

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040169.D
 Acq On : 17 Sep 2020 00:15
 Operator : SY/MD
 Sample : L4046-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P5

Quant Time: Sep 17 02:09:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 02:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	109539	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	106475	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48132	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26951	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.93	69	24471	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.58	63	44580	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	4.66	46	112660	47.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.20%
24) Chloroform-d	5.08	84	62915	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.72	65	37785	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	5.75	84	113253	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.70	67	37668	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.91	98	91291	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	8.19	79	14294	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.64	63	76591	42.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	32493	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	36890	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	455	0.043	ug/L #	1
8) Chloroethane	1.76	64	122605	19.335	ug/L #	50
14) Carbon disulfide	2.81	76	1422	0.052	ug/L #	75
17) Methyl tert-butyl Ether	3.39	73	14664	0.574	ug/L	97
25) Chloroform	5.11	83	1104	0.057	ug/L	84
27) 1,2-Dichloroethane	5.79	62	987	0.070	ug/L #	78
33) Benzene	5.79	78	97134	2.550	ug/L	100
35) Methylcyclohexane	6.70	83	9406	0.601	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	4677	0.453	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1088	0.072	ug/L #	23
44) trans-1,3-Dichloropropene	8.19	75	649	0.046	ug/L	83
51) Chlorobenzene	9.45	112	12842	0.527	ug/L	96
56) Isopropylbenzene	10.48	105	3292	0.080	ug/L	95
59) 1,2,3-Trichloropropane	11.81	75	7415	0.970	ug/L #	84
63) 1,4-Dichlorobenzene	11.83	146	920	0.052	ug/L	88

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 17 02:07:00 2020
Response via : Initial Calibration

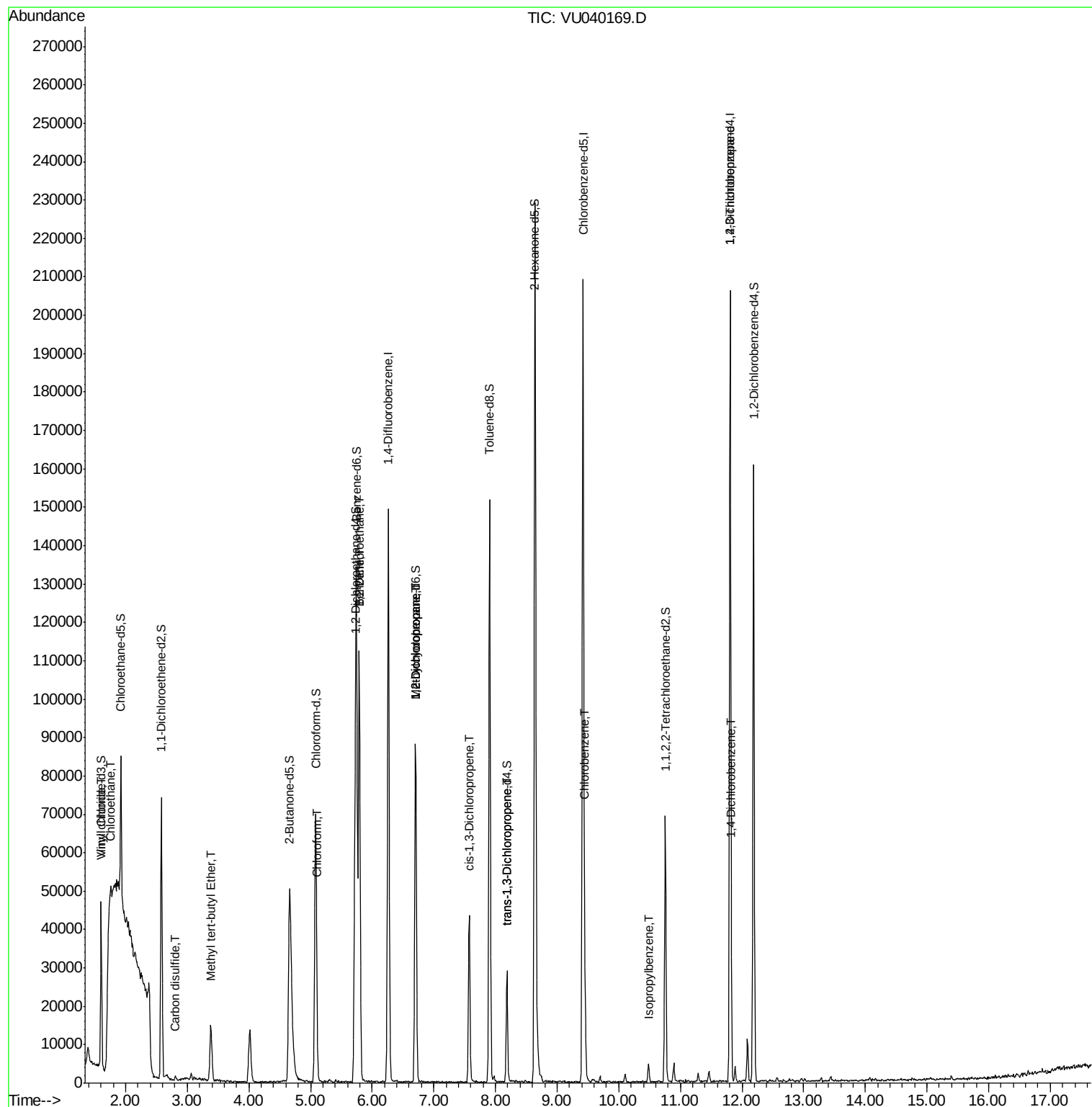
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

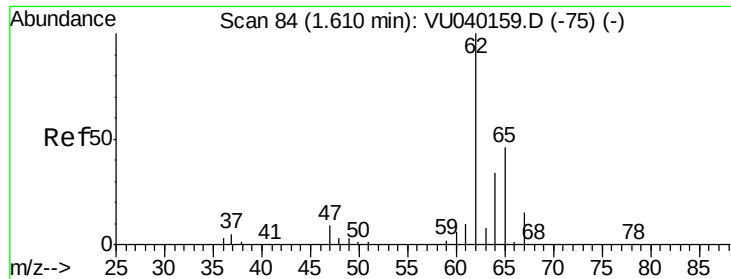
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 17 02:07:00 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.043 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.01 min

Lab File: VU040169.D

Acq: 17 Sep 2020 00:15

Instrument :

MSVOA_U

ClientSampleId :

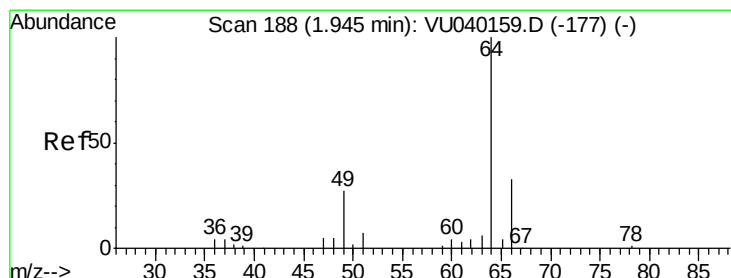
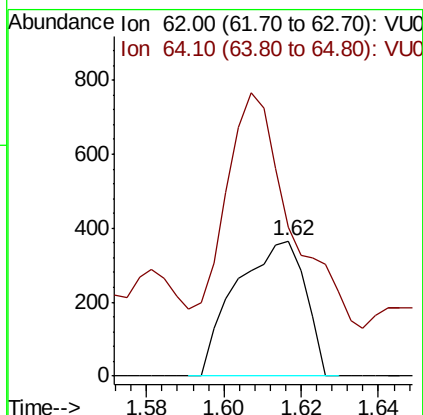
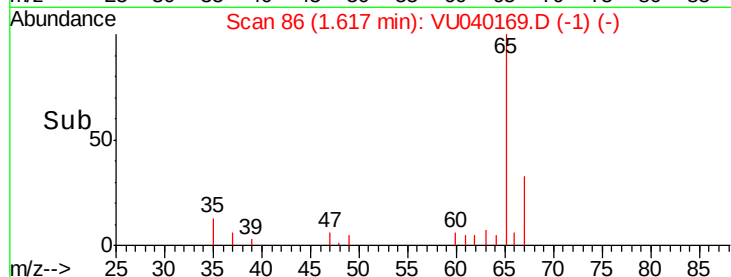
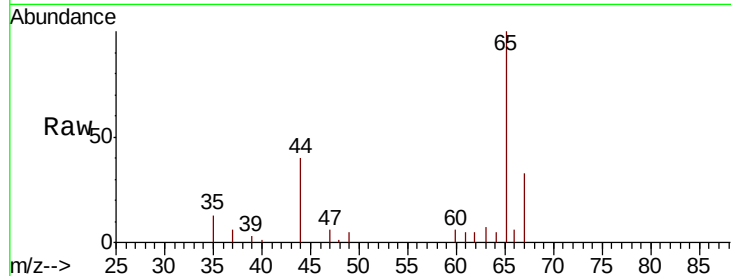
BG0P5

Tot Ion: 62 Resp: 455

Ion Ratio Lower Upper

62 100

64 109.6 23.9 44.3#



#8

Chloroethane

Concen: 19.335 ug/L

RT: 1.76 min Scan# 132

Delta R.T. -0.18 min

Lab File: VU040169.D

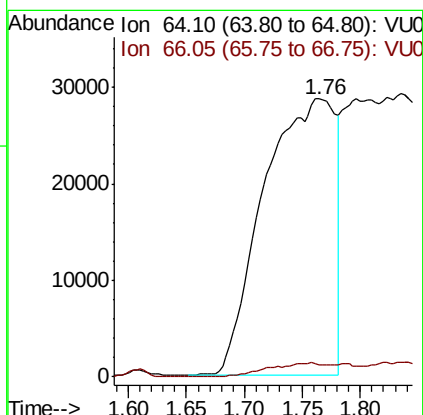
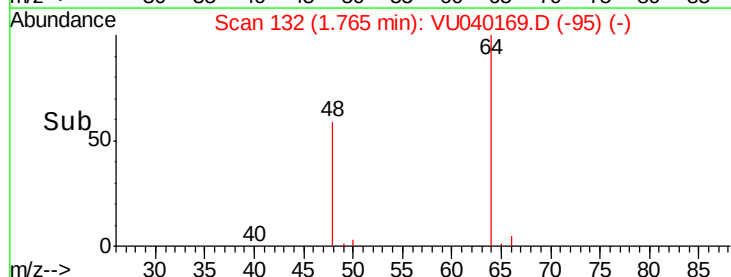
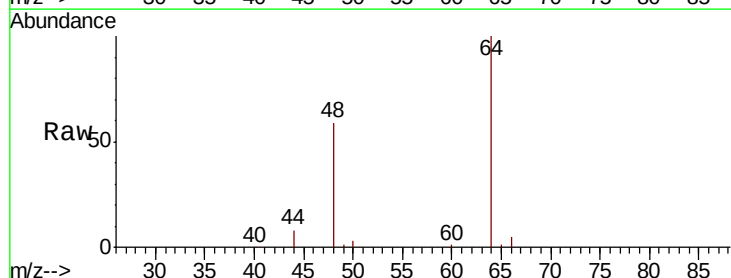
Acq: 17 Sep 2020 00:15

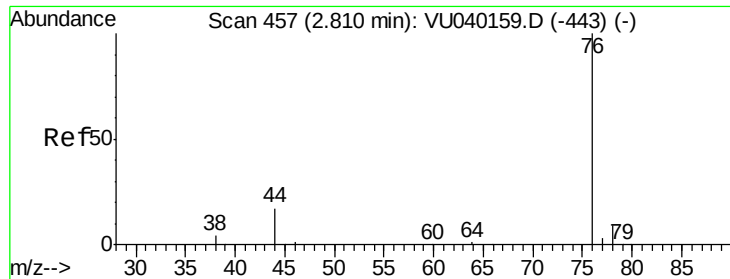
Tgt Ion: 64 Resp: 122605

Ion Ratio Lower Upper

64 100

66 4.5 22.7 42.1#





#14

Carbon disulfide

Concen: 0.052 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040169.D

Acq: 17 Sep 2020 00:15

Instrument :

MSVOA_U

ClientSampleId :

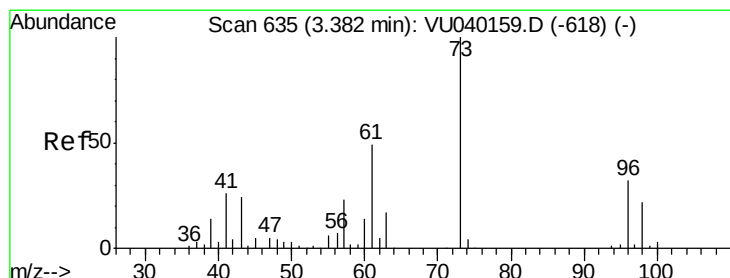
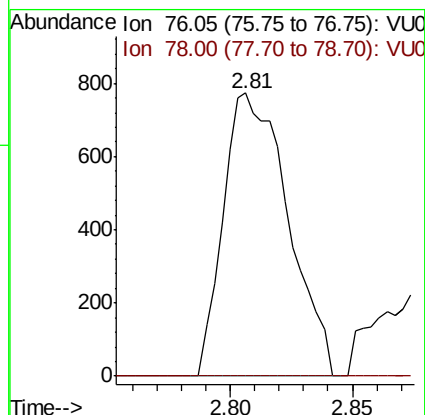
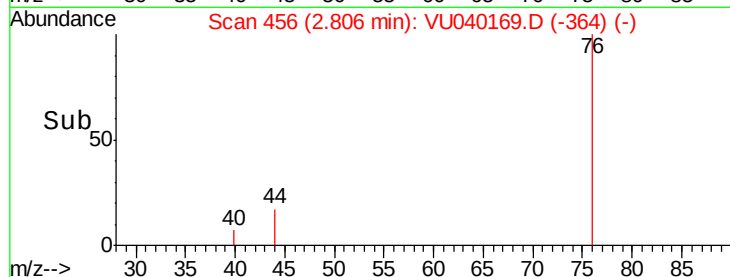
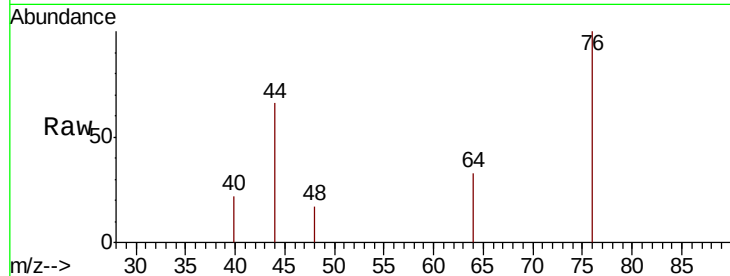
BG0P5

Tot Ion: 76 Resp: 1422

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#17

Methyl tert-butyl Ether

Concen: 0.574 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU040169.D

Acq: 17 Sep 2020 00:15

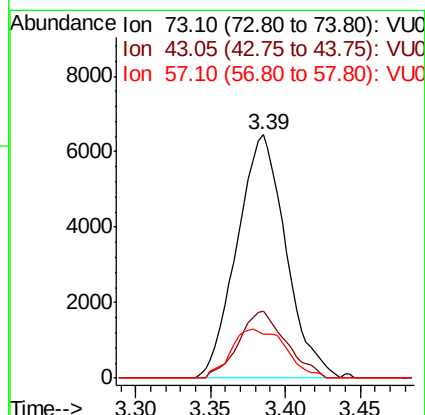
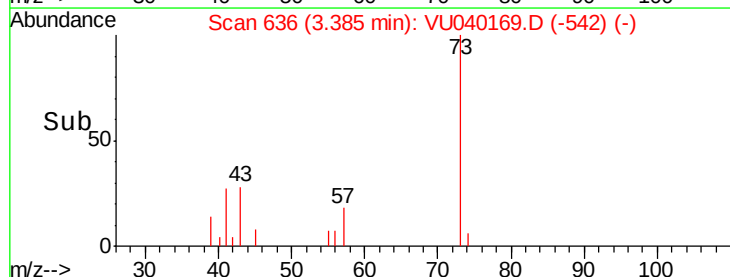
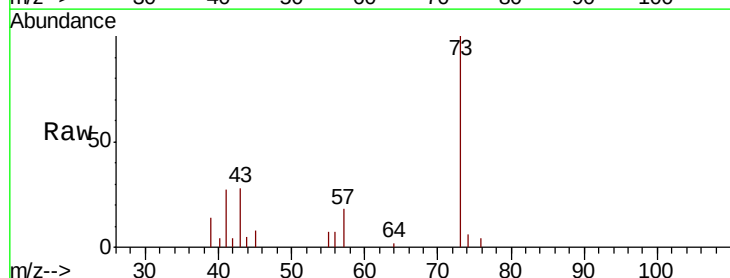
Tgt Ion: 73 Resp: 14664

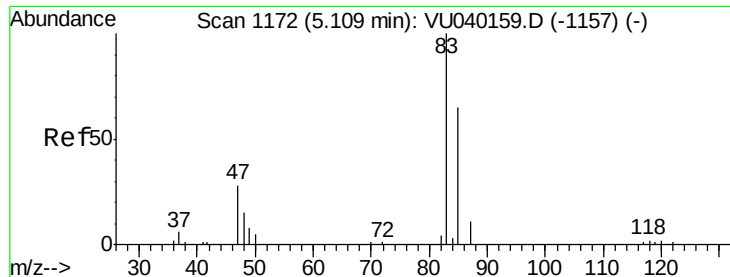
Ion Ratio Lower Upper

73 100

43 26.6 19.1 28.7

57 22.4 18.3 27.5

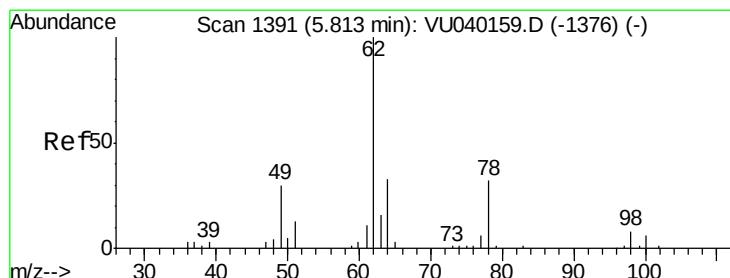
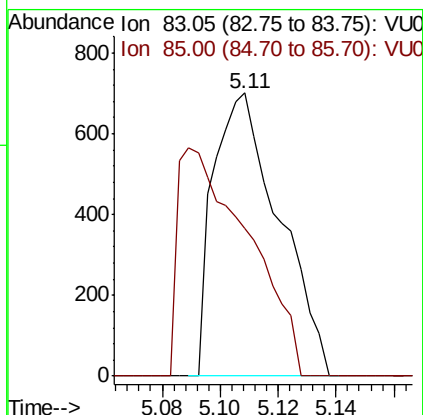
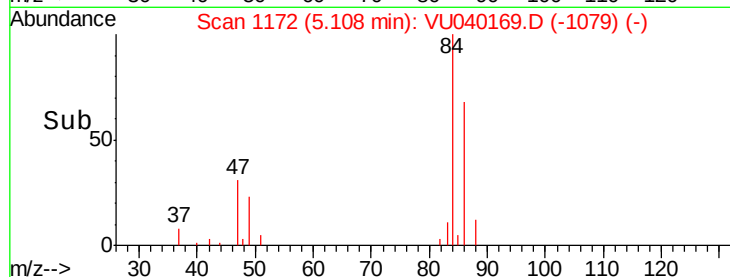
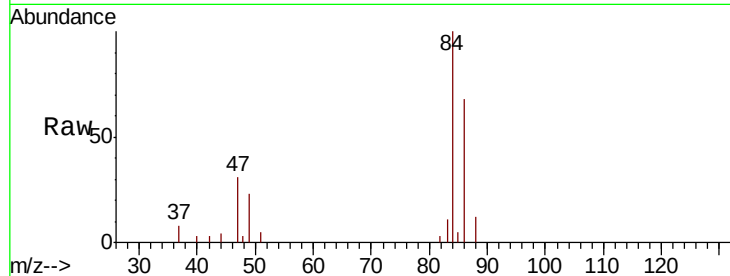




#25
Chloroform
Concen: 0.057 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU040169.D
Acq: 17 Sep 2020 00:15

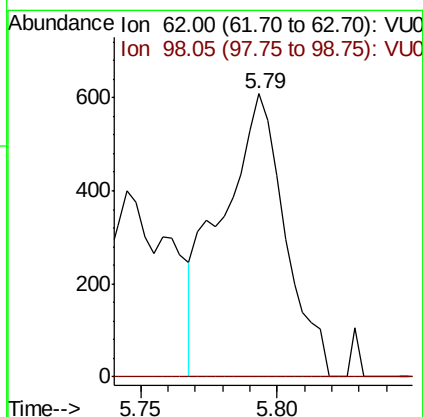
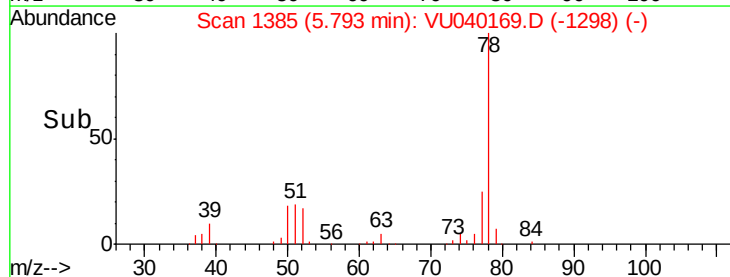
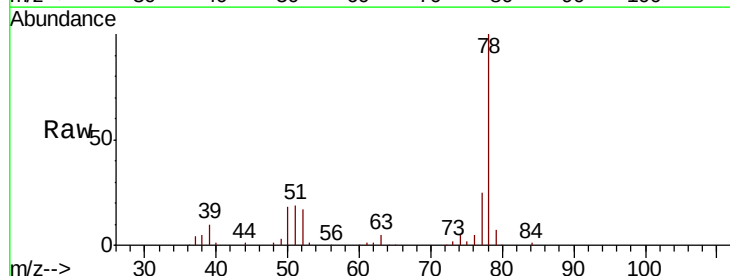
Instrument :
MSVOA_U
ClientSampleId :
BG0P5

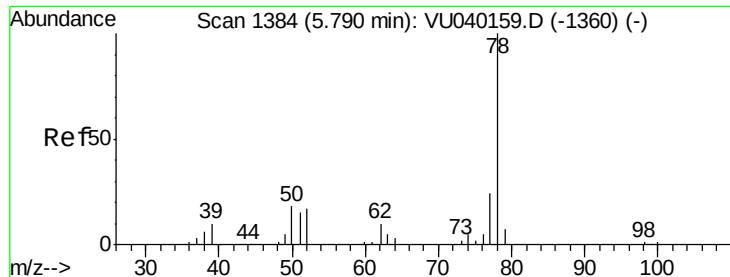
Tot Ion: 83 Resp: 1104
Ion Ratio Lower Upper
83 100
85 52.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.070 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.02 min
Lab File: VU040169.D
Acq: 17 Sep 2020 00:15

Tgt Ion: 62 Resp: 987
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#





#33

Benzene

Concen: 2.550 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU040169.D

Acq: 17 Sep 2020 00:15

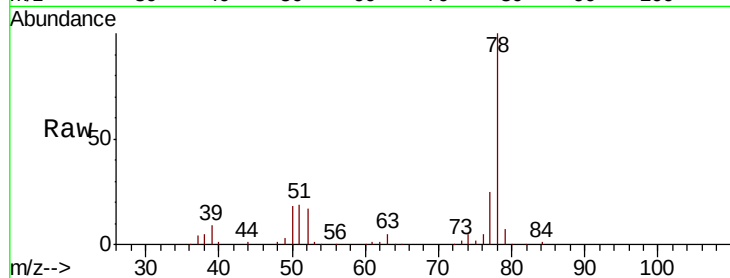
Instrument :

MSVOA_U

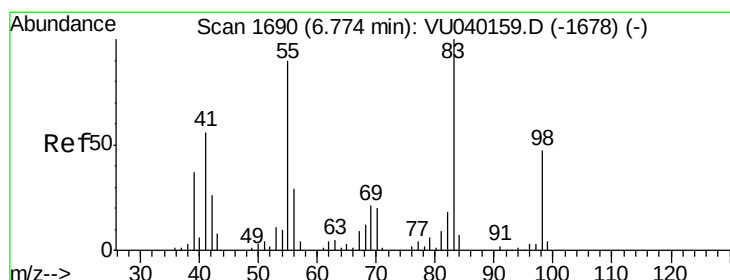
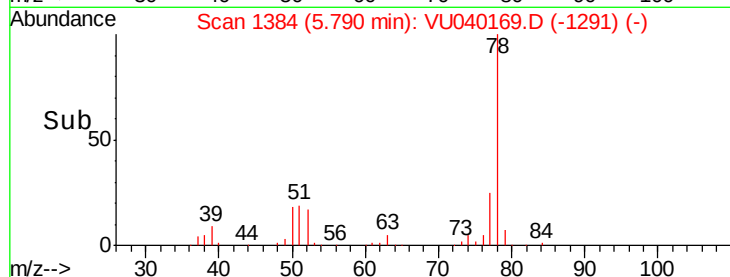
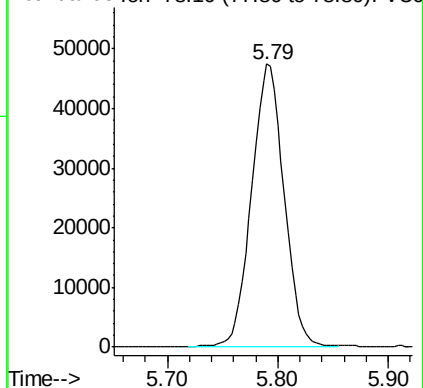
ClientSampleId :

BG0P5

Tgt Ion: 78 Resp: 97134



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.601 ug/L

RT: 6.70 min Scan# 1668

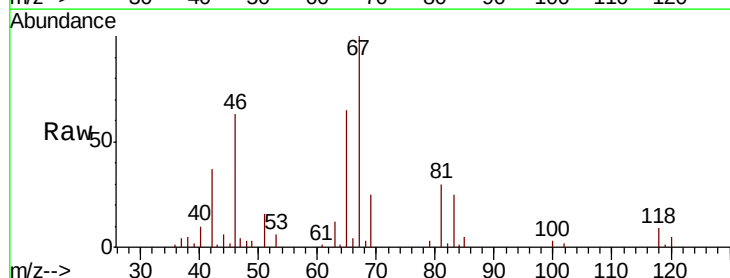
Delta R.T. -0.07 min

Lab File: VU040169.D

Acq: 17 Sep 2020 00:15

Tgt Ion: 83 Resp: 9406

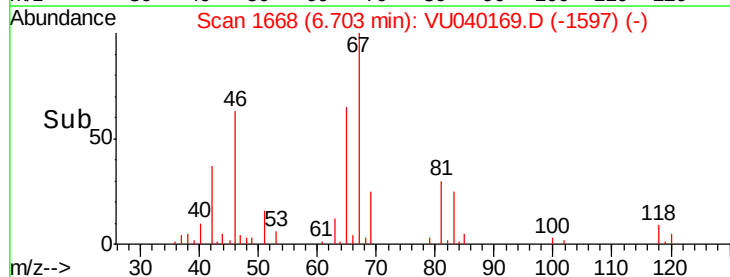
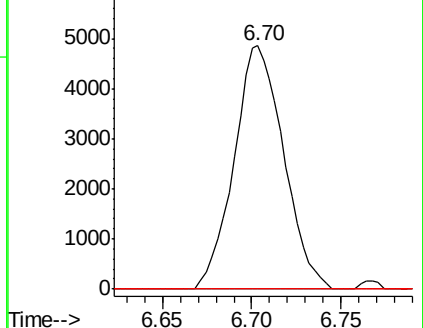
Ion	Ratio	Lower	Upper
83	100		
55	0.0	70.5	105.7#
98	0.0	37.8	56.6#

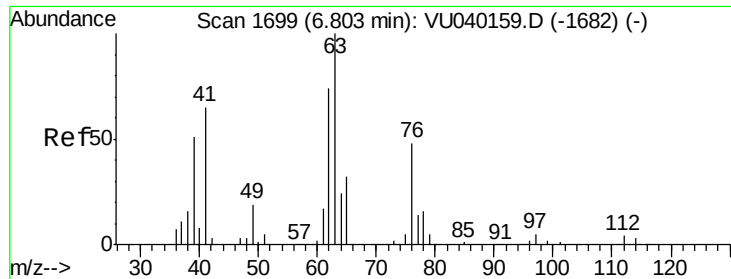


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

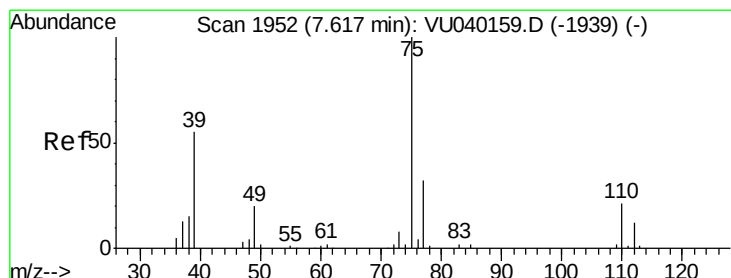
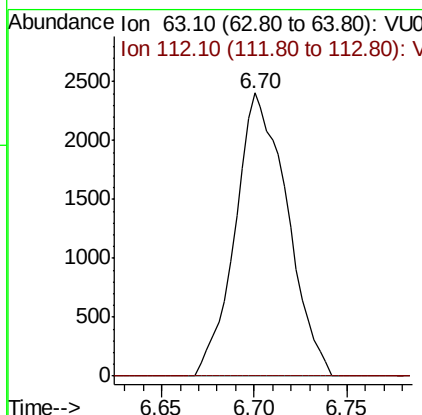
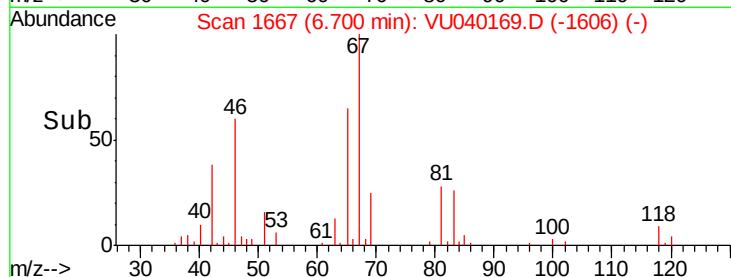
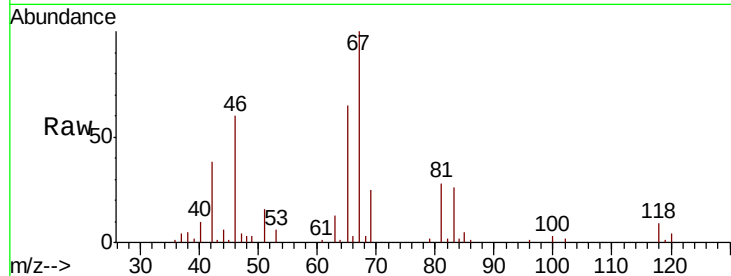




#37
 1,2-Dichloropropane
 Concen: 0.453 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040169.D
 Acq: 17 Sep 2020 00:15

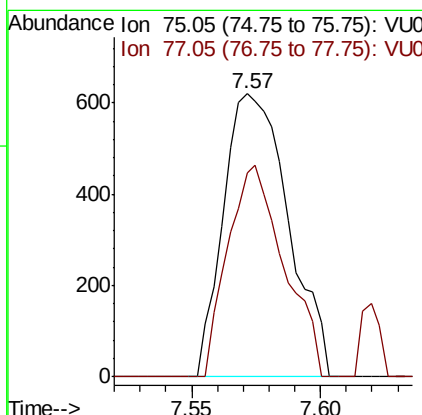
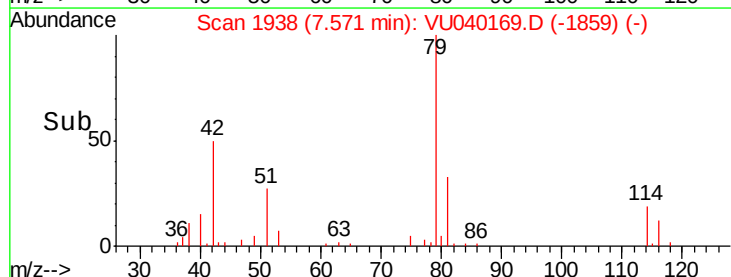
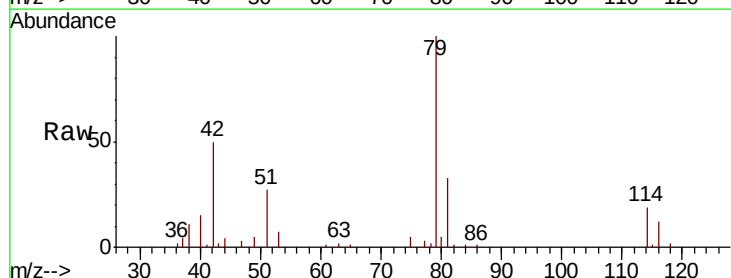
Instrument :
 MSVOA_U
 ClientSampleID :
 BG0P5

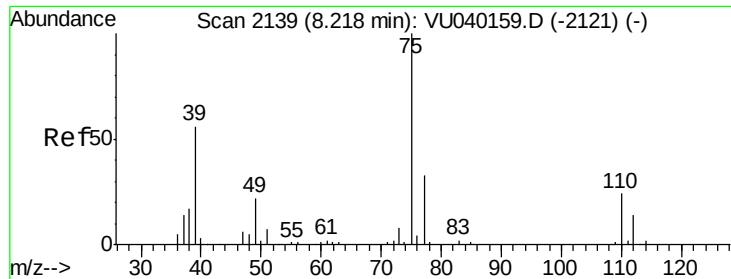
Tot Ion: 63 Resp: 4677
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.072 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU040169.D
 Acq: 17 Sep 2020 00:15

Tgt Ion: 75 Resp: 1088
 Ion Ratio Lower Upper
 75 100
 77 72.3 21.1 39.3#

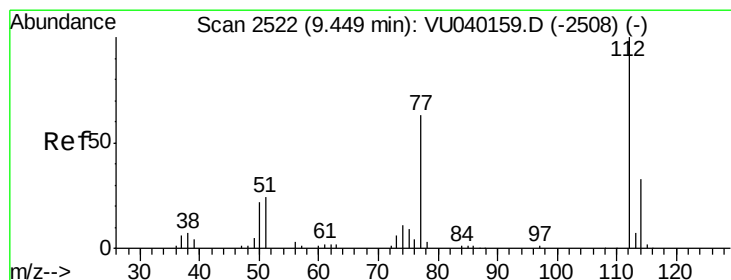
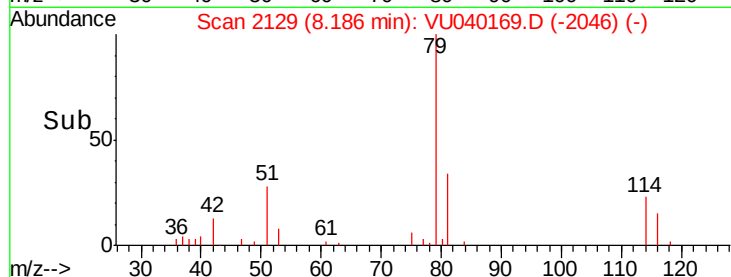
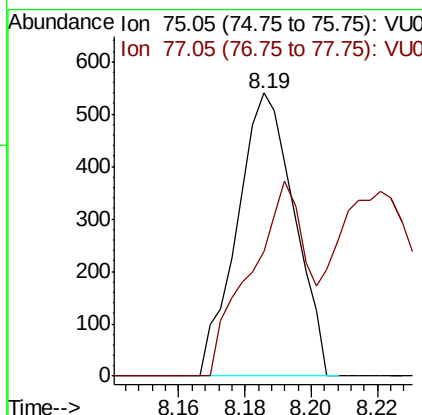
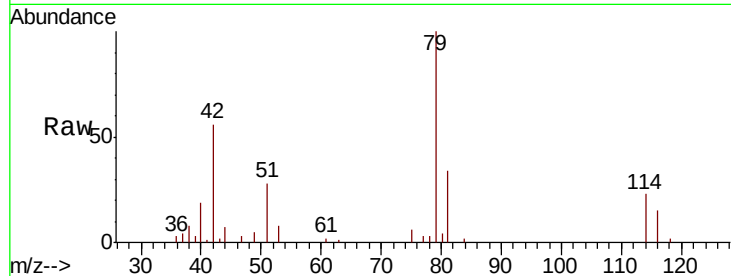




#44
trans-1,3-Dichloropropene
Concen: 0.046 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU040169.D
Acq: 17 Sep 2020 00:15

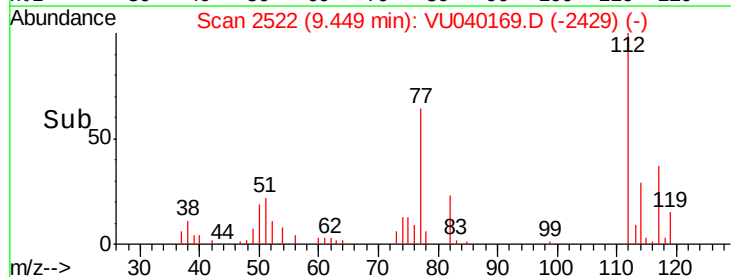
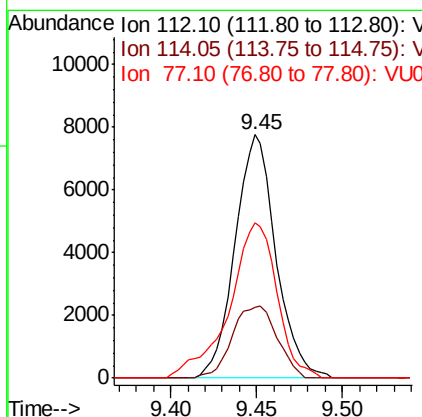
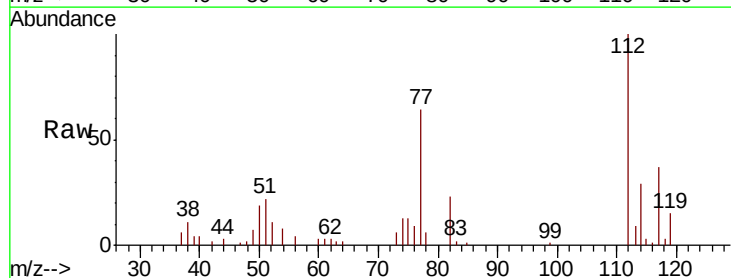
Instrument :
MSVOA_U
ClientSampled :
BG0P5

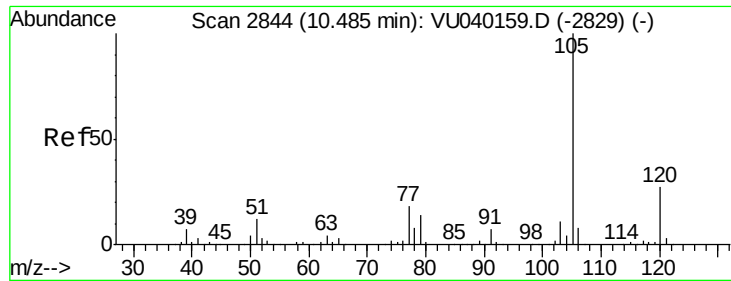
Tot Ion: 75 Resp: 649
Ion Ratio Lower Upper
75 100
77 44.1 23.9 44.3



#51
Chlorobenzene
Concen: 0.527 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040169.D
Acq: 17 Sep 2020 00:15

Tgt Ion: 112 Resp: 12842
Ion Ratio Lower Upper
112 100
114 29.3 22.7 42.3
77 63.6 53.2 79.8





#56

Isopropylbenzene

Concen: 0.080 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040169.D

Acq: 17 Sep 2020 00:15

Instrument :

MSVOA_U

ClientSampleId :

BG0P5

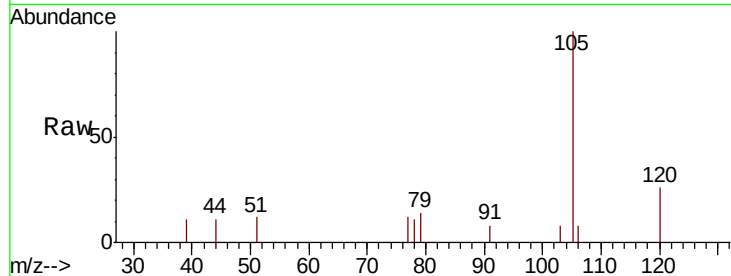
Tot Ion:105 Resp: 3292

Ion Ratio Lower Upper

105 100

120 27.0 20.1 30.1

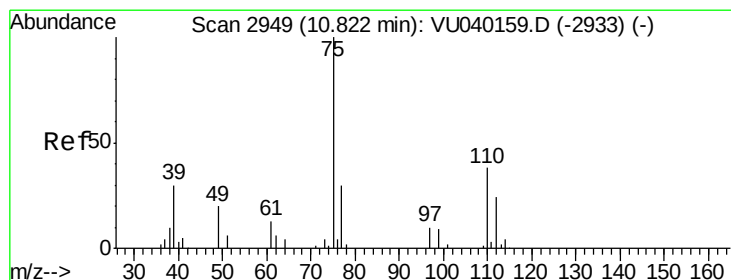
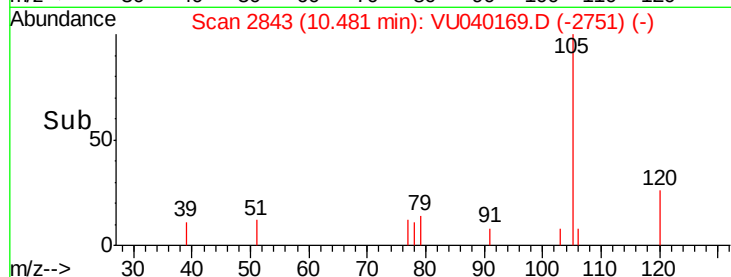
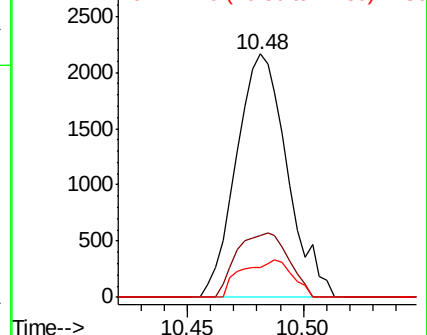
77 15.2 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 0.970 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040169.D

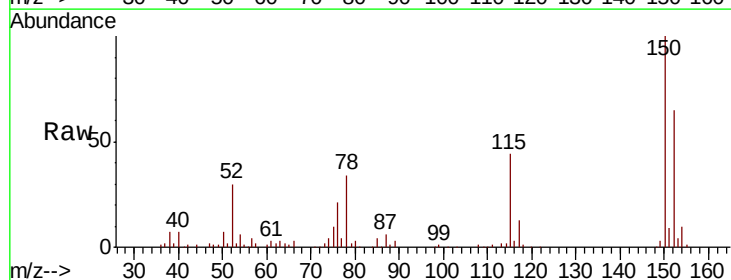
Acq: 17 Sep 2020 00:15

Tgt Ion: 75 Resp: 7415

Ion Ratio Lower Upper

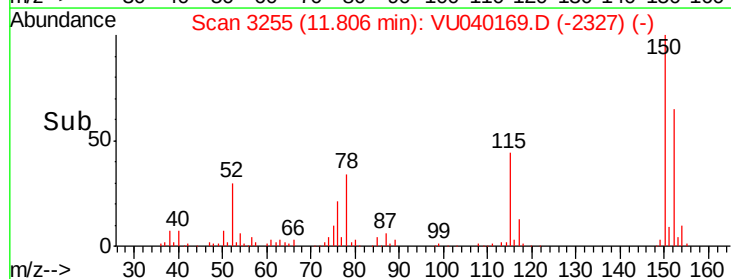
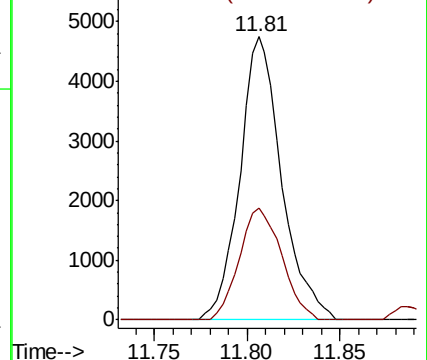
75 100

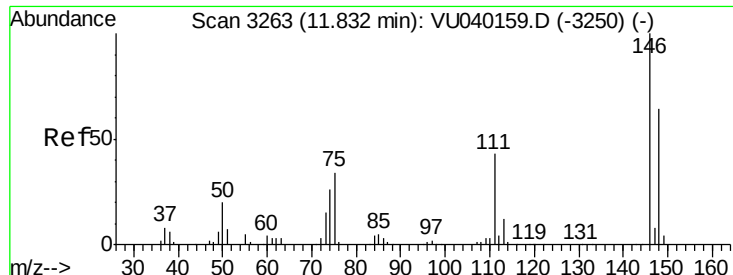
77 40.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

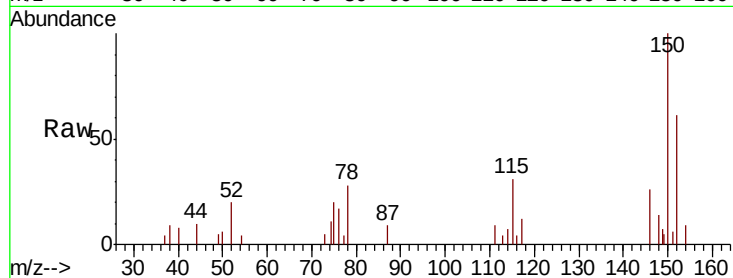




#63
 1,4-Dichlorobenzene
 Concen: 0.052 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU040169.D
 Acq: 17 Sep 2020 00:15

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P5

Tot Ion:146 Resp: 920
 Ion Ratio Lower Upper
 146 100
 111 36.3 30.5 56.7
 148 55.1 45.4 84.4



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

