

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039059.D
 Acq On : 24 Jun 2020 13:17
 Operator : SY/MD
 Sample : L3061-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ0

Quant Time: Jun 25 01:03:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	254655	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	258303	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	118812	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	110888	5.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.00%
7) Chloroethane-d5	1.93	69	93681	6.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.60%
11) 1,1-Dichloroethene-d2	2.59	63	160469	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.60%
20) 2-Butanone-d5	4.67	46	394499	58.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.24%
24) Chloroform-d	5.10	84	206643	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.80%
26) 1,2-Dichloroethane-d4	5.74	65	124668	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.76	84	410088	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
36) 1,2-Dichloropropane-d6	6.72	67	133315	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.80%
41) Toluene-d8	7.92	98	347048	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.80%
43) trans-1,3-Dichloropropene-	8.20	79	53393	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.66	63	306674	56.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.60%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	120155	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	124879	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	5700	0.230	ug/L #	1
8) Chloroethane	1.95	64	14958	1.003	ug/L #	63
12) 1,1-Dichloroethene	2.60	96	5440	0.308	ug/L #	1
13) Acetone	2.68	43	11813	2.585	ug/L	91
14) Carbon disulfide	2.82	76	40702	0.692	ug/L	98
16) Methylene chloride	3.08	84	1696	0.078	ug/L	89
18) trans-1,2-Dichloroethene	3.39	96	4989	0.264	ug/L	95
19) 1,1-Dichloroethane	3.91	63	143372	3.822	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	4250	0.209	ug/L	96
27) 1,2-Dichloroethane	5.83	62	4539	0.169	ug/L #	91
33) Benzene	5.81	78	103312	1.273	ug/L	100
35) Methylcyclohexane	6.72	83	31046	1.066	ug/L #	17
38) Bromodichloromethane	6.94	83	53226	1.942	ug/L #	30
39) cis-1,3-Dichloropropene	7.59	75	4040	0.133	ug/L #	66
40) 4-Methyl-2-pentanone	7.74	43	200869	12.240	ug/L #	46
48) 2-Hexanone	8.66	43	39889	3.316	ug/L #	70
51) Chlorobenzene	9.47	112	49130	0.969	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 25 01:01:17 2020
Response via : Initial Calibration

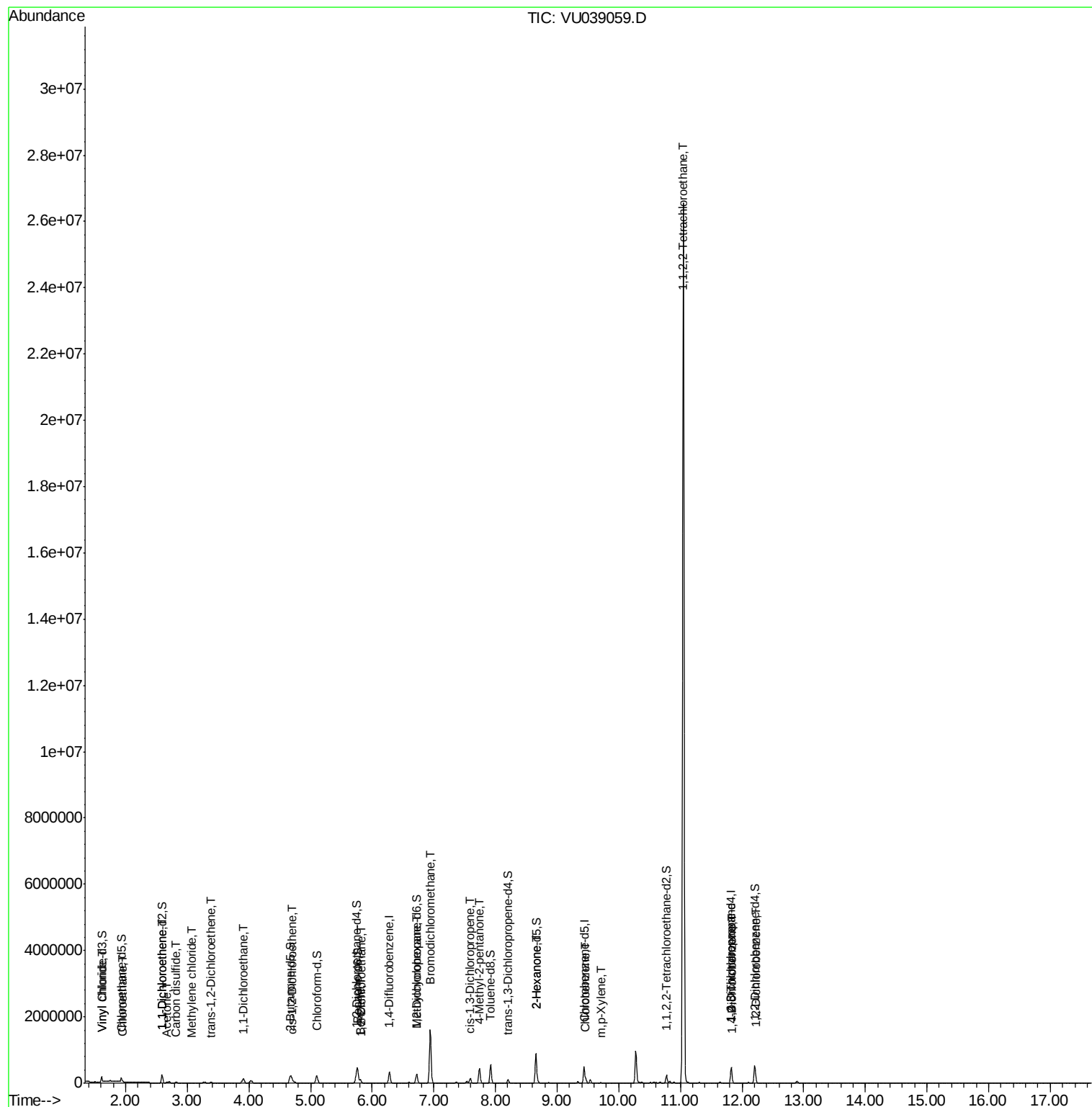
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.71	106	3660	0.118	ug/L	93
58) 1,1,2,2-Tetrachloroethane	11.05	83	297998	13.638	ug/L #	16
59) 1,2,3-Trichloropropane	11.83	75	17670	1.066	ug/L	91
63) 1,4-Dichlorobenzene	11.85	146	3747	0.103	ug/L	88
65) 1,2-Dichlorobenzene	12.23	146	26378	0.745	ug/L	93

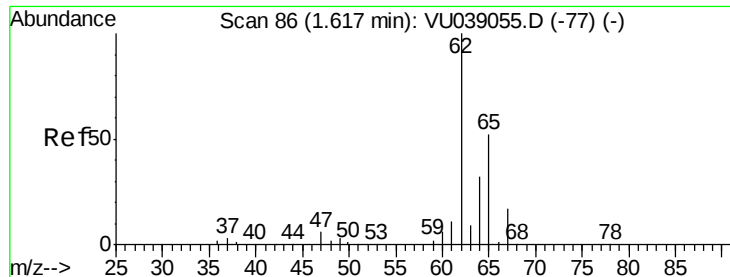
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QLast Update : Thu Jun 25 01:01:17 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.230 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039059.D

Acq: 24 Jun 2020 13:17

Instrument :

MSVOA_U

ClientSampleId :

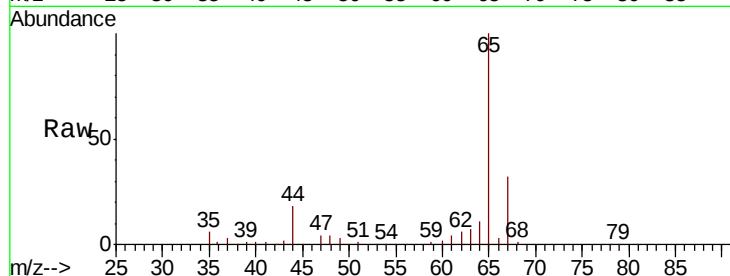
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Tot Ion: 62 Resp: 5700

Ion Ratio Lower Upper

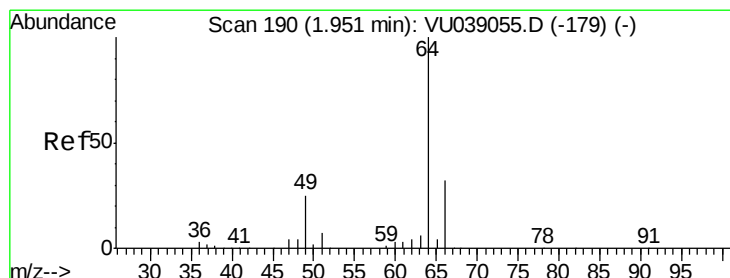
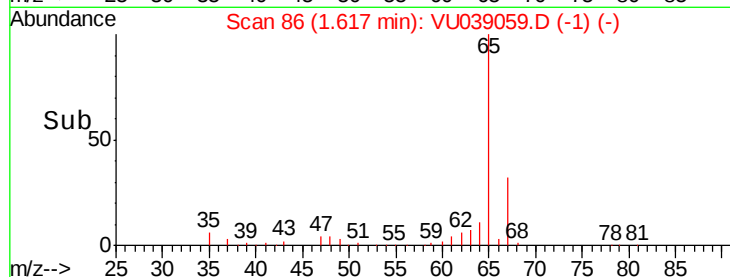
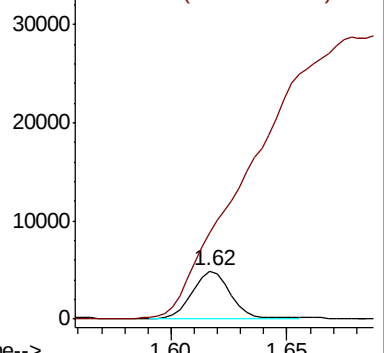
62 100

64 178.2 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VU039055.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU039059.D (-97) (-)



#8

Chloroethane

Concen: 1.003 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU039059.D

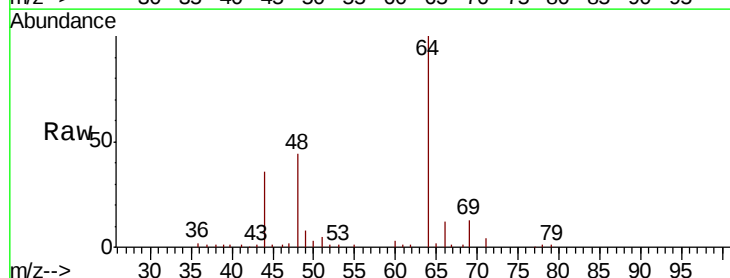
Acq: 24 Jun 2020 13:17

Tgt Ion: 64 Resp: 14958

Ion Ratio Lower Upper

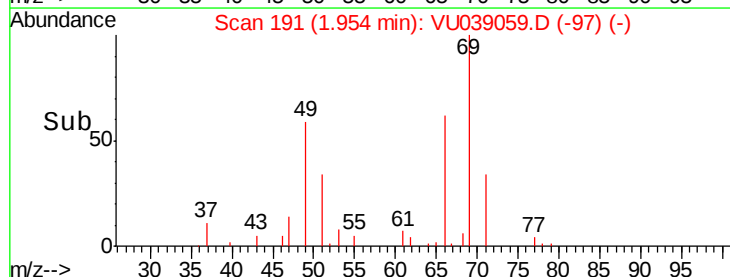
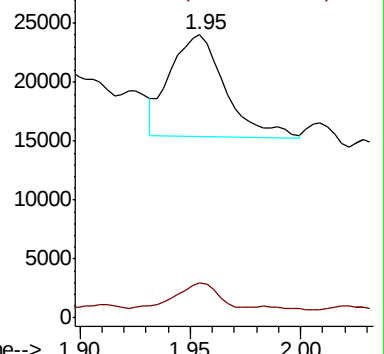
64 100

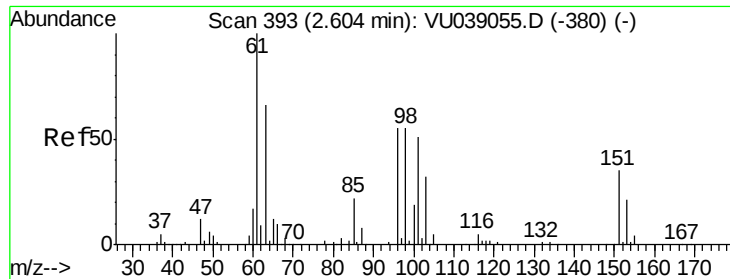
66 12.5 23.4 43.4#



Abundance Ion 64.10 (63.80 to 64.80): VU039055.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU039059.D (-97) (-)

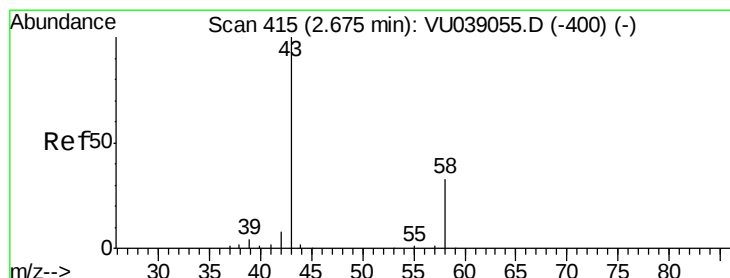
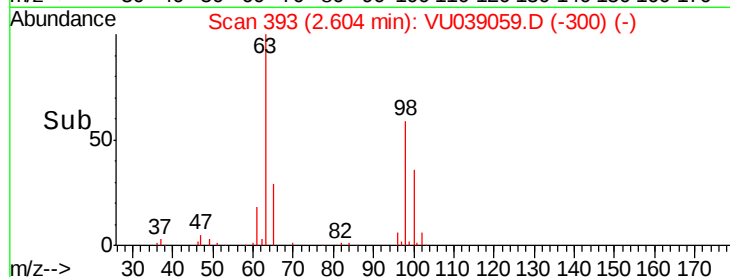
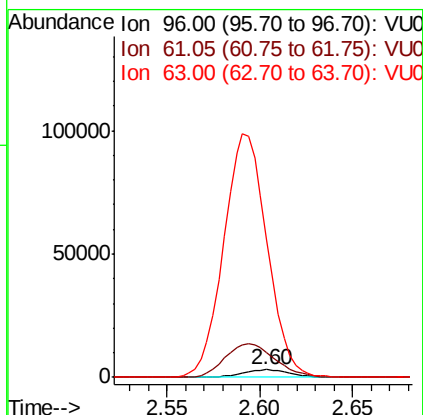
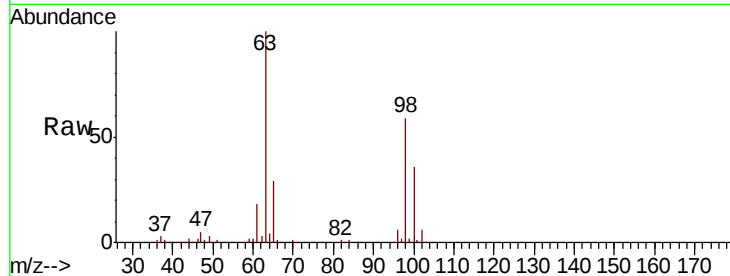




#12
 1,1-Dichloroethene
 Concen: 0.308 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU039059.D
 Acq: 24 Jun 2020 13:17

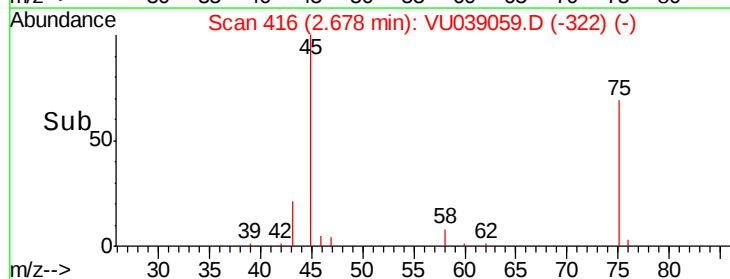
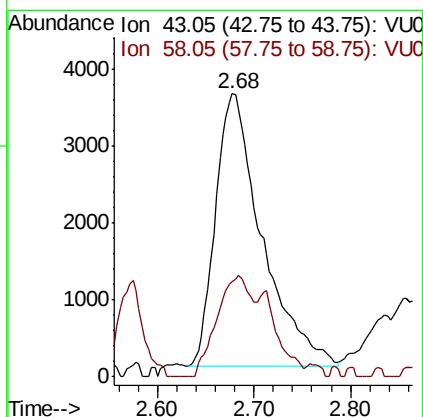
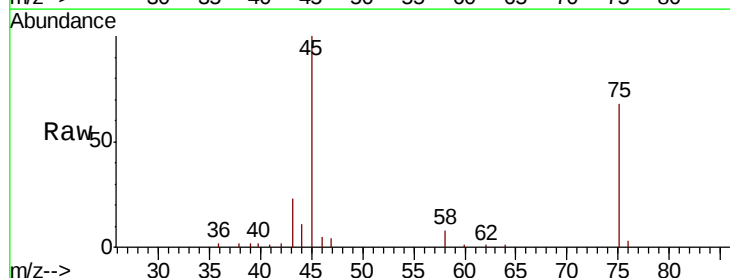
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ0

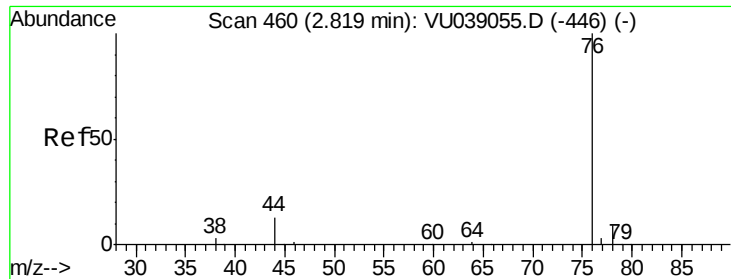
Tot Ion: 96 Resp: 5440
 Ion Ratio Lower Upper
 96 100
 61 315.9 125.1 232.3#
 63 1740.4 82.3 152.8#



#13
 Acetone
 Concen: 2.585 ug/L
 RT: 2.68 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VU039059.D
 Acq: 24 Jun 2020 13:17

Tgt Ion: 43 Resp: 11813
 Ion Ratio Lower Upper
 43 100
 58 27.3 0.0 64.4





#14

Carbon disulfide

Concen: 0.692 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039059.D

Acq: 24 Jun 2020 13:17

Instrument :

MSVOA_U

ClientSampled :

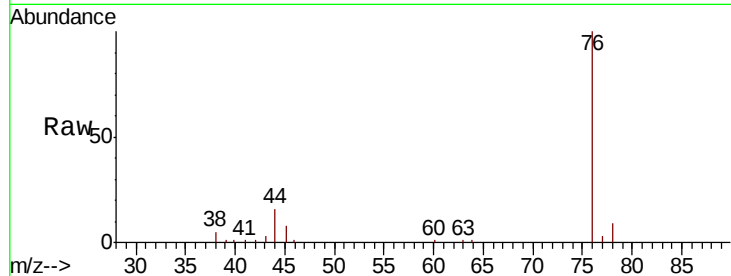
BFXJ0

Tot Ion: 76 Resp: 40702

Ion Ratio Lower Upper

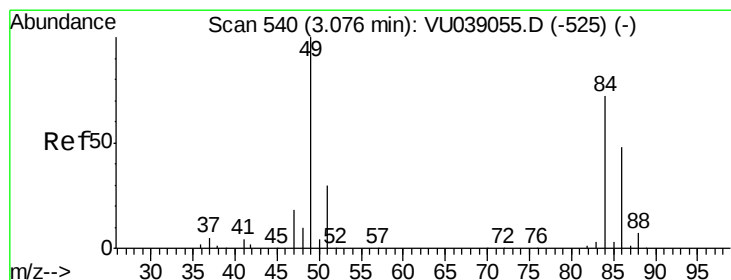
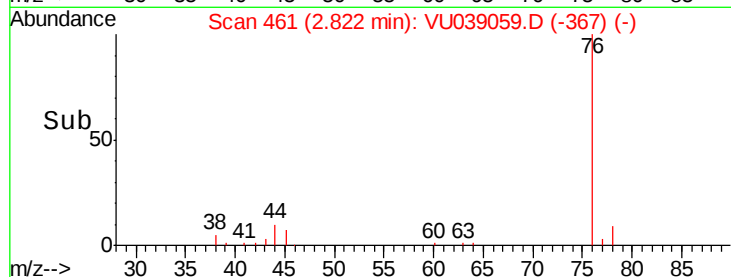
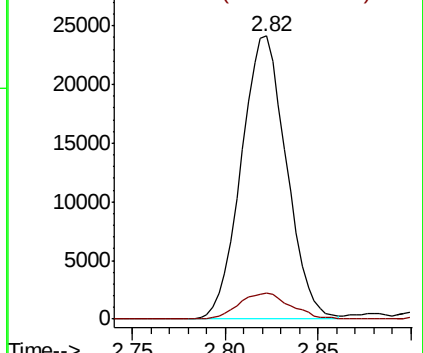
76 100

78 9.4 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039055.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU039055.D (-446) (-)



#16

Methylene chloride

Concen: 0.078 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU039059.D

Acq: 24 Jun 2020 13:17

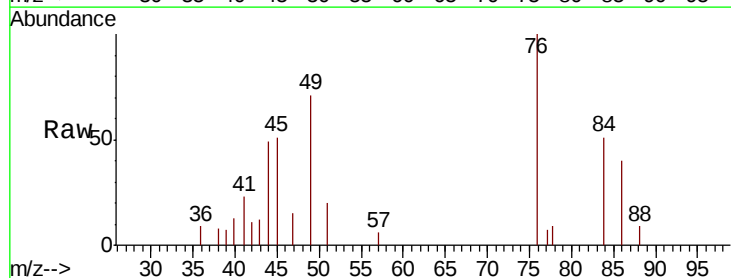
Tgt Ion: 84 Resp: 1696

Ion Ratio Lower Upper

84 100

86 79.6 44.1 81.9

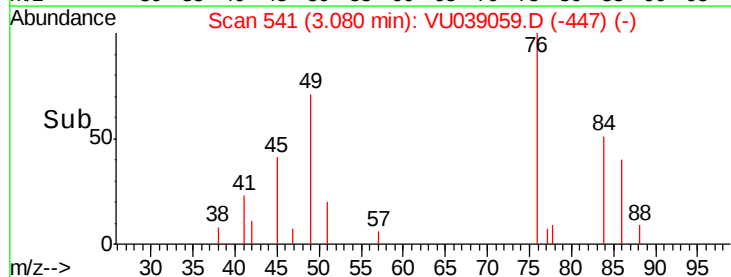
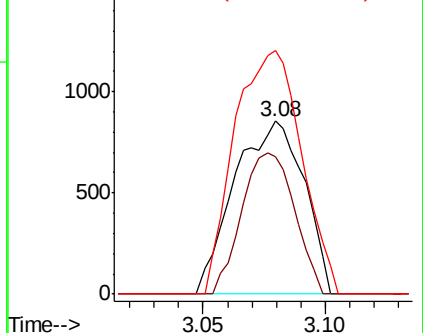
49 140.7 93.1 172.9

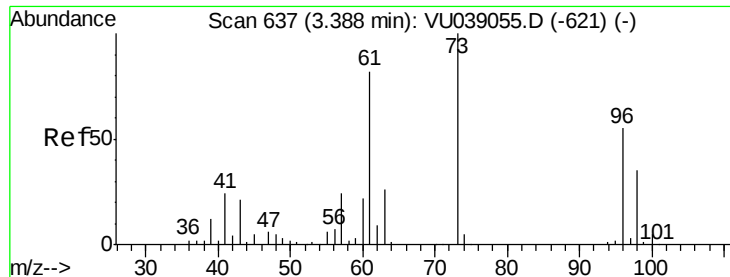


Abundance Ion 84.05 (83.75 to 84.75): VU039055.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU039055.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU039055.D (-525) (-)

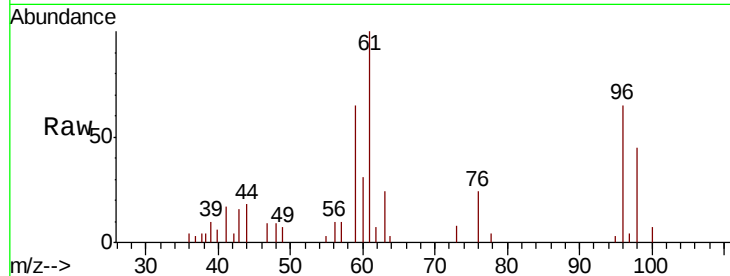




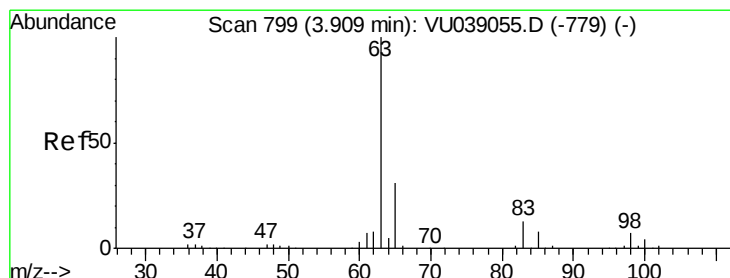
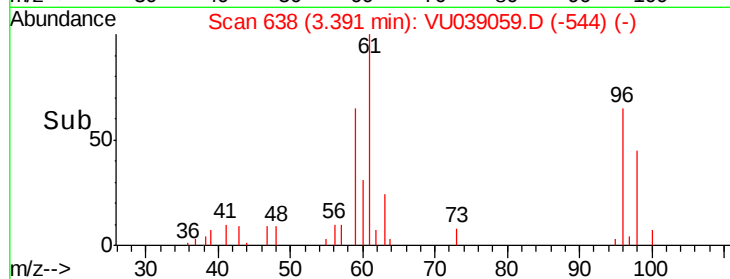
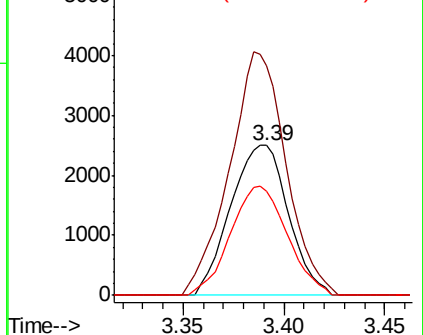
#18
trans-1,2-Dichloroethene
Concen: 0.264 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU039059.D
Acq: 24 Jun 2020 13:17

Instrument :
MSVOA_U
ClientSampled :
BFXJ0

Tot Ion: 96 Resp: 4989
Ion Ratio Lower Upper
96 100
61 152.7 103.5 192.3
98 69.5 44.9 83.5

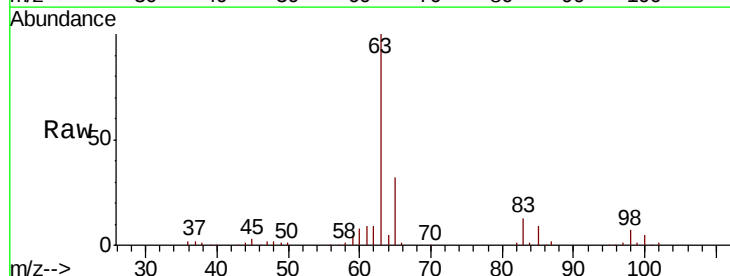


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

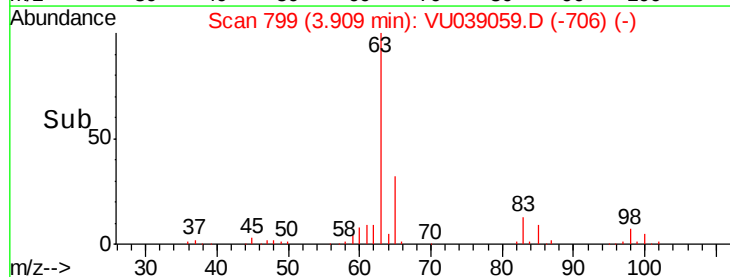
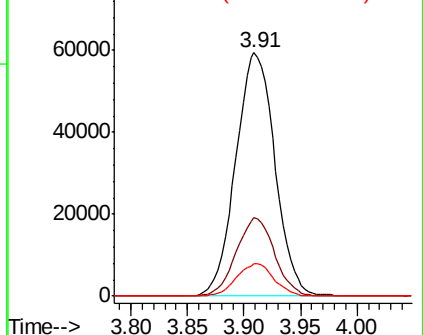


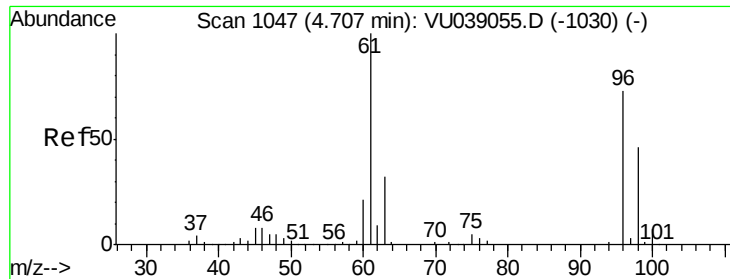
#19
1,1-Dichloroethane
Concen: 3.822 ug/L
RT: 3.91 min Scan# 799
Delta R.T. -0.00 min
Lab File: VU039059.D
Acq: 24 Jun 2020 13:17

Tgt Ion: 63 Resp: 143372
Ion Ratio Lower Upper
63 100
65 32.1 22.1 41.1
83 13.2 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.209 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU039059.D

Acq: 24 Jun 2020 13:17

Instrument :

MSVOA_U

ClientSampleId :

BFXJ0

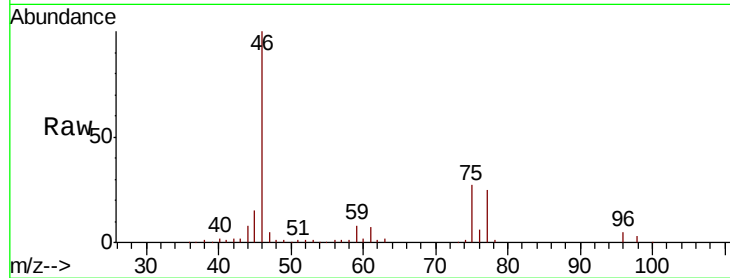
Tot Ion: 96 Resp: 4250

Ion Ratio Lower Upper

96 100

61 148.4 100.8 187.2

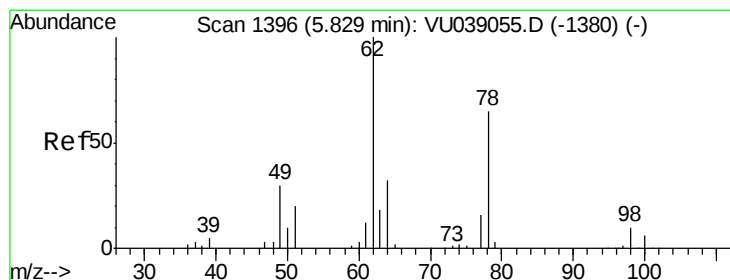
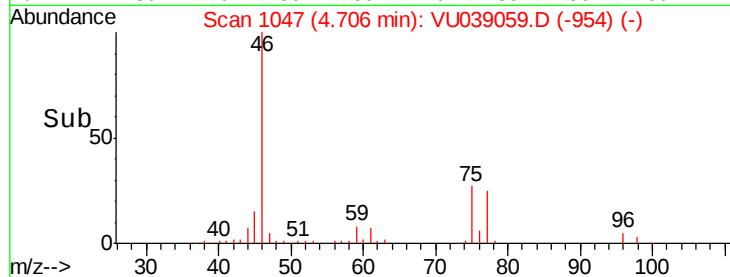
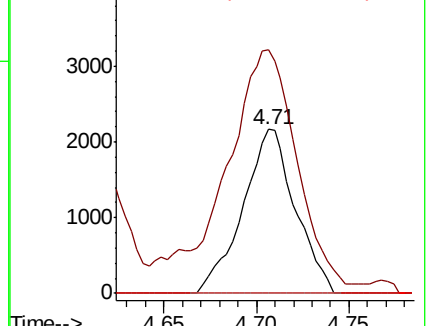
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039059.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU039059.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU039059.D (-1030) (-)



#27

1,2-Dichloroethane

Concen: 0.169 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU039059.D

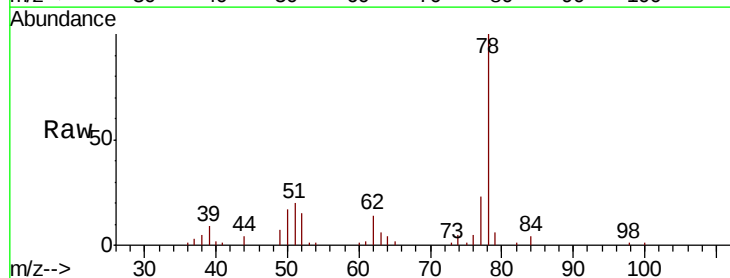
Acq: 24 Jun 2020 13:17

Tgt Ion: 62 Resp: 4539

Ion Ratio Lower Upper

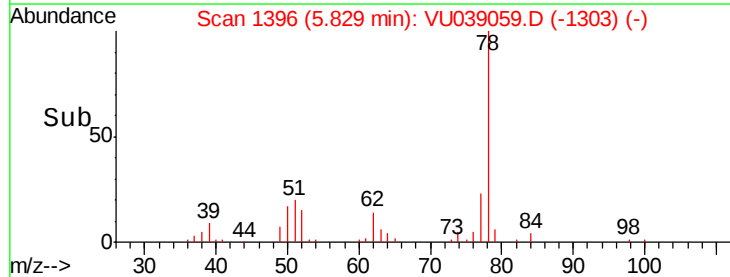
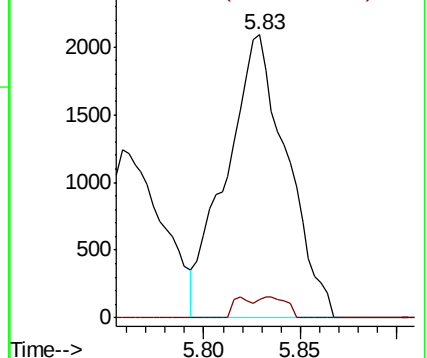
62 100

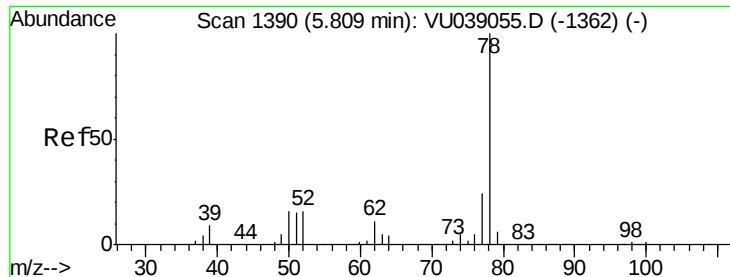
98 6.5 7.7 11.5#



Abundance Ion 62.00 (61.70 to 62.70): VU039059.D (-1380) (-)

Ion 98.05 (97.75 to 98.75): VU039059.D (-1380) (-)





#33

Benzene

Concen: 1.273 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU039059.D

Acq: 24 Jun 2020 13:17

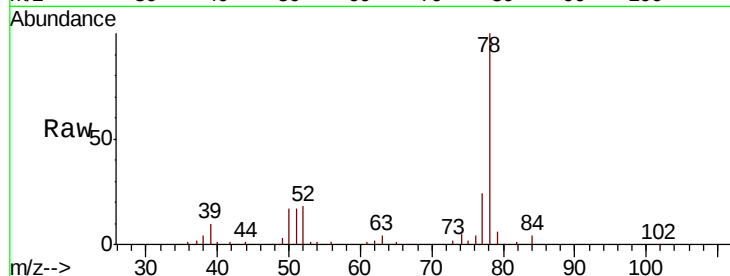
Instrument :

MSVOA_U

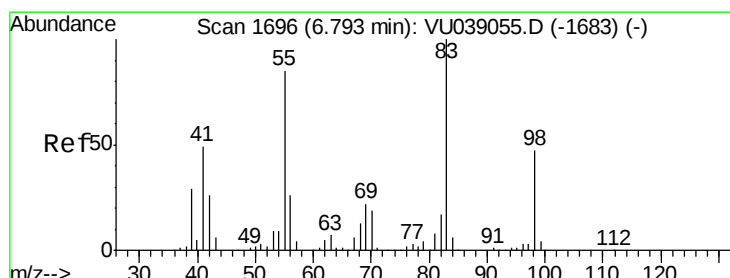
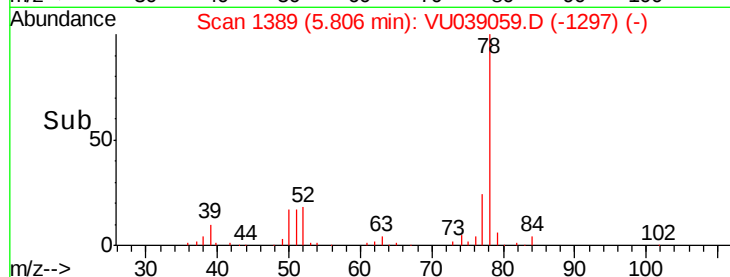
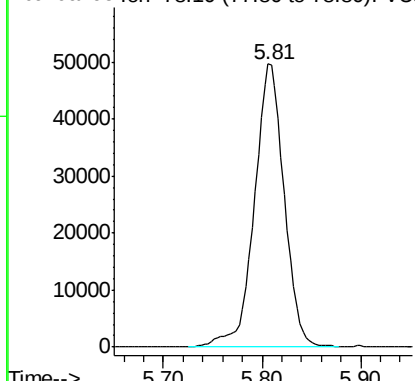
ClientSampled :

BFXJ0

Tgt Ion: 78 Resp: 103312



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 1.066 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU039059.D

Acq: 24 Jun 2020 13:17

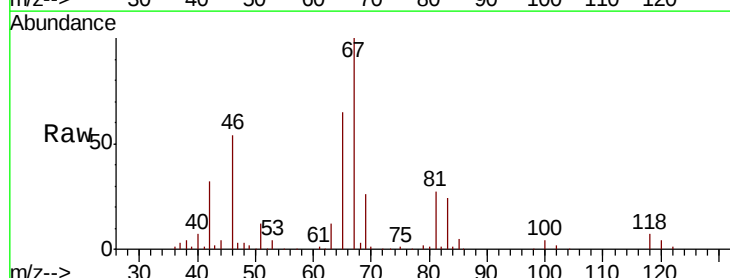
Tgt Ion: 83 Resp: 31046

Ion Ratio Lower Upper

83 100

55 0.0 65.5 98.3#

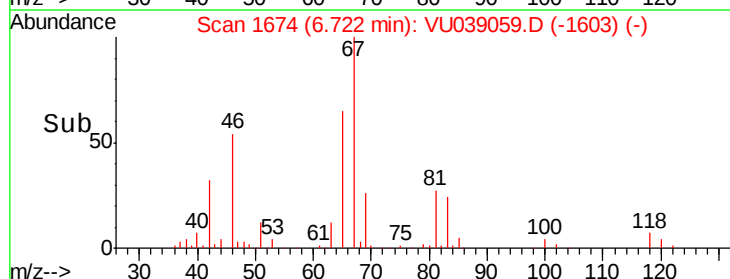
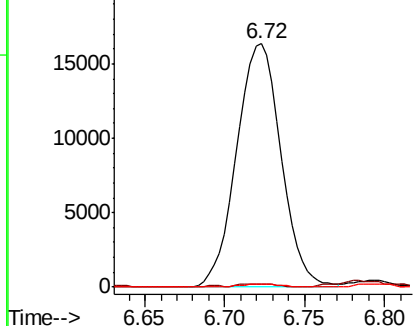
98 1.1 36.5 54.7#

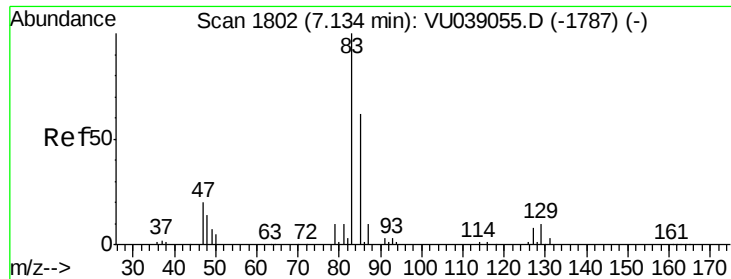


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#38

Bromodichloromethane

Concen: 1.942 ug/L

RT: 6.94 min Scan# 1743

Delta R.T. -0.19 min

Lab File: VU039059.D

Acq: 24 Jun 2020 13:17

Instrument :

MSVOA_U

ClientSampled :

BFXJ0

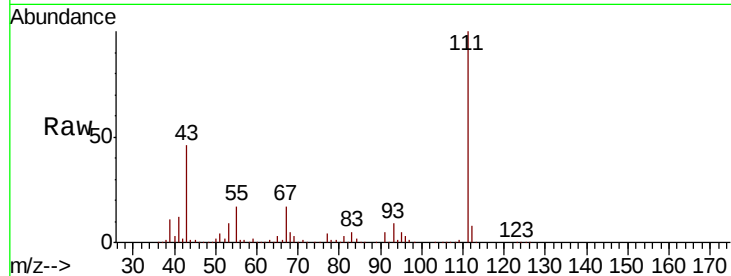
Tot Ion: 83 Resp: 53226

Ion Ratio Lower Upper

83 100

85 4.6 44.9 83.3#

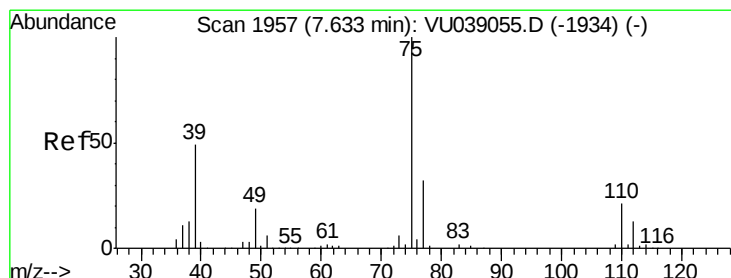
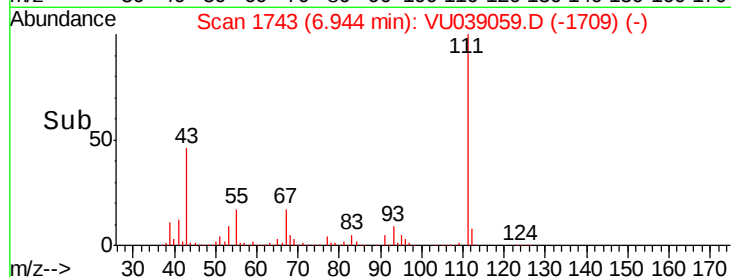
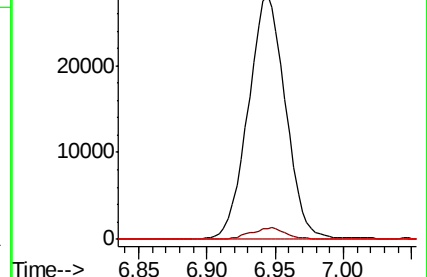
127 0.0 6.3 9.5#



Abundance Ion 82.95 (82.65 to 83.65): VU039059.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU039059.D (-1787) (-)

Ion 126.90 (126.60 to 127.60): VU039059.D (-1787) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.133 ug/L

RT: 7.59 min Scan# 1943

Delta R.T. -0.05 min

Lab File: VU039059.D

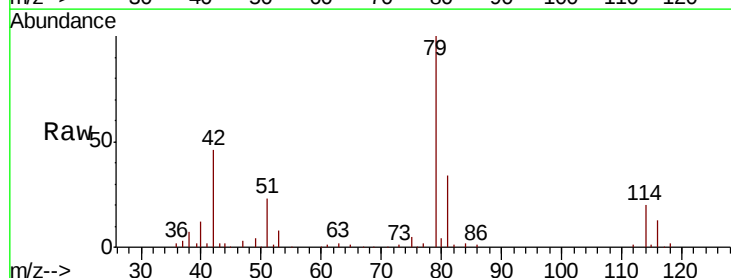
Acq: 24 Jun 2020 13:17

Tgt Ion: 75 Resp: 4040

Ion Ratio Lower Upper

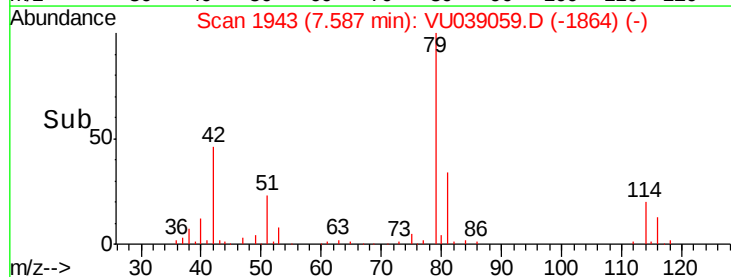
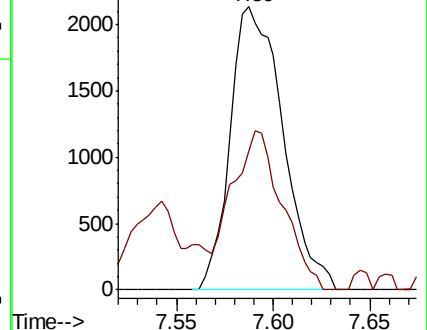
75 100

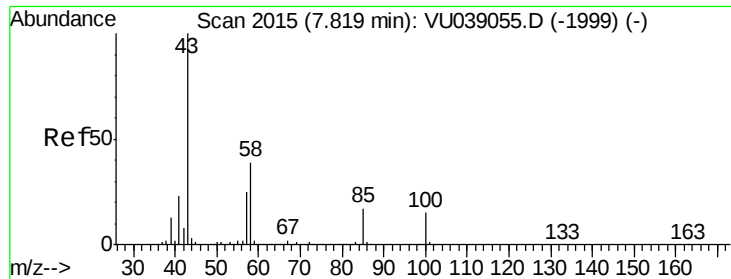
77 49.2 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039059.D (-1864) (-)

Ion 77.05 (76.75 to 77.75): VU039059.D (-1864) (-)

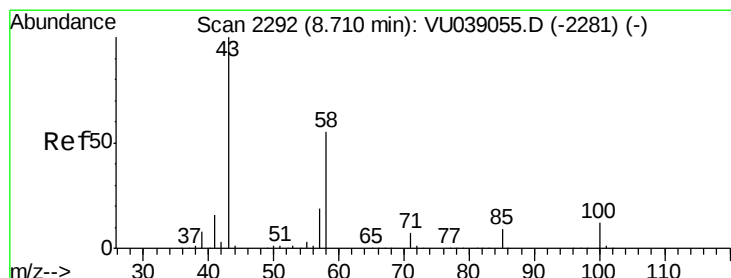
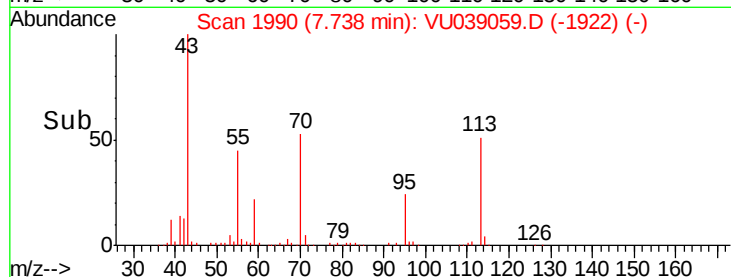
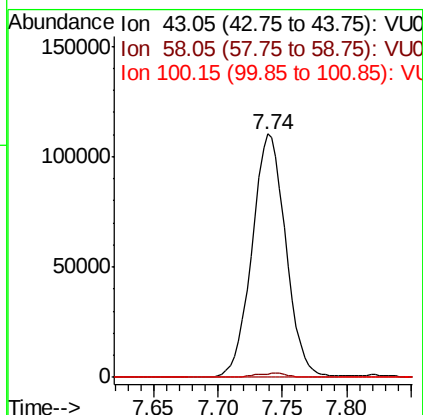
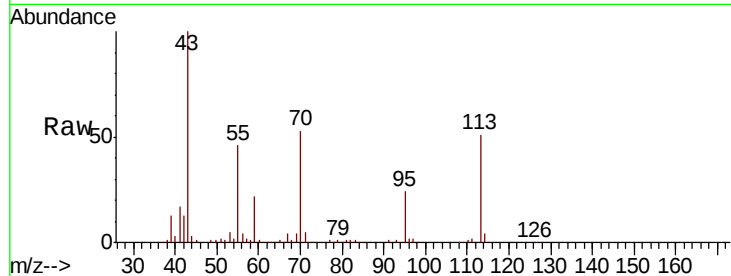




#40
4-Methyl-2-pentanone
Concen: 12.240 ug/L
RT: 7.74 min Scan# 1990
Delta R.T. -0.08 min
Lab File: VU039059.D
Acq: 24 Jun 2020 13:17

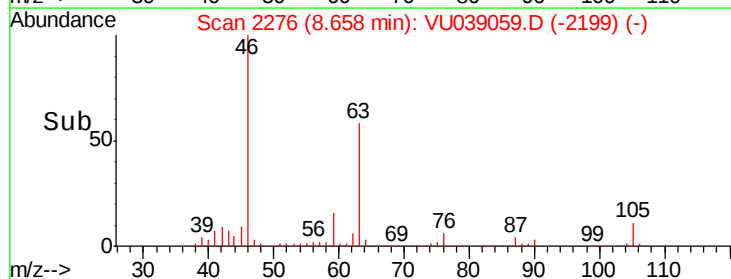
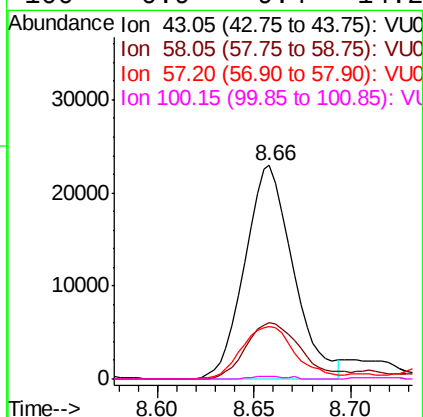
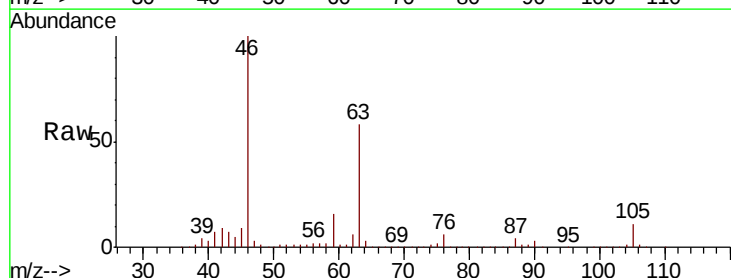
Instrument :
MSVOA_U
ClientSampleId :
BFXJ0

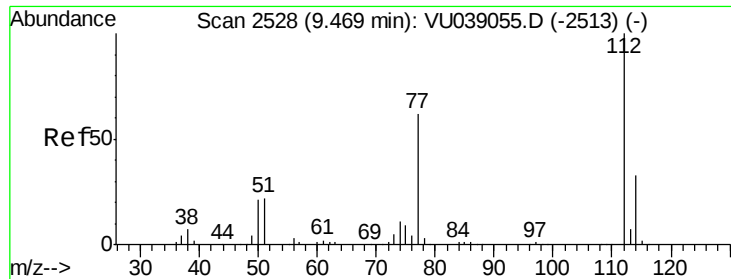
Tot Ion: 43 Resp: 200869
Ion Ratio Lower Upper
43 100
58 1.7 31.3 46.9#
100 0.0 11.6 17.4#



#48
2-Hexanone
Concen: 3.316 ug/L
RT: 8.66 min Scan# 2276
Delta R.T. -0.05 min
Lab File: VU039059.D
Acq: 24 Jun 2020 13:17

Tgt Ion: 43 Resp: 39889
Ion Ratio Lower Upper
43 100
58 30.3 44.0 66.0#
57 27.1 15.0 22.6#
100 0.9 9.4 14.2#

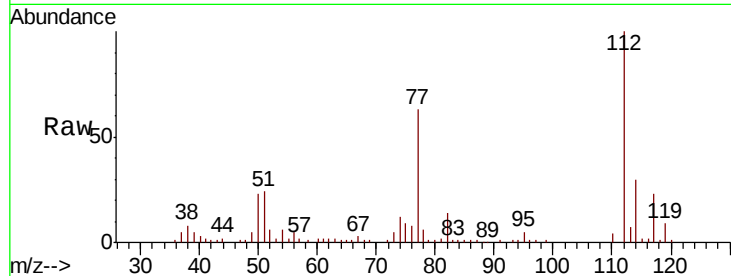




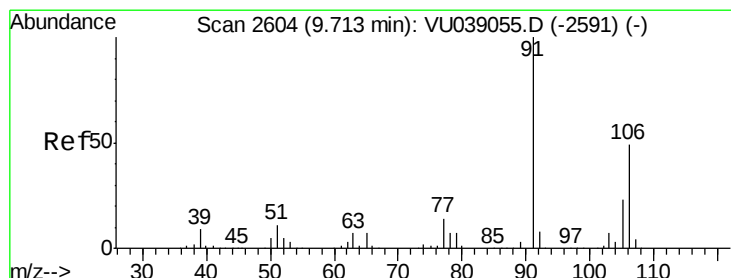
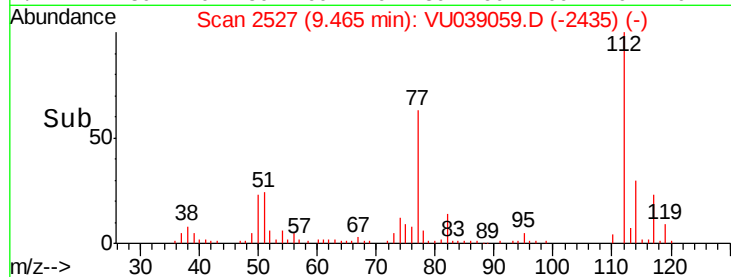
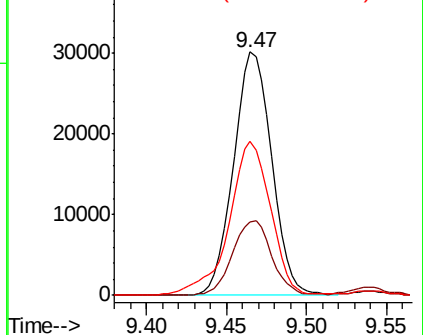
#51
Chlorobenzene
Concen: 0.969 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU039059.D
Acq: 24 Jun 2020 13:17

Instrument :
MSVOA_U
ClientSampled :
BFXJ0

Tot Ion:112 Resp: 49130
Ion Ratio Lower Upper
112 100
114 30.1 22.0 41.0
77 63.0 50.2 75.4

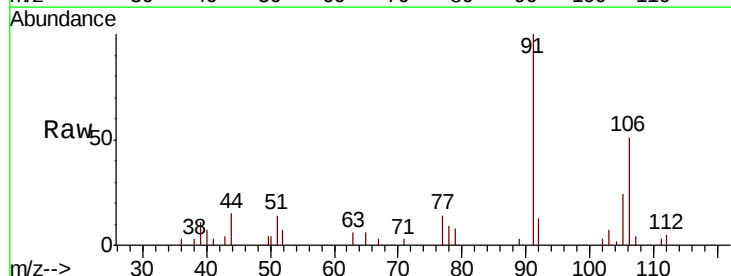


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

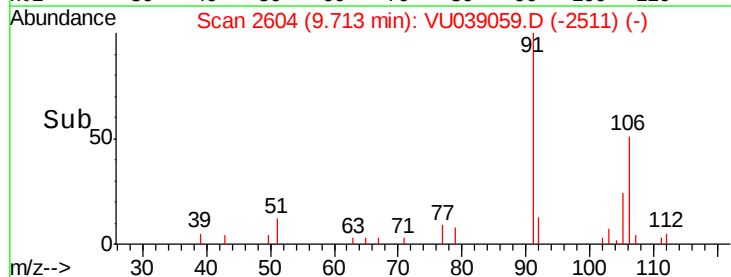
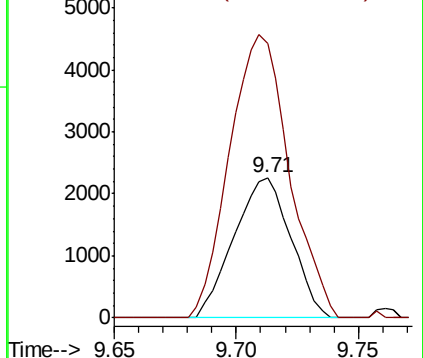


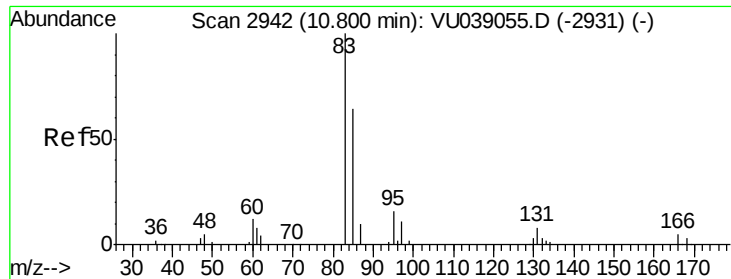
#53
m,p-Xylene
Concen: 0.118 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU039059.D
Acq: 24 Jun 2020 13:17

Tgt Ion:106 Resp: 3660
Ion Ratio Lower Upper
106 100
91 194.8 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): V





#58

1,1,2,2-Tetrachloroethane

Concen: 13.638 ug/L

RT: 11.05 min Scan# 3020

Delta R.T. 0.25 min

Lab File: VU039059.D

Acq: 24 Jun 2020 13:17

Instrument :

MSVOA_U

ClientSampleId :

BFXJ0

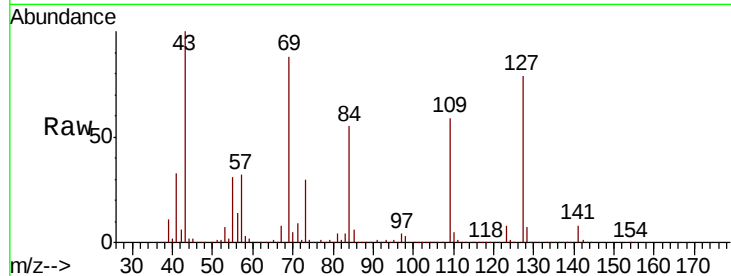
Tot Ion: 83 Resp: 297998

Ion Ratio Lower Upper

83 100

85 136.9 45.3 84.1#

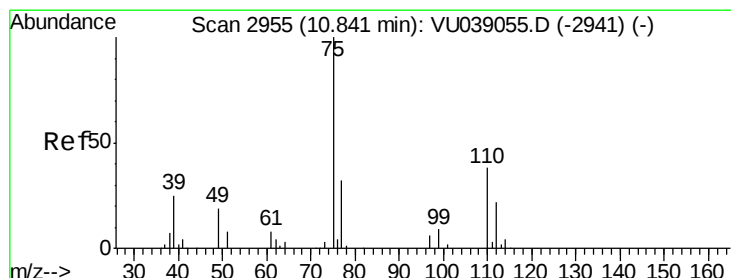
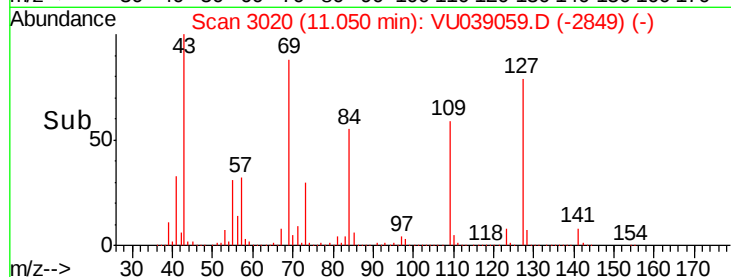
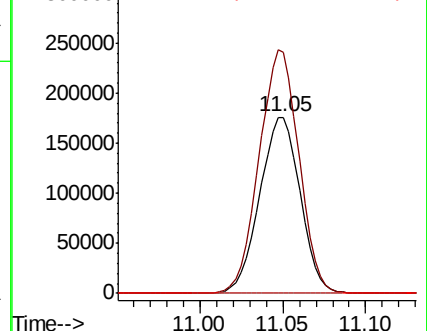
131 0.1 6.9 10.3#



Abundance Ion 82.95 (82.65 to 83.65): VU039055.D (-2931) (-)

Ion 85.00 (84.70 to 85.70): VU039055.D (-2931) (-)

Ion 130.95 (130.65 to 131.65): VU039055.D (-2931) (-)



#59

1,2,3-Trichloropropane

Concen: 1.066 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU039059.D

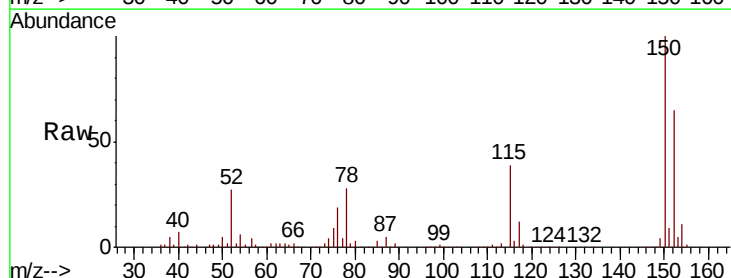
Acq: 24 Jun 2020 13:17

Tgt Ion: 75 Resp: 17670

Ion Ratio Lower Upper

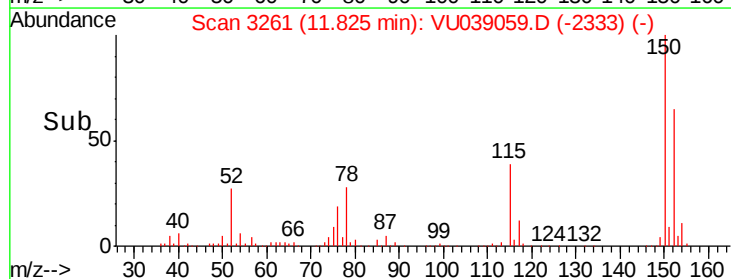
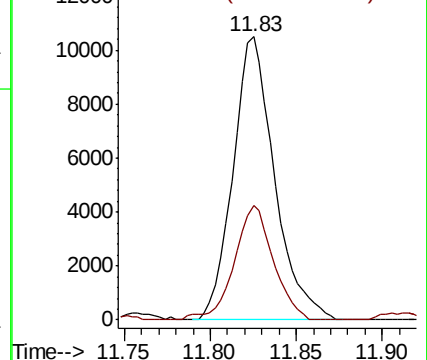
75 100

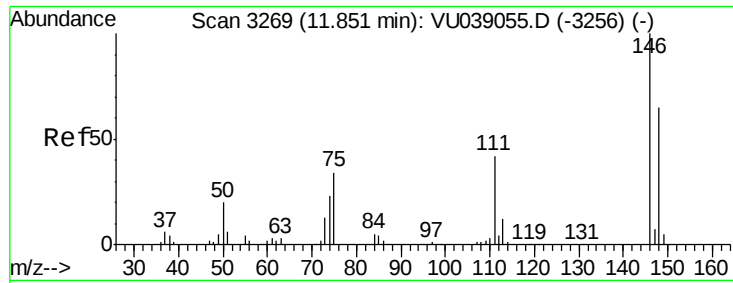
77 37.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU039055.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU039055.D (-2941) (-)

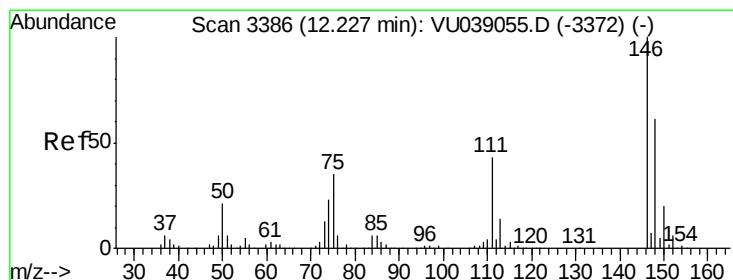
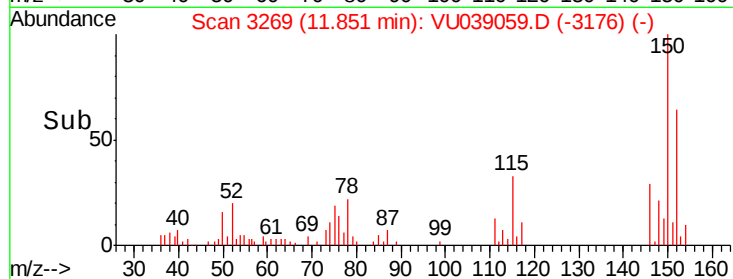
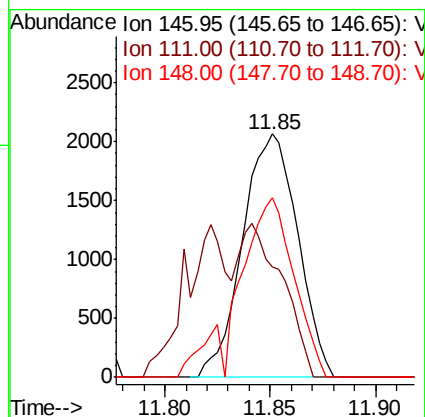
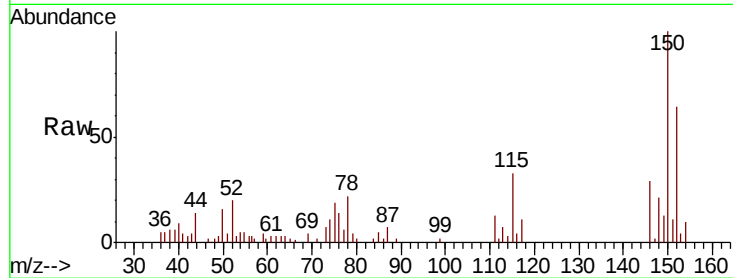




#63
 1,4-Dichlorobenzene
 Concen: 0.103 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU039059.D
 Acq: 24 Jun 2020 13:17

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ0

Tot Ion:146 Resp: 3747
 Ion Ratio Lower Upper
 146 100
 111 45.1 28.4 52.8
 148 73.6 43.4 80.6



#65
 1,2-Dichlorobenzene
 Concen: 0.745 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU039059.D
 Acq: 24 Jun 2020 13:17

Tgt Ion:146 Resp: 26378
 Ion Ratio Lower Upper
 146 100
 111 46.5 34.7 52.1
 148 70.4 50.9 76.3

