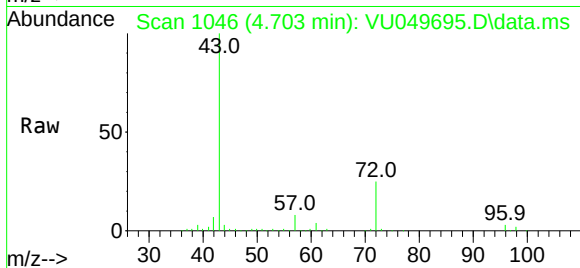
VSTD050160

Tgt Ion: 43 Resp: 179179

Ion Ratio Lower Upper

43 100

72 25.2 12.7 38.0



#23

Bromochloromethane

Concen: 46.446 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Tgt Ion:128 Resp: 43897

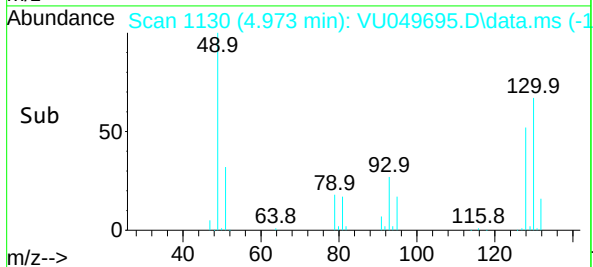
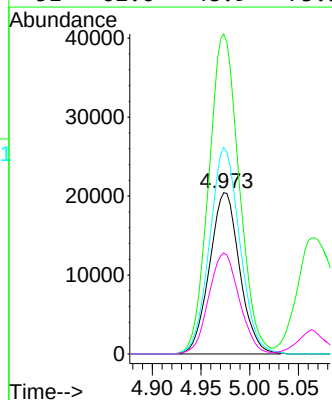
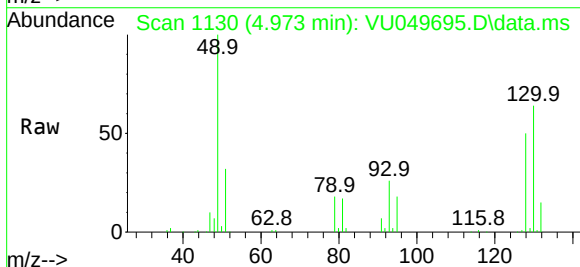
Ion Ratio Lower Upper

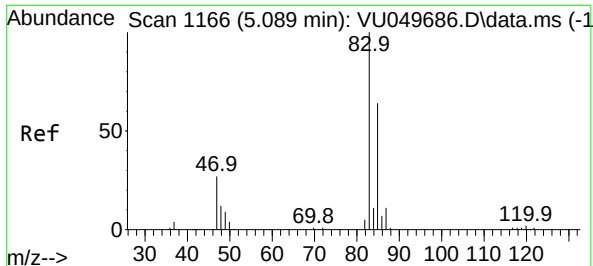
128 100

49 198.3 140.9 261.7

130 127.9 90.0 167.2

51 62.6 48.9 73.3





#25

Chloroform

Concen: 46.187 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

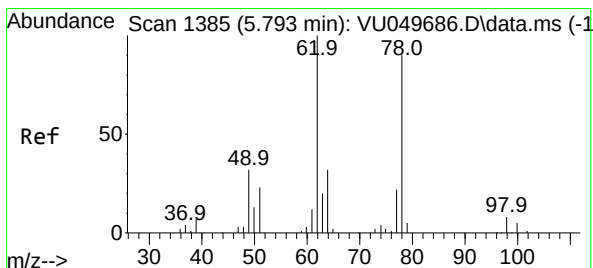
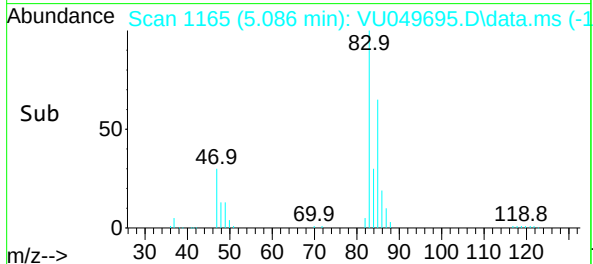
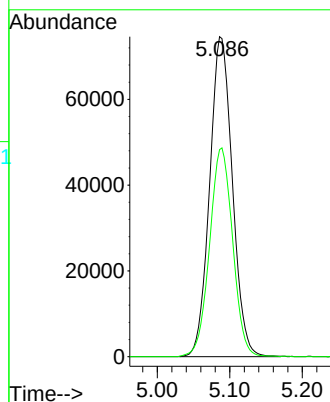
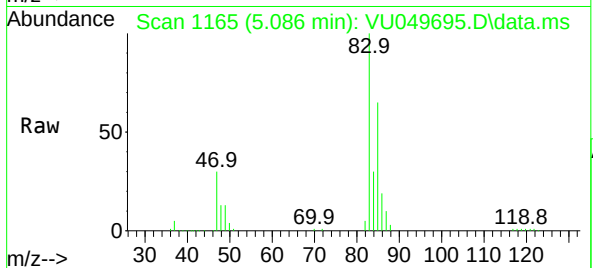
VSTD050160

Tgt Ion: 83 Resp: 162505

Ion Ratio Lower Upper

83 100

85 64.7 45.2 84.0



#27

1,2-Dichloroethane

Concen: 47.528 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU049695.D

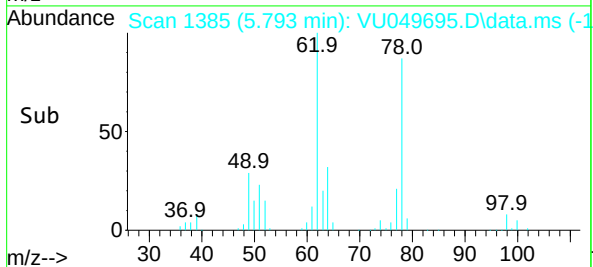
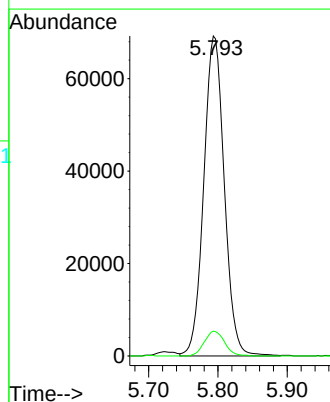
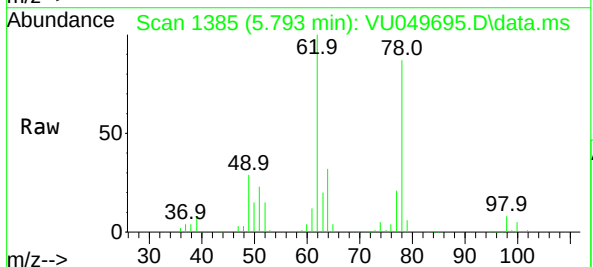
Acq: 12 Jul 2022 15:44

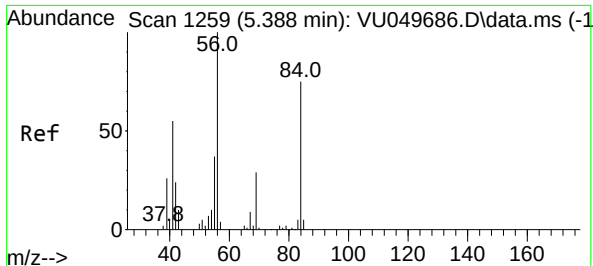
Tgt Ion: 62 Resp: 142393

Ion Ratio Lower Upper

62 100

98 7.8 6.7 10.1





#29

Cyclohexane

Concen: 40.669 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

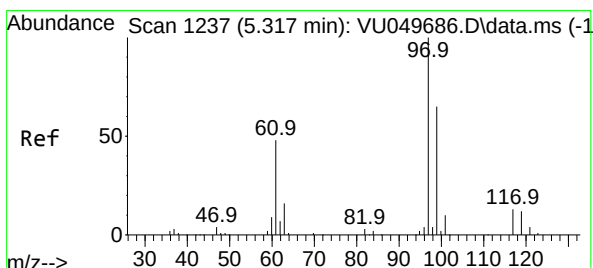
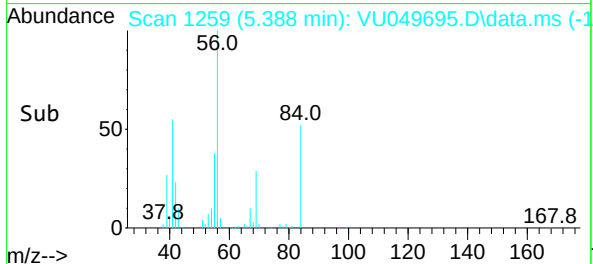
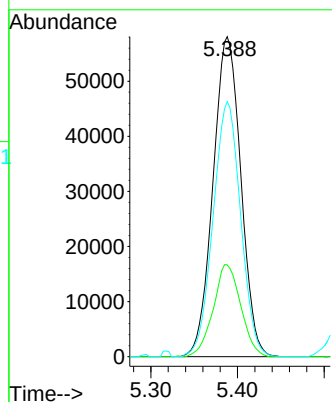
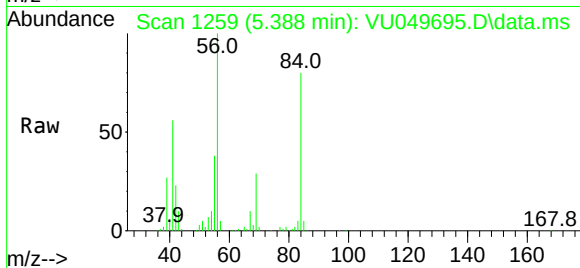
Tgt Ion: 56 Resp: 129688

Ion Ratio Lower Upper

56 100

69 28.4 23.4 35.2

84 79.0 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 42.988 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

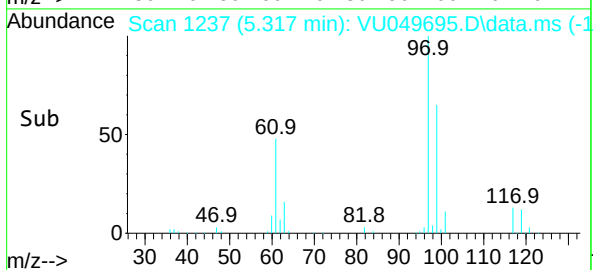
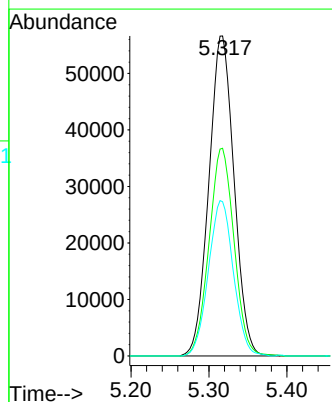
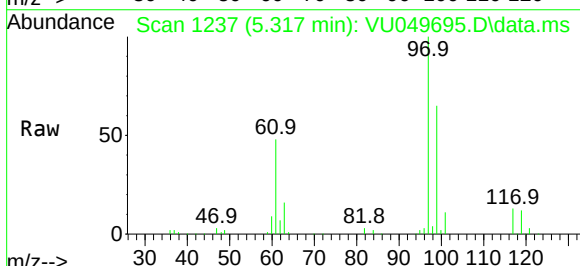
Tgt Ion: 97 Resp: 127144

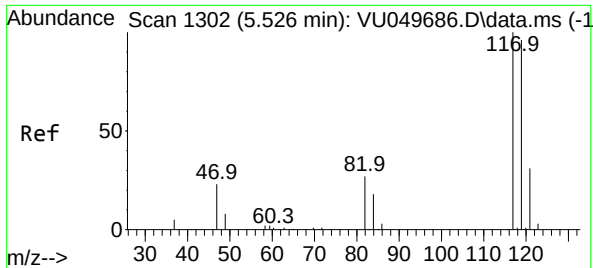
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 48.1 38.2 57.2

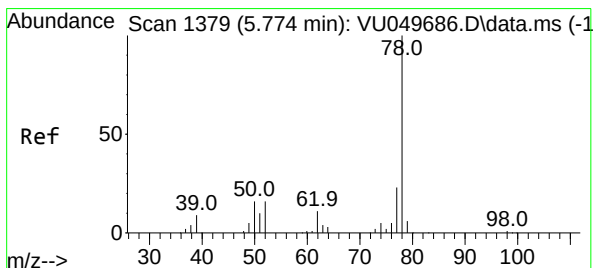
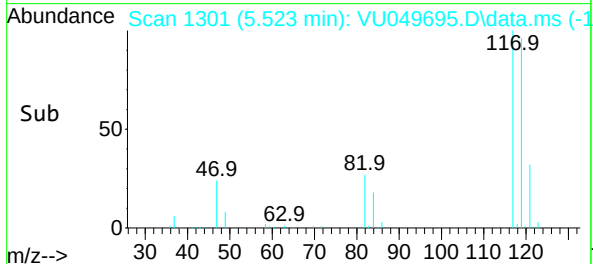
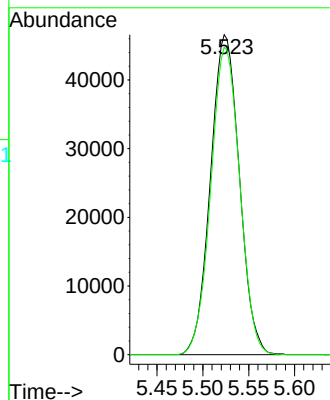
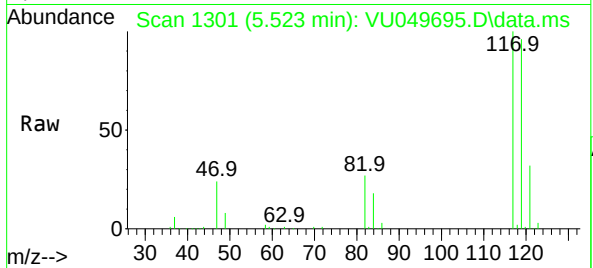




#31
Carbon tetrachloride
Concen: 42.212 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

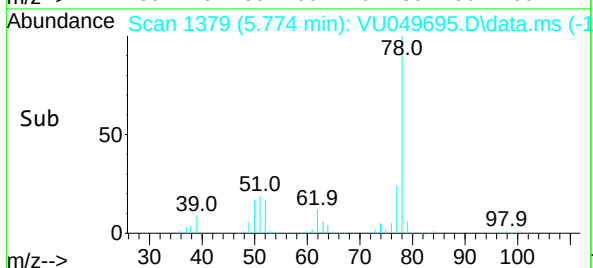
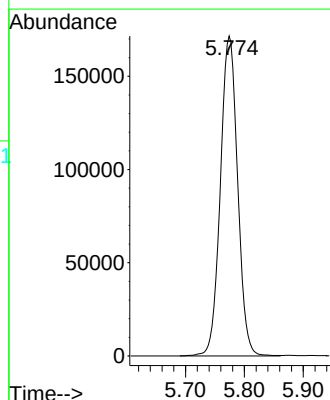
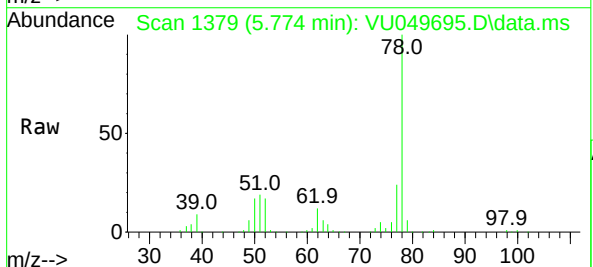
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

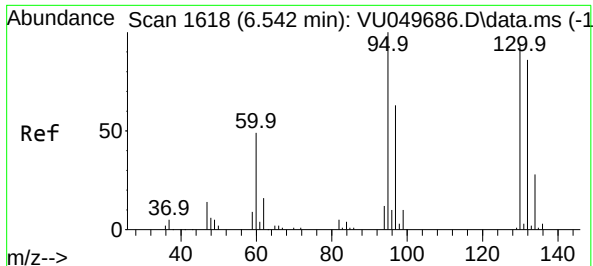
Tgt Ion:117 Resp: 102114
Ion Ratio Lower Upper
117 100
119 96.0 75.8 113.8



#33
Benzene
Concen: 45.568 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion: 78 Resp: 349930





#34

Trichloroethene

Concen: 43.195 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

Tgt Ion: 95 Resp: 80181

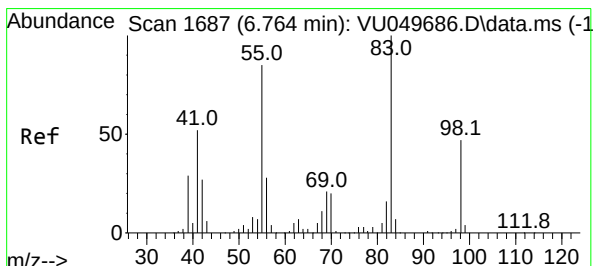
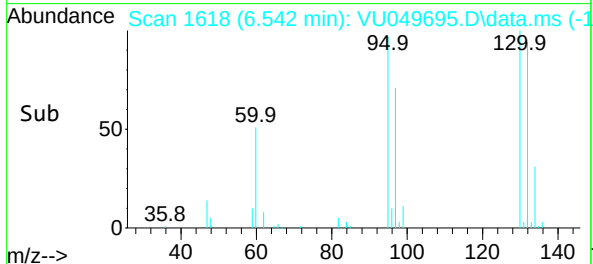
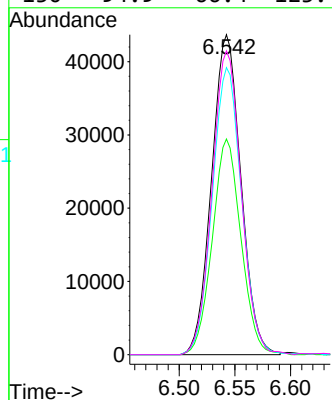
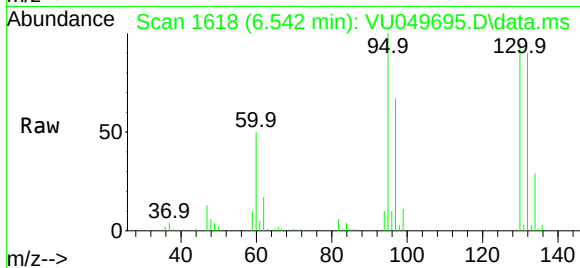
Ion Ratio Lower Upper

95 100

97 67.4 46.9 87.1

132 89.7 62.7 116.5

130 94.9 66.4 123.4



#35

Methylcyclohexane

Concen: 41.363 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.003 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

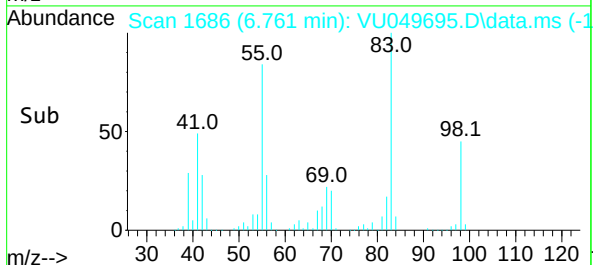
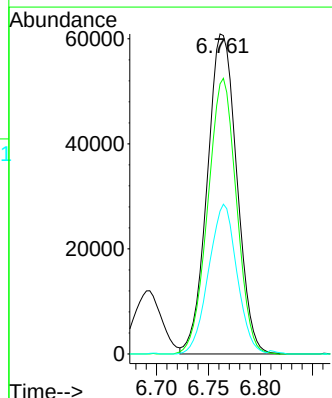
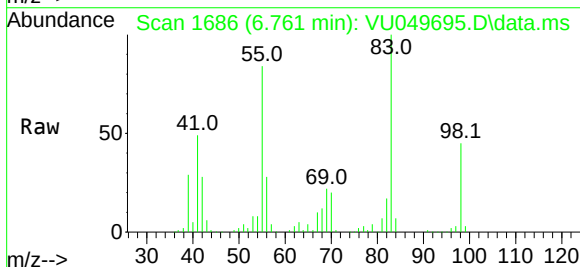
Tgt Ion: 83 Resp: 120655

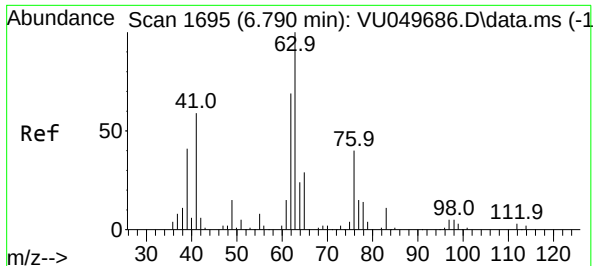
Ion Ratio Lower Upper

83 100

55 83.3 66.0 99.0

98 44.8 34.6 51.8





#37

1,2-Dichloropropane

Concen: 45.701 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

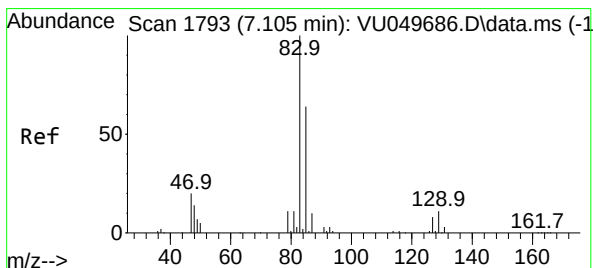
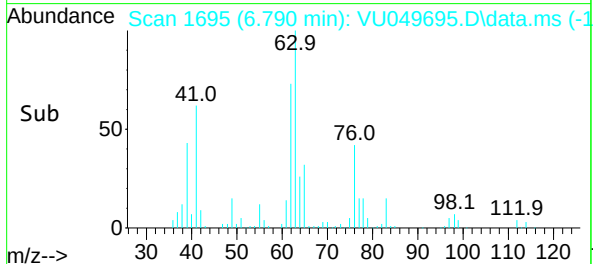
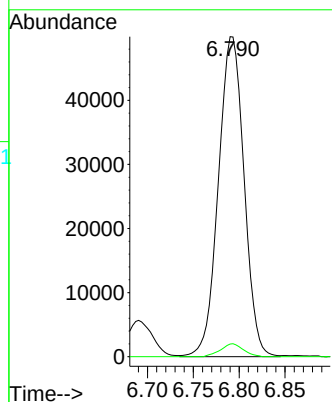
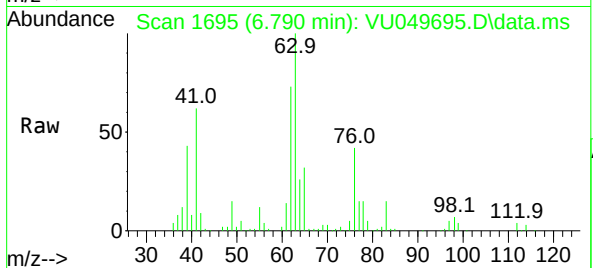
VSTD050160

Tgt Ion: 63 Resp: 97274

Ion Ratio Lower Upper

63 100

112 3.6 2.8 4.2



#38

Bromodichloromethane

Concen: 46.170 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

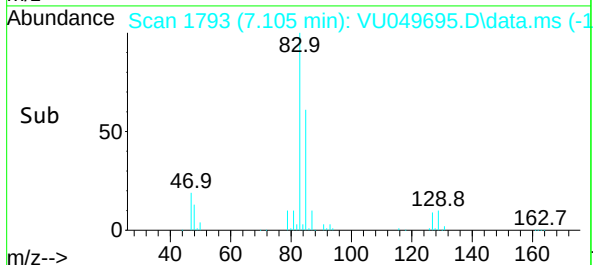
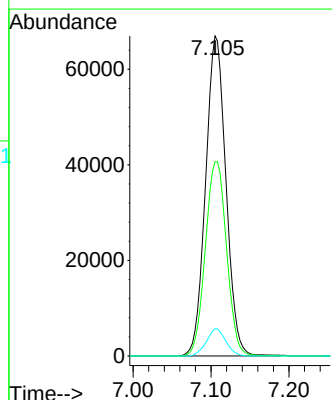
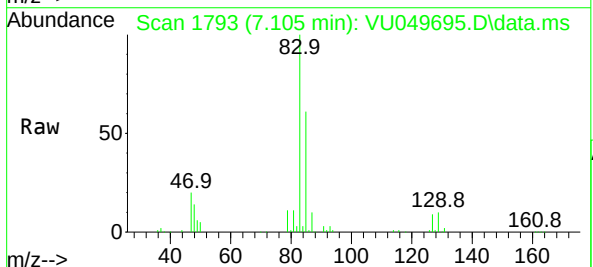
Tgt Ion: 83 Resp: 121842

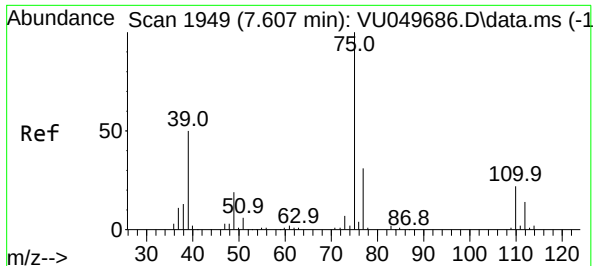
Ion Ratio Lower Upper

83 100

85 60.7 45.4 84.2

127 9.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 45.815 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

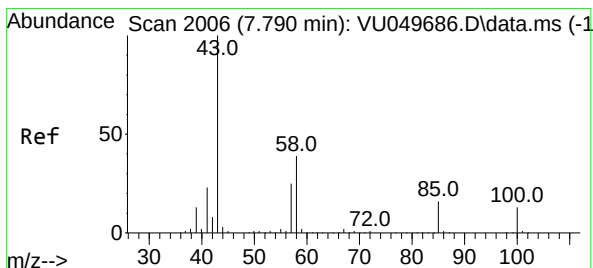
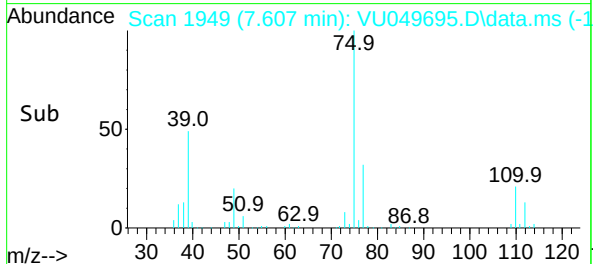
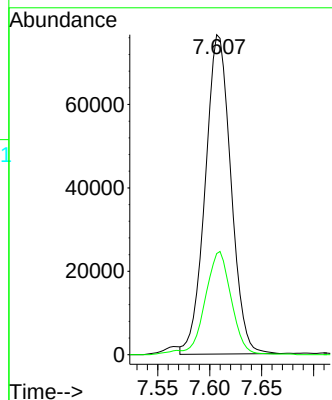
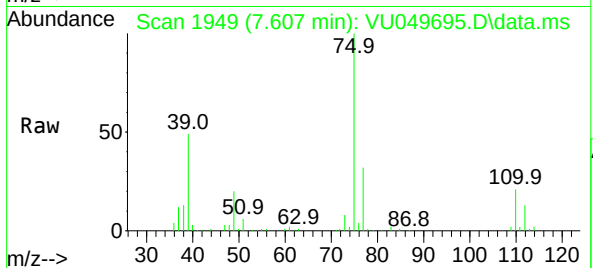
VSTD050160

Tgt Ion: 75 Resp: 131520

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 95.097 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

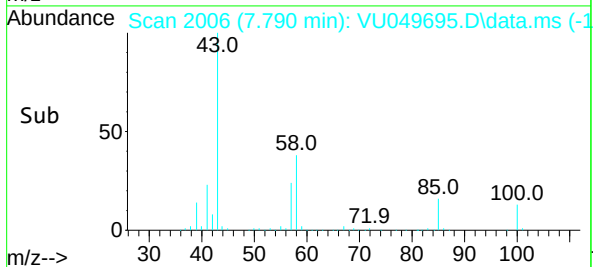
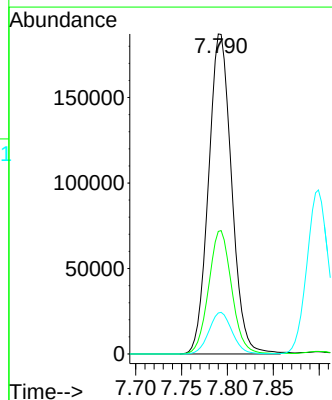
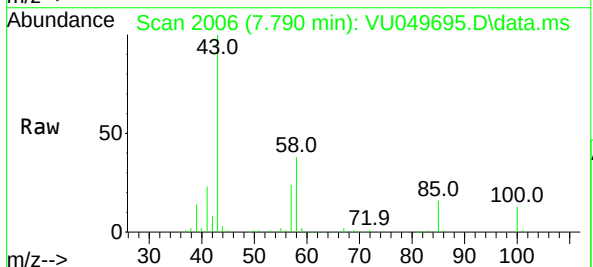
Tgt Ion: 43 Resp: 327686

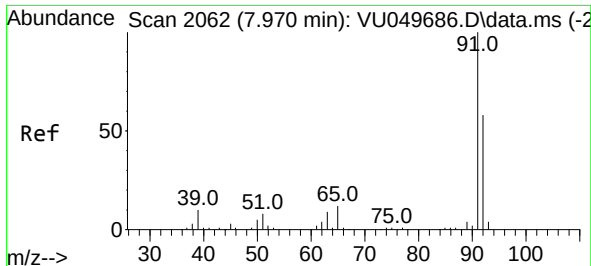
Ion Ratio Lower Upper

43 100

58 38.5 31.4 47.0

100 13.0 10.3 15.5





#42

Toluene

Concen: 45.382 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

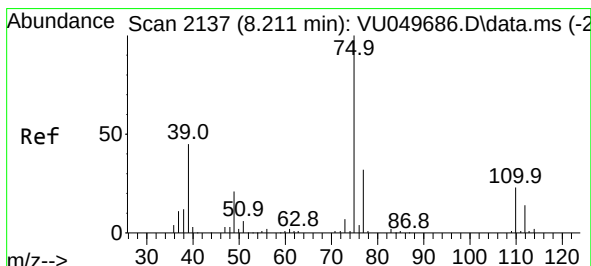
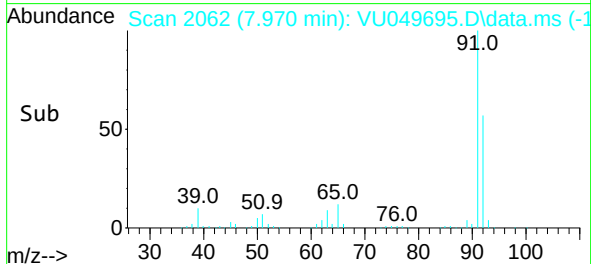
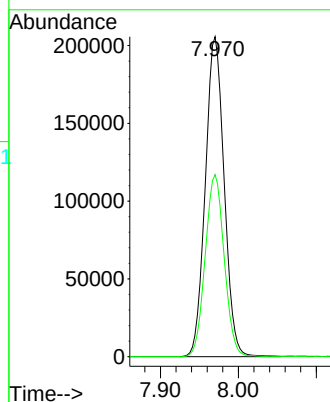
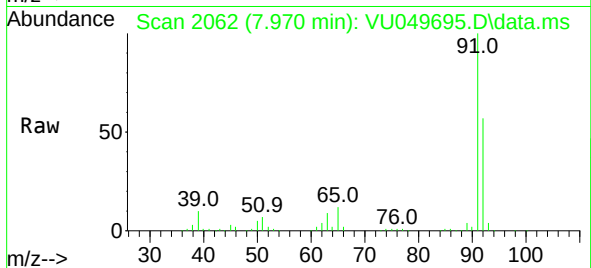
VSTD050160

Tgt Ion: 91 Resp: 346364

Ion Ratio Lower Upper

91 100

92 56.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 47.068 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU049695.D

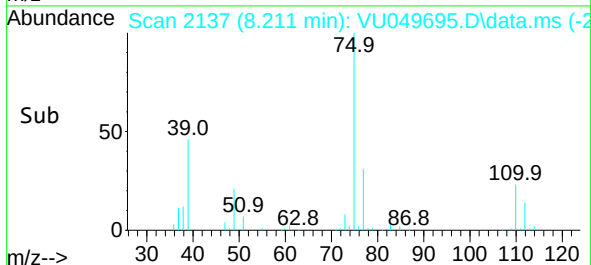
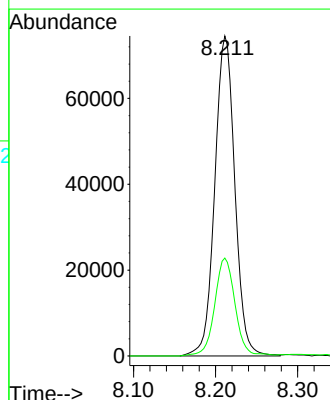
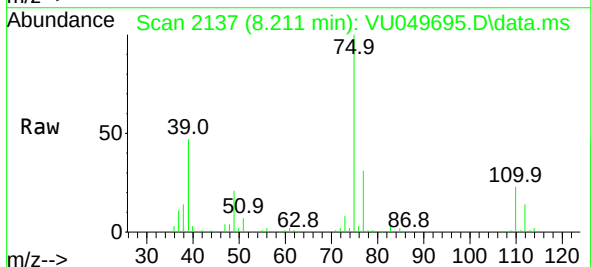
Acq: 12 Jul 2022 15:44

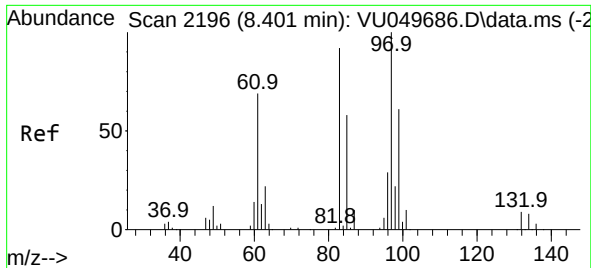
Tgt Ion: 75 Resp: 126865

Ion Ratio Lower Upper

75 100

77 30.6 22.5 41.9

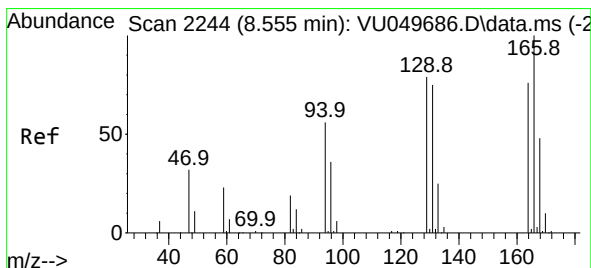
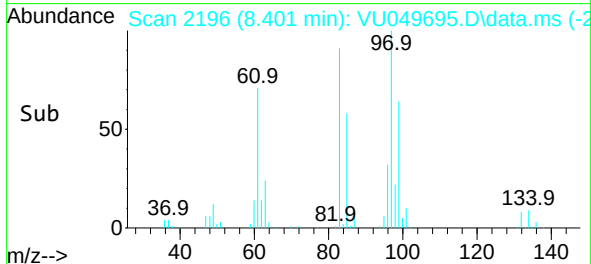
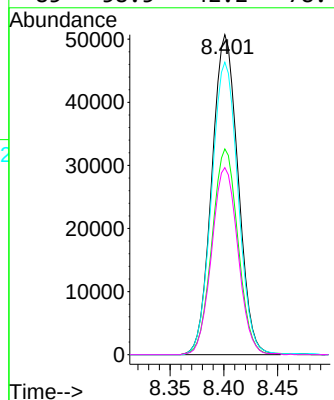
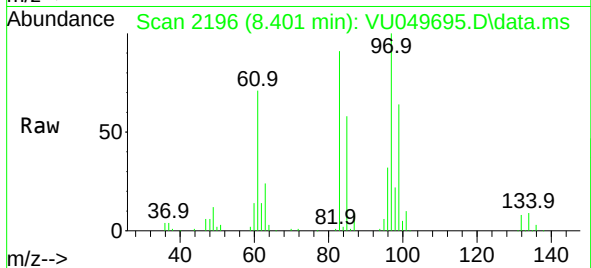




#45
1,1,2-Trichloroethane
Concen: 46.368 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

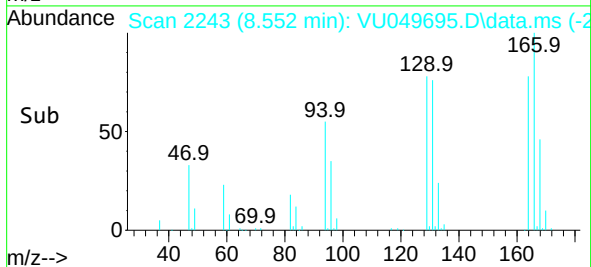
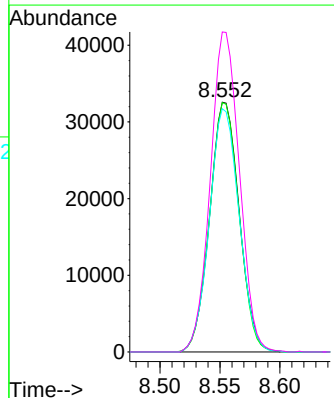
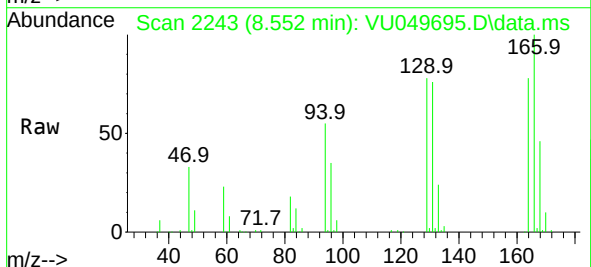
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

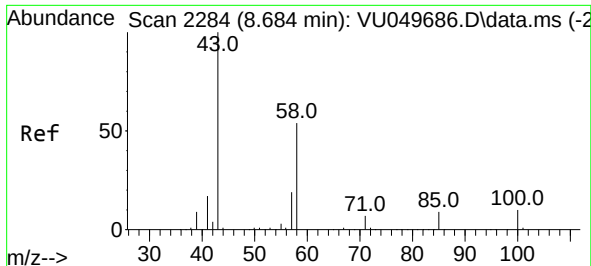
Tgt Ion:	97	Resp:	86145
Ion	Ratio	Lower	Upper
97	100		
99	64.3	44.3	82.3
83	91.4	64.0	118.8
85	58.5	42.2	78.4



#46
Tetrachloroethene
Concen: 43.442 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion:	164	Resp:	55929
Ion	Ratio	Lower	Upper
164	100		
129	99.8	72.0	133.8
131	97.4	69.0	128.1
166	128.2	91.1	169.3





#48

2-Hexanone

Concen: 95.422 ug/L

RT: 8.684 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

Tgt Ion: 43 Resp: 262754

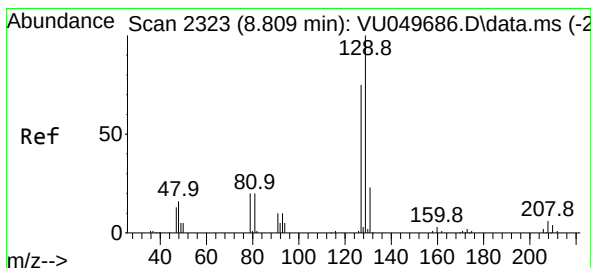
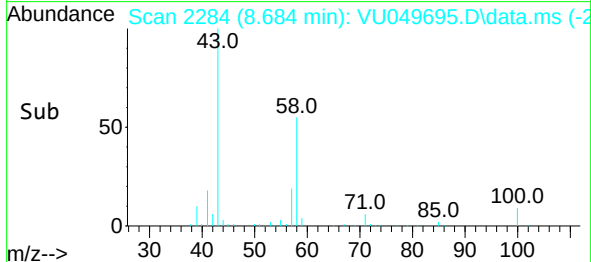
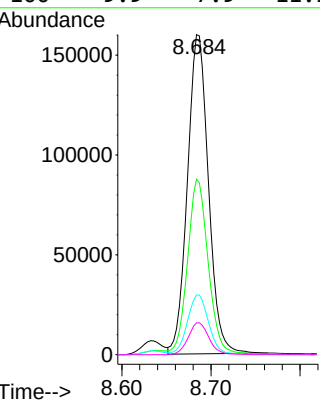
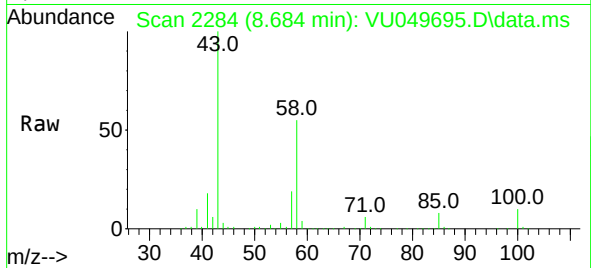
Ion Ratio Lower Upper

43 100

58 54.2 42.6 64.0

57 18.8 15.0 22.6

100 9.9 7.9 11.9



#49

Dibromochloromethane

Concen: 46.932 ug/L

RT: 8.812 min Scan# 2324

Delta R.T. 0.003 min

Lab File: VU049695.D

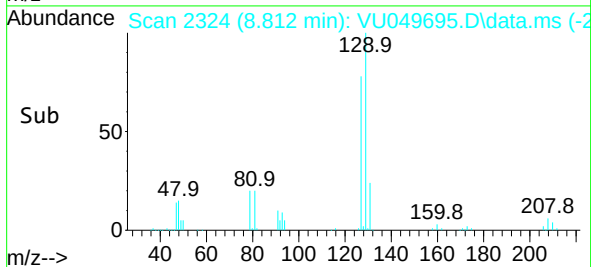
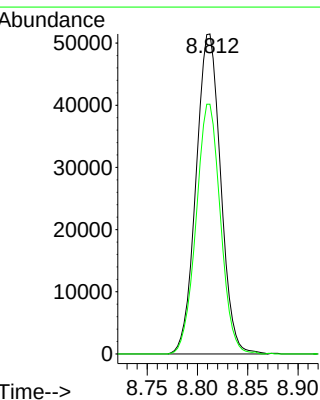
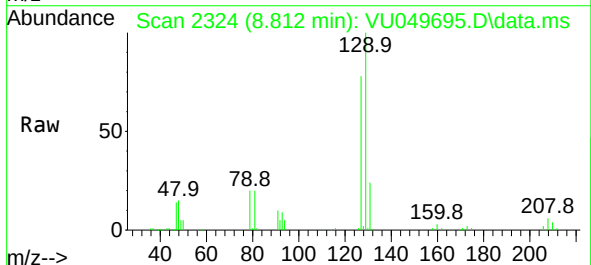
Acq: 12 Jul 2022 15:44

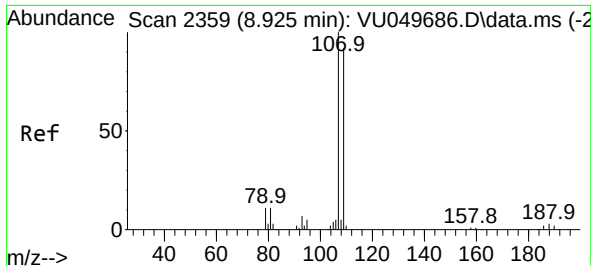
Tgt Ion:129 Resp: 87698

Ion Ratio Lower Upper

129 100

127 78.1 56.9 105.7

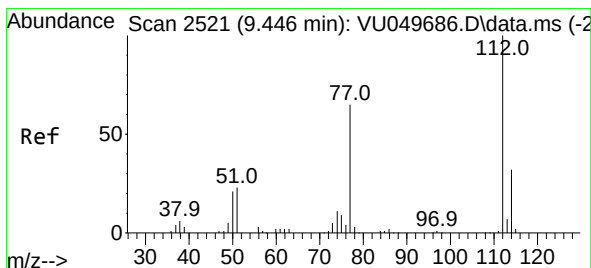
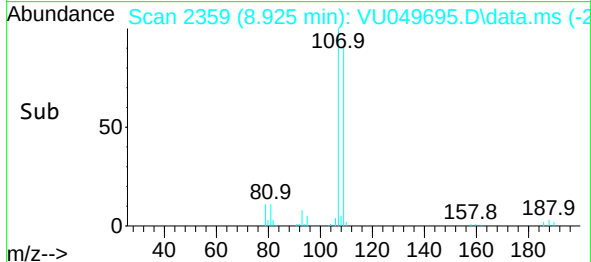
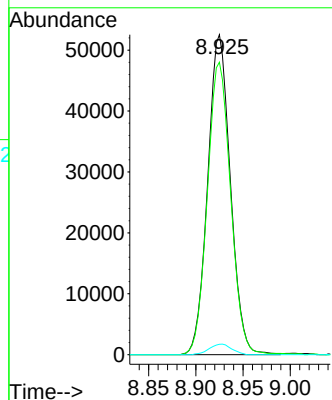
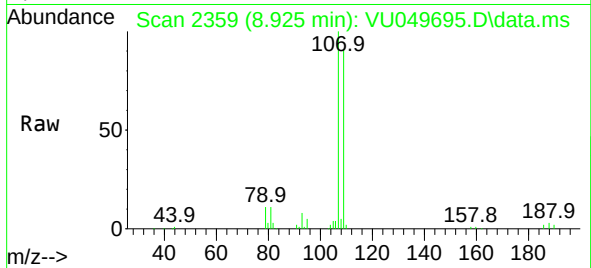




#50
1,2-Dibromoethane
Concen: 47.474 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

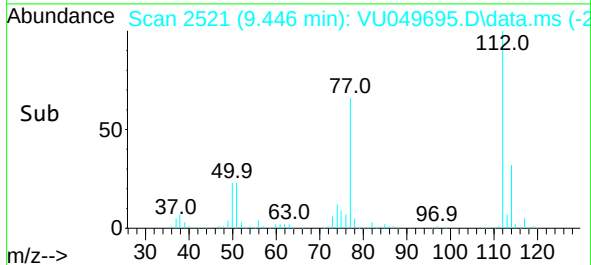
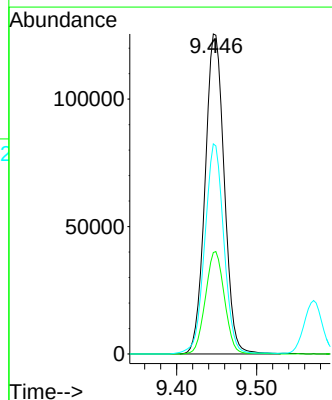
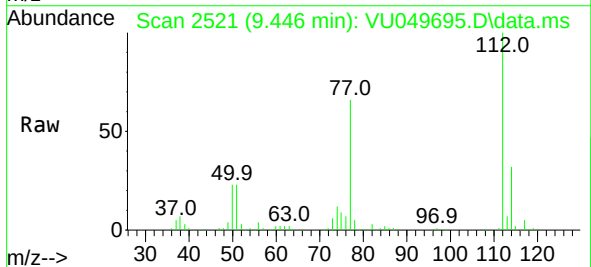
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

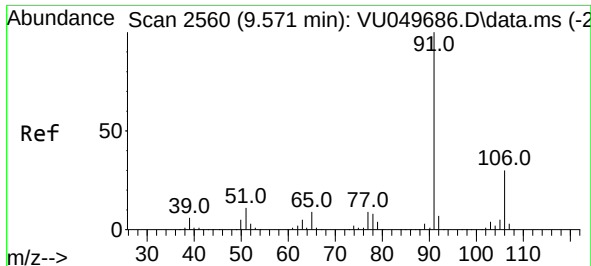
Tgt Ion:107 Resp: 87615
Ion Ratio Lower Upper
107 100
109 91.4 65.7 121.9
188 3.2 2.7 4.1



#51
Chlorobenzene
Concen: 45.319 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion:112 Resp: 209461
Ion Ratio Lower Upper
112 100
114 31.7 22.1 41.1
77 65.7 51.2 76.8

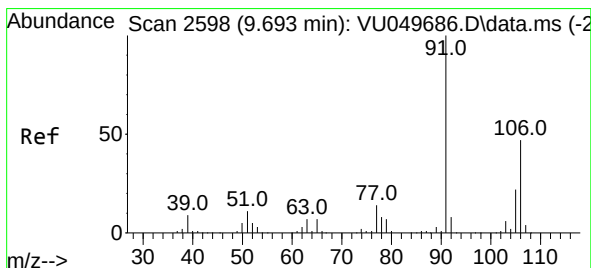
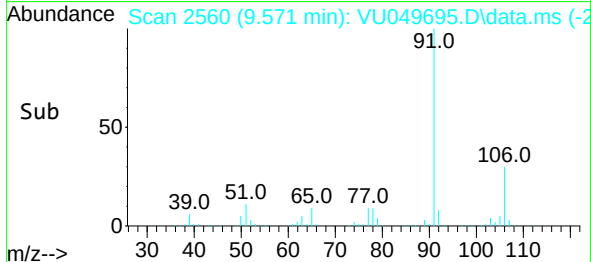
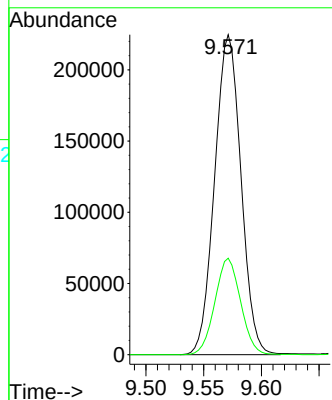
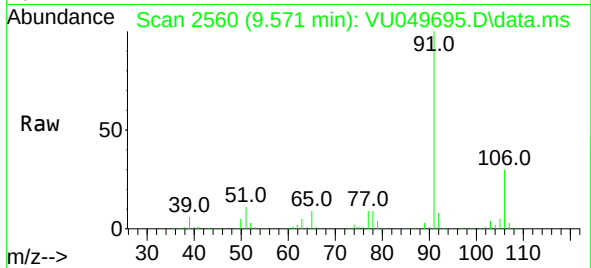




#52
Ethylbenzene
Concen: 44.282 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

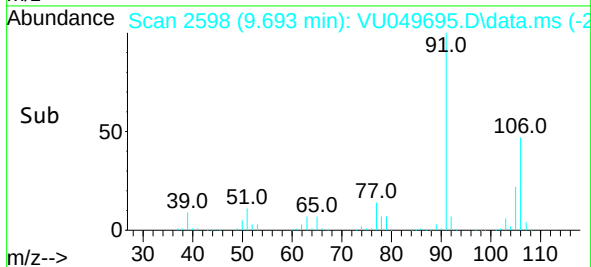
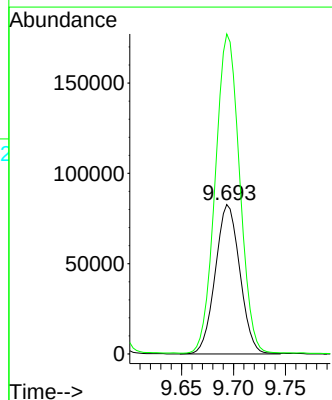
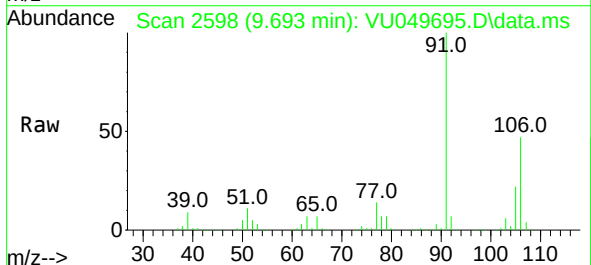
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

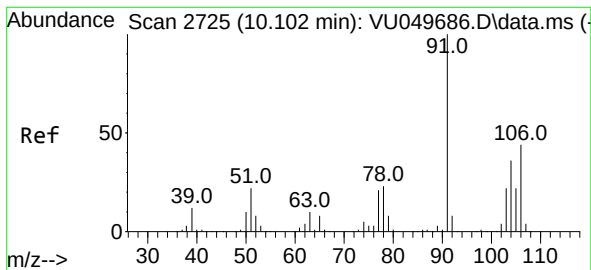
Tgt Ion: 91 Resp: 356639
Ion Ratio Lower Upper
91 100
106 30.1 21.0 39.0



#53
m,p-Xylene
Concen: 46.449 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion: 106 Resp: 136029
Ion Ratio Lower Upper
106 100
91 214.0 151.7 281.7





#54

o-Xylene

Concen: 45.634 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

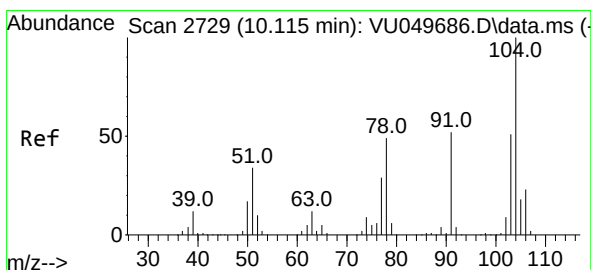
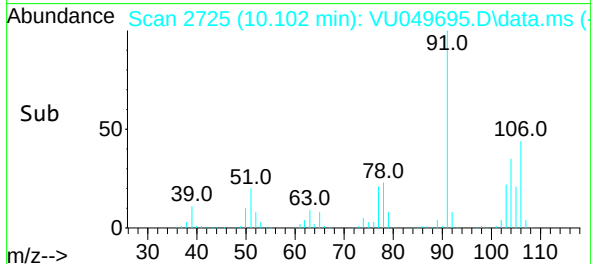
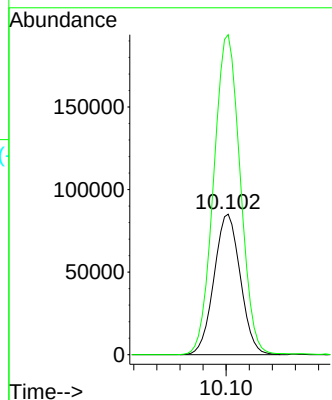
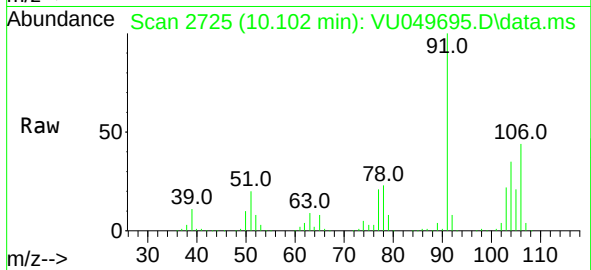
VSTD050160

Tgt Ion:106 Resp: 134567

Ion Ratio Lower Upper

106 100

91 227.7 156.9 291.5



#55

Styrene

Concen: 47.732 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU049695.D

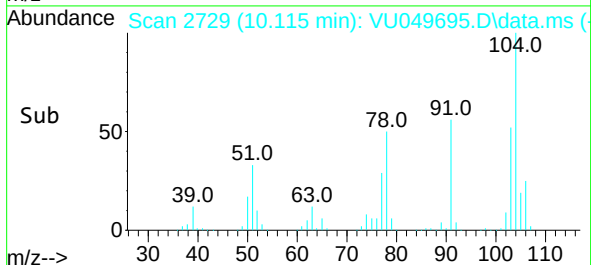
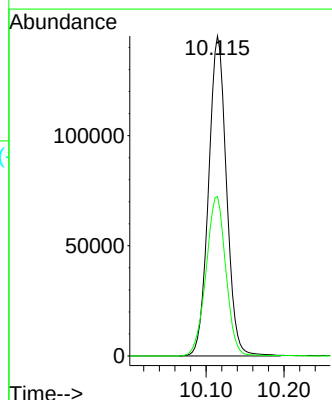
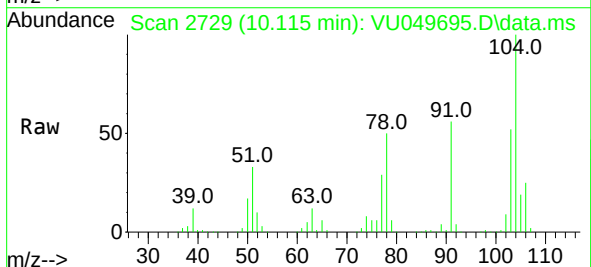
Acq: 12 Jul 2022 15:44

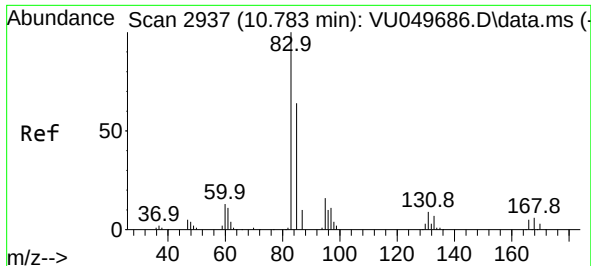
Tgt Ion:104 Resp: 232285

Ion Ratio Lower Upper

104 100

78 49.8 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 46.839 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

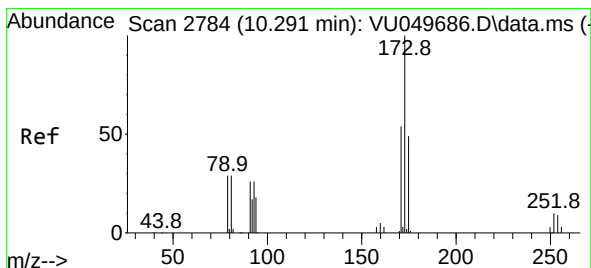
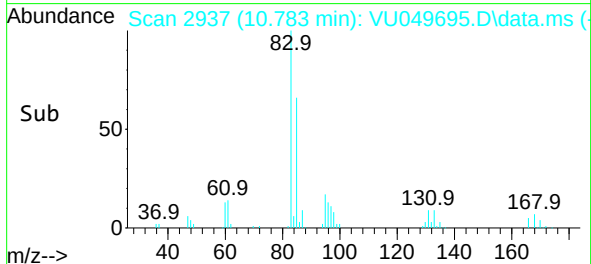
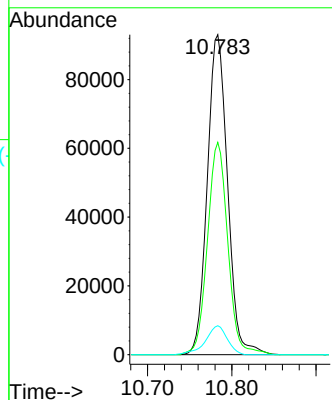
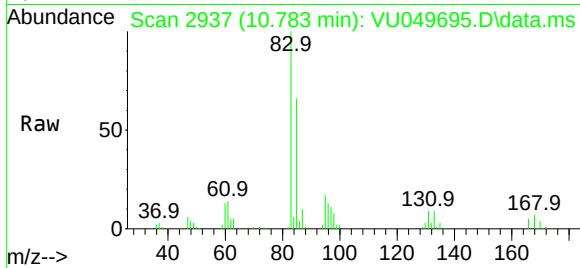
Tgt Ion: 83 Resp: 155771

Ion Ratio Lower Upper

83 100

85 66.4 45.0 83.6

131 9.0 7.0 10.6



#59

Bromoform

Concen: 44.307 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

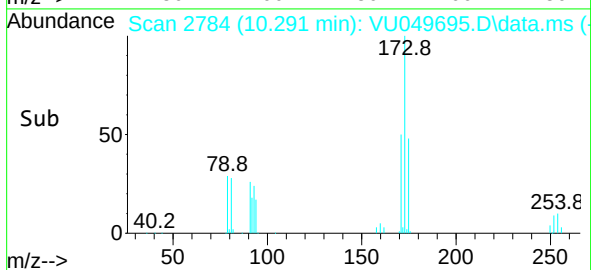
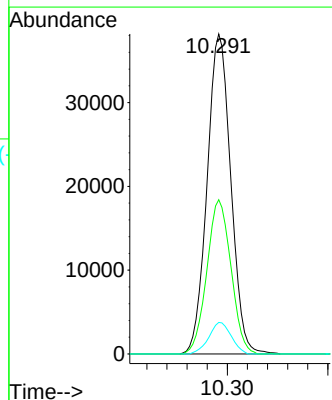
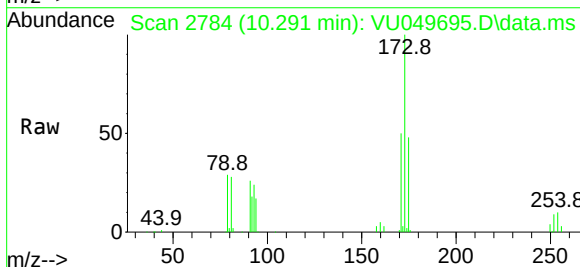
Tgt Ion: 173 Resp: 62416

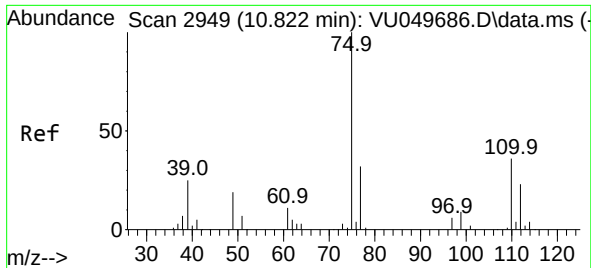
Ion Ratio Lower Upper

173 100

175 49.0 38.6 58.0

254 9.3 7.4 11.0

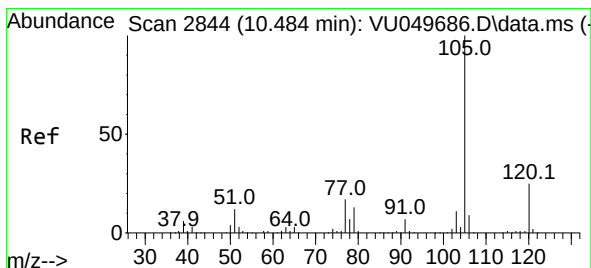
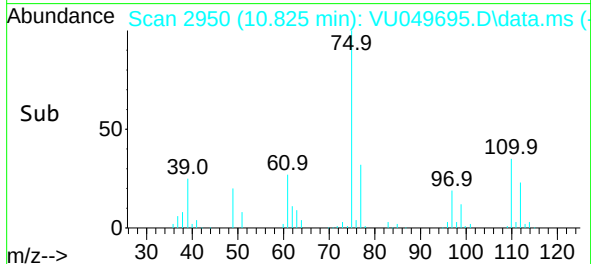
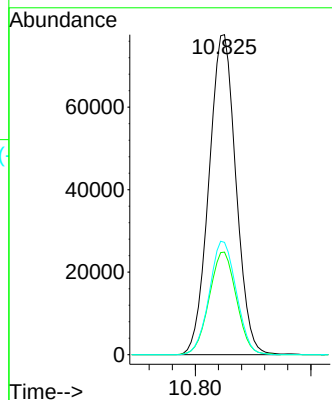
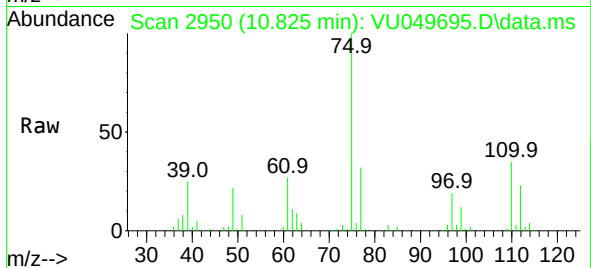




#60
1,2,3-Trichloropropane
Concen: 45.030 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

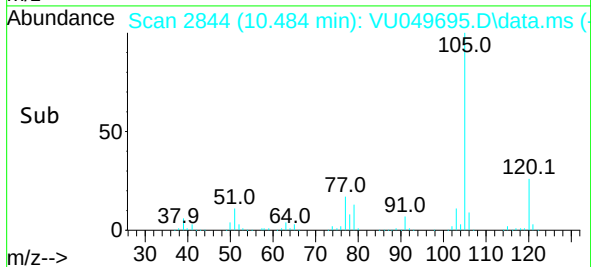
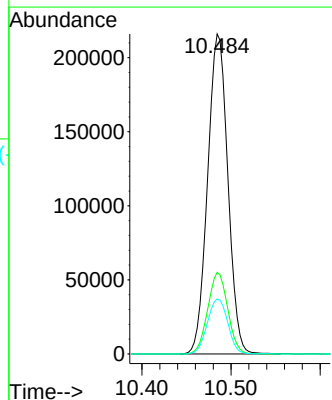
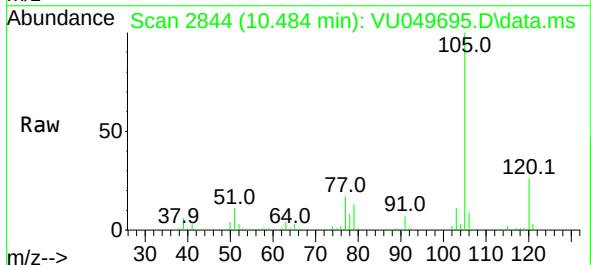
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

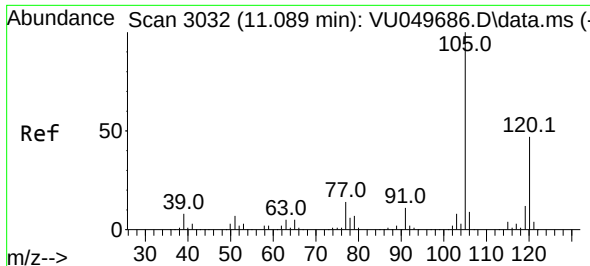
Tgt Ion:	75	Resp:	125974
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3
110	35.5	28.9	43.3



#61
Isopropylbenzene
Concen: 43.395 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion:	105	Resp:	340325
Ion	Ratio	Lower	Upper
105	100		
120	25.1	19.9	29.9
77	17.3	13.8	20.8

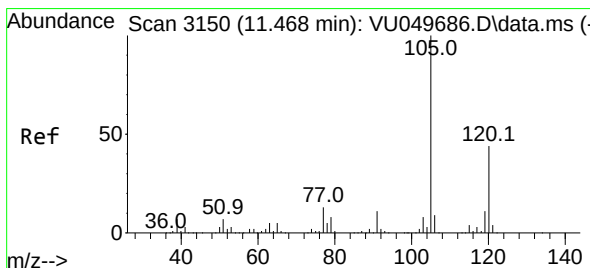
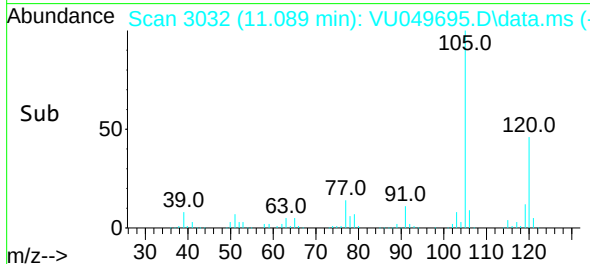
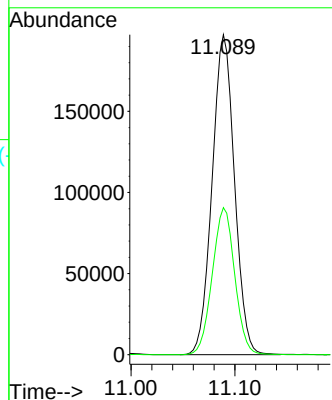
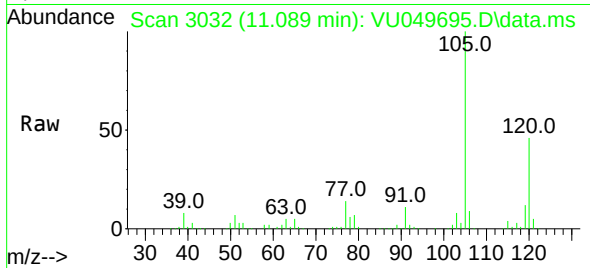




#62
 1,3,5-Trimethylbenzene
 Concen: 44.615 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU049695.D
 Acq: 12 Jul 2022 15:44

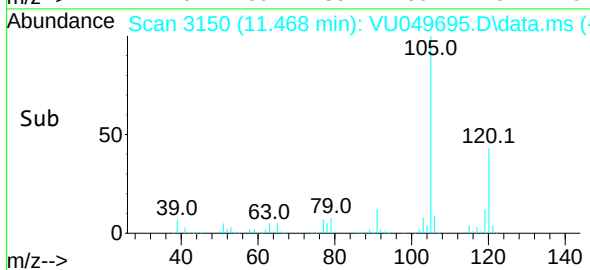
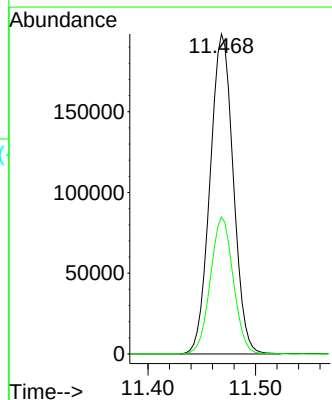
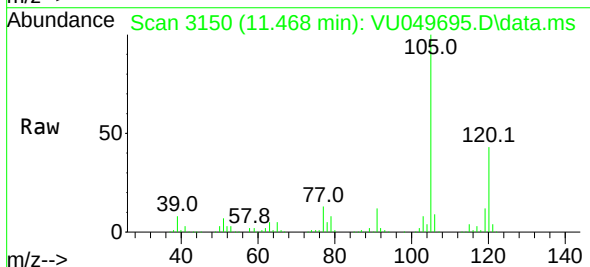
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050160

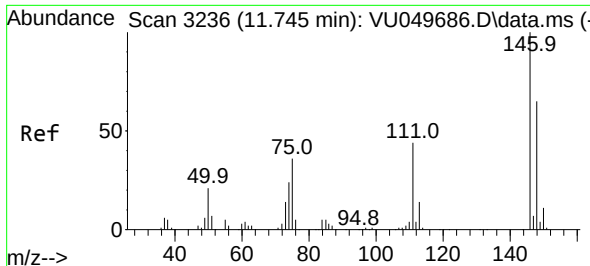
Tgt Ion:105 Resp: 295136
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 45.243 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU049695.D
 Acq: 12 Jul 2022 15:44

Tgt Ion:105 Resp: 297334
 Ion Ratio Lower Upper
 105 100
 120 42.1 33.9 50.9

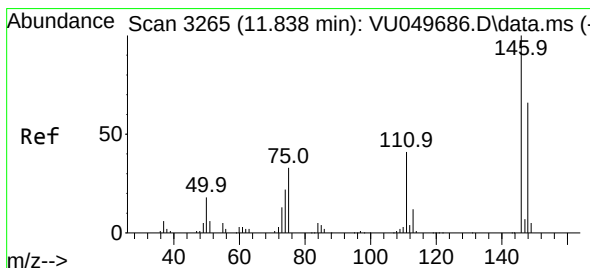
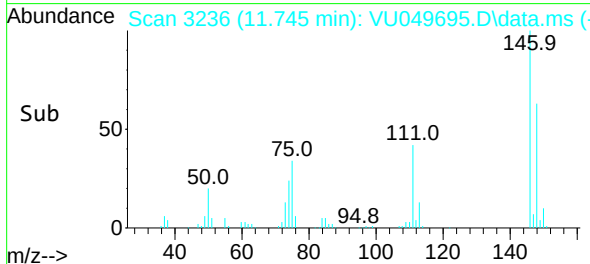
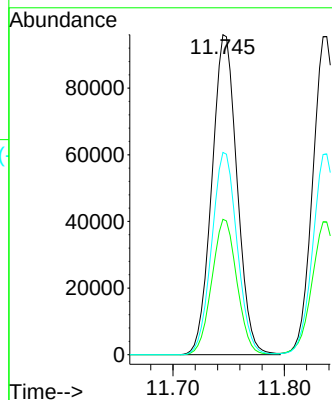
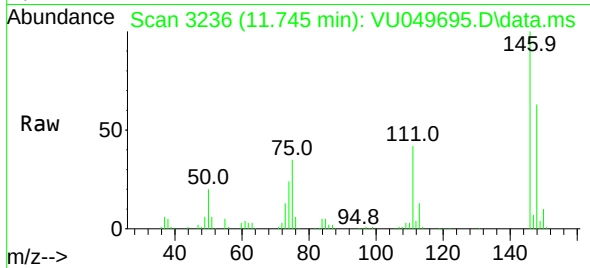




#64
1,3-Dichlorobenzene
Concen: 44.143 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

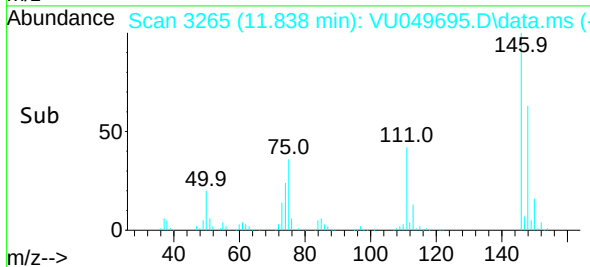
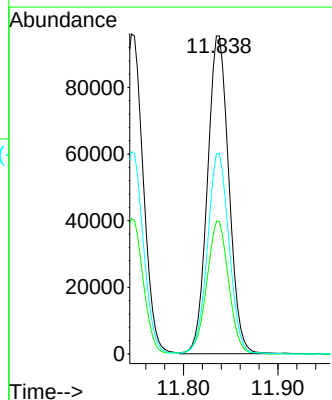
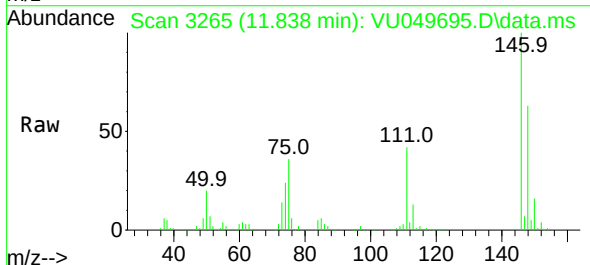
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

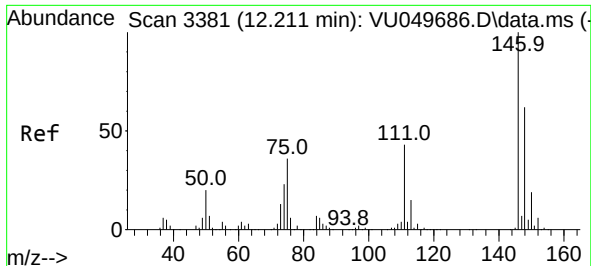
Tgt Ion:146 Resp: 151124
Ion Ratio Lower Upper
146 100
111 42.3 30.0 55.6
148 63.2 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 43.631 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion:146 Resp: 150047
Ion Ratio Lower Upper
146 100
111 41.7 29.1 54.1
148 63.1 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 44.753 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

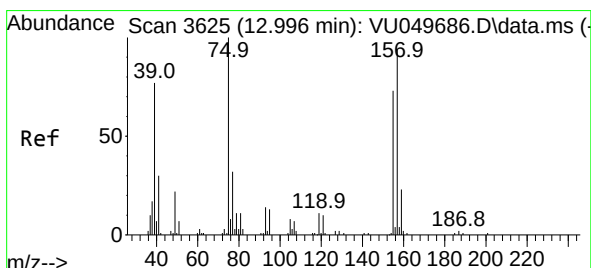
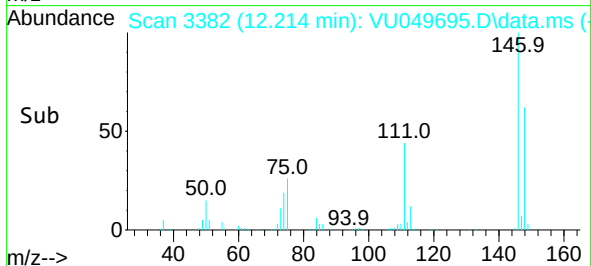
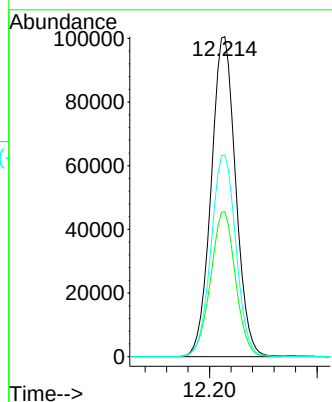
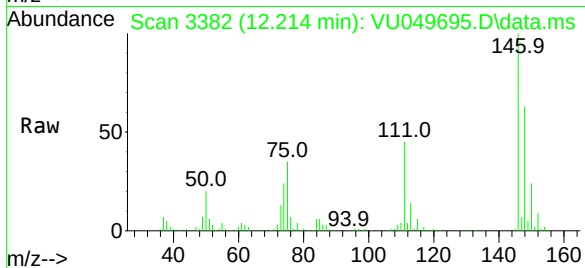
Tgt Ion:146 Resp: 159315

Ion Ratio Lower Upper

146 100

111 45.3 35.8 53.8

148 63.1 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 44.992 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049695.D

Acq: 12 Jul 2022 15:44

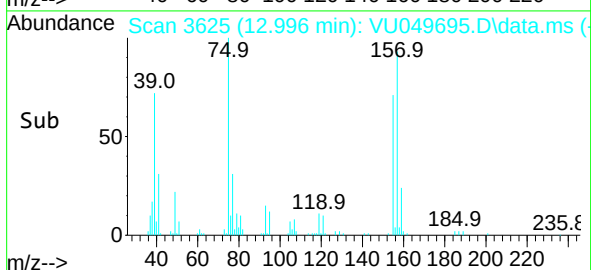
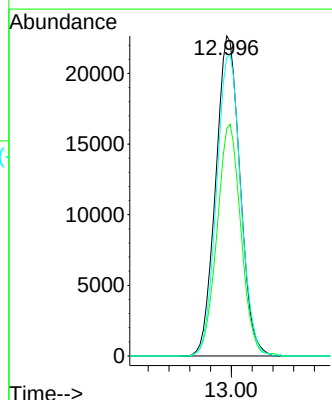
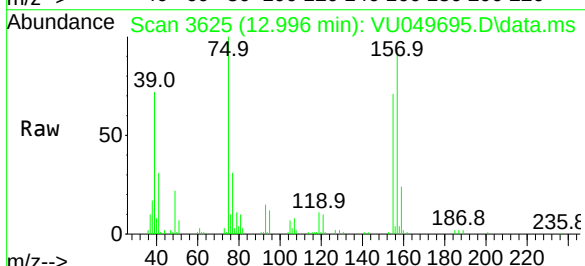
Tgt Ion: 75 Resp: 36881

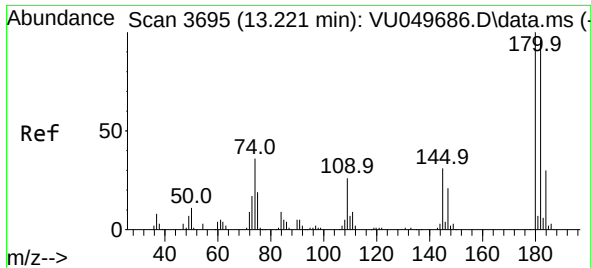
Ion Ratio Lower Upper

75 100

155 71.0 57.7 86.5

157 93.4 75.6 113.4

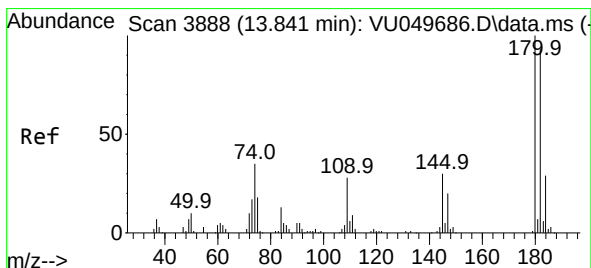
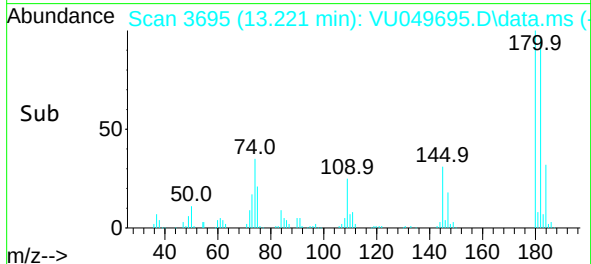
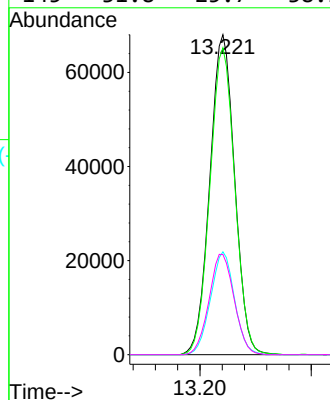
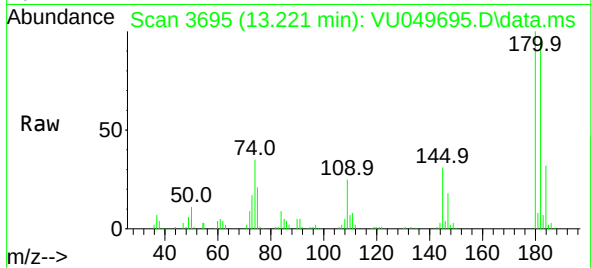




#69
1,3,5-Trichlorobenzene
Concen: 43.886 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

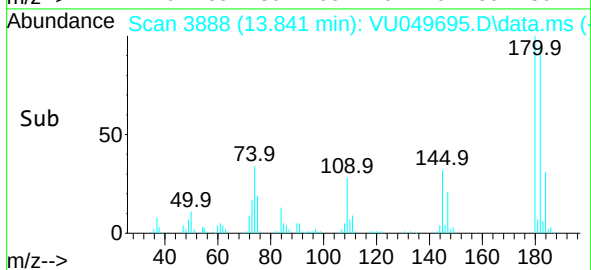
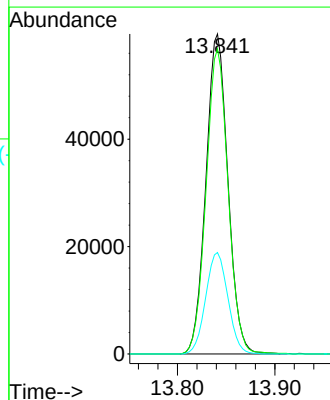
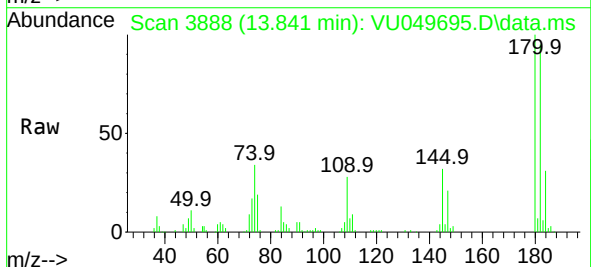
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

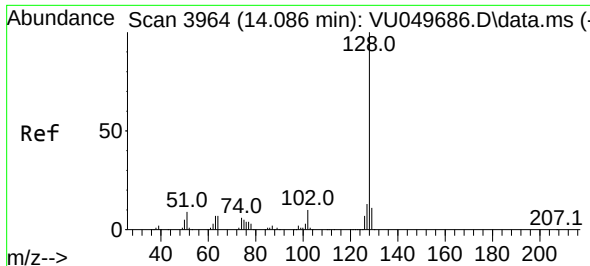
Tgt Ion:180 Resp: 105279
Ion Ratio Lower Upper
180 100
182 96.1 76.0 114.0
184 31.0 24.0 36.0
145 31.8 25.7 38.5



#70
1,2,4-trichlorobenzene
Concen: 42.508 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion:180 Resp: 93579
Ion Ratio Lower Upper
180 100
182 95.3 74.8 112.2
145 32.0 24.7 37.1

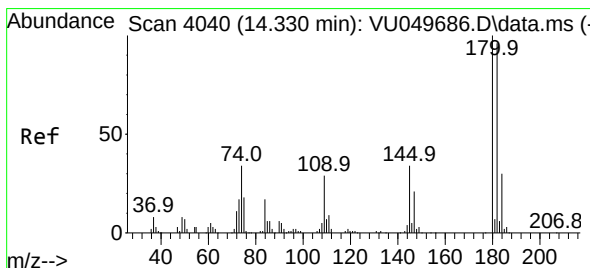
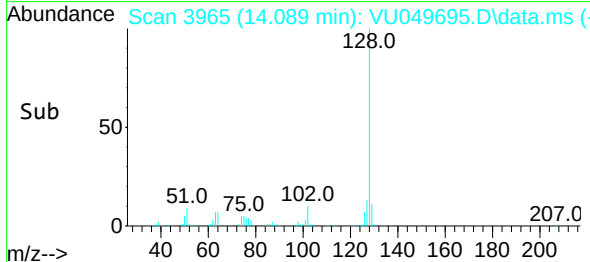
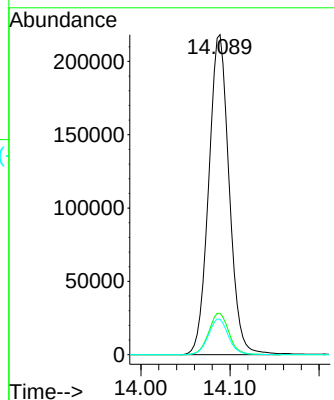
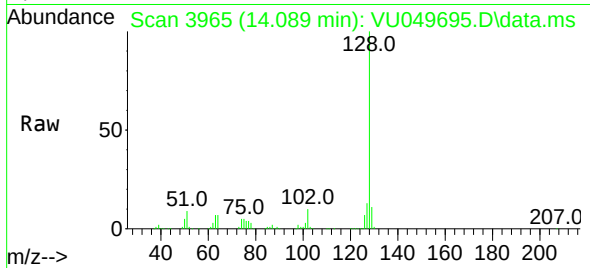




#71
Naphthalene
Concen: 44.184 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

Tgt Ion:128 Resp: 347724
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 44.658 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU049695.D
Acq: 12 Jul 2022 15:44

Tgt Ion:180 Resp: 101839
Ion Ratio Lower Upper
180 100
182 96.5 76.6 115.0
145 34.5 27.1 40.7

