

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062220\
 Data File : VU039017.D
 Acq On : 22 Jun 2020 20:24
 Operator : SY/MD
 Sample : L3061-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ3

Quant Time: Jun 23 01:28:58 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	264205	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	271824	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	130825	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	128835	5.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.80%
7) Chloroethane-d5	1.93	69	95378	6.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.80%
11) 1,1-Dichloroethene-d2	2.59	63	173767	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	4.67	46	315753	44.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.36%
24) Chloroform-d	5.10	84	208348	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.74	65	126916	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.76	84	435613	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
36) 1,2-Dichloropropane-d6	6.72	67	140021	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.92	98	358357	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	8.20	79	45730	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.65	63	255068	46.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.18%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	120243	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	136950	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

				Ovalue
3) Chloromethane	1.49	50	35973	2.453 ug/L # 42
6) Bromomethane	1.87	94	1157	0.180 ug/L 93
8) Chloroethane	1.95	64	17718	1.194 ug/L # 79
12) 1,1-Dichloroethene	2.59	96	1281	0.067 ug/L # 1
13) Acetone	2.66	43	16125	3.617 ug/L 97
14) Carbon disulfide	2.83	76	12738	0.193 ug/L 98
21) 2-Butanone	4.77	43	10268	1.428 ug/L 95
22) cis-1,2-Dichloroethene	4.70	96	12194	0.559 ug/L 98
25) Chloroform	5.12	83	10630	0.254 ug/L 96
33) Benzene	5.81	78	58985	0.672 ug/L 100
35) Methylcyclohexane	6.72	83	33270	1.003 ug/L # 17
37) 1,2-Dichloropropane	6.72	63	15344	0.650 ug/L # 87
38) Bromodichloromethane	6.94	83	12435	0.427 ug/L # 32
39) cis-1,3-Dichloropropene	7.59	75	3140	0.093 ug/L # 45
40) 4-Methyl-2-pentanone	7.74	43	45099	2.614 ug/L # 45
42) Toluene	7.99	91	161469	1.831 ug/L 98
48) 2-Hexanone	8.71	43	13638	1.044 ug/L # 96

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QLast Update : Tue Jun 23 01:25:34 2020
Response via : Initial Calibration

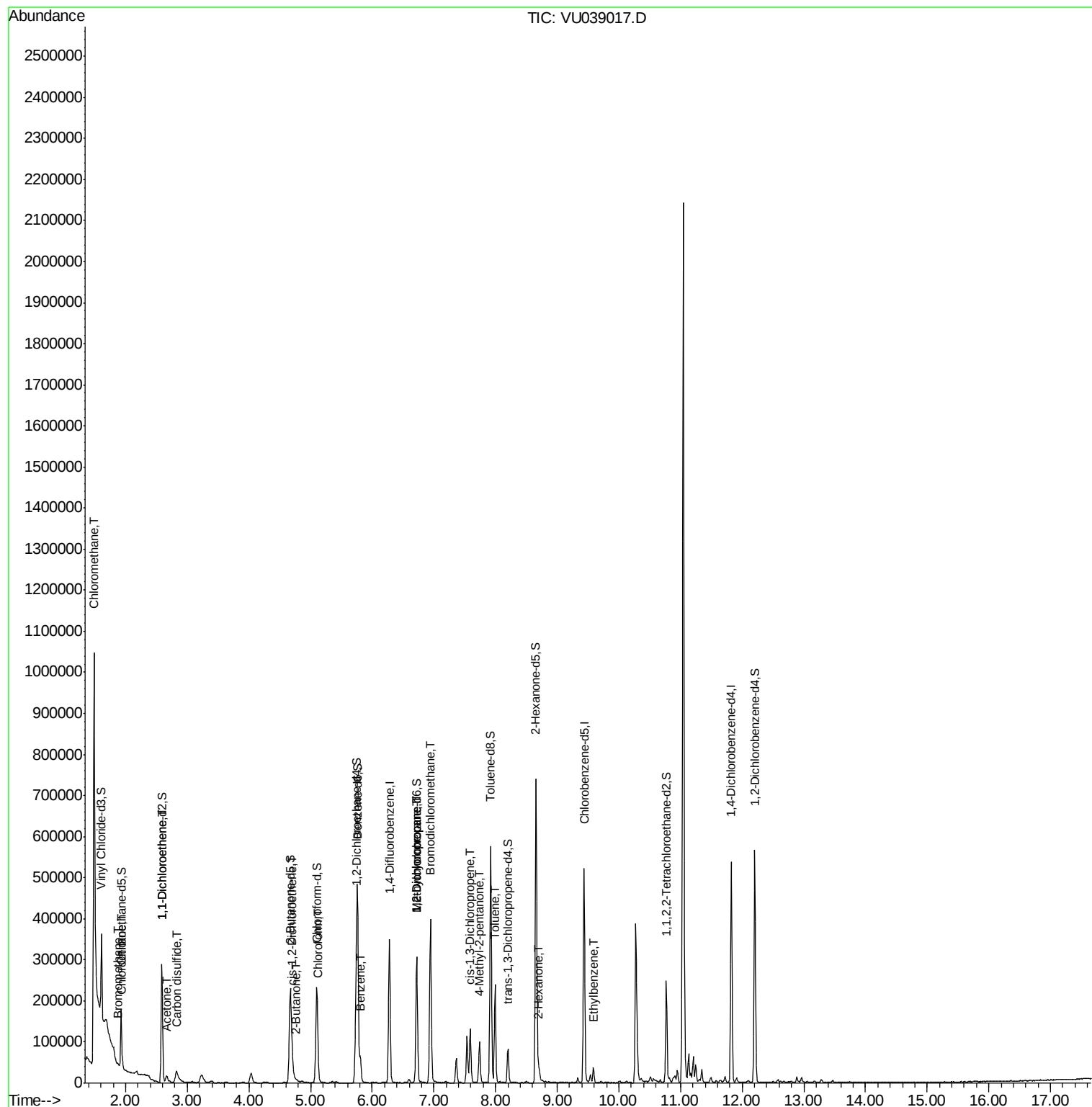
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.59	91	23373	0.247	ug/L	92

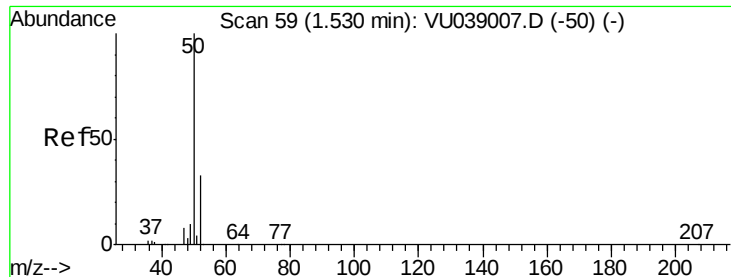
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.453 ug/L

RT: 1.49 min Scan# 46

Delta R.T. -0.04 min

Lab File: VU039017.D

Acq: 22 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

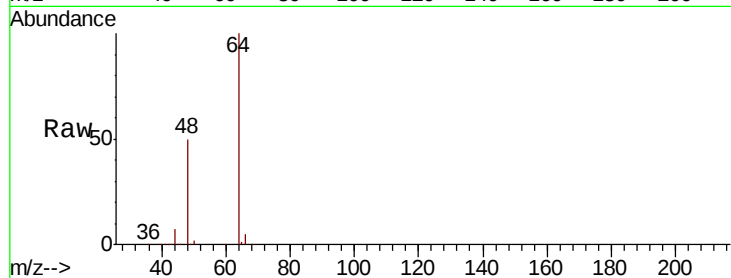
BFXJ3

Tot Ion: 50 Resp: 35973

Ion Ratio Lower Upper

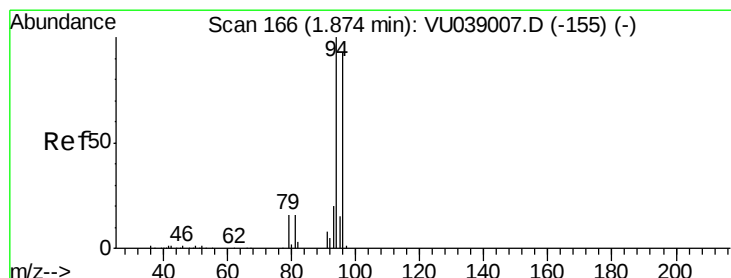
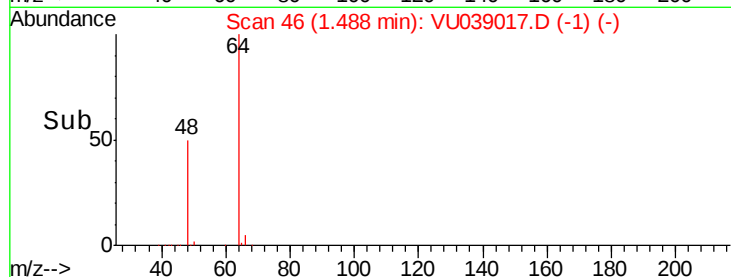
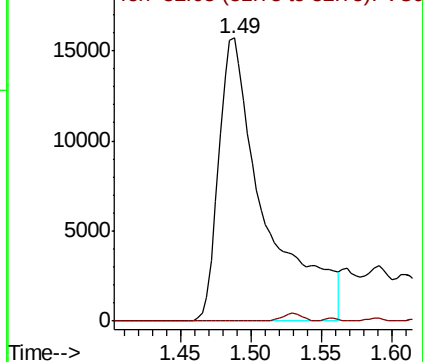
50 100

52 0.0 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: 0.180 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU039017.D

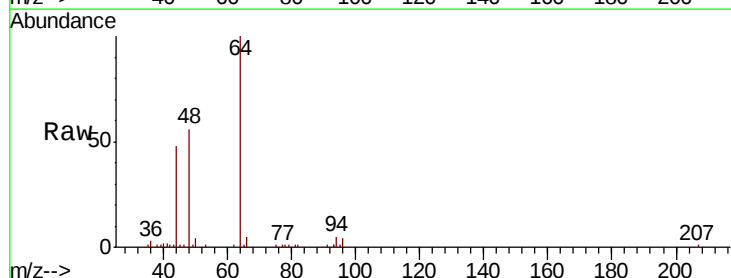
Acq: 22 Jun 2020 20:24

Tgt Ion: 94 Resp: 1157

Ion Ratio Lower Upper

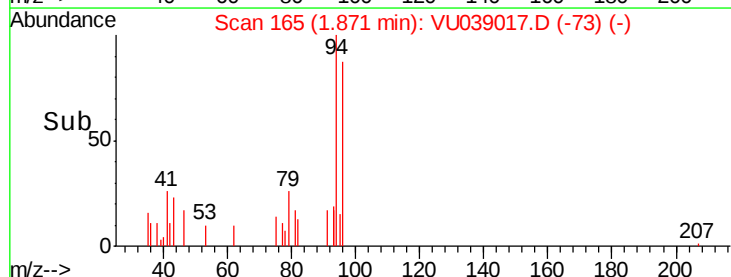
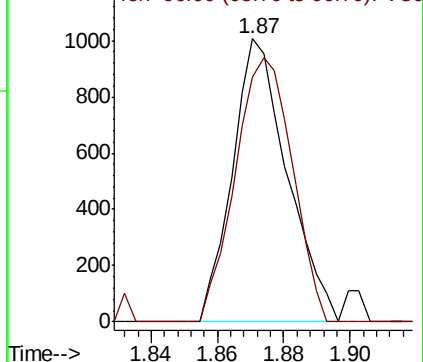
94 100

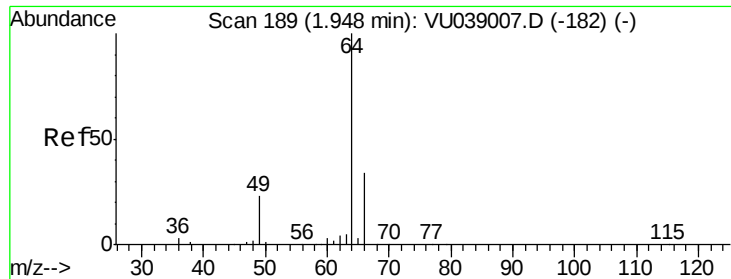
96 86.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.194 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU039017.D

Acq: 22 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

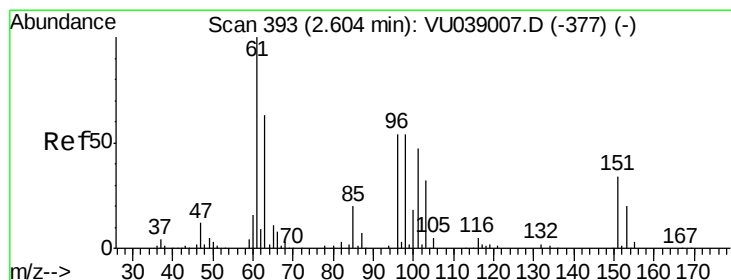
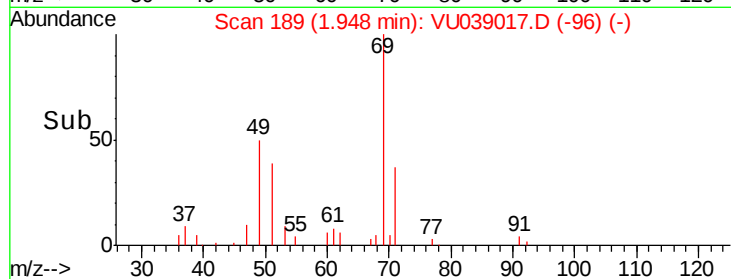
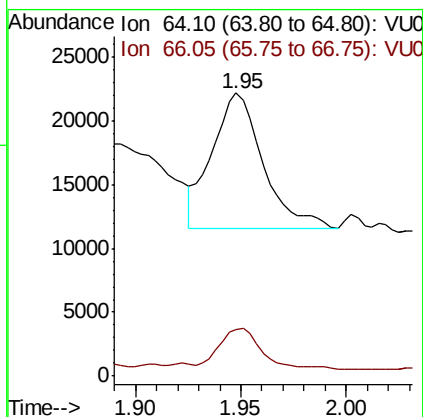
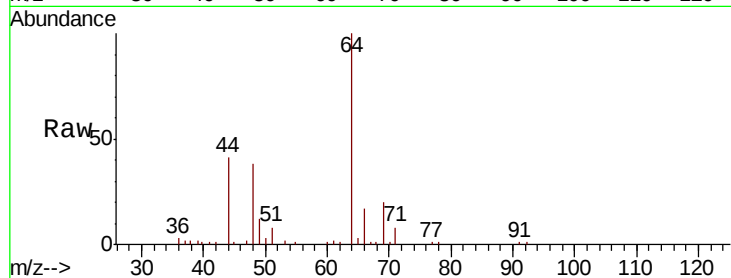
BFXJ3

Tot Ion: 64 Resp: 17718

Ion Ratio Lower Upper

64 100

66 16.6 19.4 36.0#



#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU039017.D

Acq: 22 Jun 2020 20:24

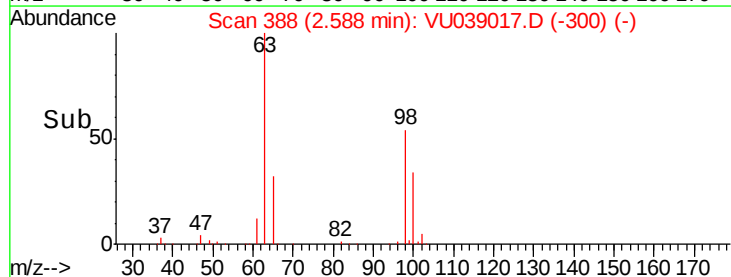
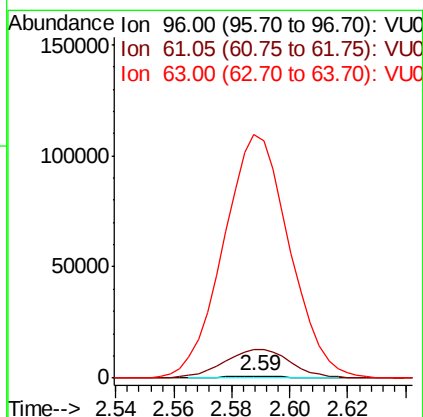
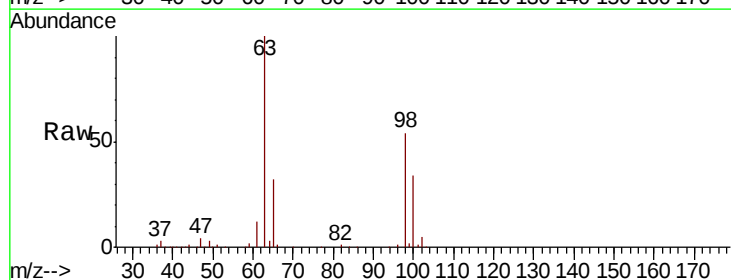
Tgt Ion: 96 Resp: 1281

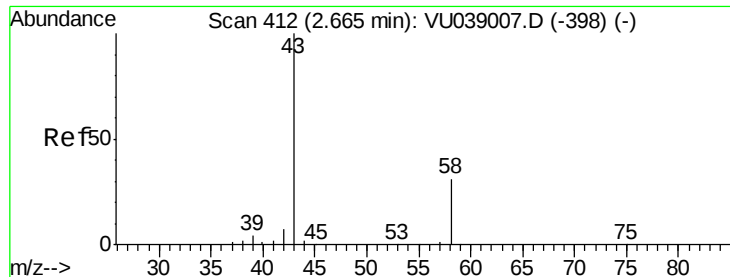
Ion Ratio Lower Upper

96 100

61 1402.6 128.7 239.1#

63 11787.3 101.5 188.5#





#13

Acetone

Concen: 3.617 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU039017.D

Acq: 22 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

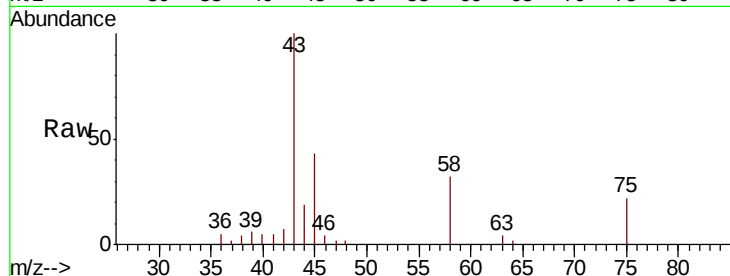
BFXJ3

Tot Ion: 43 Resp: 16125

Ion Ratio Lower Upper

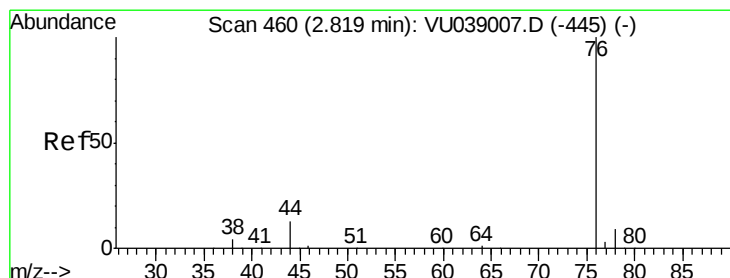
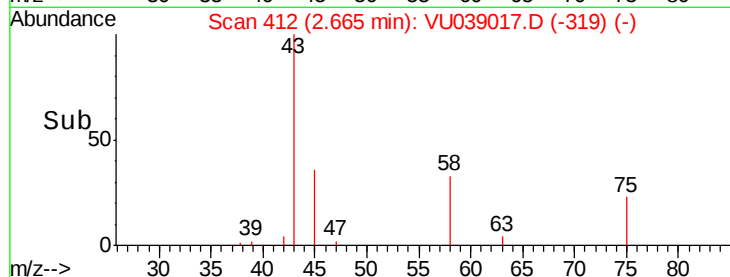
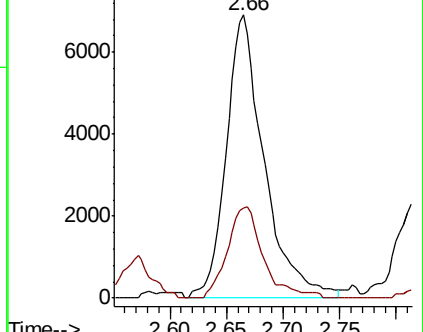
43 100

58 30.6 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039017.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU039017.D (-398) (-)



#14

Carbon disulfide

Concen: 0.193 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.01 min

Lab File: VU039017.D

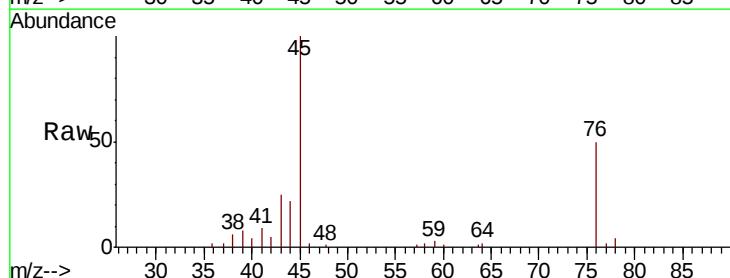
Acq: 22 Jun 2020 20:24

Tgt Ion: 76 Resp: 12738

Ion Ratio Lower Upper

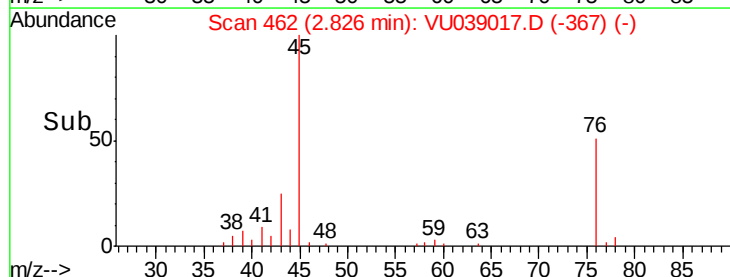
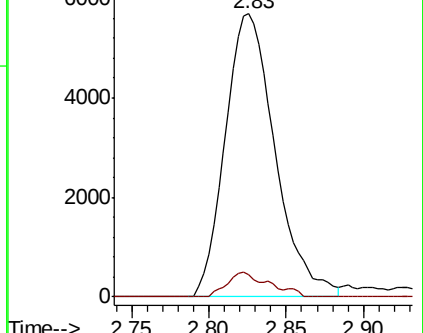
76 100

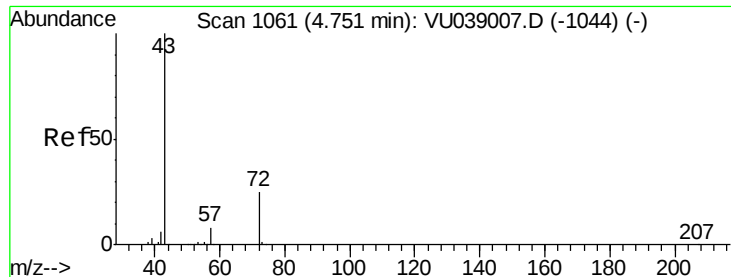
78 8.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039017.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU039017.D (-445) (-)

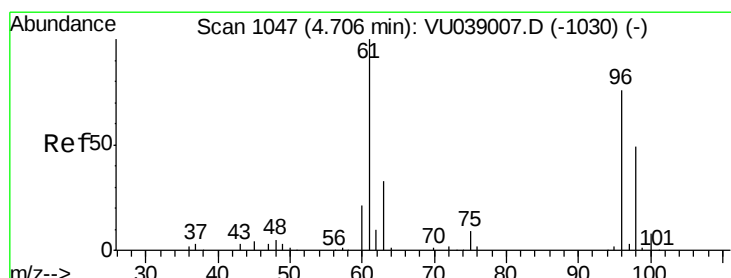
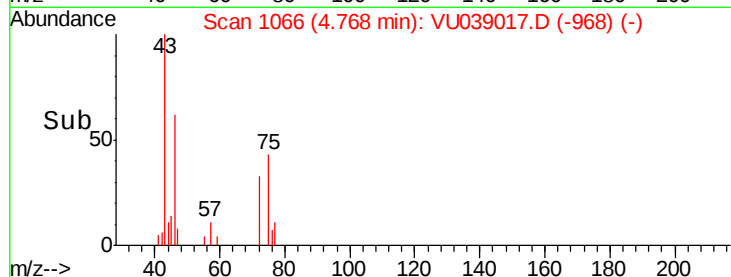
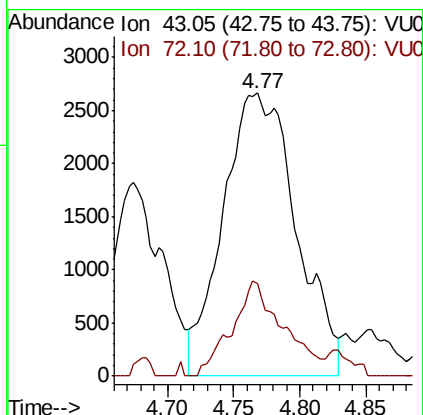
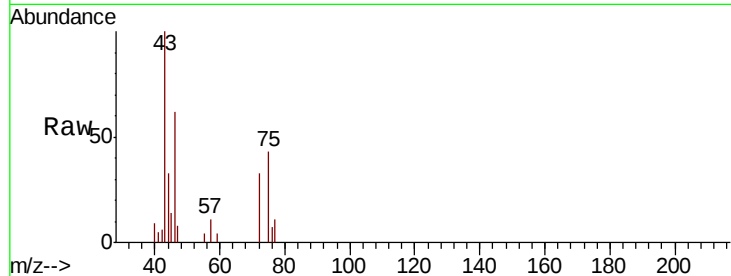




#21
2-Butanone
Concen: 1.428 ug/L
RT: 4.77 min Scan# 1066
Delta R.T. 0.02 min
Lab File: VU039017.D
Acq: 22 Jun 2020 20:24

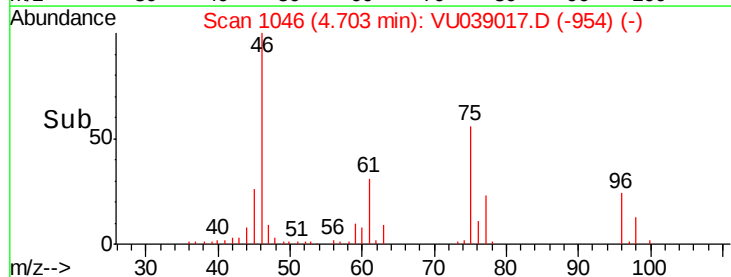
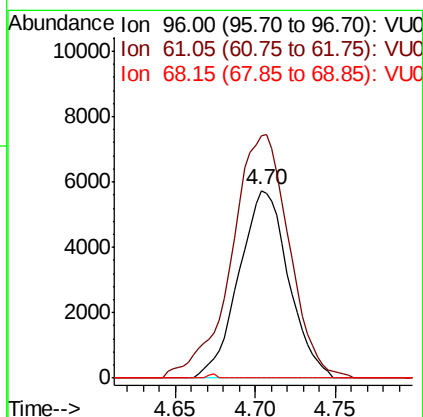
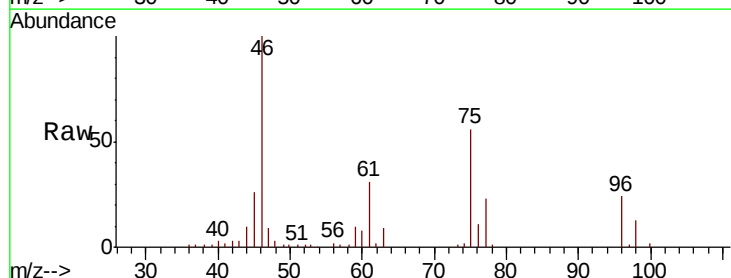
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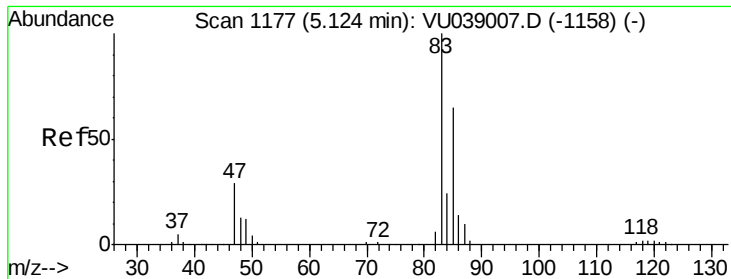
Tot Ion: 43 Resp: 10268
Ion Ratio Lower Upper
43 100
72 23.6 13.1 39.3



#22
cis-1,2-Dichloroethene
Concen: 0.559 ug/L
RT: 4.70 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU039017.D
Acq: 22 Jun 2020 20:24

Tgt Ion: 96 Resp: 12194
Ion Ratio Lower Upper
96 100
61 129.2 92.0 170.8
68 0.0 0.0 0.0

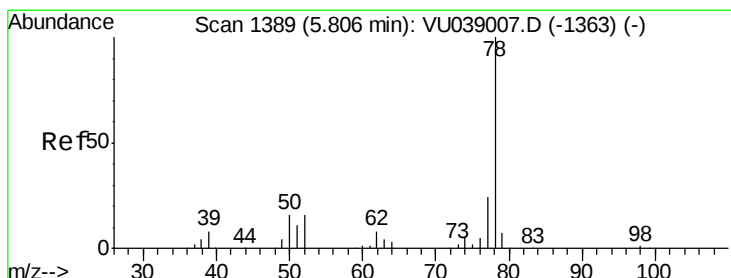
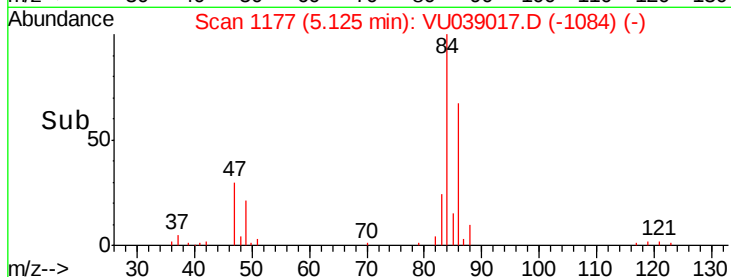
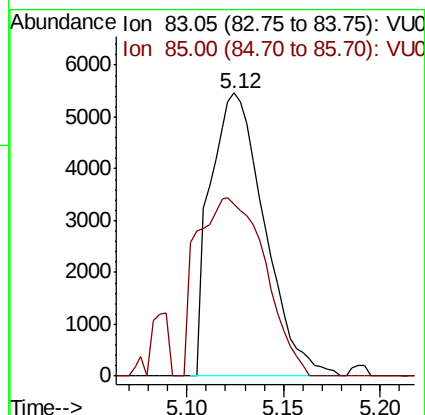
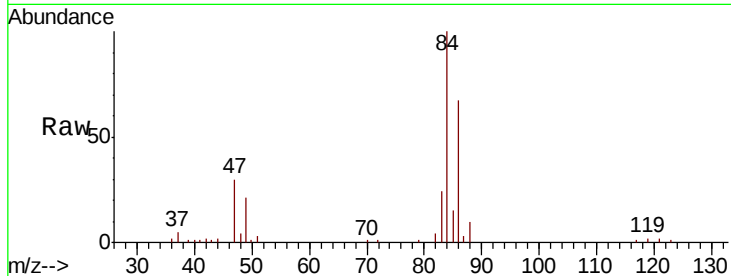




#25
Chloroform
Concen: 0.254 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039017.D
Acq: 22 Jun 2020 20:24

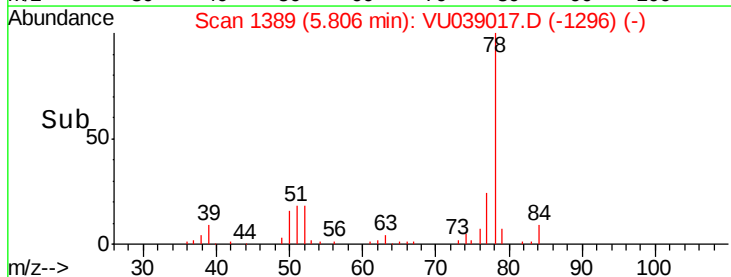
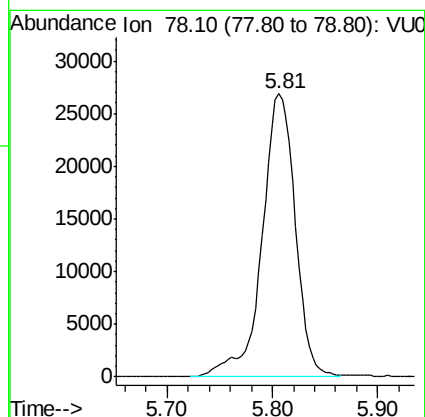
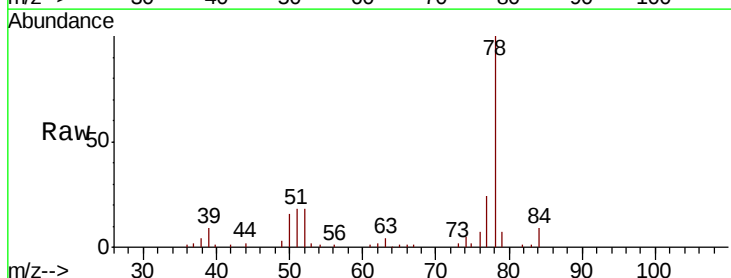
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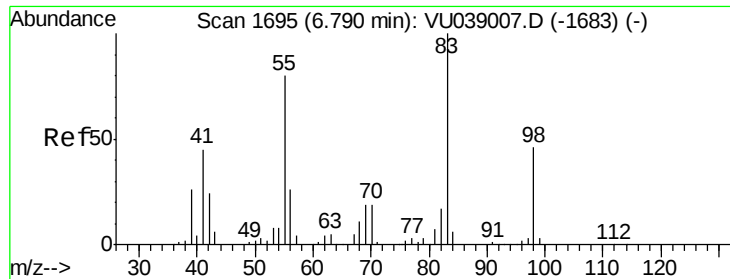
Tot Ion: 83 Resp: 10630
Ion Ratio Lower Upper
83 100
85 60.8 44.9 83.5



#33
Benzene
Concen: 0.672 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU039017.D
Acq: 22 Jun 2020 20:24

Tgt Ion: 78 Resp: 58985

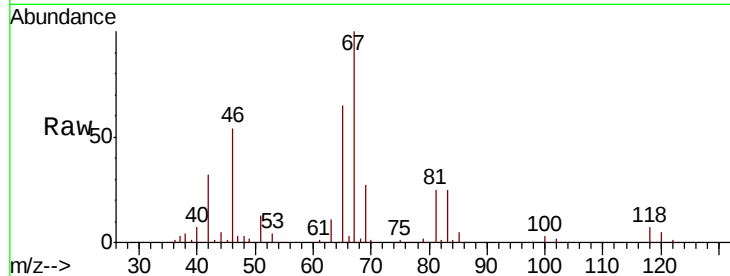




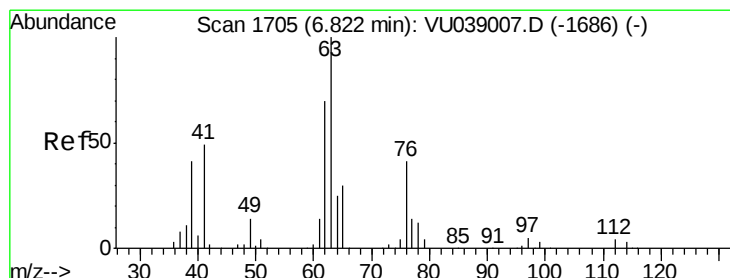
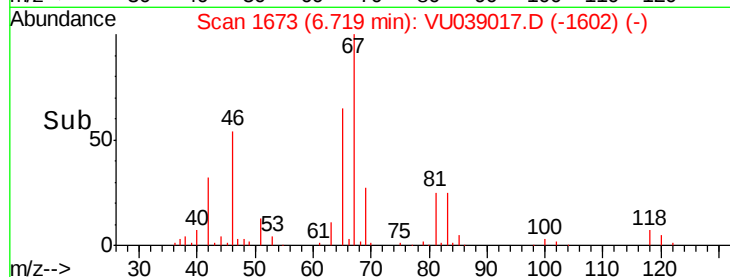
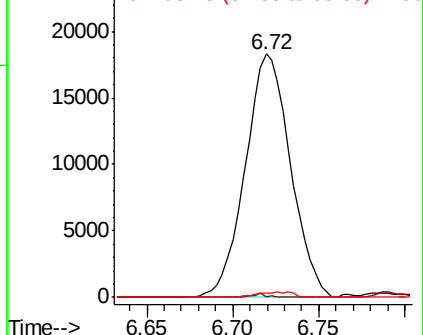
#35
Methvlcvclohexane
Concen: 1.003 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU039017.D
Acq: 22 Jun 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :
BFXJ3

Tot Ion: 83 Resp: 33270
Ion Ratio Lower Upper
83 100
55 0.0 65.1 97.7#
98 1.6 37.0 55.4#

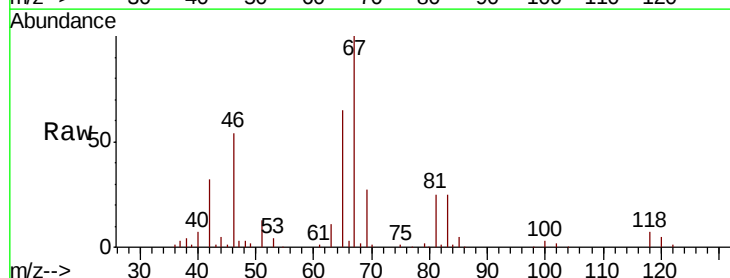


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

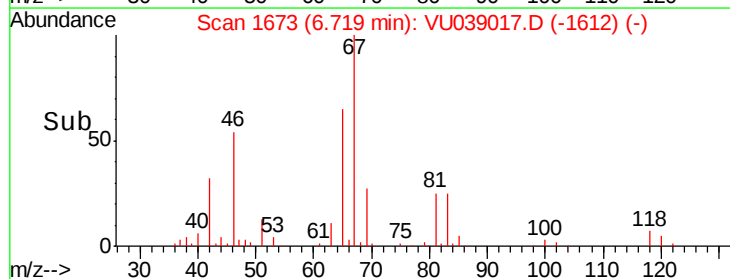
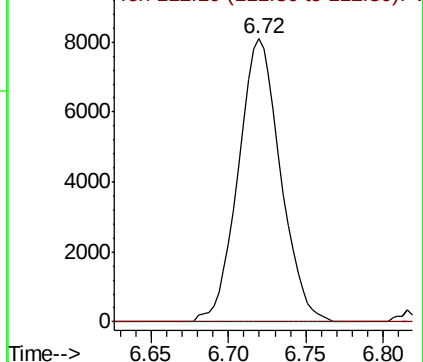


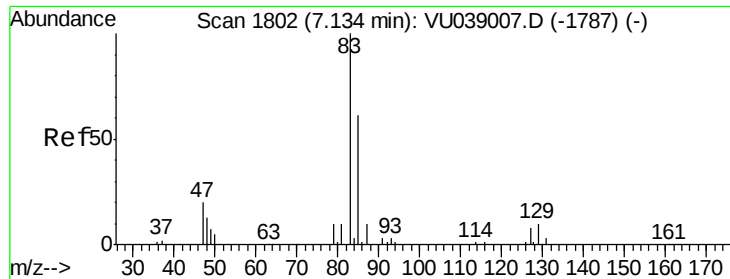
#37
1,2-Dichloropropane
Concen: 0.650 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU039017.D
Acq: 22 Jun 2020 20:24

Tgt Ion: 63 Resp: 15344
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



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





#38

Bromodichloromethane

Concen: 0.427 ug/L

RT: 6.94 min Scan# 1743

Delta R.T. -0.19 min

Lab File: VU039017.D

Acq: 22 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

BFXJ3

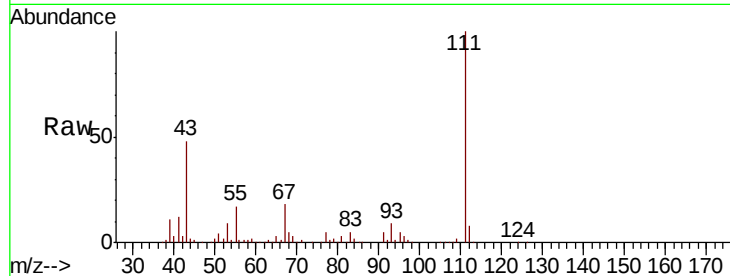
Tot Ion: 83 Resp: 12435

Ion Ratio Lower Upper

83 100

85 5.2 43.6 81.0#

127 0.0 6.1 9.1#



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): VU0

6.94

8000

6000

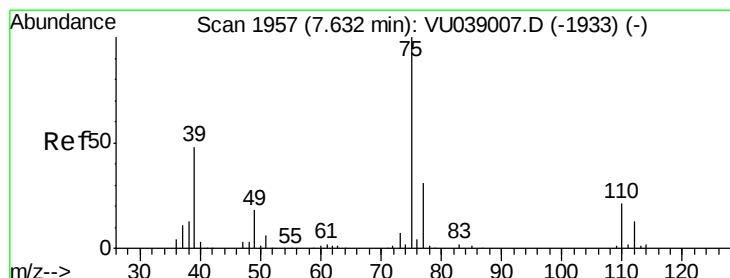
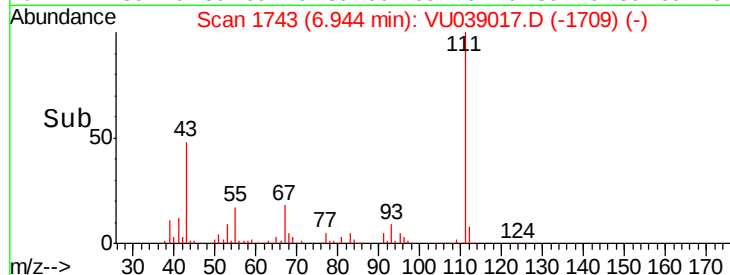
4000

2000

0

6.90 6.95 7.00

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU039017.D

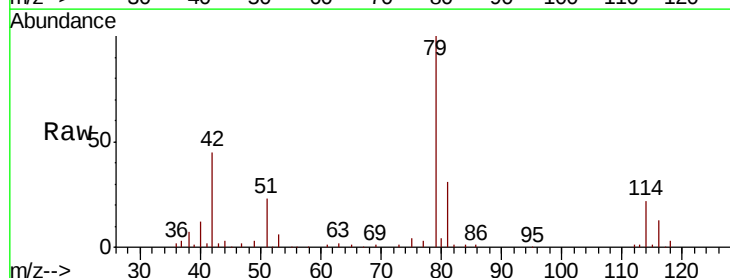
Acq: 22 Jun 2020 20:24

Tgt Ion: 75 Resp: 3140

Ion Ratio Lower Upper

75 100

77 62.1 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

2000

1500

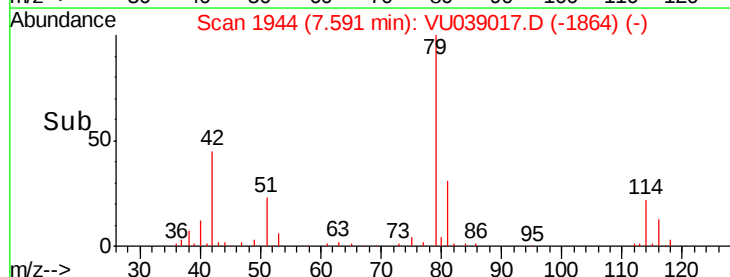
1000

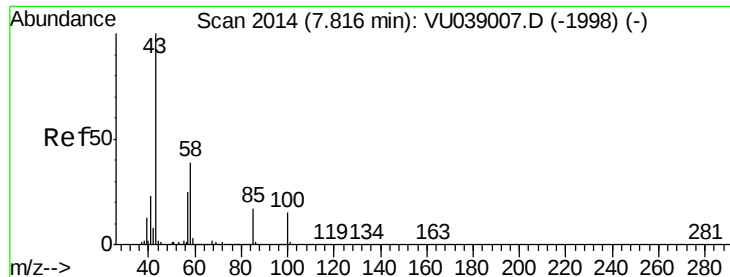
500

0

7.55 7.60 7.65

Time-->

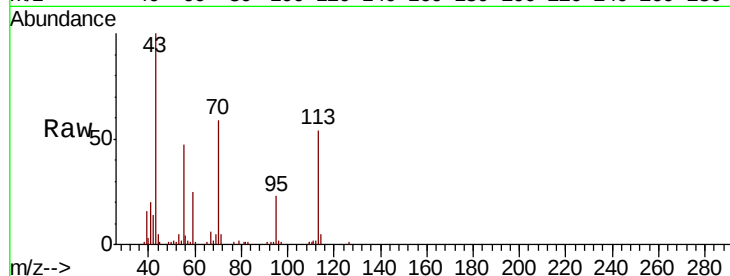




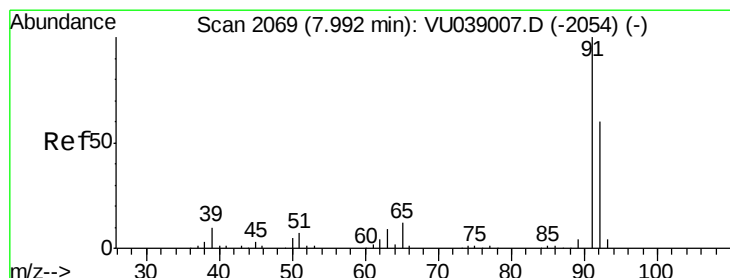
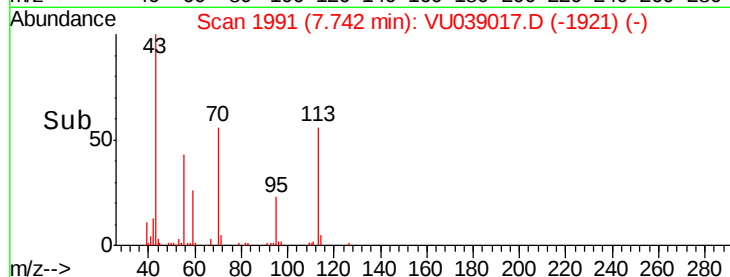
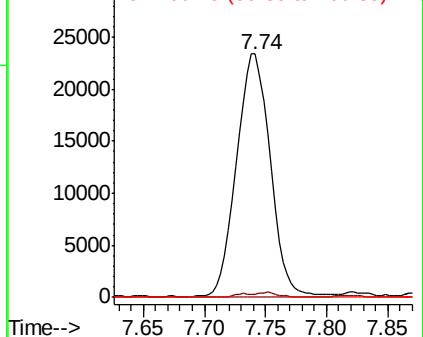
#40
4-Methyl-2-pentanone
Concen: 2.614 ug/L
RT: 7.74 min Scan# 1991
Delta R.T. -0.07 min
Lab File: VU039017.D
Acq: 22 Jun 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :
BFXJ3

Tot Ion: 43 Resp: 45099
Ion Ratio Lower Upper
43 100
58 1.2 31.4 47.0#
100 0.0 11.6 17.4#

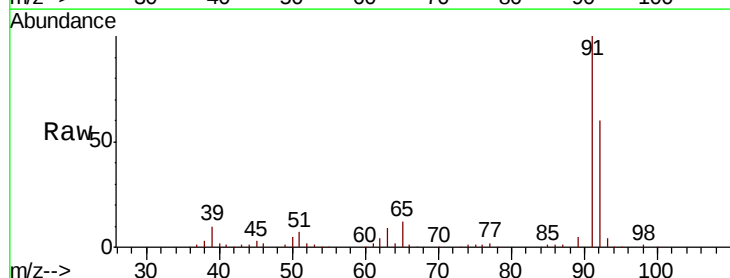


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

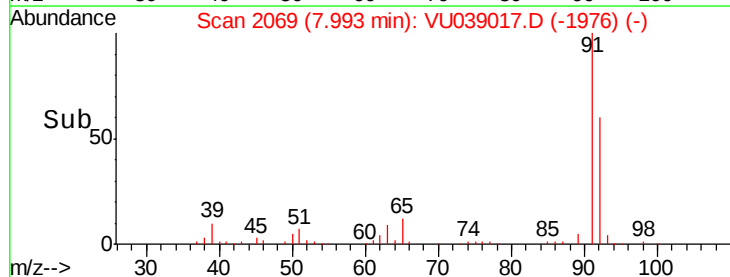
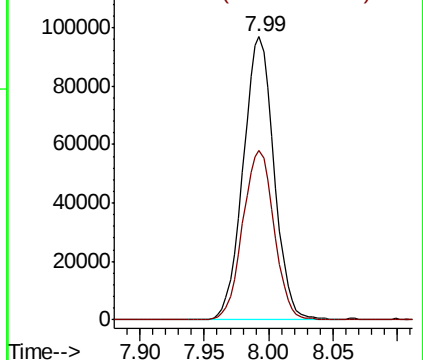


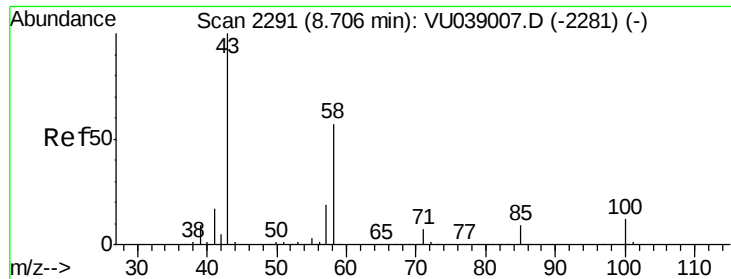
#42
Toluene
Concen: 1.831 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. 0.00 min
Lab File: VU039017.D
Acq: 22 Jun 2020 20:24

Tgt Ion: 91 Resp: 161469
Ion Ratio Lower Upper
91 100
92 59.7 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0

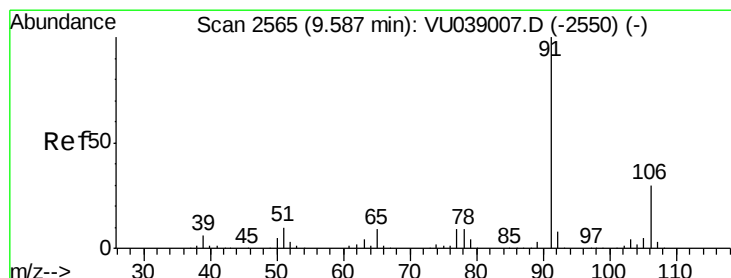
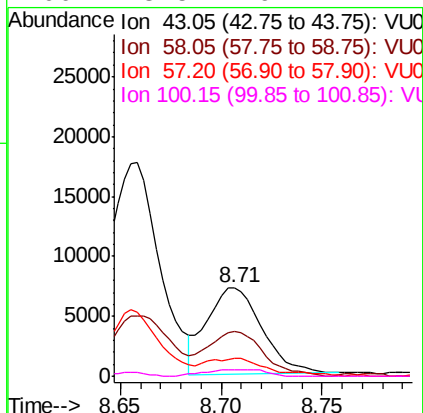
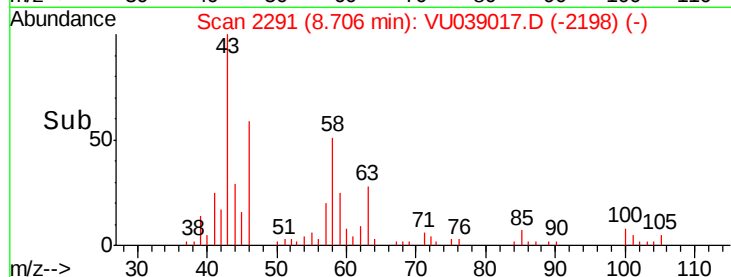
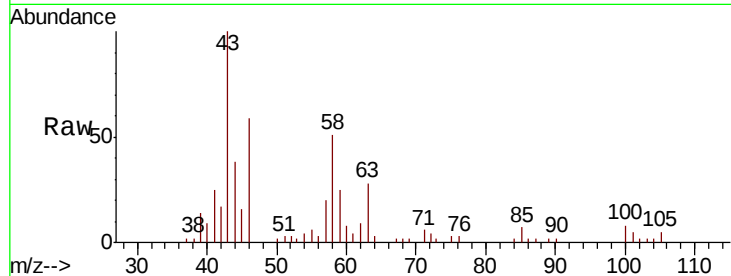




#48
2-Hexanone
Concen: 1.044 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039017.D
Acq: 22 Jun 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :
BFXJ3

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.9	43.5	65.3
57	23.4	15.0	22.4
100	8.5	9.4	14.2



#52
Ethylbenzene
Concen: 0.247 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU039017.D
Acq: 22 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.8	21.1	39.3

