

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039057.D
 Acq On : 24 Jun 2020 11:42
 Operator : SY/MD
 Sample : L3061-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXH9

Quant Time: Jun 25 01:03:03 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	260680	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	266844	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	119261	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	117423	6.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.00%
7) Chloroethane-d5	1.93	69	100604	6.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	127.60%
11) 1,1-Dichloroethene-d2	2.59	63	171002	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.20%
20) 2-Butanone-d5	4.67	46	409572	59.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.90%
24) Chloroform-d	5.10	84	217834	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.00%
26) 1,2-Dichloroethane-d4	5.74	65	131199	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.76	84	431481	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.60%
36) 1,2-Dichloropropane-d6	6.72	67	141110	5.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.40%
41) Toluene-d8	7.92	98	362927	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.20%
43) trans-1,3-Dichloropropene-	8.20	79	56056	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.66	63	316748	56.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.58%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	125326	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	132257	5.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	5948	0.235	ug/L #	61
8) Chloroethane	1.95	64	8808	0.577	ug/L	100
12) 1,1-Dichloroethene	2.61	96	5081	0.281	ug/L #	1
13) Acetone	2.67	43	14634	3.128	ug/L	87
14) Carbon disulfide	2.82	76	37002	0.615	ug/L	95
16) Methylene chloride	3.08	84	1717	0.077	ug/L	81
18) trans-1,2-Dichloroethene	3.39	96	5103	0.264	ug/L	88
19) 1,1-Dichloroethane	3.91	63	143086	3.726	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	4635	0.222	ug/L	97
33) Benzene	5.81	78	106238	1.267	ug/L	100
35) Methylcyclohexane	6.72	83	33715	1.120	ug/L #	17
38) Bromodichloromethane	6.94	83	52509	1.854	ug/L #	31
40) 4-Methyl-2-pentanone	7.74	43	200324	11.816	ug/L #	46
51) Chlorobenzene	9.47	112	47645	0.909	ug/L	99
53) m,p-Xylene	9.71	106	3651	0.114	ug/L	96
58) 1,1,2,2-Tetrachloroethane	11.05	83	300534	13.314	ug/L #	17
59) 1,2,3-Trichloropropane	11.83	75	18551	1.083	ug/L	95

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

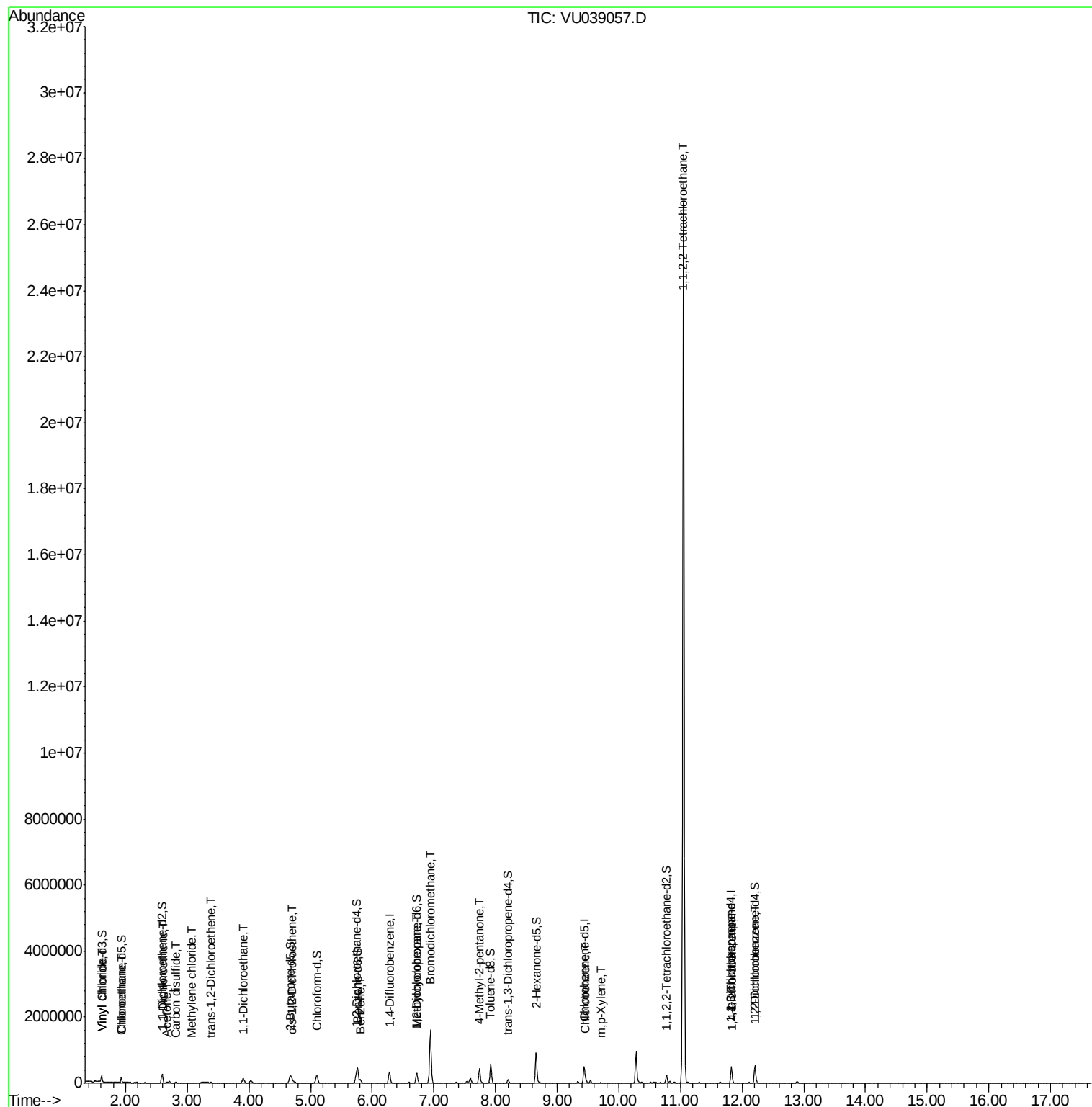
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.85	146	3529	0.097	ug/L #	80
65) 1,2-Dichlorobenzene	12.22	146	25687	0.722	ug/L	97

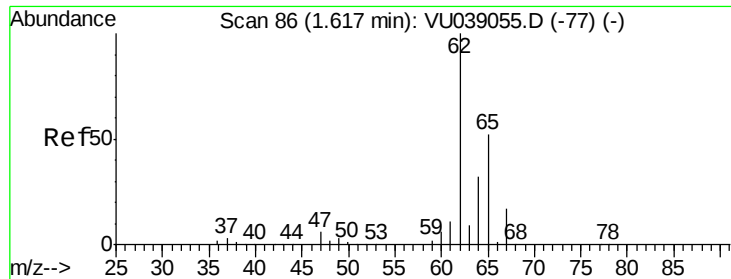
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 0.235 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039057.D

Acq: 24 Jun 2020 11:42

Instrument :

MSVOA_U

ClientSampled :

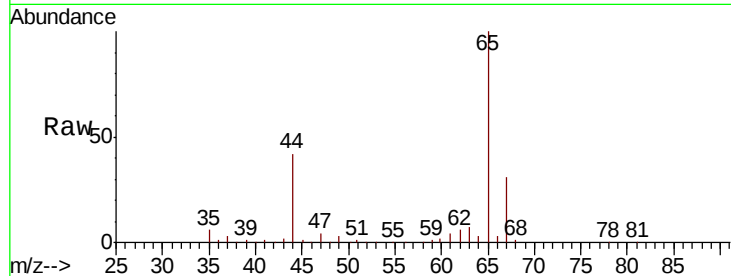
BFXH9

Tot Ion: 62 Resp: 5948

Ion Ratio Lower Upper

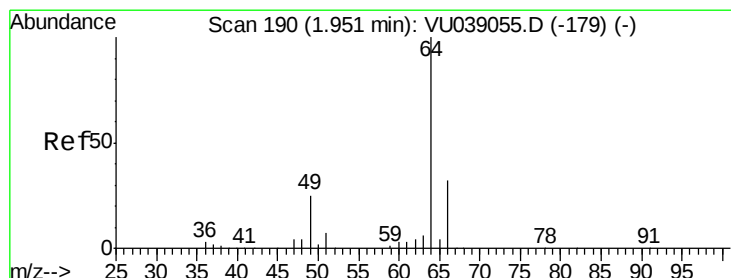
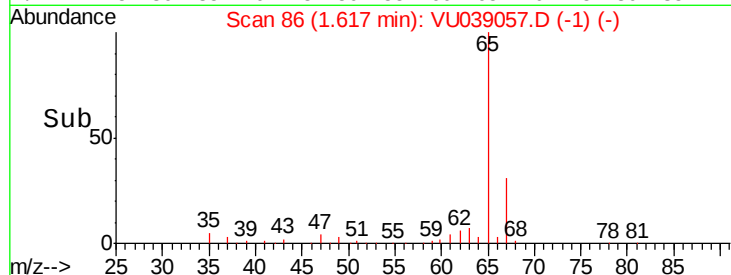
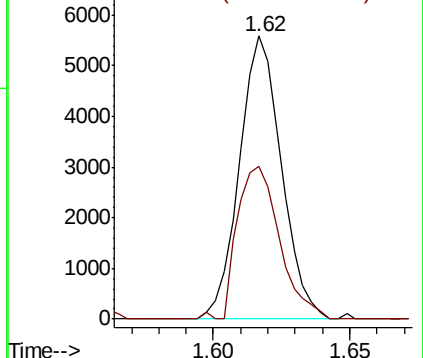
62 100

64 53.8 22.4 41.6#



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

Ion 64.10 (63.80 to 64.80): VU039057.D (-1) (-)



#8

Chloroethane

Concen: 0.577 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU039057.D

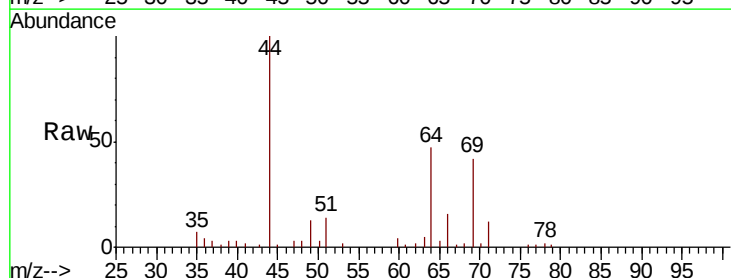
Acq: 24 Jun 2020 11:42

Tgt Ion: 64 Resp: 8808

Ion Ratio Lower Upper

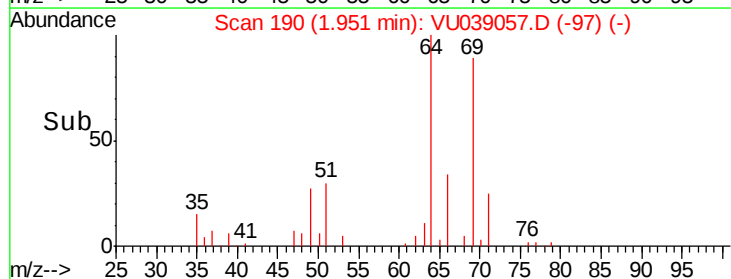
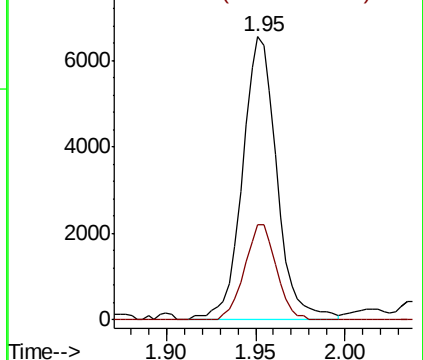
64 100

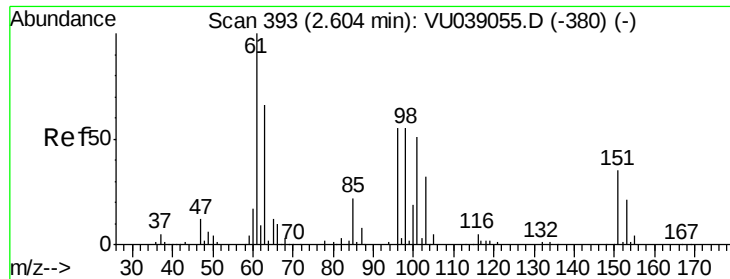
66 33.5 23.4 43.4



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

Ion 66.05 (65.75 to 66.75): VU039057.D (-97) (-)

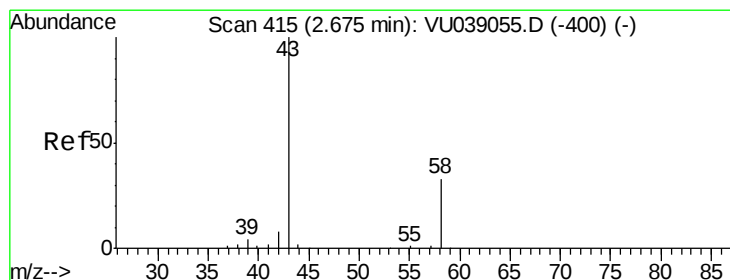
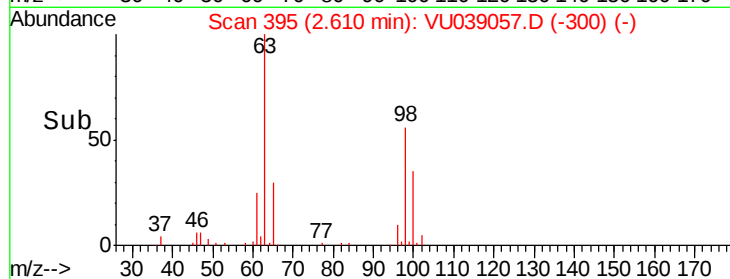
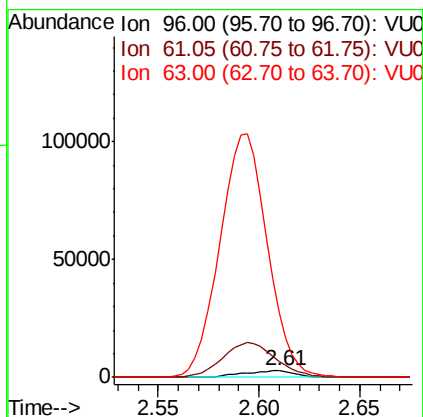
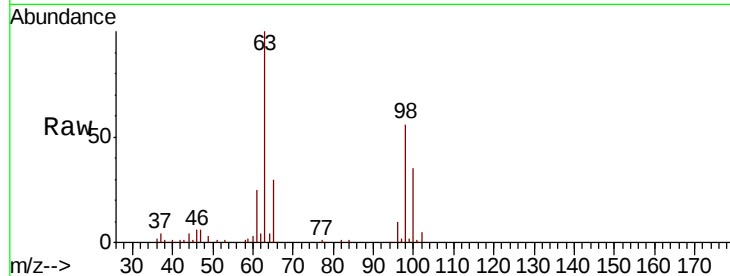




#12
 1,1-Dichloroethene
 Concen: 0.281 ug/L
 RT: 2.61 min Scan# 395
 Delta R.T. 0.01 min
 Lab File: VU039057.D
 Acq: 24 Jun 2020 11:42

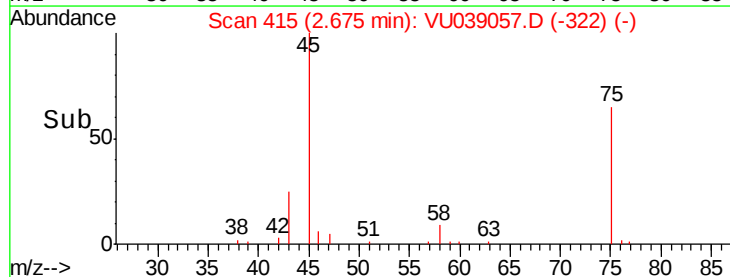
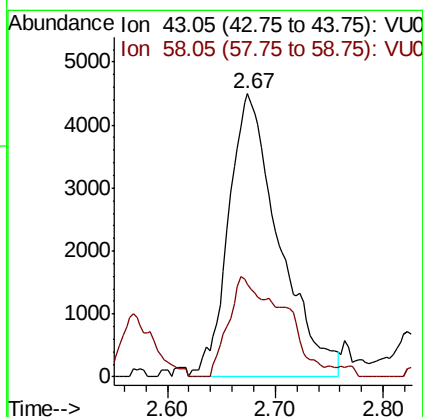
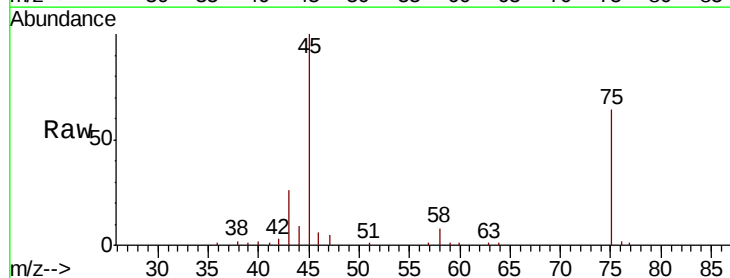
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXH9

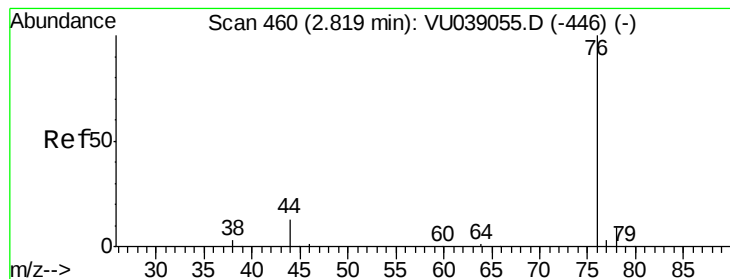
Tot Ion	Ratio	Lower	Upper
96	100		
61	249.7	125.1	232.3#
63	999.9	82.3	152.8#



#13
 Acetone
 Concen: 3.128 ug/L
 RT: 2.67 min Scan# 415
 Delta R.T. -0.00 min
 Lab File: VU039057.D
 Acq: 24 Jun 2020 11:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	0.0	64.4





#14

Carbon disulfide

Concen: 0.615 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU039057.D

Acq: 24 Jun 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

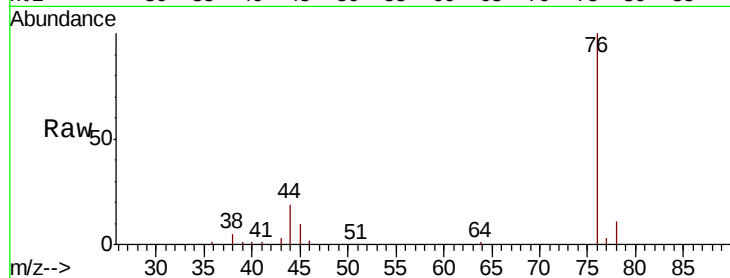
BFXH9

Tot Ion: 76 Resp: 37002

Ion Ratio Lower Upper

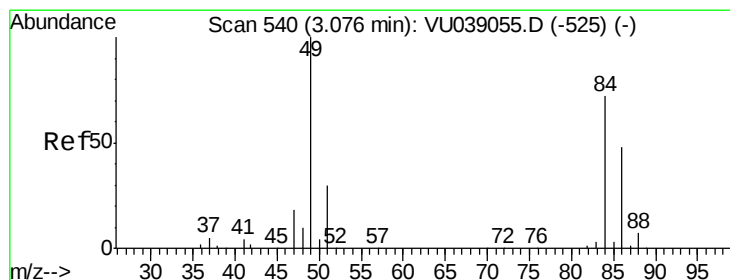
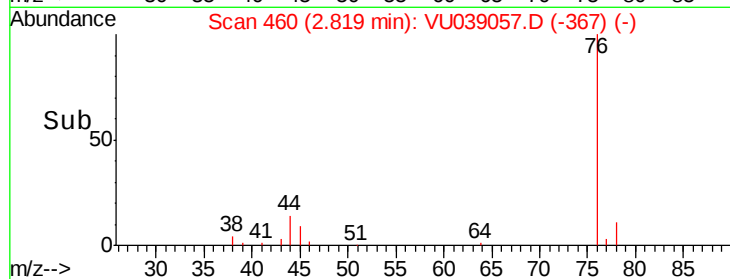
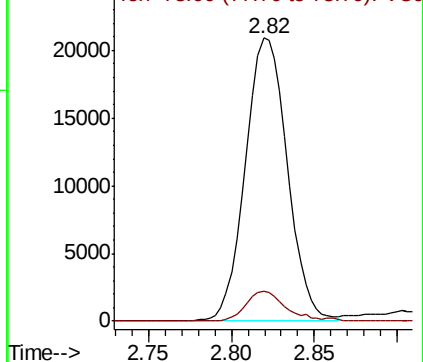
76 100

78 10.5 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039057.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU039057.D (-367) (-)



#16

Methylene chloride

Concen: 0.077 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU039057.D

Acq: 24 Jun 2020 11:42

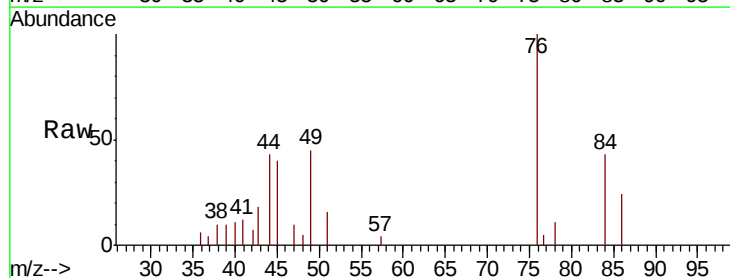
Tgt Ion: 84 Resp: 1717

Ion Ratio Lower Upper

84 100

86 55.9 44.1 81.9

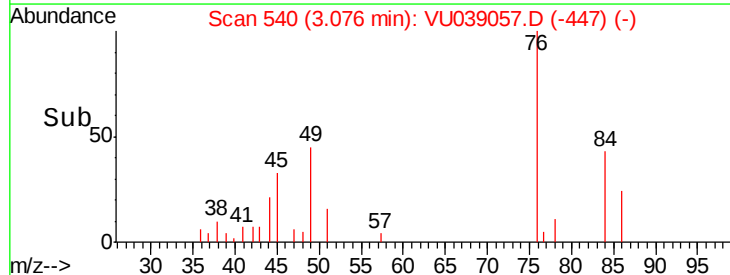
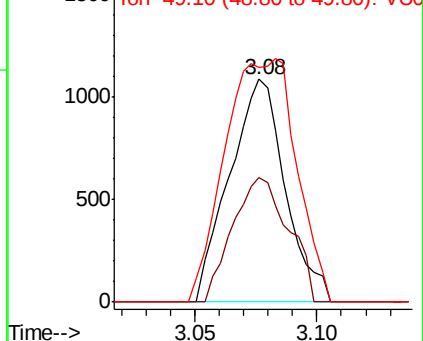
49 105.4 93.1 172.9

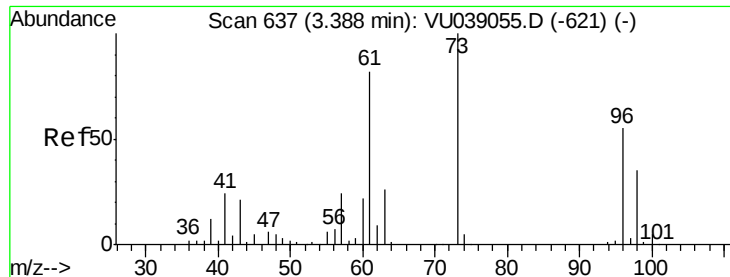


Abundance Ion 84.05 (83.75 to 84.75): VU039057.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU039057.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU039057.D (-447) (-)

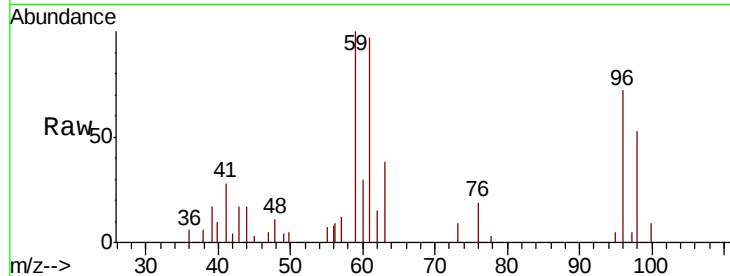




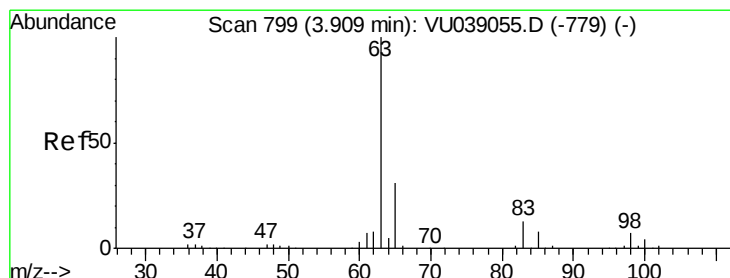
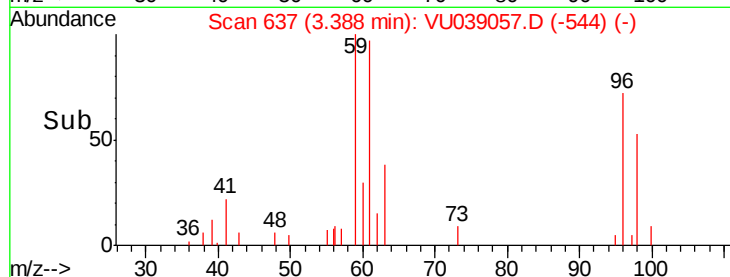
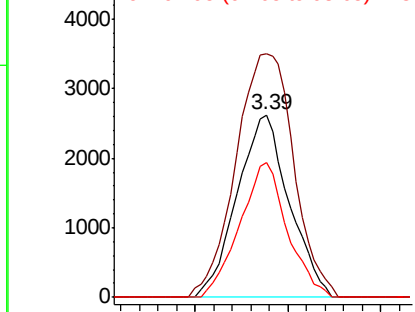
#18
trans-1,2-Dichloroethene
Concen: 0.264 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU039057.D
Acq: 24 Jun 2020 11:42

Instrument :
MSVOA_U
ClientSampleId :
BFXH9

Tot Ion: 96 Resp: 5103
Ion Ratio Lower Upper
96 100
61 133.4 103.5 192.3
98 73.8 44.9 83.5

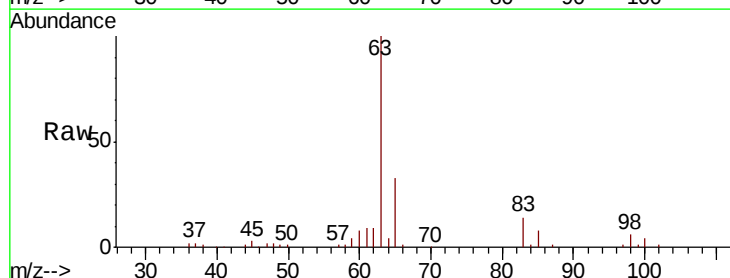


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

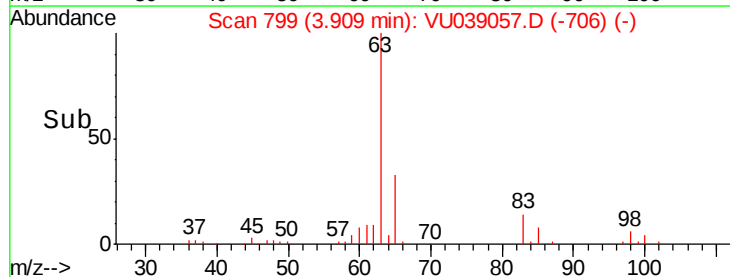
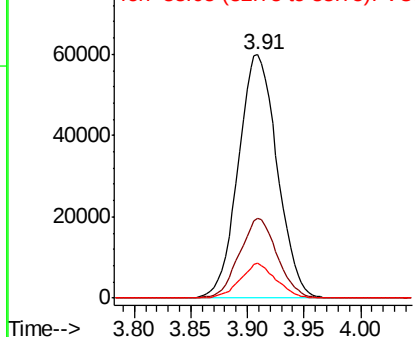


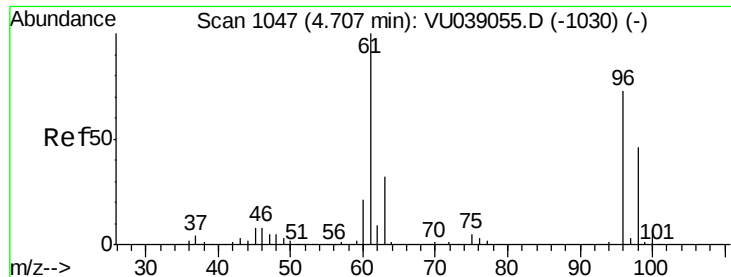
#19
1,1-Dichloroethane
Concen: 3.726 ug/L
RT: 3.91 min Scan# 799
Delta R.T. -0.00 min
Lab File: VU039057.D
Acq: 24 Jun 2020 11:42

Tgt Ion: 63 Resp: 143086
Ion Ratio Lower Upper
63 100
65 32.6 22.1 41.1
83 14.2 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: 0.222 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU039057.D

Acq: 24 Jun 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

BFXH9

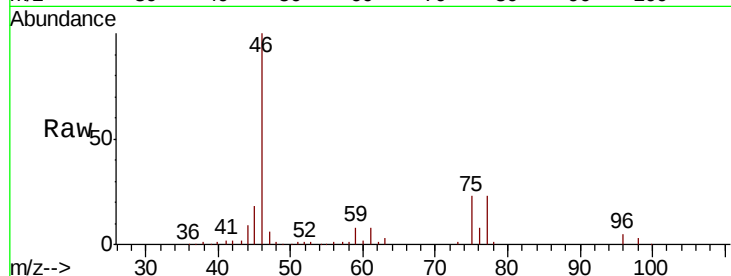
Tot Ion: 96 Resp: 4635

Ion Ratio Lower Upper

96 100

61 140.2 100.8 187.2

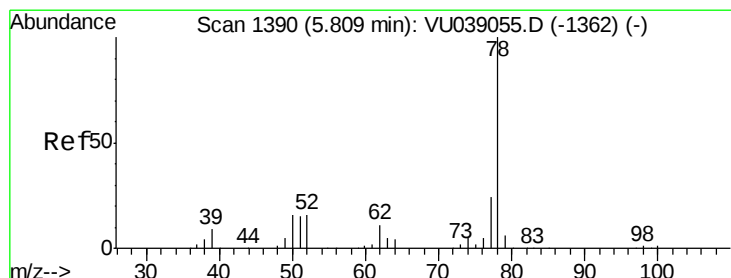
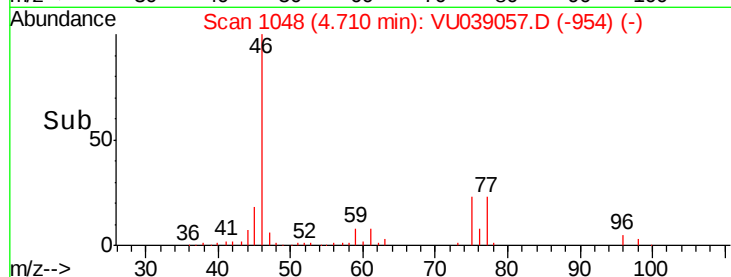
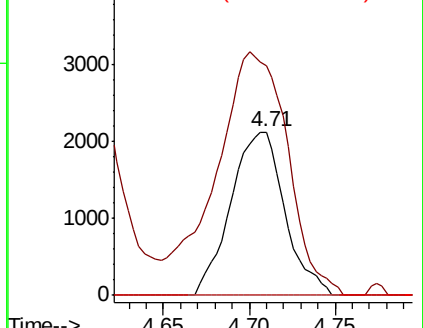
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039057.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039057.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039057.D (-954) (-)



#33

Benzene

Concen: 1.267 ug/L

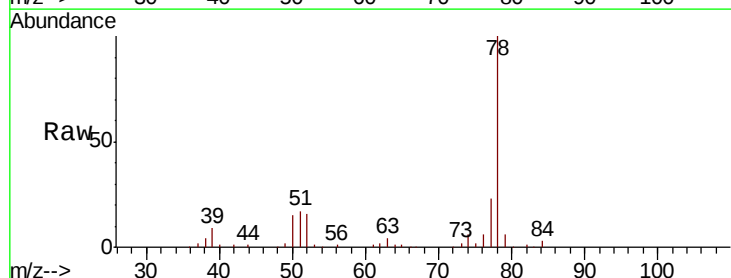
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

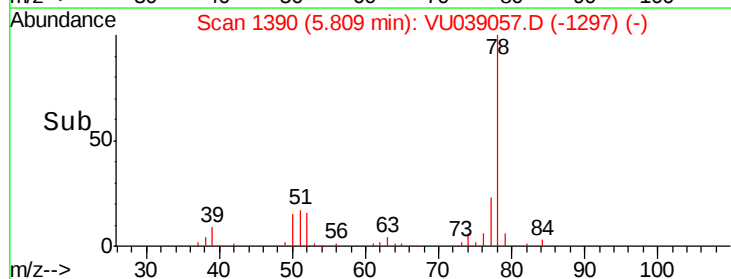
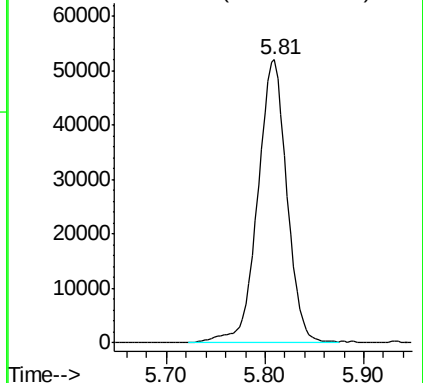
Lab File: VU039057.D

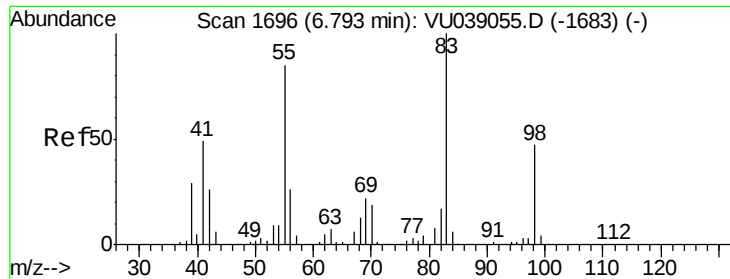
Acq: 24 Jun 2020 11:42

Tgt Ion: 78 Resp: 106238



Abundance Ion 78.10 (77.80 to 78.80): VU039057.D (-1297) (-)

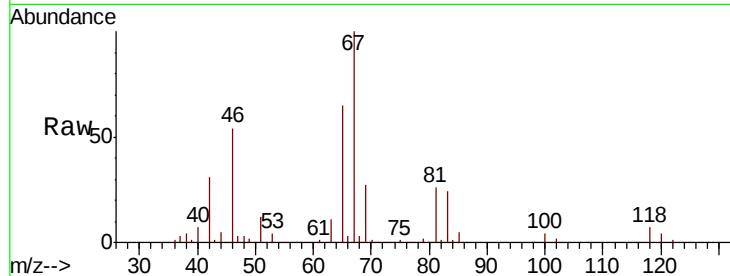




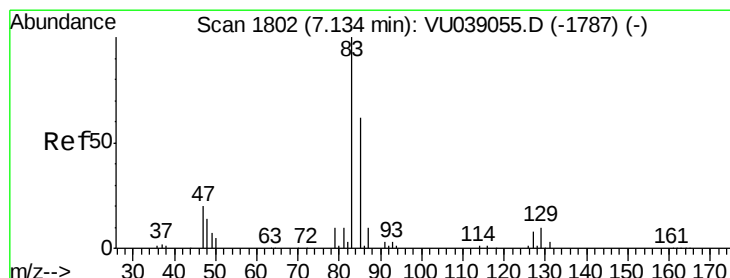
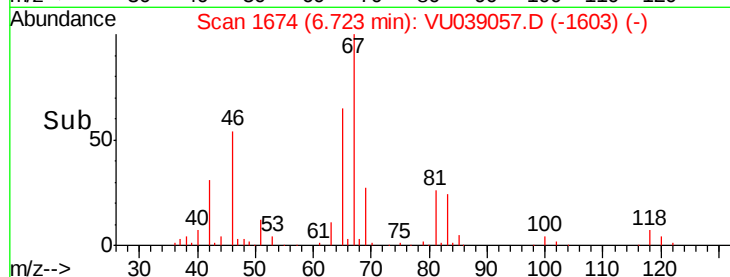
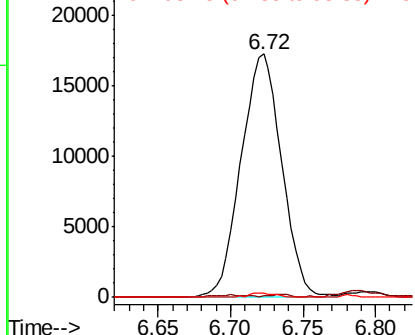
#35
Methvlcvclohexane
Concen: 1.120 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU039057.D
Acq: 24 Jun 2020 11:42

Instrument :
MSVOA_U
ClientSampleId :
BFXH9

Tot Ion: 83 Resp: 33715
Ion Ratio Lower Upper
83 100
55 0.0 65.5 98.3#
98 1.1 36.5 54.7#

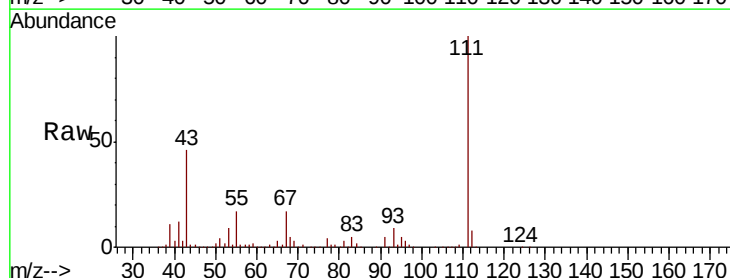


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

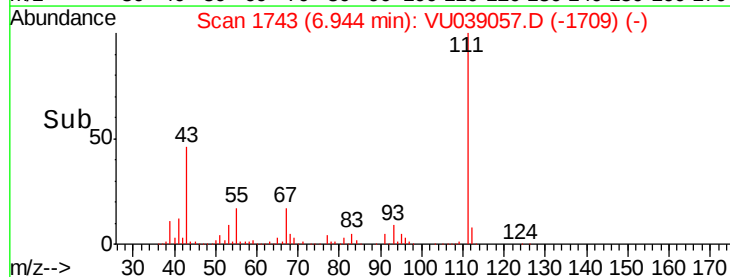
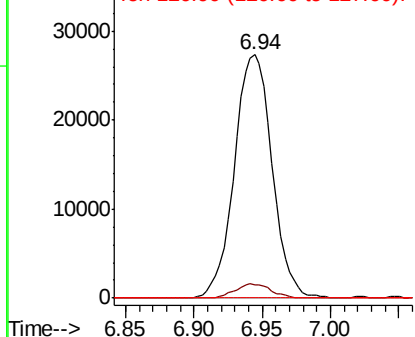


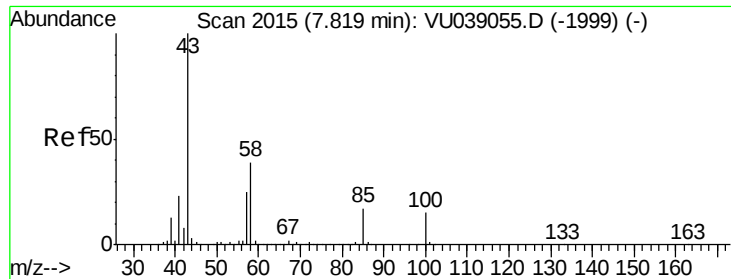
#38
Bromodichloromethane
Concen: 1.854 ug/L
RT: 6.94 min Scan# 1743
Delta R.T. -0.19 min
Lab File: VU039057.D
Acq: 24 Jun 2020 11:42

Tgt Ion: 83 Resp: 52509
Ion Ratio Lower Upper
83 100
85 5.6 44.9 83.3#
127 0.0 6.3 9.5#



Abundance Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 126.90 (126.60 to 127.60): V

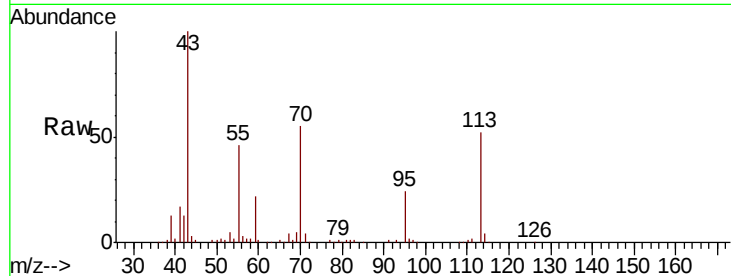




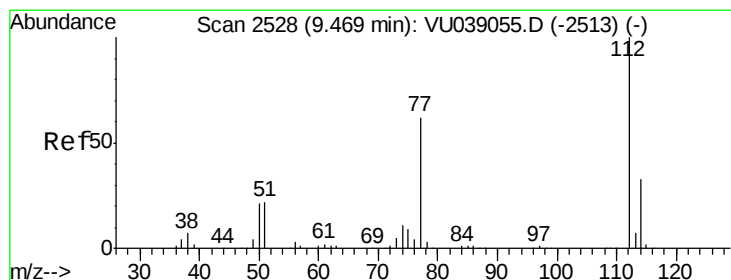
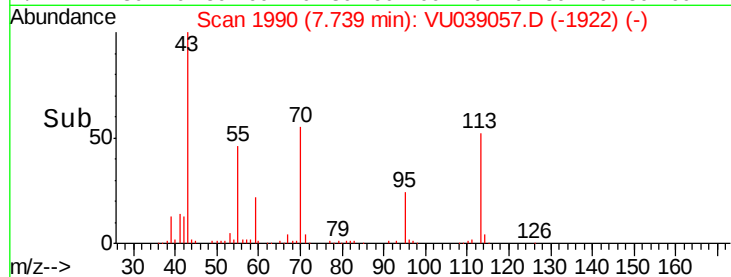
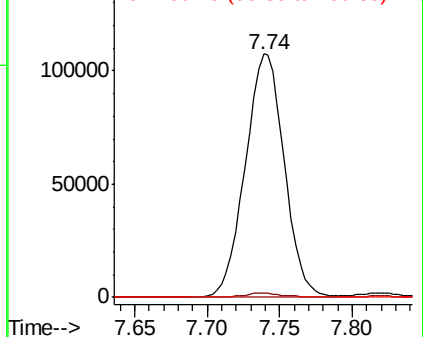
#40
4-Methyl-2-pentanone
Concen: 11.816 ug/L
RT: 7.74 min Scan# 1990
Delta R.T. -0.08 min
Lab File: VU039057.D
Acq: 24 Jun 2020 11:42

Instrument :
MSVOA_U
ClientSampleId :
BFXH9

Tot Ion: 43 Resp: 200324
Ion Ratio Lower Upper
43 100
58 1.7 31.3 46.9#
100 0.0 11.6 17.4#

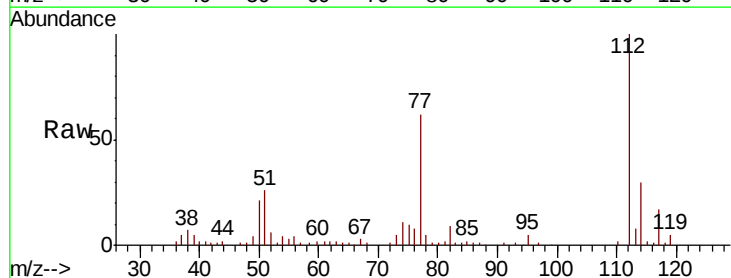


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

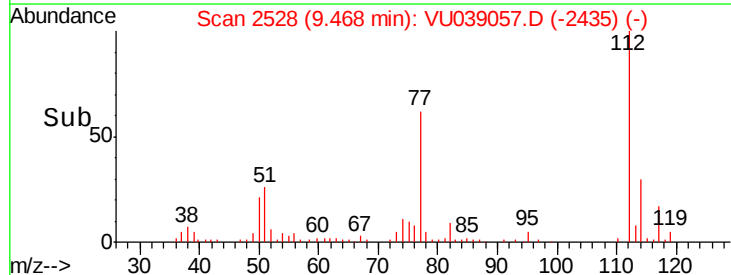
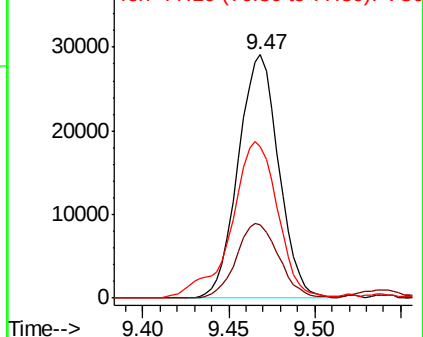


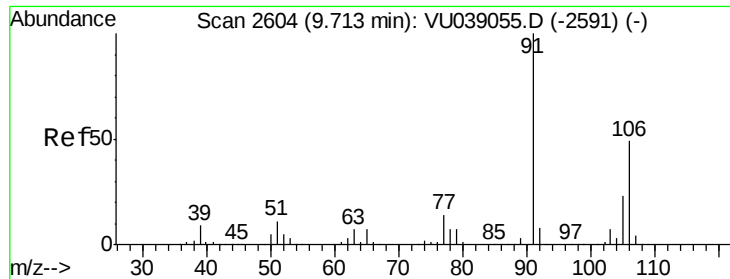
#51
Chlorobenzene
Concen: 0.909 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU039057.D
Acq: 24 Jun 2020 11:42

Tgt Ion: 112 Resp: 47645
Ion Ratio Lower Upper
112 100
114 30.0 22.0 41.0
77 62.2 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): VU0





#53

m,p-Xylene

Concen: 0.114 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039057.D

Acq: 24 Jun 2020 11:42

Instrument :

MSVOA_U

ClientSampled :

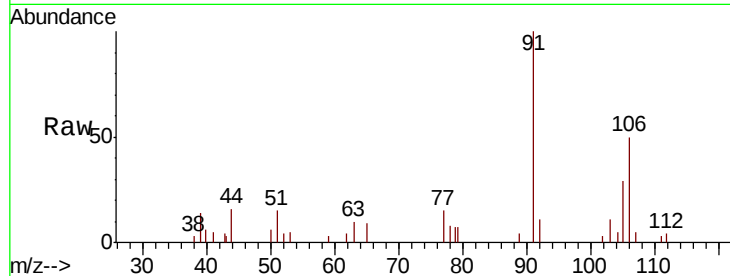
BFXH9

Tot Ion:106 Resp: 3651

Ion Ratio Lower Upper

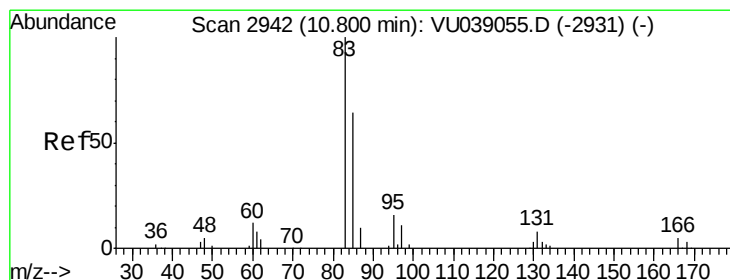
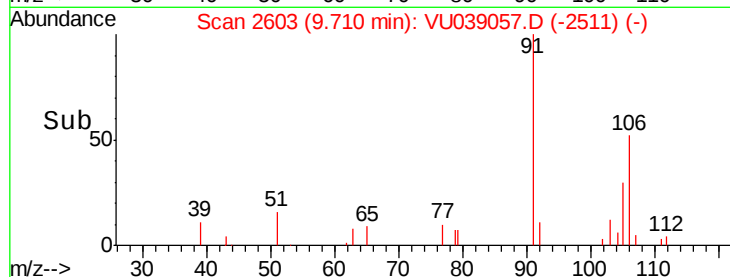
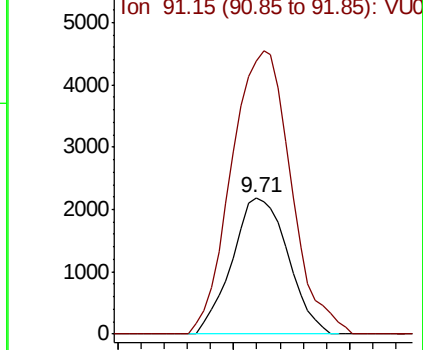
106 100

91 199.3 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#58

1,1,2,2-Tetrachloroethane

Concen: 13.314 ug/L

RT: 11.05 min Scan# 3019

Delta R.T. 0.25 min

Lab File: VU039057.D

Acq: 24 Jun 2020 11:42

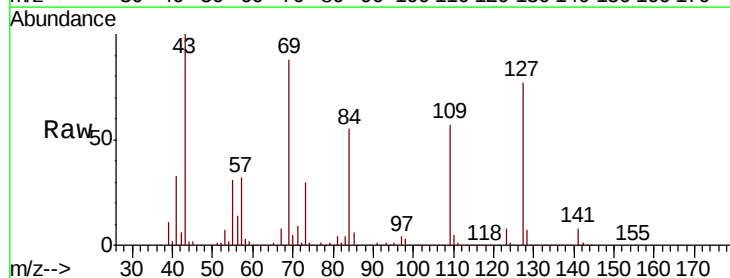
Tgt Ion: 83 Resp: 300534

Ion Ratio Lower Upper

83 100

85 136.3 45.3 84.1#

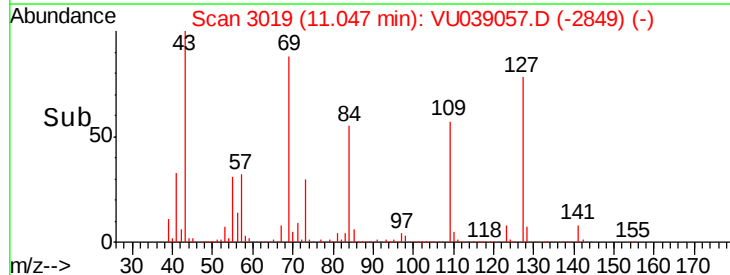
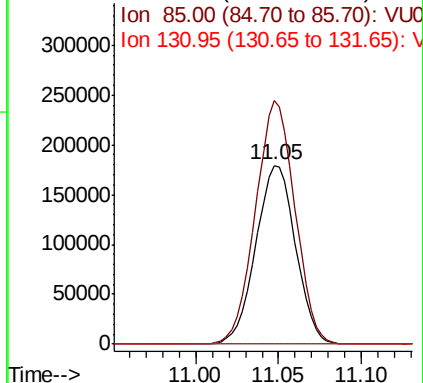
131 0.1 6.9 10.3#

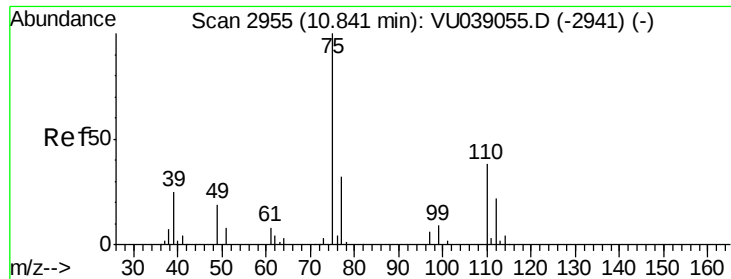


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

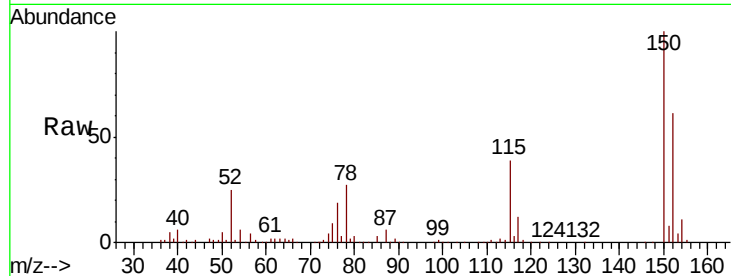




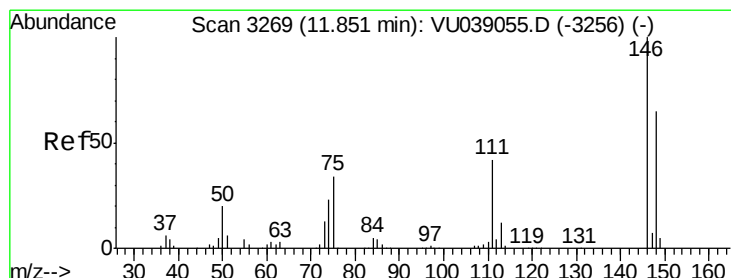
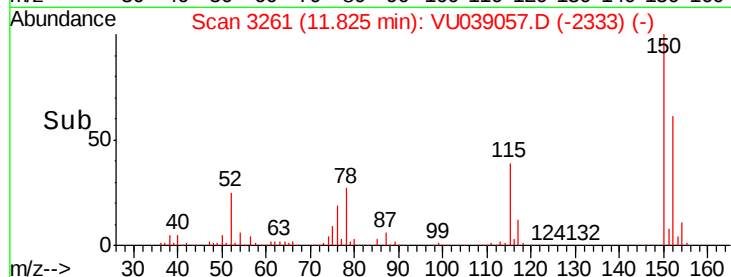
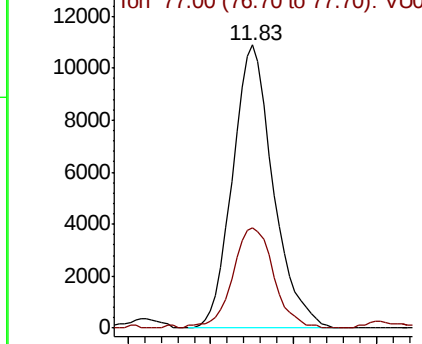
#59
 1,2,3-Trichloropropane
 Concen: 1.083 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU039057.D
 Acq: 24 Jun 2020 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXH9

Tot Ion: 75 Resp: 18551
 Ion Ratio Lower Upper
 75 100
 77 35.8 26.2 39.2

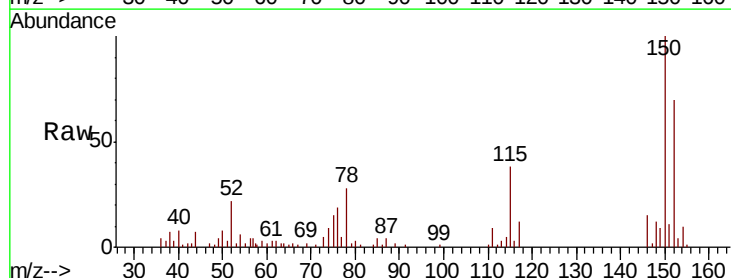


Abundance Ion 75.00 (74.70 to 75.70): VU039057.D (-2941) (-)
 Ion 77.00 (76.70 to 77.70): VU039057.D (-2941) (-)

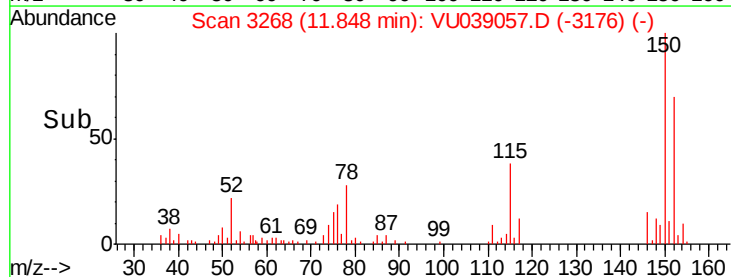
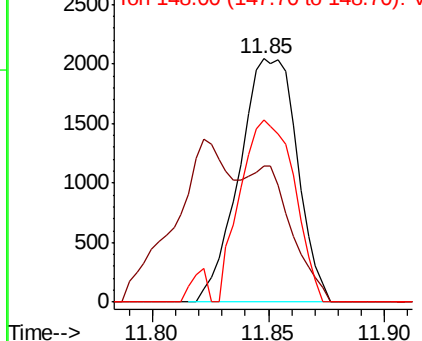


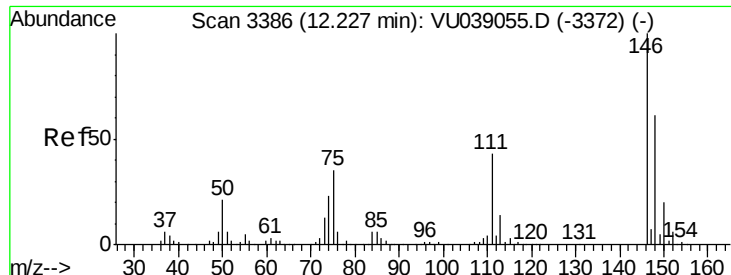
#63
 1,4-Dichlorobenzene
 Concen: 0.097 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU039057.D
 Acq: 24 Jun 2020 11:42

Tgt Ion: 146 Resp: 3529
 Ion Ratio Lower Upper
 146 100
 111 56.0 28.4 52.8#
 148 74.9 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): VU039057.D (-3256) (-)
 Ion 111.00 (110.70 to 111.70): VU039057.D (-3256) (-)
 Ion 148.00 (147.70 to 148.70): VU039057.D (-3256) (-)

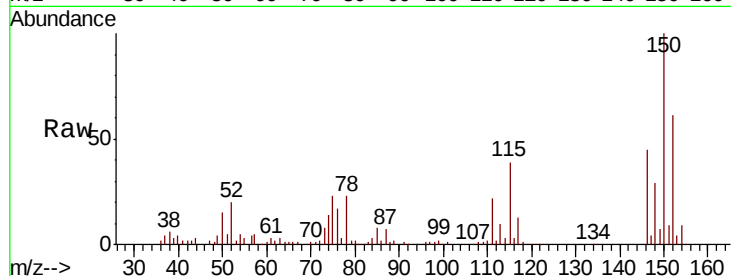




#65
 1,2-Dichlorobenzene
 Concen: 0.722 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU039057.D
 Acq: 24 Jun 2020 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXH9

Tot Ion:146 Resp: 25687
 Ion Ratio Lower Upper
 146 100
 111 48.6 34.7 52.1
 148 63.4 50.9 76.3



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

