

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071322\
 Data File : VU049706.D
 Acq On : 13 Jul 2022 16:37
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050162

Quant Time: Jul 14 05:10:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 14 05:07:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	204822	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	197087	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	97941	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	68862	39.847	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.700%
7) Chloroethane-d5	1.896	69	52653	42.150	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.300%
11) 1,1-Dichloroethene-d2	2.562	63	128370	42.053	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.100%
21) 2-Butanone-d5	4.620	46	169462	114.867	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.870%
24) Chloroform-d	5.060	84	156653	51.179	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.360%
26) 1,2-Dichloroethane-d4	5.700	65	106061	51.198	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.400%
32) Benzene-d6	5.726	84	279505	46.682	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.360%
36) 1,2-Dichloropropane-d6	6.690	67	99988	49.648	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.300%
41) Toluene-d8	7.896	98	245540	47.091	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.180%
43) trans-1,3-Dichloroprop...	8.179	79	41170	48.520	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.040%
47) 2-Hexanone-d5	8.632	63	103318	114.048	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.050%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	152481	54.111	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.220%
66) 1,2-Dichlorobenzene-d4	12.195	152	90140	48.813	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	101203	41.220	ug/L	99
3) Chloromethane	1.523	50	136887	50.801	ug/L	99
5) Vinyl chloride	1.601	62	109489	44.966	ug/L	99
6) Bromomethane	1.832	94	56507	50.228	ug/L	100
8) Chloroethane	1.919	64	60640	44.957	ug/L	99
9) Trichlorofluoromethane	2.128	101	131773	43.822	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	65441	41.474	ug/L	99
12) 1,1-Dichloroethene	2.575	96	65605	44.799	ug/L	97
13) Acetone	2.623	43	120524	85.963	ug/L	98
14) Carbon disulfide	2.787	76	200253	40.551	ug/L	100
15) Methyl Acetate	2.945	43	128675	56.491	ug/L	100
16) Methylene chloride	3.041	84	94847	51.432	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	74858	46.728	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	285928	52.109	ug/L	100
19) 1,1-Dichloroethane	3.867	63	168594	50.551	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	89260	49.577	ug/L	100
22) 2-Butanone	4.700	43	197812	105.381	ug/L	100
23) Bromochloromethane	4.973	128	46649	51.927	ug/L	97
25) Chloroform	5.086	83	172000	51.430	ug/L	100

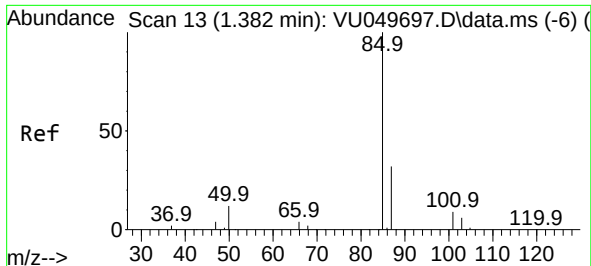
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071322\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	148460	52.133	ug/L	98
29) Cyclohexane	5.388	56	124969	40.623	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	135558	47.510	ug/L	100
31) Carbon tetrachloride	5.523	117	105568	45.237	ug/L	99
33) Benzene	5.771	78	361811	48.839	ug/L	100
34) Trichloroethene	6.539	95	83027	46.365	ug/L	97
35) Methylcyclohexane	6.761	83	112002	39.802	ug/L	97
37) 1,2-Dichloropropane	6.790	63	104411	50.849	ug/L	99
38) Bromodichloromethane	7.105	83	127266	49.990	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	143540	51.832	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	370284	111.392	ug/L	99
42) Toluene	7.970	91	362385	49.219	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	135423	52.081	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	93339	52.078	ug/L	98
46) Tetrachloroethene	8.552	164	54016	43.491	ug/L	99
48) 2-Hexanone	8.684	43	301561	113.523	ug/L	99
49) Dibromochloromethane	8.809	129	94495	52.420	ug/L	95
50) 1,2-Dibromoethane	8.925	107	94994	53.356	ug/L	100
51) Chlorobenzene	9.446	112	215087	48.240	ug/L	99
52) Ethylbenzene	9.568	91	368552	47.435	ug/L	98
53) m,p-Xylene	9.693	106	135998	48.138	ug/L	99
54) o-Xylene	10.099	106	141051	49.583	ug/L	97
55) Styrene	10.115	104	241071	51.350	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	173884	54.198	ug/L	100
59) Bromoform	10.292	173	67855	51.655	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	138416	53.058	ug/L	100
61) Isopropylbenzene	10.484	105	347694	47.543	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	302513	49.040	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	304856	49.746	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	154810	48.492	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	154406	48.149	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	164292	49.491	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	40602	53.116	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	105249	47.049	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	89412	43.554	ug/L	99
71) Naphthalene	14.086	128	344598	46.956	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	98573	46.355	ug/L	100

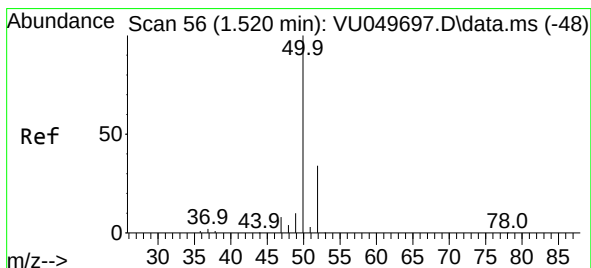
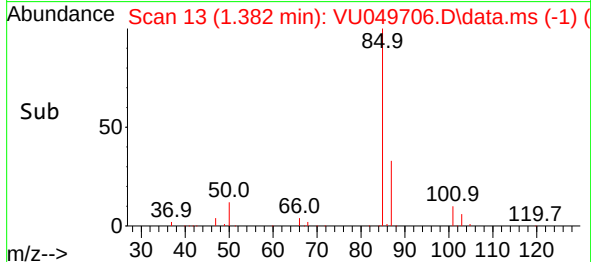
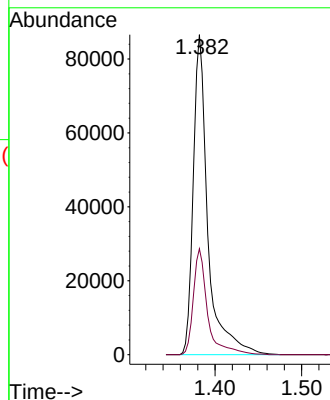
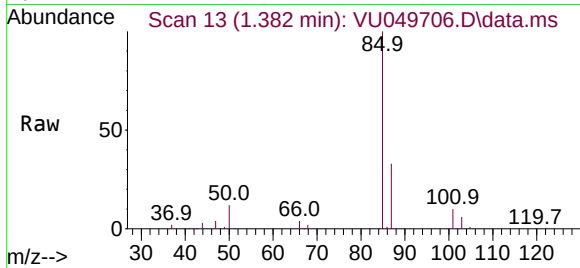
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 41.220 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

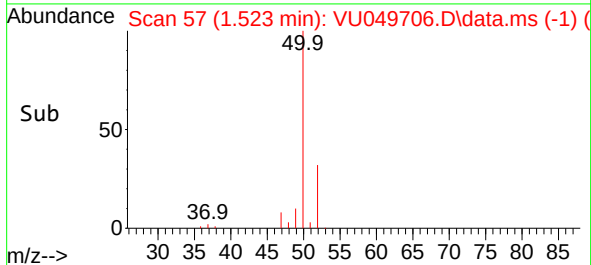
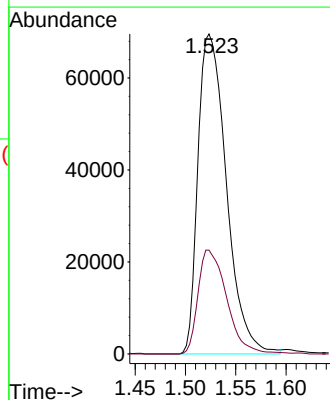
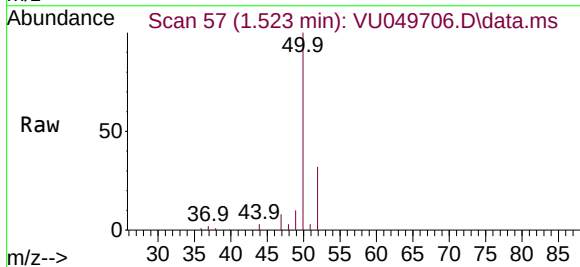
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

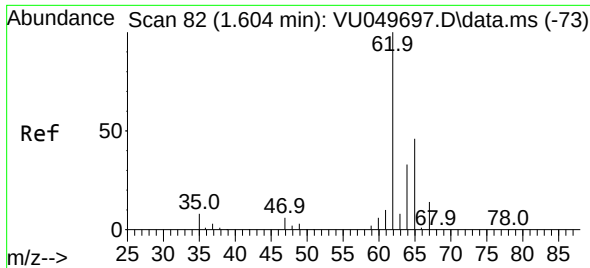
Tgt Ion: 85 Resp: 101203
Ion Ratio Lower Upper
85 100
87 32.3 26.3 39.5



#3
Chloromethane
Concen: 50.801 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion: 50 Resp: 136887
Ion Ratio Lower Upper
50 100
52 32.5 23.2 43.0

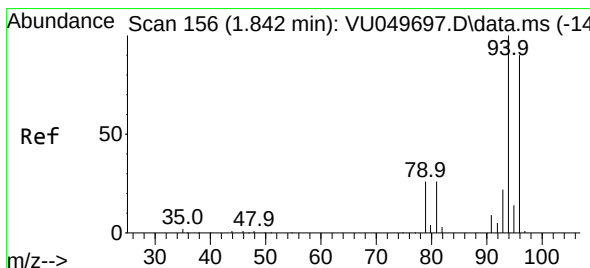
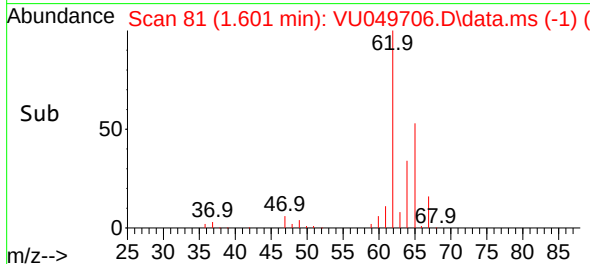
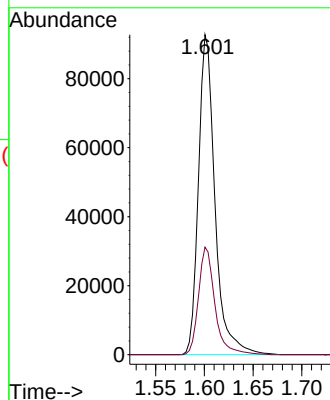
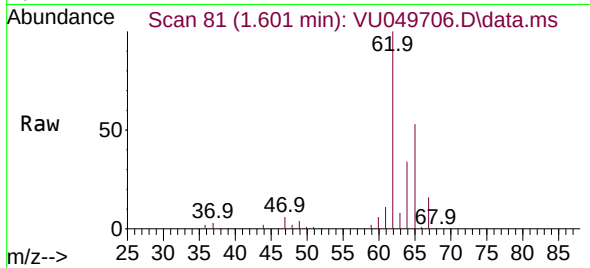




#5
 Vinyl chloride
 Concen: 44.966 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU049706.D
 Acq: 13 Jul 2022 16:37

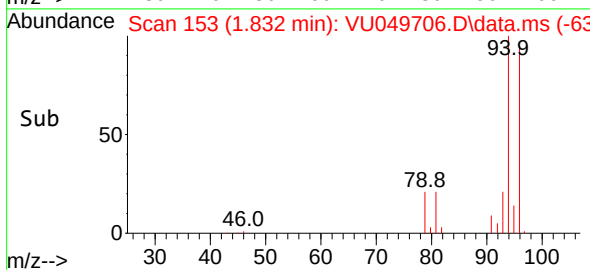
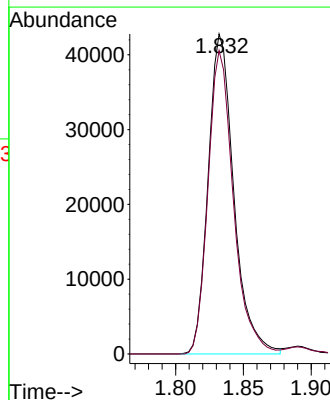
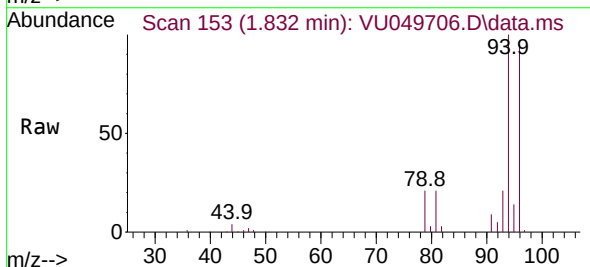
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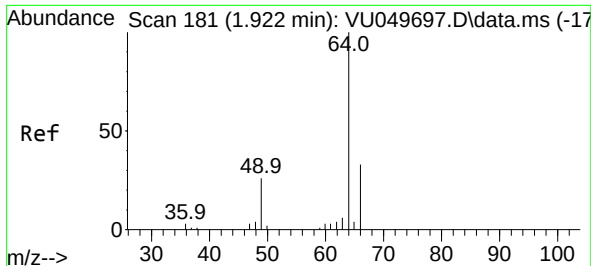
Tgt Ion: 62 Resp: 109489
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.0 42.6



#6
 Bromomethane
 Concen: 50.228 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.010 min
 Lab File: VU049706.D
 Acq: 13 Jul 2022 16:37

Tgt Ion: 94 Resp: 56507
 Ion Ratio Lower Upper
 94 100
 96 94.8 66.1 122.7

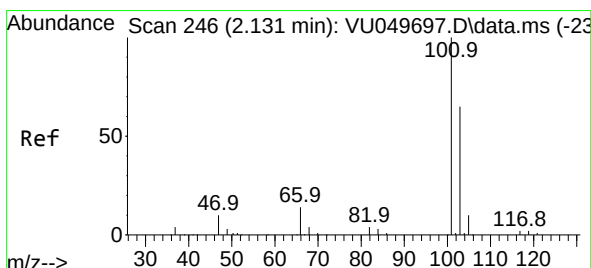
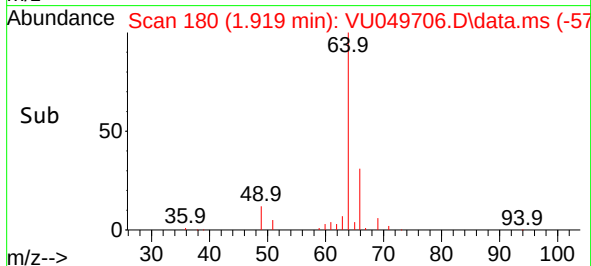
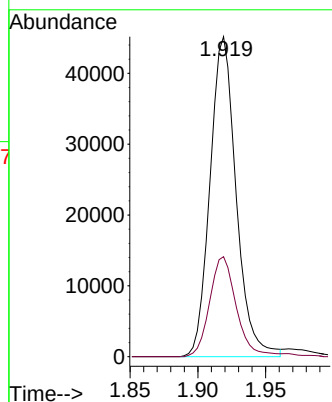
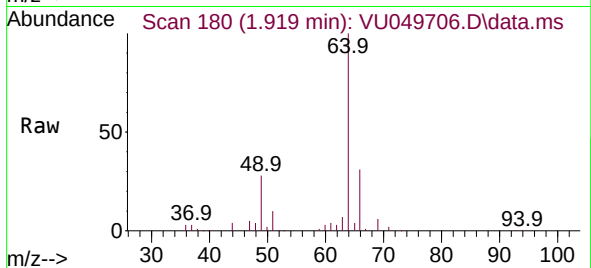




#8
Chloroethane
Concen: 44.957 ug/L
RT: 1.919 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

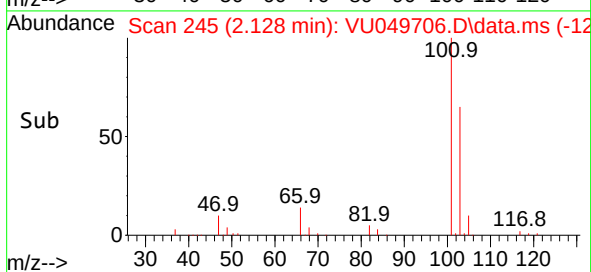
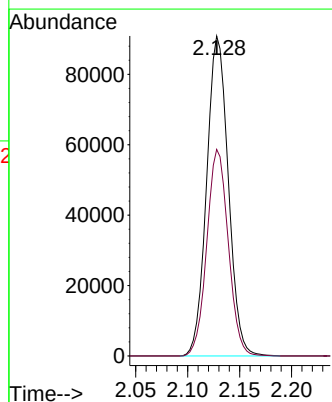
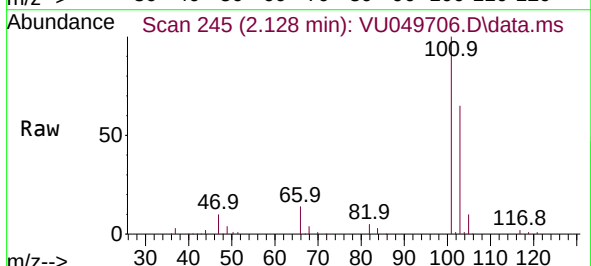
Instrument :
MSVOA_U
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VSTD050162

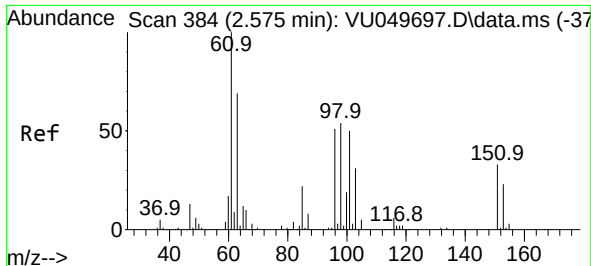
Tgt Ion: 64 Resp: 60640
Ion Ratio Lower Upper
64 100
66 31.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 43.822 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion:101 Resp: 131773
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 41.474 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

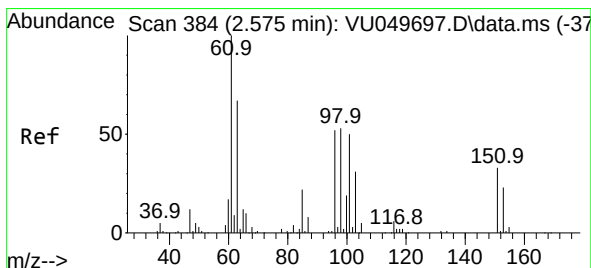
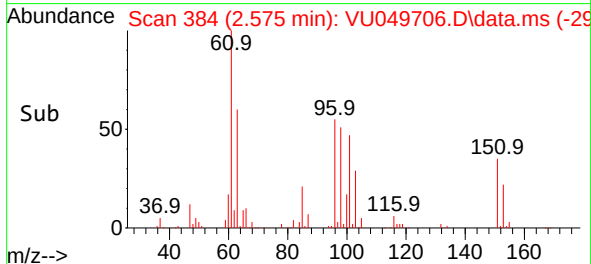
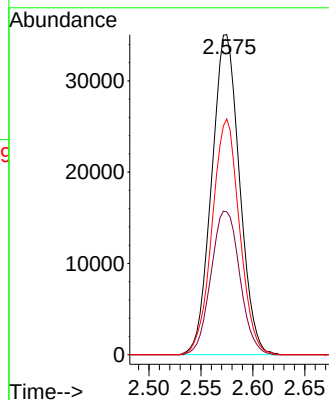
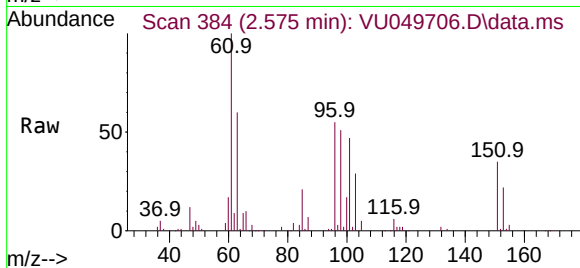
Tgt Ion:101 Resp: 65441

Ion Ratio Lower Upper

101 100

85 46.4 37.3 55.9

151 72.5 56.9 85.3



#12

1,1-Dichloroethene

Concen: 44.799 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

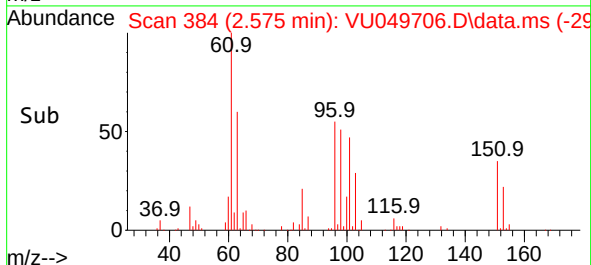
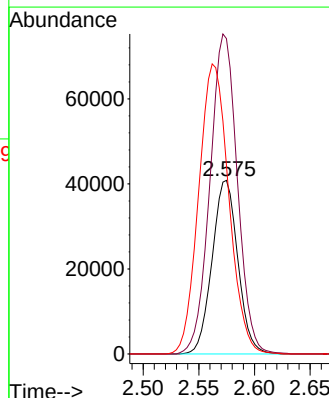
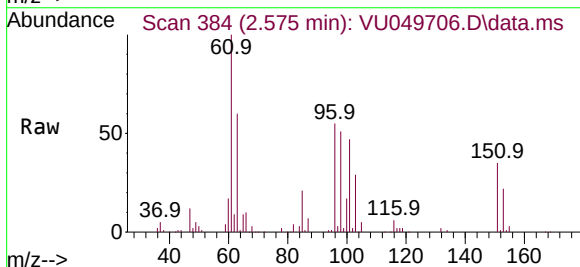
Tgt Ion: 96 Resp: 65605

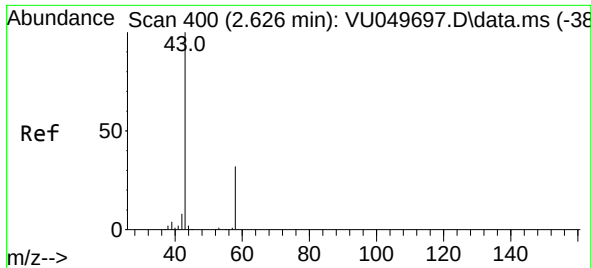
Ion Ratio Lower Upper

96 100

61 181.7 129.6 240.6

63 108.7 79.0 146.6





#13

Acetone

Concen: 85.963 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

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MSVOA_U

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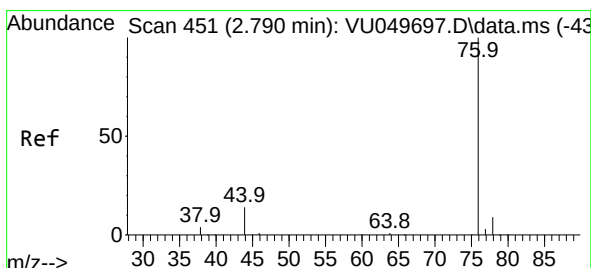
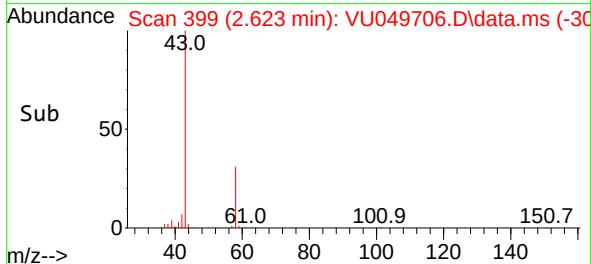
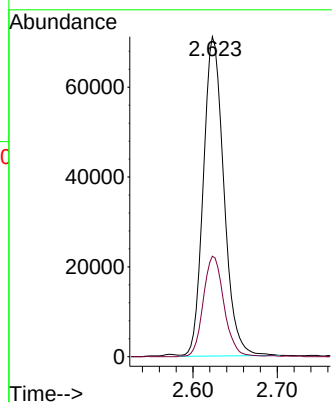
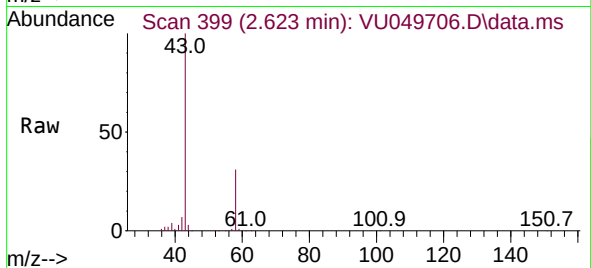
VSTD050162

Tgt Ion: 43 Resp: 120524

Ion Ratio Lower Upper

43 100

58 31.8 0.0 61.4



#14

Carbon disulfide

Concen: 40.551 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049706.D

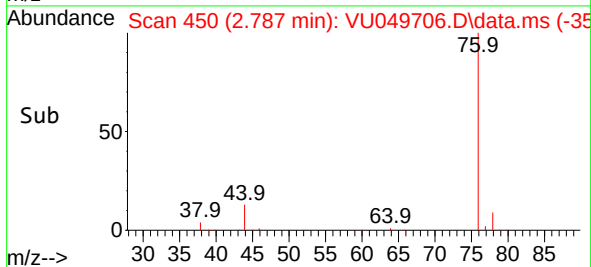
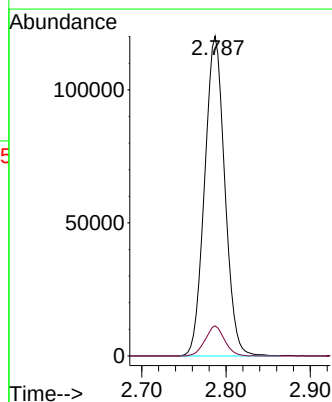
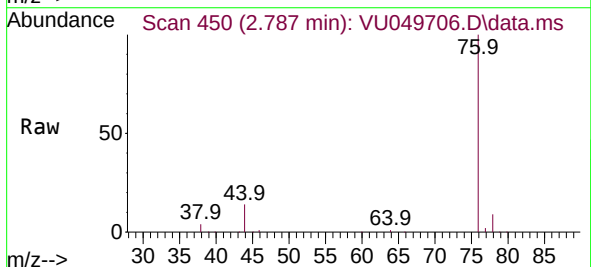
Acq: 13 Jul 2022 16:37

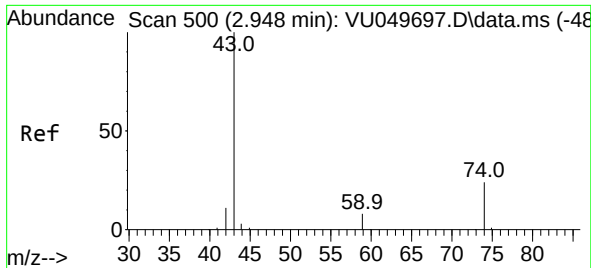
Tgt Ion: 76 Resp: 200253

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

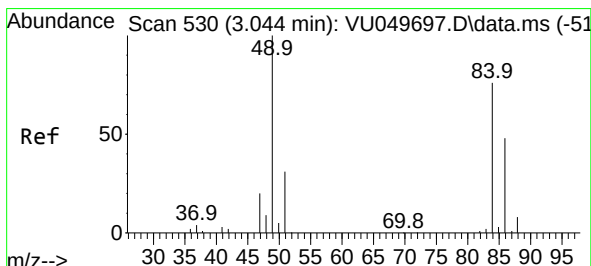
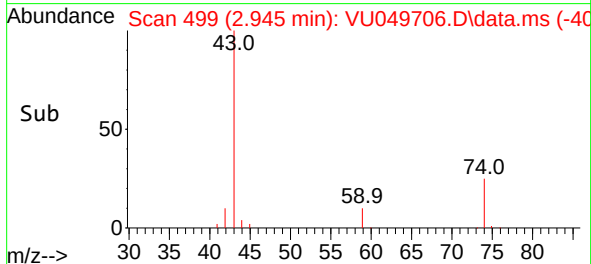
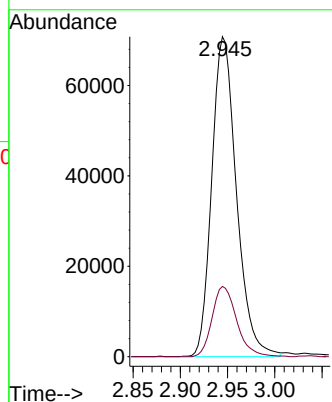
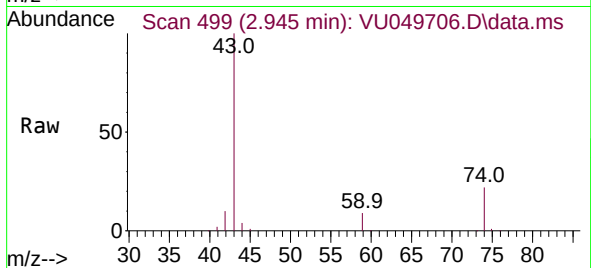




#15
Methyl Acetate
Concen: 56.491 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

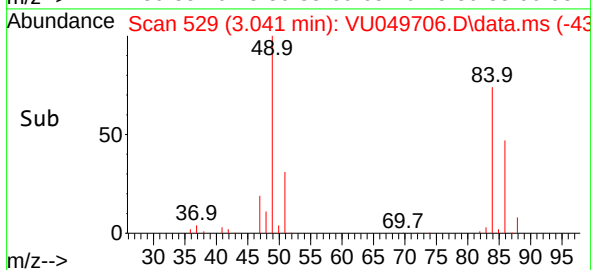
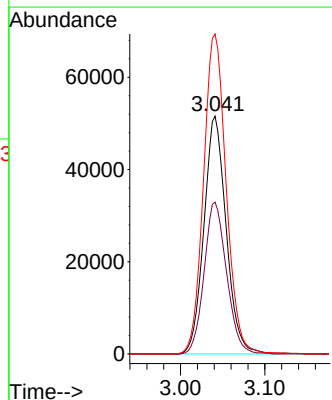
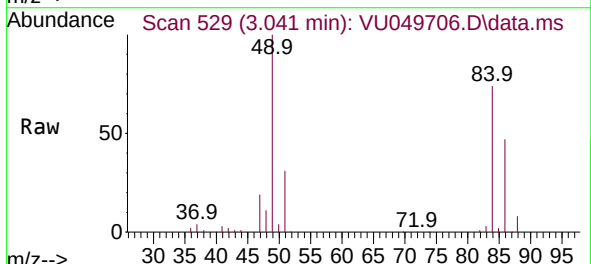
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

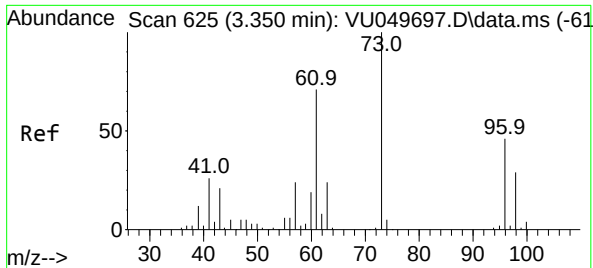
Tgt Ion: 43 Resp: 128675
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.0



#16
Methylene chloride
Concen: 51.432 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion: 84 Resp: 94847
Ion Ratio Lower Upper
84 100
86 63.9 45.6 84.6
49 134.6 94.4 175.4

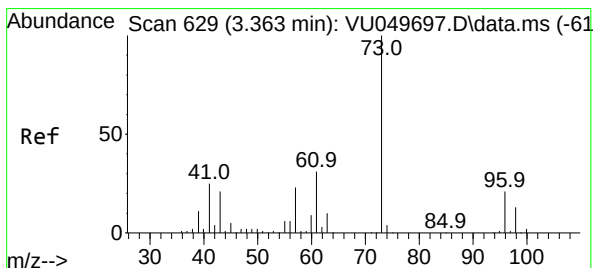
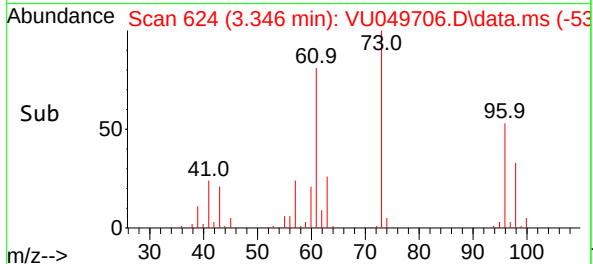
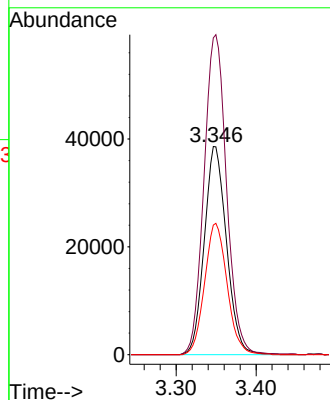
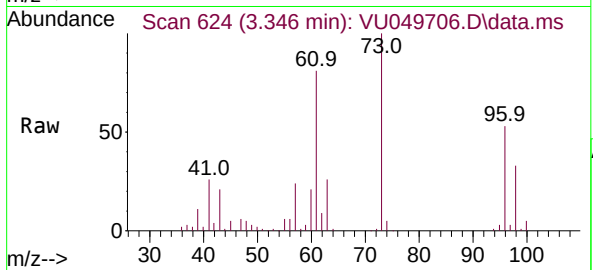




#17
trans-1,2-Dichloroethene
Concen: 46.728 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

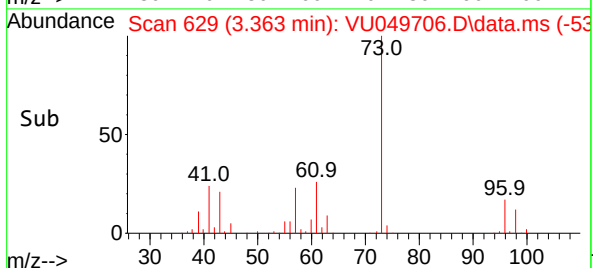
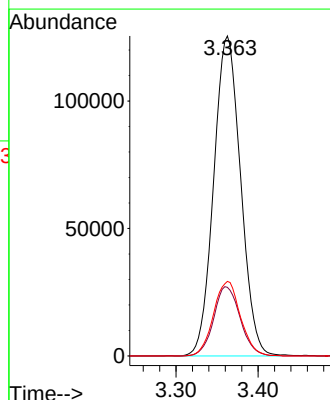
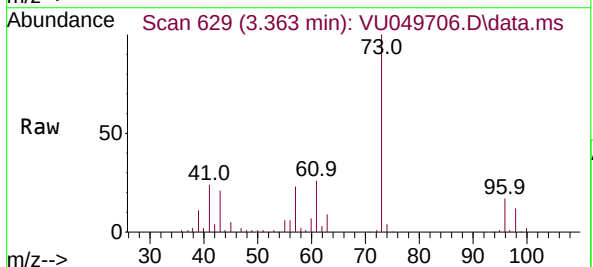
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

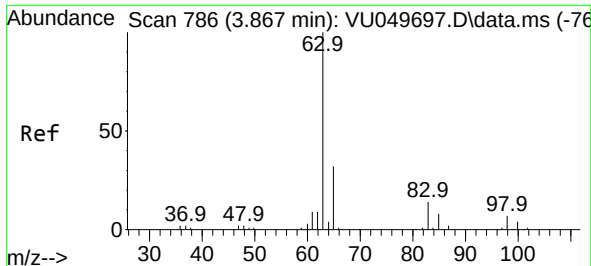
Tgt Ion: 96 Resp: 74858
Ion Ratio Lower Upper
96 100
61 152.2 107.6 199.8
98 62.3 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 52.109 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion: 73 Resp: 285928
Ion Ratio Lower Upper
73 100
43 21.4 17.0 25.4
57 23.4 18.5 27.7





#19

1,1-Dichloroethane

Concen: 50.551 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

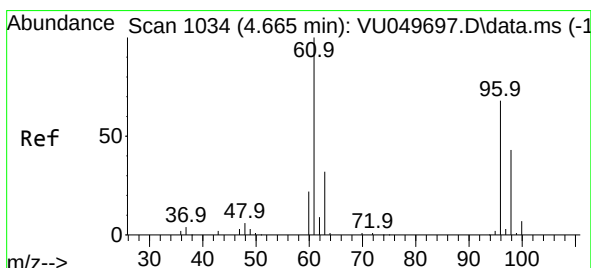
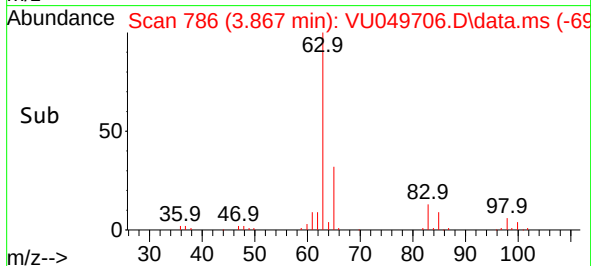
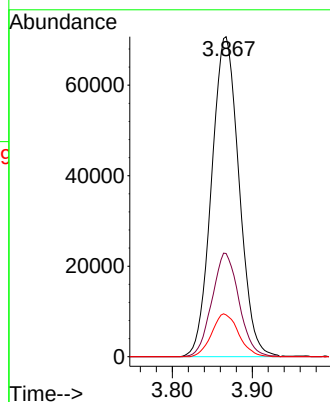
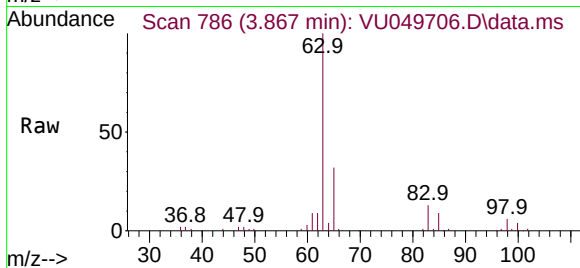
Tgt Ion: 63 Resp: 168594

Ion Ratio Lower Upper

63 100

65 32.2 22.6 42.0

83 13.1 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 49.577 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

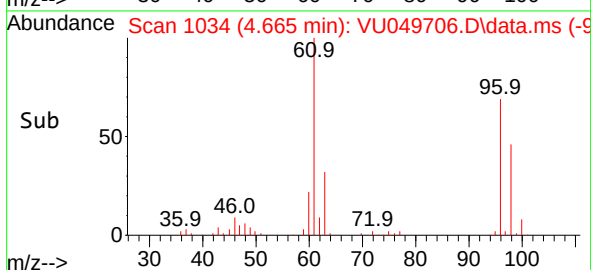
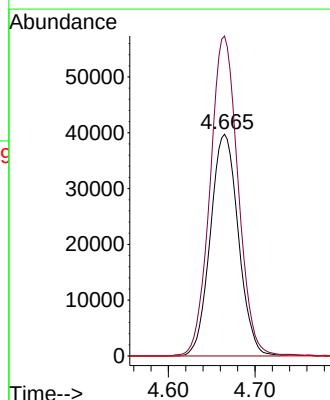
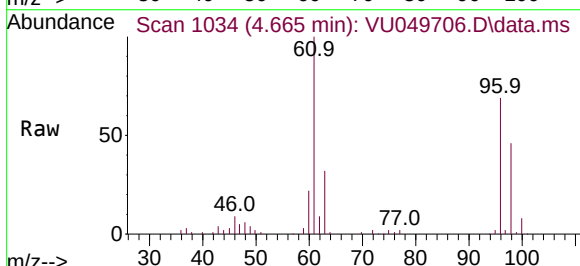
Tgt Ion: 96 Resp: 89260

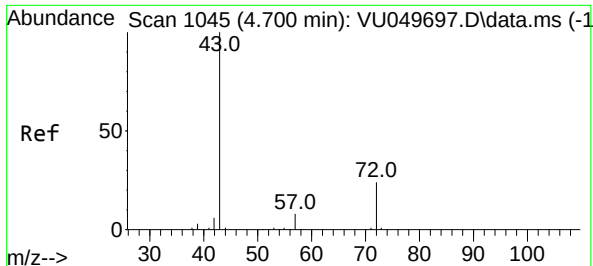
Ion Ratio Lower Upper

96 100

61 144.3 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.381 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

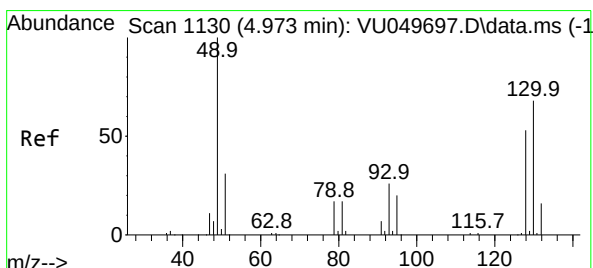
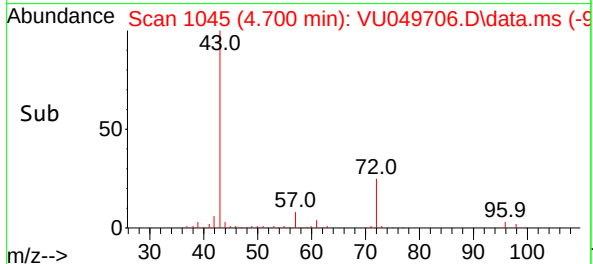
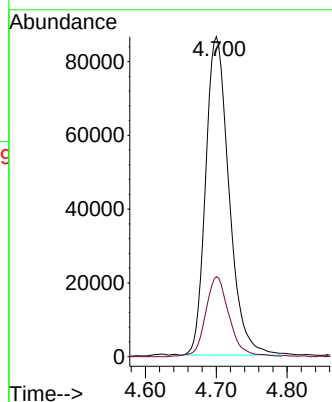
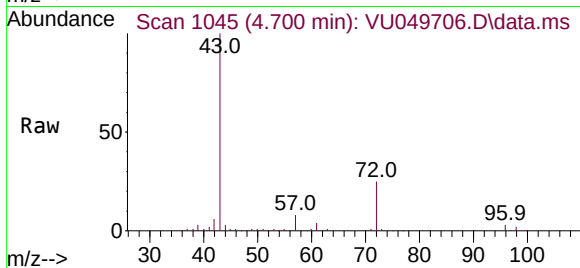
VSTD050162

Tgt Ion: 43 Resp: 197812

Ion Ratio Lower Upper

43 100

72 25.5 12.7 38.0



#23

Bromochloromethane

Concen: 51.927 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Tgt Ion:128 Resp: 46649

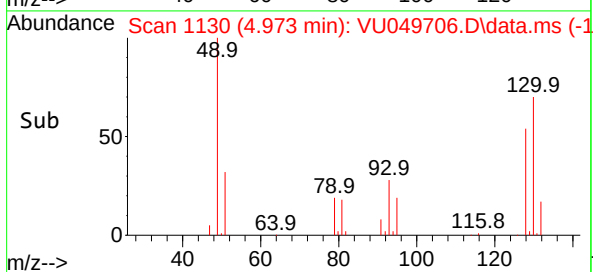
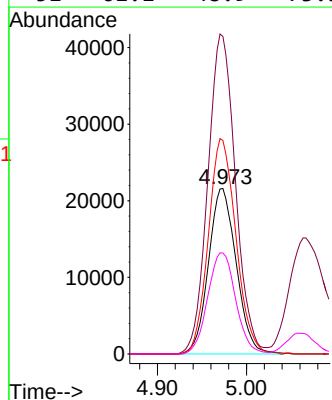
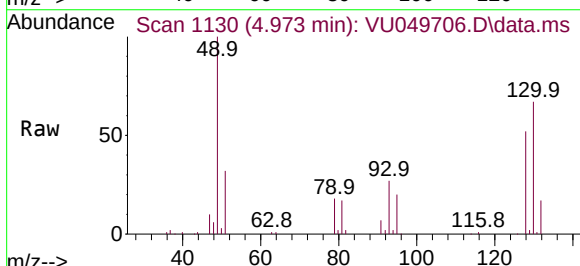
Ion Ratio Lower Upper

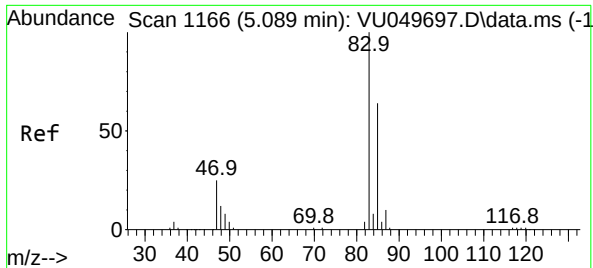
128 100

49 191.9 140.9 261.7

130 129.0 90.0 167.2

51 61.1 48.9 73.3





#25

Chloroform

Concen: 51.430 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

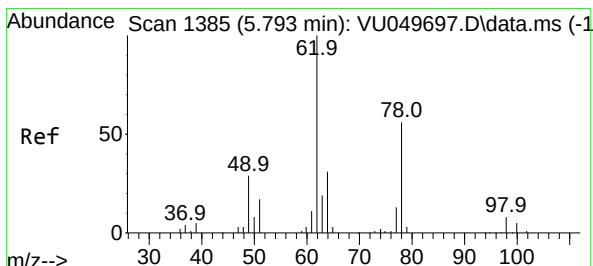
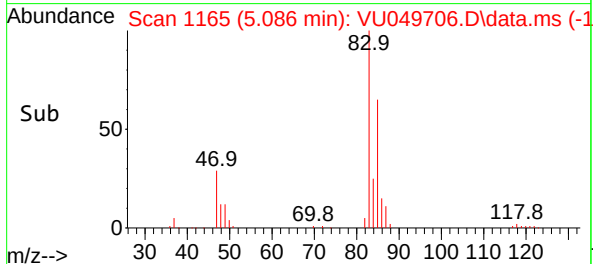
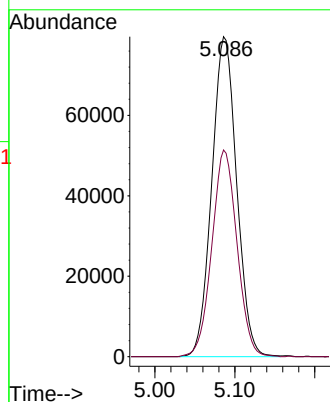
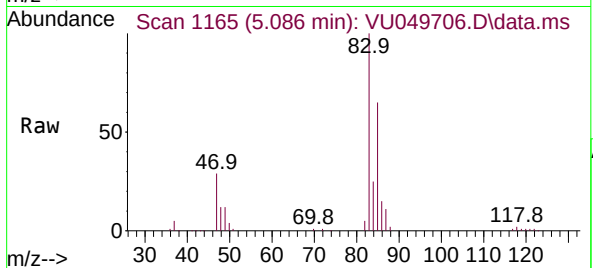
VSTD050162

Tgt Ion: 83 Resp: 172000

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0



#27

1,2-Dichloroethane

Concen: 52.133 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049706.D

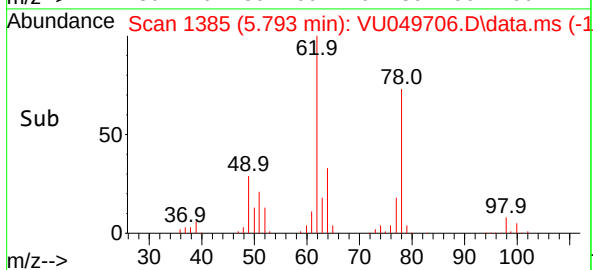
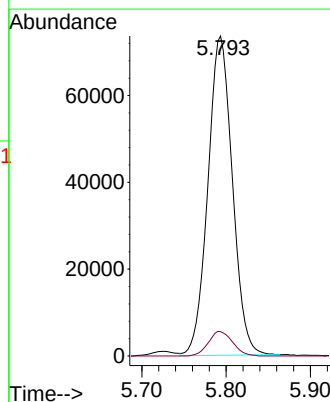
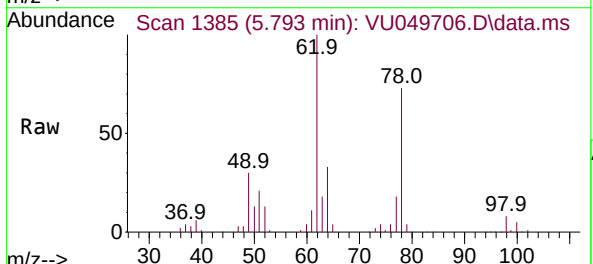
Acq: 13 Jul 2022 16:37

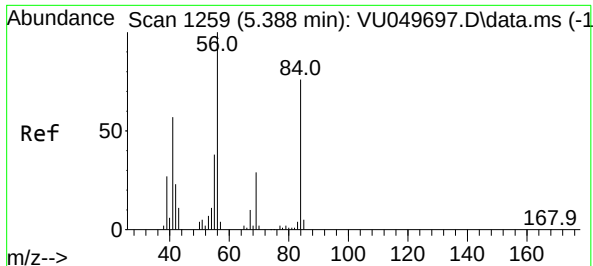
Tgt Ion: 62 Resp: 148460

Ion Ratio Lower Upper

62 100

98 7.6 6.7 10.1





#29

Cyclohexane

Concen: 40.623 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

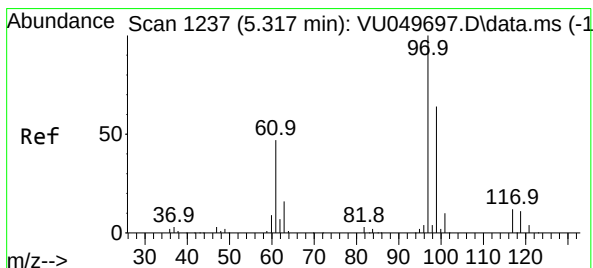
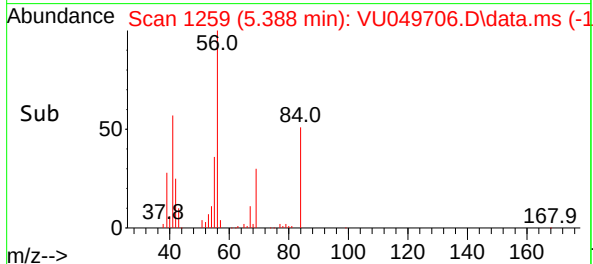
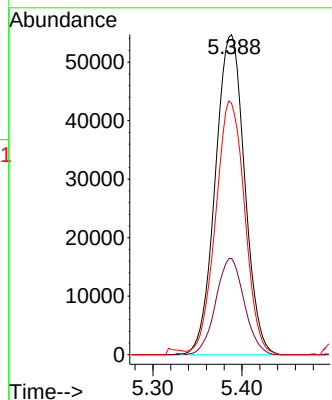
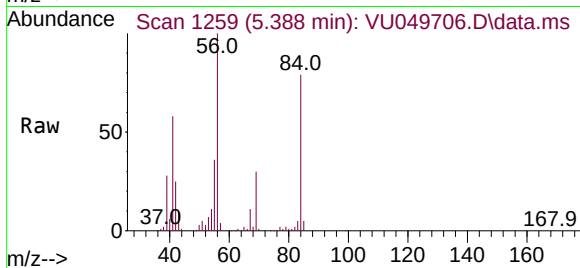
Tgt Ion: 56 Resp: 124969

Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.2

84 78.9 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 47.510 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

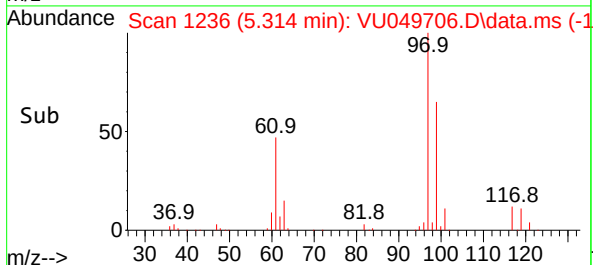
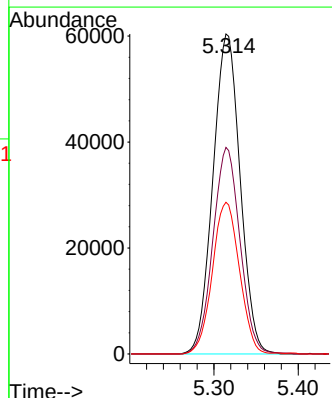
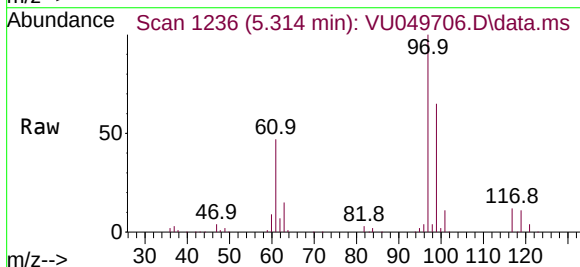
Tgt Ion: 97 Resp: 135558

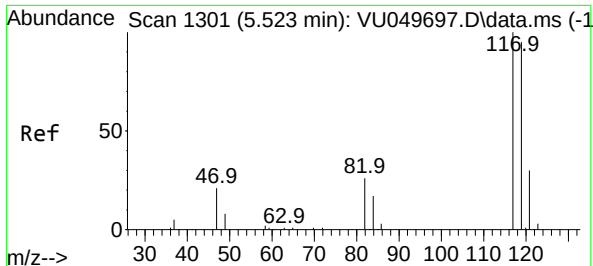
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 47.1 38.2 57.2

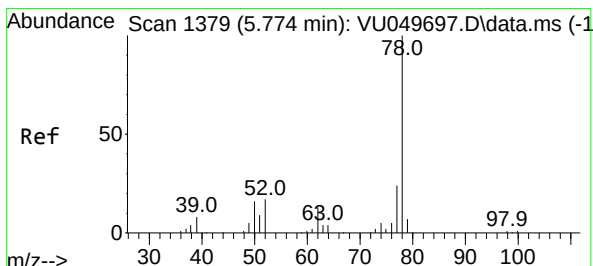
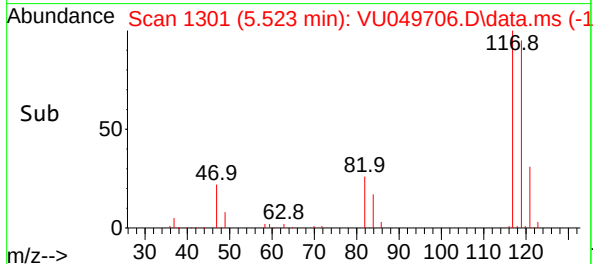
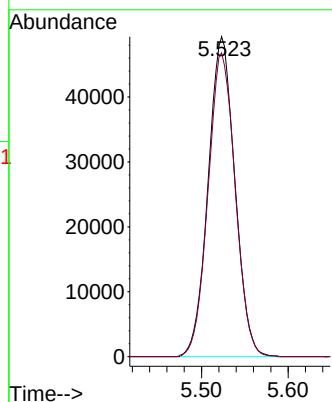
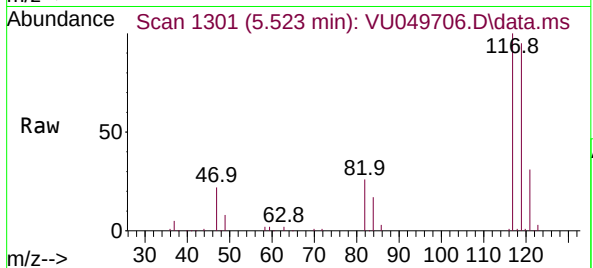




#31
Carbon tetrachloride
Concen: 45.237 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

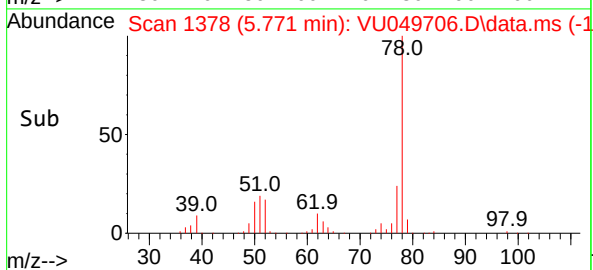
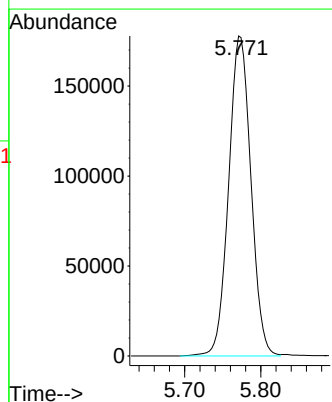
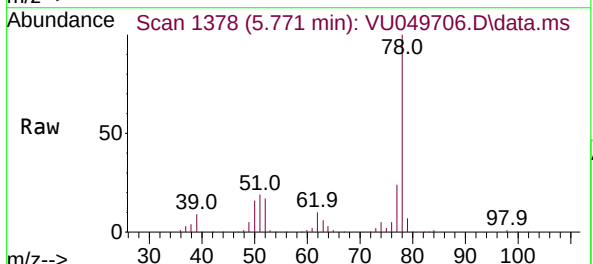
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

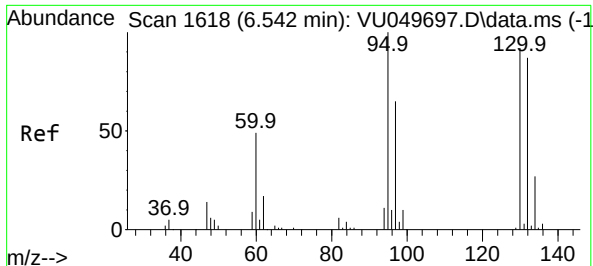
Tgt Ion:117 Resp: 105568
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.8



#33
Benzene
Concen: 48.839 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion: 78 Resp: 361811





#34

Trichloroethene

Concen: 46.365 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

Tgt Ion: 95 Resp: 83027

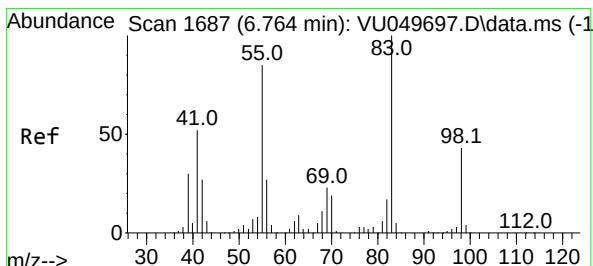
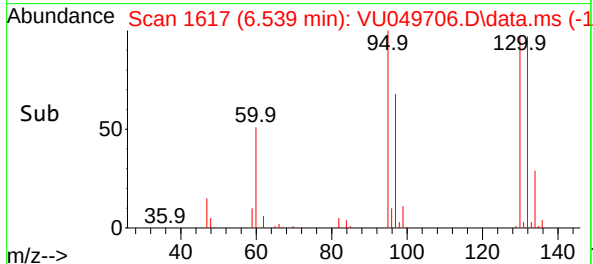
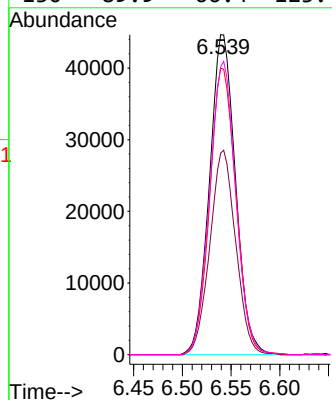
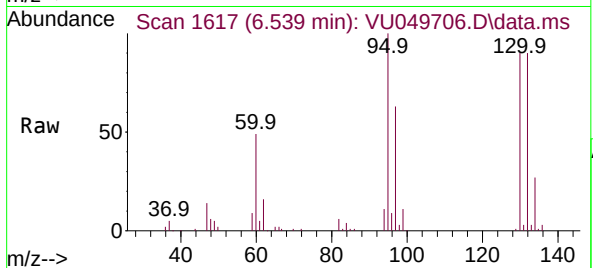
Ion Ratio Lower Upper

95 100

97 63.0 46.9 87.1

132 89.5 62.7 116.5

130 89.9 66.4 123.4



#35

Methylcyclohexane

Concen: 39.802 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.003 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

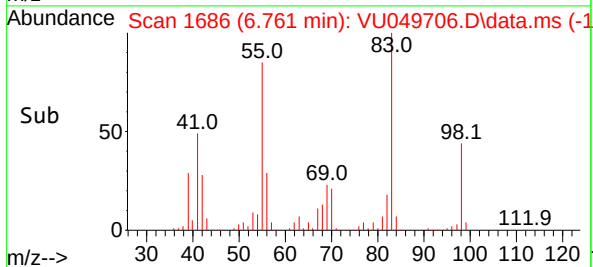
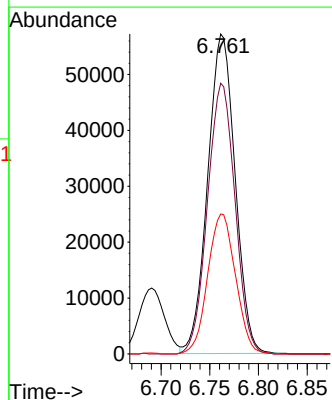
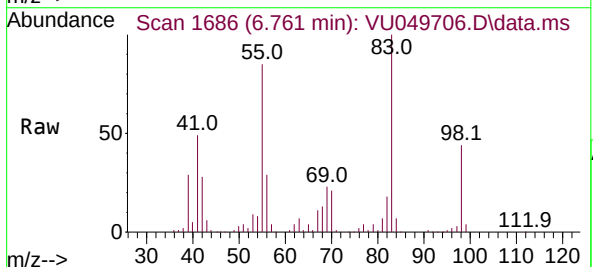
Tgt Ion: 83 Resp: 112002

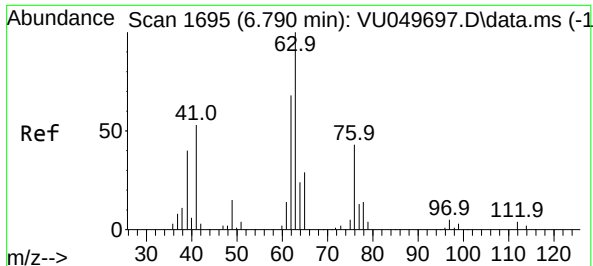
Ion Ratio Lower Upper

83 100

55 85.1 66.0 99.0

98 44.4 34.6 51.8





#37

1,2-Dichloropropane

Concen: 50.849 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

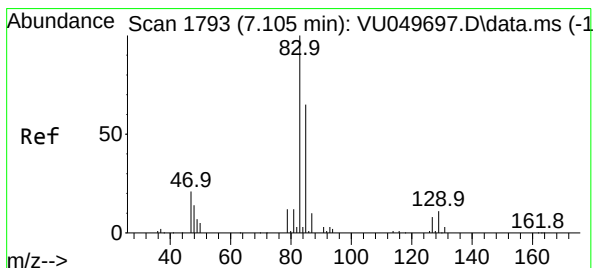
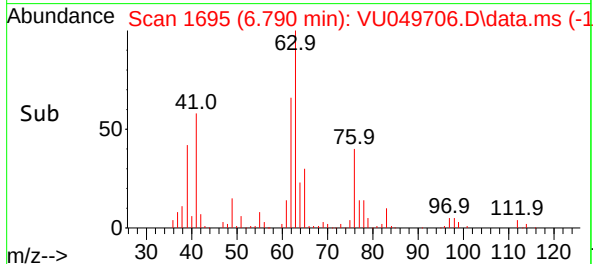
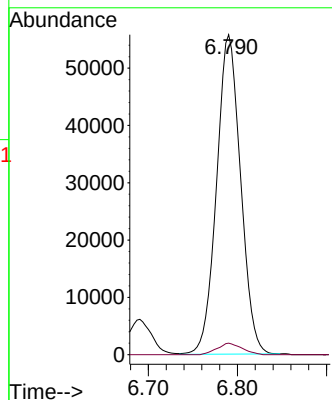
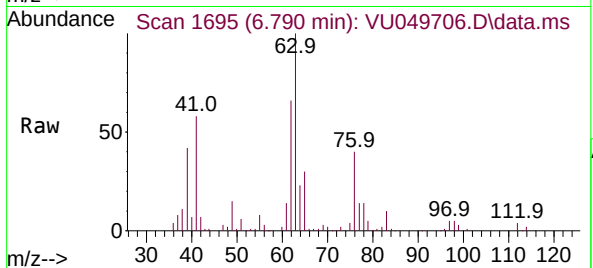
VSTD050162

Tgt Ion: 63 Resp: 104411

Ion Ratio Lower Upper

63 100

112 3.7 2.8 4.2



#38

Bromodichloromethane

Concen: 49.990 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

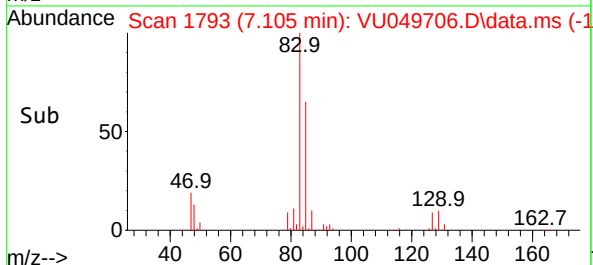
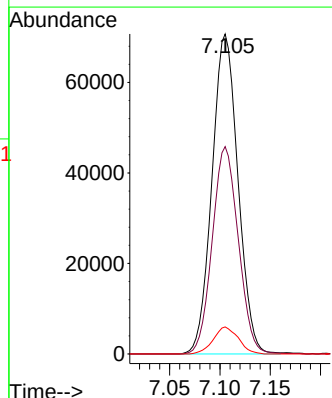
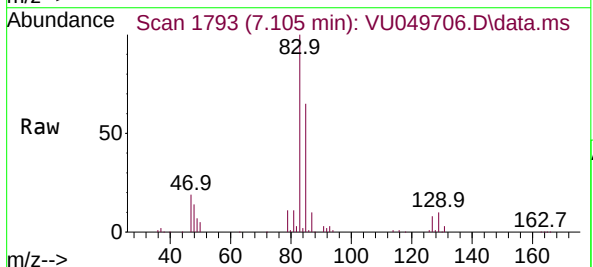
Tgt Ion: 83 Resp: 127266

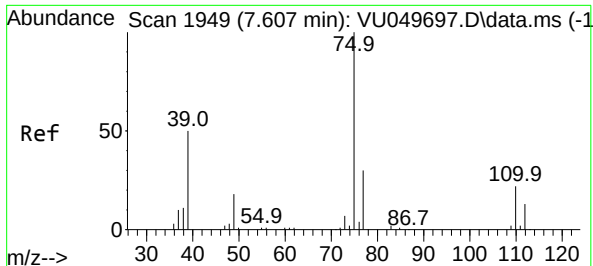
Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

127 8.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 51.832 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

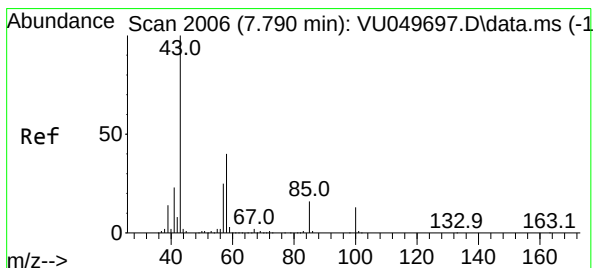
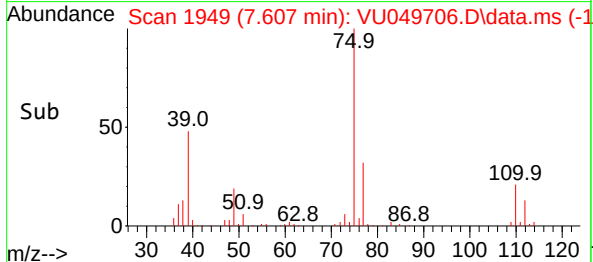
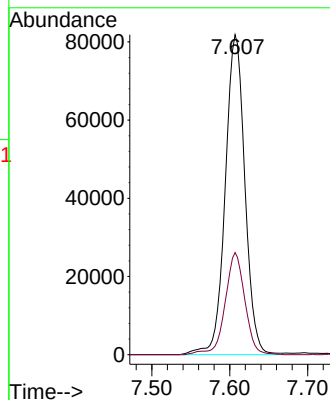
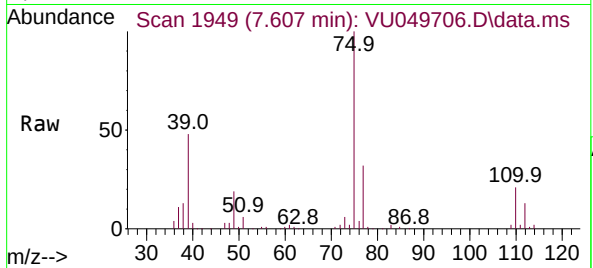
VSTD050162

Tgt Ion: 75 Resp: 143540

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 111.392 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

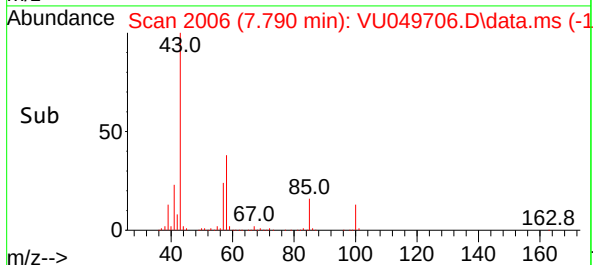
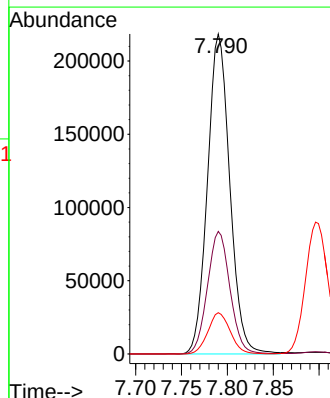
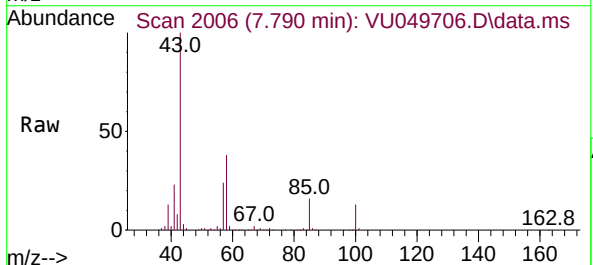
Tgt Ion: 43 Resp: 370284

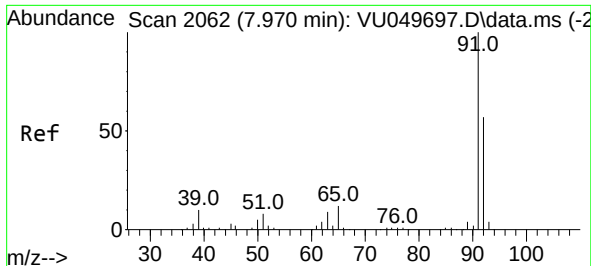
Ion Ratio Lower Upper

43 100

58 38.6 31.4 47.0

100 12.9 10.3 15.5





#42

Toluene

Concen: 49.219 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

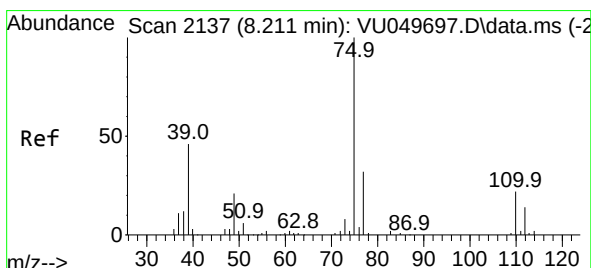
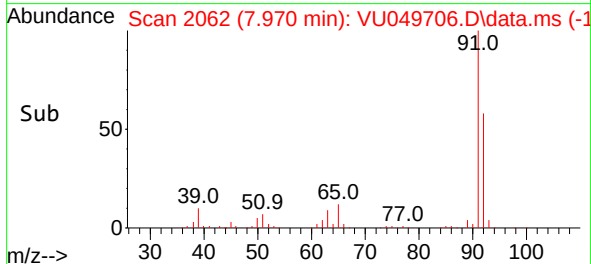
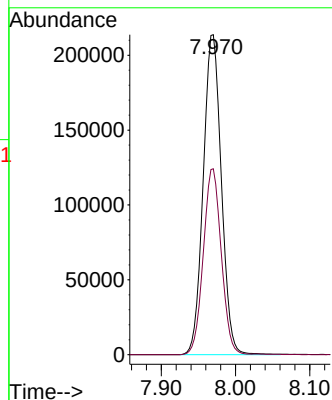
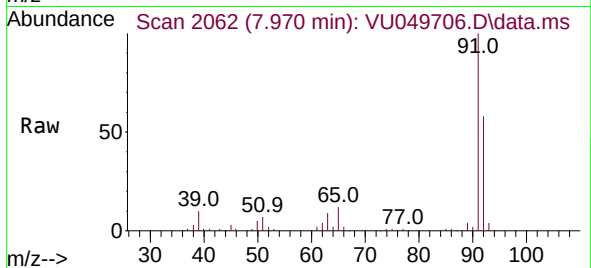
VSTD050162

Tgt Ion: 91 Resp: 362385

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 52.081 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU049706.D

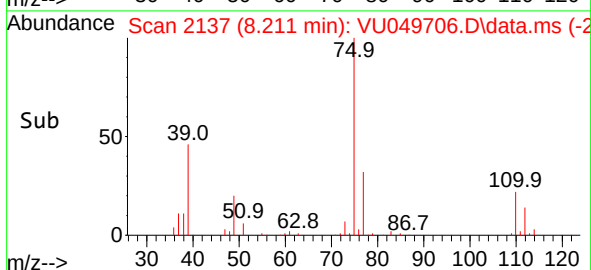
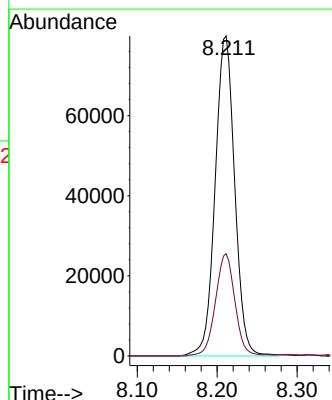
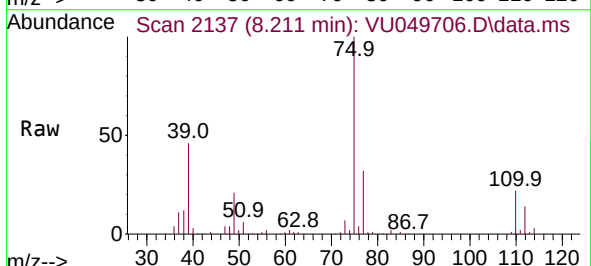
Acq: 13 Jul 2022 16:37

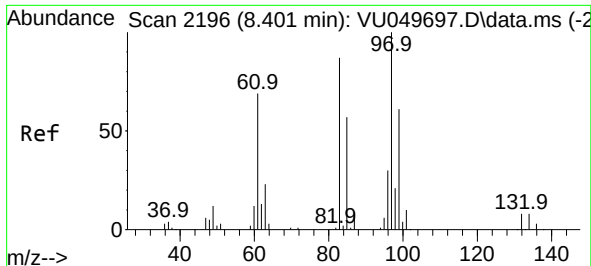
Tgt Ion: 75 Resp: 135423

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9

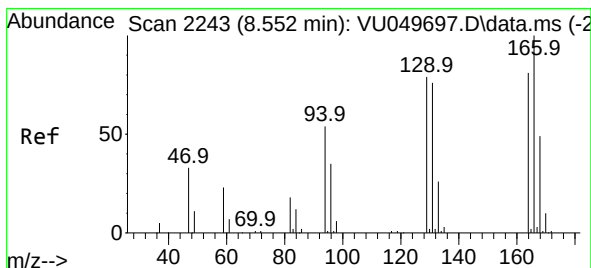
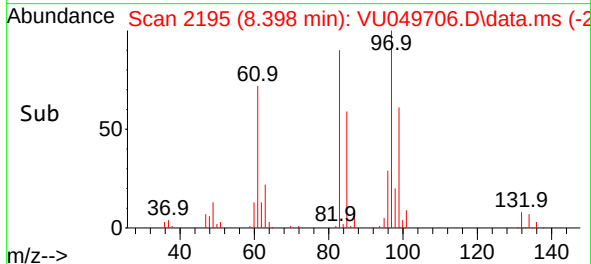
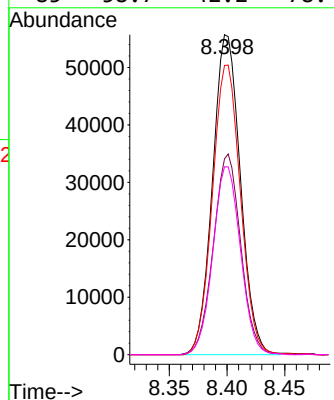
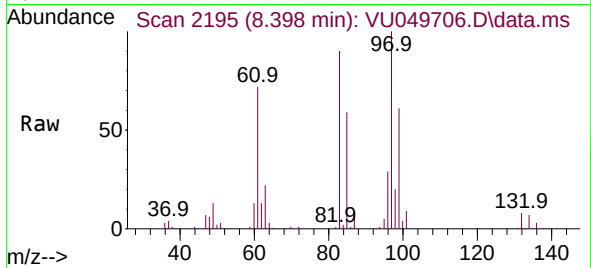




#45
1,1,2-Trichloroethane
Concen: 52.078 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

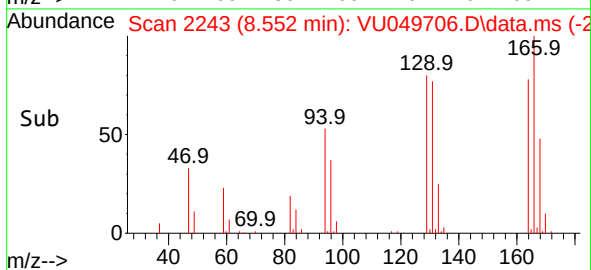
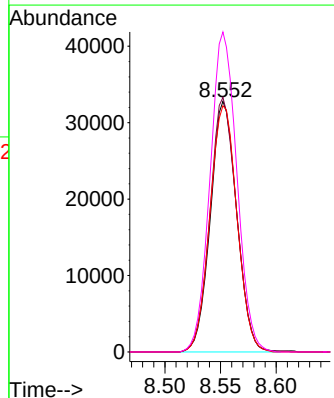
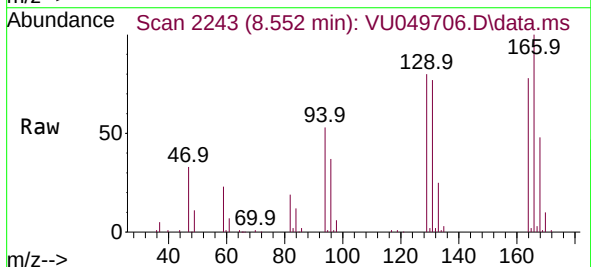
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

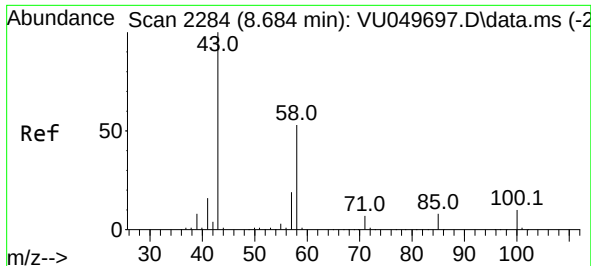
Tgt Ion: 97	Resp: 93339
Ion Ratio	Lower Upper
97 100	
99 61.2	44.3 82.3
83 90.4	64.0 118.8
85 58.7	42.2 78.4



#46
Tetrachloroethene
Concen: 43.491 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt	Ion:164	Resp:	54016
Ion	Ratio	Lower	Upper
164	100		
129	101.6	72.0	133.8
131	98.3	69.0	128.1
166	127.8	91.1	169.3



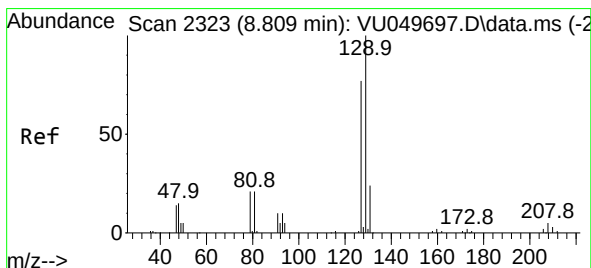
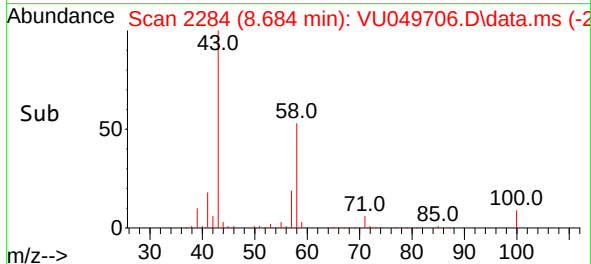
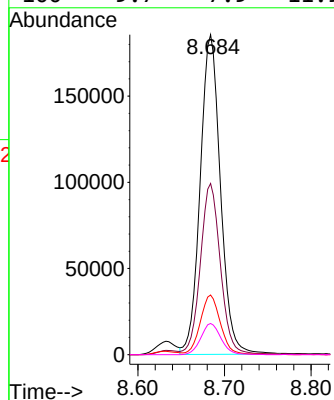
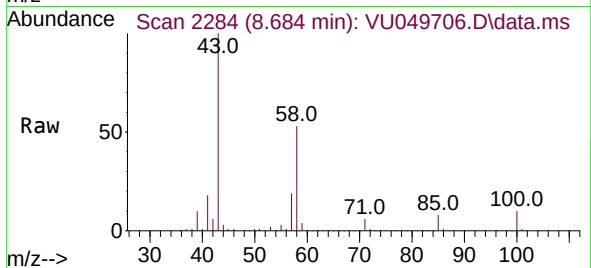


#48
2-Hexanone
Concen: 113.523 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

Tgt Ion: 43 Resp: 301561

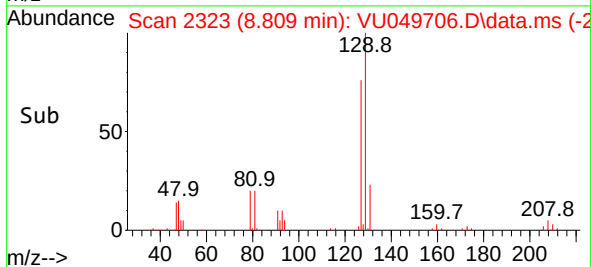
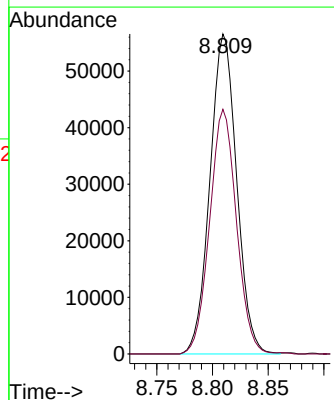
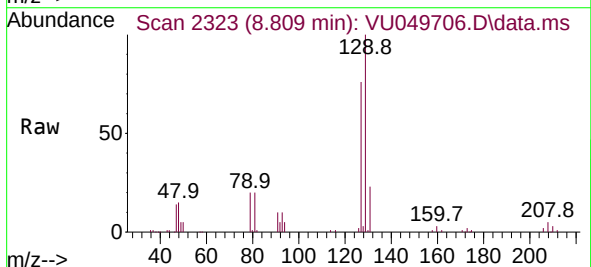
Ion	Ratio	Lower	Upper
43	100		
58	52.3	42.6	64.0
57	18.4	15.0	22.6
100	9.7	7.9	11.9

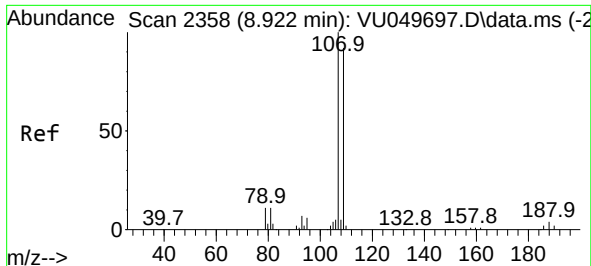


#49
Dibromochloromethane
Concen: 52.420 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion: 129 Resp: 94495

Ion	Ratio	Lower	Upper
129	100		
127	76.4	56.9	105.7





#50

1,2-Dibromoethane

Concen: 53.356 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

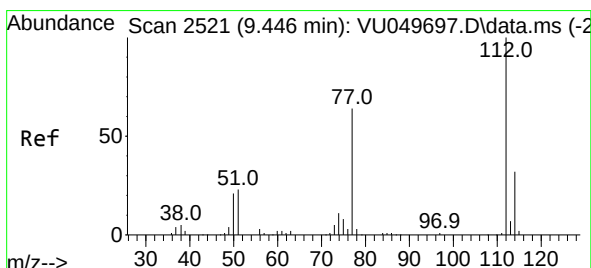
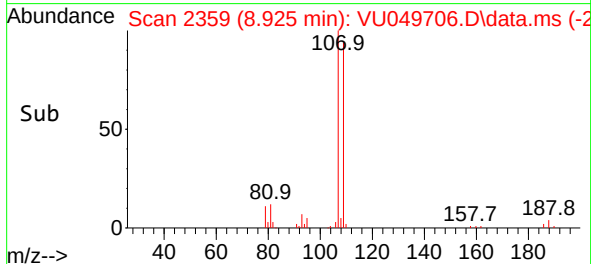
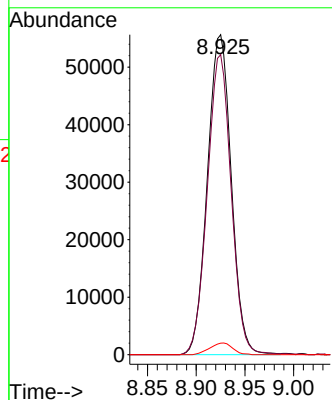
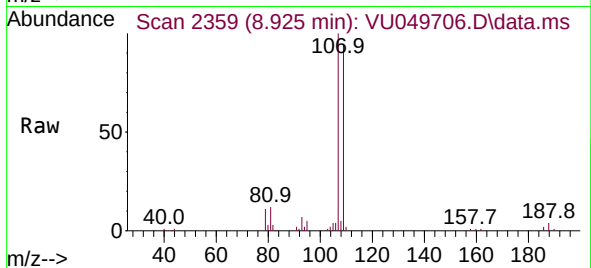
Tgt Ion:107 Resp: 94994

Ion Ratio Lower Upper

107 100

109 93.8 65.7 121.9

188 3.6 2.7 4.1



#51

Chlorobenzene

Concen: 48.240 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

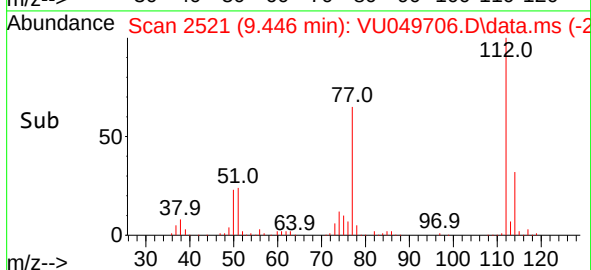
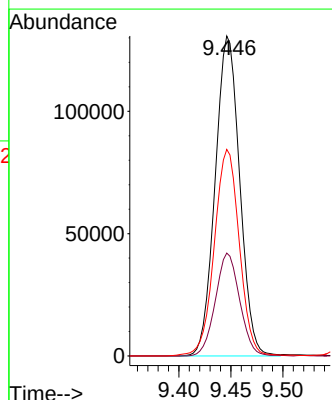
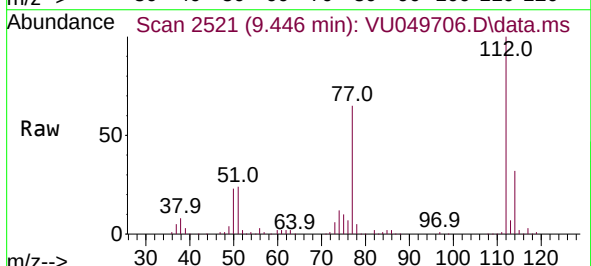
Tgt Ion:112 Resp: 215087

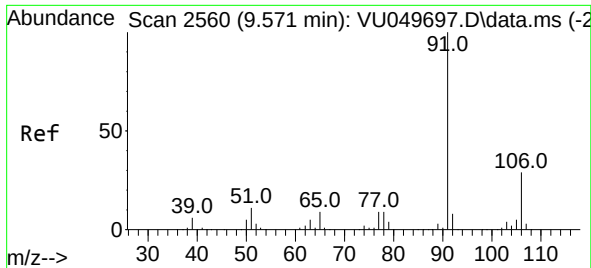
Ion Ratio Lower Upper

112 100

114 32.1 22.1 41.1

77 64.6 51.2 76.8

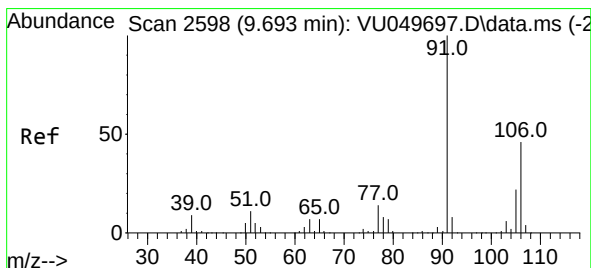
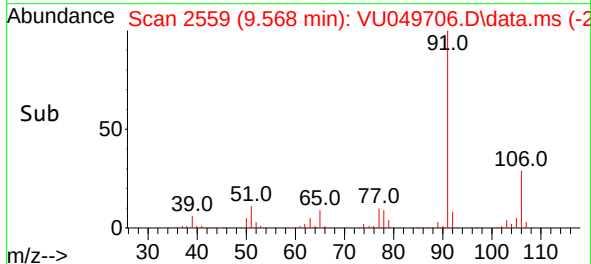
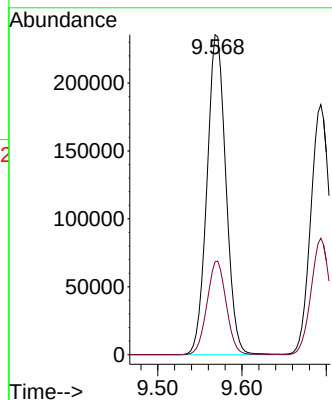
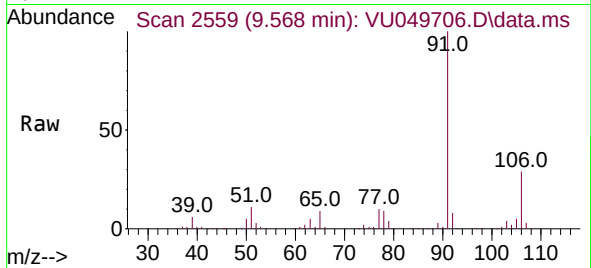




#52
Ethylbenzene
Concen: 47.435 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

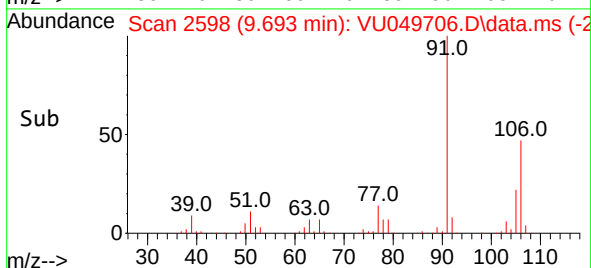
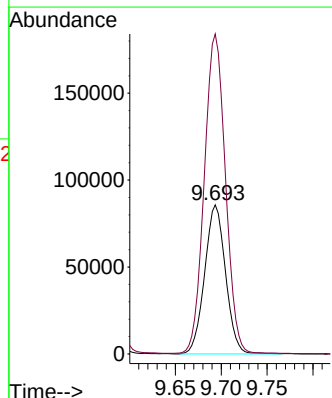
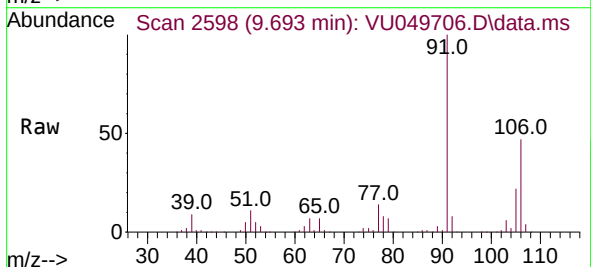
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

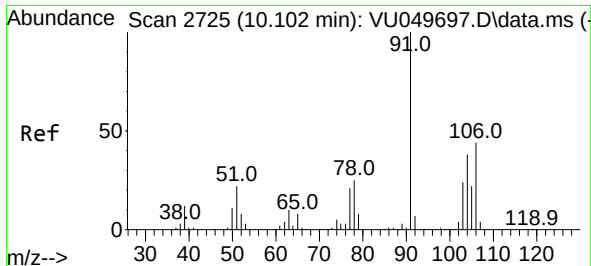
Tgt Ion: 91 Resp: 368552
Ion Ratio Lower Upper
91 100
106 29.1 21.0 39.0



#53
m,p-Xylene
Concen: 48.138 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion:106 Resp: 135998
Ion Ratio Lower Upper
106 100
91 214.6 151.7 281.7

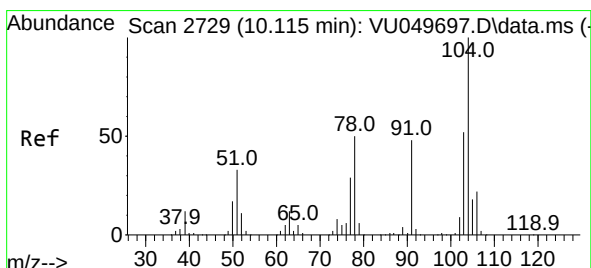
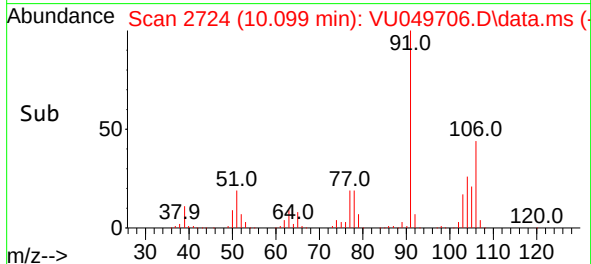
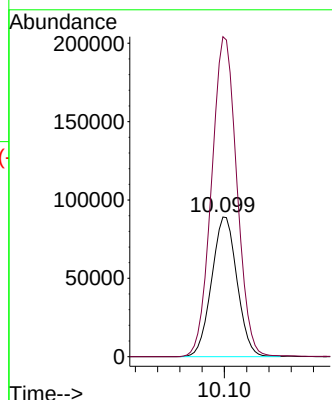
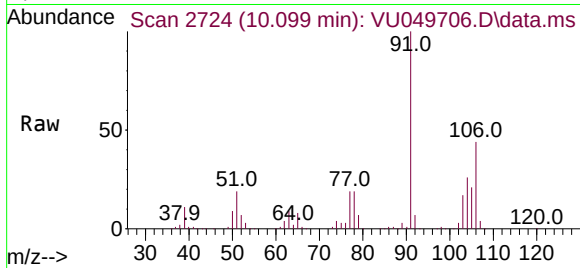




#54
o-Xylene
Concen: 49.583 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

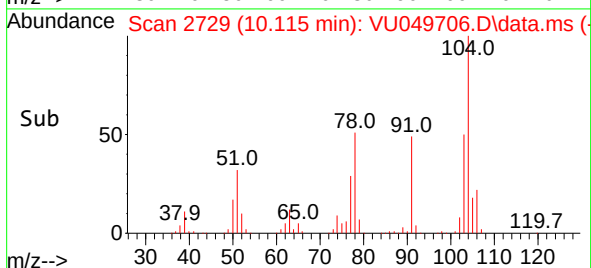
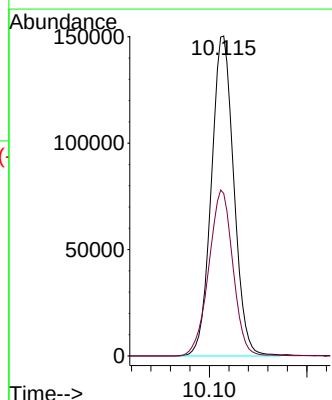
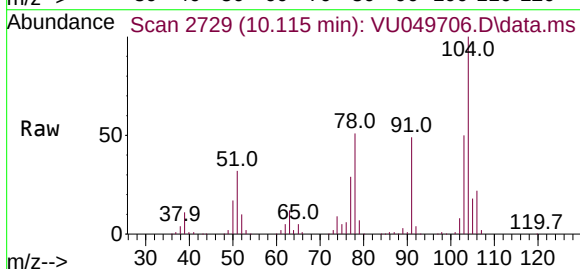
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

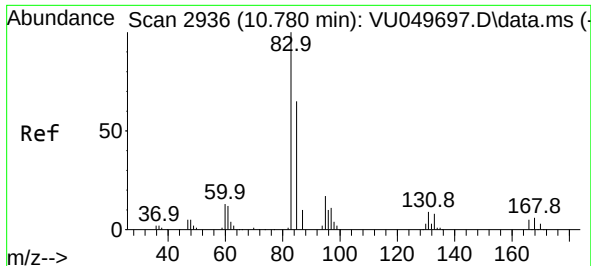
Tgt Ion:106 Resp: 141051
Ion Ratio Lower Upper
106 100
91 229.2 156.9 291.5



#55
Styrene
Concen: 51.350 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion:104 Resp: 241071
Ion Ratio Lower Upper
104 100
78 50.8 36.1 67.1

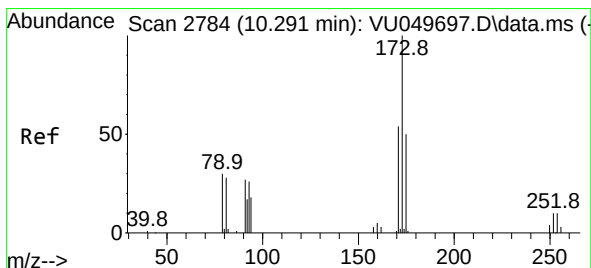
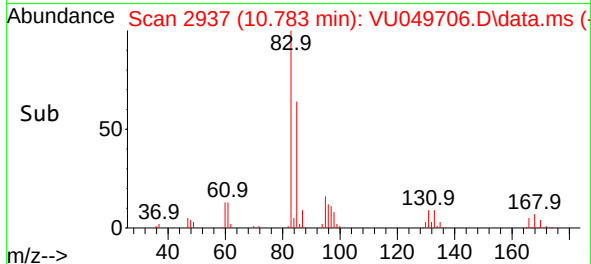
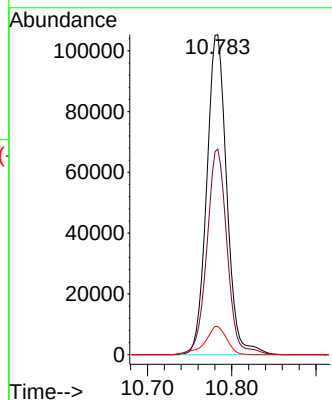
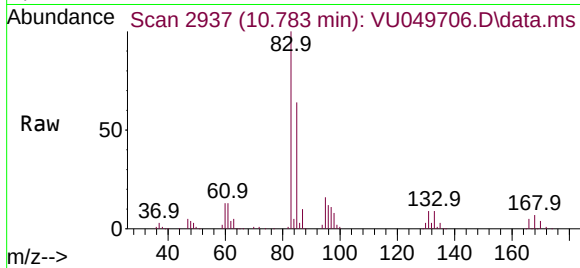




#57
1,1,2,2-Tetrachloroethane
Concen: 54.198 ug/L
RT: 10.783 min Scan# 2936
Delta R.T. 0.003 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

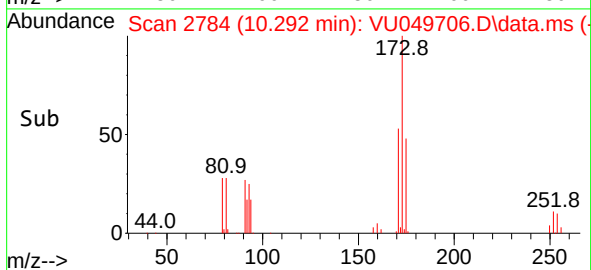
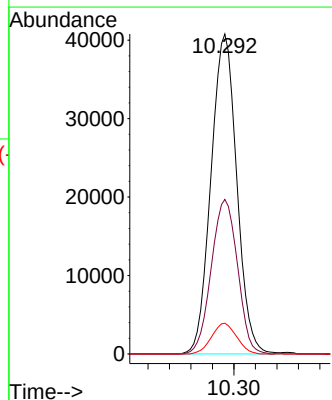
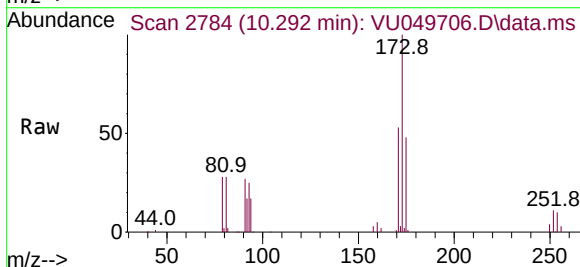
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

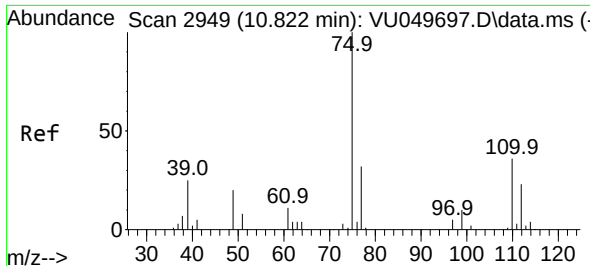
Tgt Ion: 83 Resp: 173884
Ion Ratio Lower Upper
83 100
85 64.2 45.0 83.6
131 8.8 7.0 10.6



#59
Bromoform
Concen: 51.655 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion: 173 Resp: 67855
Ion Ratio Lower Upper
173 100
175 49.1 38.6 58.0
254 9.3 7.4 11.0

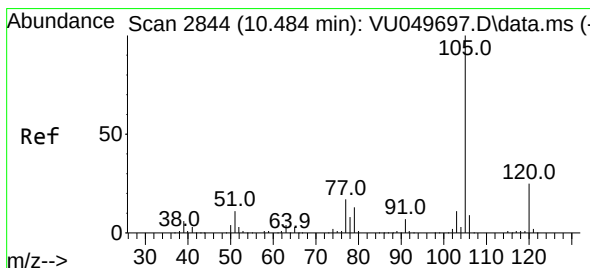
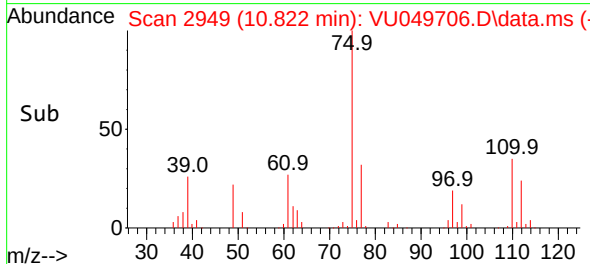
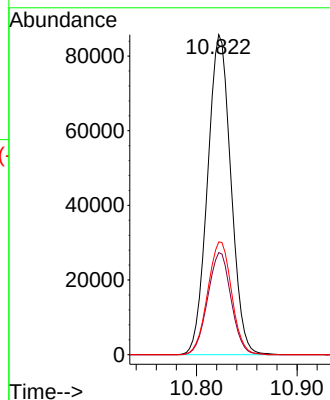
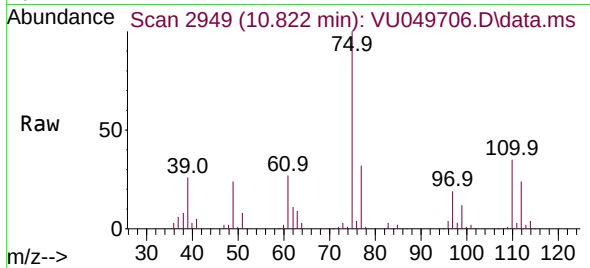




#60
1,2,3-Trichloropropane
Concen: 53.058 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

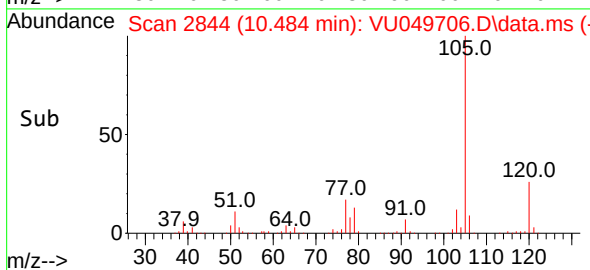
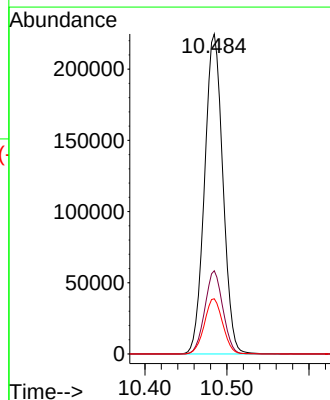
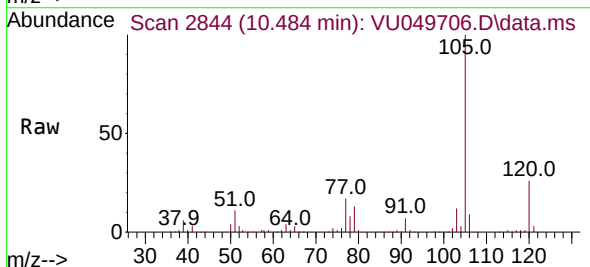
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

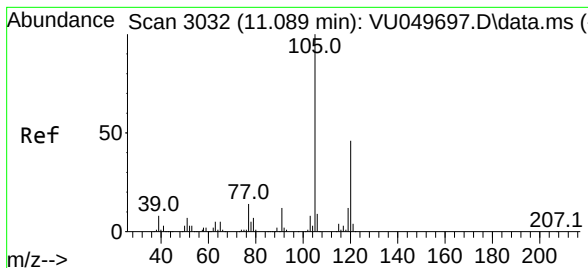
Tgt Ion:	75	Resp:	138416
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
110	36.1	28.9	43.3



#61
Isopropylbenzene
Concen: 47.543 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion:	105	Resp:	347694
Ion	Ratio	Lower	Upper
105	100		
120	25.6	19.9	29.9
77	17.4	13.8	20.8





#62

1,3,5-Trimethylbenzene

Concen: 49.040 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

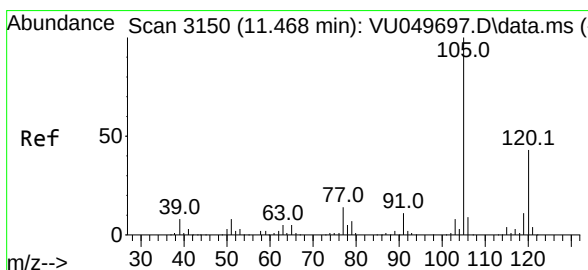
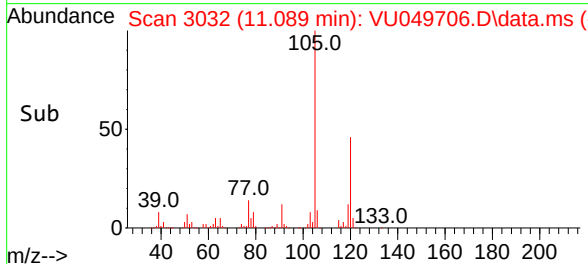
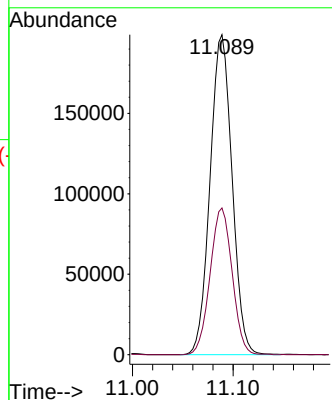
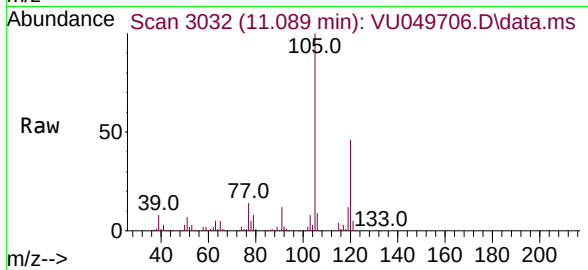
VSTD050162

Tgt Ion:105 Resp: 302513

Ion Ratio Lower Upper

105 100

120 45.9 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 49.746 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049706.D

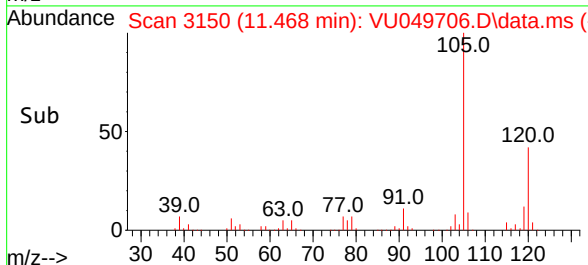
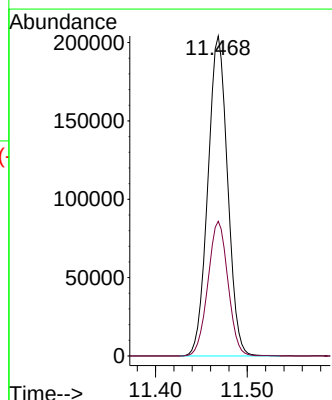
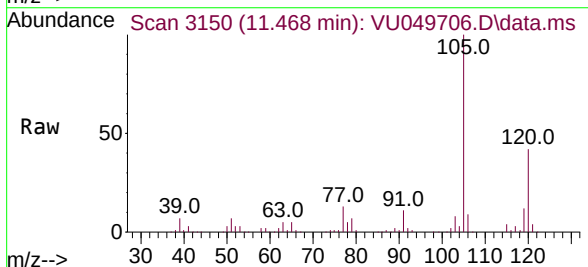
Acq: 13 Jul 2022 16:37

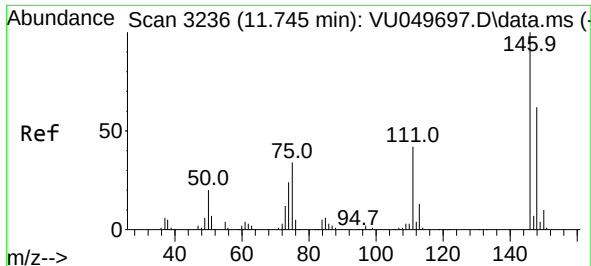
Tgt Ion:105 Resp: 304856

Ion Ratio Lower Upper

105 100

120 42.9 33.9 50.9

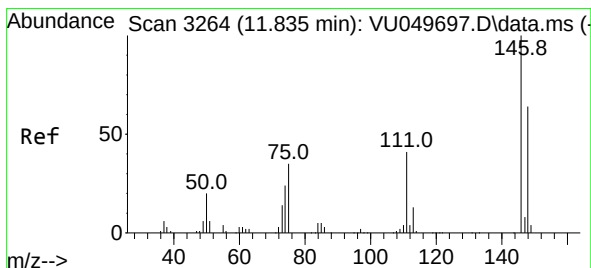
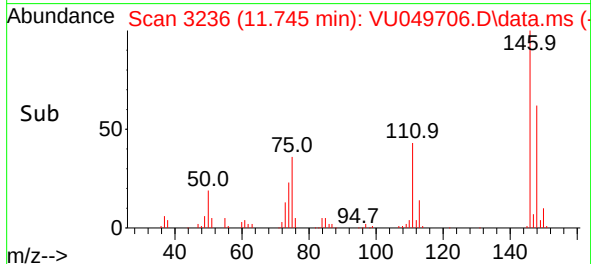
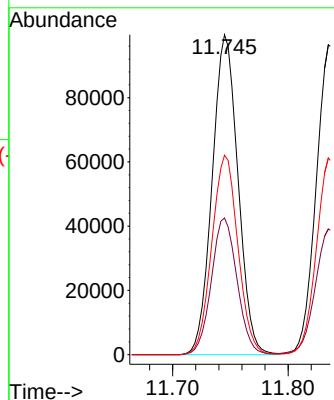
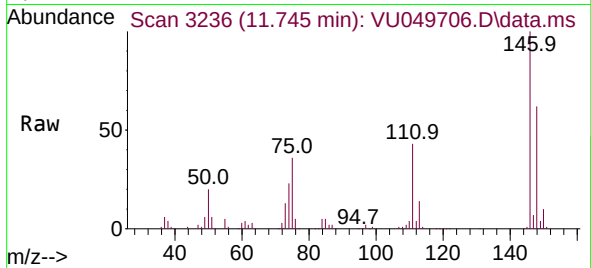




#64
1,3-Dichlorobenzene
Concen: 48.492 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

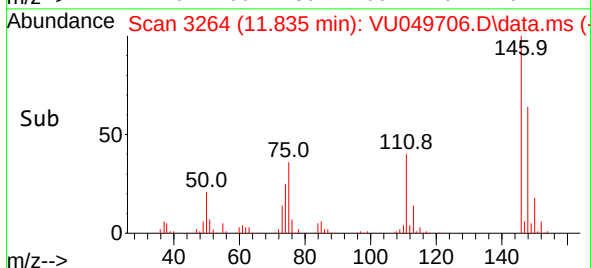
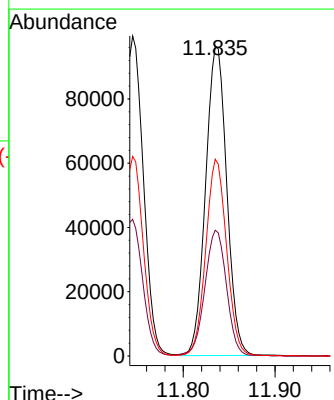
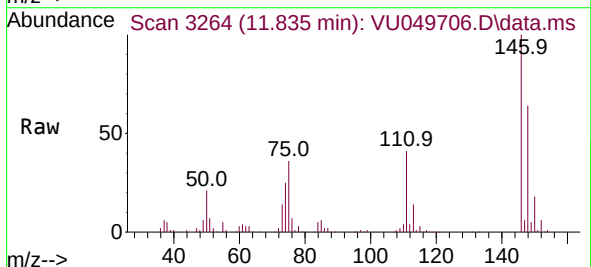
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

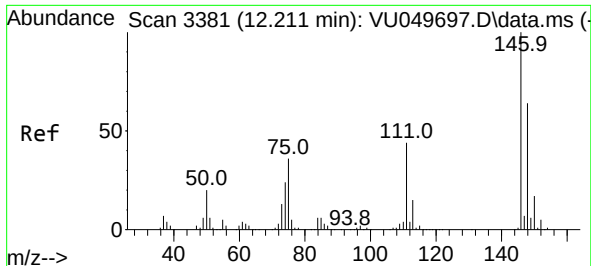
Tgt Ion:146 Resp: 154810
Ion Ratio Lower Upper
146 100
111 42.7 30.0 55.6
148 62.3 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 48.149 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion:146 Resp: 154406
Ion Ratio Lower Upper
146 100
111 40.6 29.1 54.1
148 63.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 49.491 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

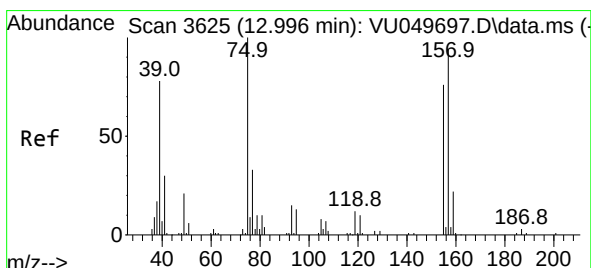
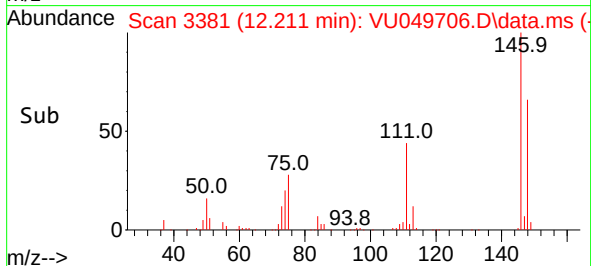
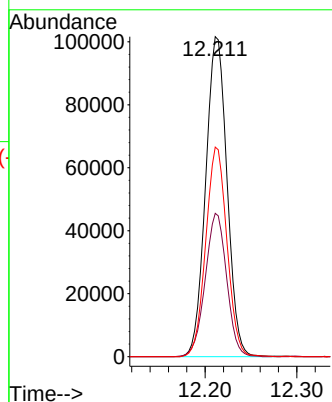
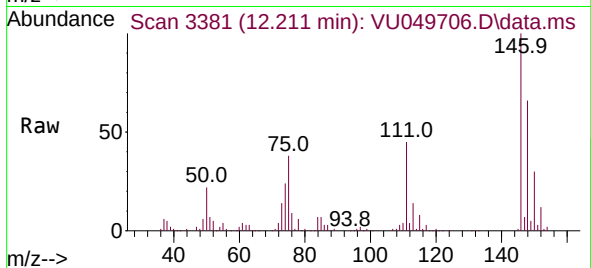
Tgt Ion:146 Resp: 164292

Ion Ratio Lower Upper

146 100

111 44.8 35.8 53.8

148 65.5 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 53.116 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049706.D

Acq: 13 Jul 2022 16:37

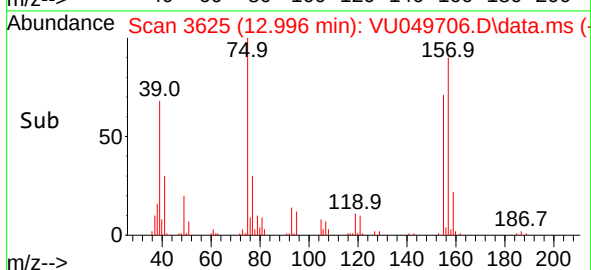
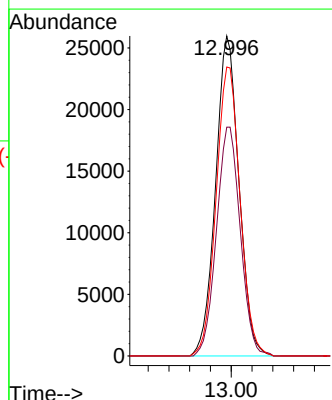
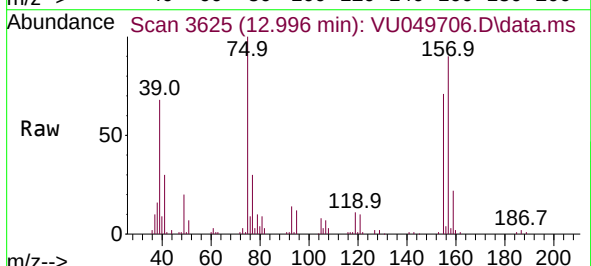
Tgt Ion: 75 Resp: 40602

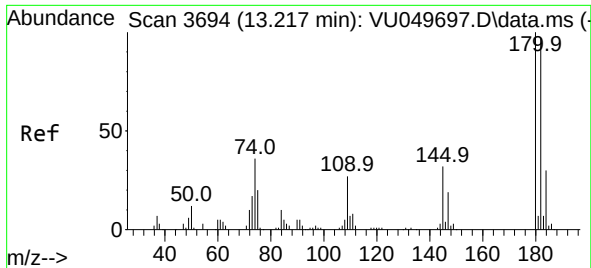
Ion Ratio Lower Upper

75 100

155 71.5 57.7 86.5

157 90.3 75.6 113.4

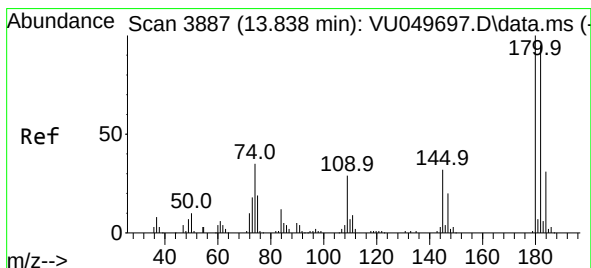
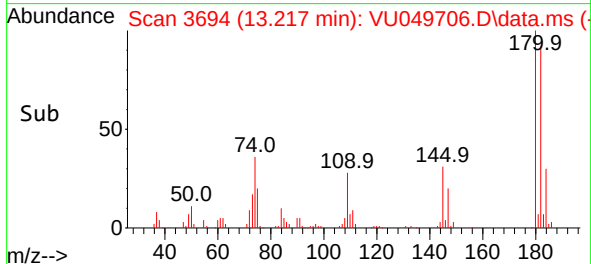
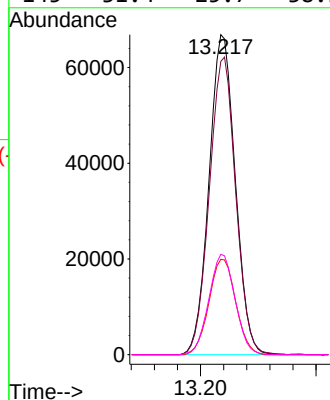
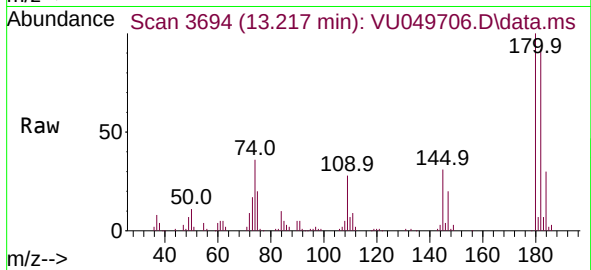




#69
 1,3,5-Trichlorobenzene
 Concen: 47.049 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU049706.D
 Acq: 13 Jul 2022 16:37

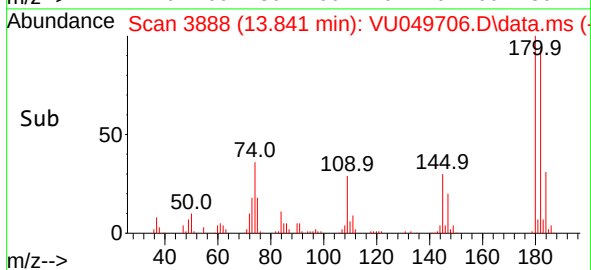
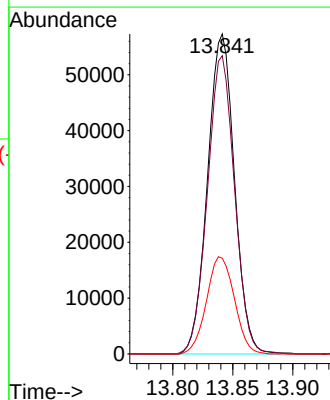
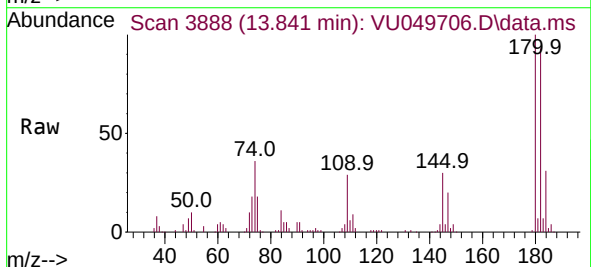
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050162

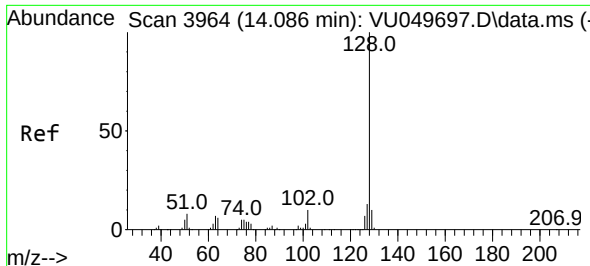
Tgt Ion:180 Resp: 105249
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.0 114.0
 184 30.5 24.0 36.0
 145 31.4 25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 43.554 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU049706.D
 Acq: 13 Jul 2022 16:37

Tgt Ion:180 Resp: 89412
 Ion Ratio Lower Upper
 180 100
 182 94.0 74.8 112.2
 145 31.5 24.7 37.1

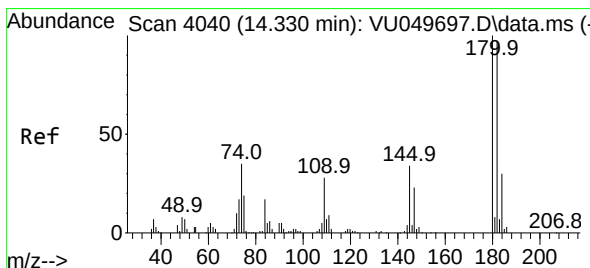
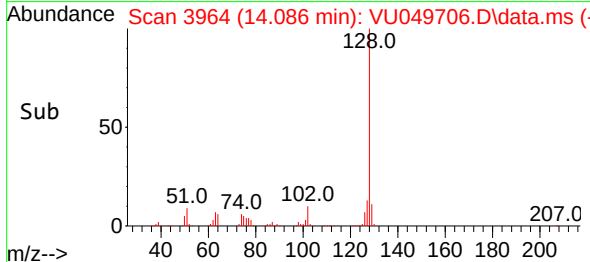
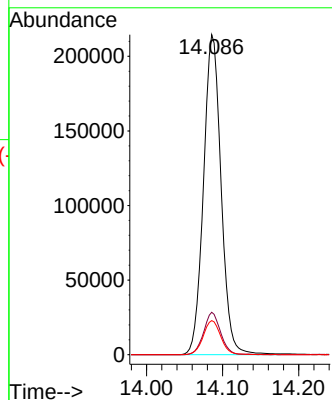
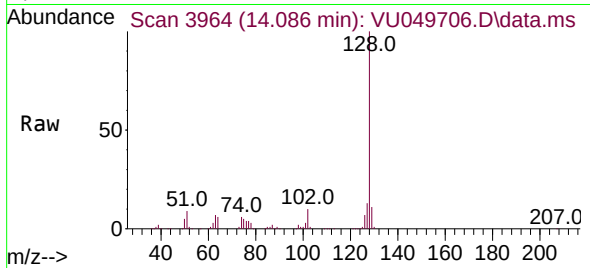




#71
Naphthalene
Concen: 46.956 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

Tgt Ion:128 Resp: 344598
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 46.355 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU049706.D
Acq: 13 Jul 2022 16:37

Tgt Ion:180 Resp: 98573
Ion Ratio Lower Upper
180 100
182 96.0 76.6 115.0
145 34.2 27.1 40.7

