

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041709.D
 Acq On : 21 Dec 2020 18:41
 Operator : SY/MD
 Sample : L5162-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB256

Quant Time: Dec 22 02:53:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 02:49:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124676	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120743	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54899	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40411	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.92	69	40139	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.58	63	60597	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.66	46	178475	63.74	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.48%
24) Chloroform-d	5.08	84	87832	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.72	65	51867	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.74	84	166547	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	57736	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.90	98	148586	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.19	79	23638	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	151473	56.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56430	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	53965	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	452	0.044 ug/L	90
8) Chloroethane	1.95	64	908	0.118 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	534	0.062 ug/L #	22
12) 1,1-Dichloroethene	2.58	96	460	0.054 ug/L #	1
13) Acetone	2.67	43	2668	1.498 ug/L	91
15) Methyl Acetate	2.97	43	418	0.090 ug/L #	51
27) 1,2-Dichloroethane	5.75	62	996	0.089 ug/L #	73
31) Carbon tetrachloride	5.54	117	571	0.048 ug/L #	24
35) Methylcyclohexane	6.70	83	12601	0.803 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5597	0.567 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1565	0.107 ug/L #	69
44) trans-1,3-Dichloropropene	8.19	75	895	0.068 ug/L #	68
47) Tetrachloroethene	8.56	164	1053	0.155 ug/L #	77
48) 2-Hexanone	8.69	43	2653	0.519 ug/L #	69
49) Dibromochloromethane	8.56	129	950	0.113 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6323	0.852 ug/L	96

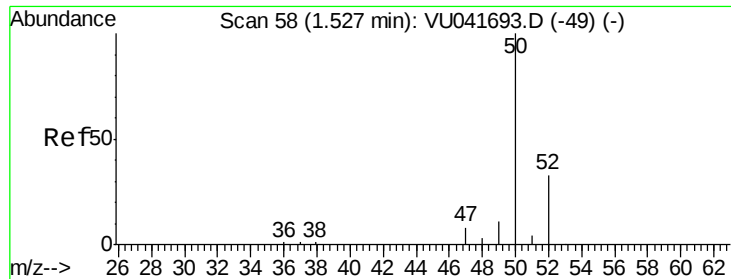
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122120\
Data File : VU041709.D
Acq On : 21 Dec 2020 18:41
Operator : SY/MD
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration

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



#3

Chloromethane

Concen: 0.044 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041709.D

Acq: 21 Dec 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :

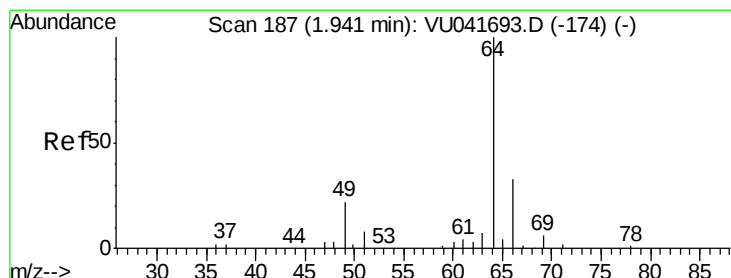
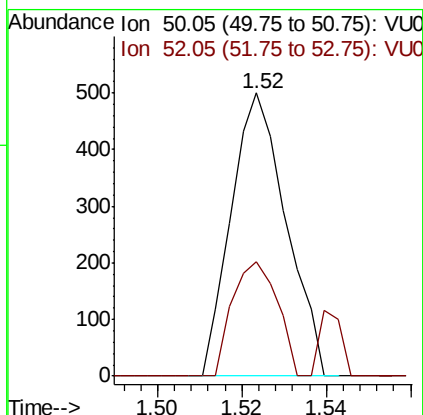
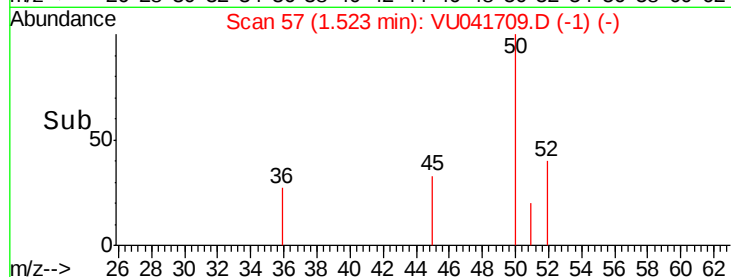
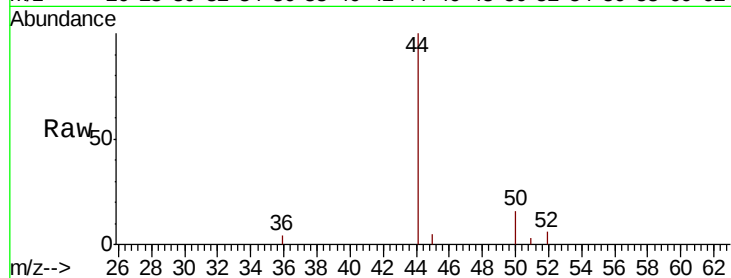
GB256

Tot Ion: 50 Resp: 452

Ion Ratio Lower Upper

50 100

52 40.2 24.1 44.8



#8

Chloroethane

Concen: 0.118 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU041709.D

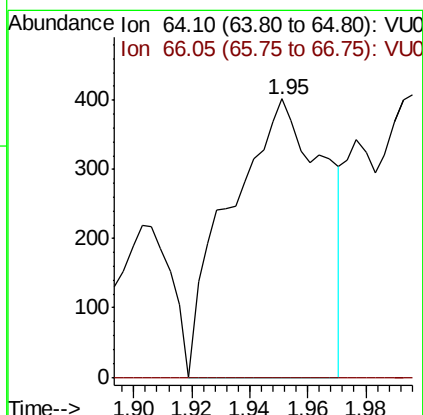
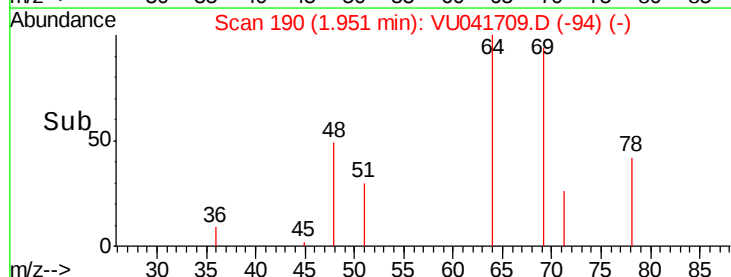
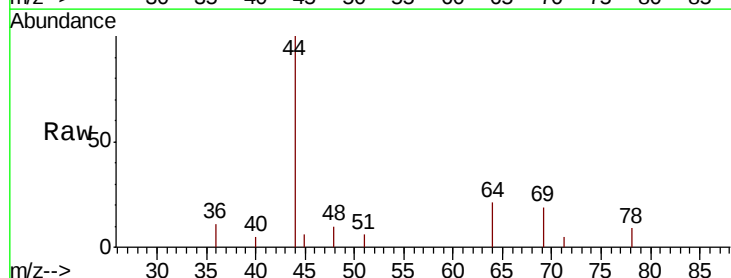
Acq: 21 Dec 2020 18:41

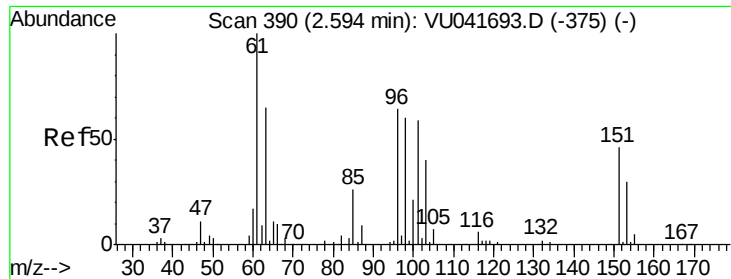
Tgt Ion: 64 Resp: 908

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.062 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041709.D

Acq: 21 Dec 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :

GB256

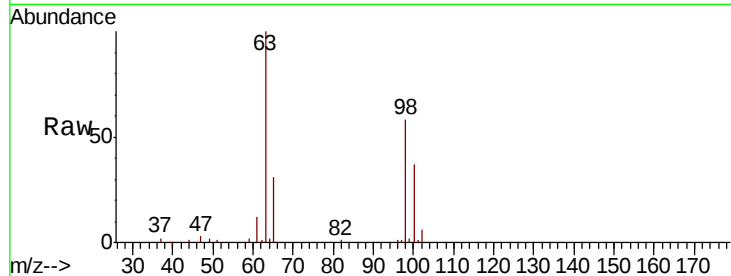
Tot Ion:101 Resp: 534

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

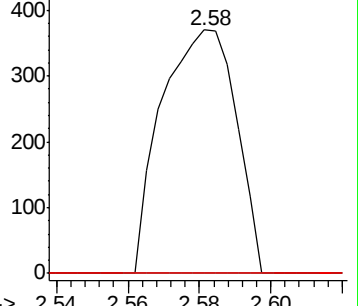
151 0.0 56.2 84.4#



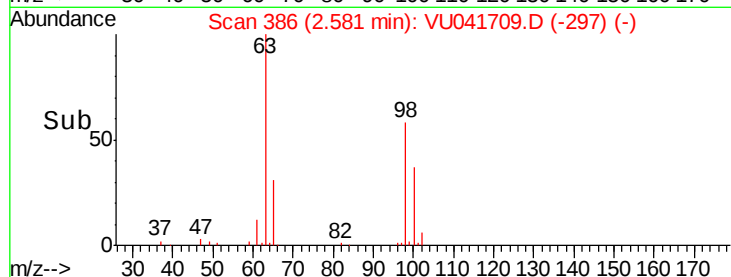
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.054 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041709.D

Acq: 21 Dec 2020 18:41

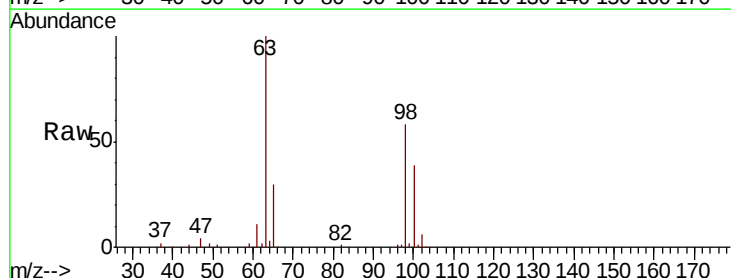
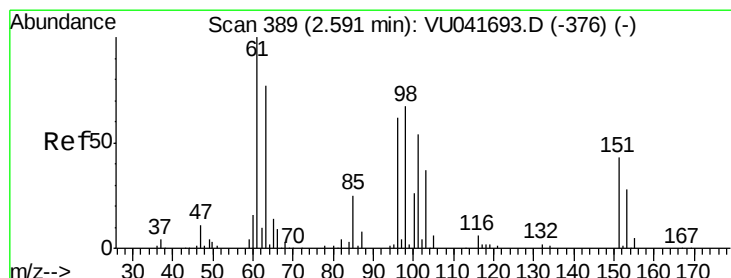
Tgt Ion: 96 Resp: 460

Ion Ratio Lower Upper

96 100

61 1160.3 123.8 230.0#

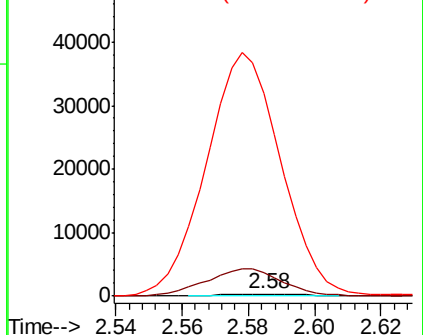
63 10097.2 81.0 150.4#



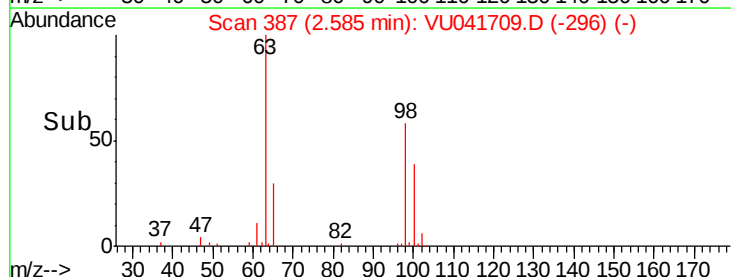
Abundance Ion 96.00 (95.70 to 96.70): VU0

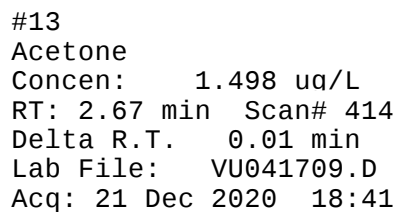
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

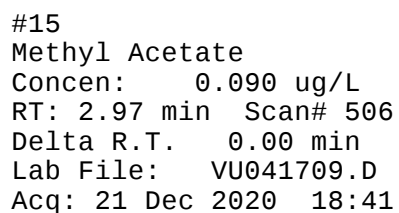
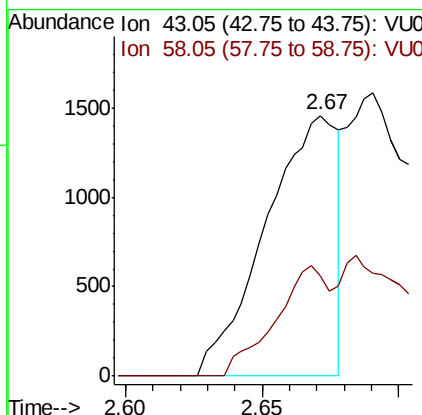
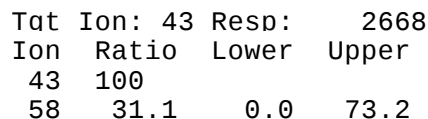


Time-->

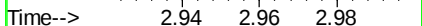
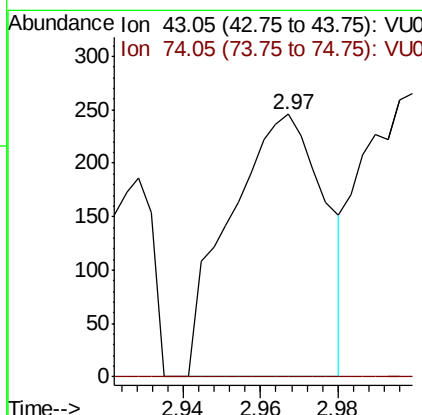


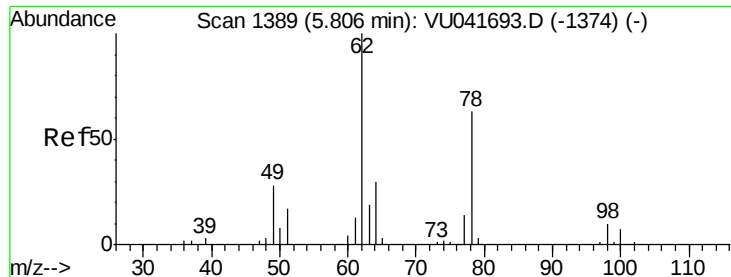


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Tgt	Ion: 43	Resp:	418
Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.2	28.8#

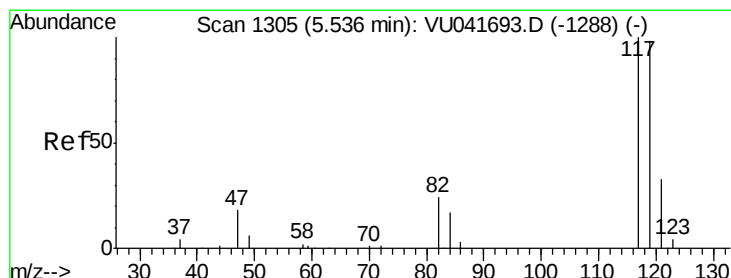
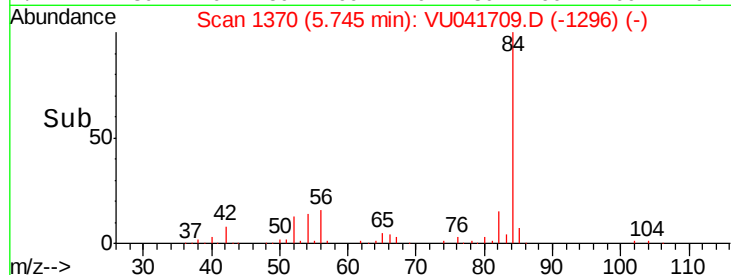
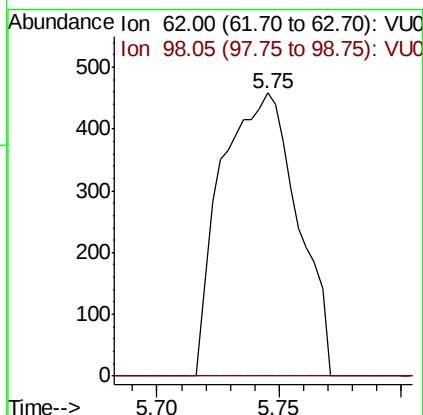
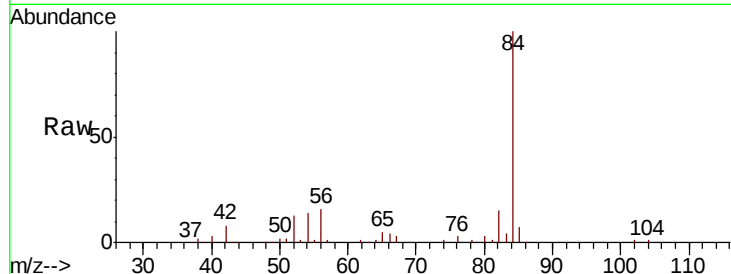




#27
 1,2-Dichloroethane
 Concen: 0.089 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041709.D
 Acq: 21 Dec 2020 18:41

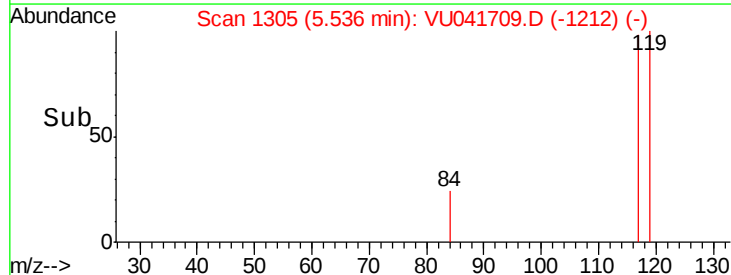
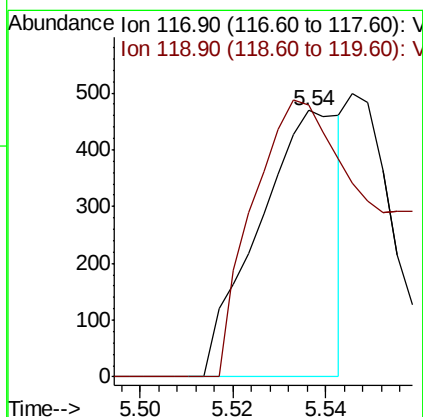
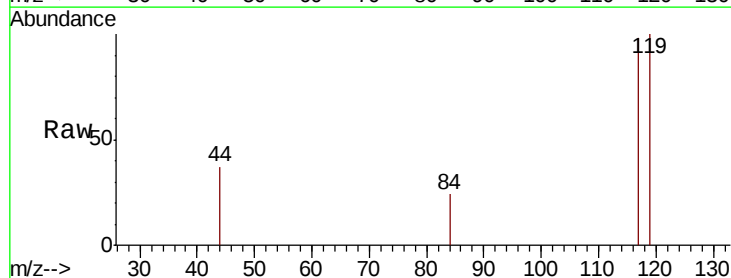
Instrument :
 MSVOA_U
 ClientSampled :
 GB256

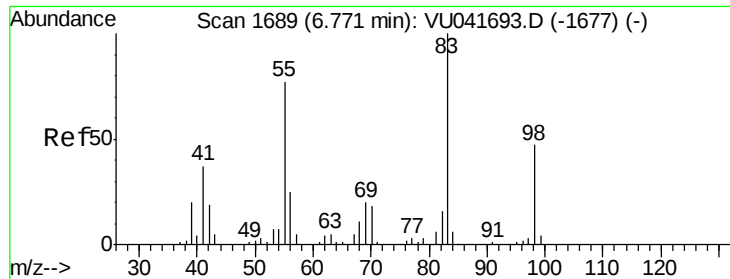
Tot Ion: 62 Resp: 996
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#31
 Carbon tetrachloride
 Concen: 0.048 ug/L
 RT: 5.54 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU041709.D
 Acq: 21 Dec 2020 18:41

Tgt Ion: 117 Resp: 571
 Ion Ratio Lower Upper
 117 100
 119 169.4 76.2 114.2#

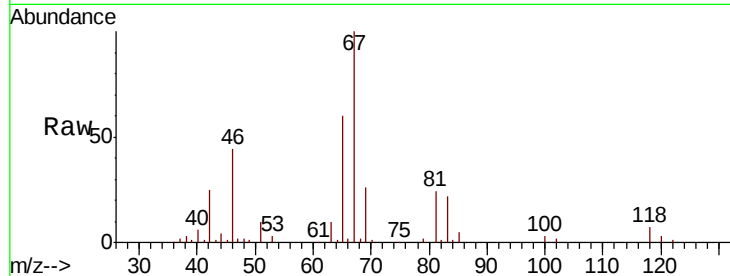




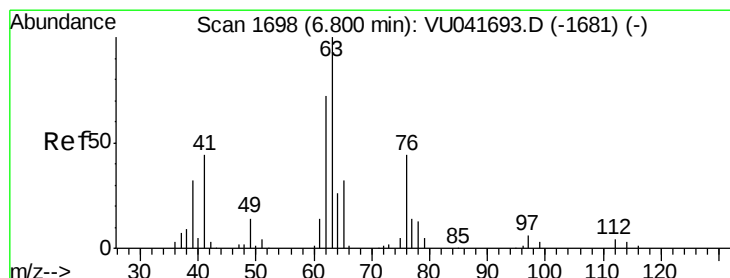
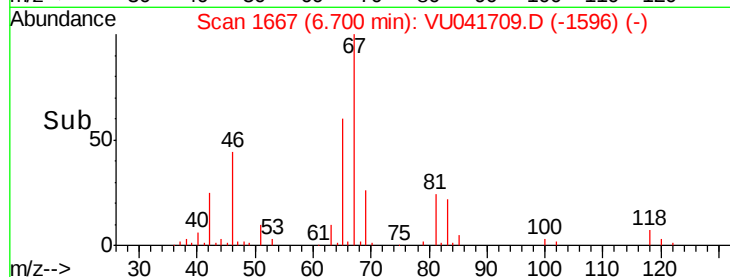
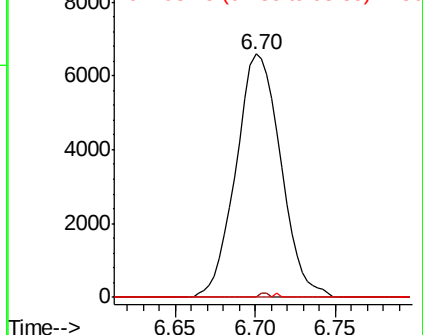
#35
Methvlcvclohexane
Concen: 0.803 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041709.D
Acq: 21 Dec 2020 18:41

Instrument :
MSVOA_U
ClientSampleId :
GB256

Tot Ion	83.15	Resp	12601
Ion Ratio	Lower	Upper	
83	100		
55	0.4	61.2	91.8#
98	0.2	36.6	54.8#

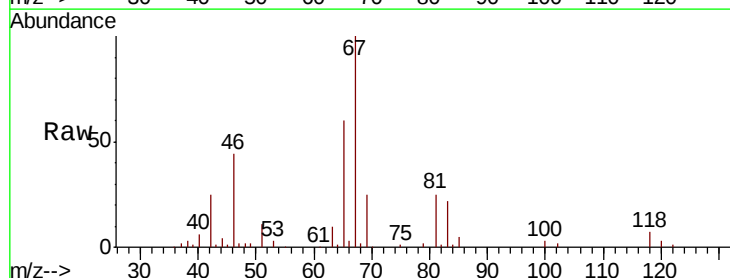


Abundance Ion 83.15 (82.85 to 83.85): VU041709.D (-1667) (-)

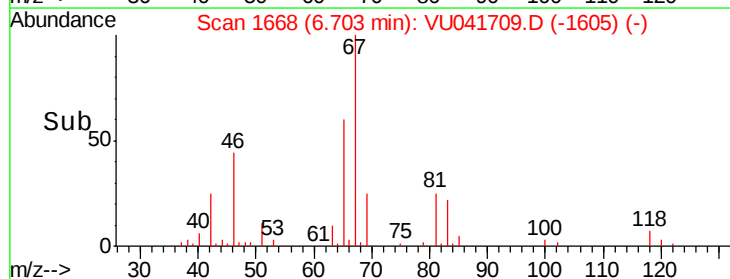
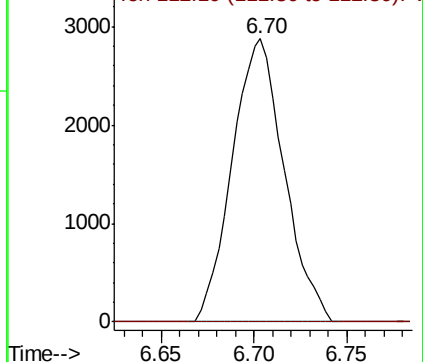


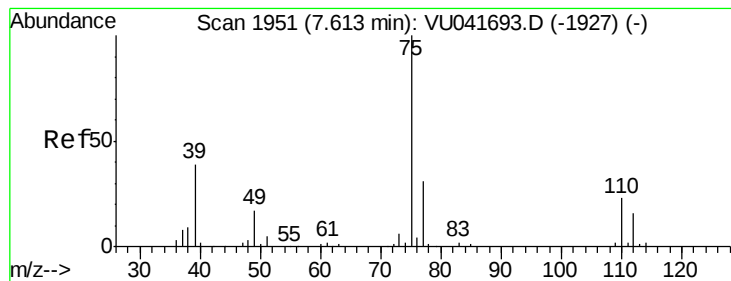
#37
1,2-Dichloropropane
Concen: 0.567 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041709.D
Acq: 21 Dec 2020 18:41

Tgt Ion	63.10	Resp	5597
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.1	4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041709.D (-1668) (-)



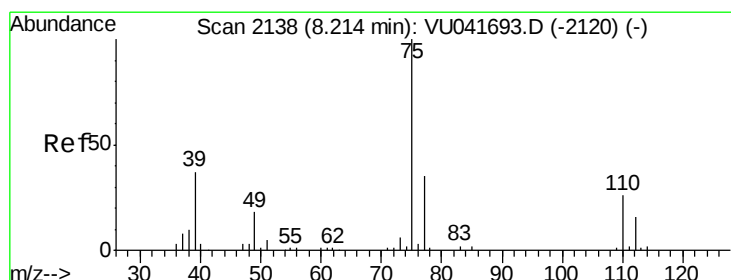
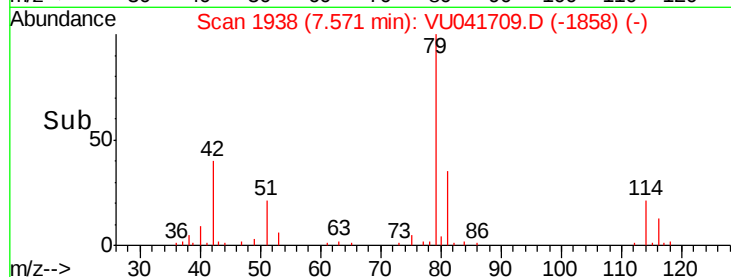
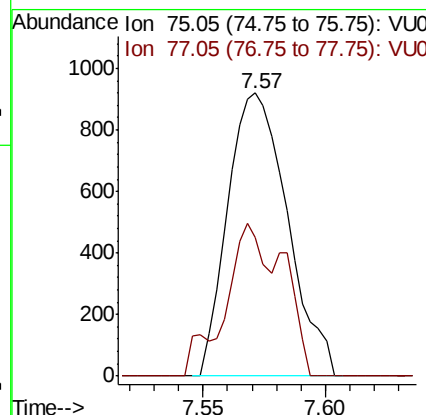
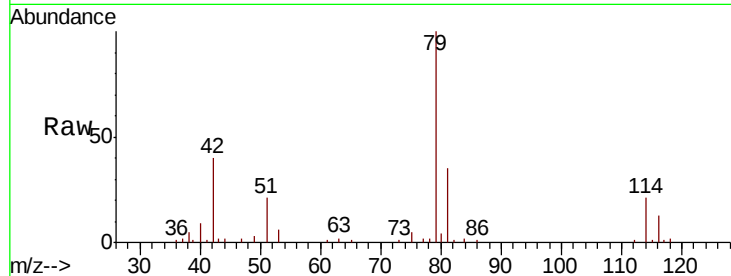


#39

cis-1,3-Dichloropropene
Concen: 0.107 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU041709.D
Acq: 21 Dec 2020 18:41

Instrument :
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ClientSampleId :
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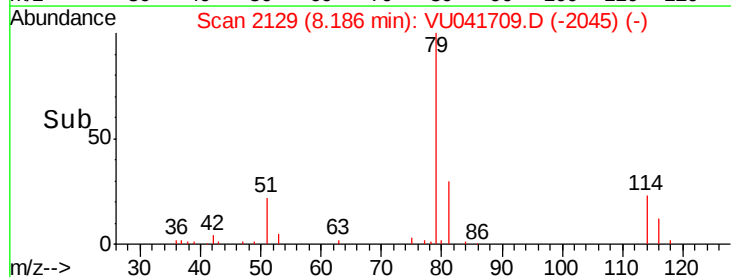
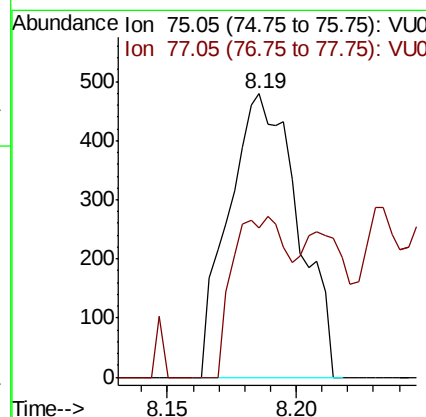
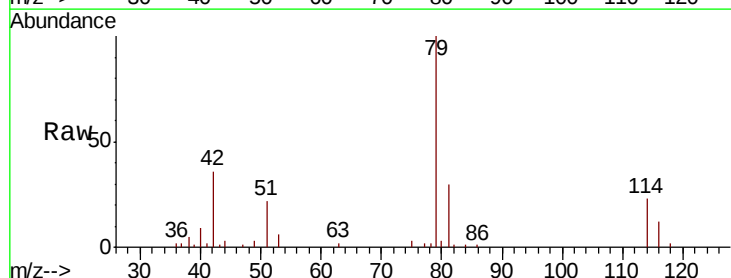
Tot Ion: 75 Resp: 1565
Ion Ratio Lower Upper
75 100
77 48.9 22.3 41.3#

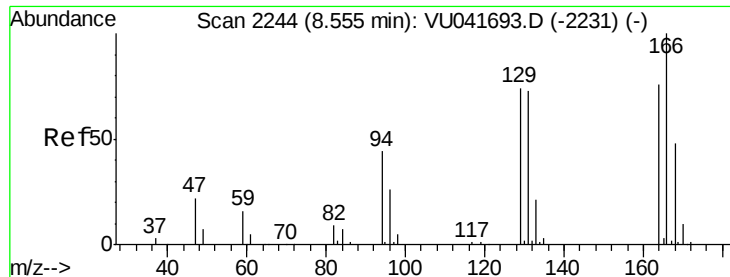


#44

trans-1,3-Dichloropropene
Concen: 0.068 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041709.D
Acq: 21 Dec 2020 18:41

Tgt Ion: 75 Resp: 895
Ion Ratio Lower Upper
75 100
77 52.6 23.8 44.2#





#47

Tetrachloroethene

Concen: 0.155 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041709.D

Acq: 21 Dec 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :

GB256

Tot Ion:164 Resp: 1053

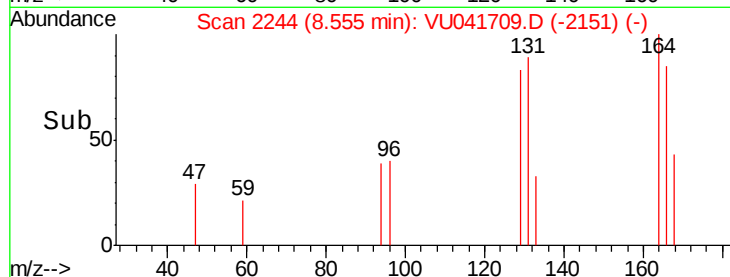
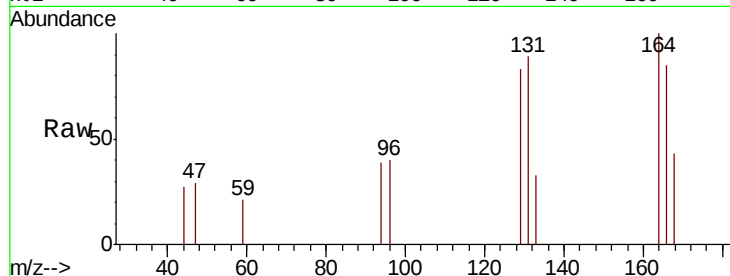
Ion Ratio Lower Upper

164 100

129 83.5 72.2 134.0

131 88.6 66.9 124.3

166 85.0 89.6 166.4#

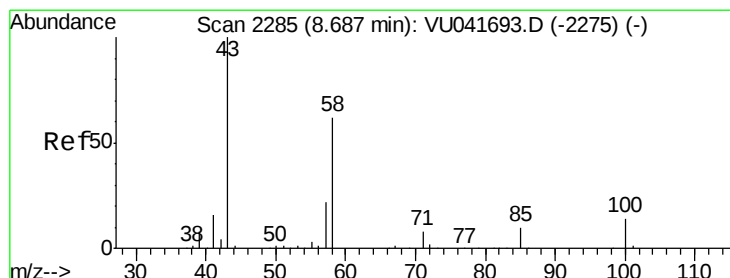
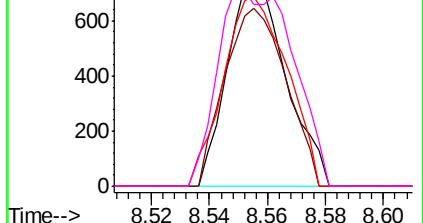


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 0.519 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.01 min

Lab File: VU041709.D

Acq: 21 Dec 2020 18:41

Tgt Ion: 43 Resp: 2653

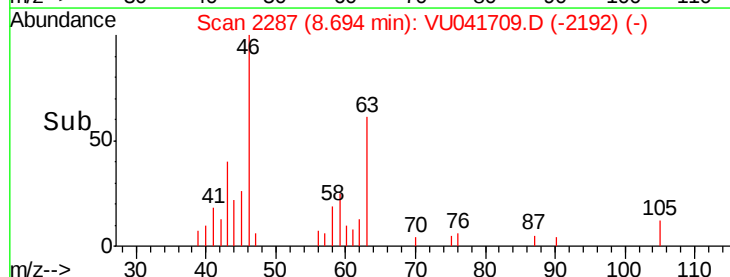
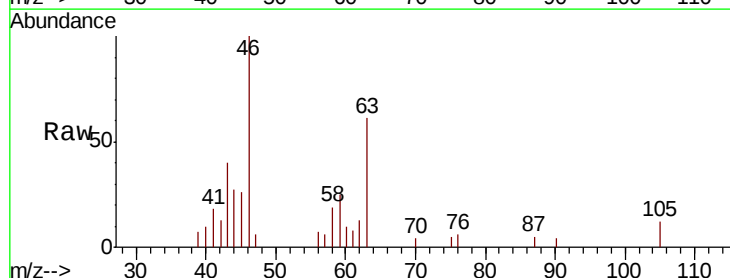
Ion Ratio Lower Upper

43 100

58 34.3 47.9 71.9#

57 8.6 16.5 24.7#

100 2.3 9.4 14.2#

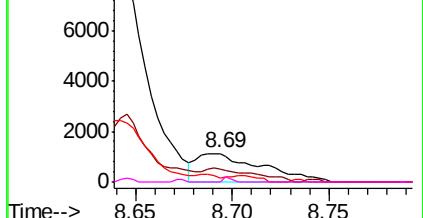


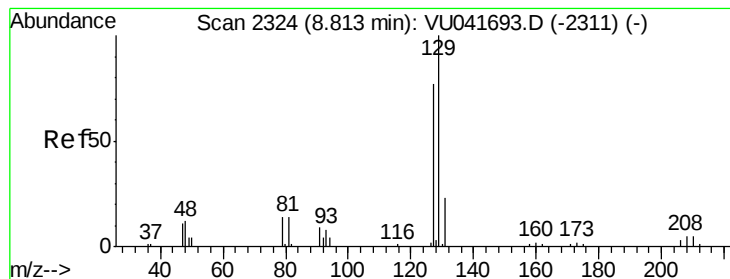
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.113 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041709.D

Acq: 21 Dec 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :

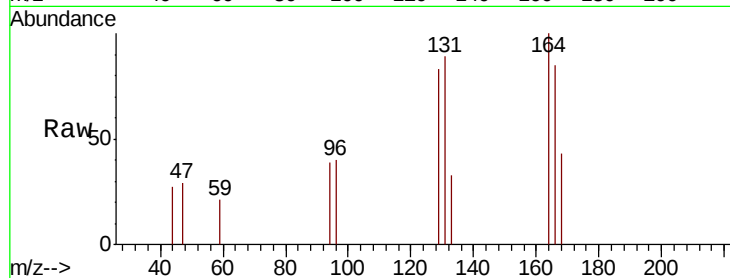
GB256

Tot Ion:129 Resp: 950

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

600

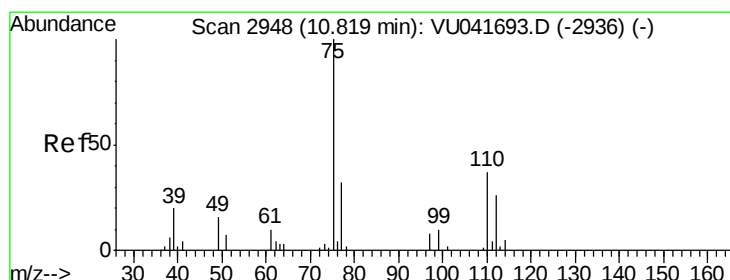
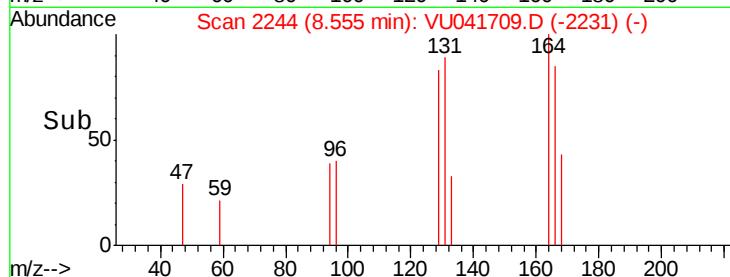
400

200

0

Time-->

8.52 8.54 8.56 8.58



#59

1,2,3-Trichloropropane

Concen: 0.852 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041709.D

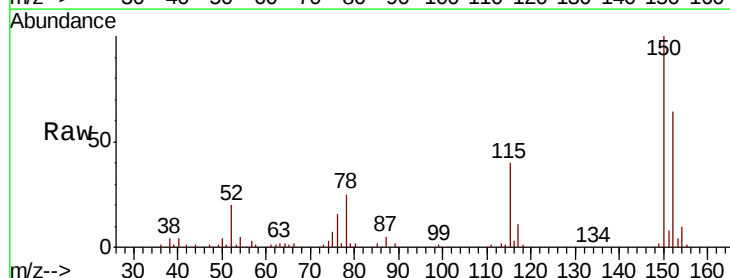
Acq: 21 Dec 2020 18:41

Tgt Ion: 75 Resp: 6323

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

4000

3000

2000

1000

0

Time-->

11.75 11.80 11.85

