

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062220\
 Data File : VU039016.D
 Acq On : 22 Jun 2020 20:01
 Operator : SY/MD
 Sample : L3061-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ2

Quant Time: Jun 23 01:28:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:25:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	270971	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	278010	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	129850	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	129112	5.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.00%
7) Chloroethane-d5	1.93	69	93290	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.00%
11) 1,1-Dichloroethene-d2	2.59	63	175005	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	4.66	46	377292	52.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.12%
24) Chloroform-d	5.10	84	211760	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.74	65	129549	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.76	84	430329	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.72	67	141797	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.92	98	361442	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	8.20	79	46160	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.65	63	280685	49.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.18%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	120397	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	135246	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	2215	0.147 ug/L	83
6) Bromomethane	1.87	94	1476	0.224 ug/L	86
8) Chloroethane	1.95	64	3238	0.213 ug/L #	62
12) 1,1-Dichloroethene	2.58	96	1448	0.074 ug/L #	1
13) Acetone	2.66	43	15064	3.295 ug/L	97
14) Carbon disulfide	2.83	76	7802	0.115 ug/L #	95
15) Methyl Acetate	2.80	43	44224	3.801 ug/L #	53
19) 1,1-Dichloroethane	3.91	63	23643	0.572 ug/L	96
34) Trichloroethene	6.28	95	4837	0.216 ug/L #	6
35) Methylcyclohexane	6.72	83	32208	0.949 ug/L #	17
37) 1,2-Dichloropropane	6.72	63	15887	0.658 ug/L #	87
38) Bromodichloromethane	6.94	83	2969	0.100 ug/L #	26
39) cis-1,3-Dichloropropene	7.59	75	3009	0.087 ug/L #	57
40) 4-Methyl-2-pentanone	7.74	43	134469	7.620 ug/L #	46
48) 2-Hexanone	8.71	43	14590	1.092 ug/L	97
51) Chlorobenzene	9.47	112	37280	0.647 ug/L	97
59) 1,2,3-Trichloropropane	11.83	75	28436	1.600 ug/L #	86

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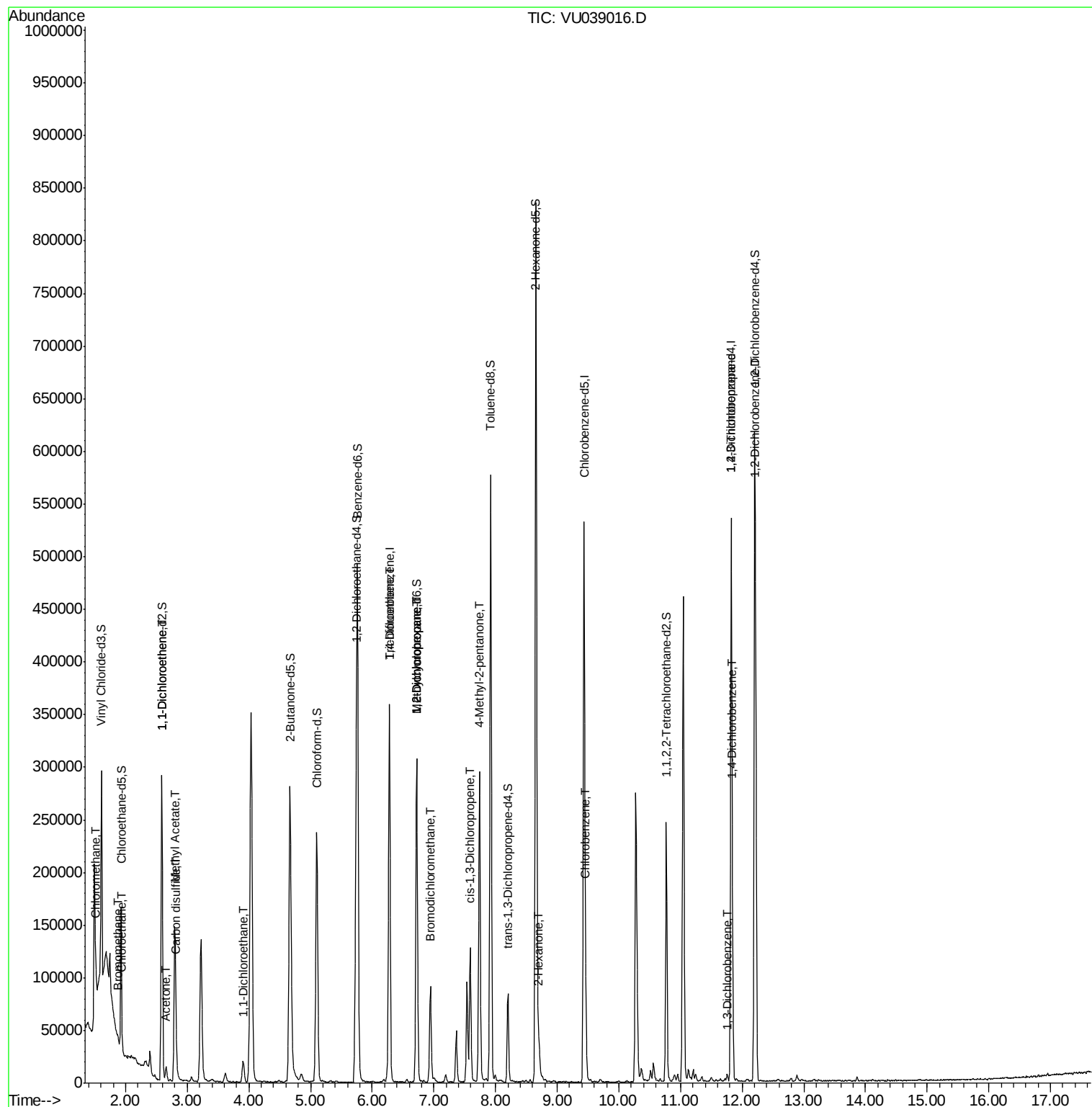
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3-Dichlorobenzene	11.75	146	2807	0.068	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	27218	0.641	ug/L	96
65) 1,2-Dichlorobenzene	12.22	146	97039	2.413	ug/L	97

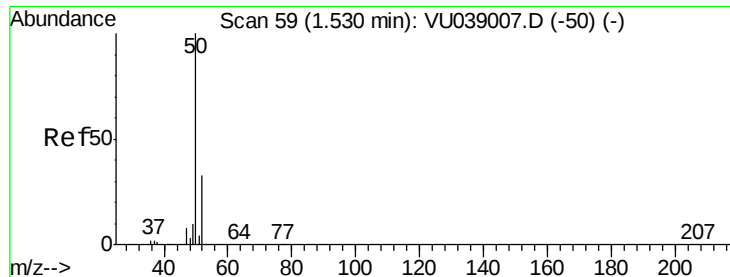
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.147 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039016.D

Acq: 22 Jun 2020 20:01

Instrument :

MSVOA_U

ClientSampled :

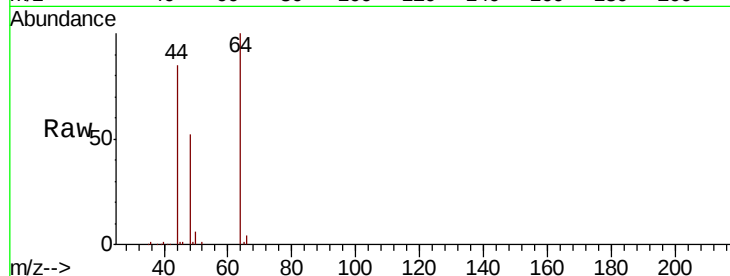
BFXJ2

Tot Ion: 50 Resp: 2215

Ion Ratio Lower Upper

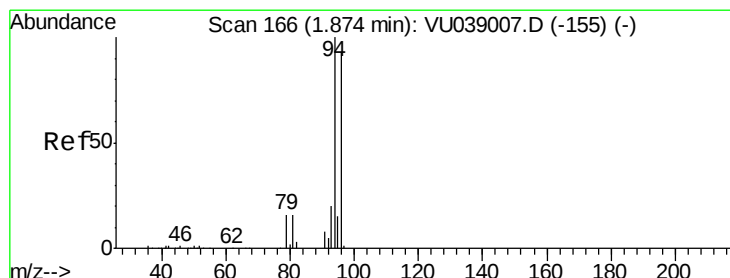
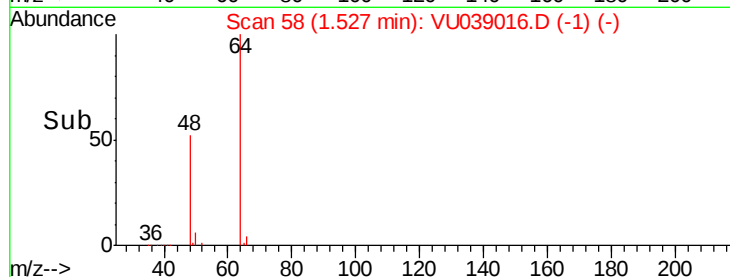
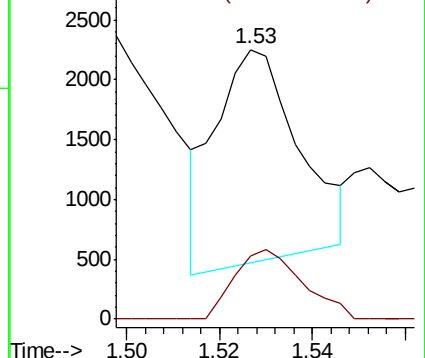
50 100

52 23.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#6

Bromomethane

Concen: 0.224 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU039016.D

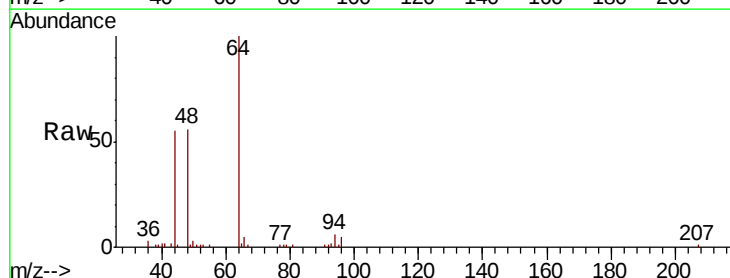
Acq: 22 Jun 2020 20:01

Tgt Ion: 94 Resp: 1476

Ion Ratio Lower Upper

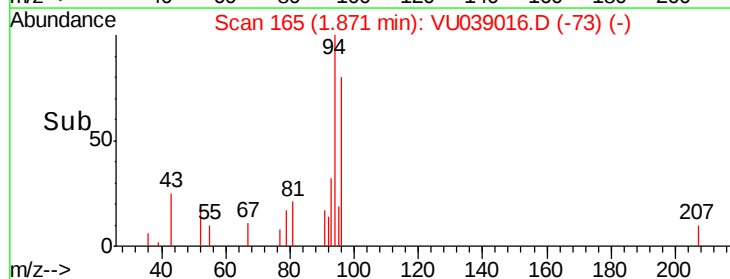
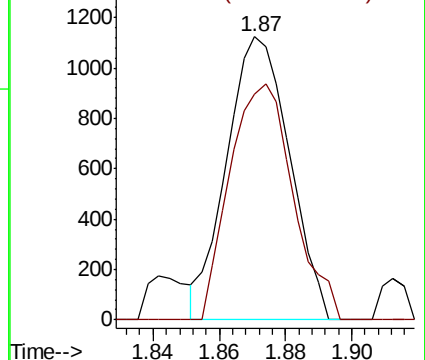
94 100

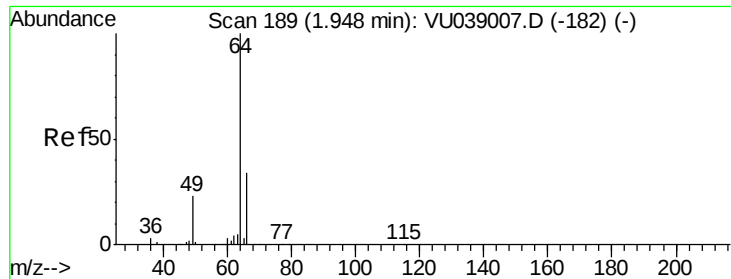
96 79.8 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.213 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU039016.D

Acq: 22 Jun 2020 20:01

Instrument :

MSVOA_U

ClientSampled :

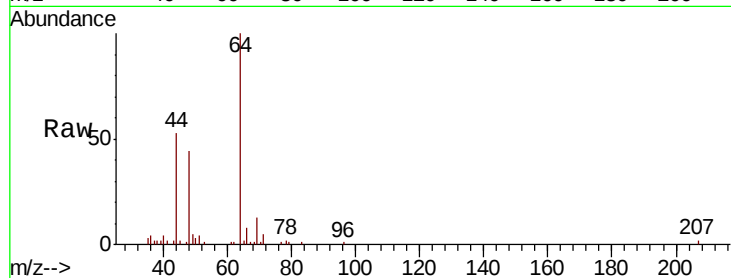
BFXJ2

Tot Ion: 64 Resp: 3238

Ion Ratio Lower Upper

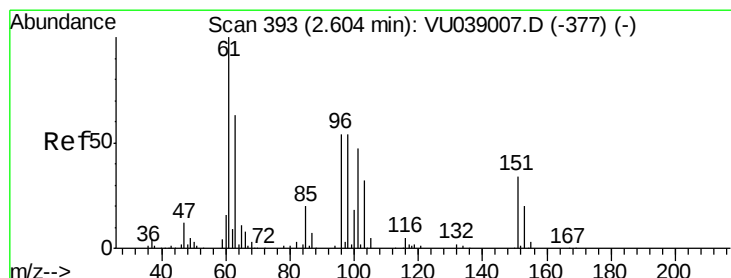
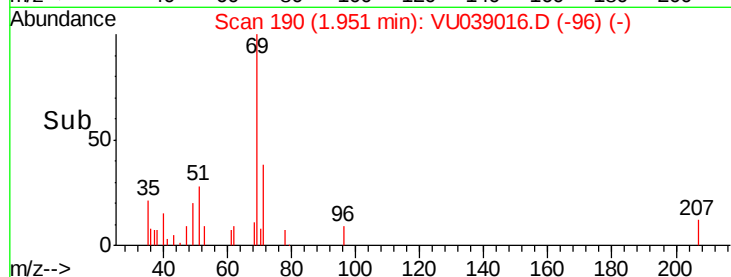
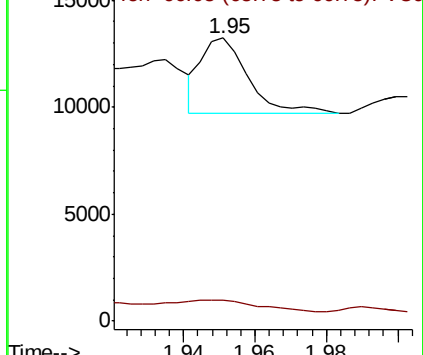
64 100

66 7.6 19.4 36.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#12

1,1-Dichloroethene

Concen: 0.074 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.02 min

Lab File: VU039016.D

Acq: 22 Jun 2020 20:01

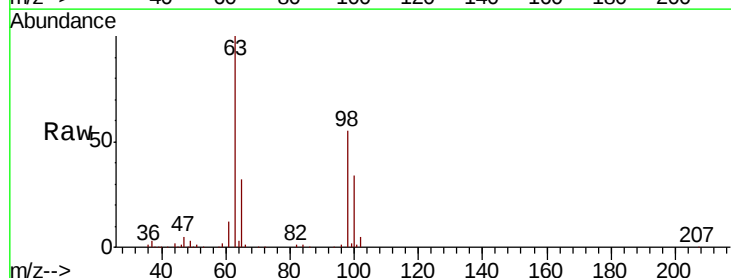
Tgt Ion: 96 Resp: 1448

Ion Ratio Lower Upper

96 100

61 1458.2 128.7 239.1#

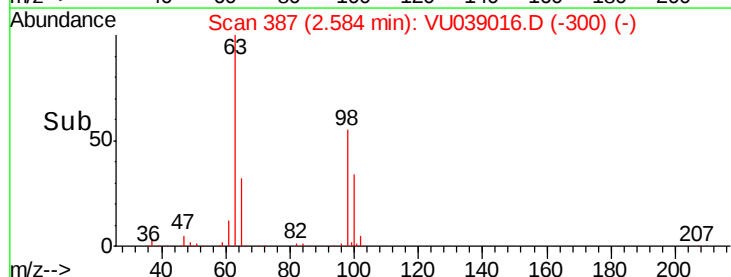
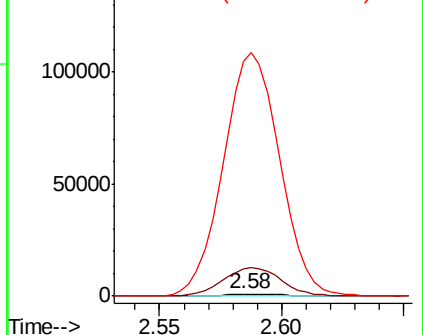
63 12338.1 101.5 188.5#

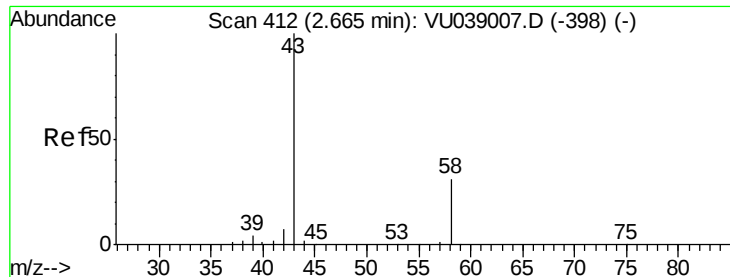


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.295 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039016.D

Acq: 22 Jun 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

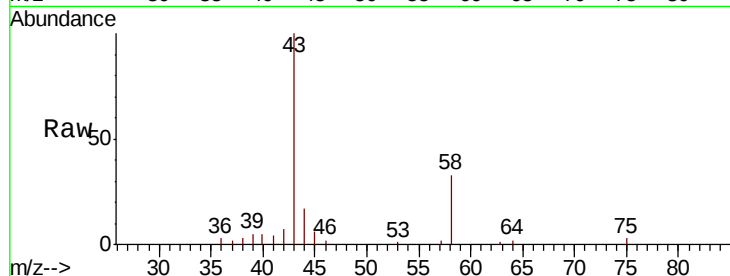
BFXJ2

Tot Ion: 43 Resp: 15064

Ion Ratio Lower Upper

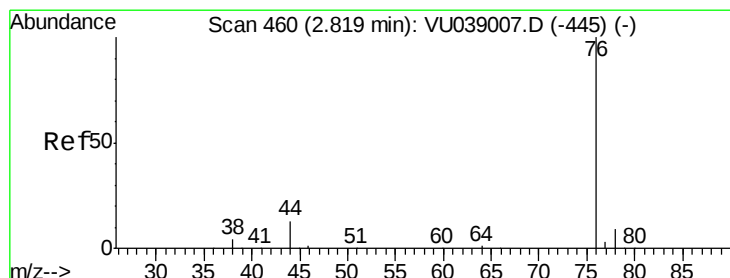
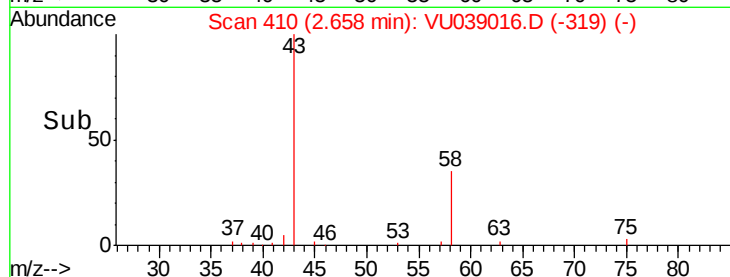
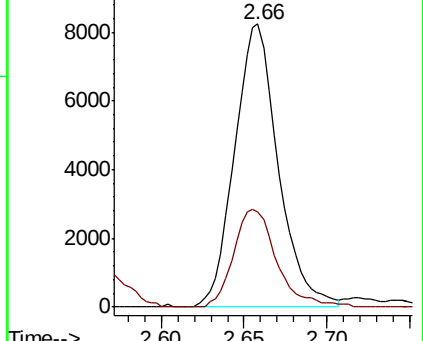
43 100

58 34.1 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039016.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU039016.D (-319) (-)



#14

Carbon disulfide

Concen: 0.115 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.01 min

Lab File: VU039016.D

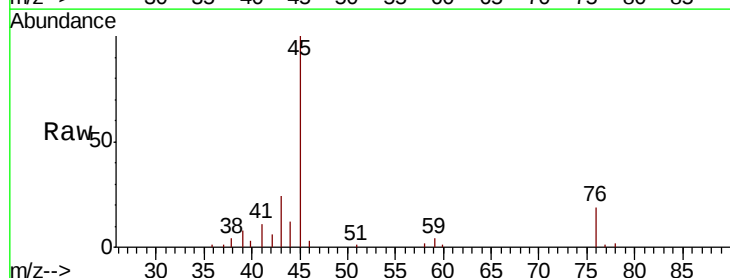
Acq: 22 Jun 2020 20:01

Tgt Ion: 76 Resp: 7802

Ion Ratio Lower Upper

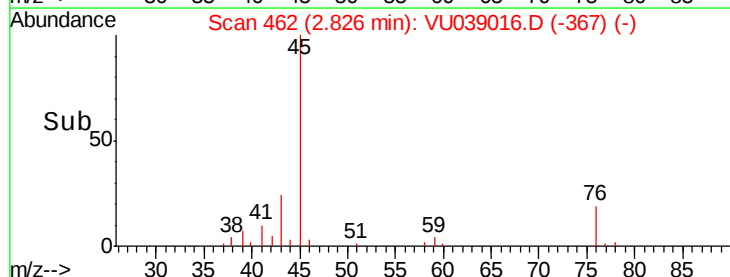
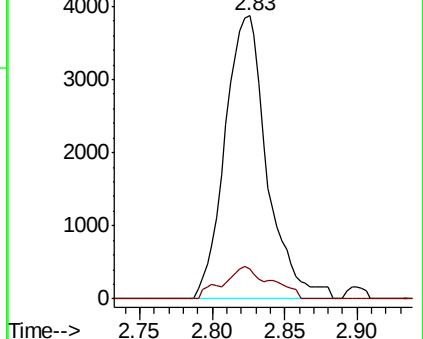
76 100

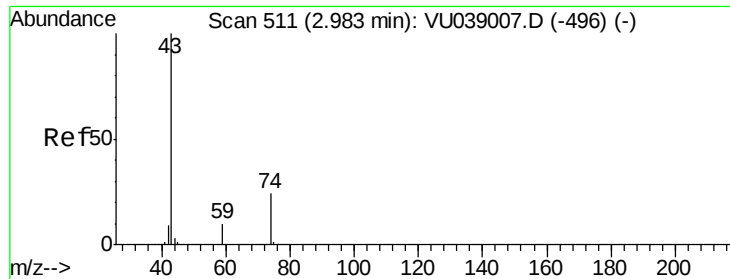
78 10.8 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU039016.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU039016.D (-367) (-)

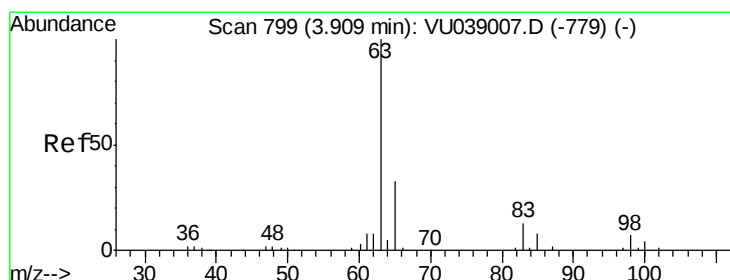
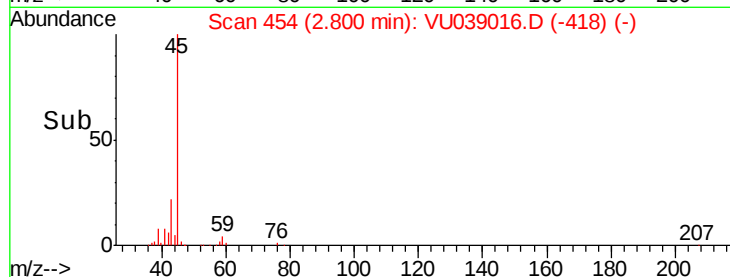
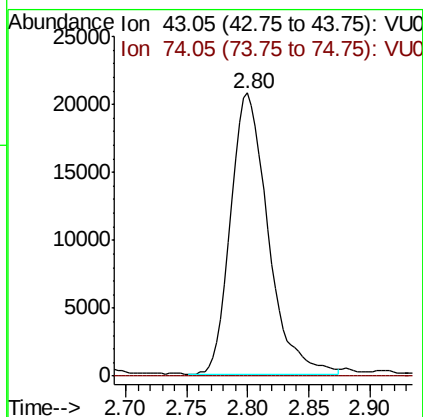
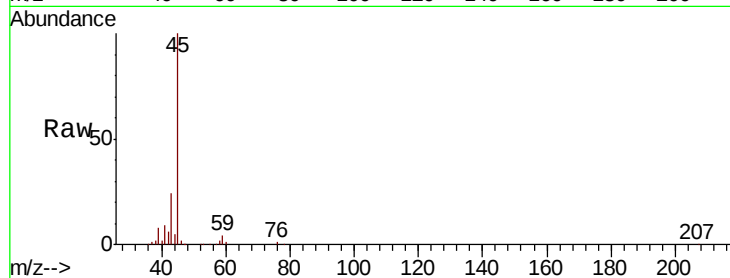




#15
Methvl Acetate
Concen: 3.801 ug/L
RT: 2.80 min Scan# 454
Delta R.T. -0.18 min
Lab File: VU039016.D
Acq: 22 Jun 2020 20:01

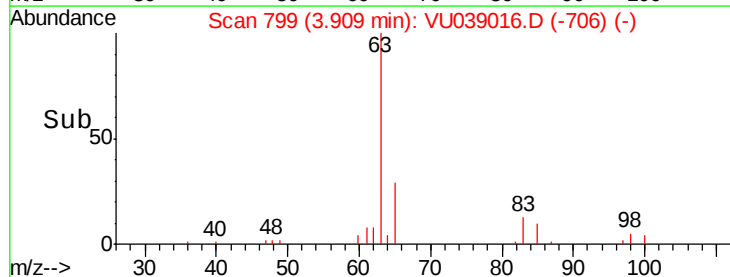
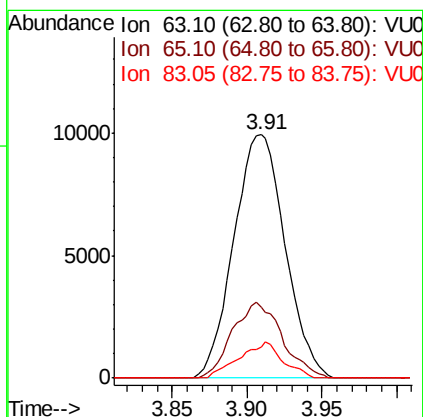
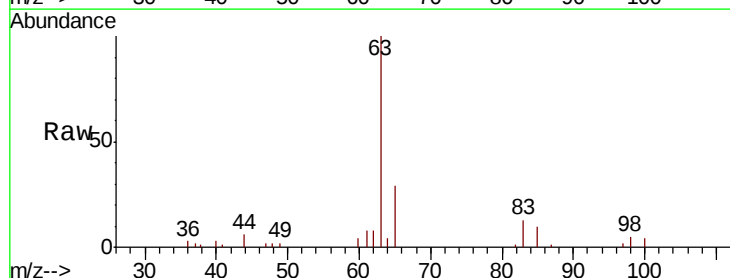
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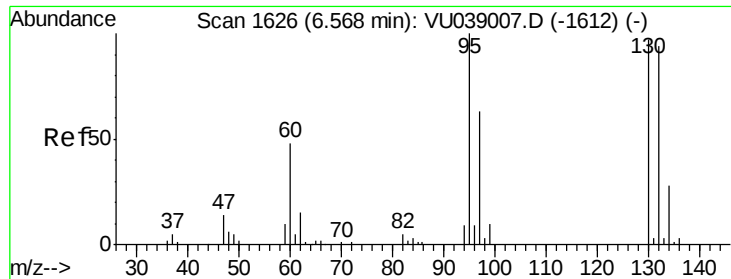
Tot Ion: 43 Resp: 44224
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#19
1,1-Dichloroethane
Concen: 0.572 ug/L
RT: 3.91 min Scan# 799
Delta R.T. 0.00 min
Lab File: VU039016.D
Acq: 22 Jun 2020 20:01

Tgt Ion: 63 Resp: 23643
Ion Ratio Lower Upper
63 100
65 29.0 22.5 41.7
83 13.0 9.2 17.2

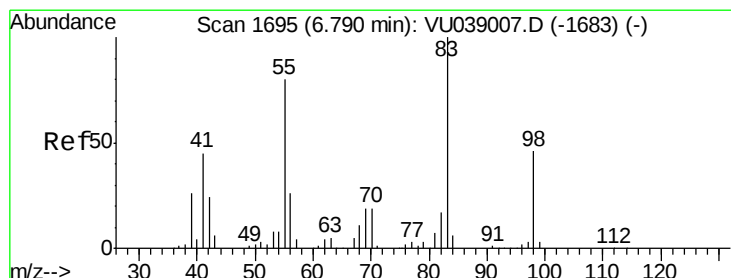
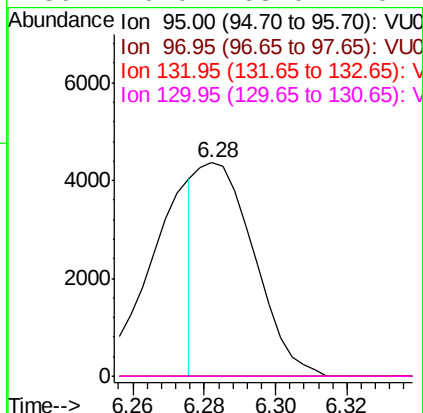
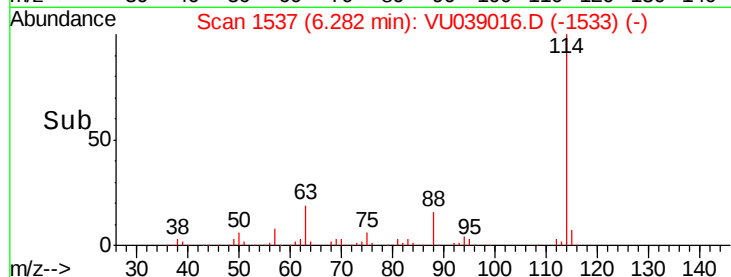
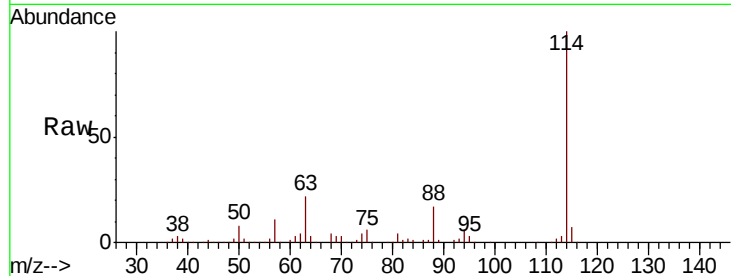




#34
 Trichloroethene
 Concen: 0.216 ug/L
 RT: 6.28 min Scan# 1537
 Delta R.T. -0.29 min
 Lab File: VU039016.D
 Acq: 22 Jun 2020 20:01

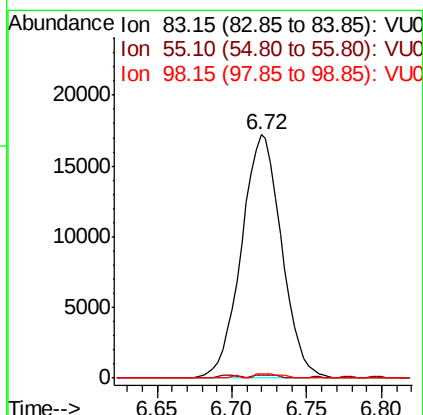
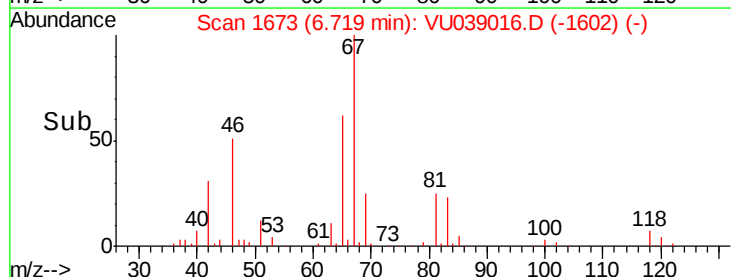
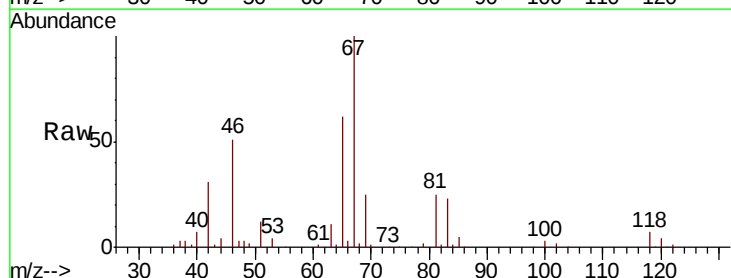
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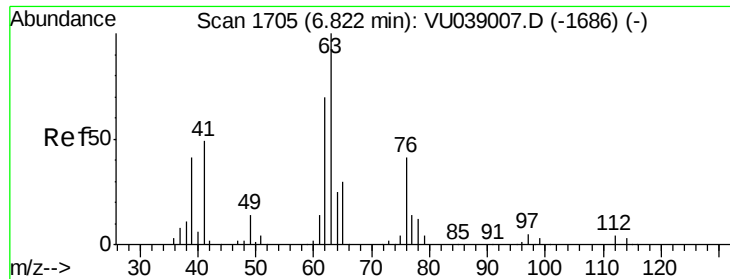
Tot Ion: 95 Resp: 4837
 Ion Ratio Lower Upper
 95 100
 97 0.0 46.0 85.4#
 132 0.0 65.0 120.6#
 130 0.0 68.0 126.2#



#35
 Methylcyclohexane
 Concen: 0.949 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.07 min
 Lab File: VU039016.D
 Acq: 22 Jun 2020 20:01

Tgt Ion: 83 Resp: 32208
 Ion Ratio Lower Upper
 83 100
 55 0.0 65.1 97.7#
 98 1.2 37.0 55.4#

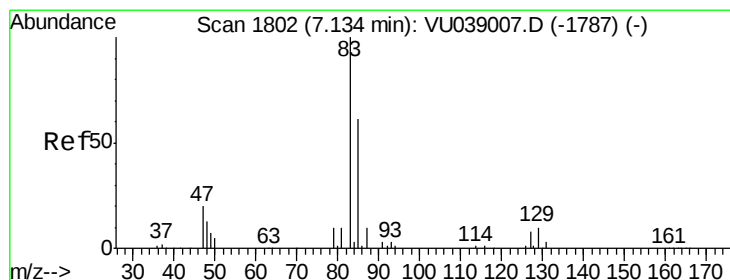
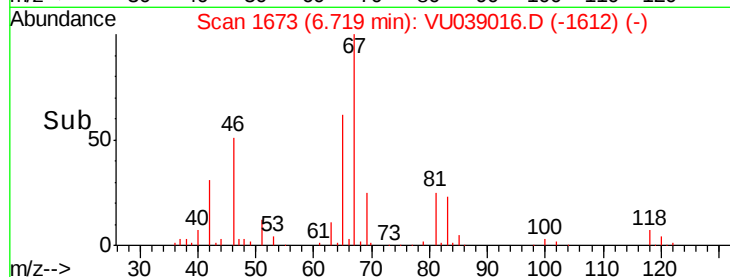
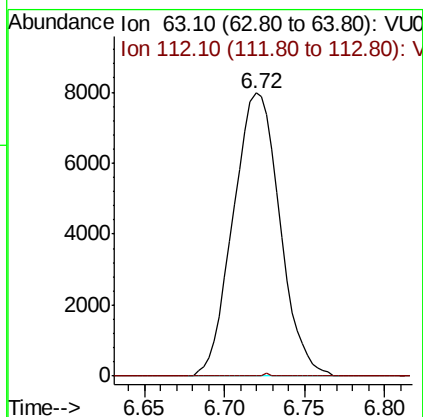
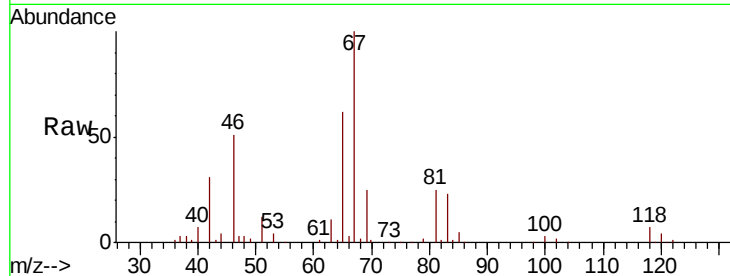




#37
 1,2-Dichloropropane
 Concen: 0.658 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU039016.D
 Acq: 22 Jun 2020 20:01

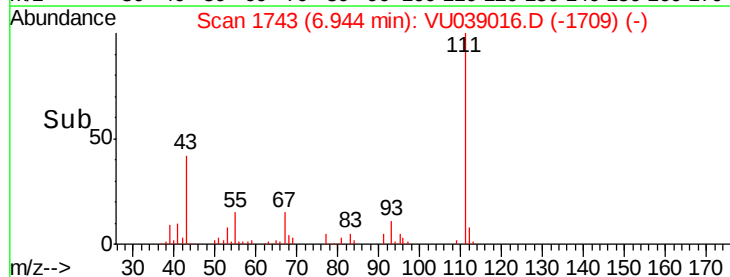
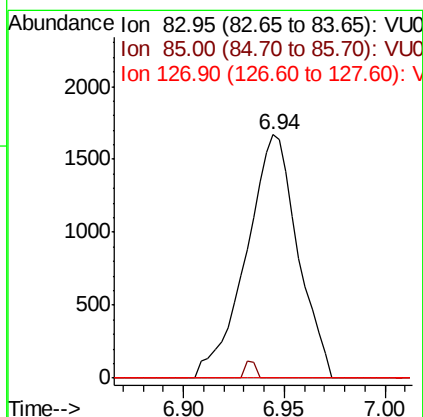
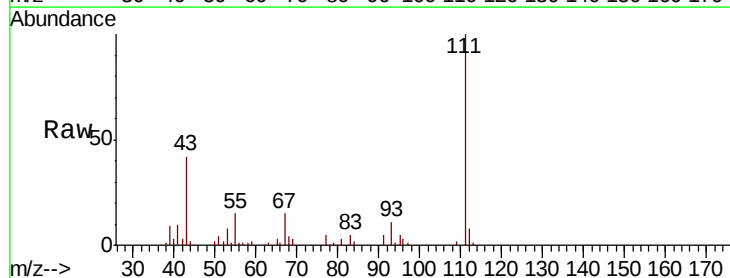
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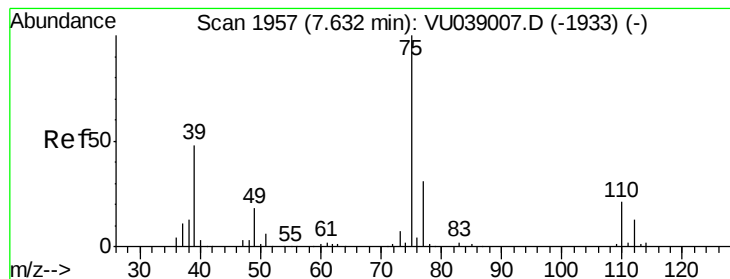
Tot Ion: 63 Resp: 15887
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 0.100 ug/L
 RT: 6.94 min Scan# 1743
 Delta R.T. -0.19 min
 Lab File: VU039016.D
 Acq: 22 Jun 2020 20:01

Tgt Ion: 83 Resp: 2969
 Ion Ratio Lower Upper
 83 100
 85 0.0 43.6 81.0#
 127 0.0 6.1 9.1#



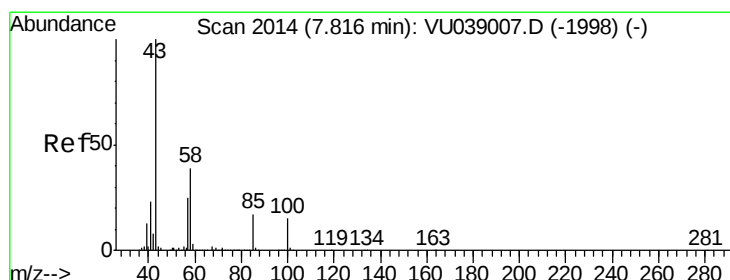
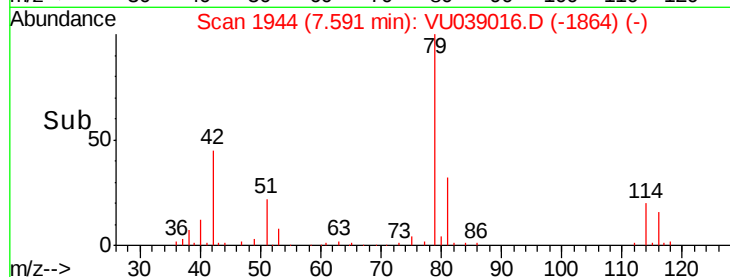
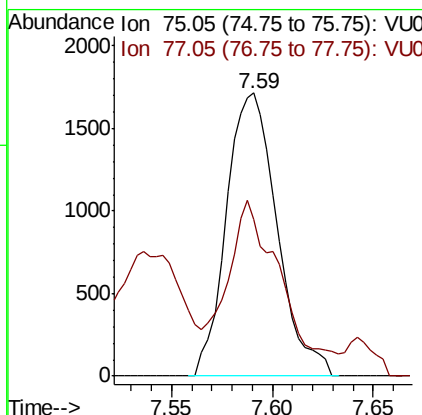
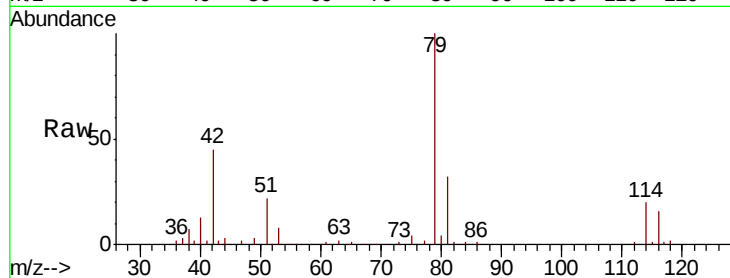


#39

cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU039016.D
 Acq: 22 Jun 2020 20:01

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ2

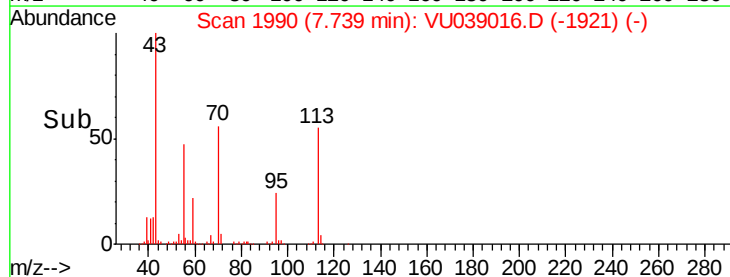
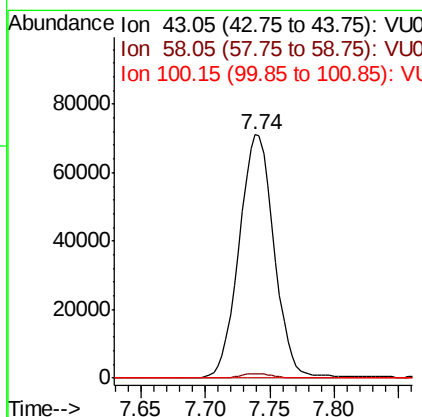
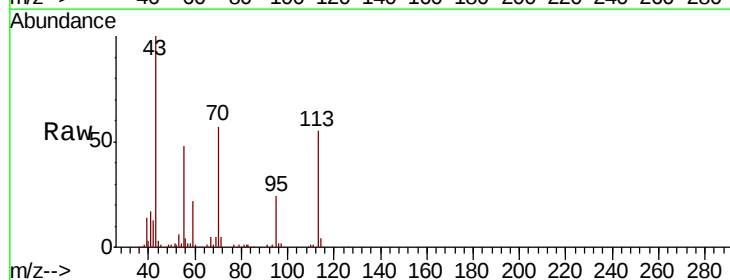
Tot Ion: 75 Resp: 3009
 Ion Ratio Lower Upper
 75 100
 77 55.4 22.0 41.0#

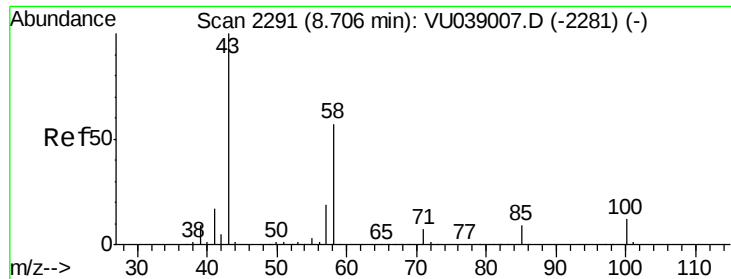


#40

4-Methyl-2-pentanone
 Concen: 7.620 ug/L
 RT: 7.74 min Scan# 1990
 Delta R.T. -0.08 min
 Lab File: VU039016.D
 Acq: 22 Jun 2020 20:01

Tgt Ion: 43 Resp: 134469
 Ion Ratio Lower Upper
 43 100
 58 1.7 31.4 47.0#
 100 0.0 11.6 17.4#

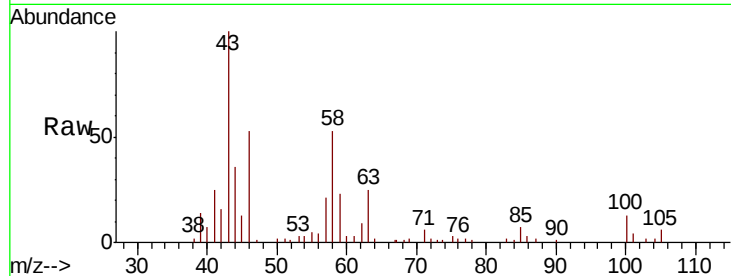




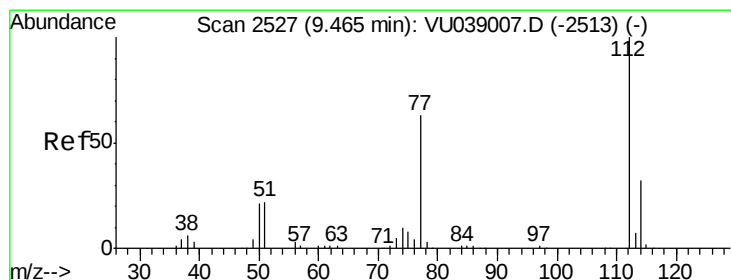
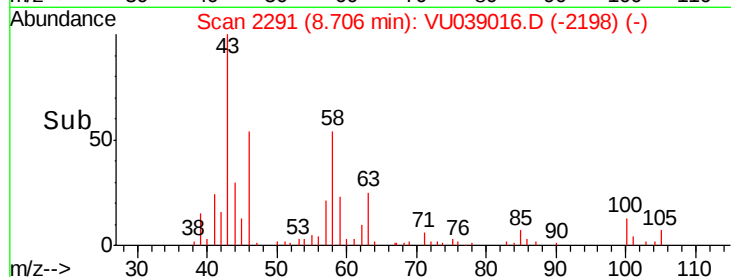
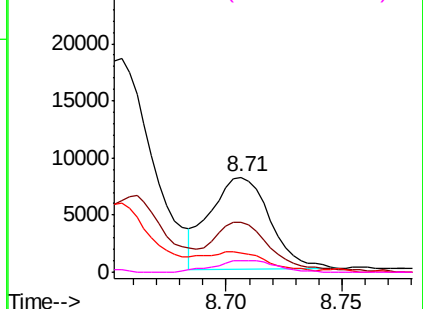
#48
2-Hexanone
Concen: 1.092 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039016.D
Acq: 22 Jun 2020 20:01

Instrument :
MSVOA_U
ClientSampleId :
BFXJ2

Tot Ion:	43	Resp:	14590
Ion	Ratio	Lower	Upper
43	100		
58	53.9	43.5	65.3
57	22.4	15.0	22.4
100	13.2	9.4	14.2

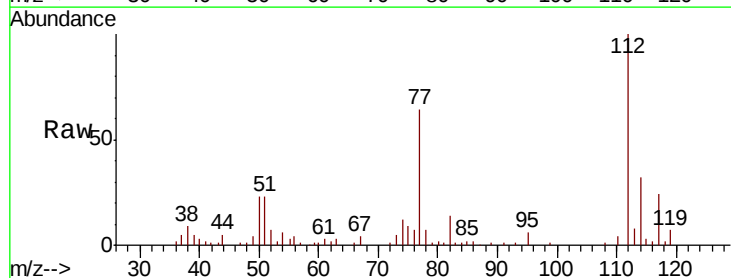


Abundance Ion 43.05 (42.75 to 43.75): VU039016.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VU039016.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VU039016.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VU039016.D (-2198) (-)

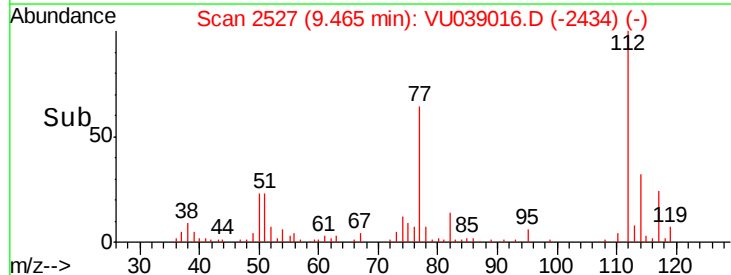
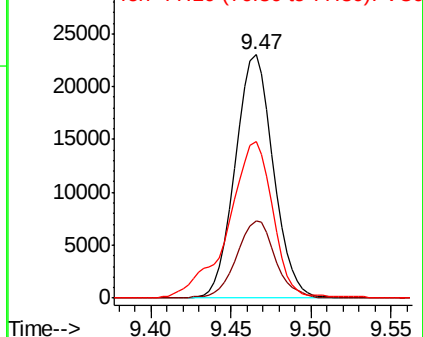


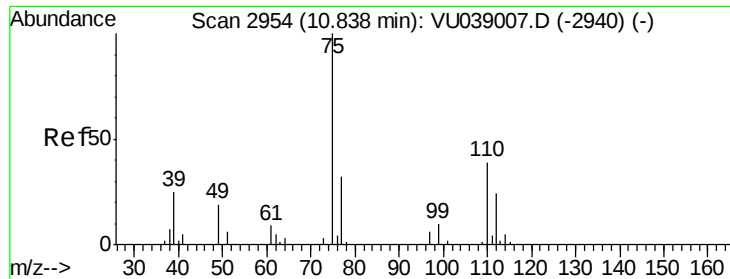
#51
Chlorobenzene
Concen: 0.647 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU039016.D
Acq: 22 Jun 2020 20:01

Tgt Ion:	112	Resp:	37280
Ion	Ratio	Lower	Upper
112	100		
114	31.7	23.0	42.8
77	64.3	49.2	73.8



Abundance Ion 112.10 (111.80 to 112.80): VU039016.D (-2434) (-)
Ion 114.05 (113.75 to 114.75): VU039016.D (-2434) (-)
Ion 77.10 (76.80 to 77.80): VU039016.D (-2434) (-)

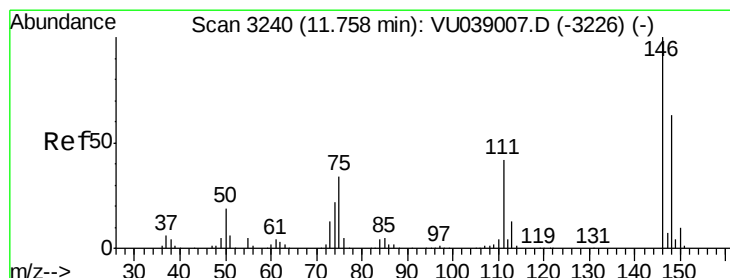
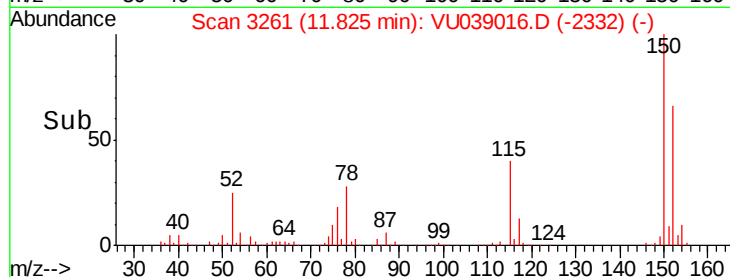
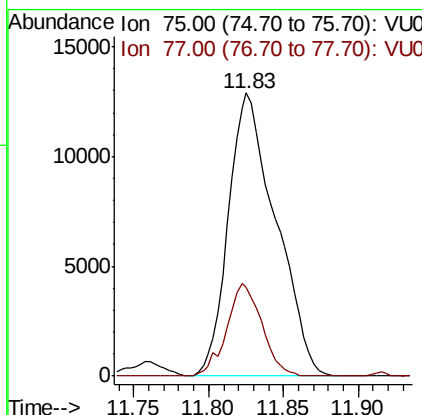
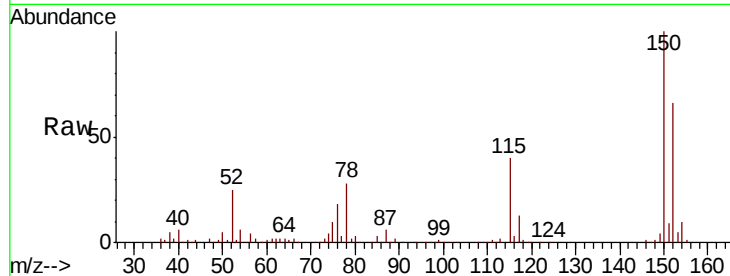




#59
 1,2,3-Trichloropropane
 Concen: 1.600 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.99 min
 Lab File: VU039016.D
 Acq: 22 Jun 2020 20:01

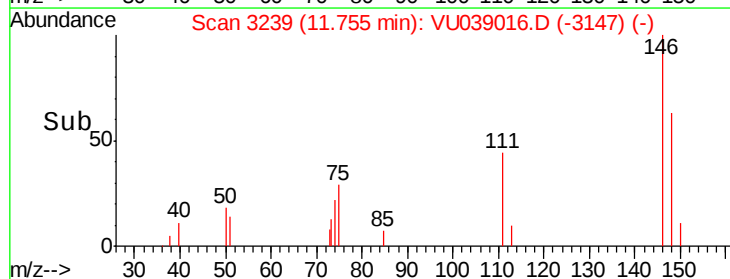
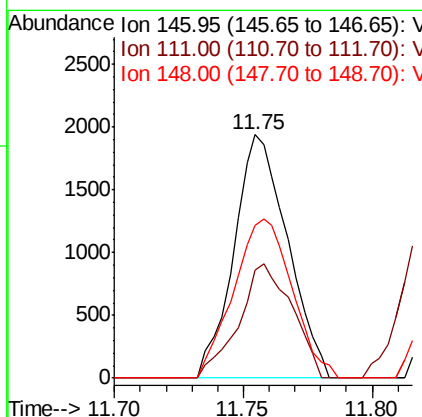
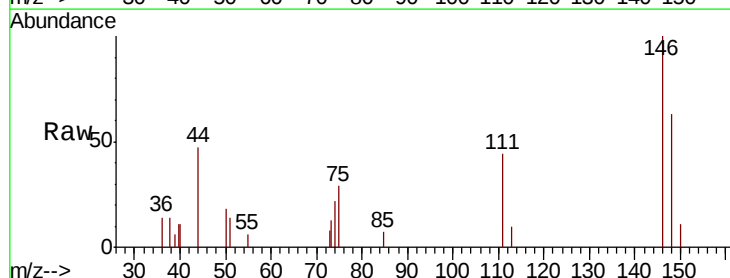
Instrument :
 MSVOA_U
 ClientSampled :
 BFXJ2

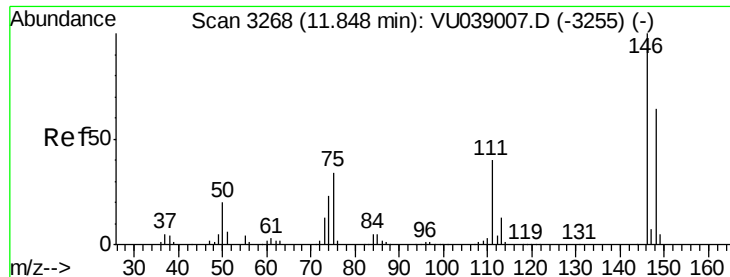
Tot Ion: 75 Resp: 28436
 Ion Ratio Lower Upper
 75 100
 77 24.2 25.5 38.3#



#62
 1,3-Dichlorobenzene
 Concen: 0.068 ug/L
 RT: 11.75 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU039016.D
 Acq: 22 Jun 2020 20:01

Tgt Ion: 146 Resp: 2807
 Ion Ratio Lower Upper
 146 100
 111 44.3 29.3 54.5
 148 62.9 43.8 81.3

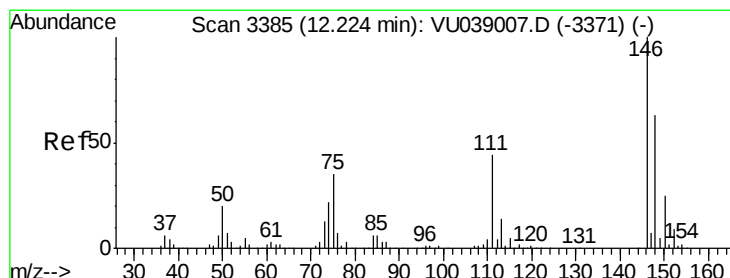
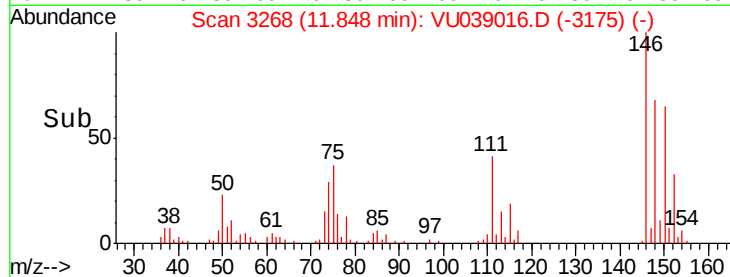
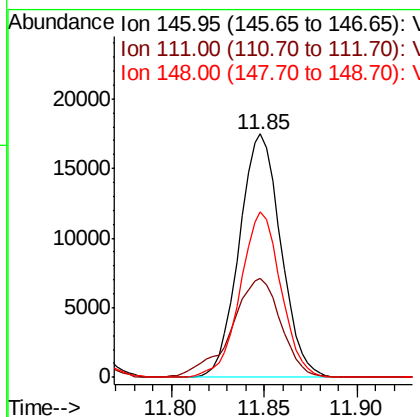
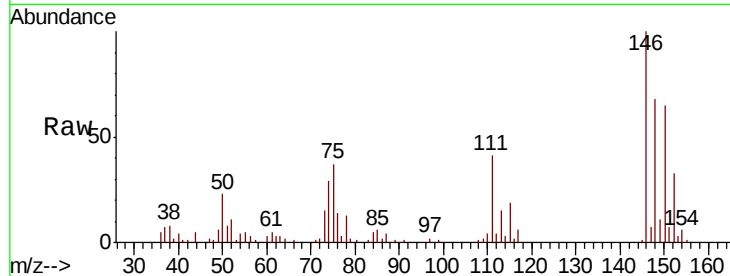




#63
 1,4-Dichlorobenzene
 Concen: 0.641 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU039016.D
 Acq: 22 Jun 2020 20:01

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ2

Tot Ion:146 Resp: 27218
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.9 51.7
 148 68.2 44.2 82.2



#65
 1,2-Dichlorobenzene
 Concen: 2.413 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU039016.D
 Acq: 22 Jun 2020 20:01

Tgt Ion:146 Resp: 97039
 Ion Ratio Lower Upper
 146 100
 111 45.1 34.2 51.2
 148 66.0 51.4 77.0

