

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012121\
 Data File : VU042148.D
 Acq On : 21 Jan 2021 14:12
 Operator : SY/MD
 Sample : M1170-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT93

Quant Time: Jan 22 02:47:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 22 02:43:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	111902	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	103927	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	56067	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	30951	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.916	69	26471	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.571	63	54812	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.652	46	105538	40.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.14%
24) Chloroform-d	5.073	84	68961	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.710	65	42275	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.735	84	129765	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.700	67	42870	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.906	98	117030	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloroprop...	8.185	79	19823	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.642	63	87403	45.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.48%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	35197	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	12.201	152	48551	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	2103	0.22	ug/L	99
13) Acetone	2.674	43	20447	11.65	ug/L	83
14) Carbon disulfide	2.797	76	5857	0.23	ug/L	96
21) 2-Butanone	4.735	43	8703	2.96	ug/L	93
27) 1,2-Dichloroethane	5.729	62	795	0.07	ug/L #	75
33) Benzene	5.780	78	4624	0.15	ug/L	100
34) Trichloroethene	6.549	95	204385	24.78	ug/L	99
35) Methylcyclohexane	6.700	83	10042	0.73	ug/L #	17
37) 1,2-Dichloropropane	6.700	63	4919	0.61	ug/L	98
39) cis-1,3-Dichloropropene	7.574	75	1371	0.10	ug/L #	47
42) Toluene	7.976	91	19677	0.59	ug/L	97
44) trans-1,3-Dichloropropene	8.189	75	822	0.07	ug/L #	36
47) Tetrachloroethene	8.562	164	3017	0.44	ug/L	97
48) 2-Hexanone	8.693	43	3119	0.65	ug/L #	86
49) Dibromochloromethane	8.562	129	2853	0.36	ug/L #	12
52) Ethylbenzene	9.578	91	2048	0.05	ug/L	94
53) m,p-Xylene	9.697	106	1081	0.08	ug/L	87
55) Styrene	10.121	104	1383	0.06	ug/L	83
59) 1,2,3-Trichloropropane	11.819	75	6654	1.17	ug/L	91
66) 1,2-Dibromo-3-chloropr...	13.217	75	1397	0.96	ug/L #	1

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 22 02:43:44 2021
Response via : Initial Calibration

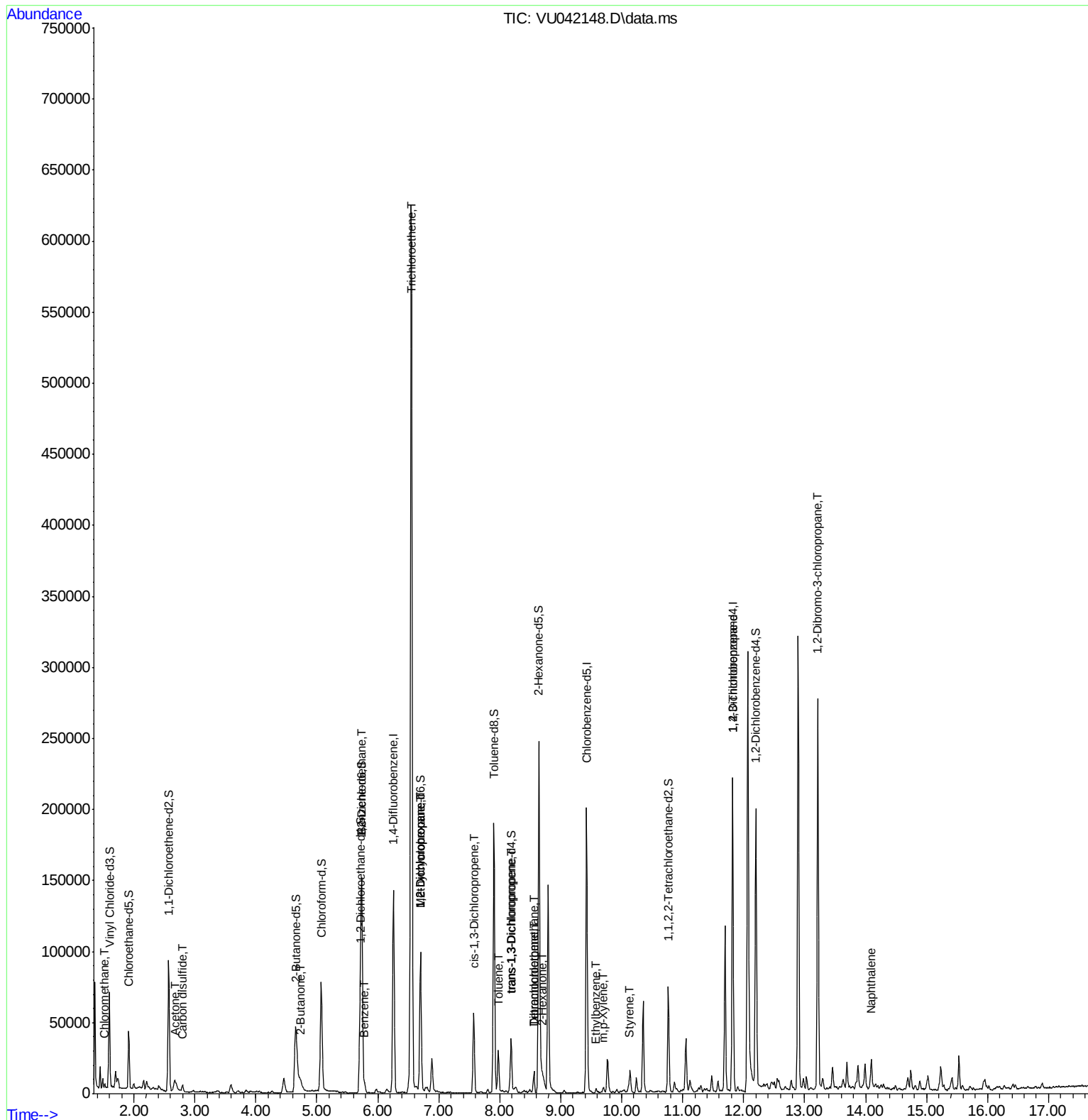
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	14.092	128	13452	0.83	ug/L	98

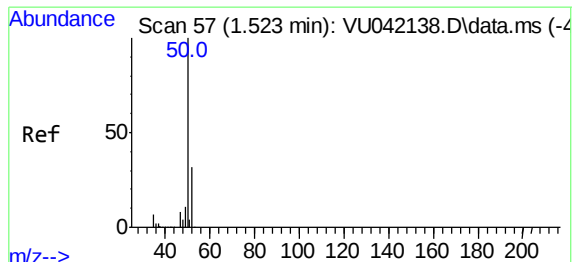
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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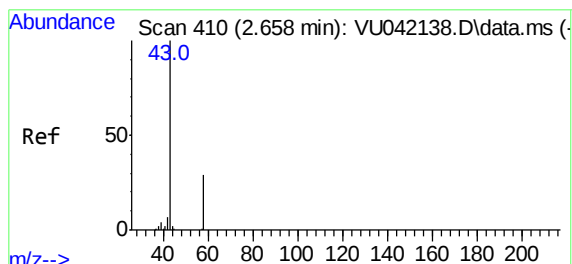
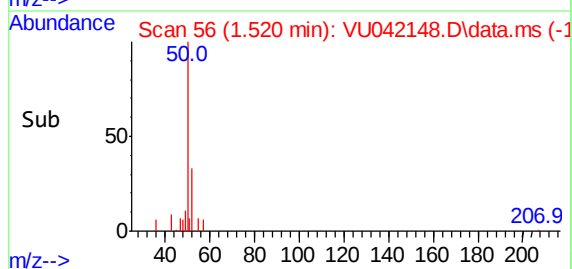
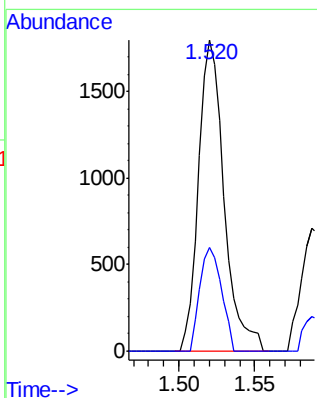
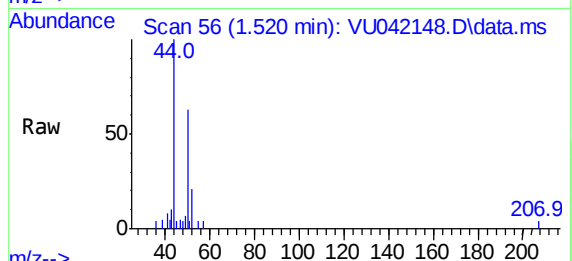




#3
Chloromethane
Concen: 0.22 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

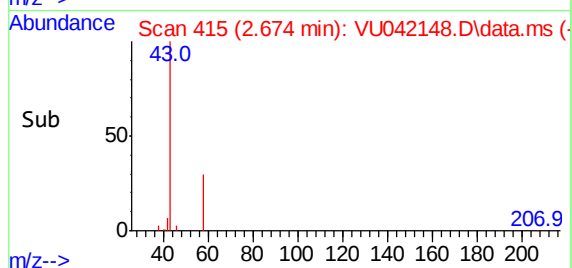
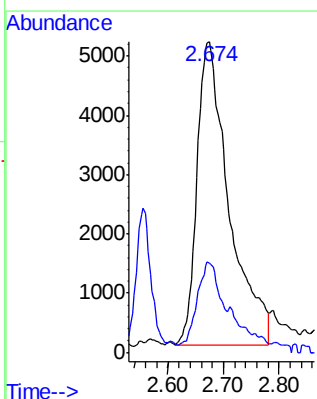
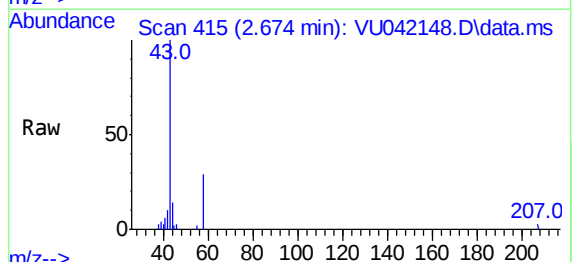
Instrument :
MSVOA_U
ClientSampleId :
BFT93

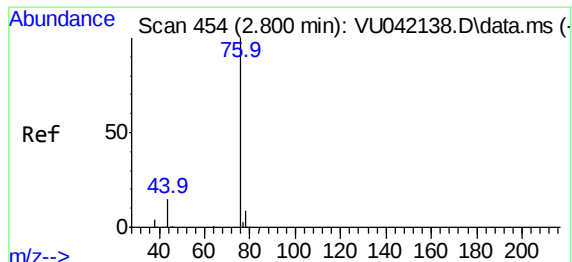
Tgt Ion: 50 Resp: 2103
Ion Ratio Lower Upper
50 100
52 33.4 23.0 42.8



#13
Acetone
Concen: 11.65 ug/L
RT: 2.674 min Scan# 415
Delta R.T. 0.016 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

Tgt Ion: 43 Resp: 20447
Ion Ratio Lower Upper
43 100
58 19.0 0.0 55.8





#14

Carbon disulfide

Concen: 0.23 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.003 min

Lab File: VU042148.D

Acq: 21 Jan 2021 14:12

Tgt Ion: 76 Resp: 5857

Ion Ratio Lower Upper

76 100

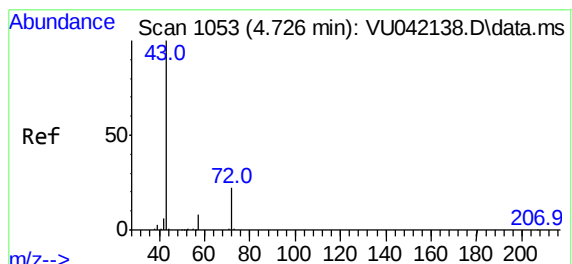
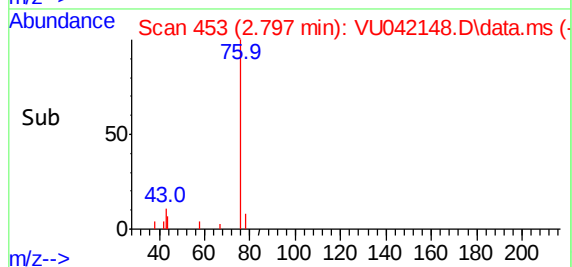
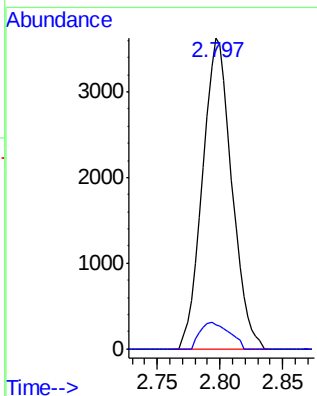
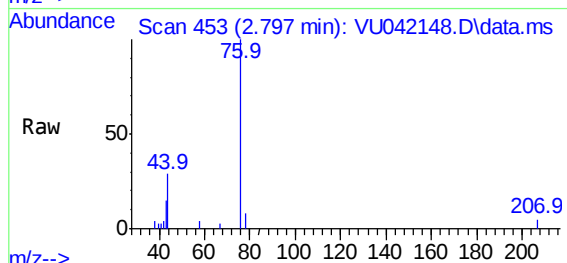
78 7.8 7.3 10.9

Instrument :

MSVOA_U

ClientSampleId :

BFT93



#21

2-Butanone

Concen: 2.96 ug/L

RT: 4.735 min Scan# 1056

Delta R.T. 0.010 min

Lab File: VU042148.D

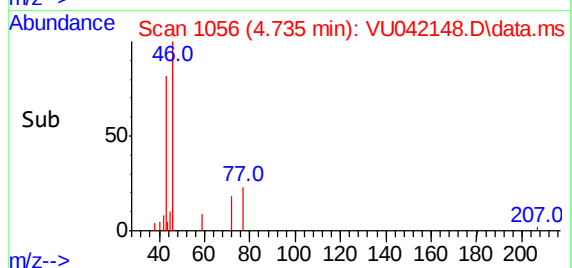
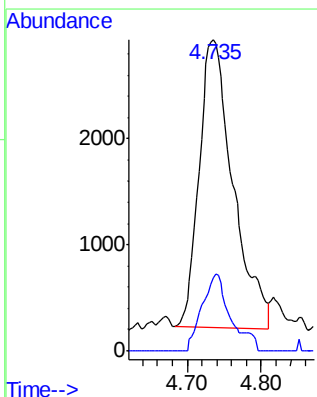
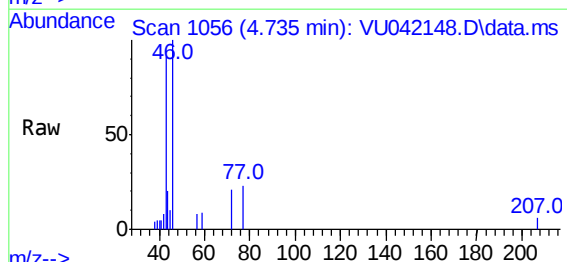
Acq: 21 Jan 2021 14:12

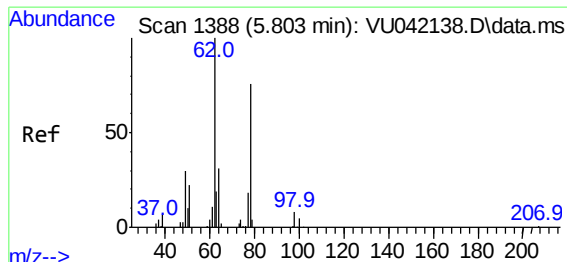
Tgt Ion: 43 Resp: 8703

Ion Ratio Lower Upper

43 100

72 20.0 11.7 35.1

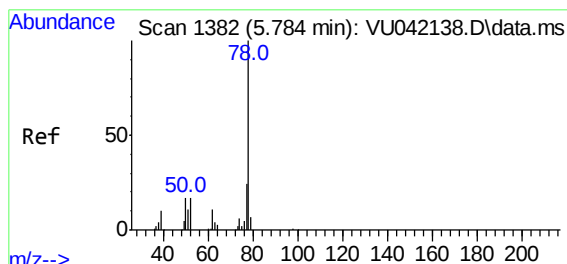
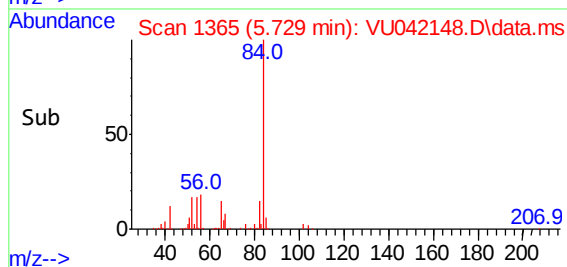
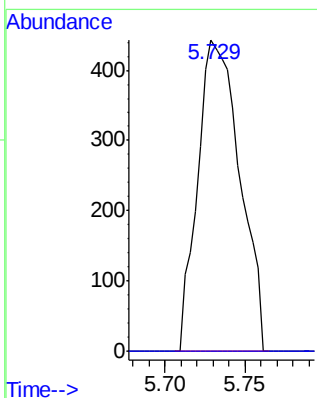
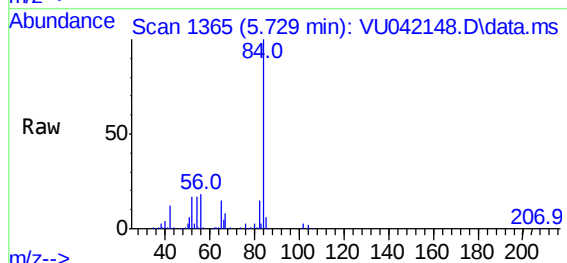




#27
1,2-Dichloroethane
Concen: 0.07 ug/L
RT: 5.729 min Scan# 1365
Delta R.T. -0.074 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

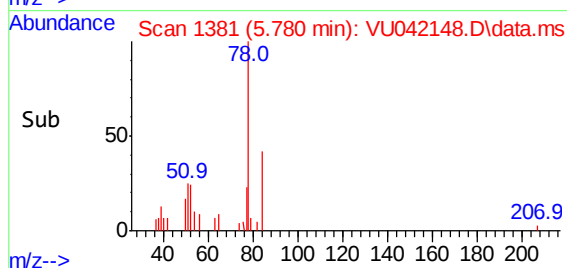
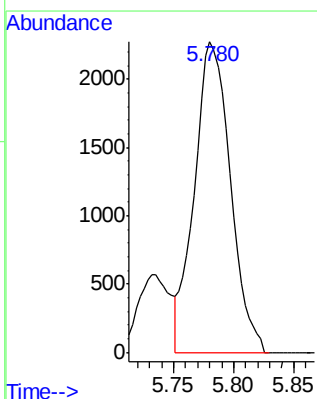
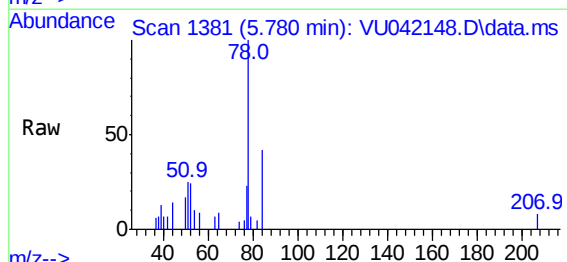
Instrument :
MSVOA_U
ClientSampleId :
BFT93

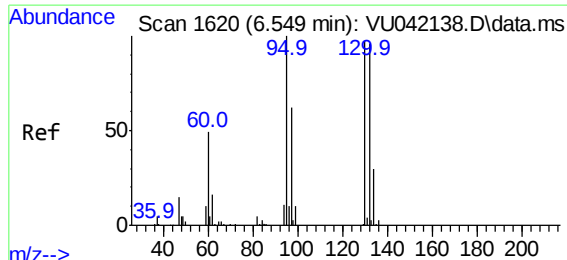
Tgt Ion: 62 Resp: 795
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 0.15 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

Tgt Ion: 78 Resp: 4624





#34

Trichloroethene

Concen: 24.78 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VU042148.D

Acq: 21 Jan 2021 14:12

Tgt Ion: 95 Resp: 204385

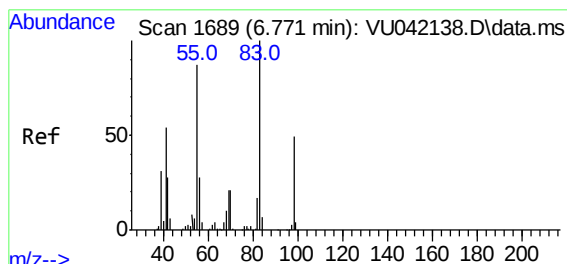
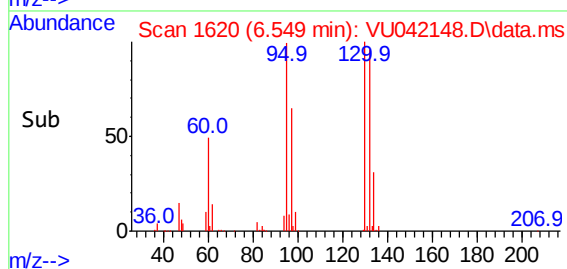
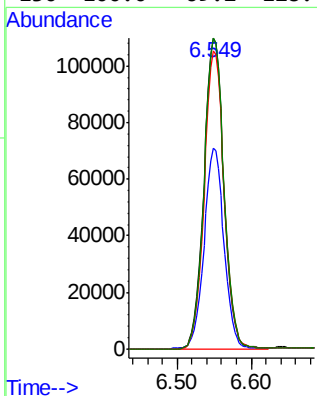
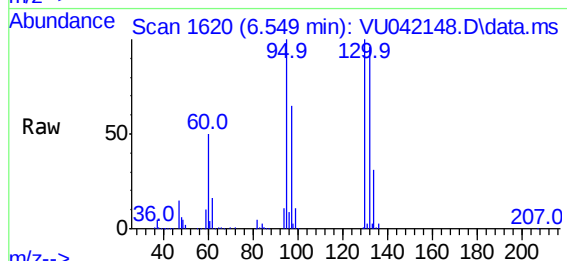
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.4

132 95.7 68.0 126.4

130 100.0 69.2 128.4



#35

Methylcyclohexane

Concen: 0.73 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.071 min

Lab File: VU042148.D

Acq: 21 Jan 2021 14:12

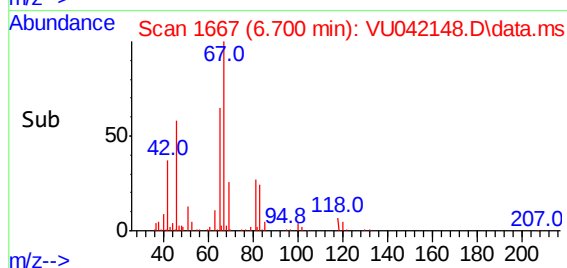
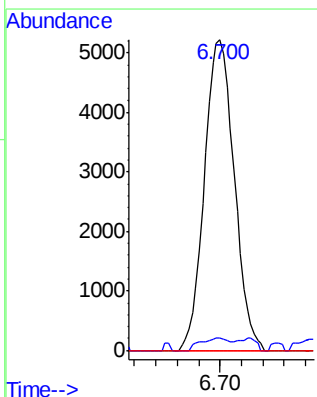
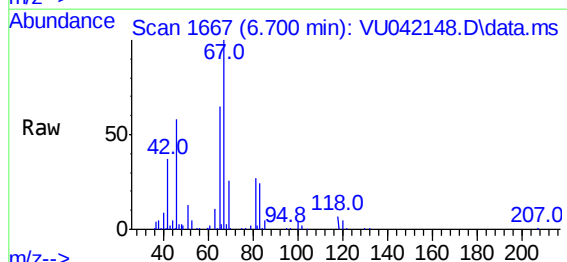
Tgt Ion: 83 Resp: 10042

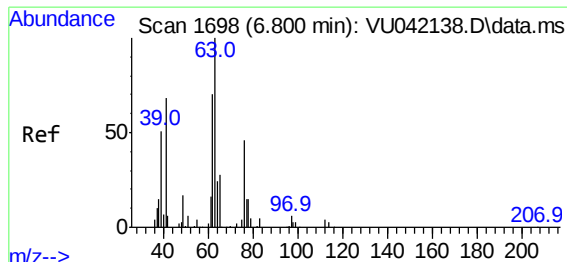
Ion Ratio Lower Upper

83 100

55 3.7 68.2 102.4#

98 0.0 39.7 59.5#

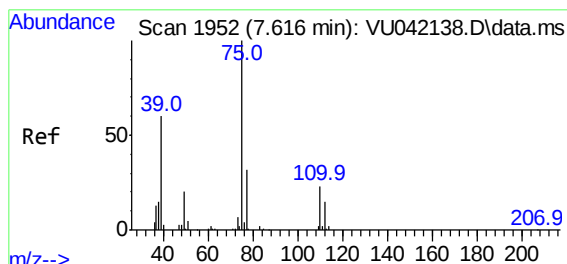
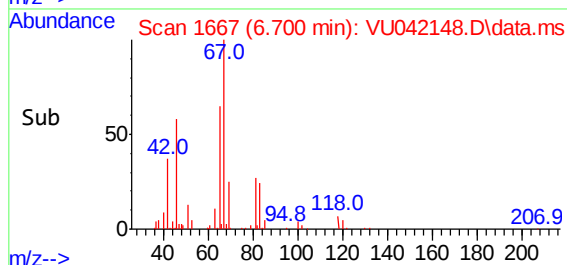
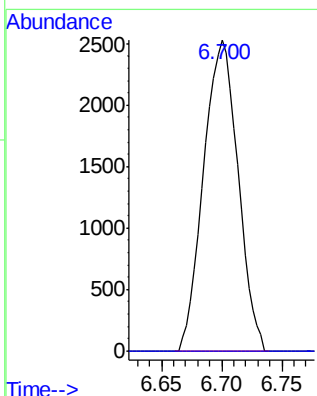
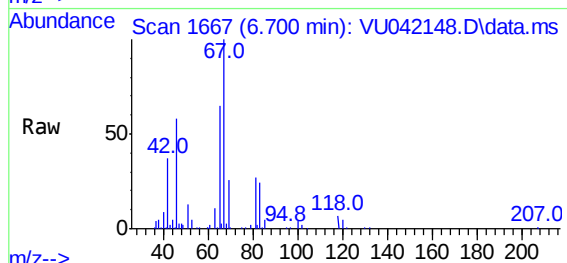




#37
1,2-Dichloropropane
Concen: 0.61 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

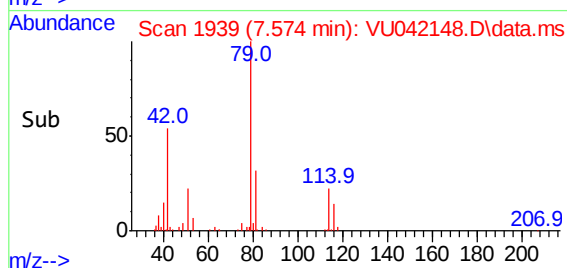
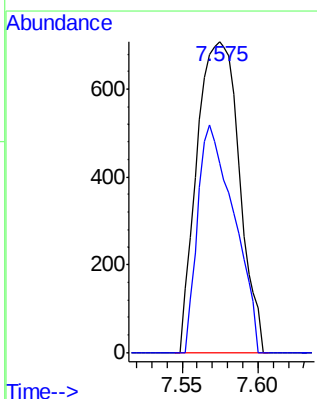
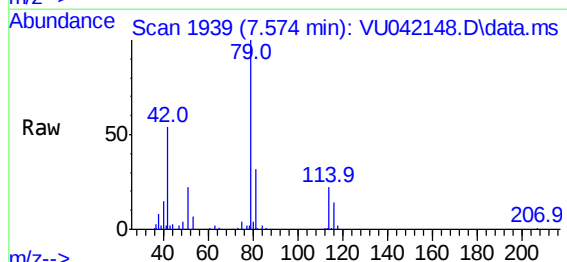
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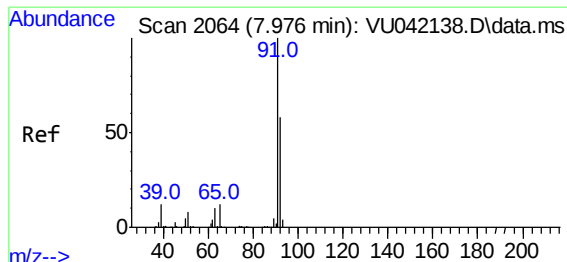
Tgt Ion: 63 Resp: 4919
Ion Ratio Lower Upper
63 100
112 3.5 3.4 5.0



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

Tgt Ion: 75 Resp: 1371
Ion Ratio Lower Upper
75 100
77 60.7 22.0 40.8#





#42

Toluene

Concen: 0.59 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. -0.000 min

Lab File: VU042148.D

Acq: 21 Jan 2021 14:12

Tgt Ion: 91 Resp: 19677

Ion Ratio Lower Upper

91 100

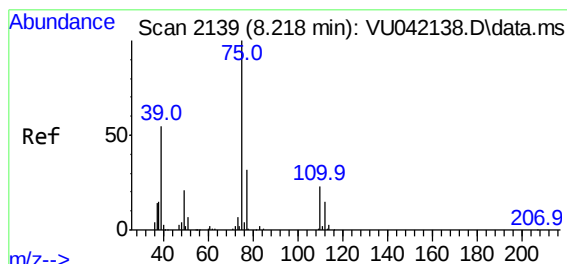
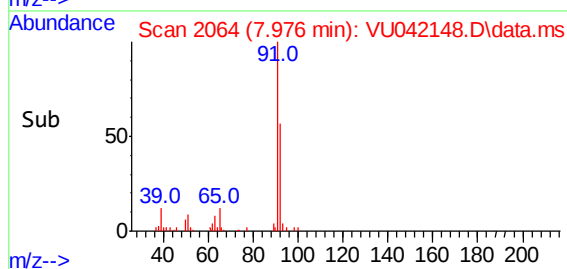
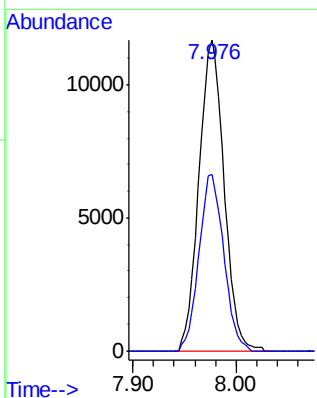
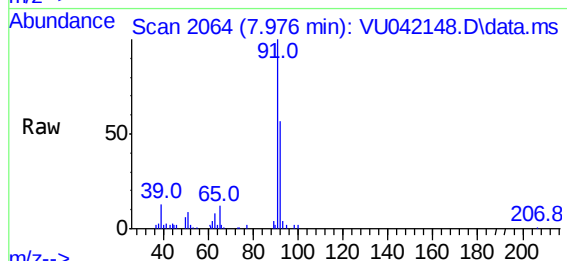
92 56.7 41.2 76.6

Instrument :

MSVOA_U

ClientSampleId :

BFT93



#44

trans-1,3-Dichloropropene

Concen: 0.07 ug/L

RT: 8.189 min Scan# 2130

Delta R.T. -0.029 min

Lab File: VU042148.D

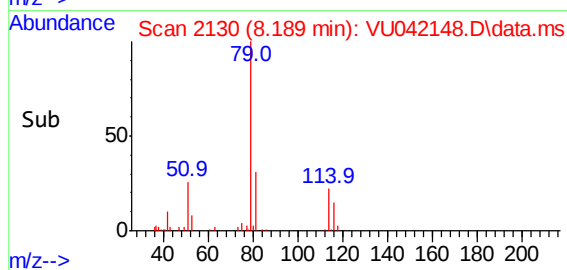
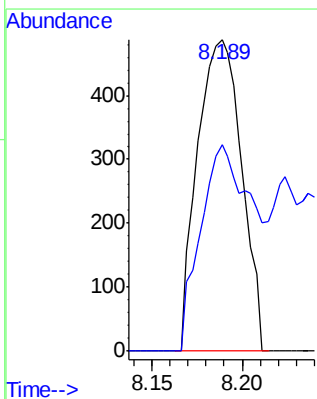
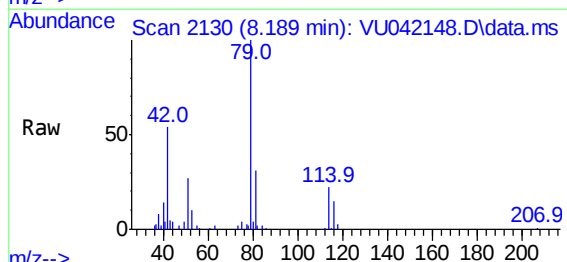
Acq: 21 Jan 2021 14:12

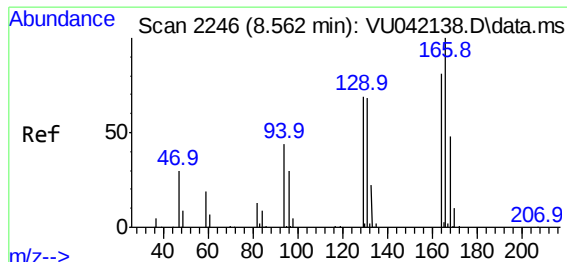
Tgt Ion: 75 Resp: 822

Ion Ratio Lower Upper

75 100

77 66.4 21.8 40.4#





#47

Tetrachloroethene

Concen: 0.44 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. -0.000 min

Lab File: VU042148.D

Acq: 21 Jan 2021 14:12

Tgt Ion: 164 Resp: 3017

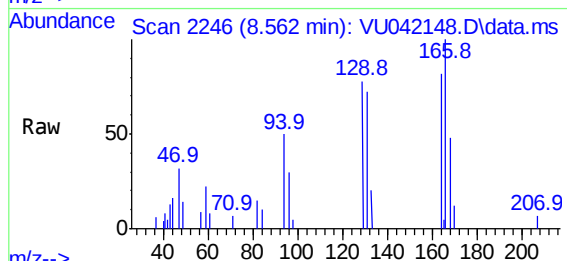
Ion Ratio Lower Upper

164 100

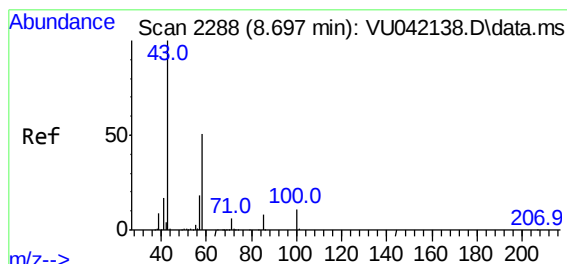
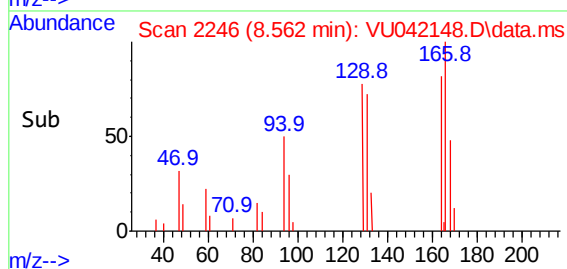
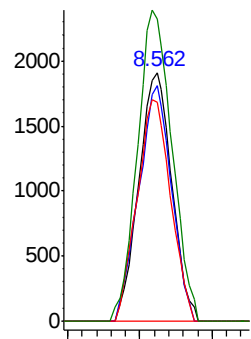
129 94.9 64.3 119.5

131 87.9 62.2 115.6

166 121.4 88.6 164.6



Abundance



#48

2-Hexanone

Concen: 0.65 ug/L

RT: 8.693 min Scan# 2287

Delta R.T. -0.003 min

Lab File: VU042148.D

Acq: 21 Jan 2021 14:12

Tgt Ion: 43 Resp: 3119

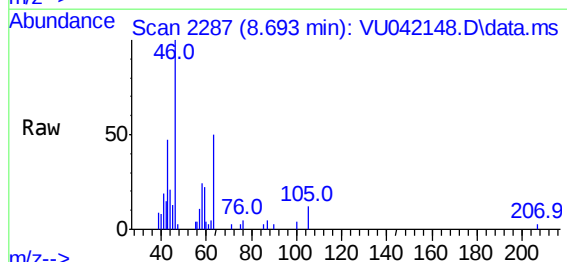
Ion Ratio Lower Upper

43 100

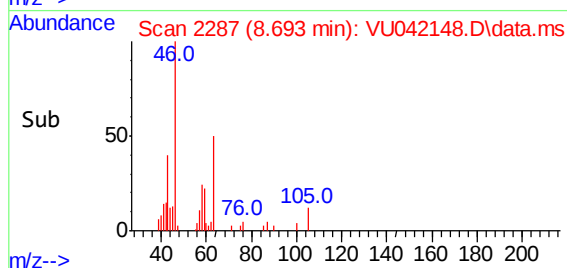
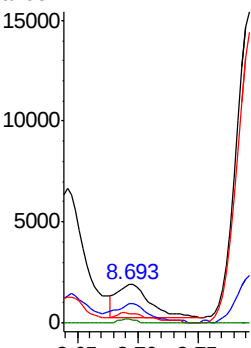
58 47.8 40.6 61.0

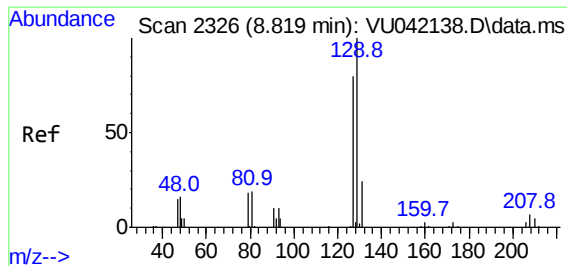
57 0.0 14.9 22.3#

100 4.8 8.6 12.8#



Abundance





#49

Dibromochloromethane

Concen: 0.36 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. -0.257 min

Lab File: VU042148.D

Acq: 21 Jan 2021 14:12

Tgt Ion: 129 Resp: 2853

Ion Ratio Lower Upper

129 100

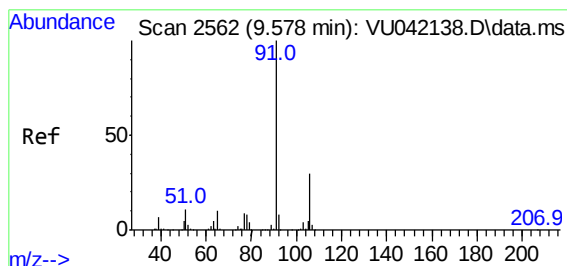
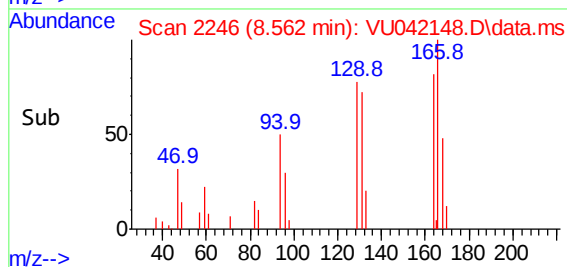
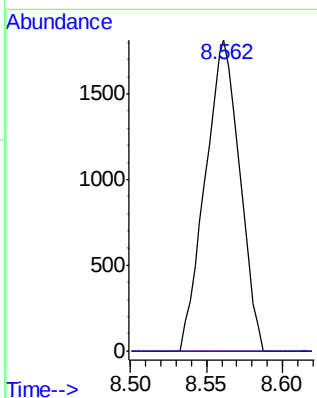
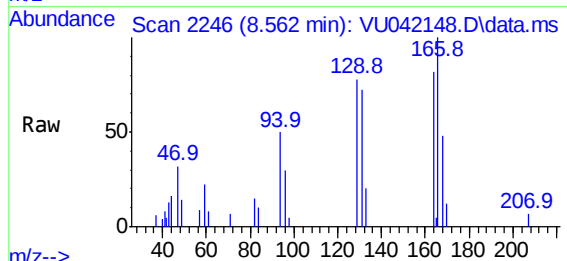
127 0.0 52.3 97.1#

Instrument :

MSVOA_U

ClientSampleId :

BFT93



#52

Ethylbenzene

Concen: 0.05 ug/L

RT: 9.578 min Scan# 2562

Delta R.T. -0.000 min

Lab File: VU042148.D

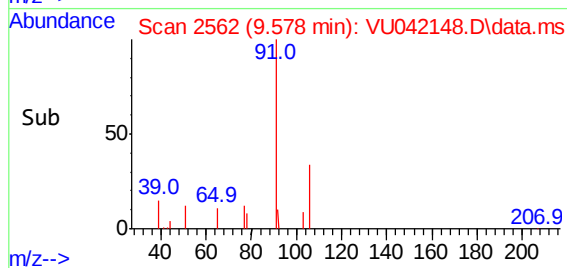
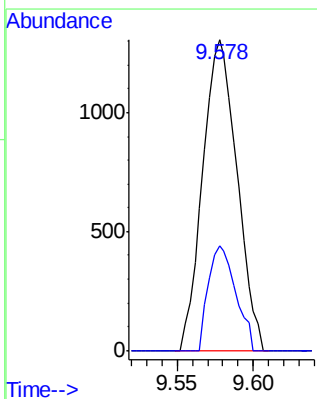
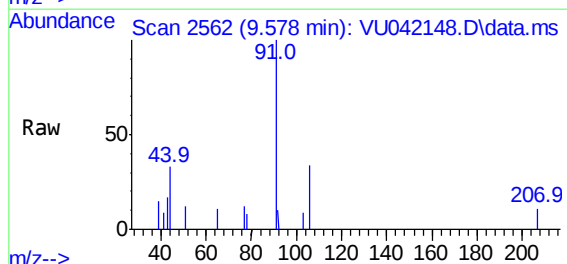
Acq: 21 Jan 2021 14:12

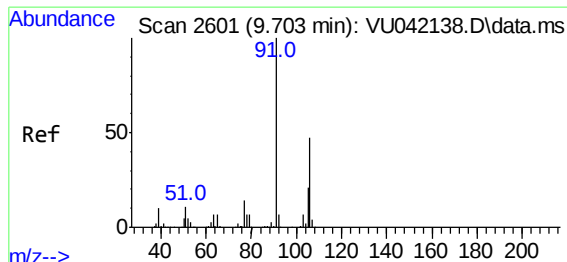
Tgt Ion: 91 Resp: 2048

Ion Ratio Lower Upper

91 100

106 33.7 21.1 39.3

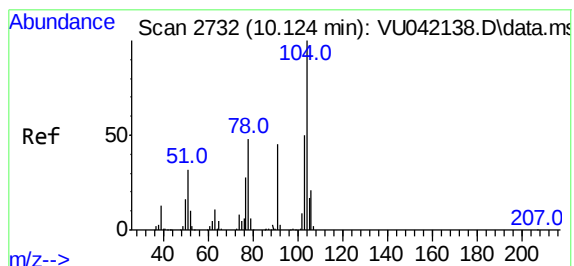
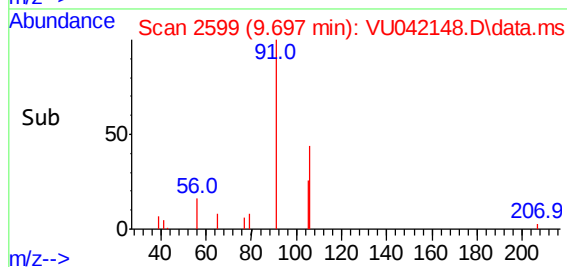
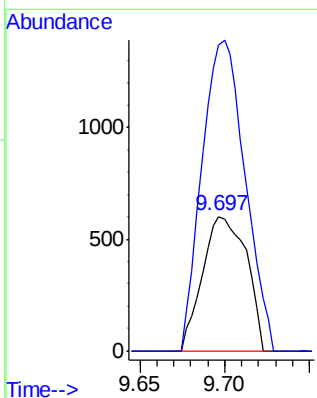
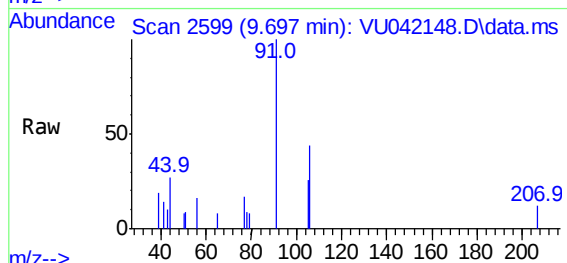




#53
m,p-Xylene
Concen: 0.08 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.006 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

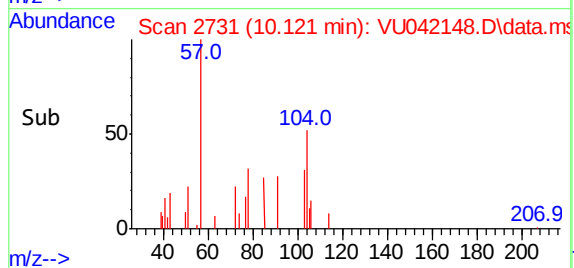
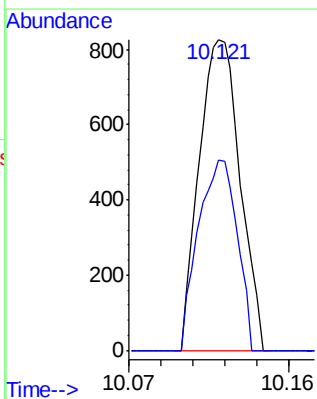
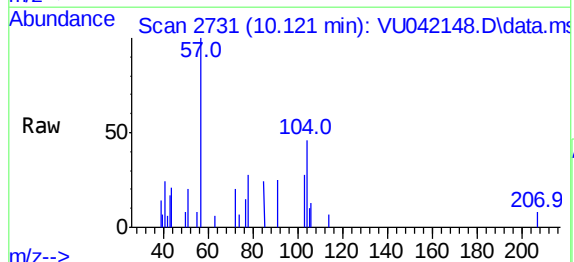
Instrument :
MSVOA_U
ClientSampled :
BFT93

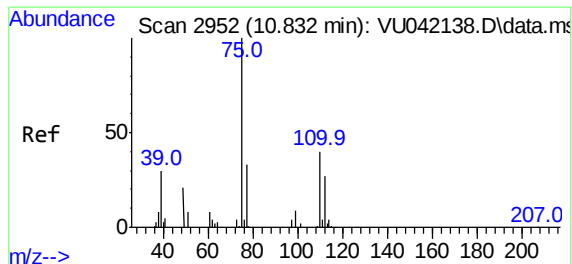
Tgt Ion:106 Resp: 1081
Ion Ratio Lower Upper
106 100
91 227.4 145.1 269.5



#55
Styrene
Concen: 0.06 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

Tgt Ion:104 Resp: 1383
Ion Ratio Lower Upper
104 100
78 61.4 34.9 64.7

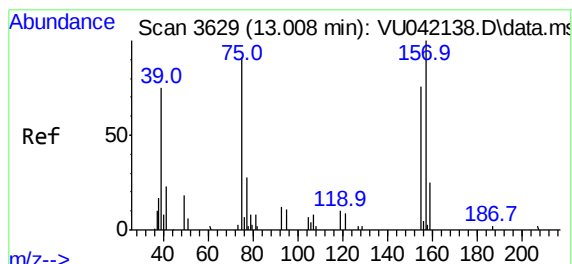
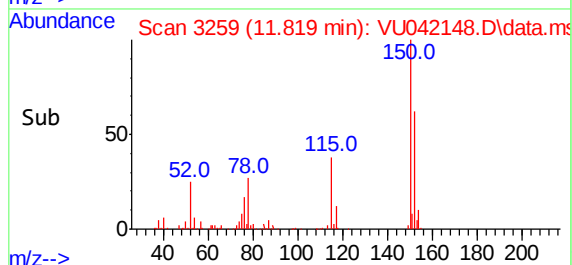
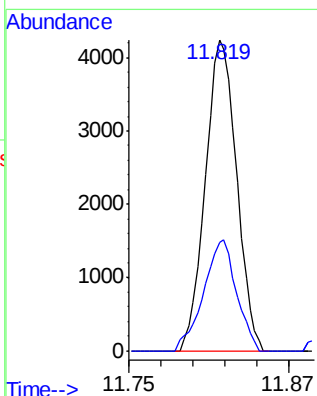
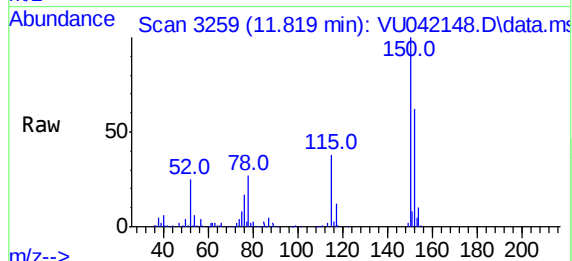




#59
1,2,3-Trichloropropane
Concen: 1.17 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

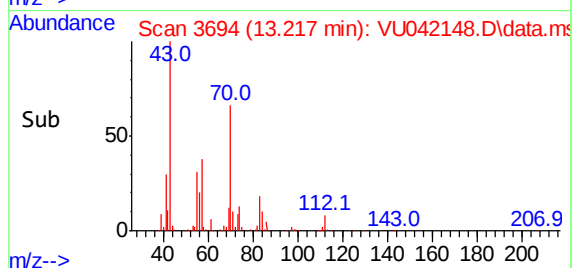
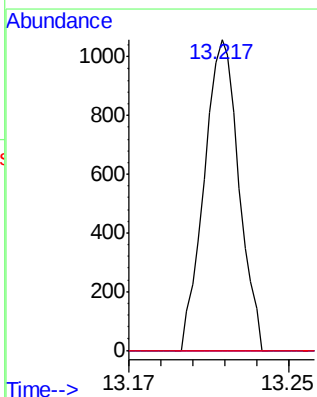
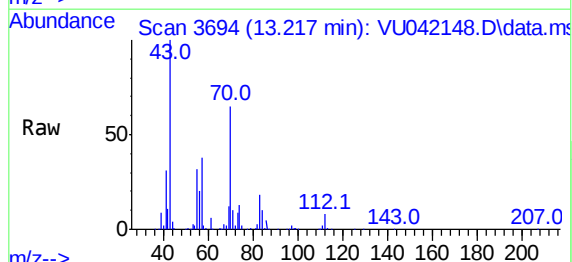
Instrument :
MSVOA_U
ClientSampled :
BFT93

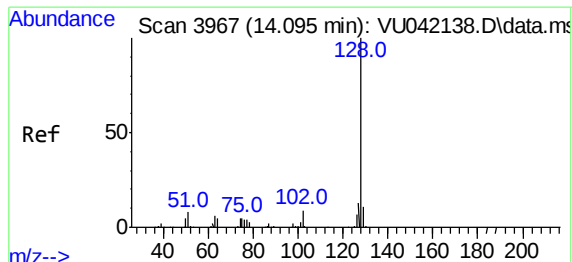
Tgt Ion: 75 Resp: 6654
Ion Ratio Lower Upper
75 100
77 37.5 26.0 39.0



#66
1,2-Dibromo-3-chloropropane
Concen: 0.96 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.209 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

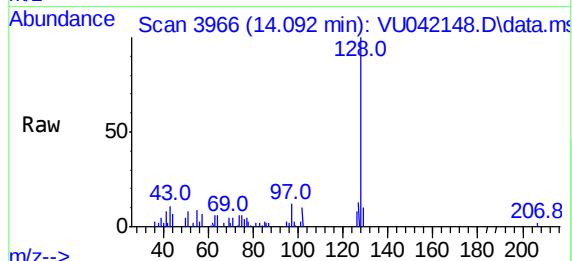
Tgt Ion: 75 Resp: 1397
Ion Ratio Lower Upper
75 100
155 0.0 69.0 103.6#
157 0.0 91.0 136.6#





#69
Naphthalene
Concen: 0.83 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VU042148.D
Acq: 21 Jan 2021 14:12

Instrument :
MSVOA_U
ClientSampleId :
BFT93



Tgt Ion:128 Resp: 13452

Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.7	13.1
127	12.8	10.6	15.8

