

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042119.D
 Acq On : 20 Jan 2021 20:36
 Operator : SY/MD
 Sample : M1180-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E06

Quant Time: Jan 21 04:27:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 21 04:09:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	114996	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	105919	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	55102	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.591	65	31383	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.909	69	26374	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.562	63	49389	3.02	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.40%
20) 2-Butanone-d5	4.697	46	114337	42.24	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.48%
24) Chloroform-d	5.073	84	73071	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.713	65	43466	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.732	84	138553	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.700	67	44453	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.906	98	126170	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloroprop...	8.186	79	21121	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.645	63	96760	49.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.28%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	37048	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.202	152	50794	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%
Target Compounds						
3) Chloromethane	1.514	50	917	0.09	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	389	0.05	ug/L #	18
13) Acetone	2.739	43	1900	1.05	ug/L	72
14) Carbon disulfide	2.787	76	1630	0.06	ug/L #	75
17) Methyl tert-butyl Ether	3.382	73	3652	0.16	ug/L #	47
22) cis-1,2-Dichloroethene	4.674	96	20283	2.29	ug/L	96
33) Benzene	5.784	78	839	0.03	ug/L	100
35) Methylcyclohexane	6.700	83	10660	0.76	ug/L #	17
37) 1,2-Dichloropropane	6.700	63	5192	0.63	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1307	0.10	ug/L #	59
42) Toluene	7.973	91	2039	0.06	ug/L	100
44) trans-1,3-Dichloropropene	8.189	75	994	0.08	ug/L	84
47) Tetrachloroethene	8.562	164	593	0.08	ug/L	83
48) 2-Hexanone	8.694	43	2688	0.55	ug/L #	1
49) Dibromochloromethane	8.559	129	489	0.06	ug/L #	12
55) Styrene	10.124	104	1104	0.05	ug/L	97
59) 1,2,3-Trichloropropane	11.819	75	6223	1.07	ug/L	90

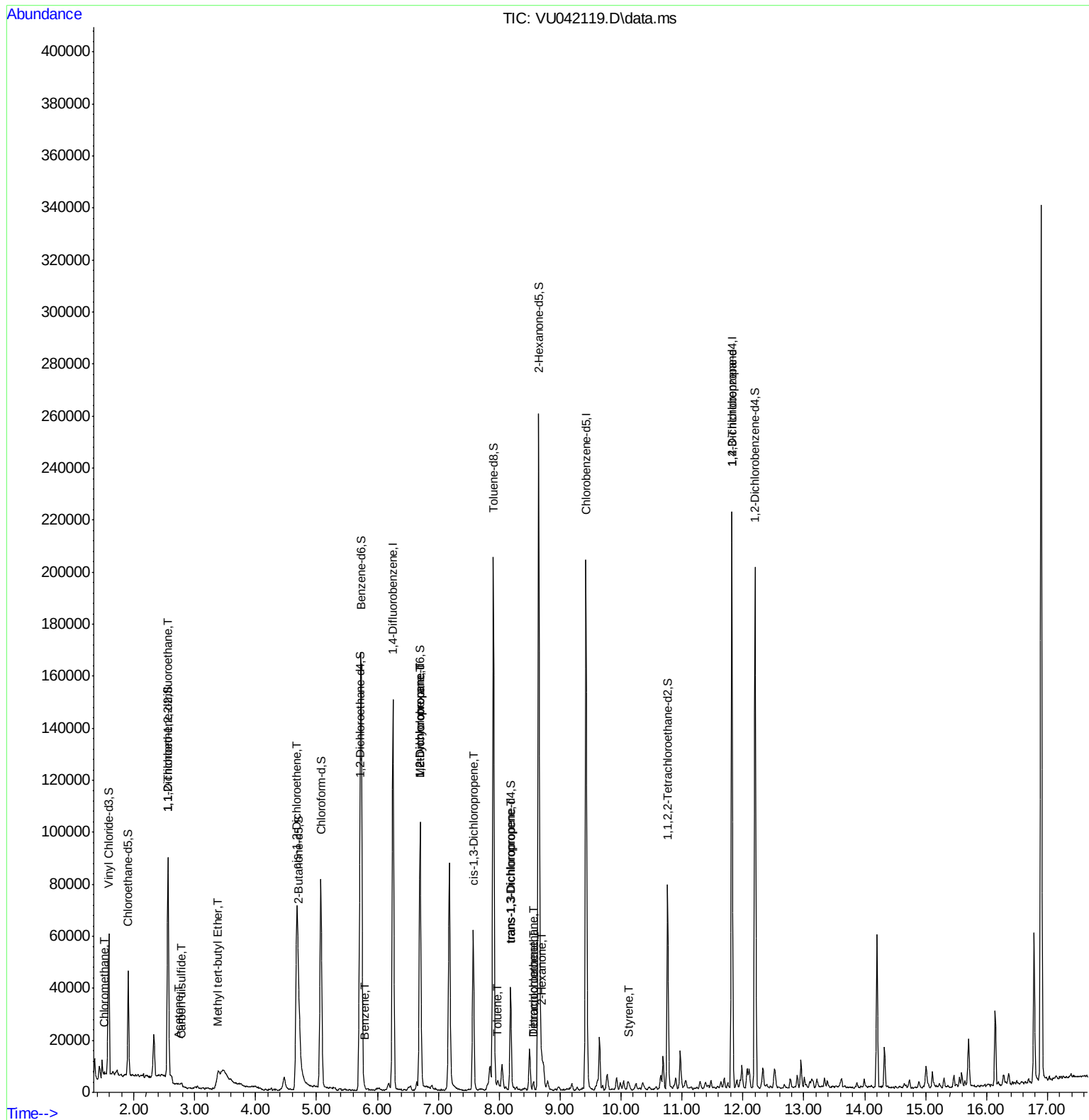
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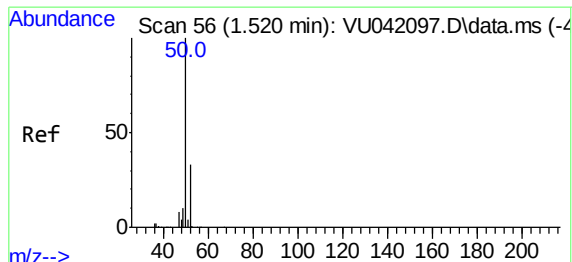
Instrument :
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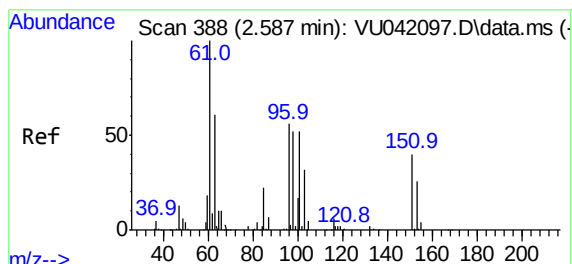
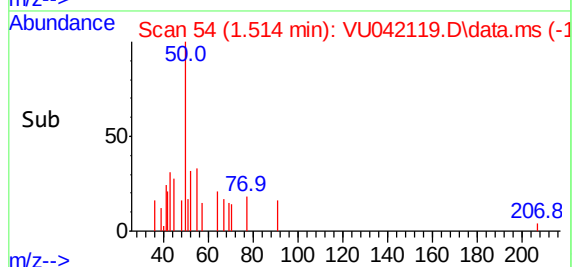
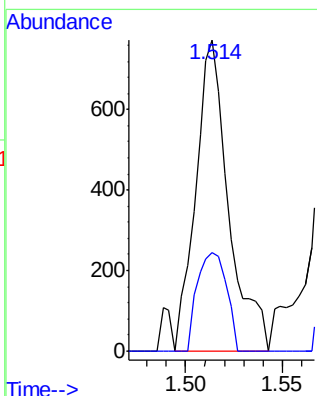
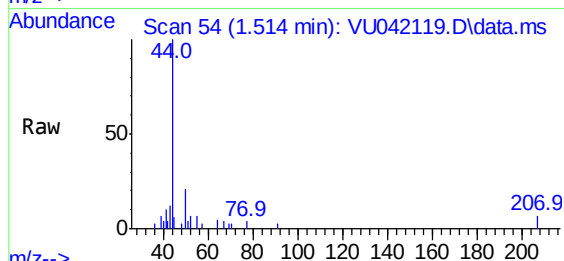




#3
Chloromethane
Concen: 0.09 ug/L
RT: 1.514 min Scan# 54
Delta R.T. -0.006 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

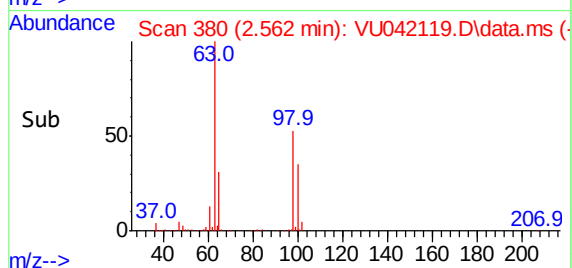
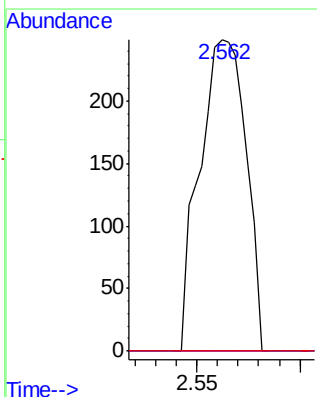
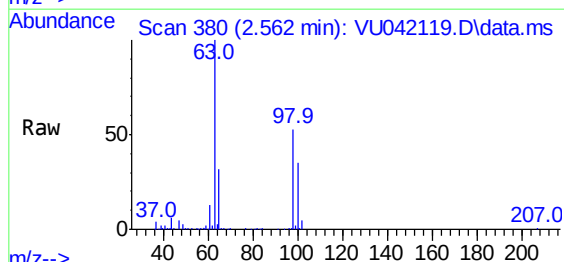
Instrument :
MSVOA_U
ClientSampleId :
F1E06

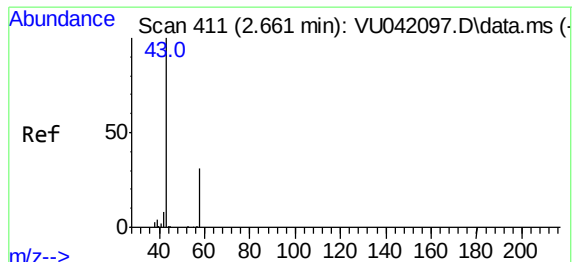
Tgt Ion: 50 Resp: 917
Ion Ratio Lower Upper
50 100
52 31.6 23.0 42.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.05 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.025 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

Tgt Ion: 101 Resp: 389
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#

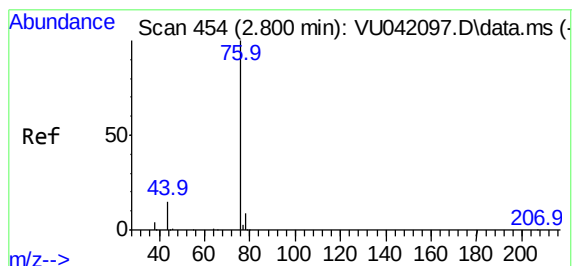
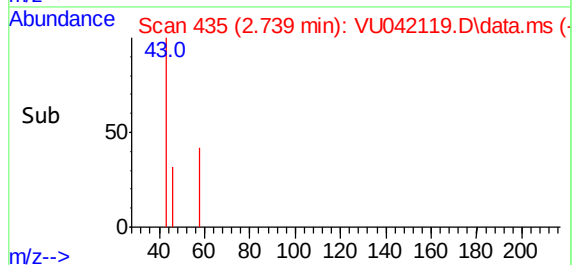
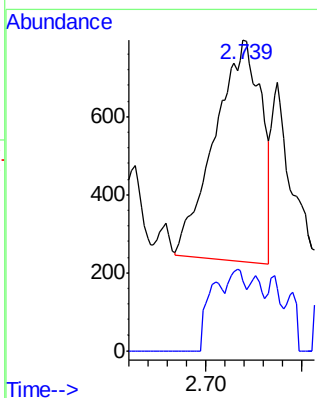
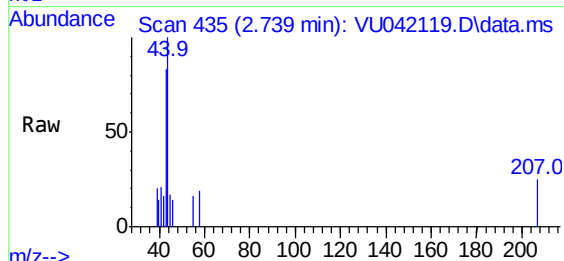




#13
Acetone
Concen: 1.05 ug/L
RT: 2.739 min Scan# 435
Delta R.T. 0.077 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

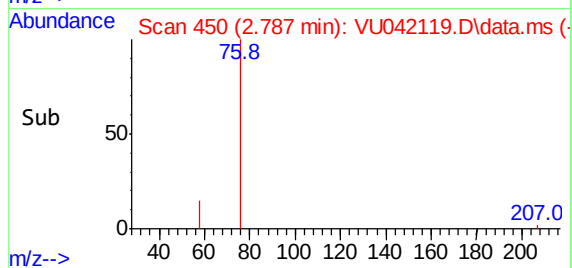
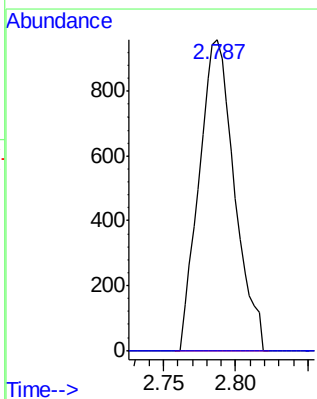
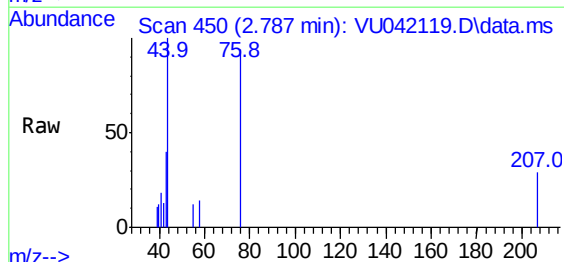
Instrument :
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ClientSampleId :
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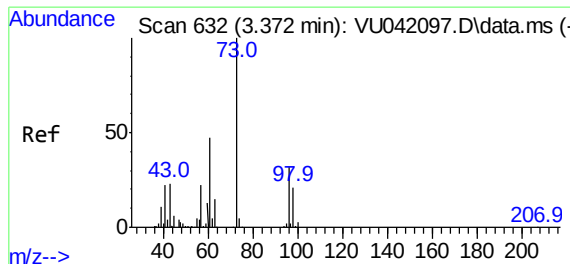
Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
58 13.4 0.0 55.8



#14
Carbon disulfide
Concen: 0.06 ug/L
RT: 2.787 min Scan# 450
Delta R.T. -0.013 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

Tgt Ion: 76 Resp: 1630
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

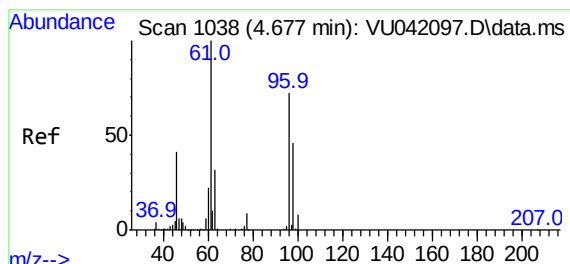
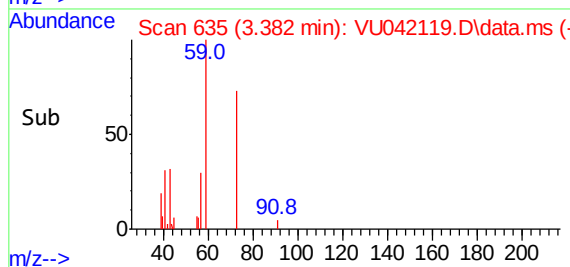
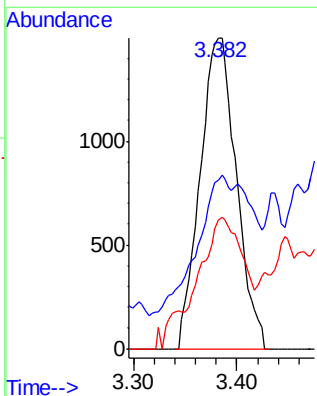
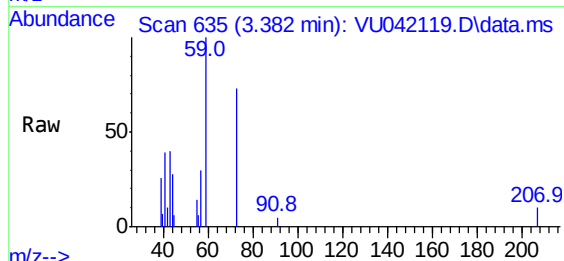




#17
Methyl tert-butyl Ether
Concen: 0.16 ug/L
RT: 3.382 min Scan# 635
Delta R.T. 0.010 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

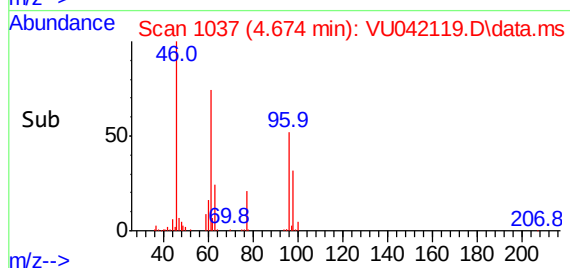
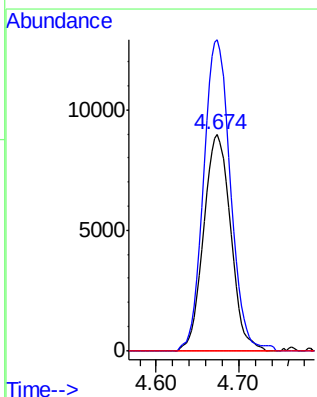
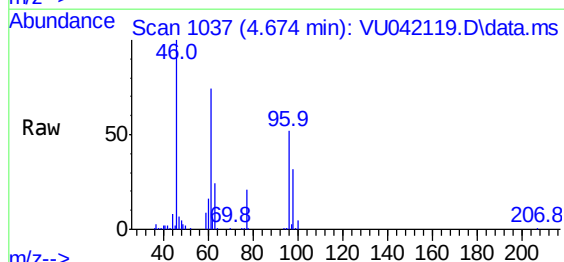
Instrument :
MSVOA_U
ClientSampled :
F1E06

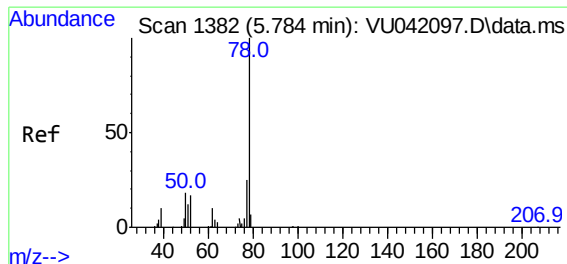
Tgt Ion: 73 Resp: 3652
Ion Ratio Lower Upper
73 100
43 41.8 18.9 28.3#
57 56.4 18.2 27.4#



#22
cis-1,2-Dichloroethene
Concen: 2.29 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

Tgt Ion: 96 Resp: 20283
Ion Ratio Lower Upper
96 100
61 144.2 97.8 181.6
68 0.0 0.0 0.0

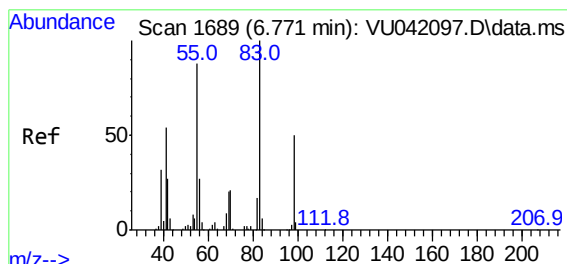
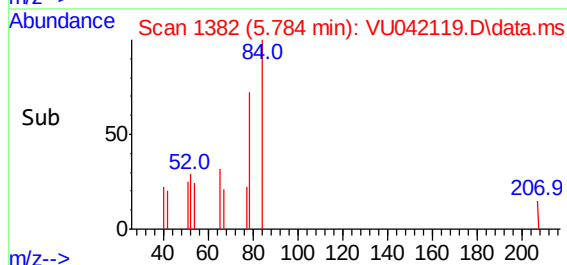
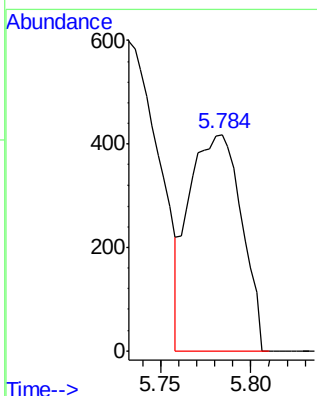
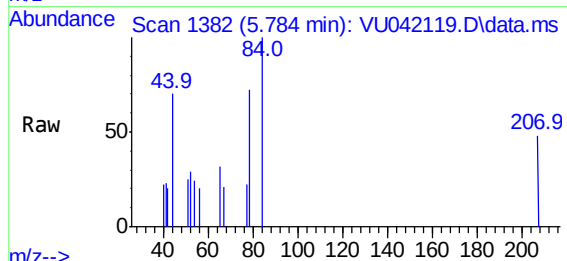




#33
Benzene
Concen: 0.03 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

Instrument :
MSVOA_U
ClientSampleId :
F1E06

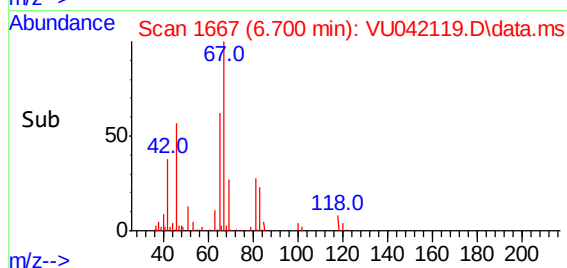
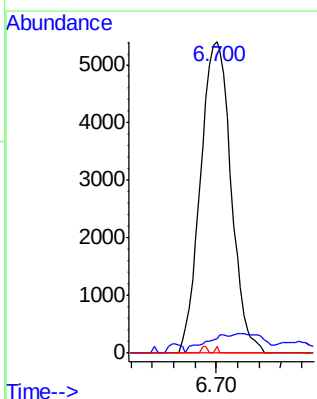
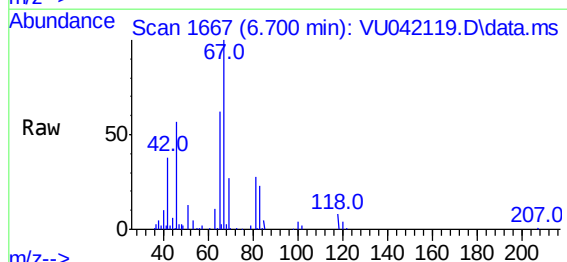
Tgt Ion: 78 Resp: 839

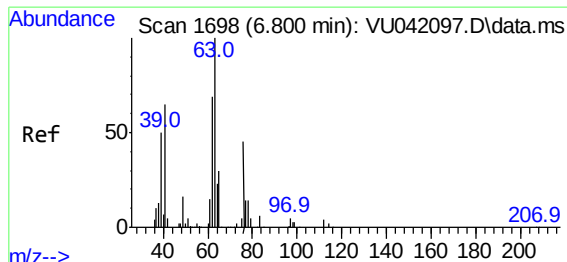


#35
Methylcyclohexane
Concen: 0.76 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.070 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

Tgt Ion: 83 Resp: 10660

Ion	Ratio	Lower	Upper
83	100		
55	4.3	68.2	102.4#
98	0.2	39.7	59.5#

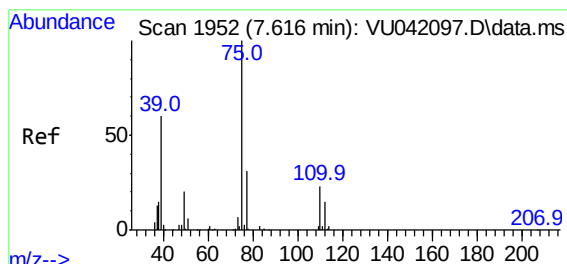
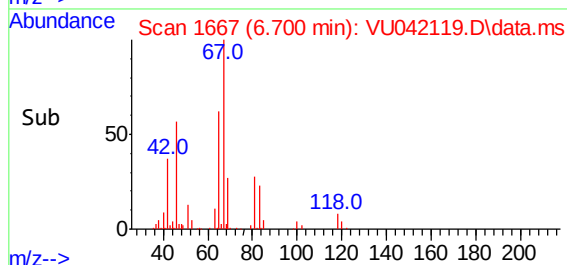
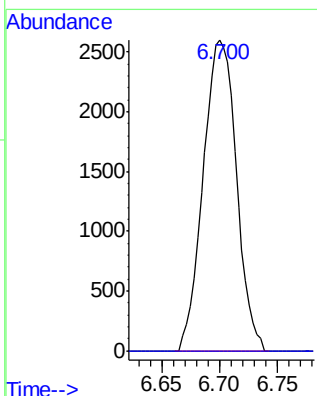
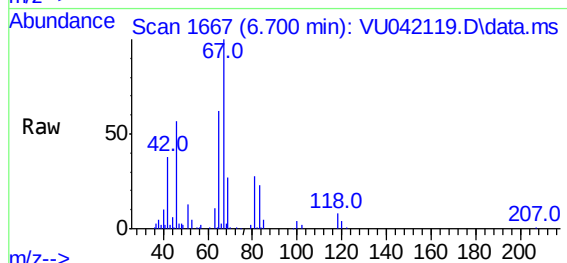




#37
1,2-Dichloropropane
Concen: 0.63 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.099 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

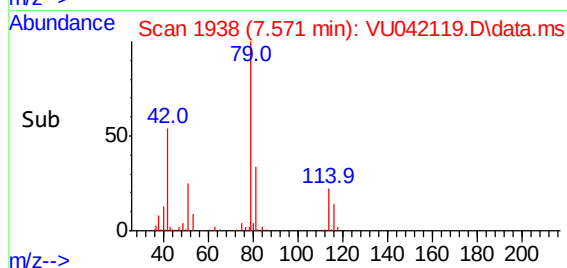
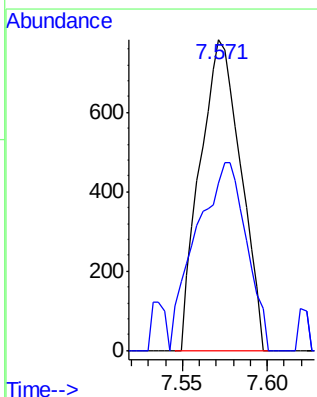
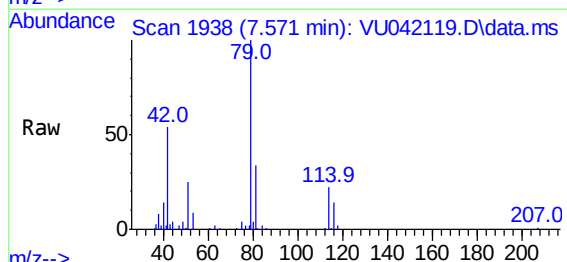
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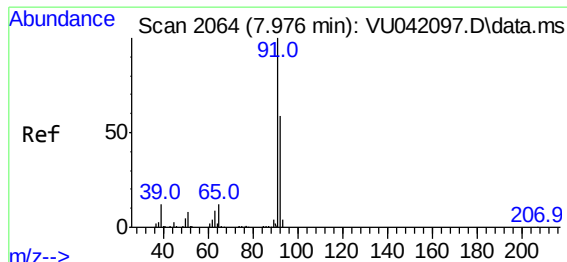
Tgt Ion: 63 Resp: 5192
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

Tgt Ion: 75 Resp: 1307
Ion Ratio Lower Upper
75 100
77 53.9 22.0 40.8#





#42

Toluene

Concen: 0.06 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU042119.D

Acq: 20 Jan 2021 20:36

Tgt Ion: 91 Resp: 2039

Ion Ratio Lower Upper

91 100

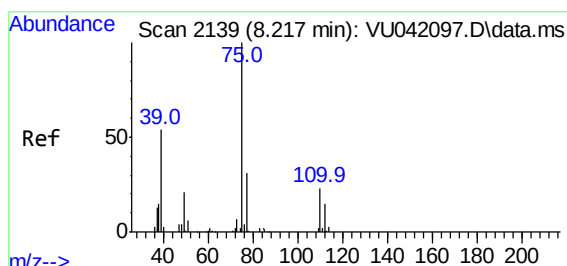
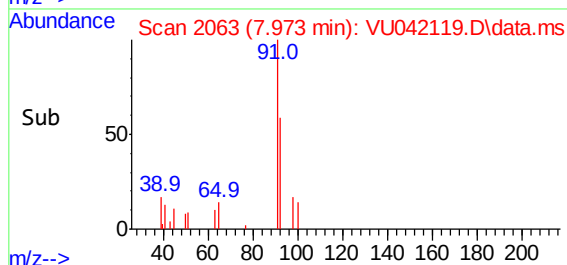
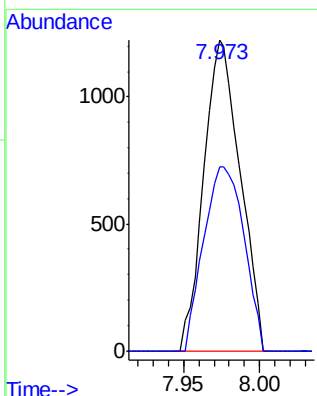
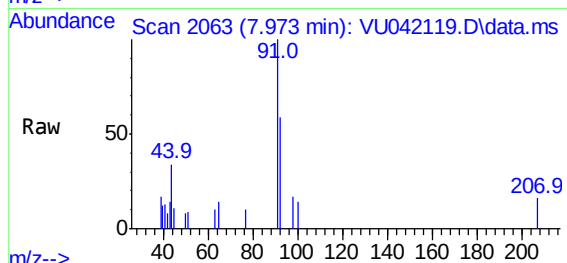
92 59.2 41.2 76.6

Instrument :

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ClientSampleId :

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#44

trans-1,3-Dichloropropene

Concen: 0.08 ug/L

RT: 8.189 min Scan# 2130

Delta R.T. -0.029 min

Lab File: VU042119.D

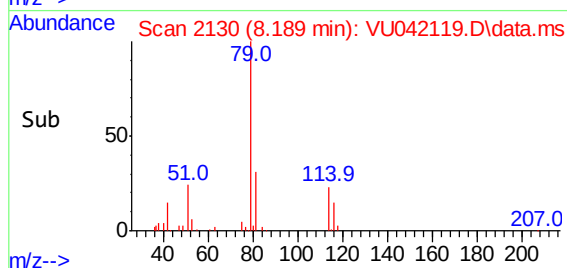
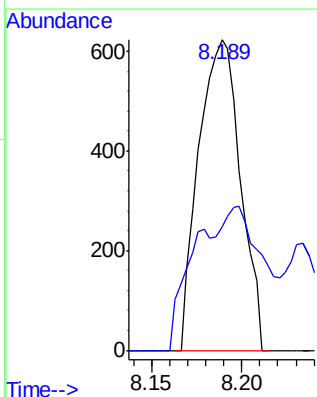
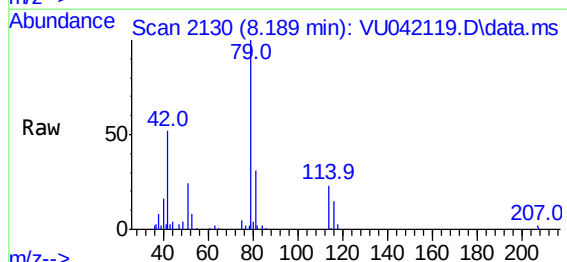
Acq: 20 Jan 2021 20:36

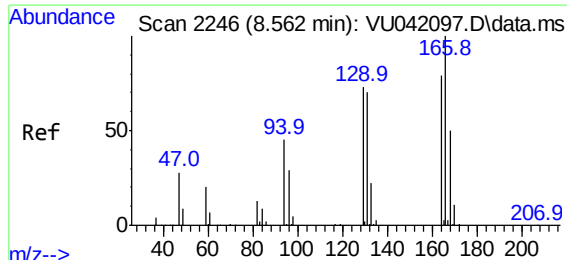
Tgt Ion: 75 Resp: 994

Ion Ratio Lower Upper

75 100

77 40.0 21.8 40.4





#47

Tetrachloroethene

Concen: 0.08 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. 0.000 min

Lab File: VU042119.D

Acq: 20 Jan 2021 20:36

Tgt Ion: 164 Resp: 593

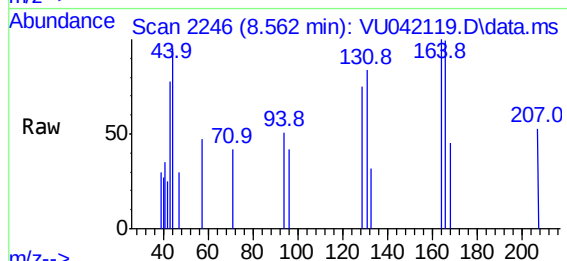
Ion Ratio Lower Upper

164 100

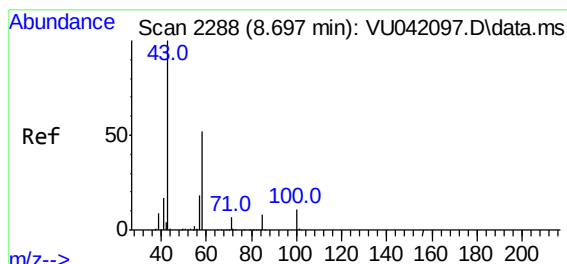
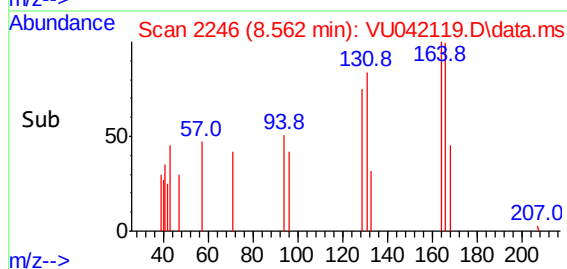
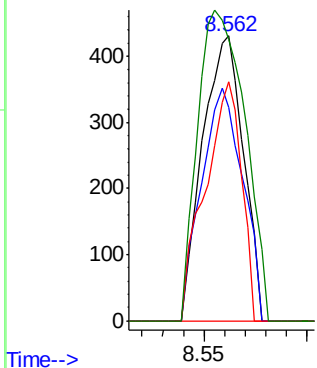
129 74.7 64.3 119.5

131 83.8 62.2 115.6

166 98.8 88.6 164.6



Abundance



#48

2-Hexanone

Concen: 0.55 ug/L

RT: 8.694 min Scan# 2287

Delta R.T. -0.003 min

Lab File: VU042119.D

Acq: 20 Jan 2021 20:36

Tgt Ion: 43 Resp: 2688

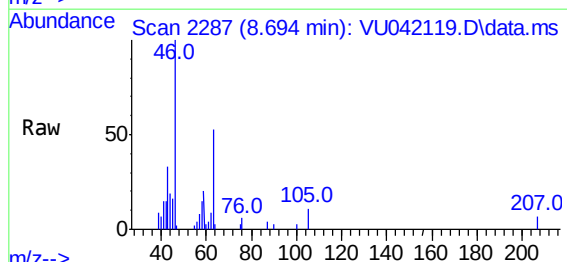
Ion Ratio Lower Upper

43 100

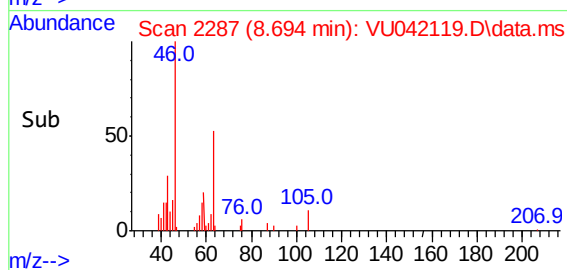
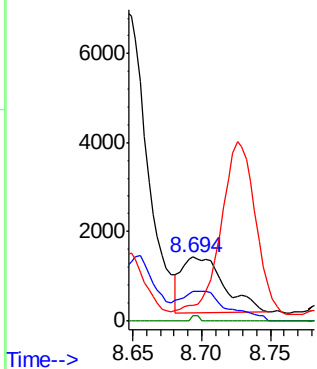
58 58.2 40.6 61.0

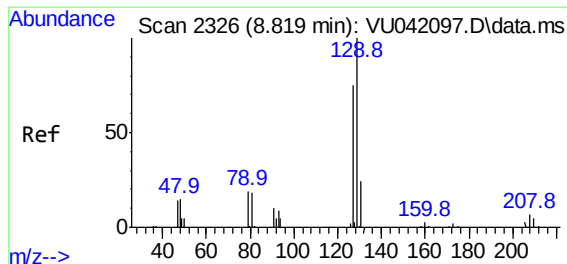
57 278.6 14.9 22.3#

100 1.7 8.6 12.8#



Abundance

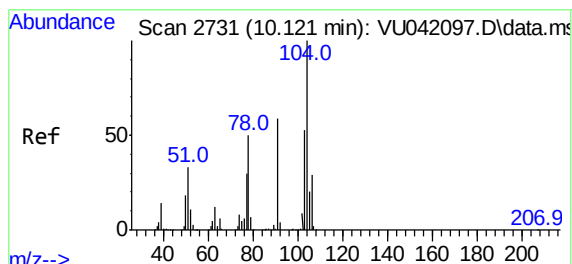
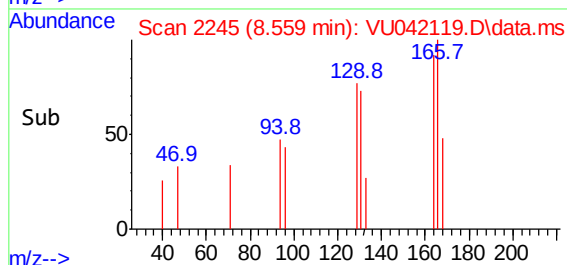
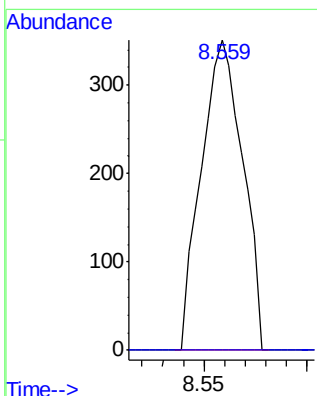
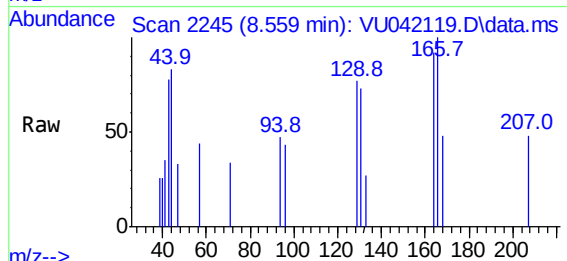




#49
Dibromochloromethane
Concen: 0.06 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.260 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

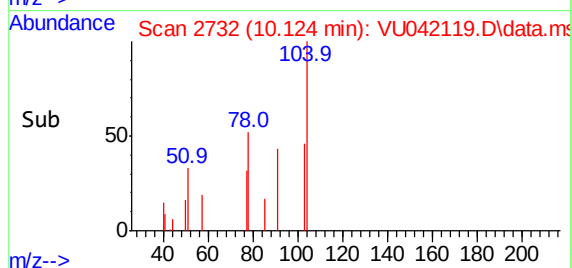
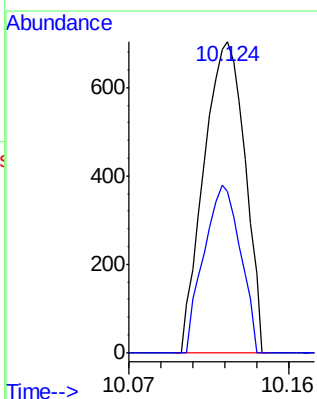
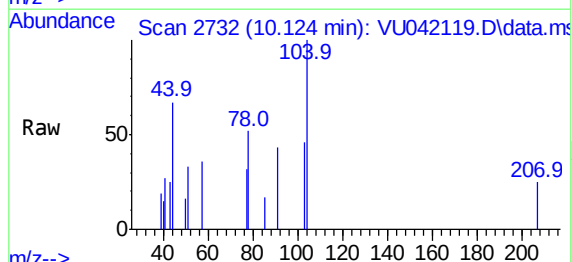
Instrument :
MSVOA_U
ClientSampled :
F1E06

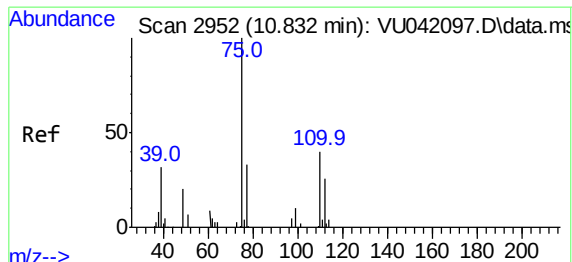
Tgt Ion:129 Resp: 489
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#55
Styrene
Concen: 0.05 ug/L
RT: 10.124 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VU042119.D
Acq: 20 Jan 2021 20:36

Tgt Ion:104 Resp: 1104
Ion Ratio Lower Upper
104 100
78 51.8 34.9 64.7





#59
 1,2,3-Trichloropropane
 Concen: 1.07 ug/L
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.987 min
 Lab File: VU042119.D
 Acq: 20 Jan 2021 20:36

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E06

Tgt Ion: 75 Resp: 6223
 Ion Ratio Lower Upper
 75 100
 77 38.2 26.0 39.0

