

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012221\
 Data File : VU042170.D
 Acq On : 22 Jan 2021 15:21
 Operator : SY/MD
 Sample : M1222-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E12

Quant Time: Jan 23 06:21:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 23 06:18:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	100021	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	94680	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	51353	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	26765	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.919	69	23249	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.571	63	47641	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	4.645	46	86106	36.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.14%
24) Chloroform-d	5.073	84	62736	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.713	65	37575	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.735	84	116615	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.700	67	38029	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.906	98	106227	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloroprop...	8.189	79	18060	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.642	63	82449	46.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.70%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	32669	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.201	152	44493	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	348	0.05	ug/L #	18
13) Acetone	2.655	43	2392	1.53	ug/L	60
14) Carbon disulfide	2.800	76	1097	0.05	ug/L #	75
17) Methyl tert-butyl Ether	3.369	73	1580	0.08	ug/L #	85
22) cis-1,2-Dichloroethene	4.677	96	2599	0.34	ug/L	94
25) Chloroform	5.102	83	790	0.06	ug/L	95
27) 1,2-Dichloroethane	5.742	62	683	0.07	ug/L #	75
33) Benzene	5.784	78	1444	0.05	ug/L	100
34) Trichloroethene	6.549	95	612	0.08	ug/L	92
35) Methylcyclohexane	6.700	83	9067	0.72	ug/L #	15
37) 1,2-Dichloropropane	6.697	63	4583	0.62	ug/L #	87
39) cis-1,3-Dichloropropene	7.574	75	1359	0.11	ug/L #	70
42) Toluene	7.976	91	4130	0.14	ug/L	98
44) trans-1,3-Dichloropropene	8.185	75	689	0.06	ug/L #	63
47) Tetrachloroethene	8.562	164	1252	0.20	ug/L	92
48) 2-Hexanone	8.690	43	6161	1.41	ug/L #	93
49) Dibromochloromethane	8.562	129	1063	0.15	ug/L #	12
53) m,p-Xylene	9.697	106	688	0.05	ug/L	69
59) 1,2,3-Trichloropropane	11.819	75	5996	1.16	ug/L	93

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Quant Time: Jan 23 06:21:54 2021
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 23 06:18:59 2021
Response via : Initial Calibration

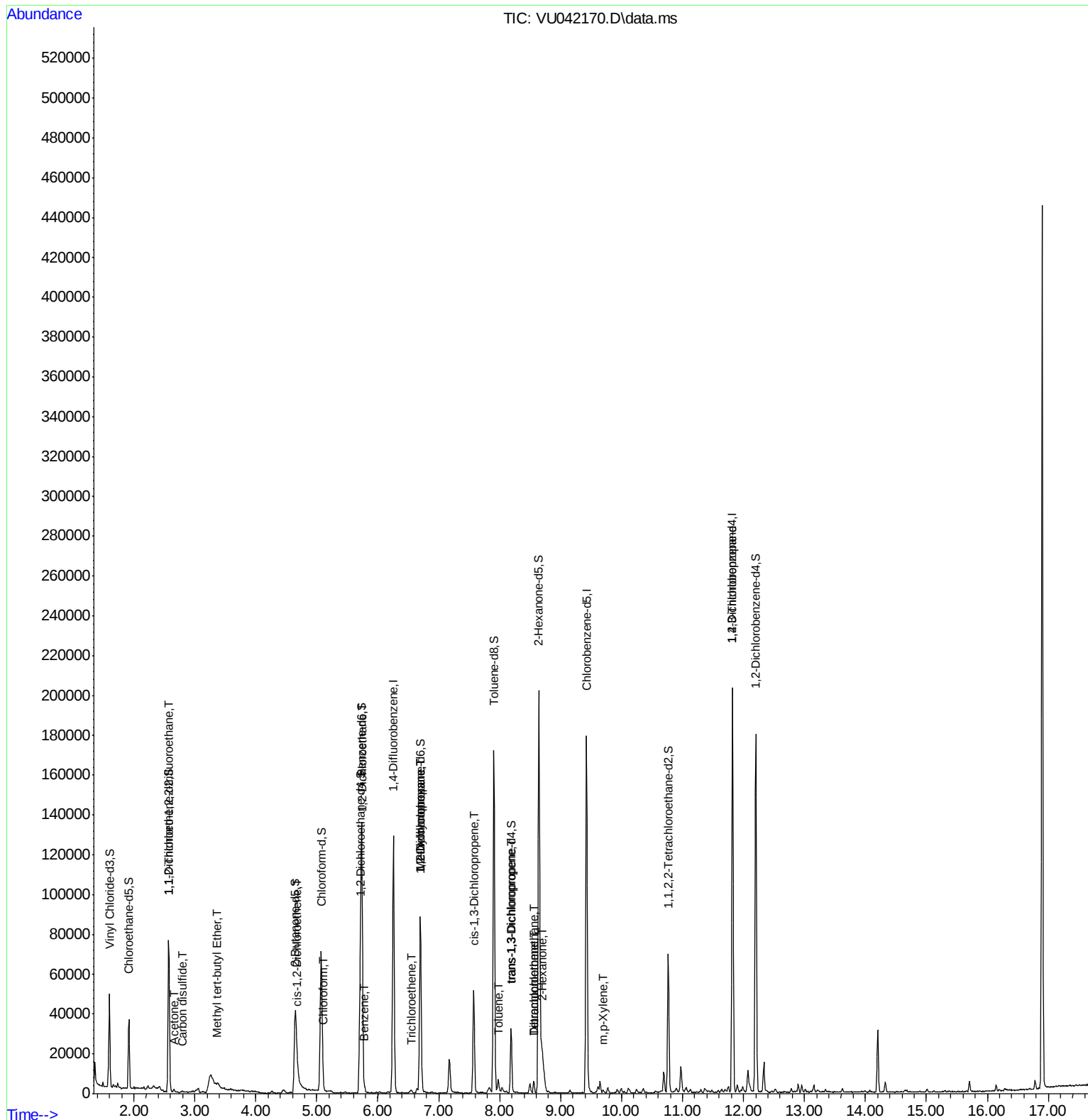
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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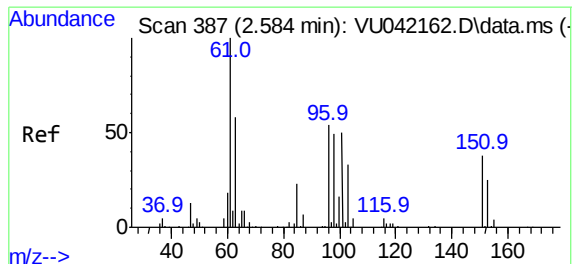
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012221\
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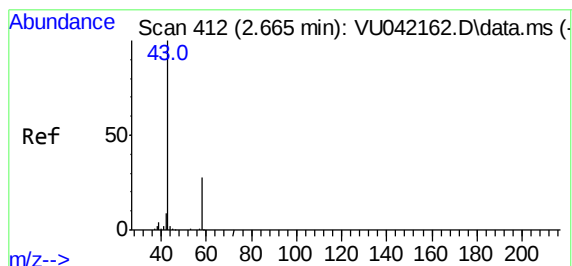
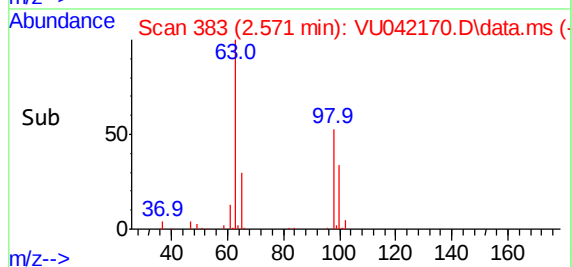
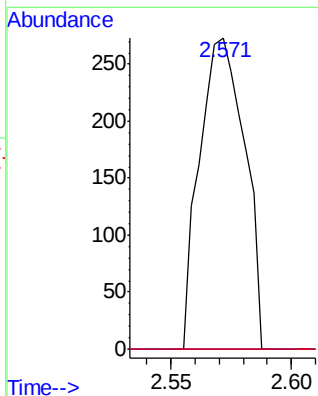
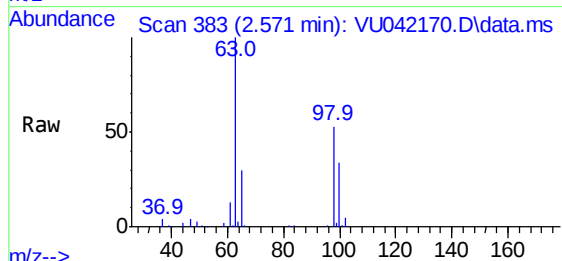




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.05 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.013 min
Lab File: VU042170.D
Acq: 22 Jan 2021 15:21

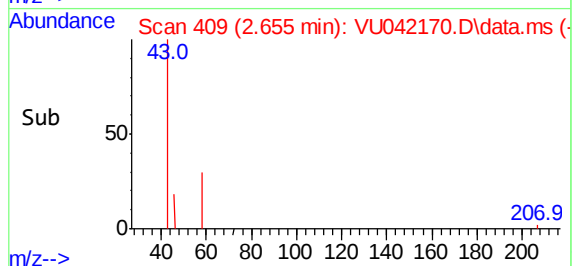
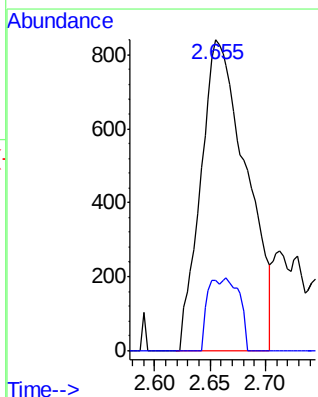
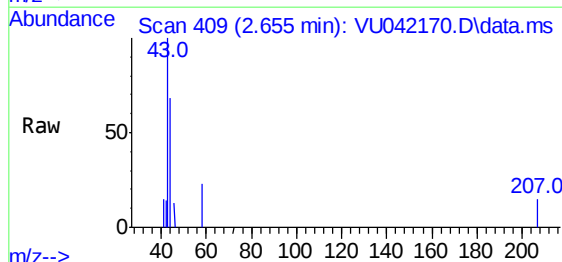
Instrument :
MSVOA_U
ClientSampleId :
F1E12

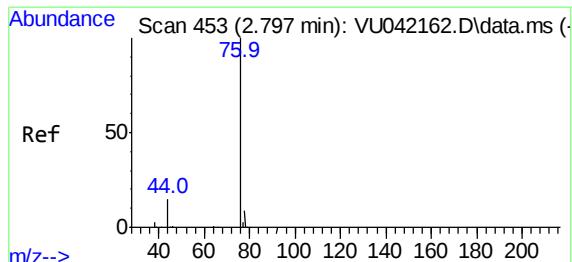
Tgt Ion:101 Resp: 348
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#



#13
Acetone
Concen: 1.53 ug/L
RT: 2.655 min Scan# 409
Delta R.T. -0.010 min
Lab File: VU042170.D
Acq: 22 Jan 2021 15:21

Tgt Ion: 43 Resp: 2392
Ion Ratio Lower Upper
43 100
58 6.8 0.0 55.8





#14

Carbon disulfide

Concen: 0.05 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.003 min

Lab File: VU042170.D

Acq: 22 Jan 2021 15:21

Tgt Ion: 76 Resp: 1097

Ion Ratio Lower Upper

76 100

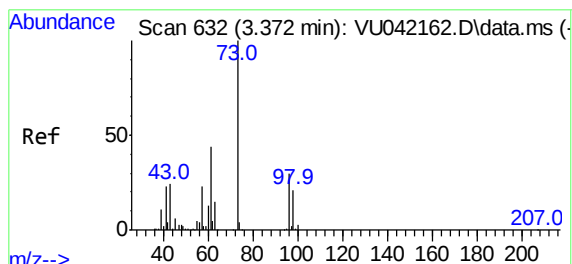
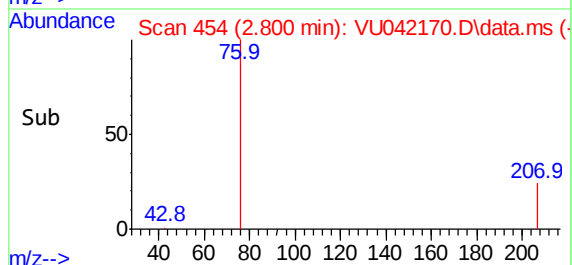
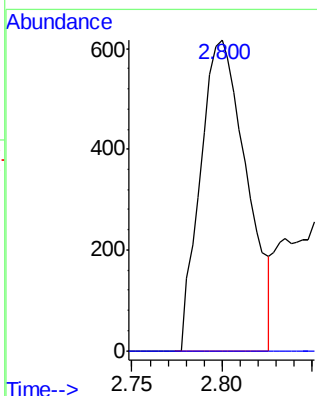
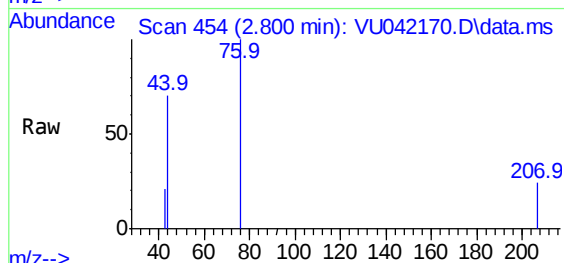
78 0.0 7.3 10.9#

Instrument :

MSVOA_U

ClientSampleId :

F1E12



#17

Methyl tert-butyl Ether

Concen: 0.08 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.003 min

Lab File: VU042170.D

Acq: 22 Jan 2021 15:21

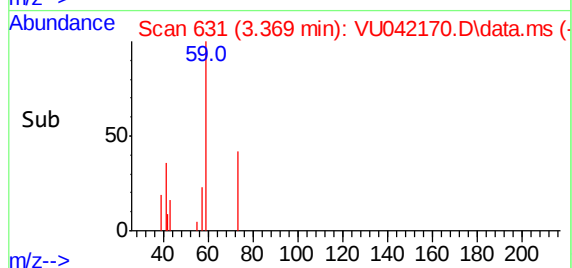
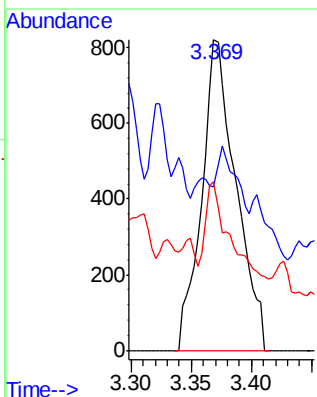
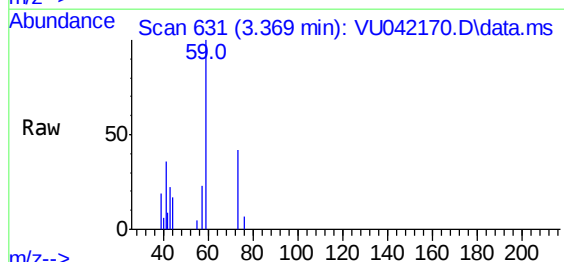
Tgt Ion: 73 Resp: 1580

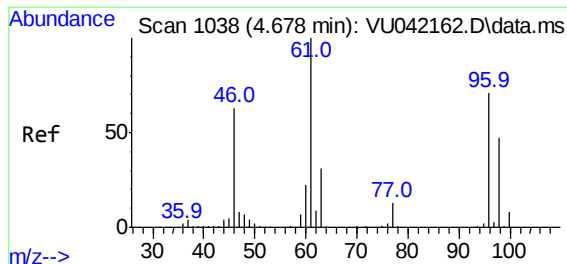
Ion Ratio Lower Upper

73 100

43 10.6 18.9 28.3#

57 21.4 18.2 27.4



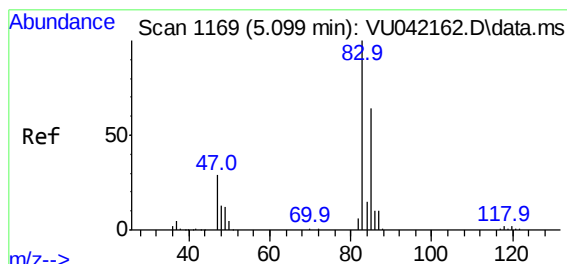
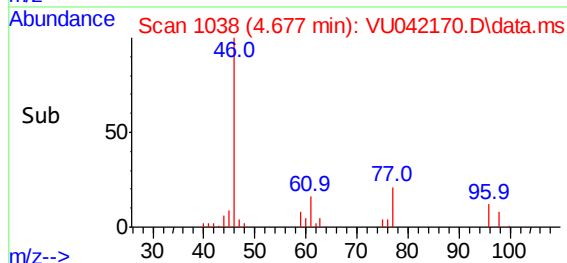
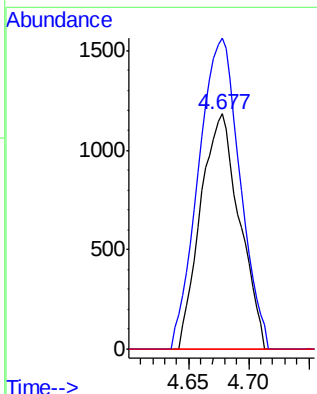
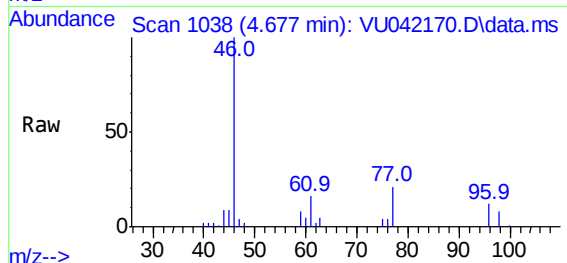


#22
 cis-1,2-Dichloroethene
 Concen: 0.34 ug/L
 RT: 4.677 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VU042170.D
 Acq: 22 Jan 2021 15:21

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E12

Tgt Ion: 96 Resp: 2599

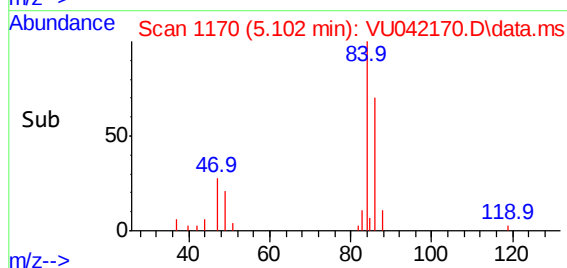
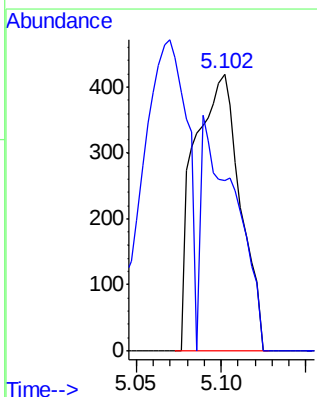
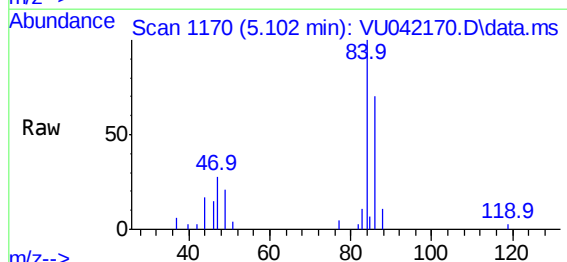
Ion	Ratio	Lower	Upper
96	100		
61	132.3	97.8	181.6
68	0.0	0.0	0.0

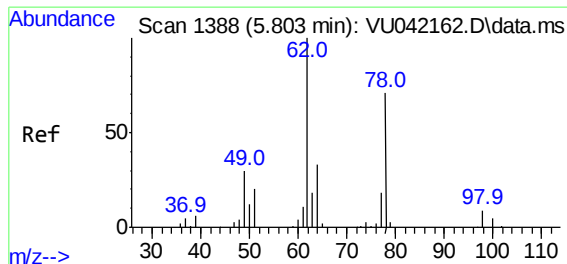


#25
 Chloroform
 Concen: 0.06 ug/L
 RT: 5.102 min Scan# 1170
 Delta R.T. 0.003 min
 Lab File: VU042170.D
 Acq: 22 Jan 2021 15:21

Tgt Ion: 83 Resp: 790

Ion	Ratio	Lower	Upper
83	100		
85	61.4	45.7	84.9

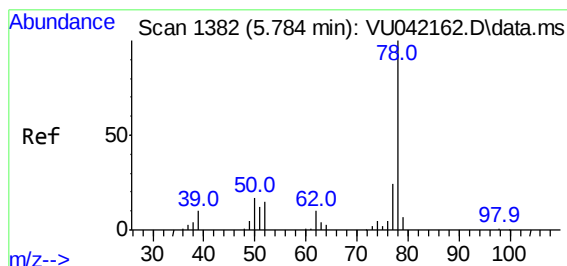
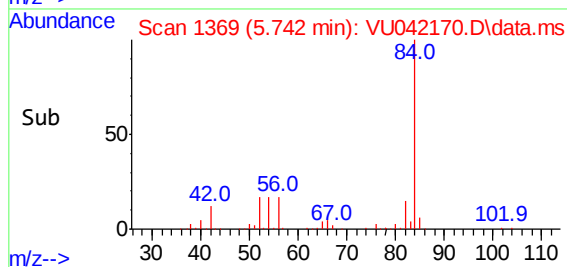
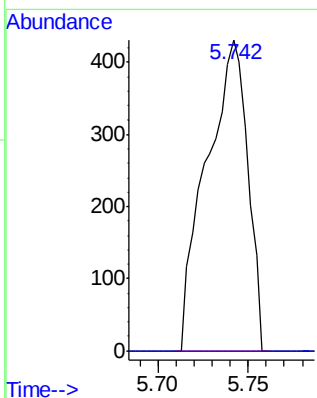
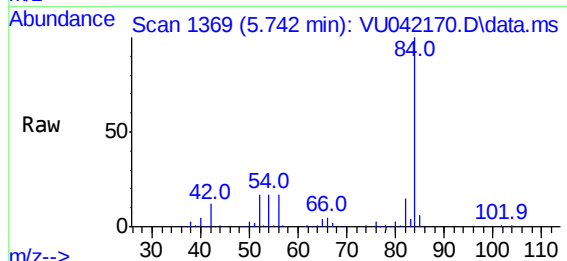




#27
 1,2-Dichloroethane
 Concen: 0.07 ug/L
 RT: 5.742 min Scan# 1369
 Delta R.T. -0.061 min
 Lab File: VU042170.D
 Acq: 22 Jan 2021 15:21

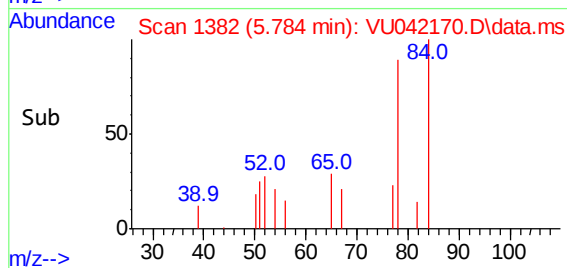
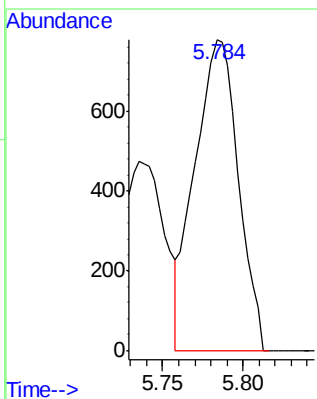
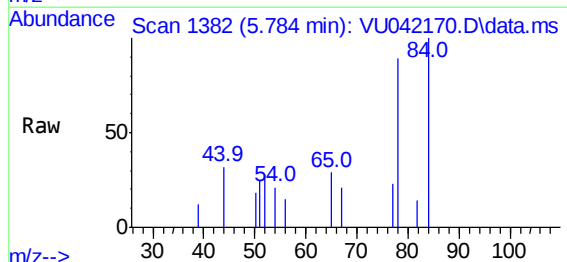
Instrument :
 MSVOA_U
 ClientSampleId :
 F1E12

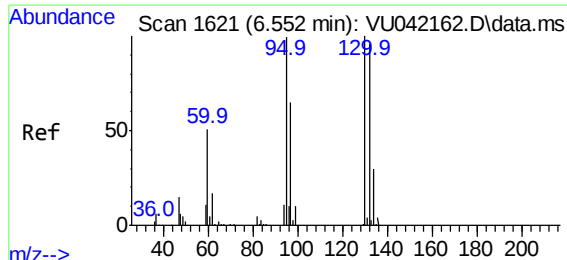
Tgt Ion: 62 Resp: 683
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.3 10.9#



#33
 Benzene
 Concen: 0.05 ug/L
 RT: 5.784 min Scan# 1382
 Delta R.T. -0.000 min
 Lab File: VU042170.D
 Acq: 22 Jan 2021 15:21

Tgt Ion: 78 Resp: 1444





#34

Trichloroethene

Concen: 0.08 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. -0.003 min

Lab File: VU042170.D

Acq: 22 Jan 2021 15:21

Instrument :

MSVOA_U

ClientSampleId :

F1E12

Tgt Ion: 95 Resp: 612

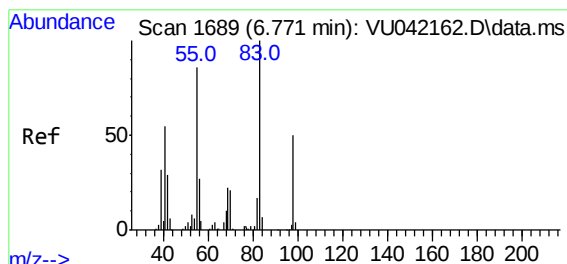
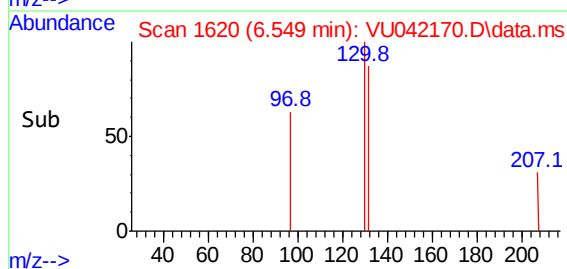
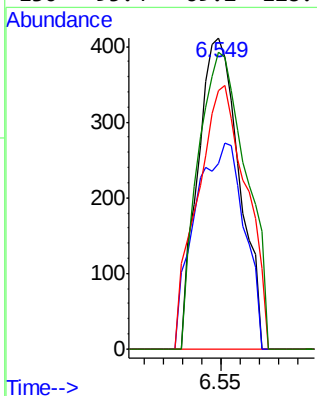
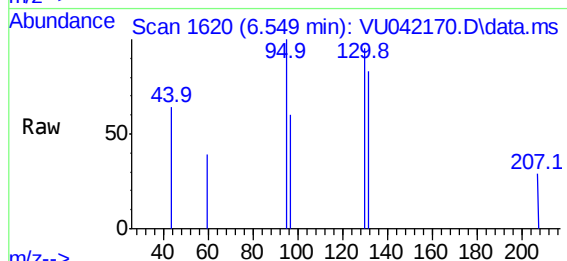
Ion Ratio Lower Upper

95 100

97 59.9 44.4 82.4

132 83.0 68.0 126.4

130 95.4 69.2 128.4



#35

Methylcyclohexane

Concen: 0.72 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.071 min

Lab File: VU042170.D

Acq: 22 Jan 2021 15:21

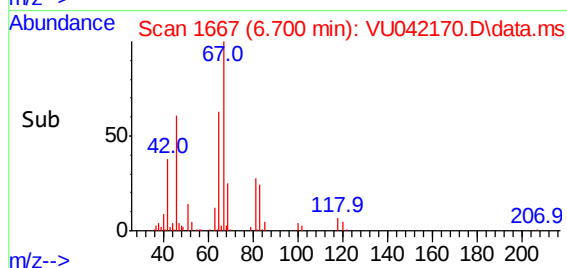
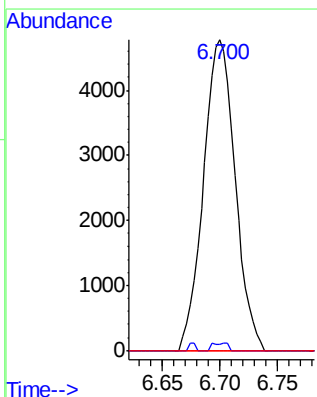
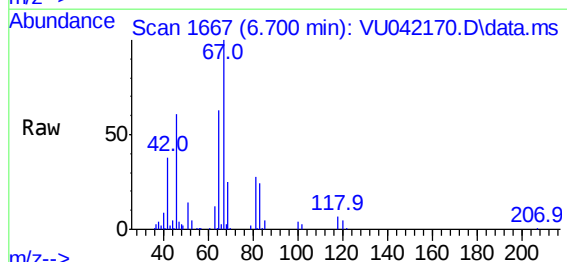
Tgt Ion: 83 Resp: 9067

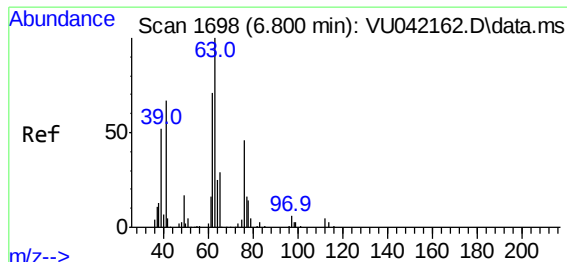
Ion Ratio Lower Upper

83 100

55 1.1 68.2 102.4#

98 0.0 39.7 59.5#

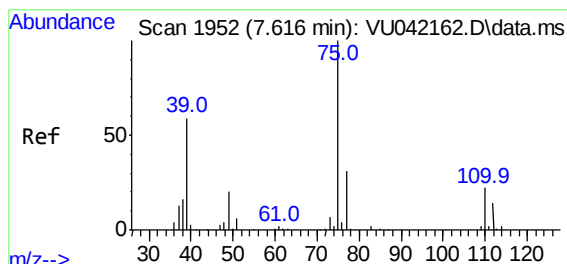
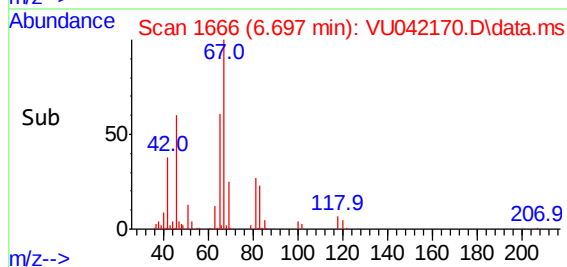
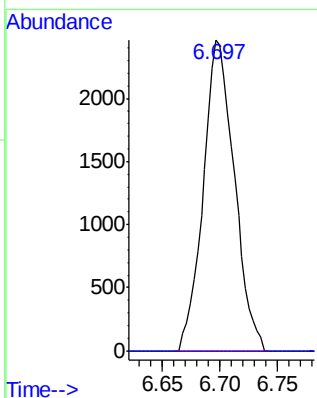
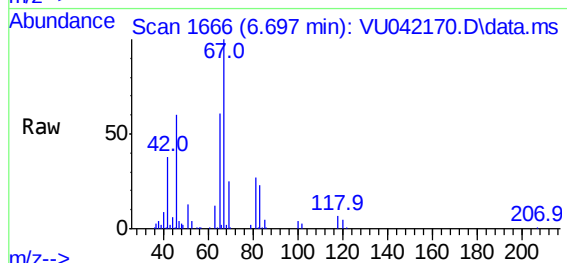




#37
1,2-Dichloropropane
Concen: 0.62 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU042170.D
Acq: 22 Jan 2021 15:21

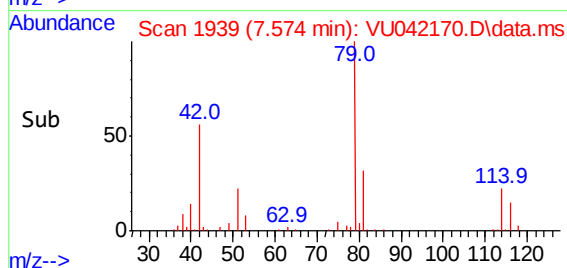
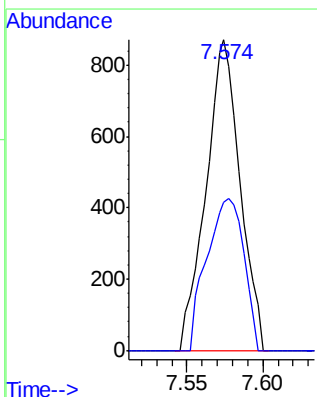
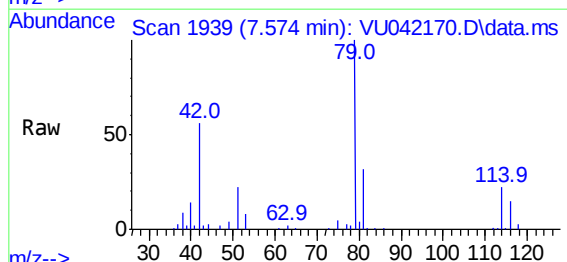
Instrument :
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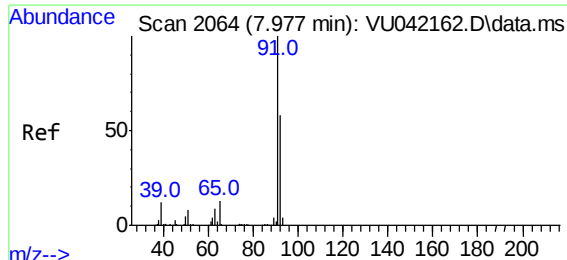
Tgt Ion: 63 Resp: 4583
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042170.D
Acq: 22 Jan 2021 15:21

Tgt Ion: 75 Resp: 1359
Ion Ratio Lower Upper
75 100
77 47.8 22.0 40.8#





#42

Toluene

Concen: 0.14 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. -0.000 min

Lab File: VU042170.D

Acq: 22 Jan 2021 15:21

Tgt Ion: 91 Resp: 4130

Ion Ratio Lower Upper

91 100

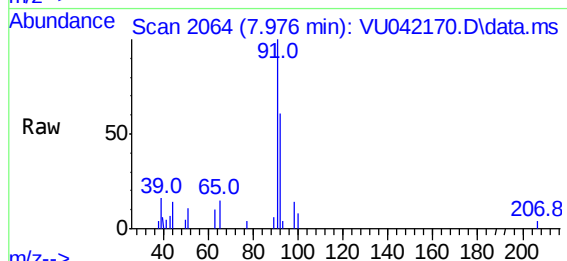
92 60.6 41.2 76.6

Instrument :

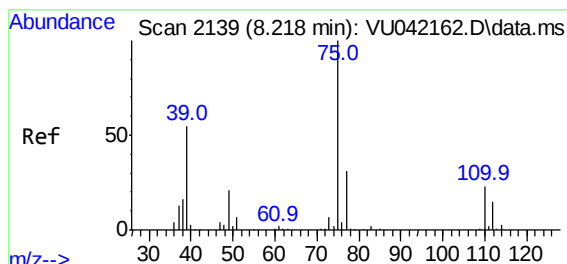
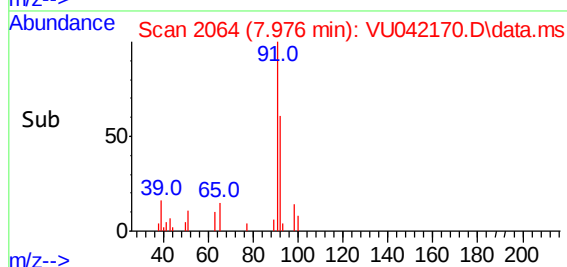
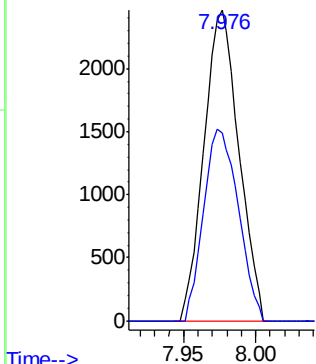
MSVOA_U

ClientSampleId :

F1E12



Abundance



#44

trans-1,3-Dichloropropene

Concen: 0.06 ug/L

RT: 8.185 min Scan# 2129

Delta R.T. -0.032 min

Lab File: VU042170.D

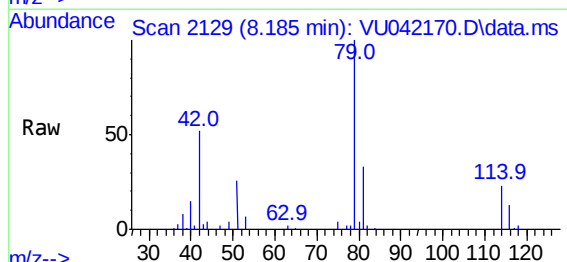
Acq: 22 Jan 2021 15:21

Tgt Ion: 75 Resp: 689

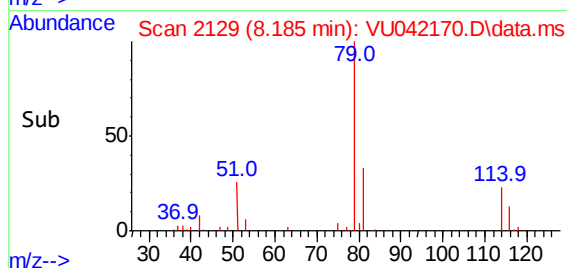
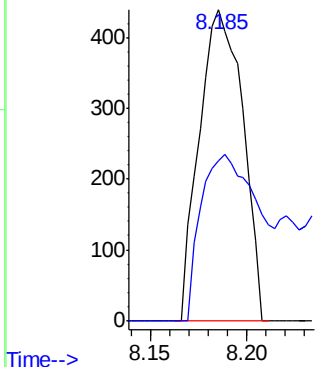
Ion Ratio Lower Upper

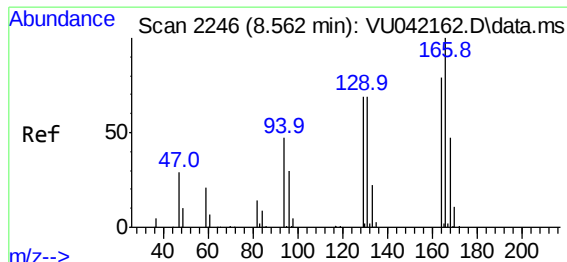
75 100

77 51.5 21.8 40.4#



Abundance





#47

Tetrachloroethene

Concen: 0.20 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. -0.000 min

Lab File: VU042170.D

Acq: 22 Jan 2021 15:21

Tgt Ion:164 Resp: 1252

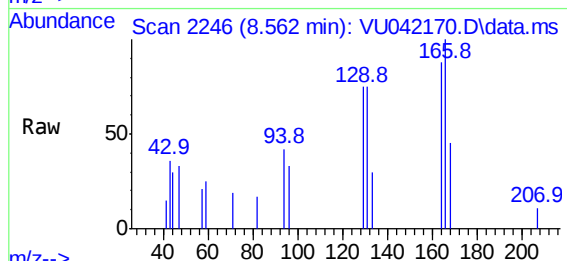
Ion Ratio Lower Upper

164 100

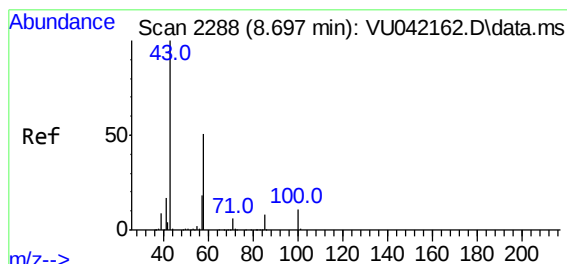
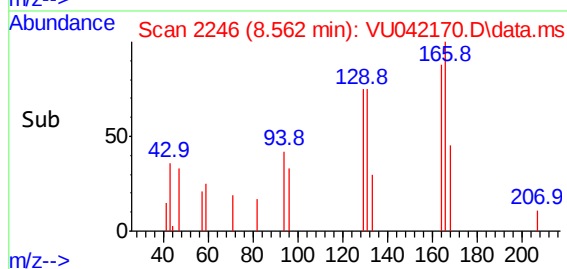
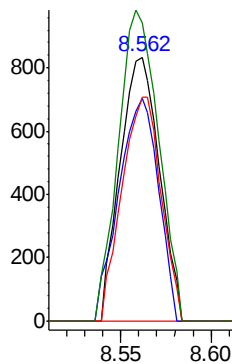
129 84.4 64.3 119.5

131 84.9 62.2 115.6

166 113.2 88.6 164.6



Abundance



#48

2-Hexanone

Concen: 1.41 ug/L

RT: 8.690 min Scan# 2286

Delta R.T. -0.007 min

Lab File: VU042170.D

Acq: 22 Jan 2021 15:21

Tgt Ion: 43 Resp: 6161

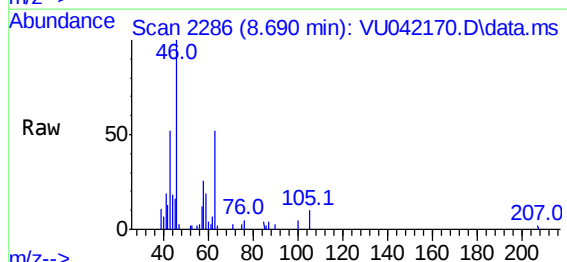
Ion Ratio Lower Upper

43 100

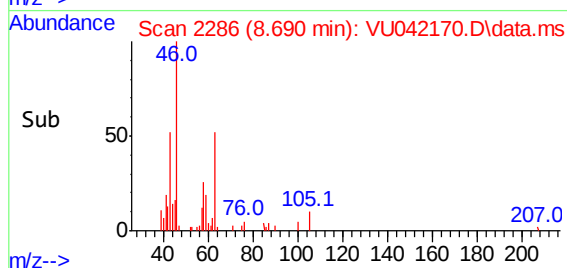
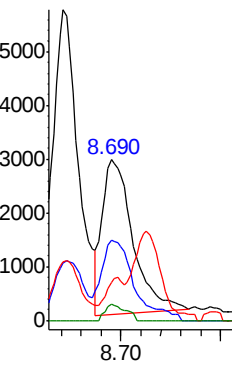
58 55.5 40.6 61.0

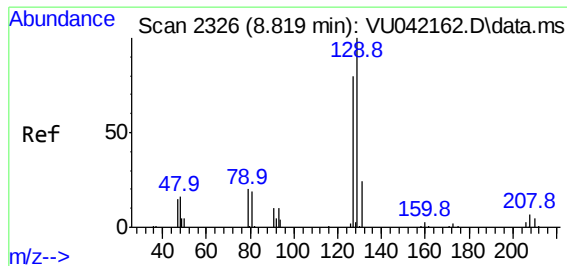
57 16.8 14.9 22.3

100 7.1 8.6 12.8#



Abundance

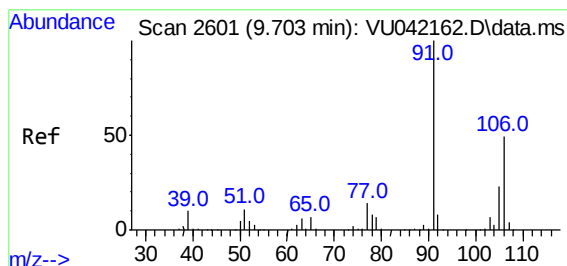
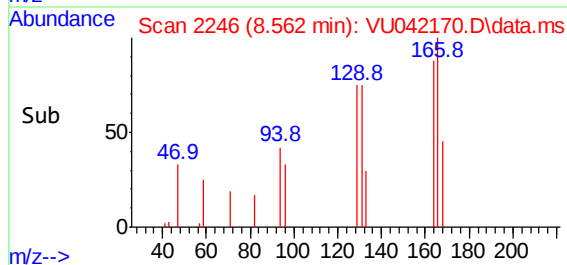
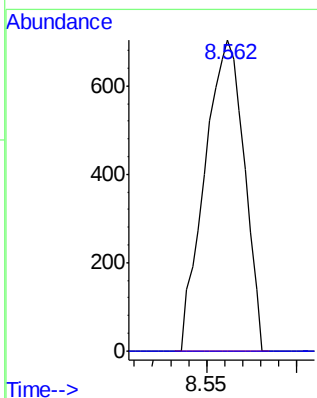
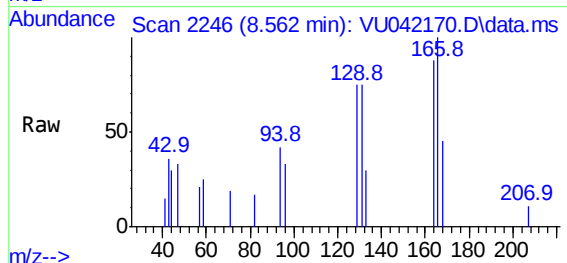




#49
Dibromochloromethane
Concen: 0.15 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042170.D
Acq: 22 Jan 2021 15:21

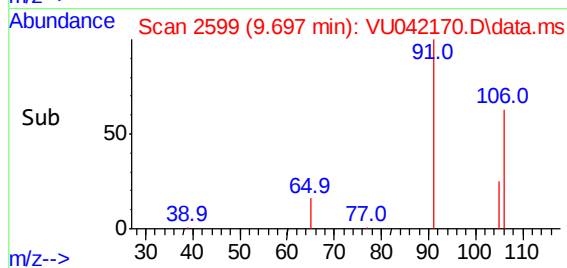
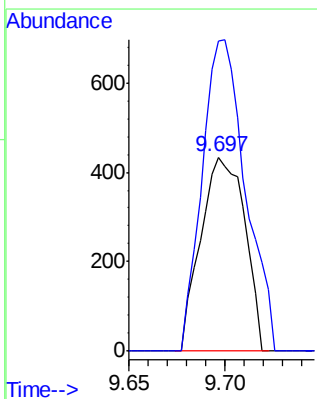
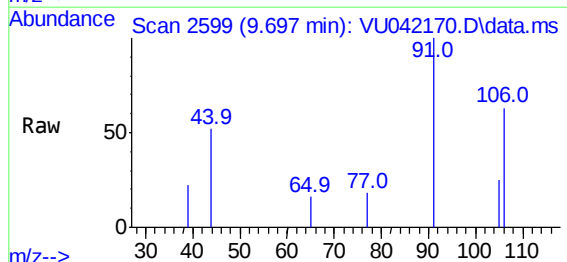
Instrument :
MSVOA_U
ClientSampleId :
F1E12

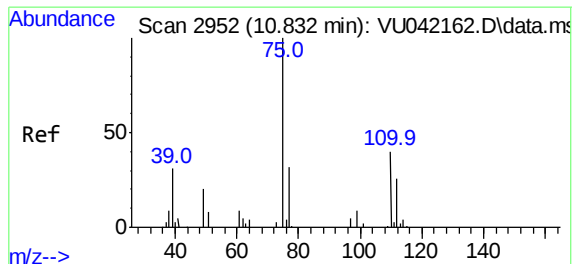
Tgt Ion:129 Resp: 1063
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#53
m,p-Xylene
Concen: 0.05 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.007 min
Lab File: VU042170.D
Acq: 22 Jan 2021 15:21

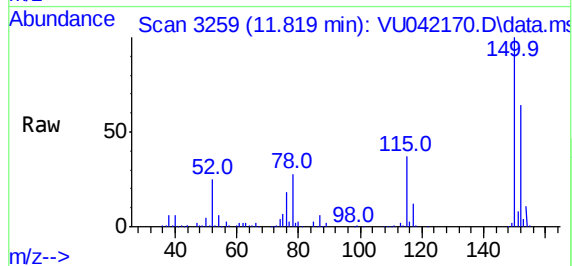
Tgt Ion:106 Resp: 688
Ion Ratio Lower Upper
106 100
91 159.9 145.1 269.5





#59
1,2,3-Trichloropropane
Concen: 1.16 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042170.D
Acq: 22 Jan 2021 15:21

Instrument :
MSVOA_U
ClientSampleId :
F1E12



Tgt Ion: 75 Resp: 5996
Ion Ratio Lower Upper
75 100
77 36.5 26.0 39.0

