

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040356.D
 Acq On : 29 Sep 2020 14:08
 Operator : SY/MD
 Sample : L4188-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0Q9

Quant Time: Sep 30 01:51:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 01:43:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	135402	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135491	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60490	5.00	ug/L	0.00

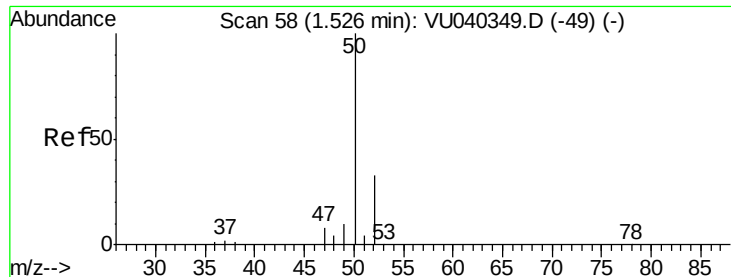
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27064	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.92	69	30217	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.58	63	47246	2.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.60%#
20) 2-Butanone-d5	4.65	46	172186	51.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.42%
24) Chloroform-d	5.09	84	113600	7.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	142.40%#
26) 1,2-Dichloroethane-d4	5.72	65	49279	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.74	84	139572	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.70	67	49729	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.91	98	109412	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.19	79	18121	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.64	63	123552	51.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48168	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	52103	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	1384	0.104	ug/L 90
13) Acetone	2.65	43	8582	3.093	ug/L 76
21) 2-Butanone	4.73	43	9109	2.045	ug/L 88
25) Chloroform	5.11	83	785967	35.210	ug/L 98
35) Methylcyclohexane	6.70	83	11605	0.656	ug/L # 13
37) 1,2-Dichloropropane	6.70	63	6102	0.482	ug/L # 88
38) Bromodichloromethane	7.11	83	346764	22.199	ug/L 98
39) cis-1,3-Dichloropropene	7.58	75	1348	0.079	ug/L # 27
44) trans-1,3-Dichloropropene	8.19	75	1783	0.114	ug/L 99
49) Dibromochloromethane	8.81	129	108392	10.507	ug/L 94
59) 1,2,3-Trichloropropane	11.81	75	8480	0.925	ug/L # 87
61) Bromoform	10.29	173	5700	1.140	ug/L 97

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



#3

Chloromethane

Concen: 0.104 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040356.D

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Instrument :

MSVOA_U

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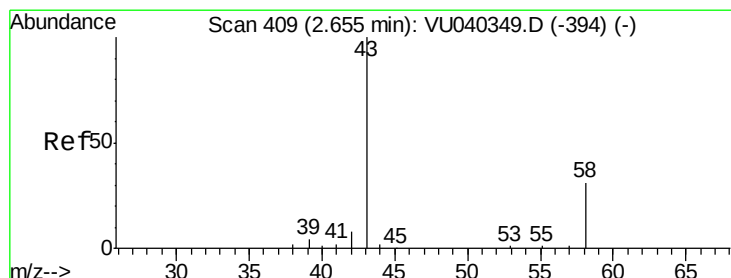
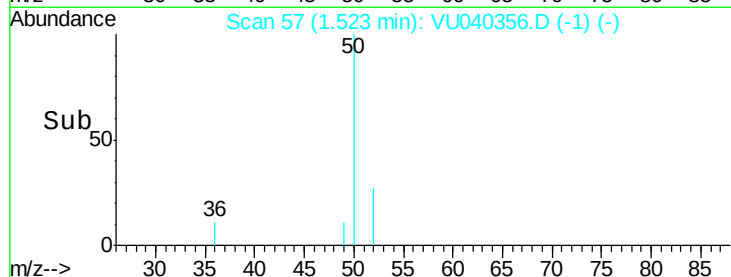
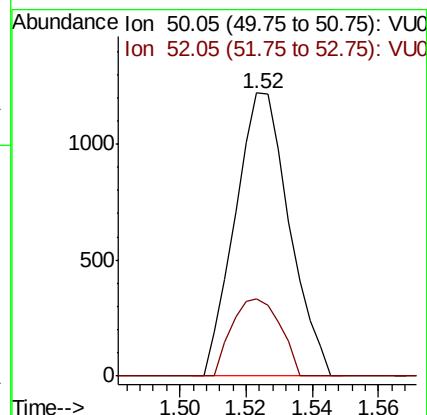
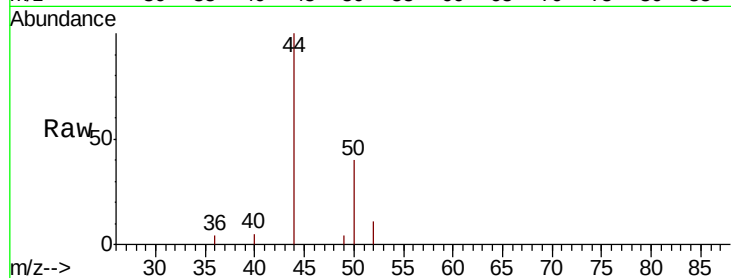
BG0Q9

Tot Ion: 50 Resp: 1384

Ion Ratio Lower Upper

50 100

52 27.3 23.0 42.6



#13

Acetone

Concen: 3.093 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU040356.D

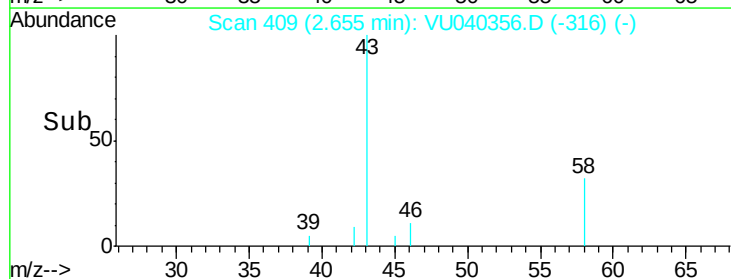
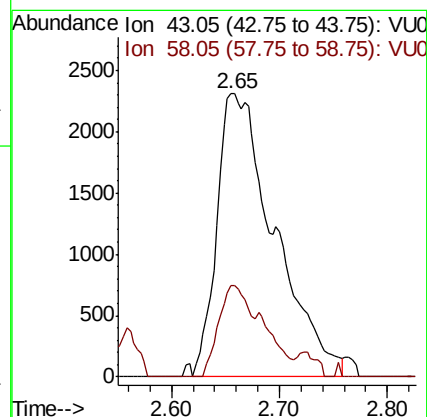
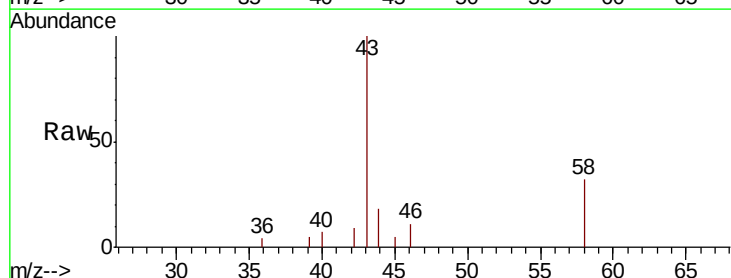
Acq: 29 Sep 2020 14:08

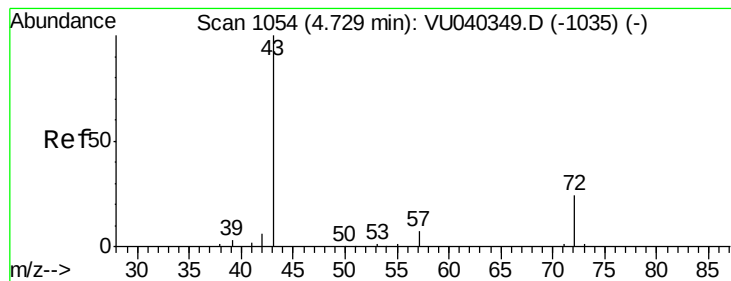
Tgt Ion: 43 Resp: 8582

Ion Ratio Lower Upper

43 100

58 17.5 0.0 61.8





#21

2-Butanone

Concen: 2.045 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040356.D

Acq: 29 Sep 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

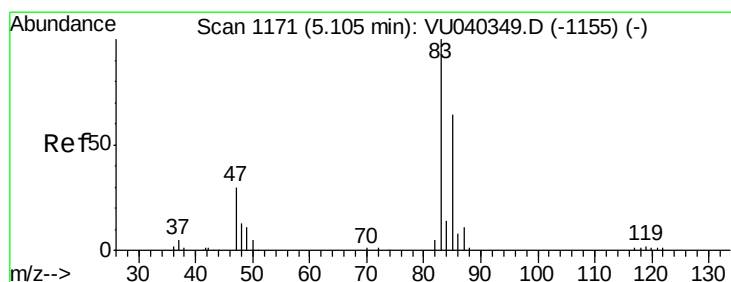
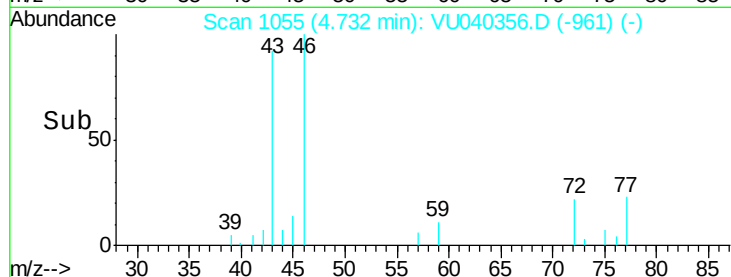
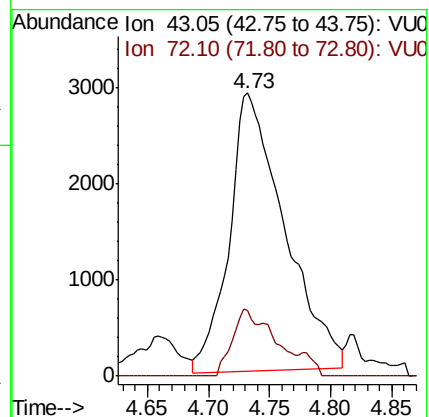
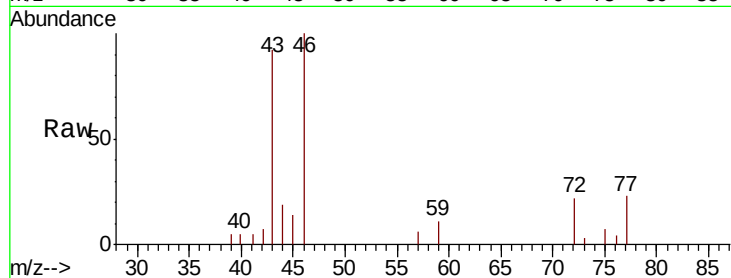
BG0Q9

Tot Ion: 43 Resp: 9109

Ion Ratio Lower Upper

43 100

72 18.1 12.0 36.1



#25

Chloroform

Concen: 35.210 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040356.D

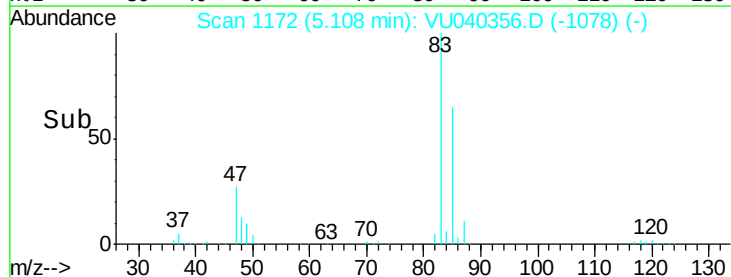
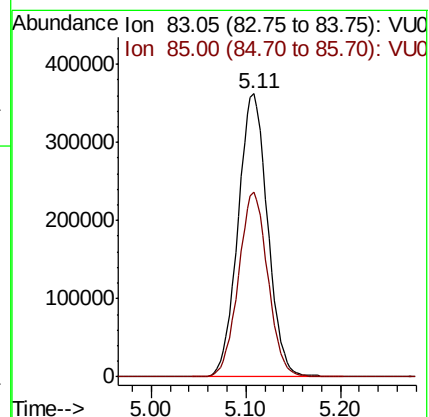
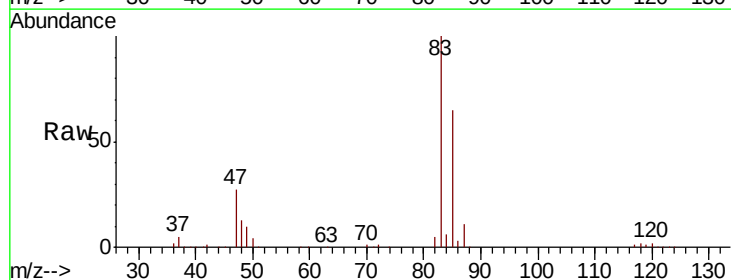
Acq: 29 Sep 2020 14:08

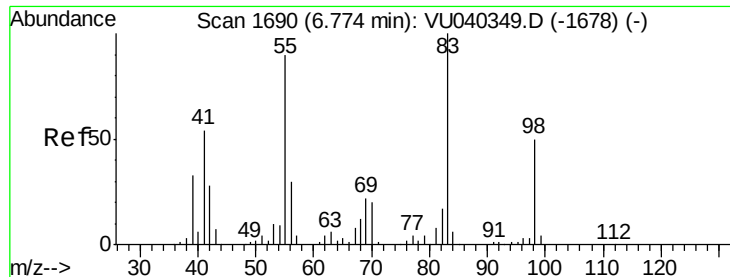
Tgt Ion: 83 Resp: 785967

Ion Ratio Lower Upper

83 100

85 65.3 44.6 82.8

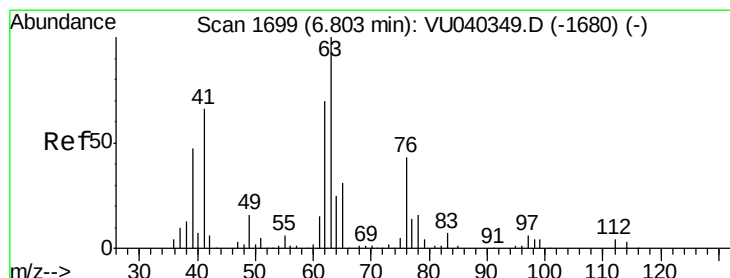
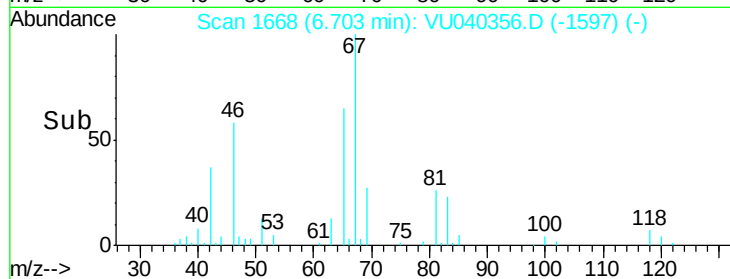
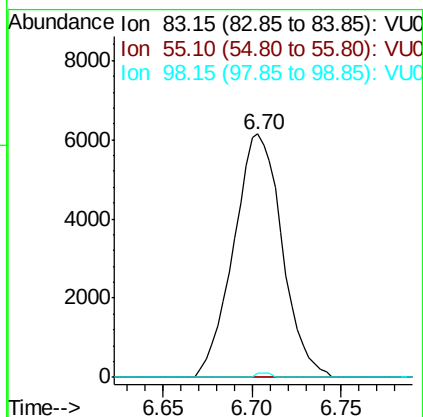
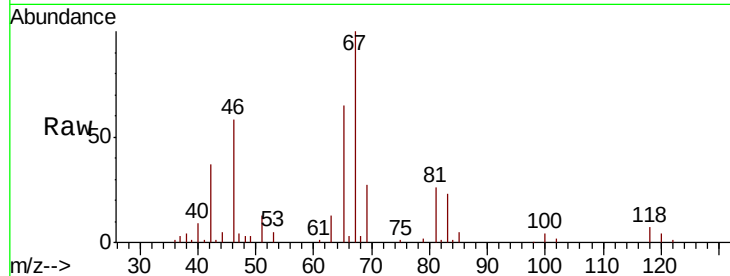




#35
Methylvlcyclohexane
Concen: 0.656 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040356.D
Acq: 29 Sep 2020 14:08

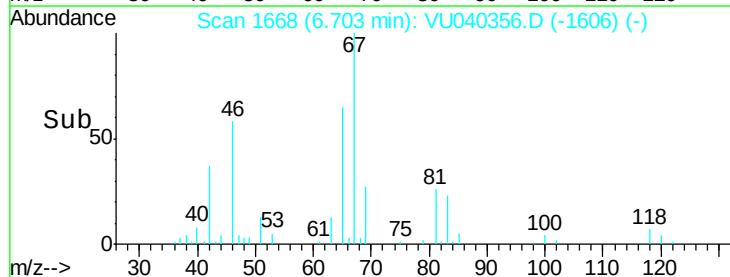
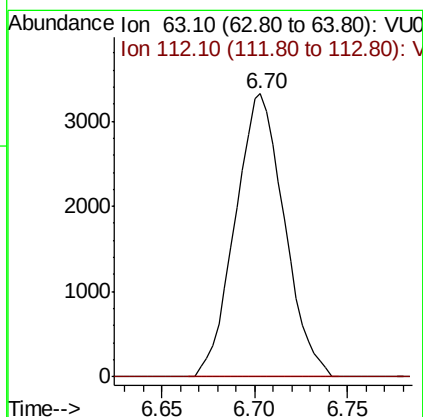
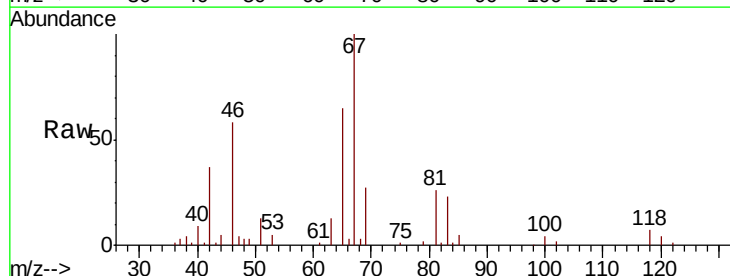
Instrument :
MSVOA_U
ClientSampleId :
BG0Q9

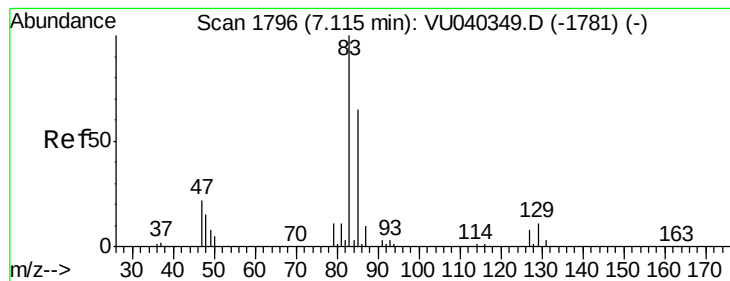
Tot Ion: 83 Resp: 11605
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.6 38.5 57.7#



#37
1,2-Dichloropropane
Concen: 0.482 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040356.D
Acq: 29 Sep 2020 14:08

Tgt Ion: 63 Resp: 6102
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#38

Bromodichloromethane

Concen: 22.199 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040356.D

Acq: 29 Sep 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

BG0Q9

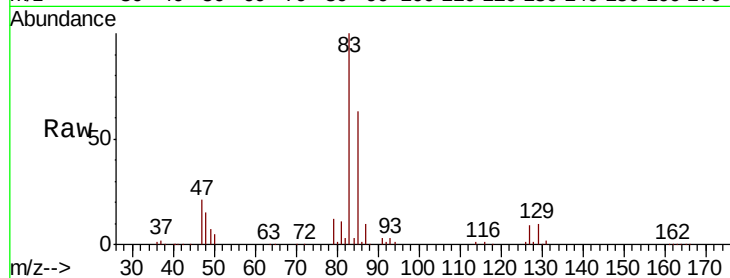
Tot Ion: 83 Resp: 346764

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.9

127 8.5 6.6 9.8

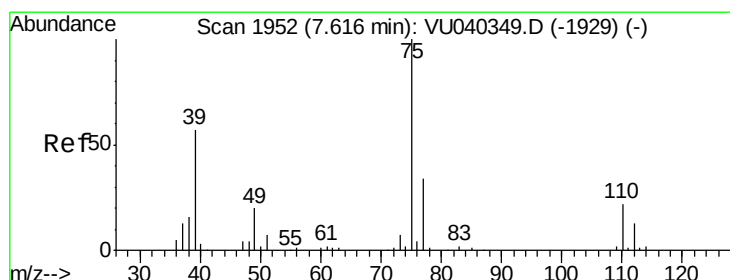
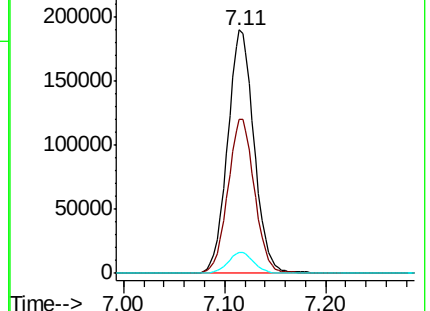
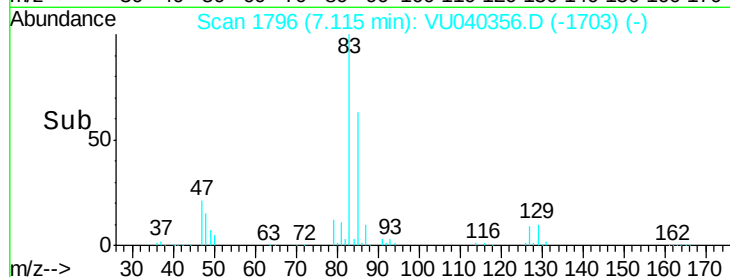


Abundance Ion 82.95 (82.65 to 83.65): VU040356.D (-1703) (-)

Ion 85.00 (84.70 to 85.70): VU040356.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU040356.D (-1703) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040356.D

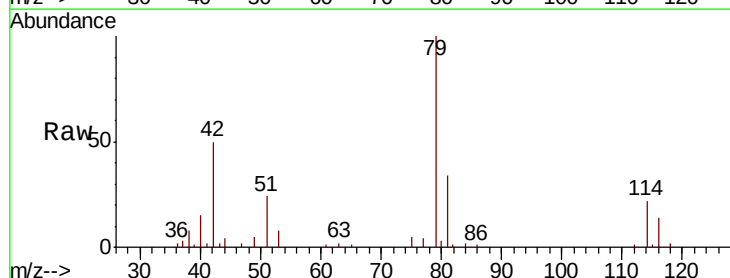
Acq: 29 Sep 2020 14:08

Tgt Ion: 75 Resp: 1348

Ion Ratio Lower Upper

75 100

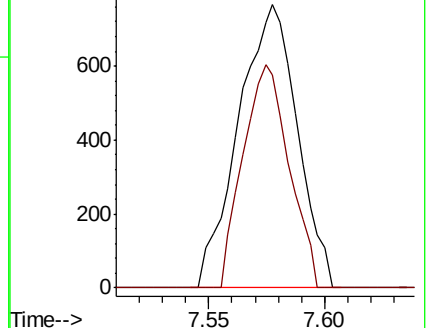
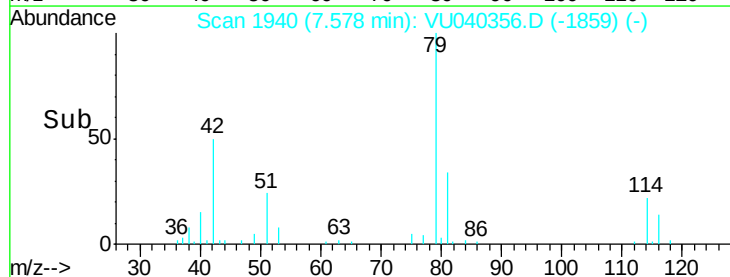
77 75.2 23.5 43.7#

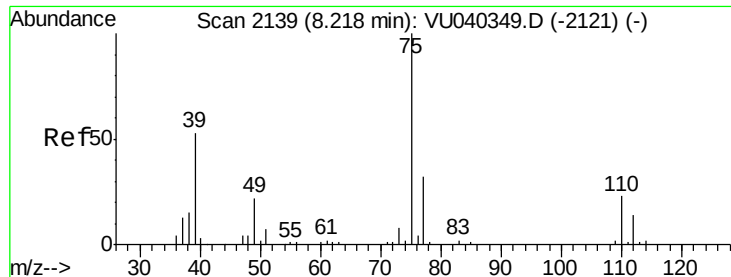


Abundance Ion 75.05 (74.75 to 75.75): VU040356.D (-1859) (-)

Ion 77.05 (76.75 to 77.75): VU040356.D (-1859) (-)

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040356.D

Acq: 29 Sep 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

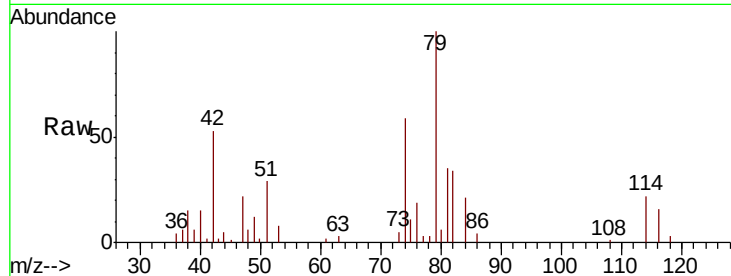
BG0Q9

Tot Ion: 75 Resp: 1783

Ion Ratio Lower Upper

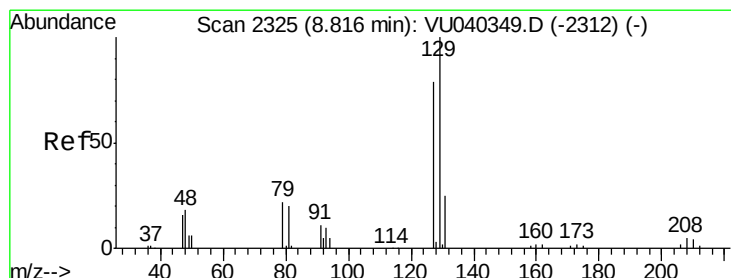
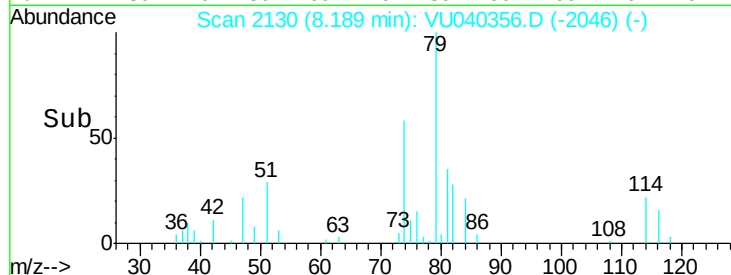
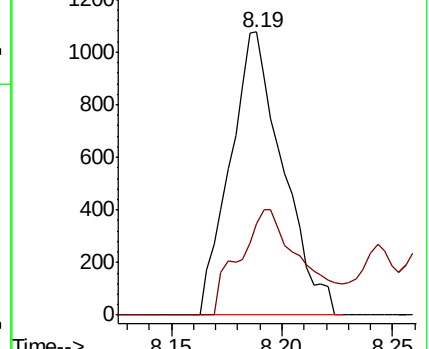
75 100

77 32.4 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040349.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040349.D (-2121) (-)



#49

Dibromochloromethane

Concen: 10.507 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040356.D

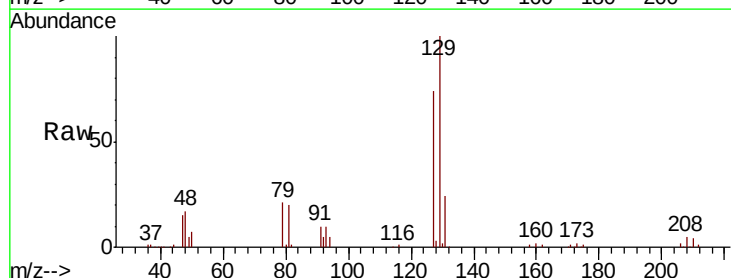
Acq: 29 Sep 2020 14:08

Tgt Ion: 129 Resp: 108392

Ion Ratio Lower Upper

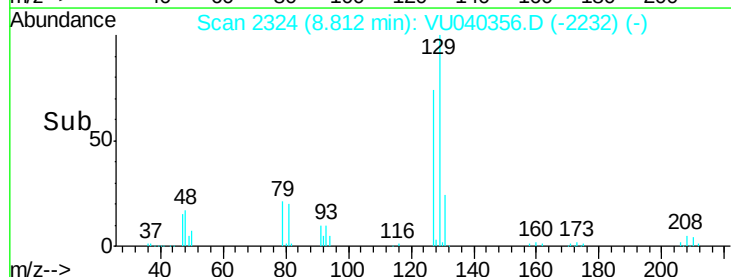
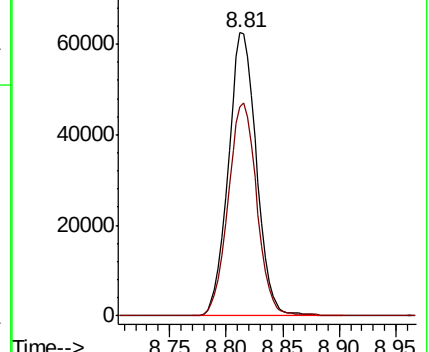
129 100

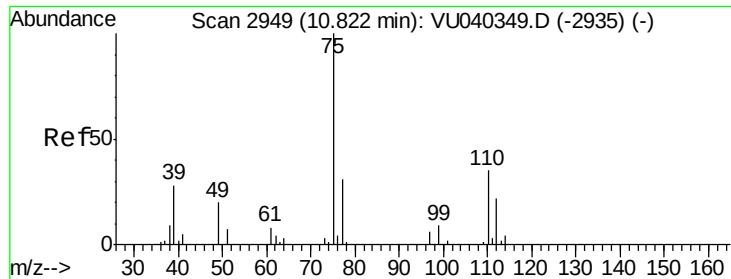
127 74.1 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040349.D (-2312) (-)

Ion 126.90 (126.60 to 127.60): VU040349.D (-2312) (-)





#59

1,2,3-Trichloropropane

Concen: 0.925 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040356.D

Acq: 29 Sep 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

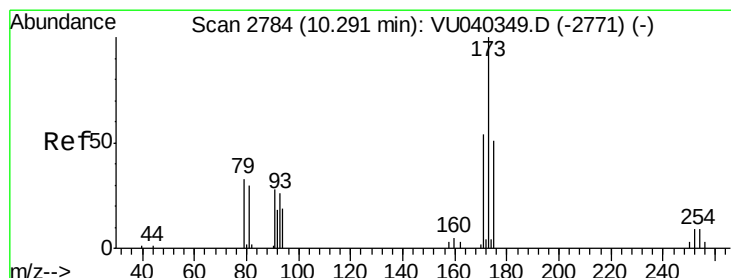
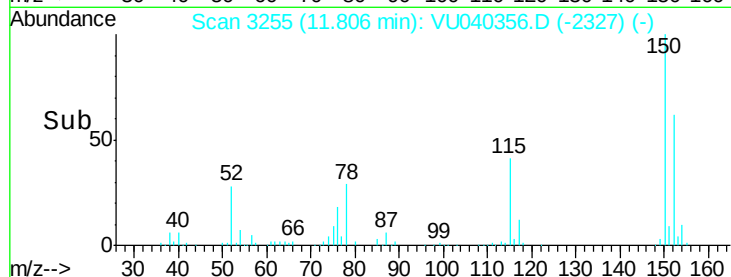
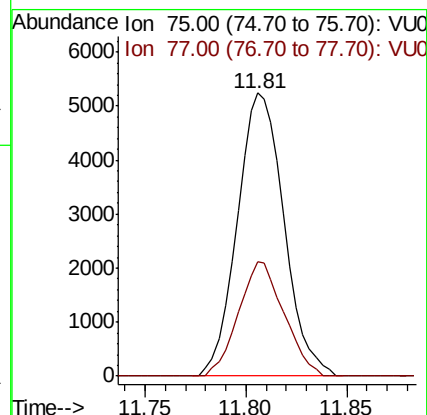
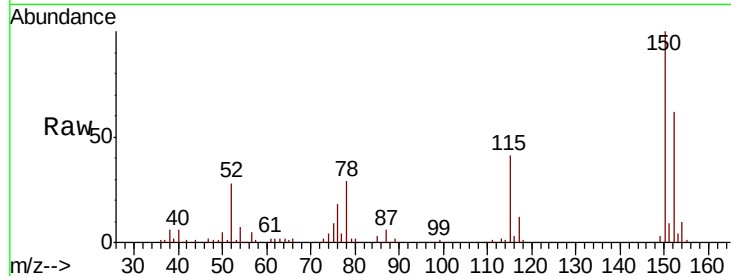
BG0Q9

Tot Ion: 75 Resp: 8480

Ion Ratio Lower Upper

75 100

77 39.3 25.7 38.5#



#61

Bromoform

Concen: 1.140 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU040356.D

Acq: 29 Sep 2020 14:08

Tgt Ion: 173 Resp: 5700

Ion Ratio Lower Upper

173 100

175 47.4 39.6 59.4

254 8.2 7.0 10.4

