

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082720\
 Data File : VU039993.D
 Acq On : 27 Aug 2020 15:50
 Operator : SY/MD
 Sample : L3821-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AB5

Quant Time: Aug 28 01:14:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 28 01:12:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	85774	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	83088	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41356	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26712	3.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.40%
7) Chloroethane-d5	1.92	69	24408	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.80%
11) 1,1-Dichloroethene-d2	2.58	63	42994	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	4.66	46	102214	42.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.38%
24) Chloroform-d	5.08	84	62196	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.72	65	36082	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.74	84	105063	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.70	67	35322	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	7.90	98	93600	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.18	79	14650	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.64	63	73303	42.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29404	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	40360	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	2096	0.208 ug/L	97
8) Chloroethane	1.94	64	643	0.105 ug/L #	42
13) Acetone	2.67	43	7414	4.532 ug/L	77
14) Carbon disulfide	2.81	76	2373	0.098 ug/L #	87
15) Methyl Acetate	2.97	43	917	0.218 ug/L #	56
16) Methylene chloride	3.06	84	2486	0.241 ug/L	95
25) Chloroform	5.11	83	8797	0.601 ug/L	100
33) Benzene	5.79	78	2720	0.090 ug/L	100
35) Methylcyclohexane	6.70	83	8366	0.697 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	4454	0.555 ug/L #	85
39) cis-1,3-Dichloropropene	7.57	75	1173	0.105 ug/L #	49
42) Toluene	7.97	91	2773	0.090 ug/L	95
47) Tetrachloroethene	8.56	164	3512	0.607 ug/L	95
49) Dibromochloromethane	8.56	129	3127	0.430 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	5858	1.019 ug/L #	84

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QLast Update : Fri Aug 28 01:12:06 2020
Response via : Initial Calibration

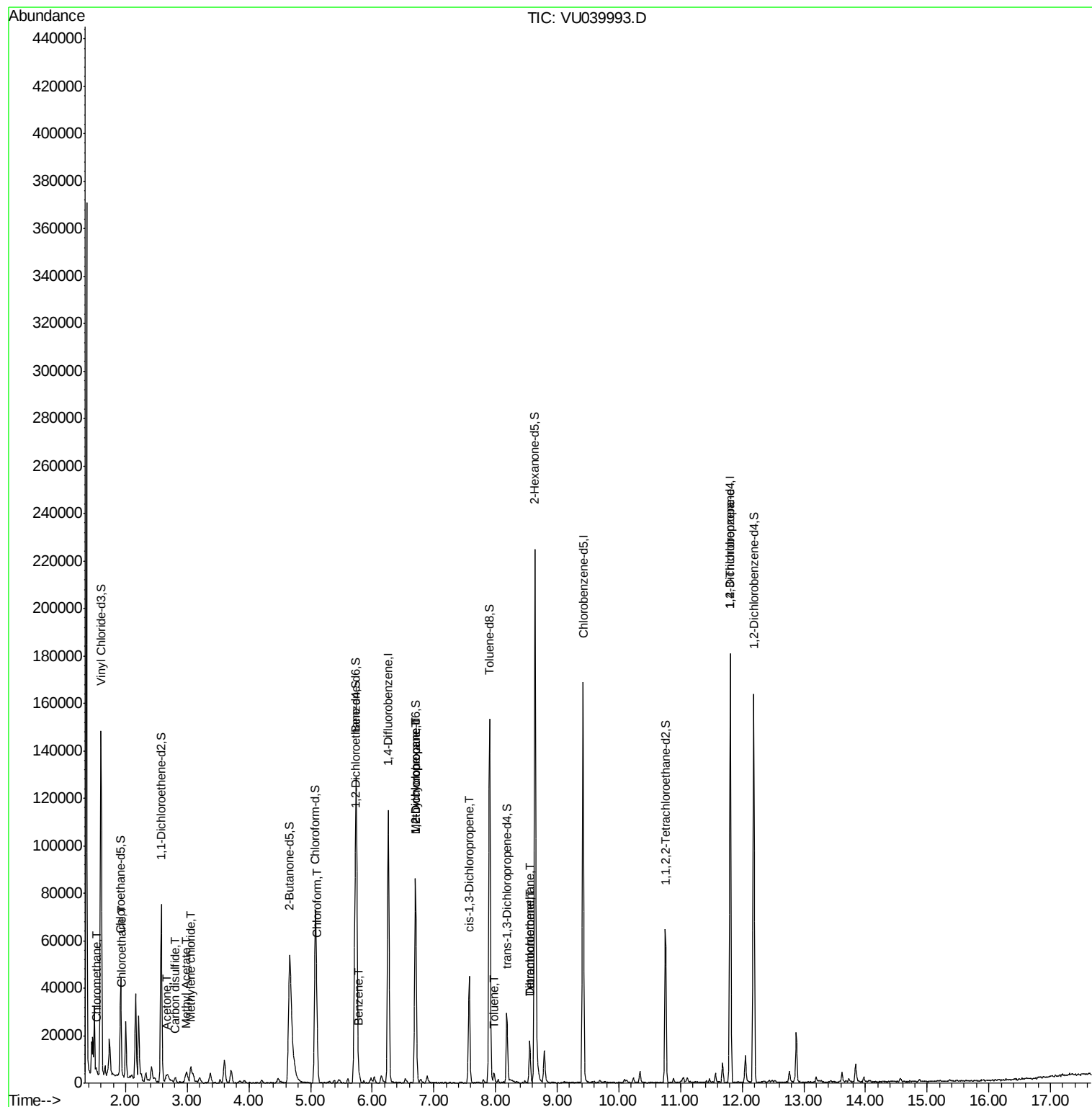
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

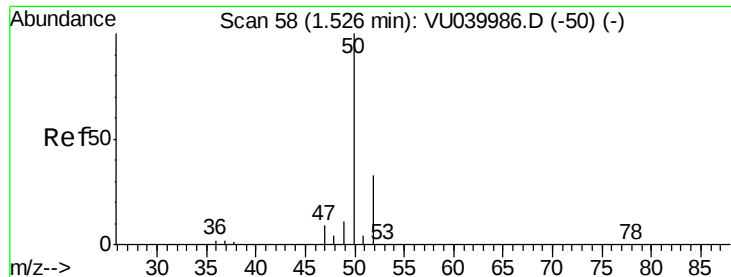
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.208 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039993.D

Acq: 27 Aug 2020 15:50

Instrument :

MSVOA_U

ClientSampleId :

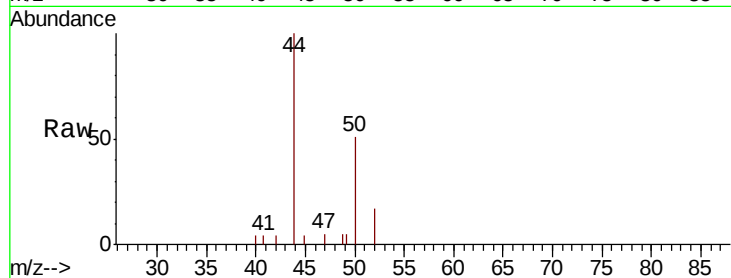
H0AB5

Tot Ion: 50 Resp: 2096

Ion Ratio Lower Upper

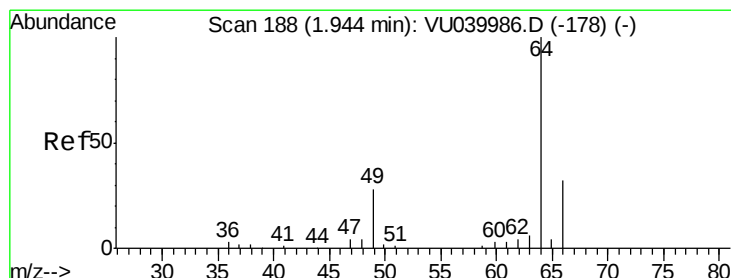
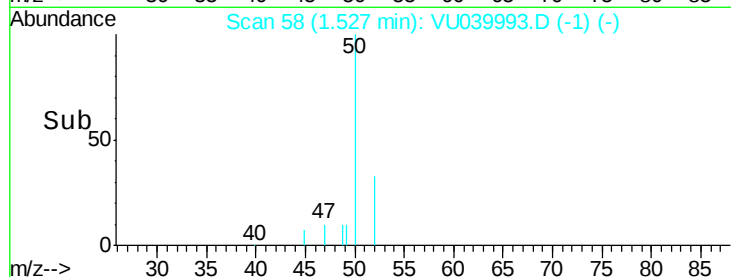
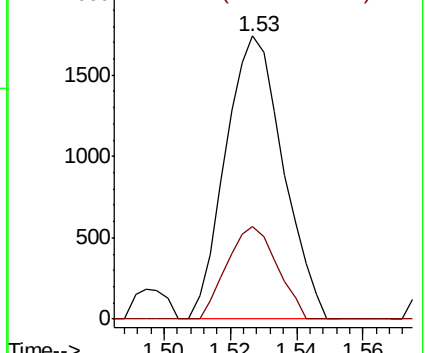
50 100

52 32.7 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039993.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039993.D (-1) (-)



#8

Chloroethane

Concen: 0.105 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039993.D

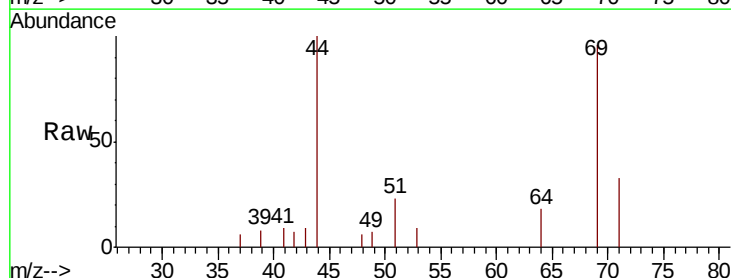
Acq: 27 Aug 2020 15:50

Tgt Ion: 64 Resp: 643

Ion Ratio Lower Upper

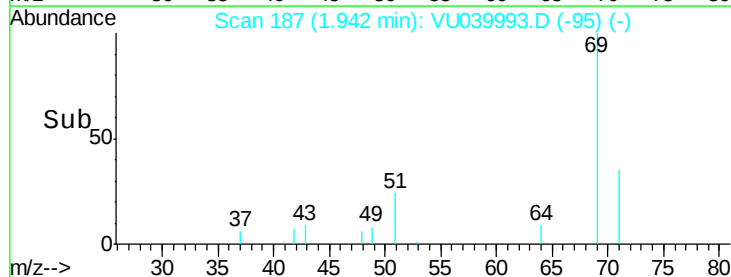
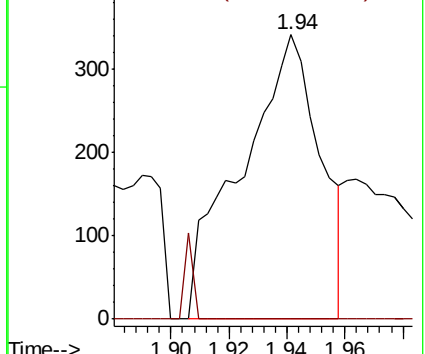
64 100

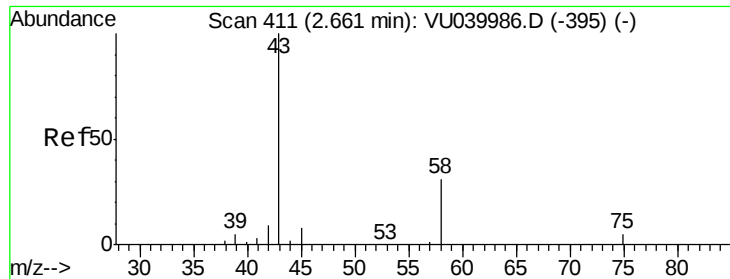
66 0.0 22.6 42.0#



Abundance Ion 64.10 (63.80 to 64.80): VU039993.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU039993.D (-95) (-)





#13

Acetone

Concen: 4.532 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU039993.D

Acq: 27 Aug 2020 15:50

Instrument :

MSVOA_U

ClientSampleId :

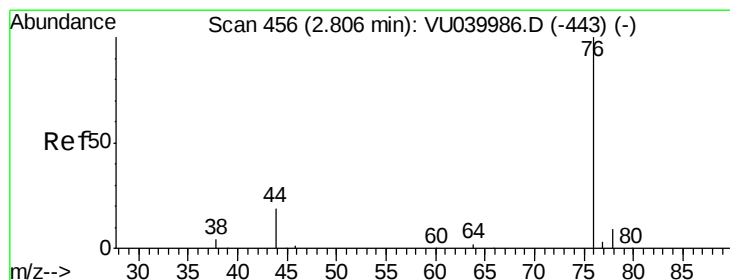
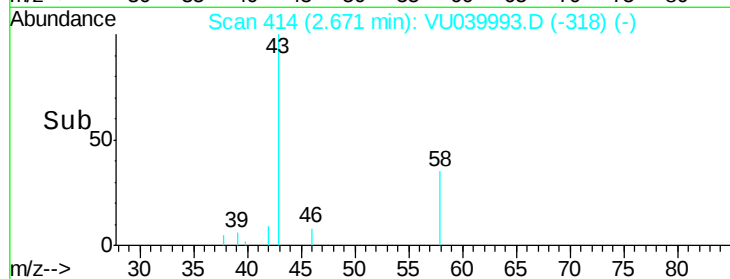
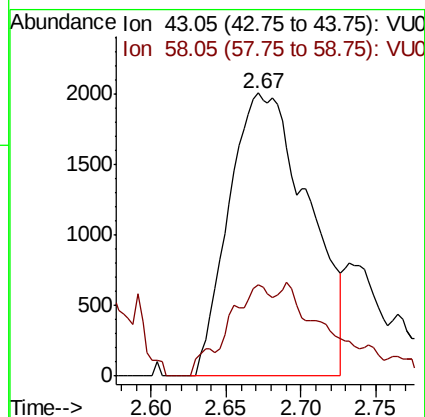
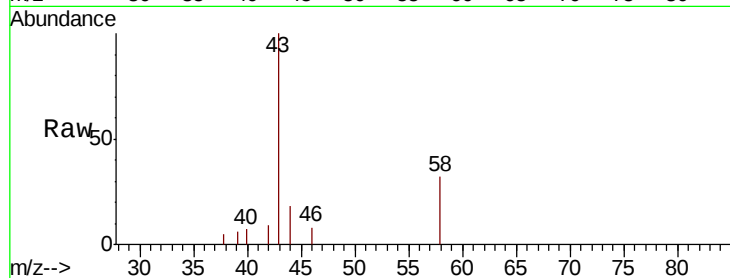
H0AB5

Tot Ion: 43 Resp: 7414

Ion Ratio Lower Upper

43 100

58 17.8 0.0 19.0



#14

Carbon disulfide

Concen: 0.098 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039993.D

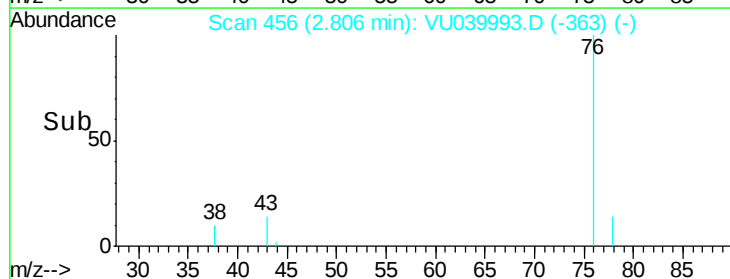
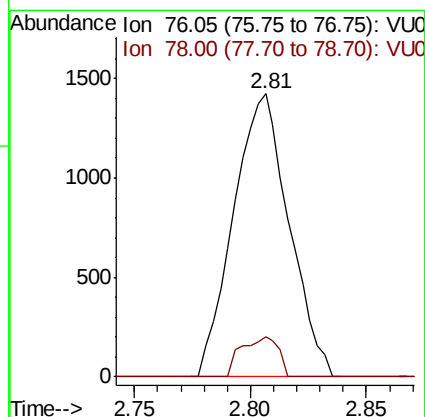
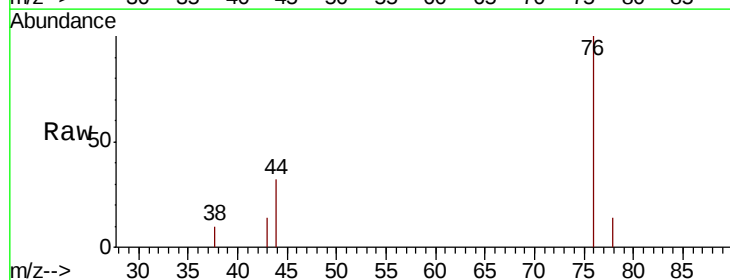
Acq: 27 Aug 2020 15:50

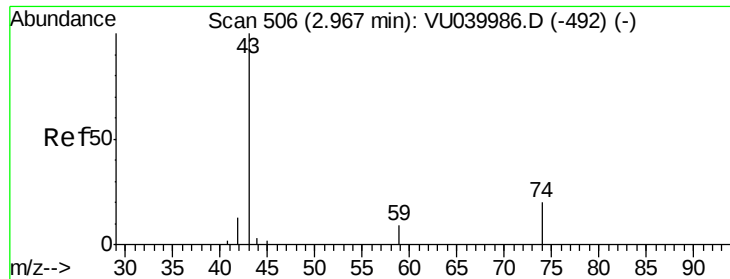
Tgt Ion: 76 Resp: 2373

Ion Ratio Lower Upper

76 100

78 14.1 7.4 11.0#

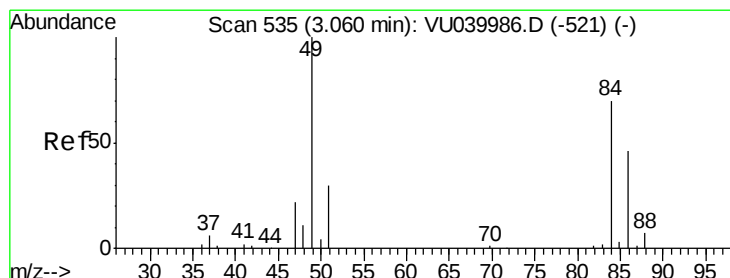
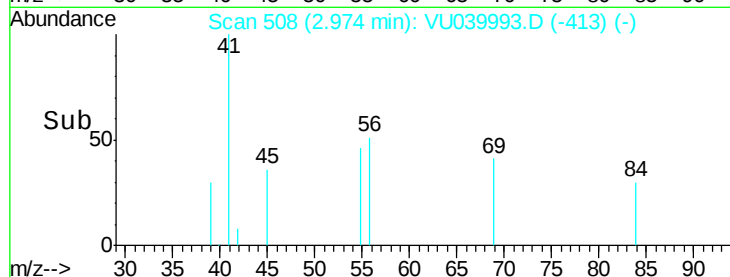
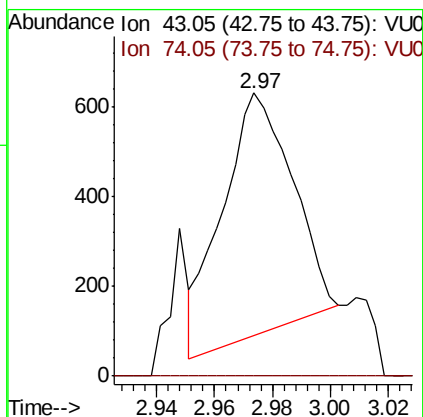
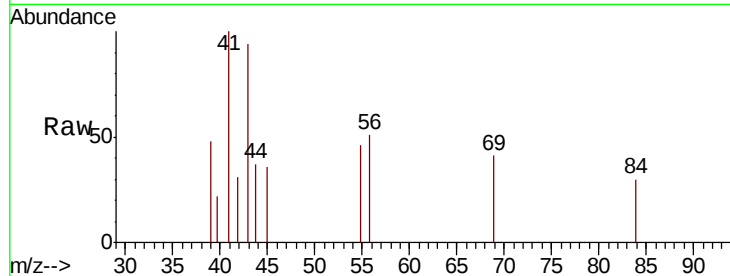




#15
Methyl Acetate
Concen: 0.218 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU039993.D
Acq: 27 Aug 2020 15:50

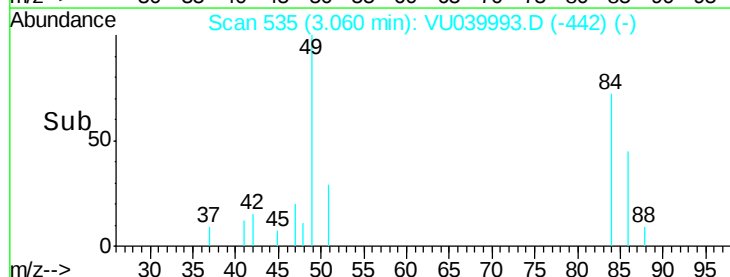
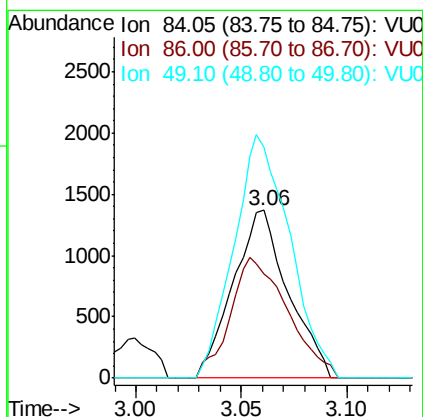
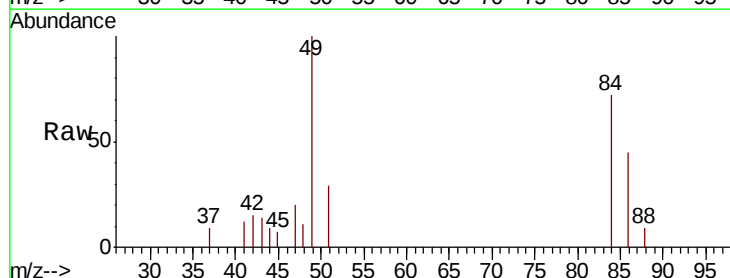
Instrument :
MSVOA_U
ClientSampleId :
H0AB5

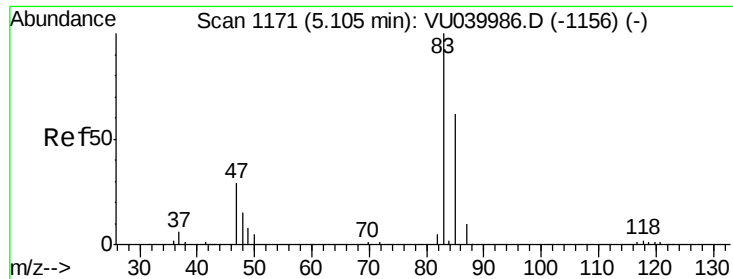
Tot Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#16
Methylene chloride
Concen: 0.241 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039993.D
Acq: 27 Aug 2020 15:50

Tgt Ion: 84 Resp: 2486
Ion Ratio Lower Upper
84 100
86 62.0 47.2 87.6
49 138.0 99.8 185.4





#25

Chloroform

Concen: 0.601 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039993.D

Acq: 27 Aug 2020 15:50

Instrument :

MSVOA_U

ClientSampleId :

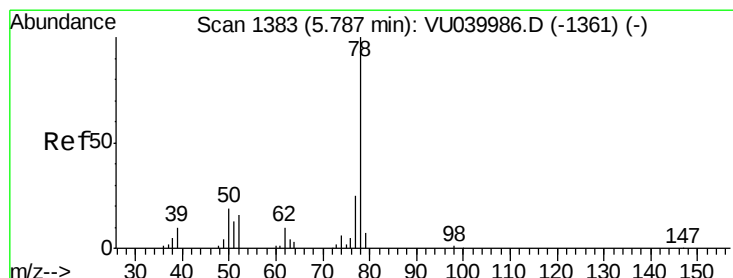
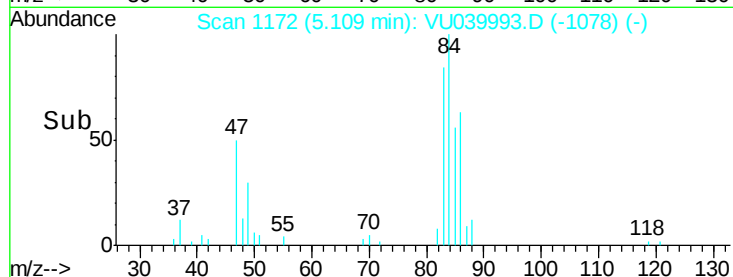
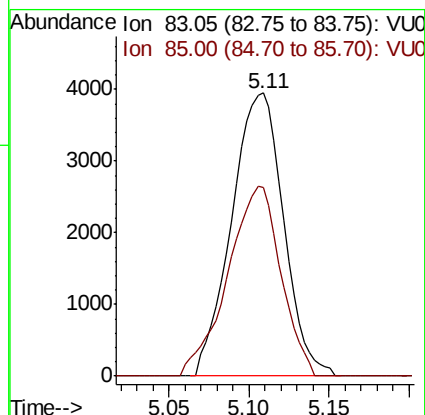
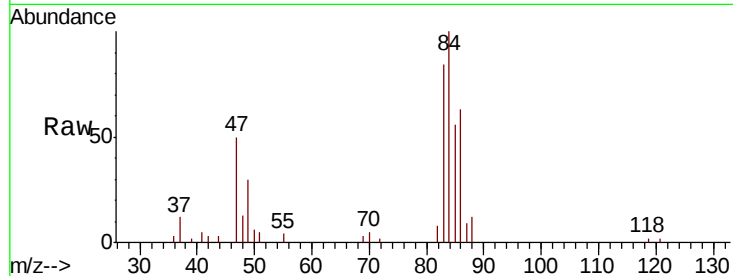
H0AB5

Tot Ion: 83 Resp: 8797

Ion Ratio Lower Upper

83 100

85 66.6 46.4 86.2



#33

Benzene

Concen: 0.090 ug/L

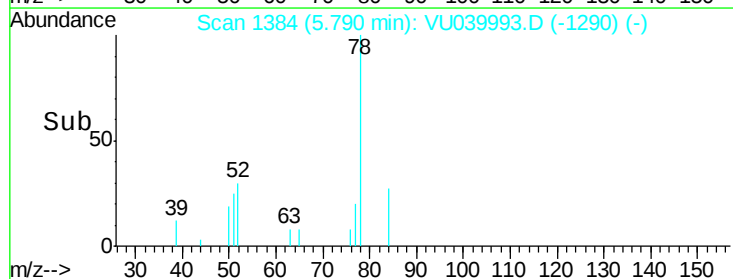
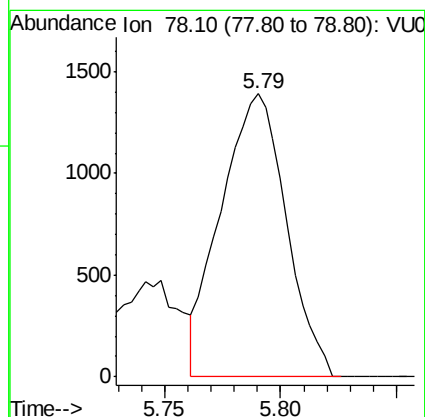
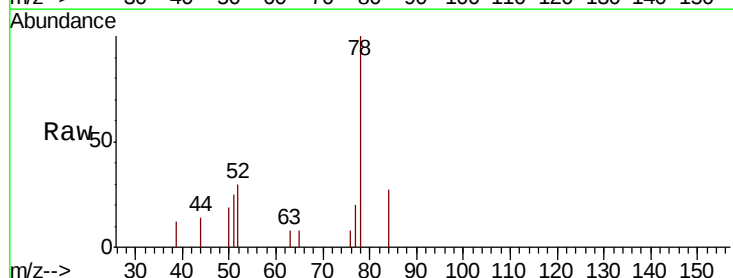
RT: 5.79 min Scan# 1384

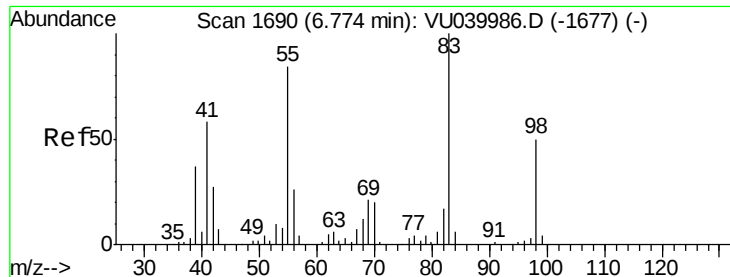
Delta R.T. 0.00 min

Lab File: VU039993.D

Acq: 27 Aug 2020 15:50

Tgt Ion: 78 Resp: 2720

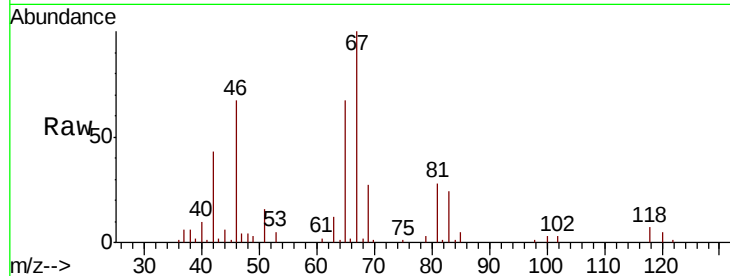




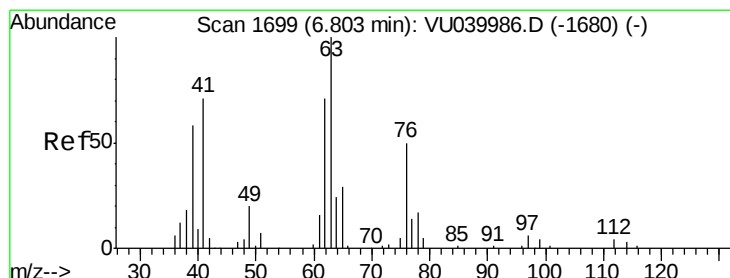
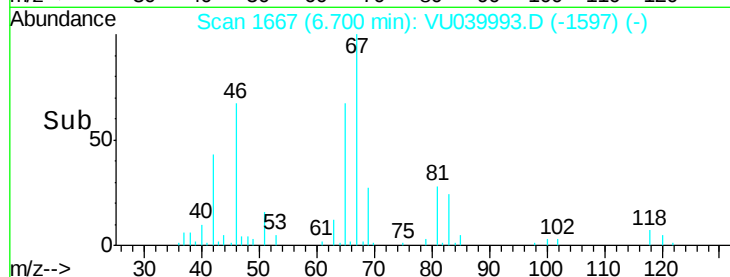
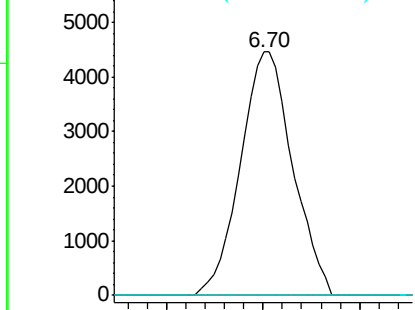
#35
Methvlcvclohexane
Concen: 0.697 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU039993.D
Acq: 27 Aug 2020 15:50

Instrument :
MSVOA_U
ClientSampleId :
H0AB5

Tot Ion	Ratio	Lower	Upper
83	100		
55	1.2	64.1	96.1#
98	0.5	39.4	59.0#

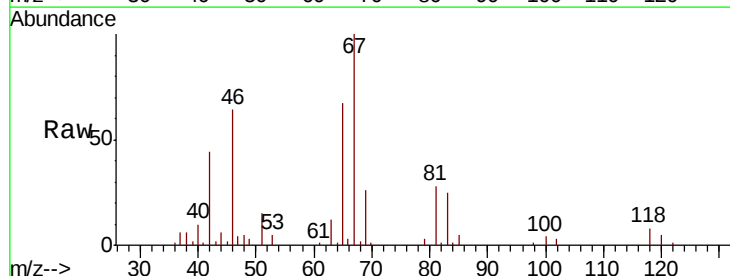


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

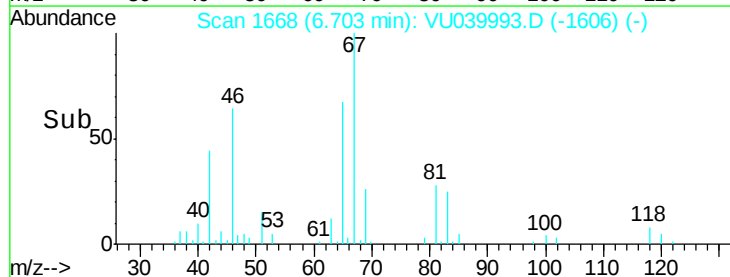
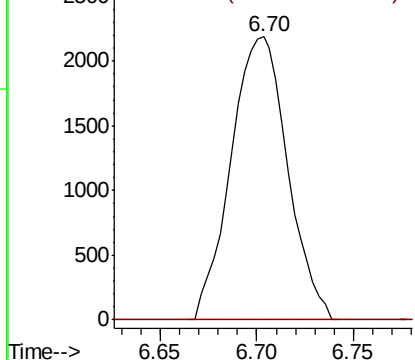


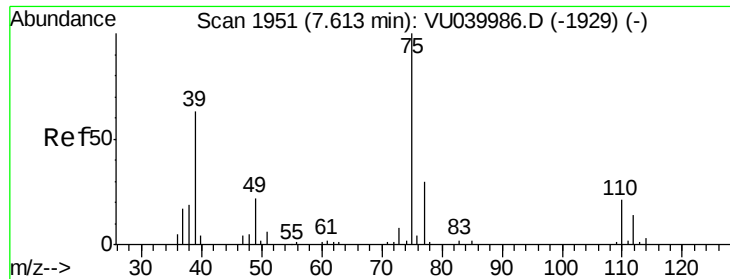
#37
1,2-Dichloropropane
Concen: 0.555 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039993.D
Acq: 27 Aug 2020 15:50

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.1	6.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

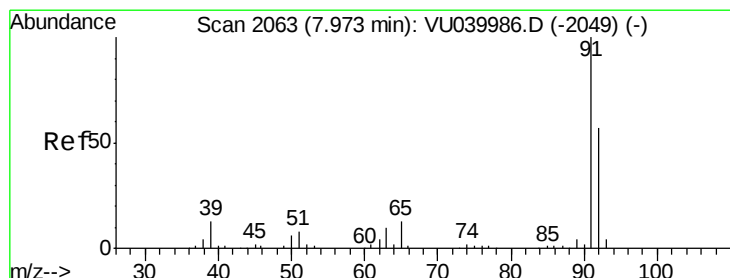
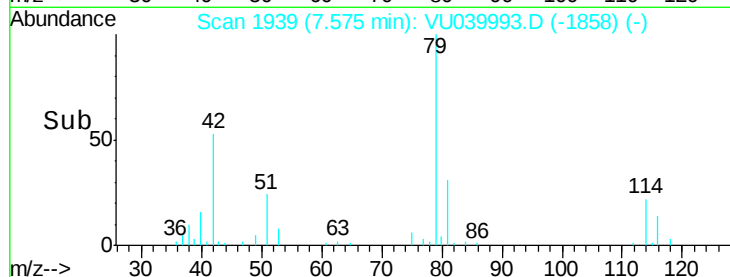
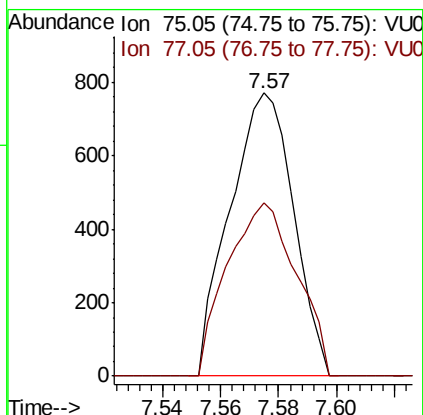
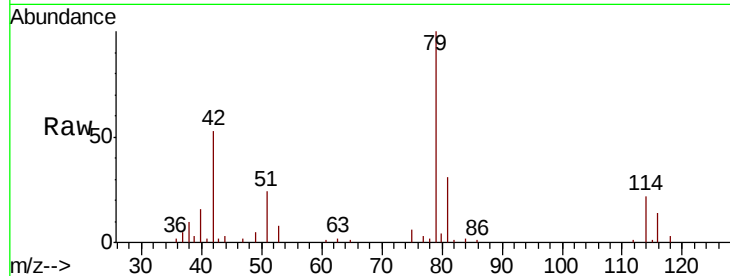




#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039993.D
 Acq: 27 Aug 2020 15:50

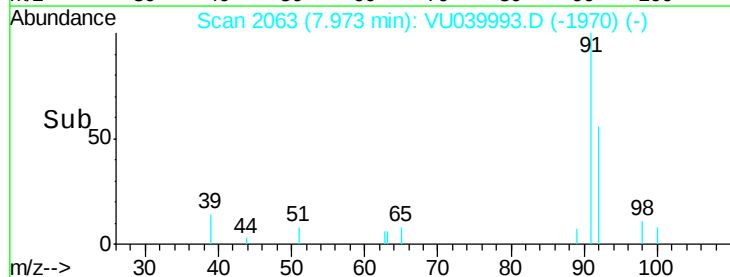
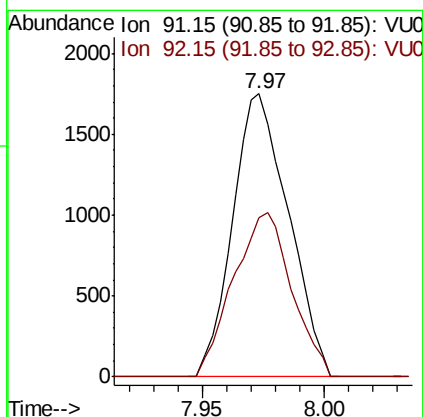
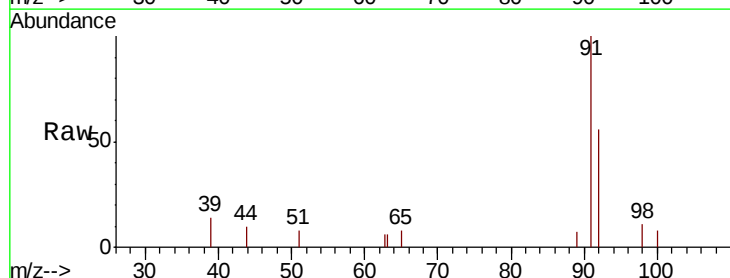
Instrument :
 MSVOA_U
 ClientSampleId :
 H0AB5

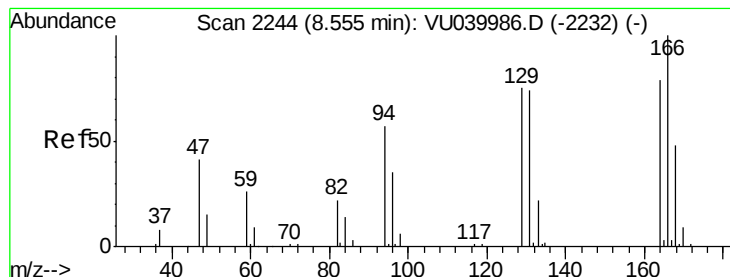
Tot Ion: 75 Resp: 1173
 Ion Ratio Lower Upper
 75 100
 77 61.1 22.6 42.0#



#42
 Toluene
 Concen: 0.090 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VU039993.D
 Acq: 27 Aug 2020 15:50

Tgt Ion: 91 Resp: 2773
 Ion Ratio Lower Upper
 91 100
 92 56.3 42.3 78.5





#47

Tetrachloroethene

Concen: 0.607 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU039993.D

Acq: 27 Aug 2020 15:50

Instrument :

MSVOA_U

ClientSampleId :

H0AB5

Tot Ion:164 Resp: 3512

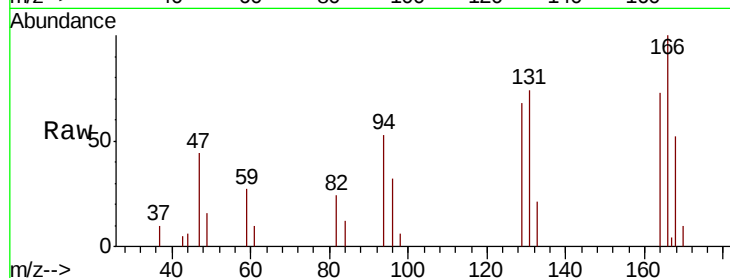
Ion Ratio Lower Upper

164 100

129 92.3 69.1 128.3

131 100.5 66.0 122.6

166 136.4 94.0 174.6

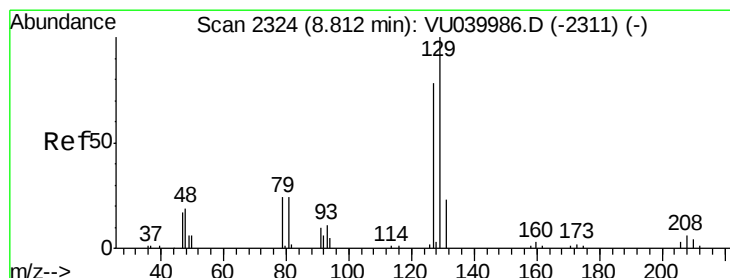
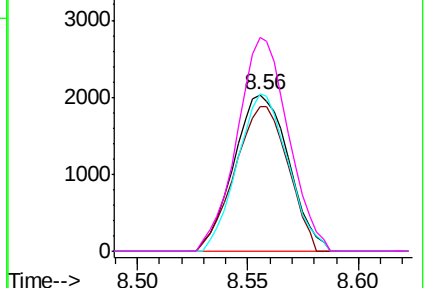
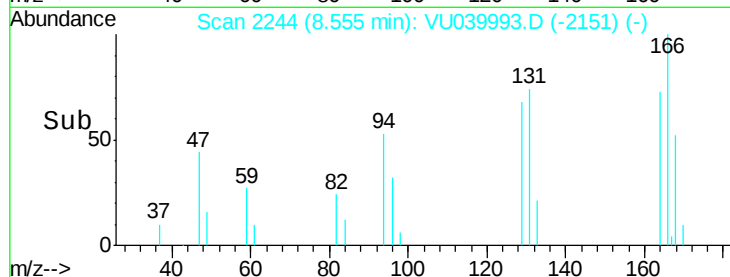


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.430 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU039993.D

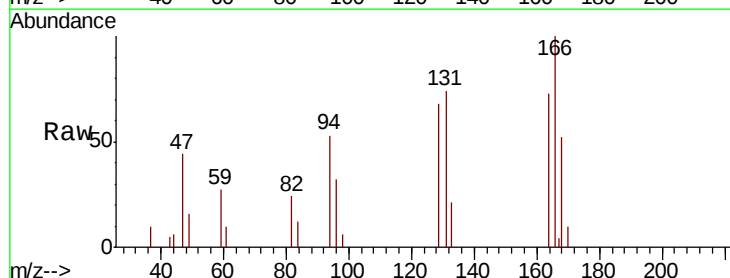
Acq: 27 Aug 2020 15:50

Tgt Ion:129 Resp: 3127

Ion Ratio Lower Upper

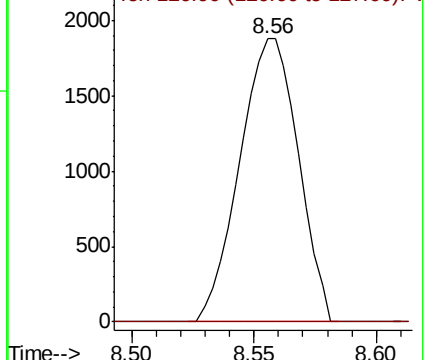
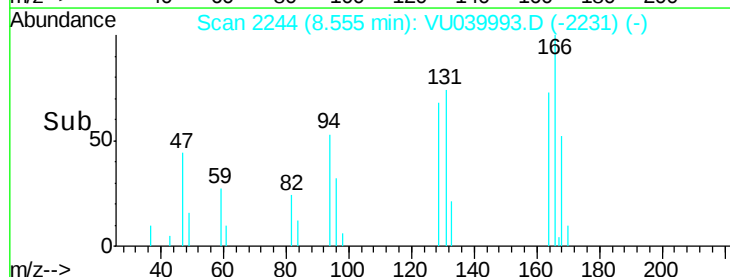
129 100

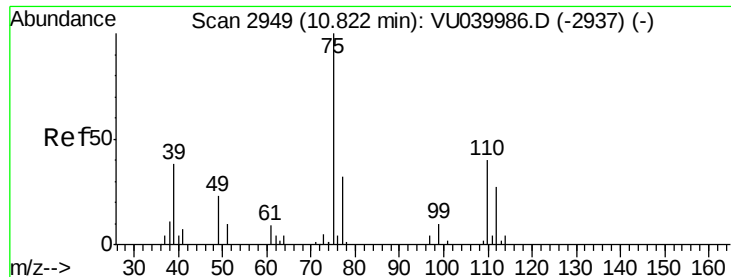
127 0.0 53.1 98.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.019 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039993.D

Acq: 27 Aug 2020 15:50

Instrument :

MSVOA_U

ClientSampleId :

H0AB5

Tot Ion: 75 Resp: 5858

Ion Ratio Lower Upper

75 100

77 43.6 27.4 41.2#

