

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012121\
 Data File : VU042147.D
 Acq On : 21 Jan 2021 13:48
 Operator : SY/MD
 Sample : M1170-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT92

Quant Time: Jan 22 02:47:31 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	117013	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	107321	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	56353	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	30224	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.909	69	24747	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.562	63	46119	2.77	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.40%#
20) 2-Butanone-d5	4.723	46	106886	38.81	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.62%
24) Chloroform-d	5.070	84	68717	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.713	65	41076	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.729	84	127604	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.700	67	42812	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.903	98	116554	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloroprop...	8.189	79	19661	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.652	63	87944	44.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.16%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	34413	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	12.201	152	47391	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%
Target Compounds						Qvalue
3) Chloromethane	1.514	50	5414	0.55	ug/L	100
8) Chloroethane	1.932	64	367	0.07	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	401	0.05	ug/L #	18
13) Acetone	2.752	43	36096	19.68	ug/L	99
14) Carbon disulfide	2.787	76	11176	0.42	ug/L	95
15) Methyl Acetate	2.996	43	1557	0.36	ug/L #	55
21) 2-Butanone	4.793	43	16602	5.40	ug/L	82
27) 1,2-Dichloroethane	5.732	62	870	0.08	ug/L #	75
33) Benzene	5.777	78	4711	0.15	ug/L	100
34) Trichloroethene	6.546	95	203294	23.87	ug/L	99
35) Methylcyclohexane	6.700	83	10602	0.74	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	4986	0.60	ug/L #	81
39) cis-1,3-Dichloropropene	7.571	75	1440	0.11	ug/L #	33
40) 4-Methyl-2-pentanone	7.813	43	6507	0.91	ug/L #	89
42) Toluene	7.973	91	17819	0.52	ug/L	96
44) trans-1,3-Dichloropropene	8.186	75	912	0.07	ug/L #	30
47) Tetrachloroethene	8.558	164	2133	0.30	ug/L	90
48) 2-Hexanone	8.703	43	4158	0.84	ug/L #	87
49) Dibromochloromethane	8.555	129	1981	0.24	ug/L #	12
53) m,p-Xylene	9.700	106	932	0.06	ug/L	67

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QLast Update : Fri Jan 22 02:43:44 2021
Response via : Initial Calibration

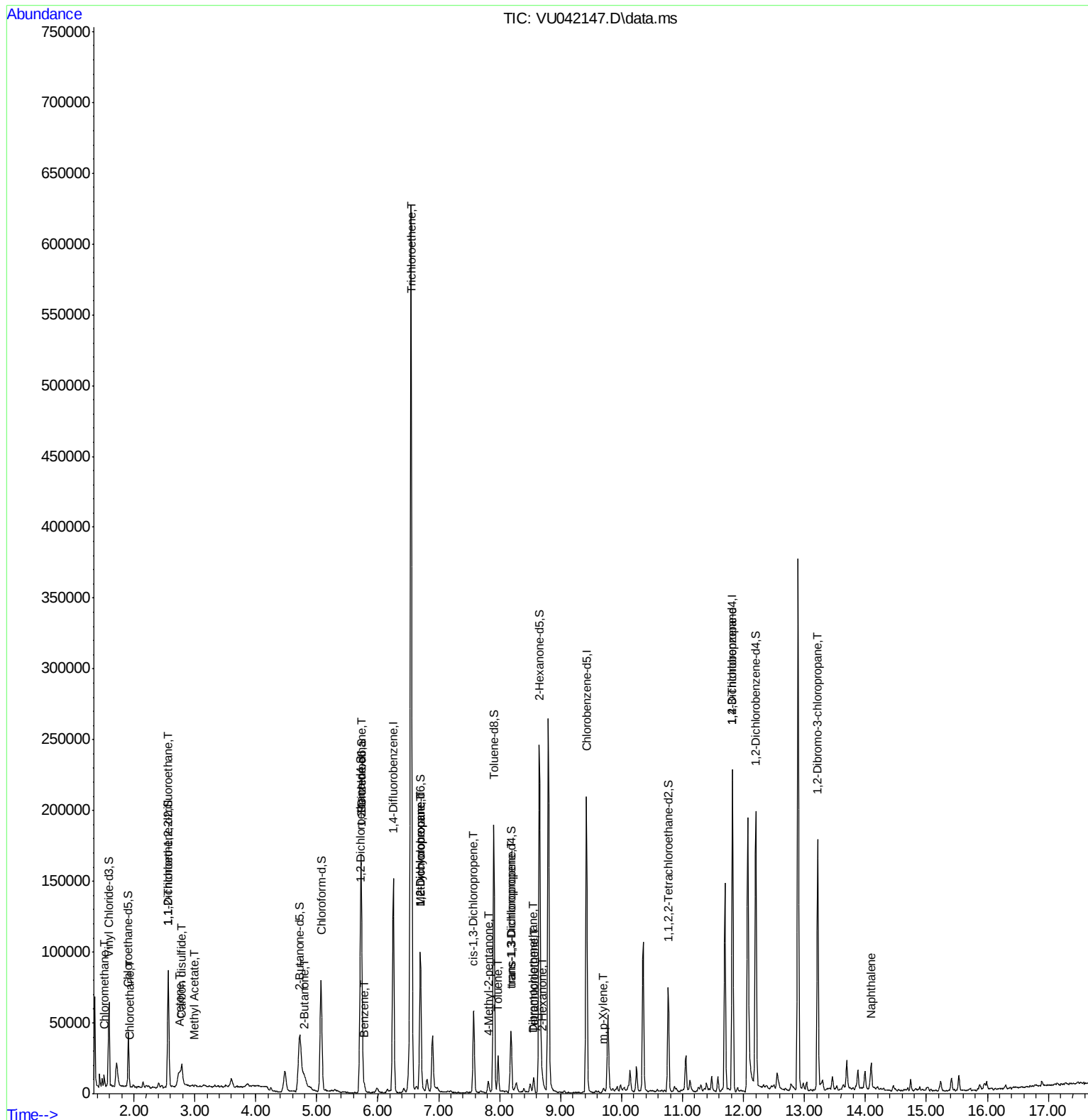
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
59)	1,2,3-Trichloropropane	11.819	75	6522	1.11 ug/L	89
66)	1,2-Dibromo-3-chloropr...	13.217	75	997	0.68 ug/L #	1
69)	Naphthalene	14.095	128	11588	0.71 ug/L	100

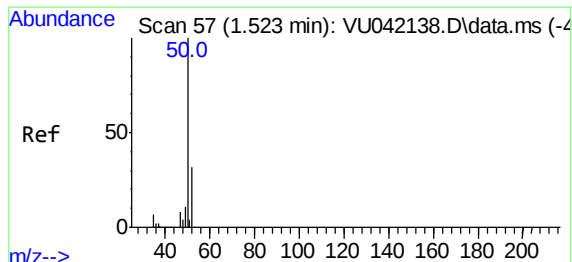
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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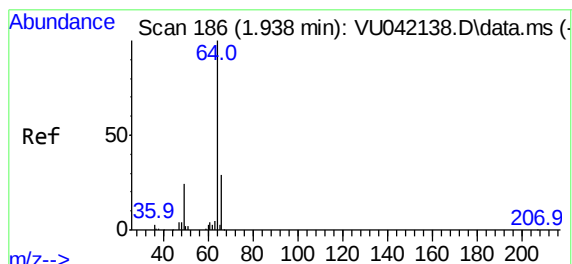
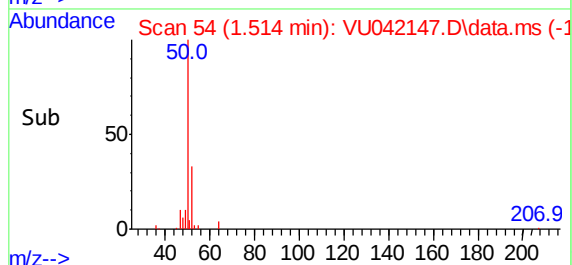
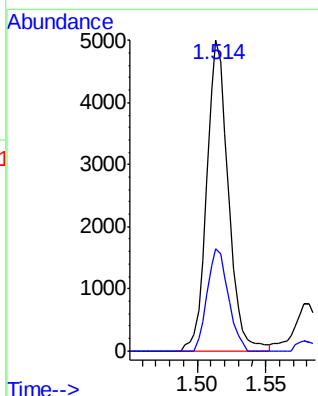
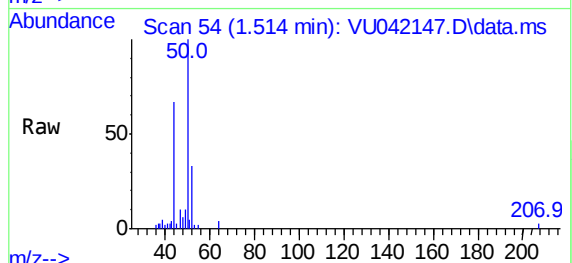




#3
Chloromethane
Concen: 0.55 ug/L
RT: 1.514 min Scan# 54
Delta R.T. -0.010 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

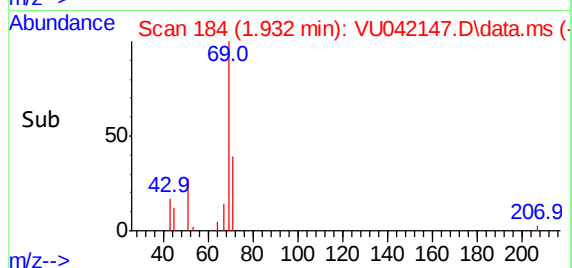
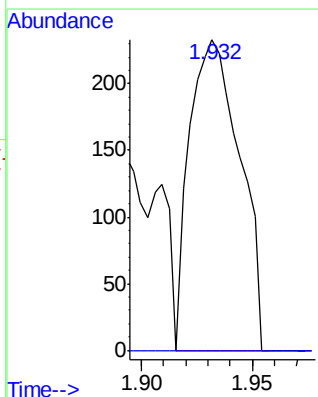
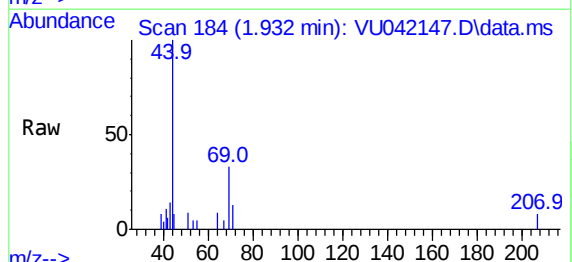
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ClientSampleId :
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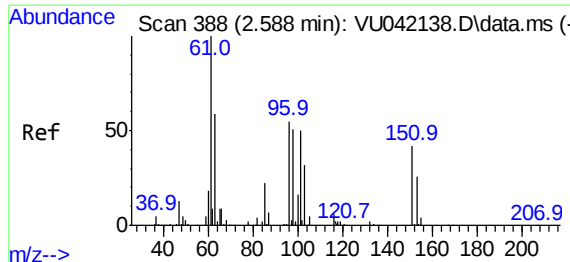
Tgt Ion: 50 Resp: 5414
Ion Ratio Lower Upper
50 100
52 32.9 23.0 42.8



#8
Chloroethane
Concen: 0.07 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.006 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

Tgt Ion: 64 Resp: 367
Ion Ratio Lower Upper
64 100
66 0.0 22.2 41.2#

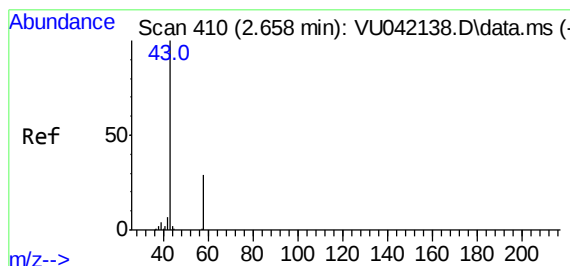
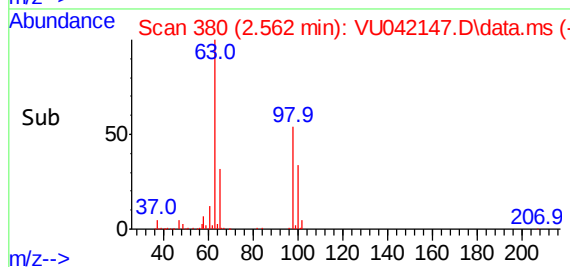
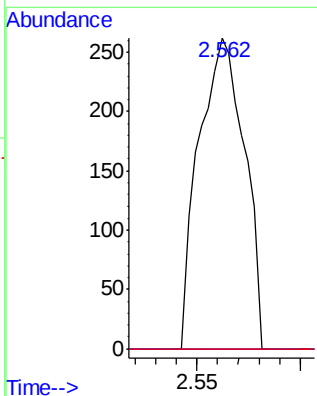
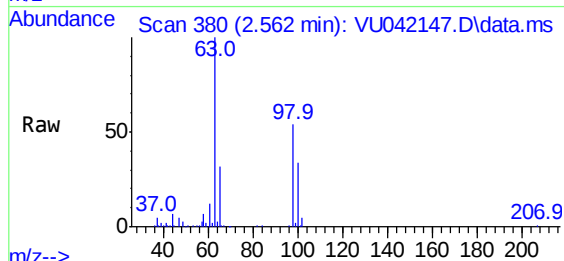




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.05 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.026 min
 Lab File: VU042147.D
 Acq: 21 Jan 2021 13:48

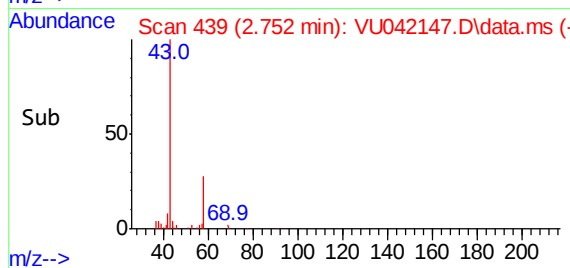
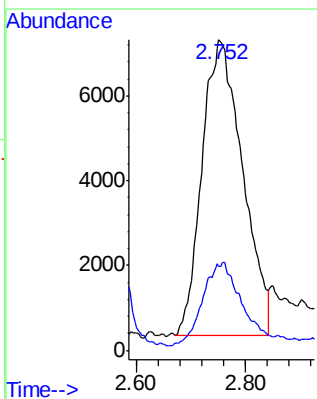
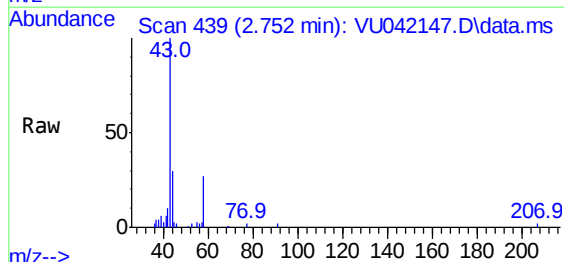
Instrument :
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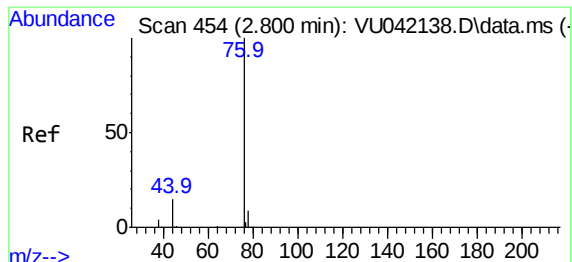
Tgt Ion:101 Resp: 401
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#



#13
 Acetone
 Concen: 19.68 ug/L
 RT: 2.752 min Scan# 439
 Delta R.T. 0.093 min
 Lab File: VU042147.D
 Acq: 21 Jan 2021 13:48

Tgt Ion: 43 Resp: 36096
 Ion Ratio Lower Upper
 43 100
 58 27.2 0.0 55.8

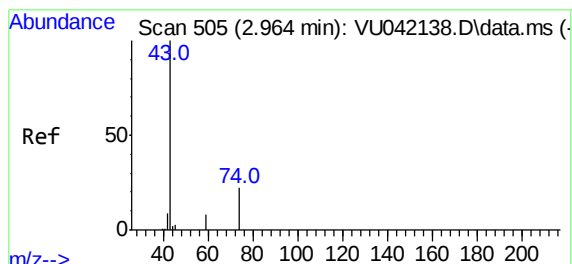
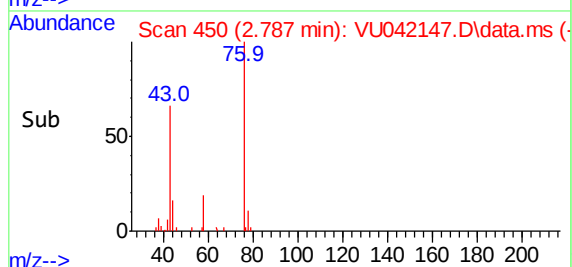
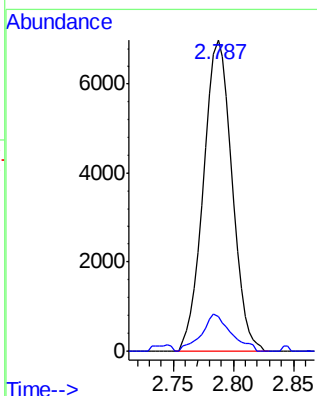
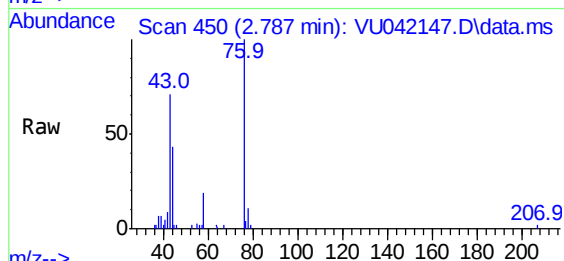




#14
Carbon disulfide
Concen: 0.42 ug/L
RT: 2.787 min Scan# 450
Delta R.T. -0.013 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

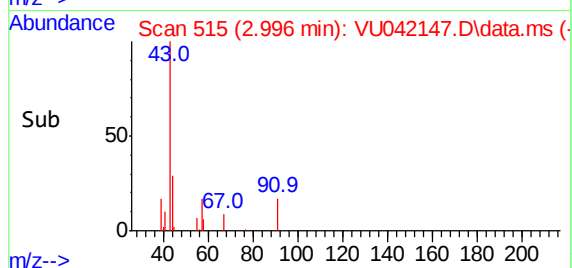
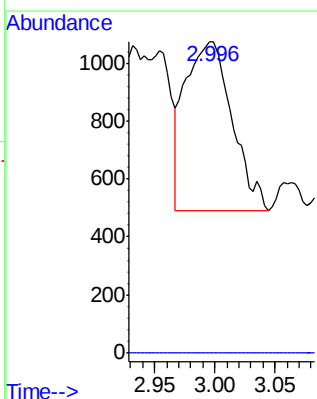
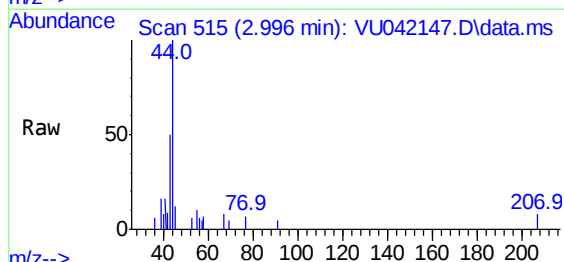
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ClientSampleId :
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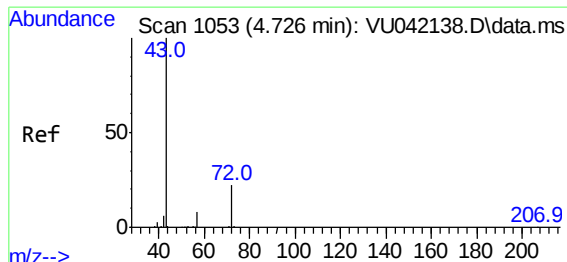
Tgt Ion: 76 Resp: 11176
Ion Ratio Lower Upper
76 100
78 10.9 7.3 10.9



#15
Methyl Acetate
Concen: 0.36 ug/L
RT: 2.996 min Scan# 515
Delta R.T. 0.032 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#

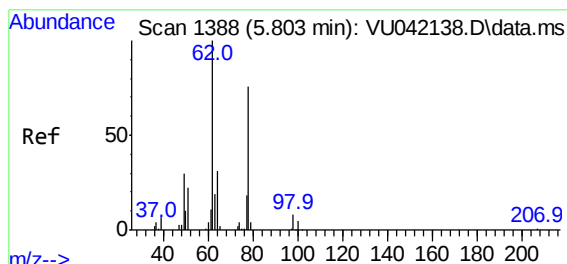
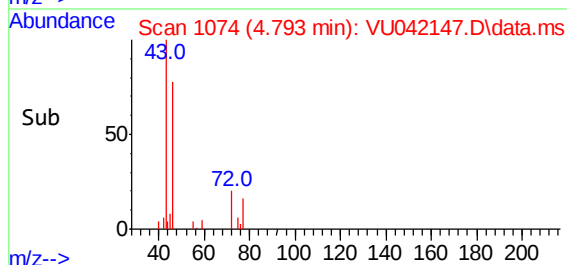
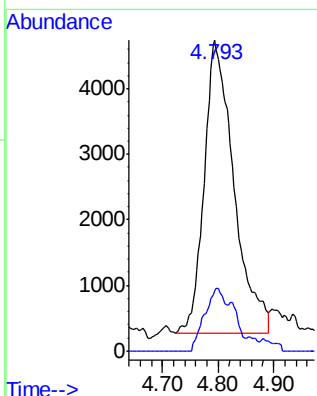
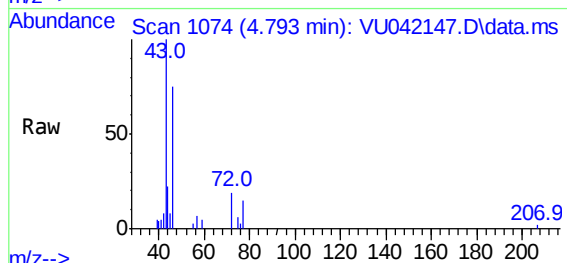




#21
2-Butanone
Concen: 5.40 ug/L
RT: 4.793 min Scan# 1074
Delta R.T. 0.068 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

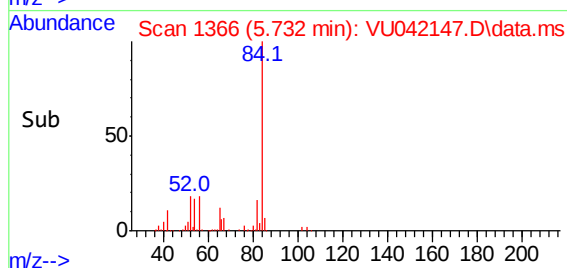
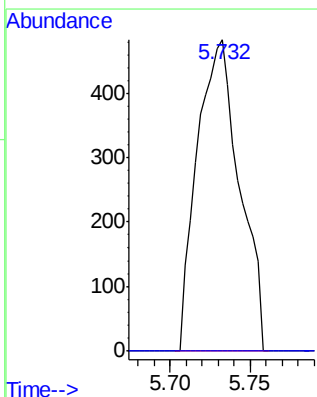
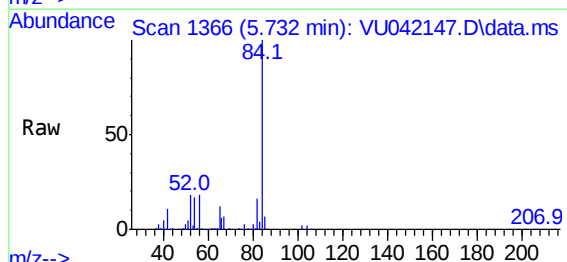
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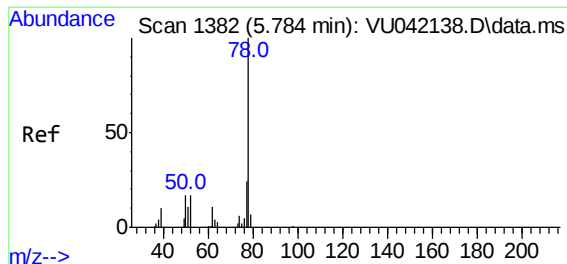
Tgt Ion: 43 Resp: 16602
Ion Ratio Lower Upper
43 100
72 14.6 11.7 35.1



#27
1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 5.732 min Scan# 1366
Delta R.T. -0.071 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

Tgt Ion: 62 Resp: 870
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

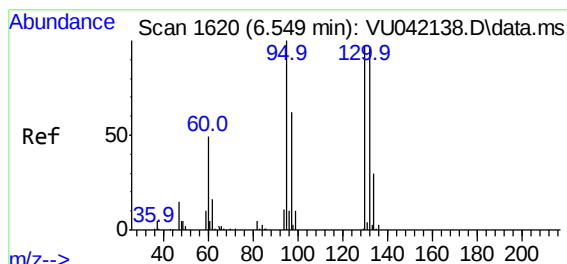
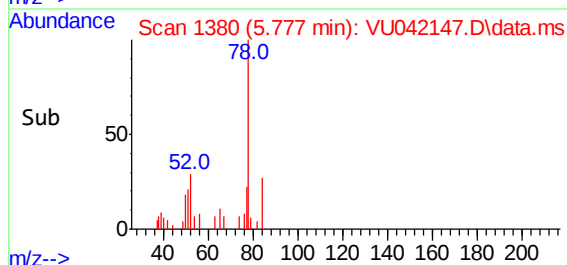
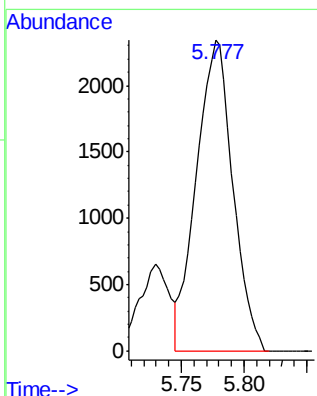
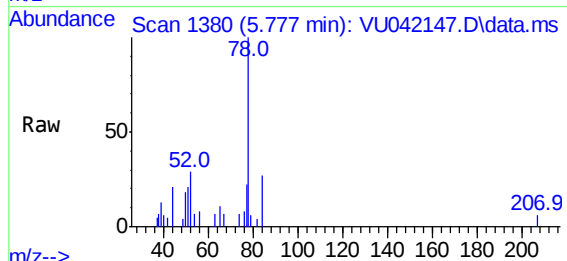




#33
Benzene
Concen: 0.15 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

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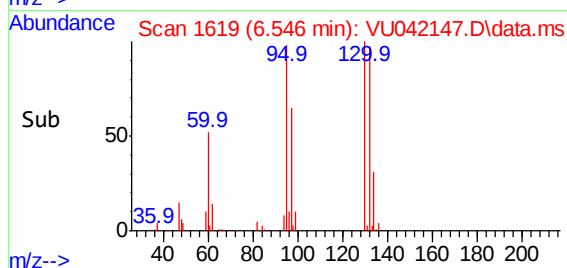
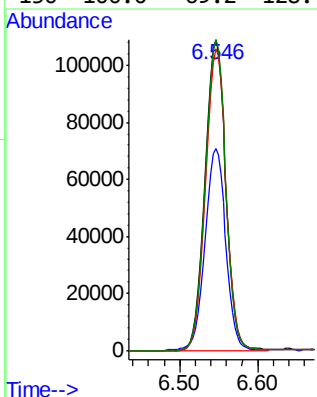
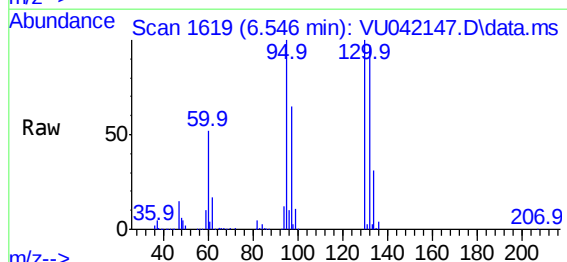
Tgt Ion: 78 Resp: 4711

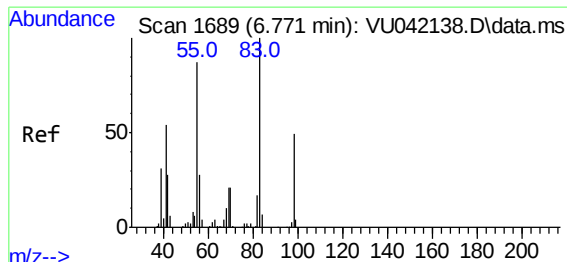


#34
Trichloroethene
Concen: 23.87 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

Tgt Ion: 95 Resp: 203294

Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.4	82.4
132	97.0	68.0	126.4
130	100.0	69.2	128.4

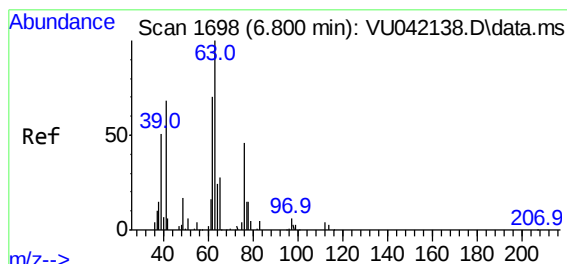
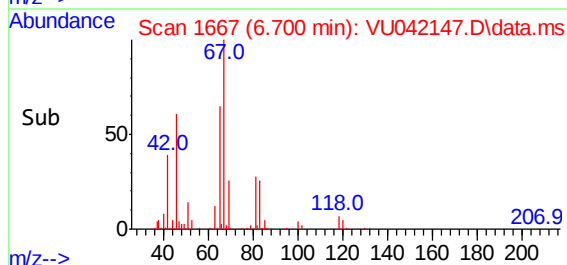
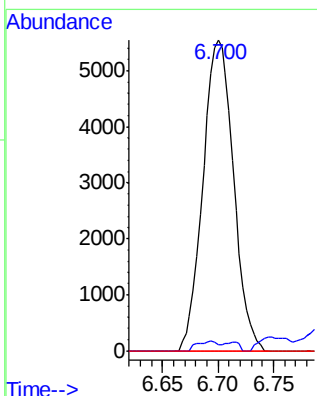
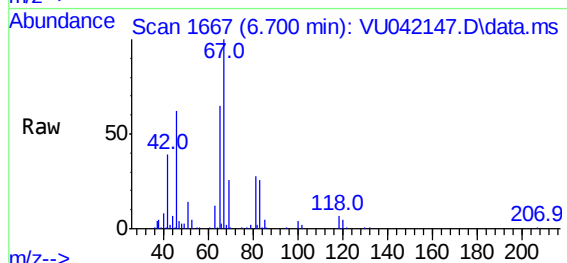




#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

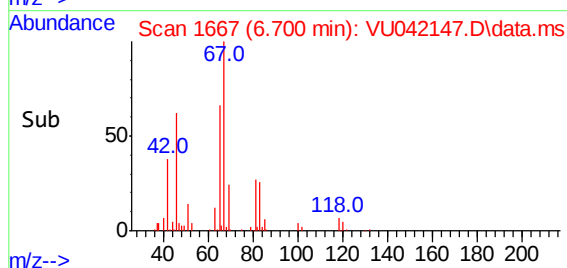
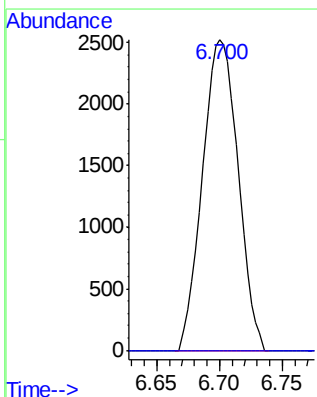
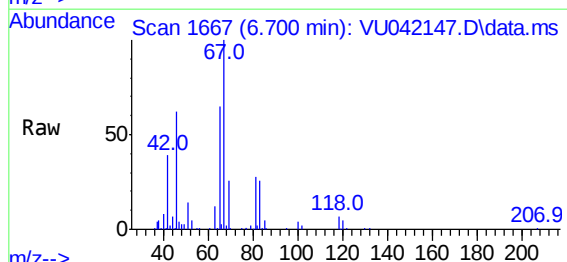
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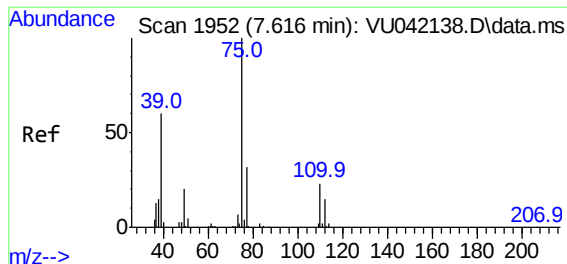
Tgt Ion: 83 Resp: 10602
Ion Ratio Lower Upper
83 100
55 2.2 68.2 102.4#
98 0.0 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.60 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

Tgt Ion: 63 Resp: 4986
Ion Ratio Lower Upper
63 100
112 10.4 3.4 5.0#

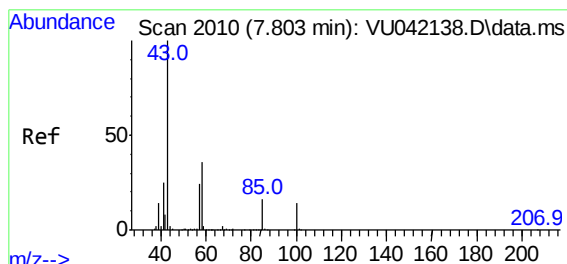
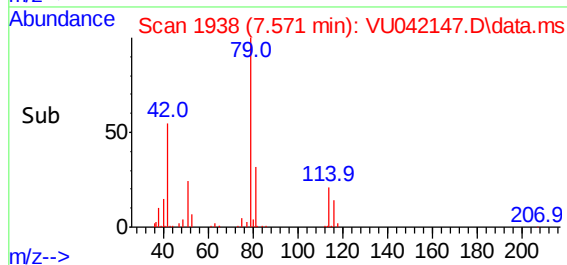
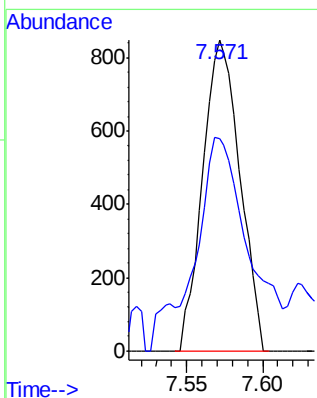
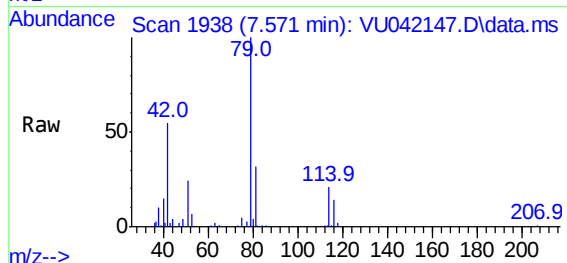




#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

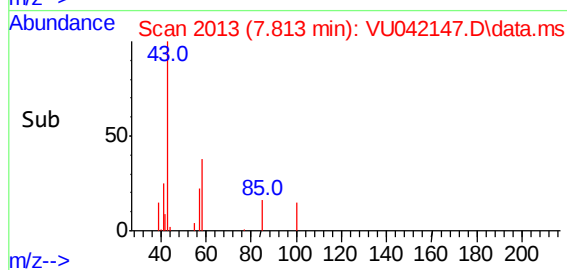
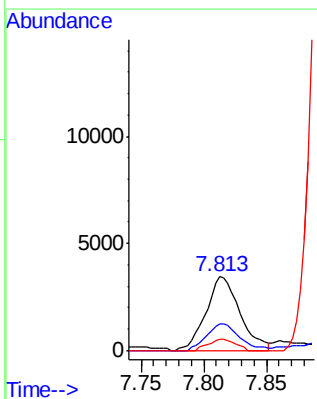
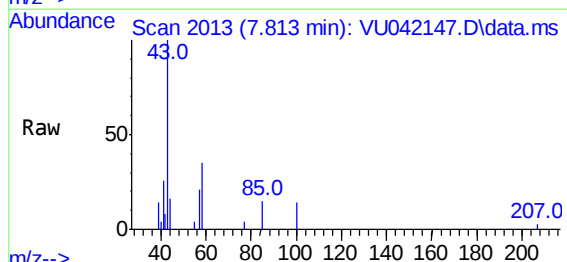
Instrument :
MSVOA_U
ClientSampleId :
BFT92

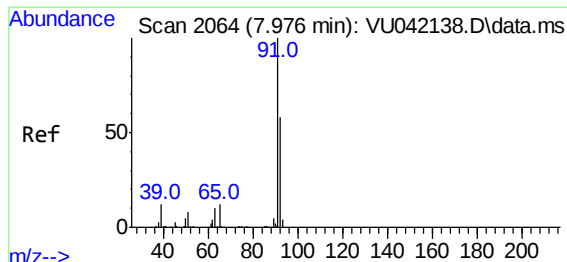
Tgt Ion: 75 Resp: 1440
Ion Ratio Lower Upper
75 100
77 68.4 22.0 40.8#



#40
4-Methyl-2-pentanone
Concen: 0.91 ug/L
RT: 7.813 min Scan# 2013
Delta R.T. 0.010 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

Tgt Ion: 43 Resp: 6507
Ion Ratio Lower Upper
43 100
58 35.1 29.1 43.7
100 0.0 11.0 16.4#





#42

Toluene

Concen: 0.52 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU042147.D

Acq: 21 Jan 2021 13:48

Tgt Ion: 91 Resp: 17819

Ion Ratio Lower Upper

91 100

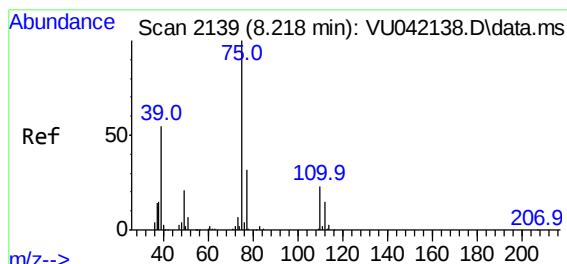
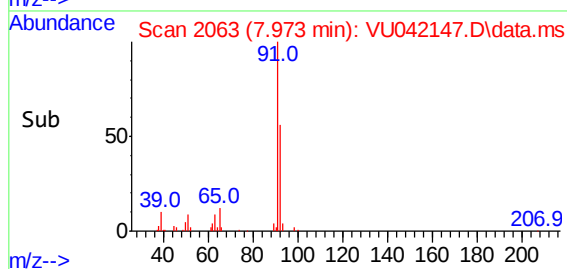
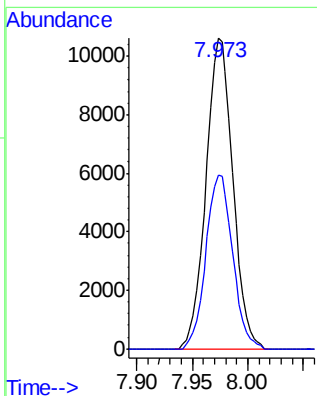
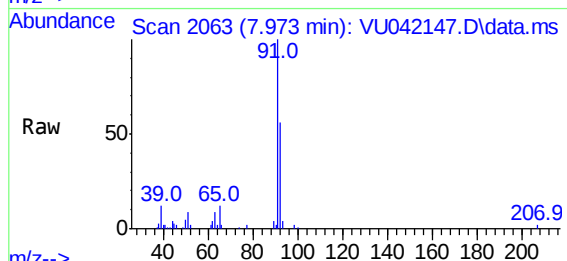
92 56.1 41.2 76.6

Instrument :

MSVOA_U

ClientSampleId :

BFT92



#44

trans-1,3-Dichloropropene

Concen: 0.07 ug/L

RT: 8.186 min Scan# 2129

Delta R.T. -0.032 min

Lab File: VU042147.D

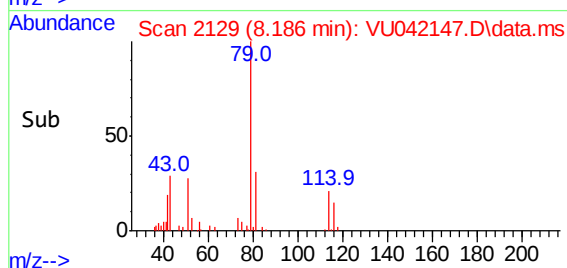
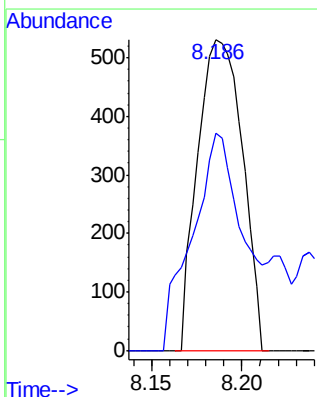
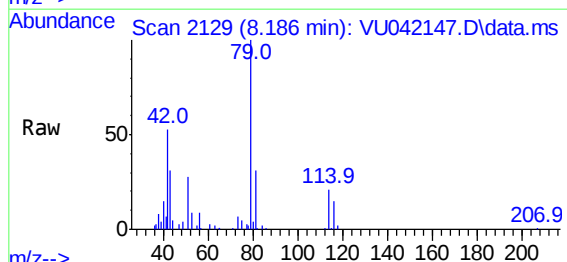
Acq: 21 Jan 2021 13:48

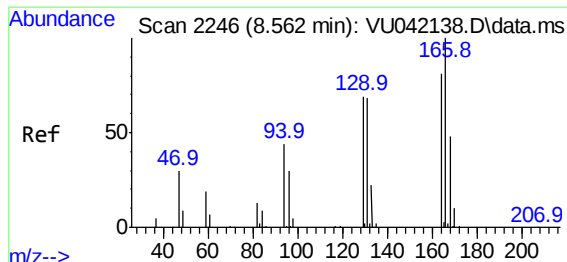
Tgt Ion: 75 Resp: 912

Ion Ratio Lower Upper

75 100

77 69.9 21.8 40.4#





#47

Tetrachloroethene

Concen: 0.30 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.003 min

Lab File: VU042147.D

Acq: 21 Jan 2021 13:48

Tgt Ion:164 Resp: 2133

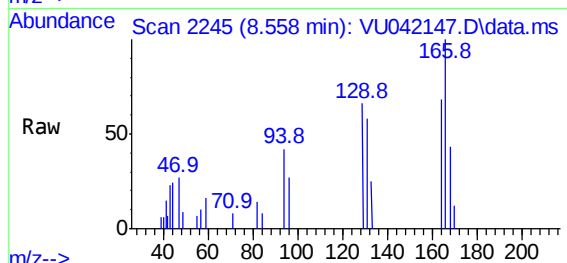
Ion Ratio Lower Upper

164 100

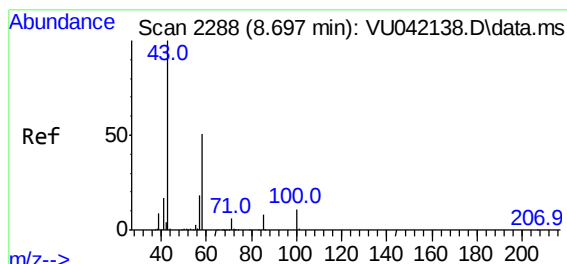
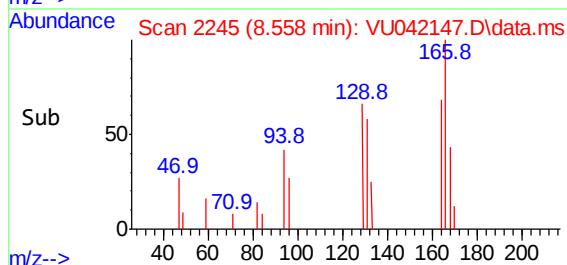
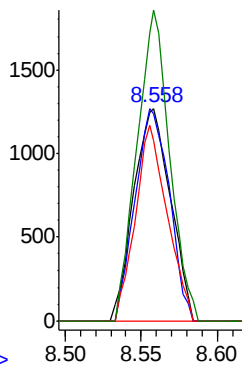
129 97.2 64.3 119.5

131 85.1 62.2 115.6

166 146.3 88.6 164.6



Abundance



#48

2-Hexanone

Concen: 0.84 ug/L

RT: 8.703 min Scan# 2290

Delta R.T. 0.007 min

Lab File: VU042147.D

Acq: 21 Jan 2021 13:48

Tgt Ion: 43 Resp: 4158

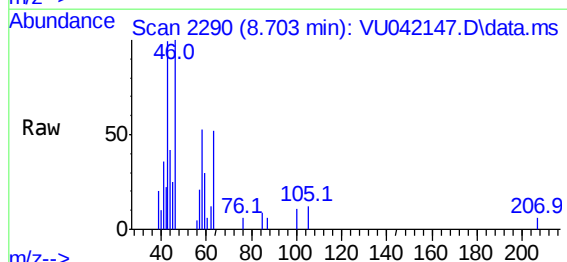
Ion Ratio Lower Upper

43 100

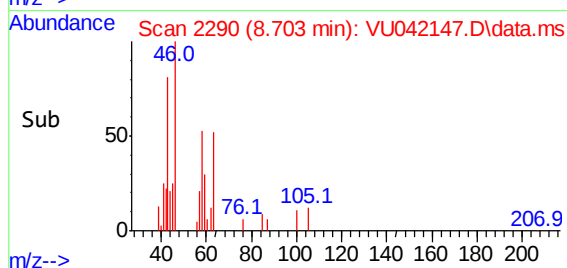
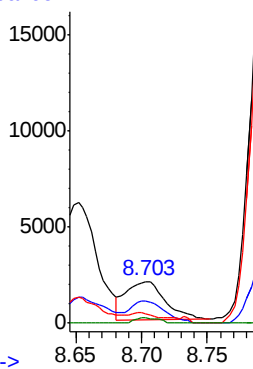
58 48.6 40.6 61.0

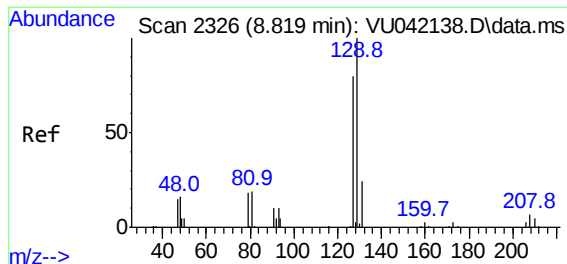
57 0.0 14.9 22.3#

100 6.6 8.6 12.8#



Abundance

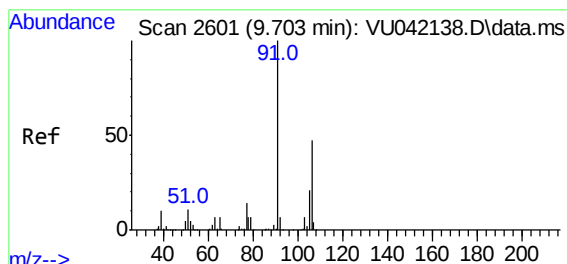
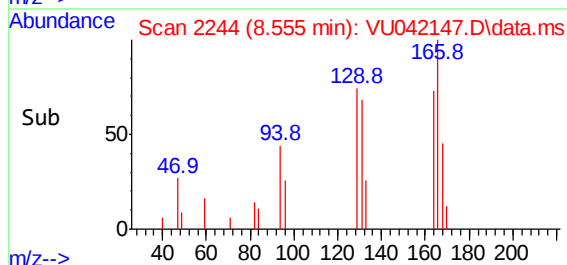
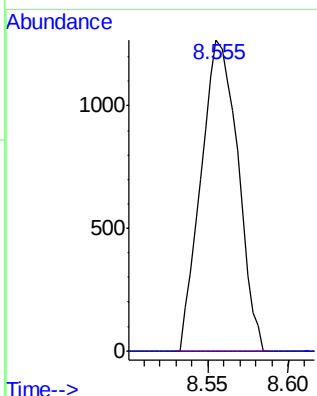
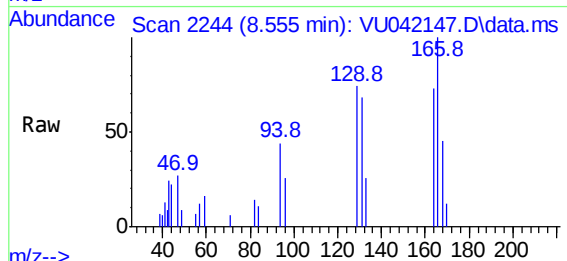




#49
Dibromochloromethane
Concen: 0.24 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.264 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

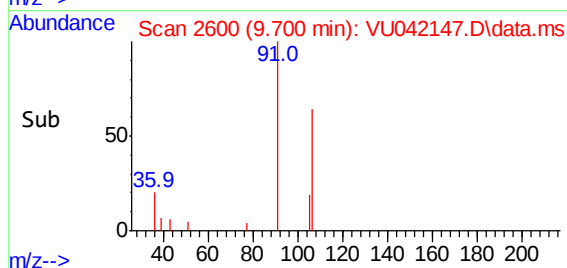
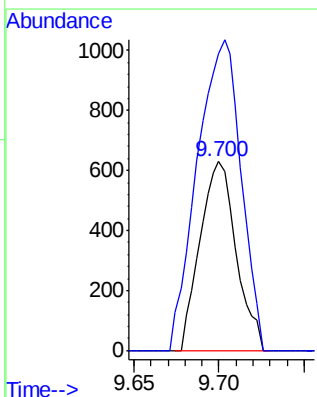
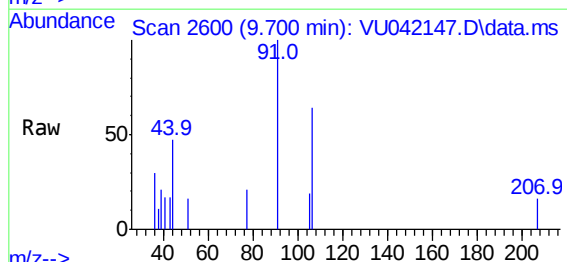
Instrument :
MSVOA_U
ClientSampleId :
BFT92

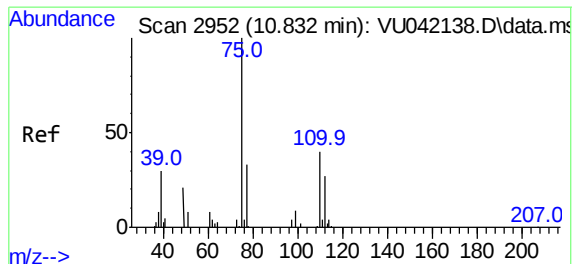
Tgt Ion:129 Resp: 1981
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#53
m,p-Xylene
Concen: 0.06 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.003 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

Tgt Ion:106 Resp: 932
Ion Ratio Lower Upper
106 100
91 156.8 145.1 269.5

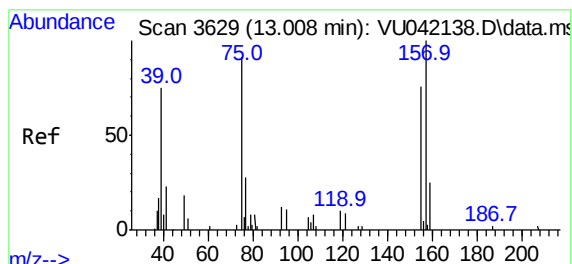
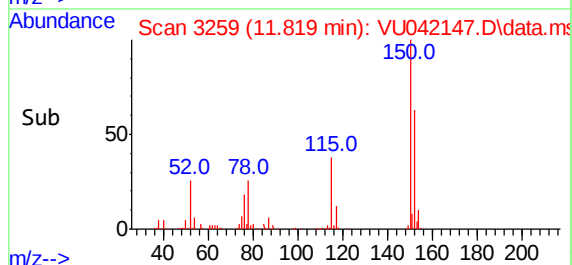
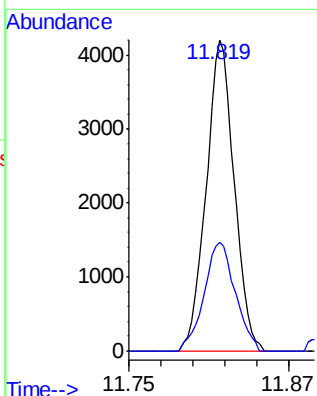
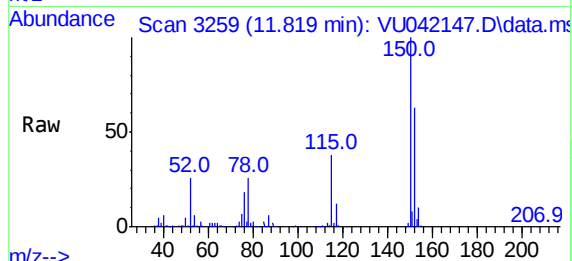




#59
1,2,3-Trichloropropane
Concen: 1.11 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

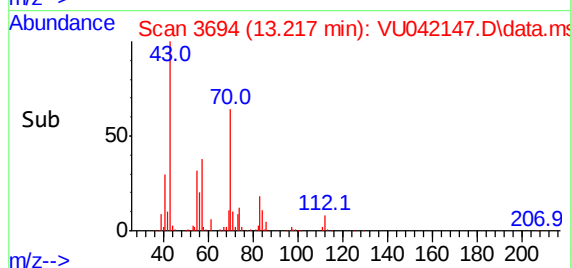
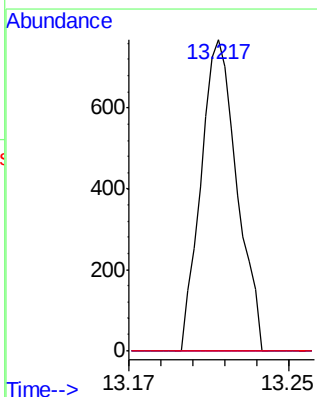
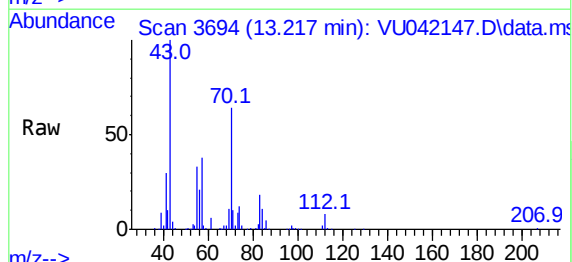
Instrument :
MSVOA_U
ClientSampleId :
BFT92

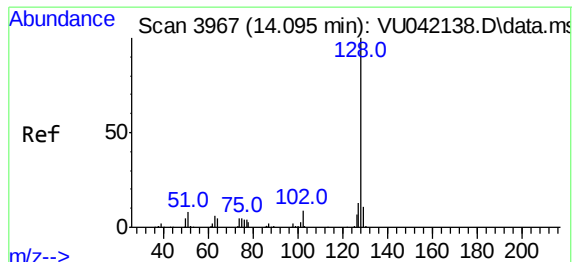
Tgt Ion: 75 Resp: 6522
Ion Ratio Lower Upper
75 100
77 38.8 26.0 39.0



#66
1,2-Dibromo-3-chloropropane
Concen: 0.68 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.209 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

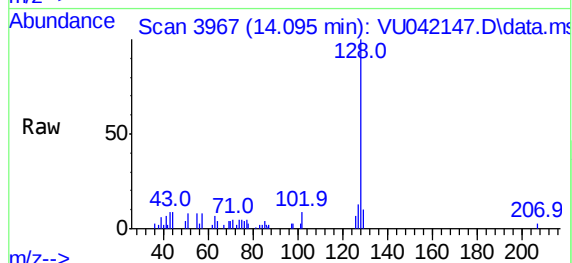
Tgt Ion: 75 Resp: 997
Ion Ratio Lower Upper
75 100
155 0.0 69.0 103.6#
157 0.0 91.0 136.6#





#69
Naphthalene
Concen: 0.71 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042147.D
Acq: 21 Jan 2021 13:48

Instrument :
MSVOA_U
ClientSampleId :
BFT92



Tgt Ion:128 Resp: 11588

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.3	10.6	15.8

