

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042117.D
 Acq On : 20 Jan 2021 19:48
 Operator : SY/MD
 Sample : M1180-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E04

Quant Time: Jan 21 04:26:49 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	117762	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	108897	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	58424	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	35359	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.919	69	29301	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.568	63	49338	2.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.00%#
20) 2-Butanone-d5	4.726	46	99749	35.99	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.98%
24) Chloroform-d	5.073	84	75100	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.713	65	45384	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.735	84	140334	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.700	67	46577	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.906	98	129715	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloroprop...	8.189	79	22086	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.652	63	93410	46.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.30%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	38672	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.201	152	52525	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%
Target Compounds						
3) Chloromethane	1.523	50	752	0.08	ug/L	97
8) Chloroethane	2.083	64	20576	3.74	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	405	0.05	ug/L #	18
12) 1,1-Dichloroethene	2.568	96	672	0.08	ug/L #	1
14) Carbon disulfide	2.790	76	1527	0.06	ug/L #	56
17) Methyl tert-butyl Ether	3.375	73	1834	0.08	ug/L #	1
22) cis-1,2-Dichloroethene	4.668	96	1597	0.18	ug/L	87
27) 1,2-Dichloroethane	5.739	62	963	0.08	ug/L #	75
33) Benzene	5.784	78	1281	0.04	ug/L	100
35) Methylcyclohexane	6.700	83	11251	0.78	ug/L #	16
37) 1,2-Dichloropropane	6.697	63	5612	0.66	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1619	0.12	ug/L #	58
40) 4-Methyl-2-pentanone	7.809	43	3186	0.44	ug/L #	88
42) Toluene	7.973	91	2355	0.07	ug/L	98
44) trans-1,3-Dichloropropene	8.192	75	958	0.08	ug/L #	22
47) Tetrachloroethene	8.559	164	492	0.07	ug/L	85
48) 2-Hexanone	8.700	43	5374	1.07	ug/L #	33
49) Dibromochloromethane	8.559	129	483	0.06	ug/L #	12
55) Styrene	10.121	104	1188	0.05	ug/L	87
59) 1,2,3-Trichloropropane	11.819	75	6430	1.08	ug/L	91

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QLast Update : Thu Jan 21 04:09:50 2021
Response via : Initial Calibration

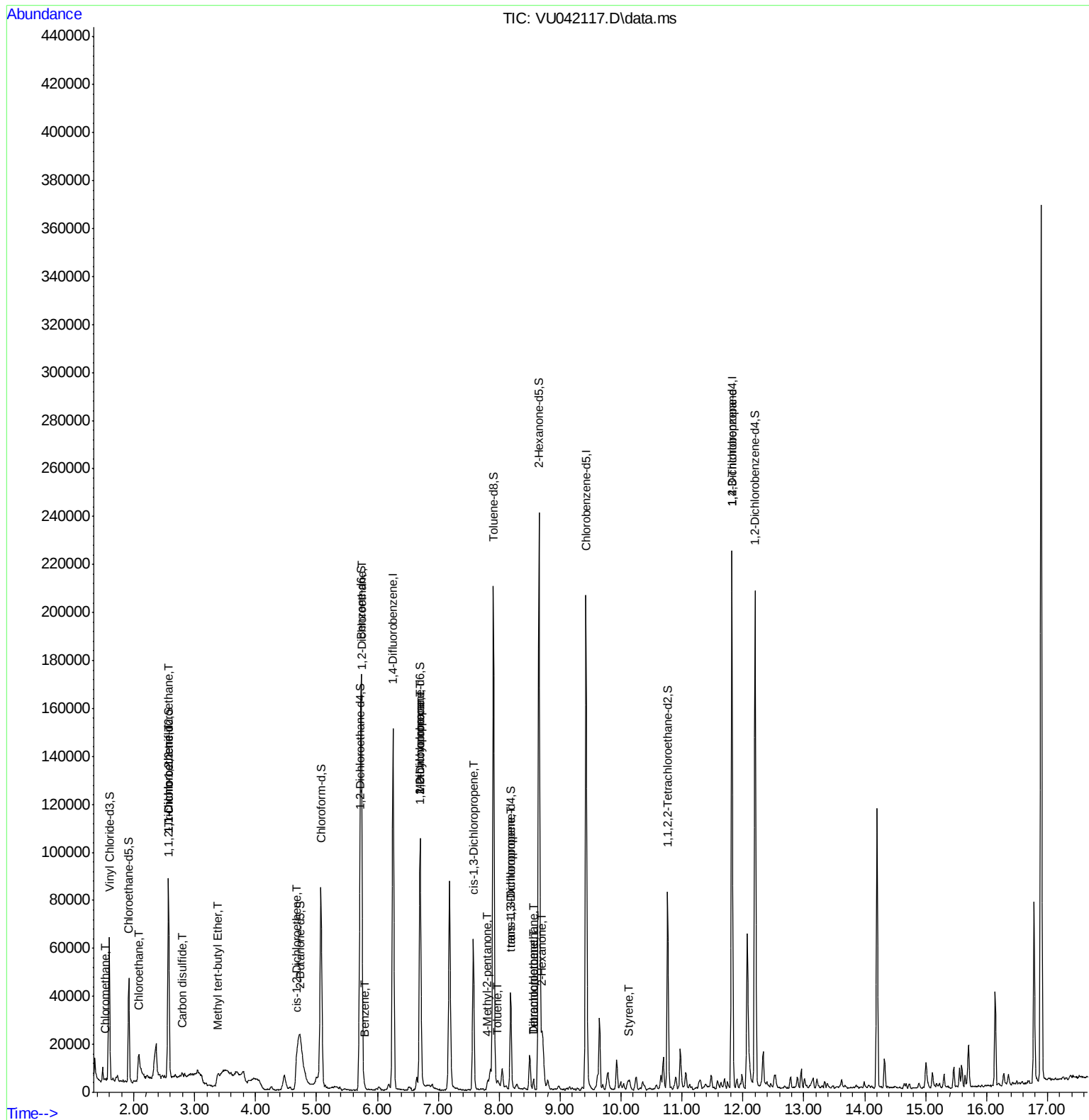
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

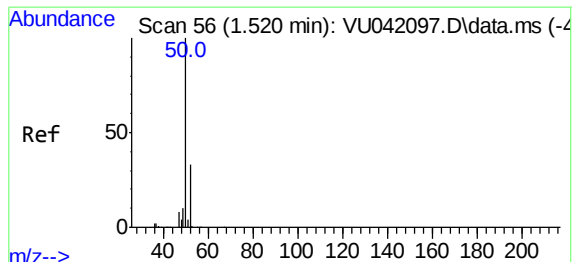
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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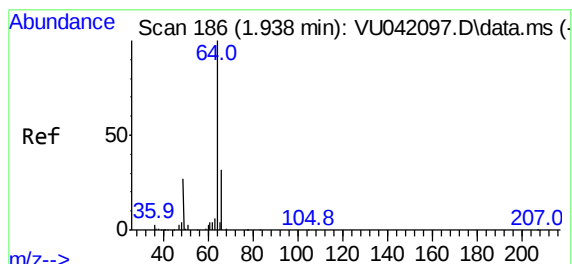
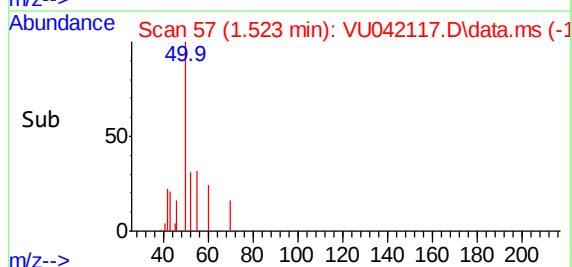
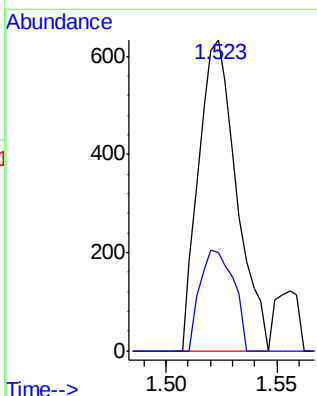
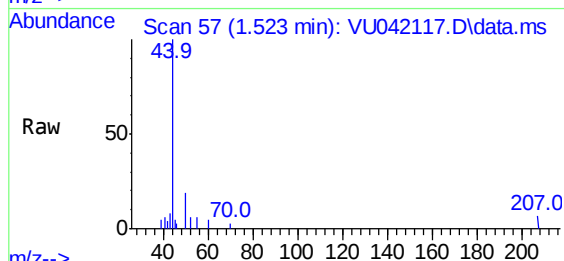




#3
Chloromethane
Concen: 0.08 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

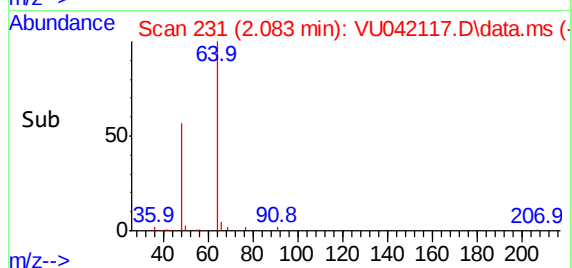
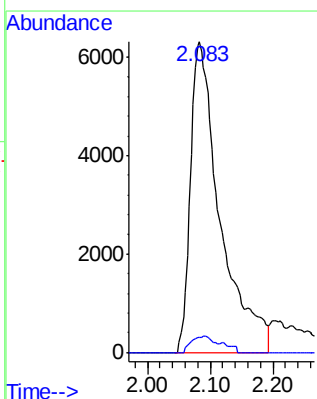
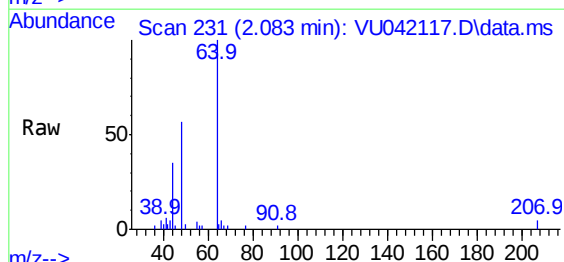
Instrument :
MSVOA_U
ClientSampleId :
F1E04

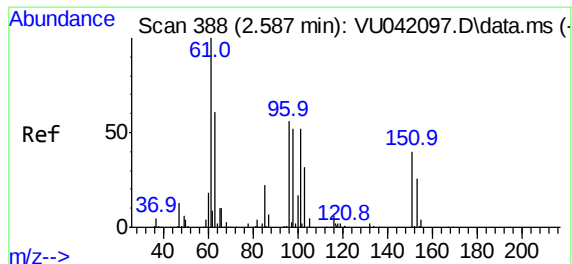
Tgt Ion: 50 Resp: 752
Ion Ratio Lower Upper
50 100
52 31.4 23.0 42.8



#8
Chloroethane
Concen: 3.74 ug/L
RT: 2.083 min Scan# 231
Delta R.T. 0.145 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

Tgt Ion: 64 Resp: 20576
Ion Ratio Lower Upper
64 100
66 4.9 22.2 41.2#

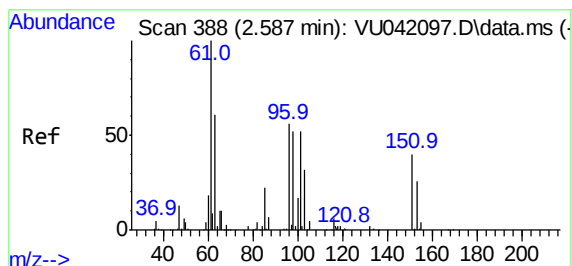
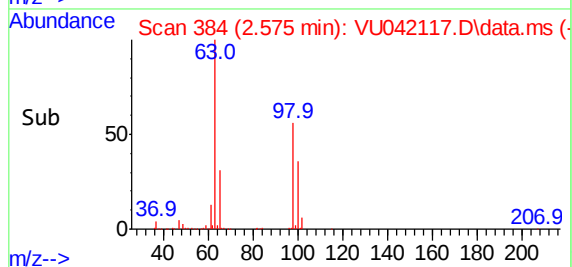
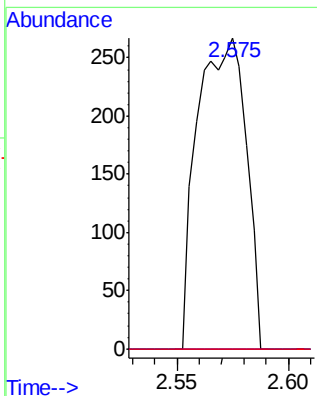
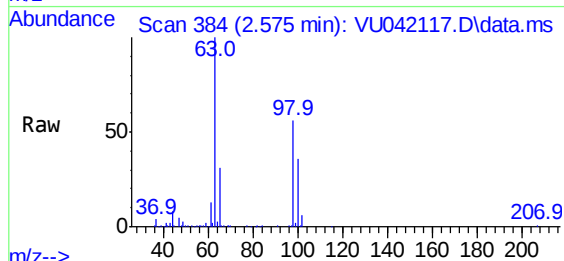




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.05 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU042117.D
 Acq: 20 Jan 2021 19:48

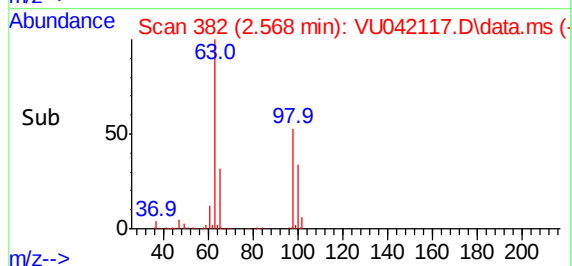
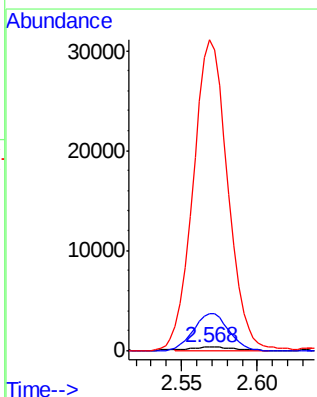
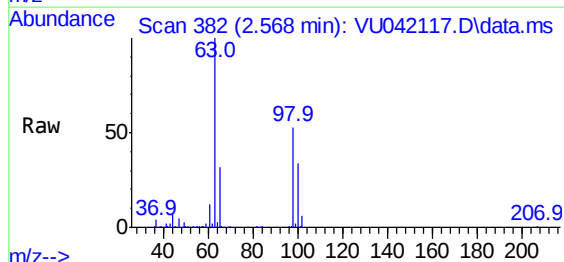
Instrument :
 MSVOA_U
 ClientSampleId :
 F1E04

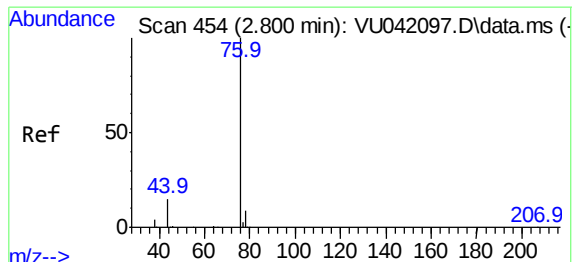
Tgt Ion:101 Resp: 405
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 0.08 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU042117.D
 Acq: 20 Jan 2021 19:48

Tgt Ion: 96 Resp: 672
 Ion Ratio Lower Upper
 96 100
 61 1197.1 126.2 234.4#
 63 9969.2 77.8 144.4#





#14

Carbon disulfide

Concen: 0.06 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.009 min

Lab File: VU042117.D

Acq: 20 Jan 2021 19:48

Tgt Ion: 76 Resp: 1527

Ion Ratio Lower Upper

76 100

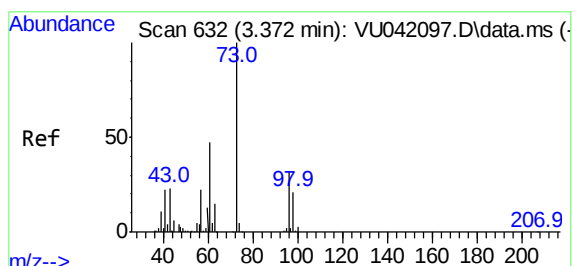
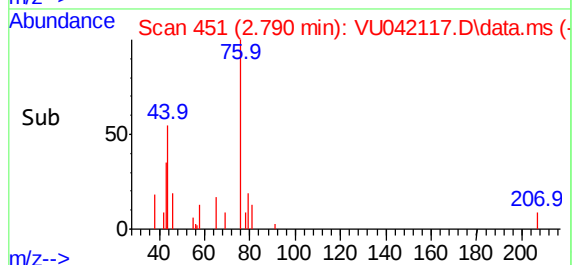
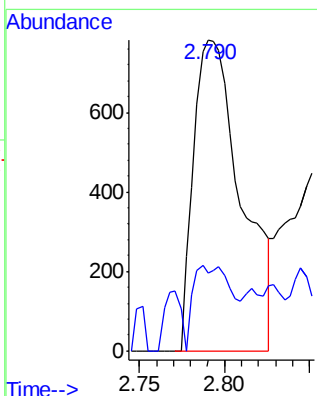
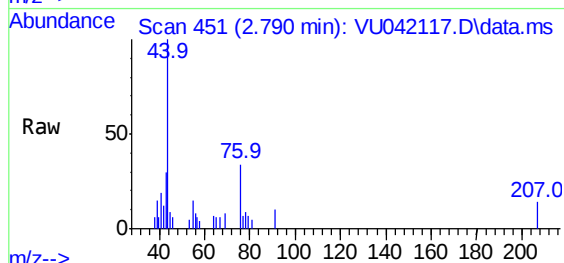
78 25.1 7.3 10.9#

Instrument :

MSVOA_U

ClientSampleId :

F1E04



#17

Methyl tert-butyl Ether

Concen: 0.08 ug/L

RT: 3.375 min Scan# 633

Delta R.T. 0.003 min

Lab File: VU042117.D

Acq: 20 Jan 2021 19:48

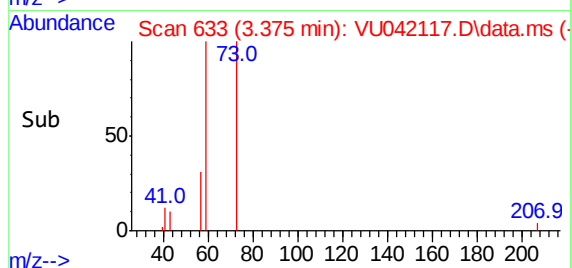
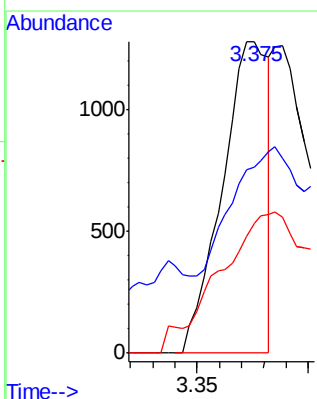
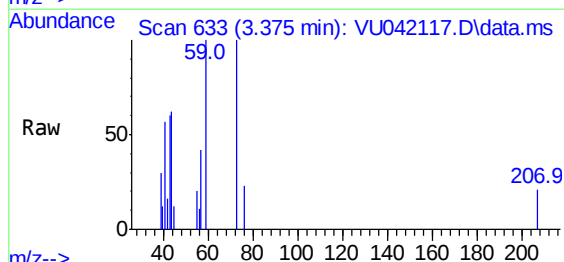
Tgt Ion: 73 Resp: 1834

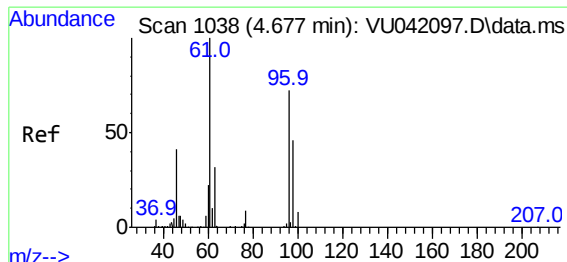
Ion Ratio Lower Upper

73 100

43 72.1 18.9 28.3#

57 109.4 18.2 27.4#



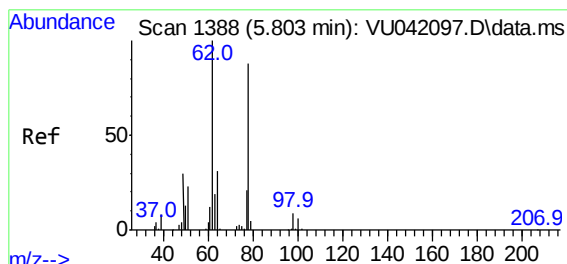
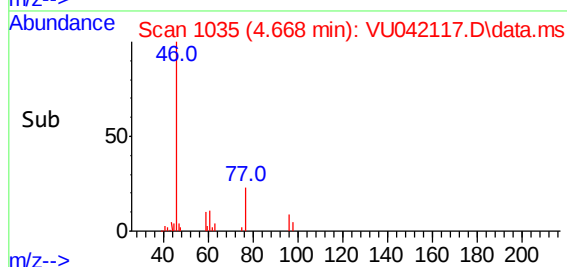
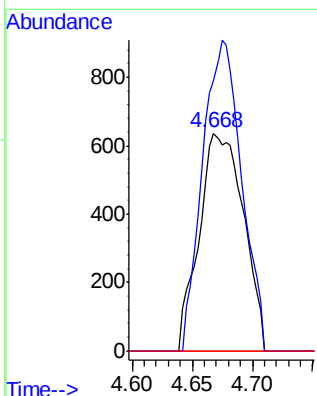
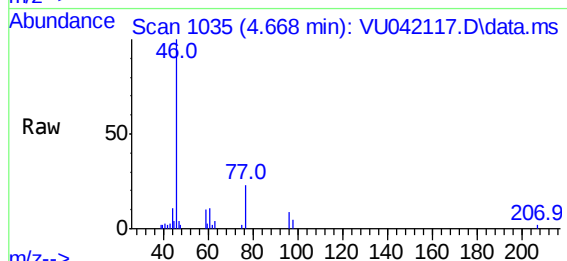


#22
 cis-1,2-Dichloroethene
 Concen: 0.18 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.009 min
 Lab File: VU042117.D
 Acq: 20 Jan 2021 19:48

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E04

Tgt Ion: 96 Resp: 1597

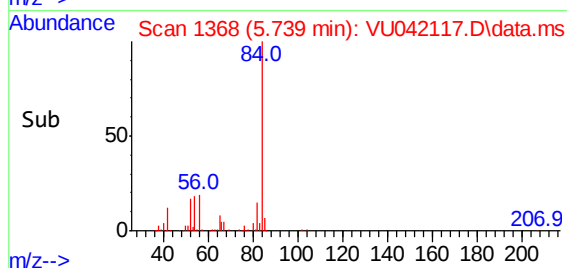
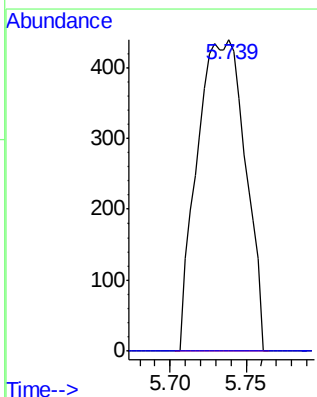
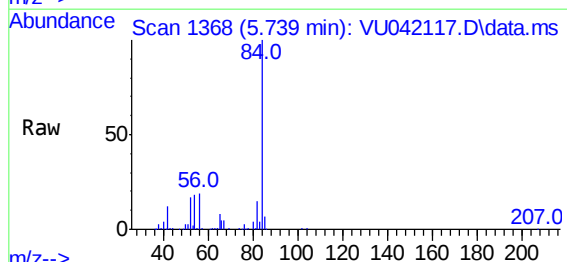
Ion	Ratio	Lower	Upper
96	100		
61	123.9	97.8	181.6
68	0.0	0.0	0.0

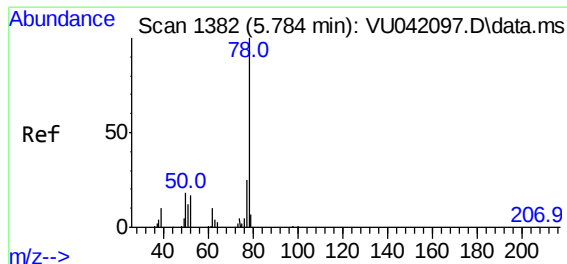


#27
 1,2-Dichloroethane
 Concen: 0.08 ug/L
 RT: 5.739 min Scan# 1368
 Delta R.T. -0.064 min
 Lab File: VU042117.D
 Acq: 20 Jan 2021 19:48

Tgt Ion: 62 Resp: 963

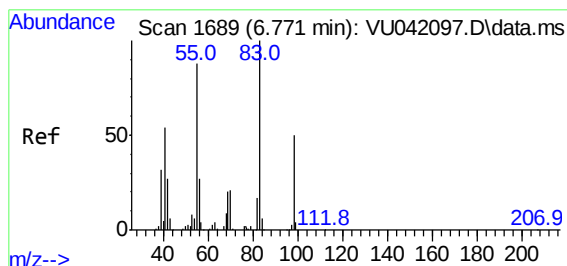
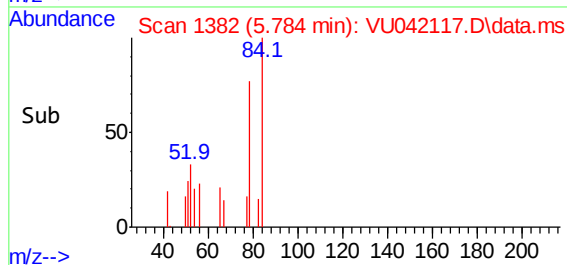
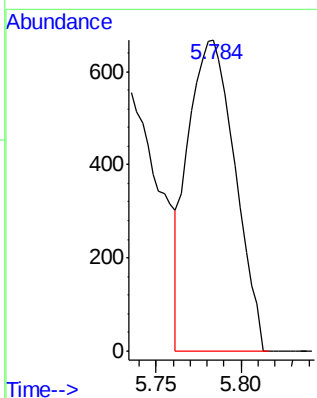
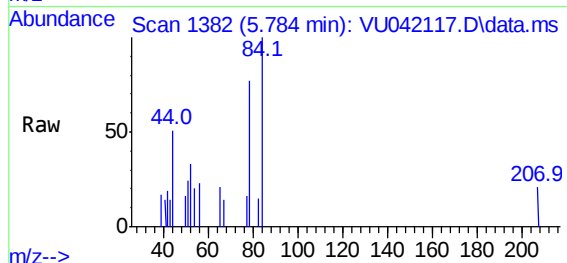
Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.3	10.9#





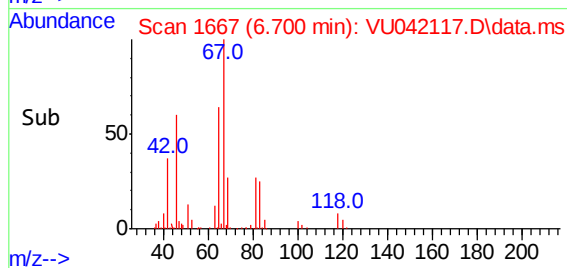
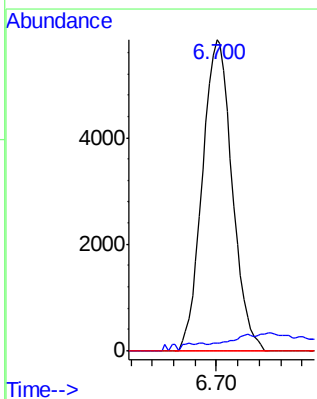
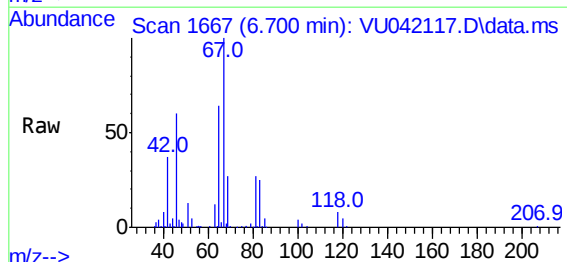
#33
Benzene
Concen: 0.04 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48
Tgt Ion: 78 Resp: 1281

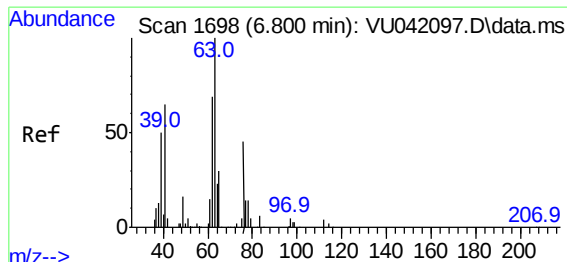
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#35
Methylcyclohexane
Concen: 0.78 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48
Tgt Ion: 83 Resp: 11251

Ion	Ratio	Lower	Upper
83	100		
55	1.7	68.2	102.4#
98	0.0	39.7	59.5#

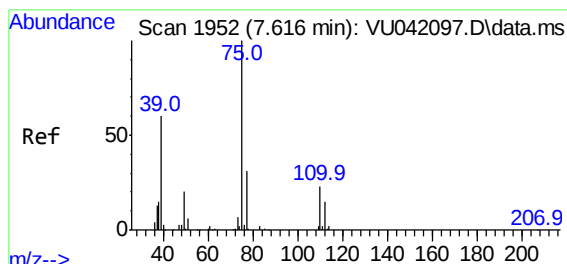
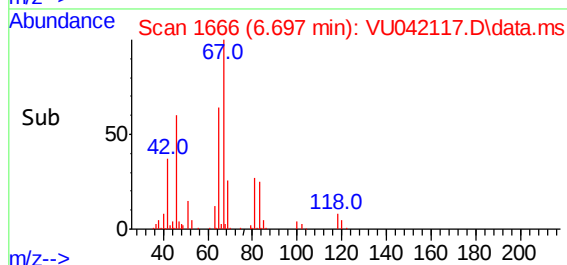
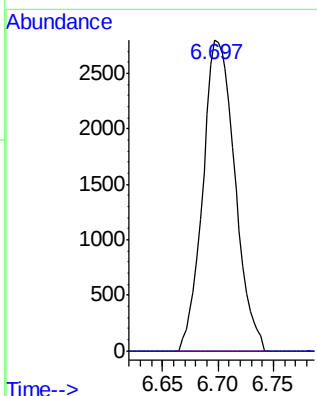
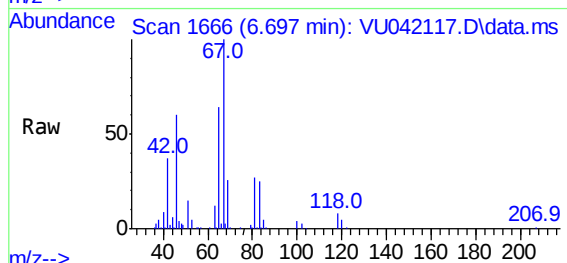




#37
1,2-Dichloropropane
Concen: 0.66 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

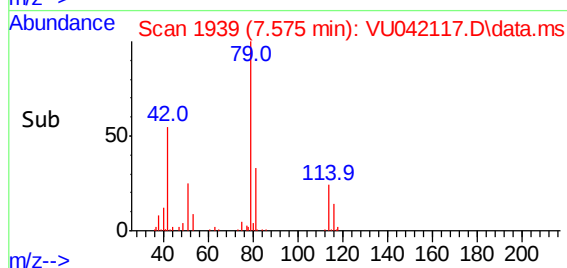
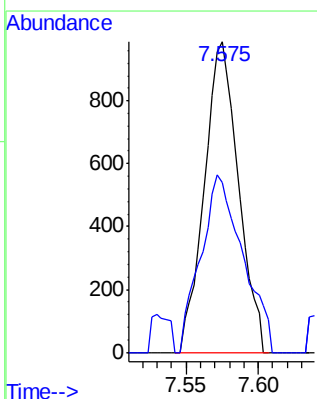
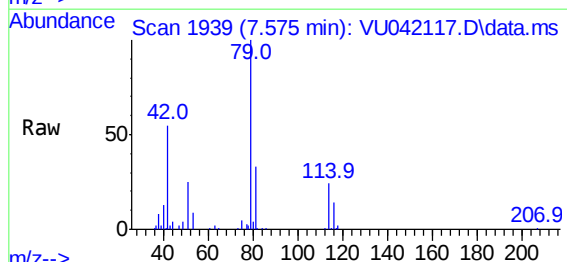
Instrument :
MSVOA_U
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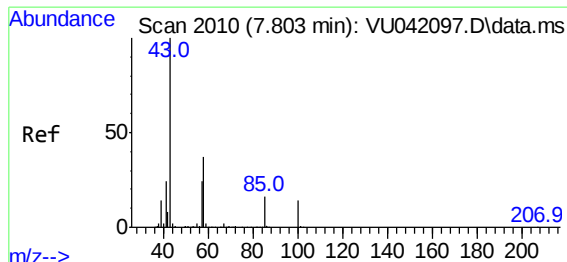
Tgt Ion: 63 Resp: 5612
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.12 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

Tgt Ion: 75 Resp: 1619
Ion Ratio Lower Upper
75 100
77 54.9 22.0 40.8#

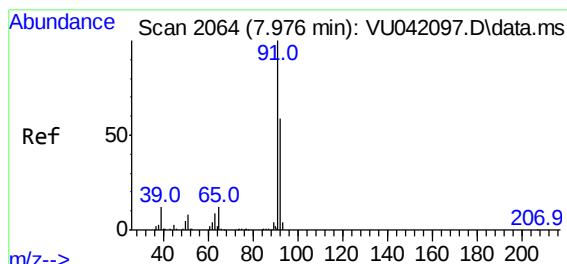
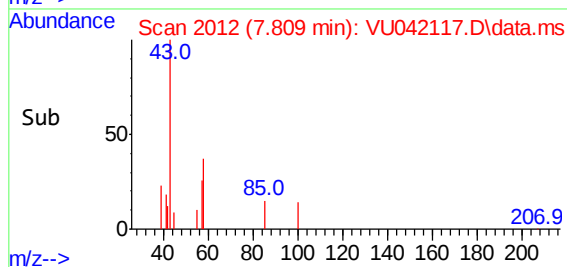
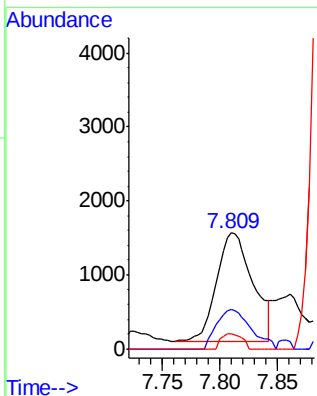
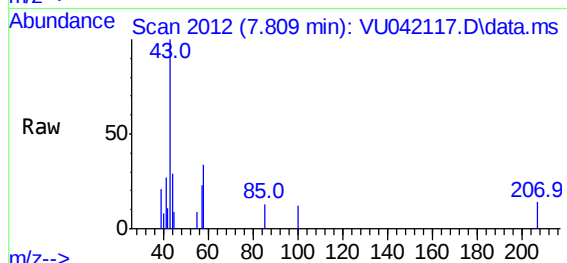




#40
4-Methyl-2-pentanone
Concen: 0.44 ug/L
RT: 7.809 min Scan# 2012
Delta R.T. 0.007 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

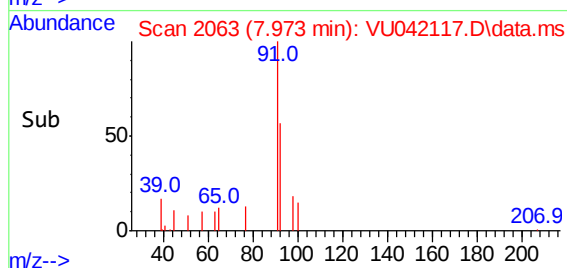
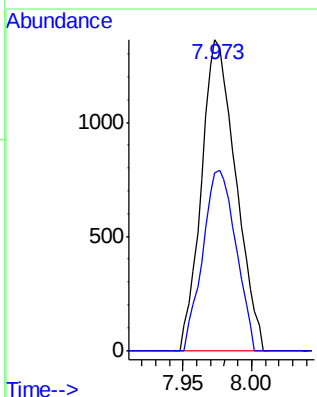
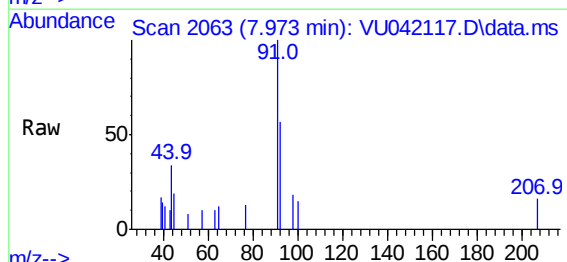
Instrument :
MSVOA_U
ClientSampleId :
F1E04

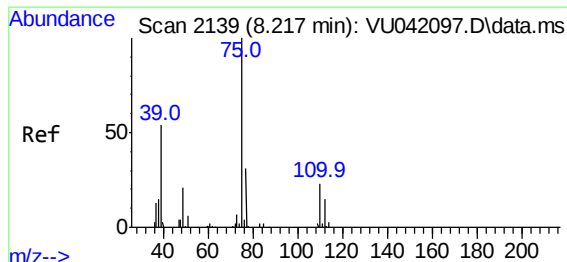
Tgt Ion: 43 Resp: 3186
Ion Ratio Lower Upper
43 100
58 34.1 29.1 43.7
100 0.0 11.0 16.4#



#42
Toluene
Concen: 0.07 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

Tgt Ion: 91 Resp: 2355
Ion Ratio Lower Upper
91 100
92 57.3 41.2 76.6



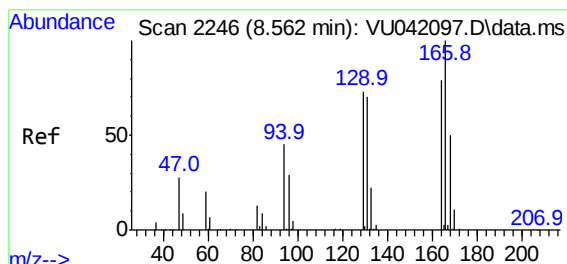
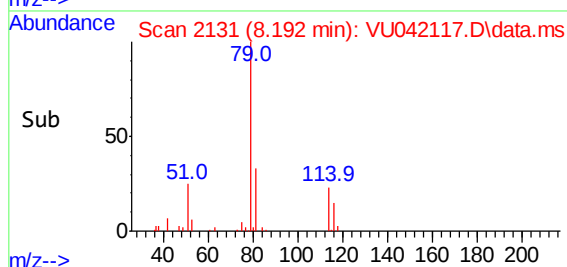
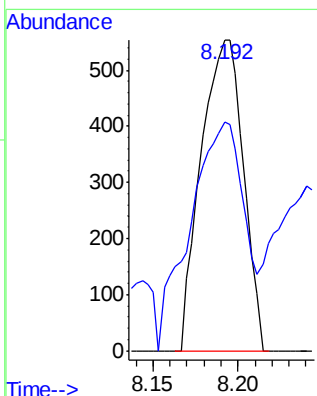
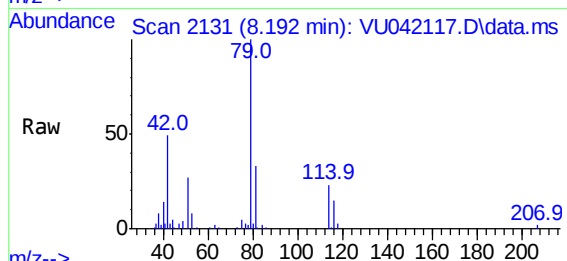


#44

trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.192 min Scan# 2131
Delta R.T. -0.026 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

Instrument :
MSVOA_U
ClientSampleId :
F1E04

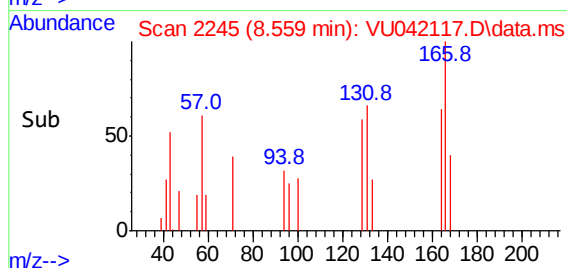
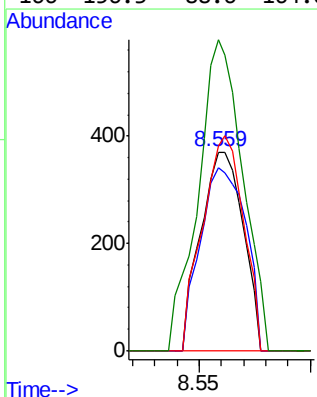
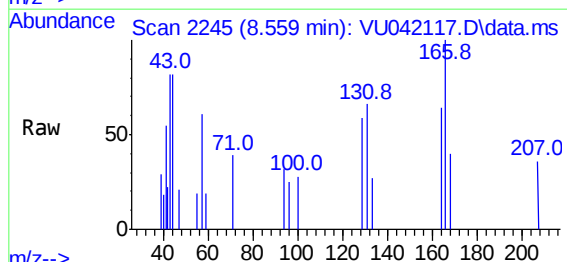
Tgt Ion: 75 Resp: 958
Ion Ratio Lower Upper
75 100
77 73.8 21.8 40.4#

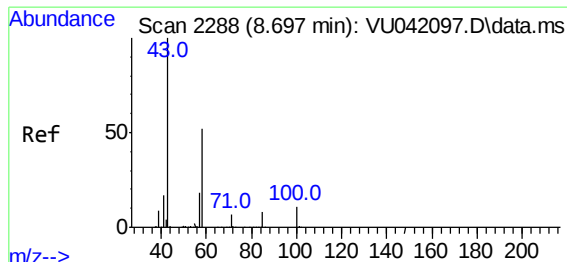


#47

Tetrachloroethene
Concen: 0.07 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.003 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

Tgt Ion: 164 Resp: 492
Ion Ratio Lower Upper
164 100
129 92.2 64.3 119.5
131 103.2 62.2 115.6
166 156.3 88.6 164.6

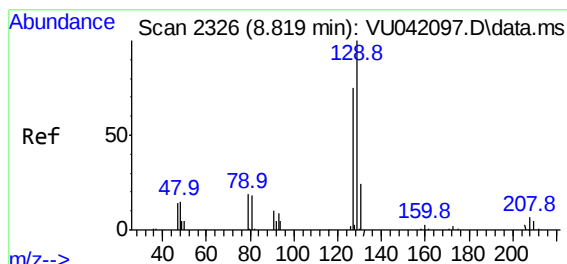
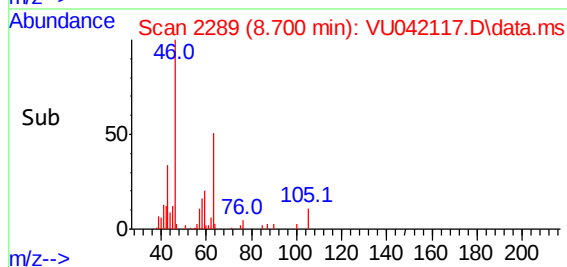
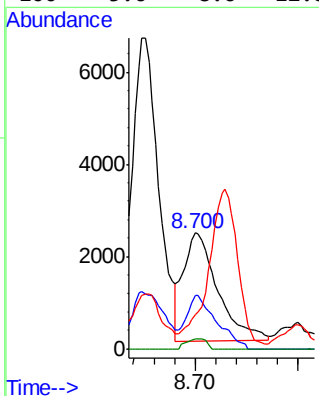
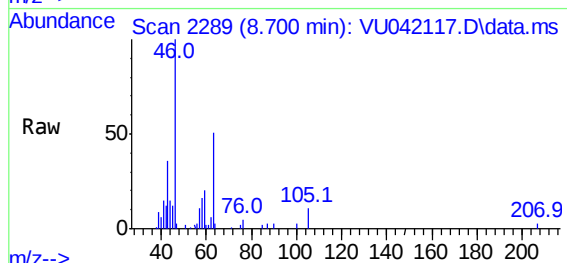




#48
2-Hexanone
Concen: 1.07 ug/L
RT: 8.700 min Scan# 2289
Delta R.T. 0.003 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

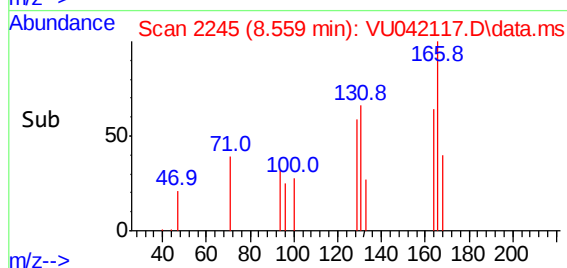
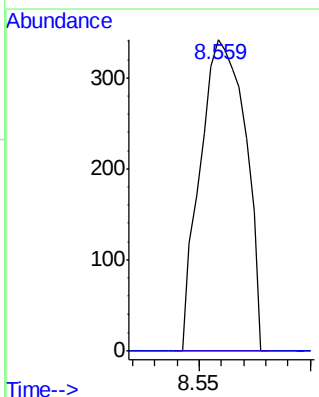
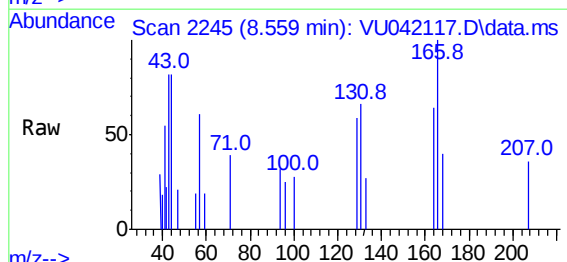
Instrument :
MSVOA_U
ClientSampleId :
F1E04

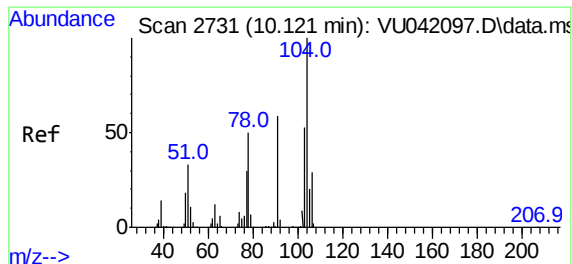
Tgt Ion: 43 Resp: 5374
Ion Ratio Lower Upper
43 100
58 43.4 40.6 61.0
57 130.3 14.9 22.3#
100 5.6 8.6 12.8#



#49
Dibromochloromethane
Concen: 0.06 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.260 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

Tgt Ion: 129 Resp: 483
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#

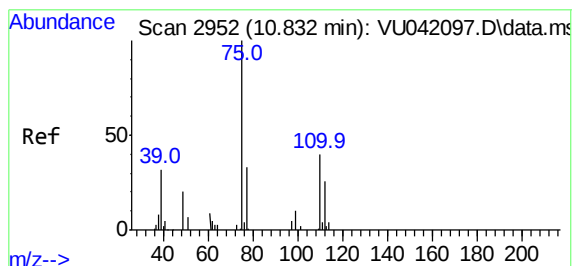
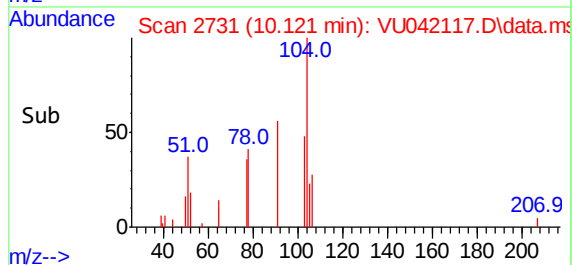
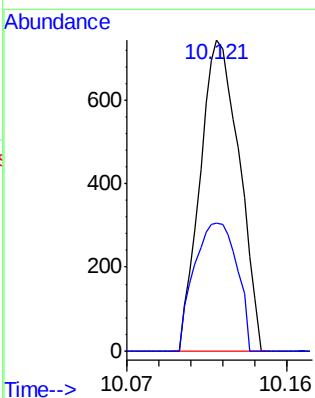
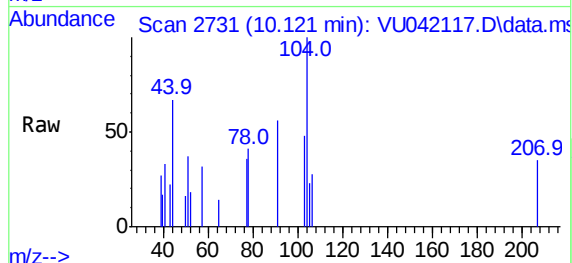




#55
Styrene
Concen: 0.05 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

Instrument :
MSVOA_U
ClientSampled :
F1E04

Tgt Ion:104 Resp: 1188
Ion Ratio Lower Upper
104 100
78 40.9 34.9 64.7



#59
1,2,3-Trichloropropane
Concen: 1.08 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042117.D
Acq: 20 Jan 2021 19:48

Tgt Ion: 75 Resp: 6430
Ion Ratio Lower Upper
75 100
77 37.3 26.0 39.0

