

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062220\
 Data File : VU039019.D
 Acq On : 22 Jun 2020 21:11
 Operator : SY/MD
 Sample : L3061-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ5

Quant Time: Jun 23 01:29:21 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	263896	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	273161	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	121661	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123781	5.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.20%
7) Chloroethane-d5	1.93	69	93132	6.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.00%
11) 1,1-Dichloroethene-d2	2.59	63	173995	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.40%
20) 2-Butanone-d5	4.66	46	375841	53.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.50%
24) Chloroform-d	5.10	84	213963	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.74	65	126143	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.76	84	425604	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.72	67	137851	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.92	98	360644	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	8.20	79	45689	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.66	63	281181	50.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	122485	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	133911	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2866	0.196	ug/L #	73
5) Vinyl chloride	1.61	62	32187	1.195	ug/L #	1
6) Bromomethane	1.87	94	1256	0.196	ug/L	97
8) Chloroethane	1.95	64	437085	29.479	ug/L	92
12) 1,1-Dichloroethene	2.60	96	5779	0.303	ug/L #	1
13) Acetone	2.66	43	9416	2.115	ug/L	91
15) Methyl Acetate	2.82	43	12702	1.121	ug/L #	53
16) Methylene chloride	3.08	84	1919	0.083	ug/L	94
18) trans-1,2-Dichloroethene	3.39	96	2347	0.115	ug/L	74
19) 1,1-Dichloroethane	3.91	63	2435371	60.458	ug/L	100
22) cis-1,2-Dichloroethene	4.70	96	9940	0.456	ug/L	98
27) 1,2-Dichloroethane	5.83	62	8105	0.288	ug/L	99
35) Methylcyclohexane	6.72	83	33411	1.002	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	15739	0.664	ug/L #	87
38) Bromodichloromethane	6.94	83	29990	1.024	ug/L #	31
39) cis-1,3-Dichloropropene	7.59	75	2842	0.084	ug/L #	31
40) 4-Methyl-2-pentanone	7.74	43	154436	8.907	ug/L #	45

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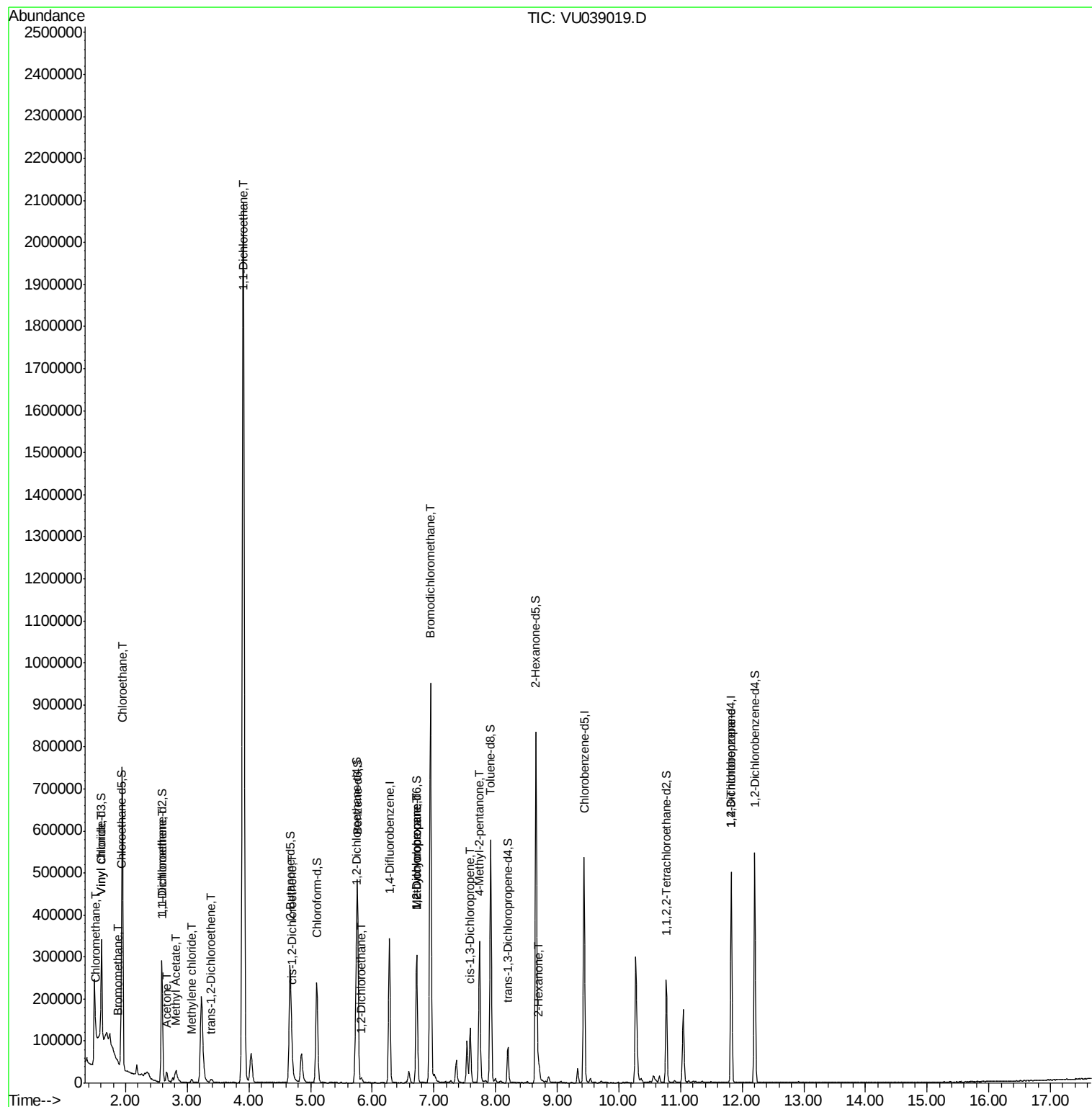
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.71	43	17312	1.319	ug/L	95
59) 1,2,3-Trichloropropane	11.82	75	18039	1.033	ug/L	93

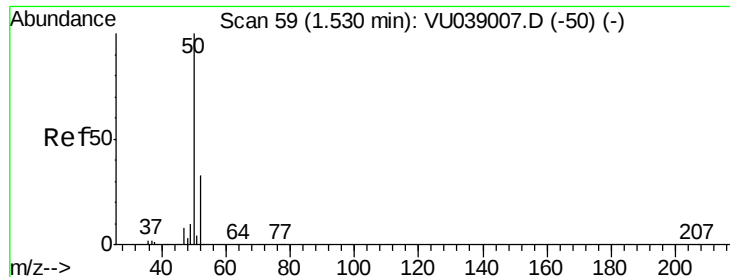
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.196 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039019.D

Acq: 22 Jun 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

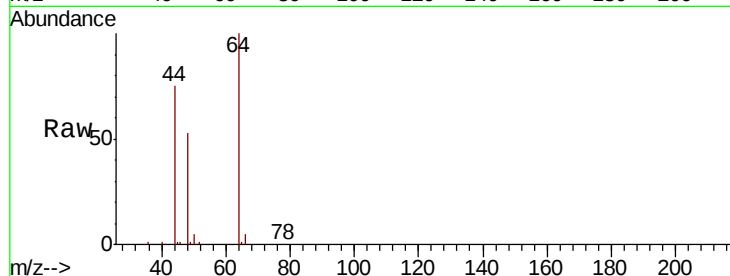
BFXJ5

Tot Ion: 50 Resp: 2866

Ion Ratio Lower Upper

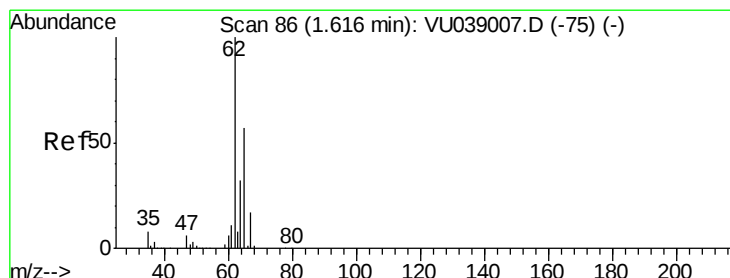
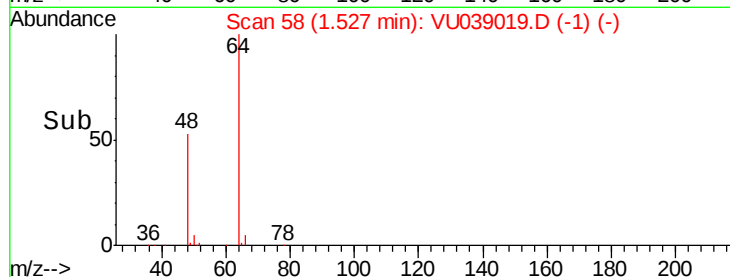
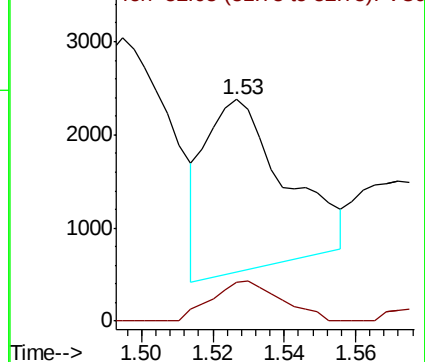
50 100

52 17.8 23.0 42.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 1.195 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU039019.D

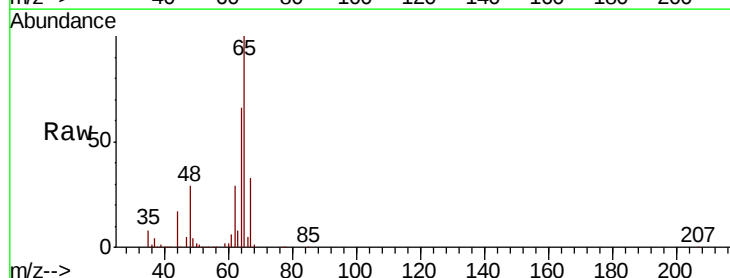
Acq: 22 Jun 2020 21:11

Tgt Ion: 62 Resp: 32187

Ion Ratio Lower Upper

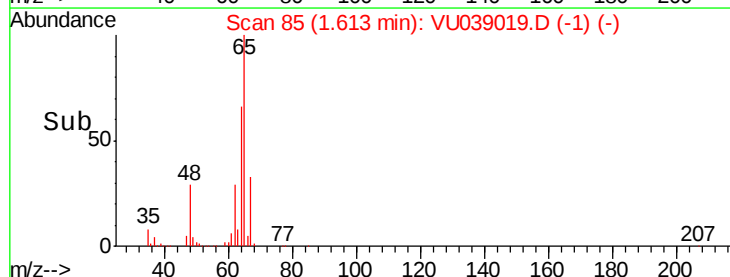
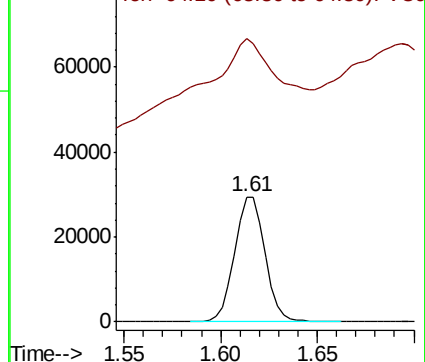
62 100

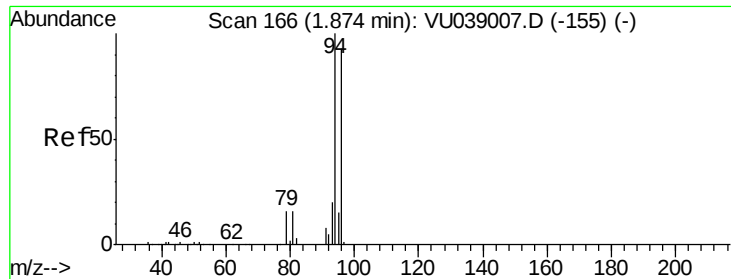
64 226.1 22.5 41.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#6

Bromomethane

Concen: 0.196 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU039019.D

Acq: 22 Jun 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

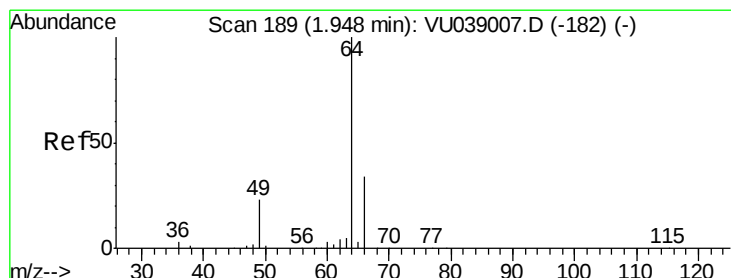
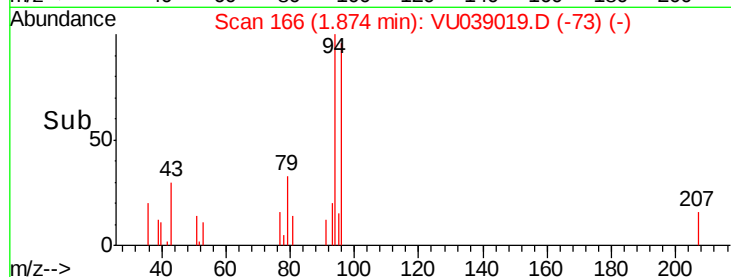
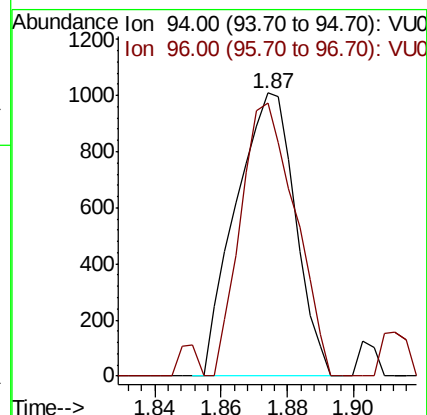
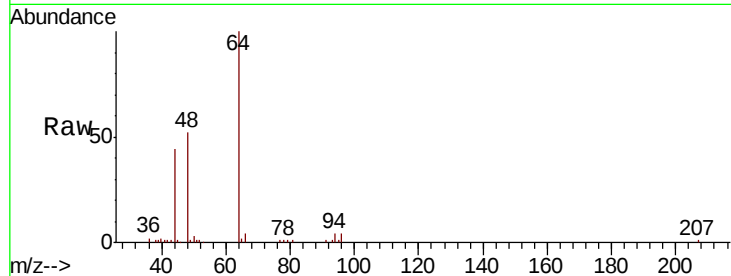
BFXJ5

Tot Ion: 94 Resp: 1256

Ion Ratio Lower Upper

94 100

96 96.4 65.5 121.7



#8

Chloroethane

Concen: 29.479 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU039019.D

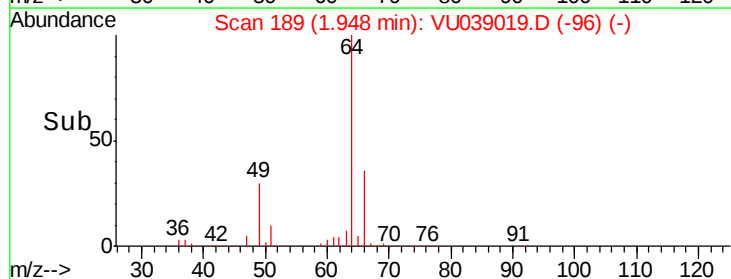
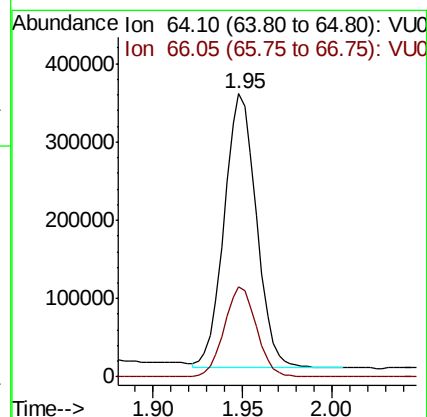
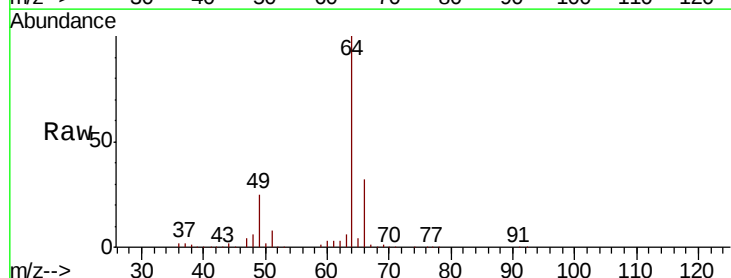
Acq: 22 Jun 2020 21:11

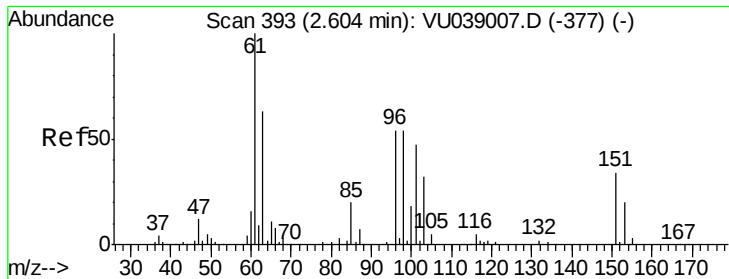
Tgt Ion: 64 Resp: 437085

Ion Ratio Lower Upper

64 100

66 31.6 19.4 36.0





#12

1,1-Dichloroethene

Concen: 0.303 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU039019.D

Acq: 22 Jun 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

BFXJ5

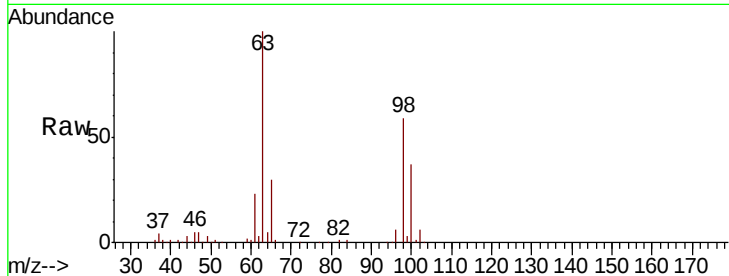
Tot Ion: 96 Resp: 5779

Ion Ratio Lower Upper

96 100

61 389.7 128.7 239.1#

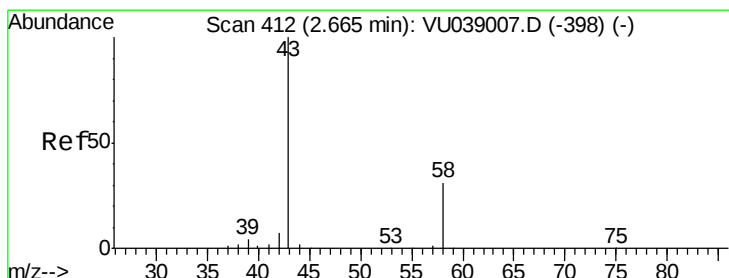
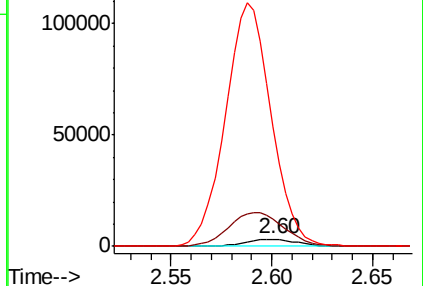
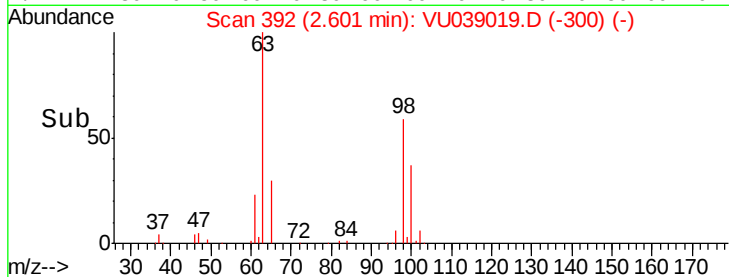
63 1712.2 101.5 188.5#



Abundance Ion 96.00 (95.70 to 96.70): VU039019.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU039019.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU039019.D (-300) (-)



#13

Acetone

Concen: 2.115 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039019.D

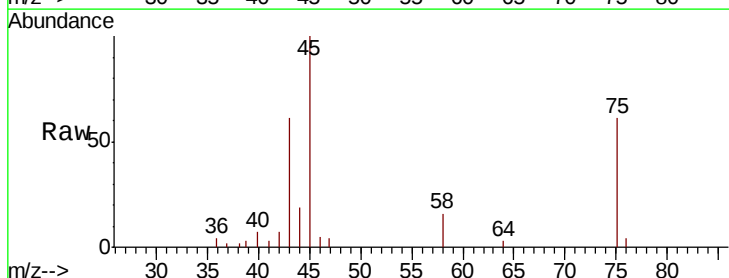
Acq: 22 Jun 2020 21:11

Tgt Ion: 43 Resp: 9416

Ion Ratio Lower Upper

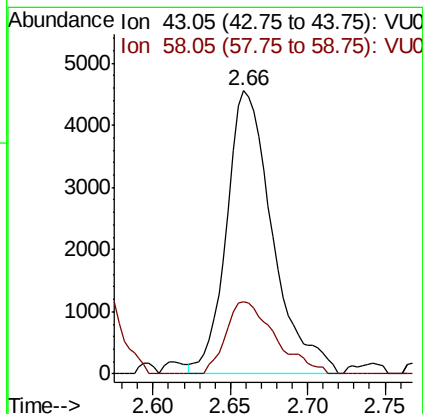
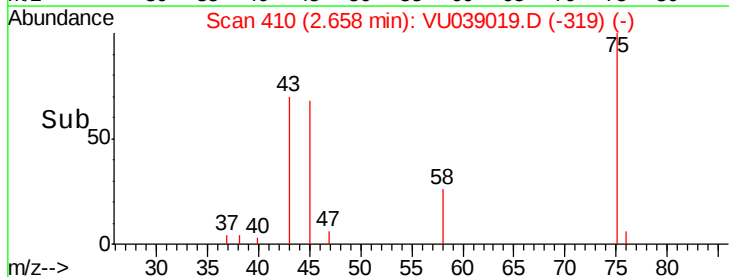
43 100

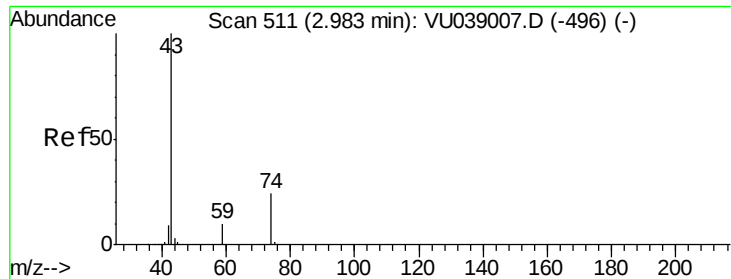
58 27.3 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039019.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU039019.D (-319) (-)

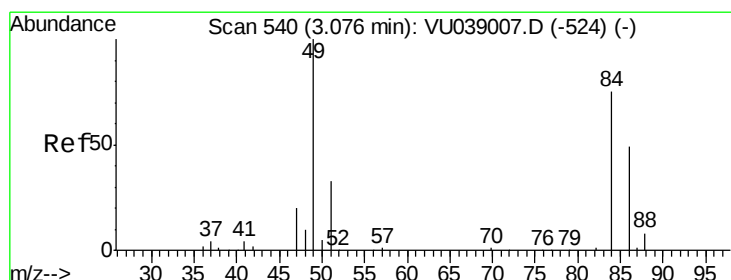
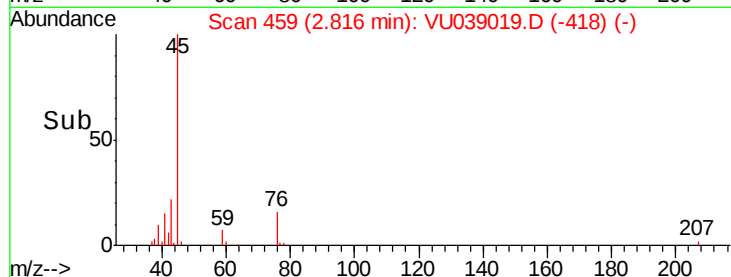
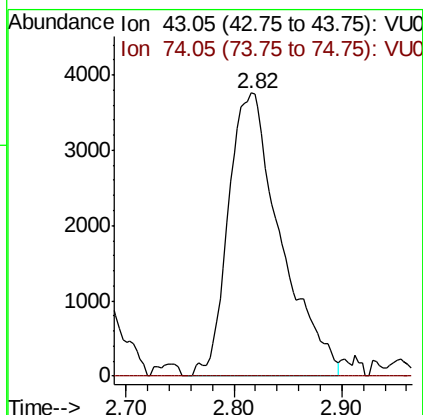
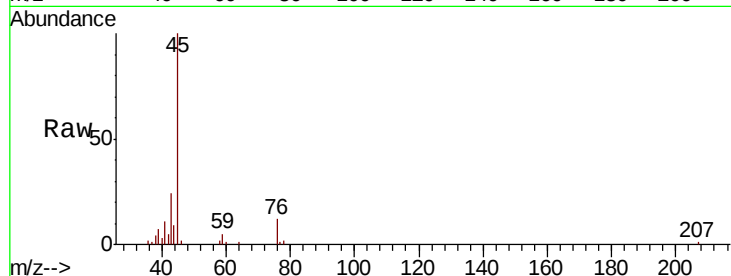




#15
Methvl Acetate
Concen: 1.121 ug/L
RT: 2.82 min Scan# 459
Delta R.T. -0.17 min
Lab File: VU039019.D
Acq: 22 Jun 2020 21:11

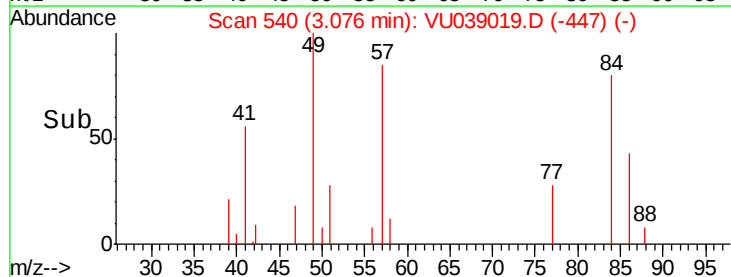
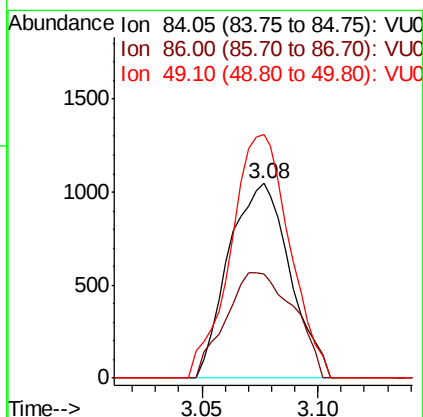
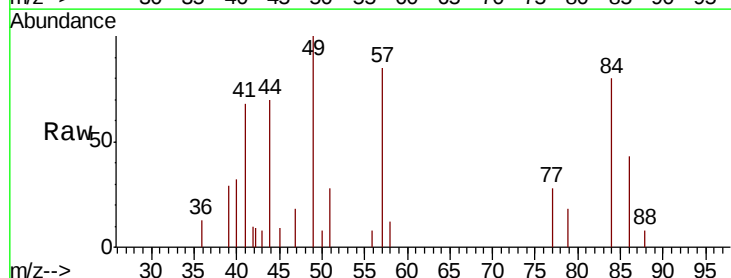
Instrument :
MSVOA_U
ClientSampleId :
BFXJ5

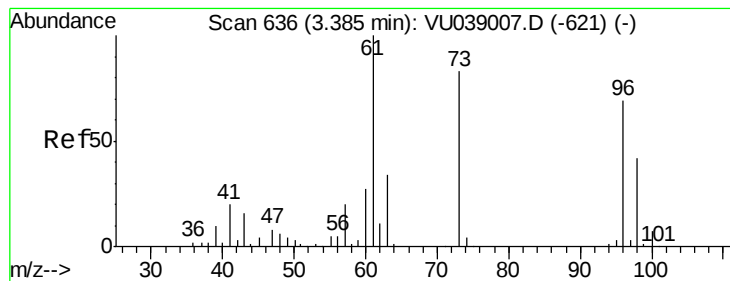
Tot Ion: 43 Resp: 12702
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#16
Methylene chloride
Concen: 0.083 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039019.D
Acq: 22 Jun 2020 21:11

Tgt Ion: 84 Resp: 1919
Ion Ratio Lower Upper
84 100
86 53.6 43.1 80.1
49 125.0 90.9 168.9





#18

trans-1,2-Dichloroethene

Concen: 0.115 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039019.D

Acq: 22 Jun 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

BFXJ5

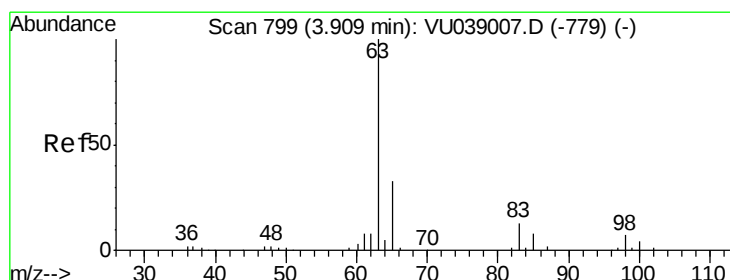
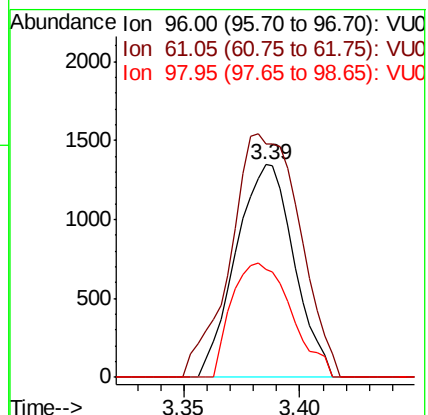
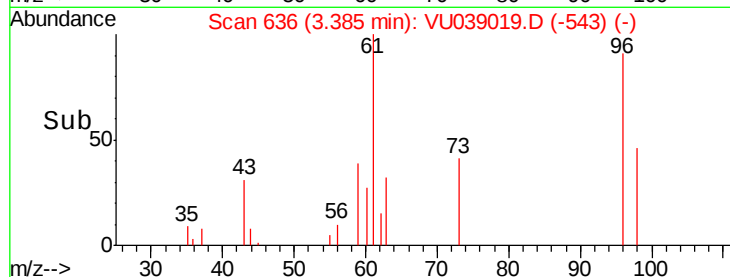
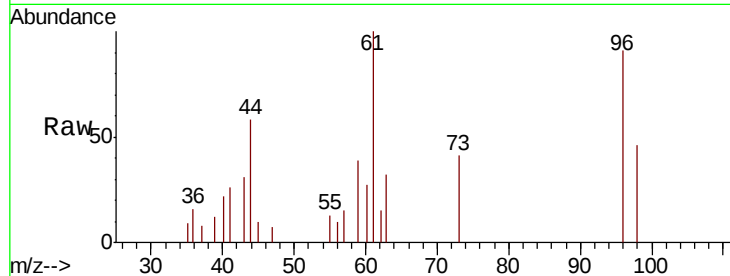
Tot Ion: 96 Resp: 2347

Ion Ratio Lower Upper

96 100

61 109.9 102.6 190.6

98 51.0 45.0 83.6



#19

1,1-Dichloroethane

Concen: 60.458 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU039019.D

Acq: 22 Jun 2020 21:11

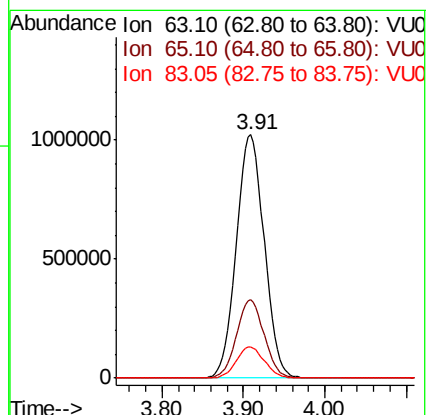
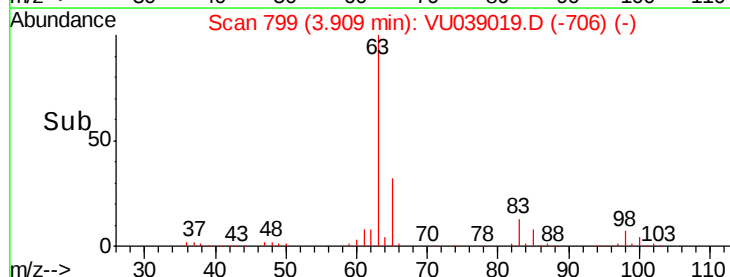
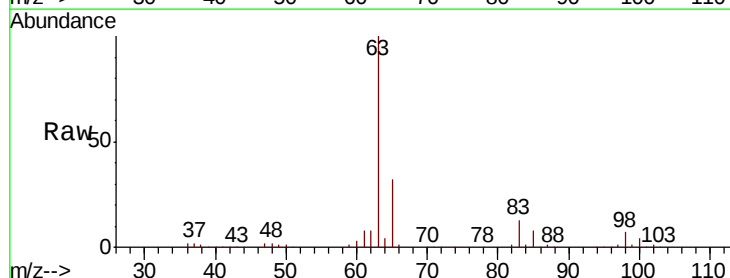
Tgt Ion: 63 Resp: 2435371

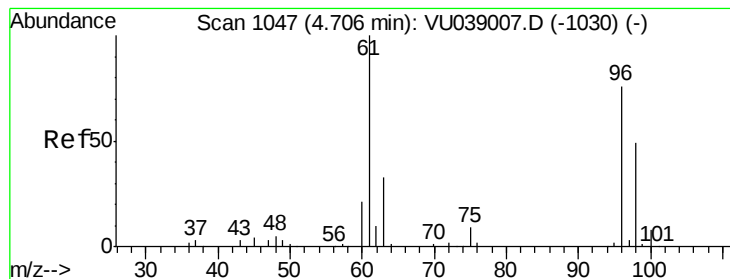
Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

83 12.9 9.2 17.2





#22

cis-1,2-Dichloroethene

Concen: 0.456 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039019.D

Acq: 22 Jun 2020 21:11

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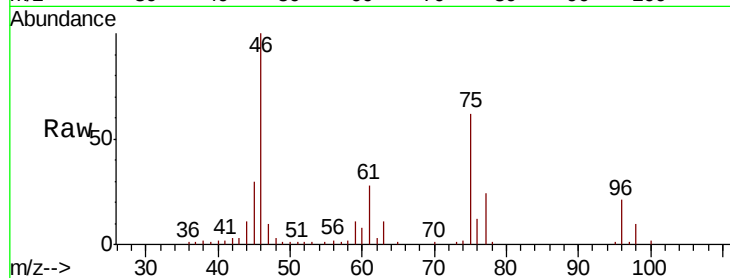
Tot Ion: 96 Resp: 9940

Ion Ratio Lower Upper

96 100

61 133.8 92.0 170.8

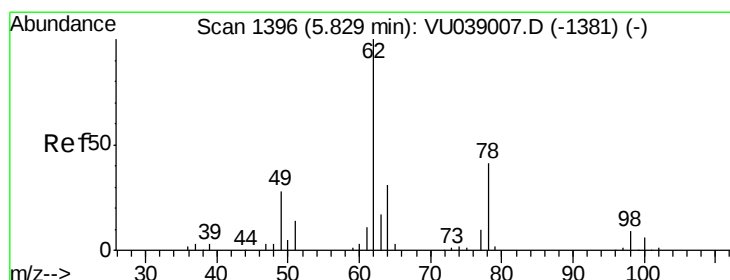
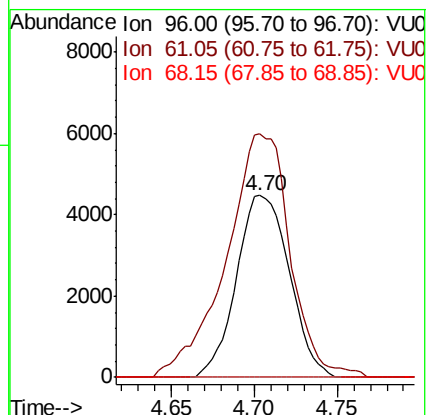
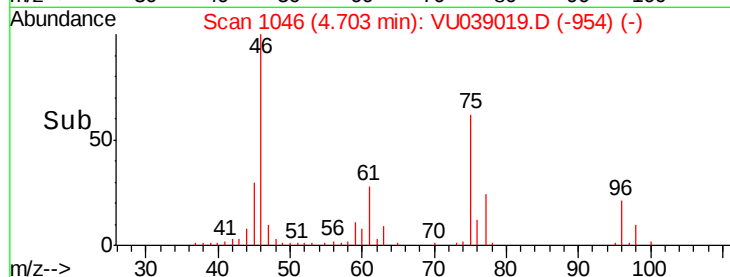
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039019.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039019.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039019.D (-954) (-)



#27

1,2-Dichloroethane

Concen: 0.288 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU039019.D

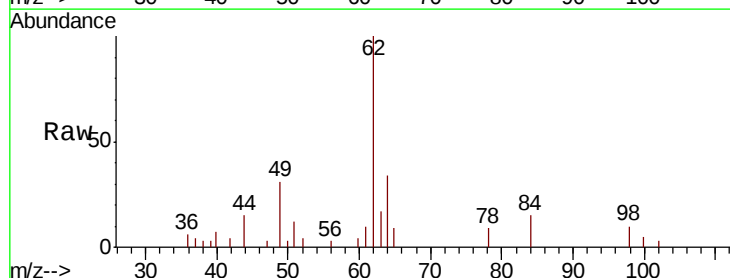
Acq: 22 Jun 2020 21:11

Tgt Ion: 62 Resp: 8105

Ion Ratio Lower Upper

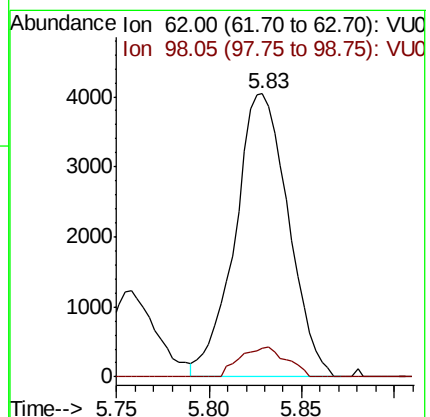
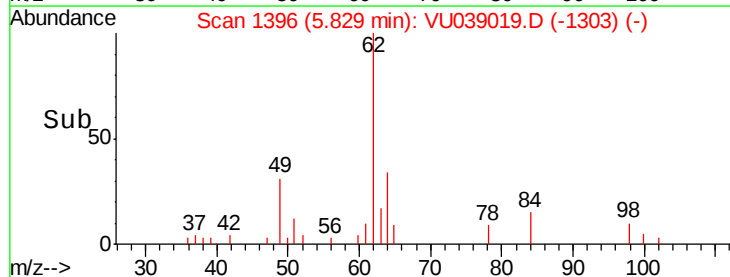
62 100

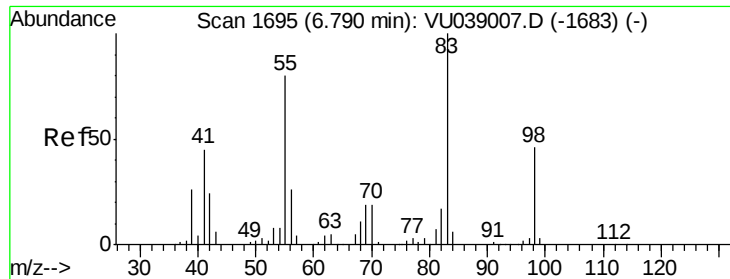
98 10.1 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU039019.D (-1303) (-)

Ion 98.05 (97.75 to 98.75): VU039019.D (-1303) (-)

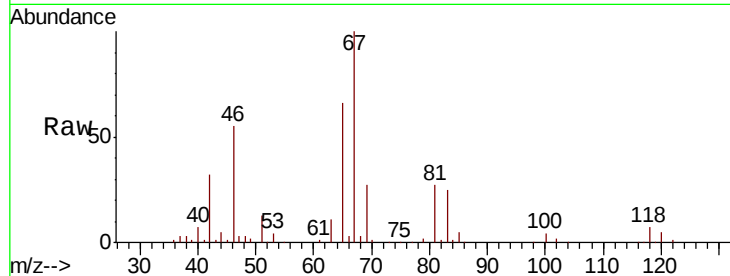




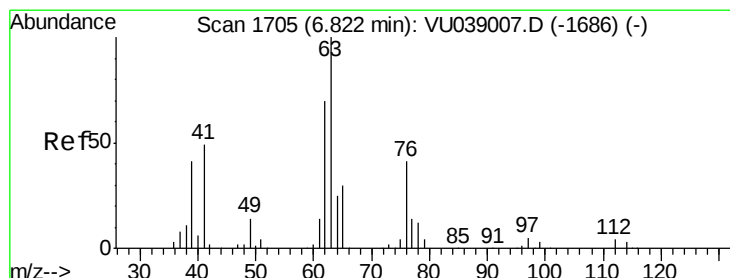
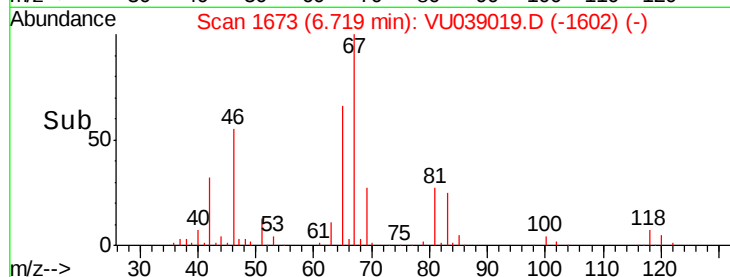
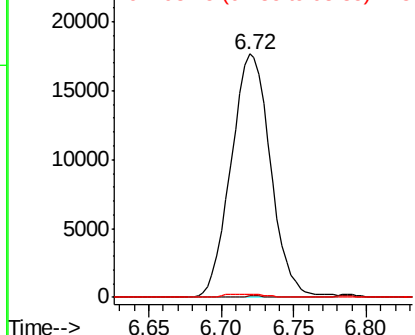
#35
Methvlcvclohexane
Concen: 1.002 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU039019.D
Acq: 22 Jun 2020 21:11

Instrument :
MSVOA_U
ClientSampleId :
BFXJ5

Tot Ion: 83 Resp: 33411
Ion Ratio Lower Upper
83 100
55 0.0 65.1 97.7#
98 1.3 37.0 55.4#

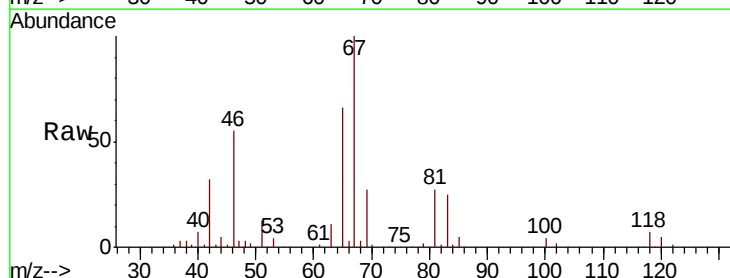


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

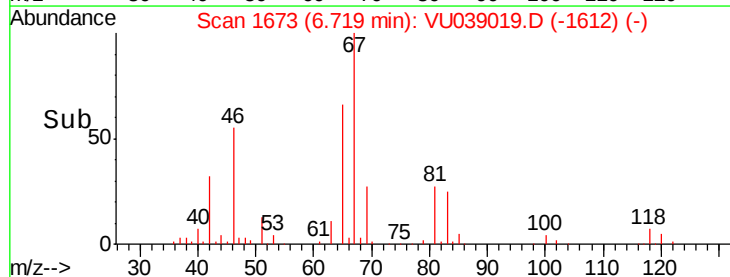
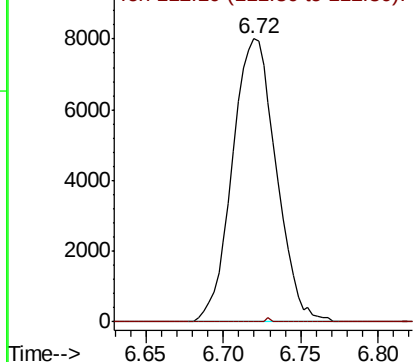


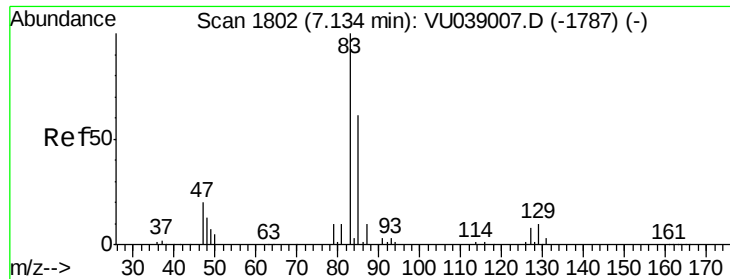
#37
1,2-Dichloropropane
Concen: 0.664 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU039019.D
Acq: 22 Jun 2020 21:11

Tgt Ion: 63 Resp: 15739
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: 1.024 ug/L

RT: 6.94 min Scan# 1743

Delta R.T. -0.19 min

Lab File: VU039019.D

Acq: 22 Jun 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

BFXJ5

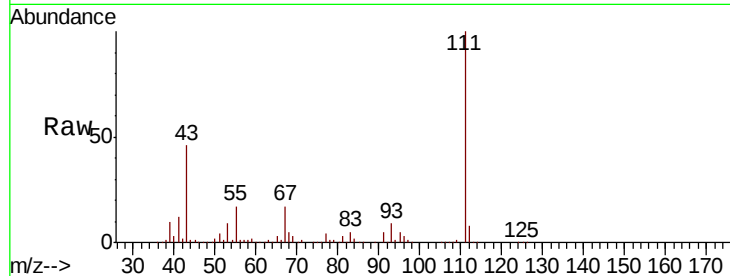
Tot Ion: 83 Resp: 29990

Ion Ratio Lower Upper

83 100

85 4.9 43.6 81.0#

127 0.0 6.1 9.1#

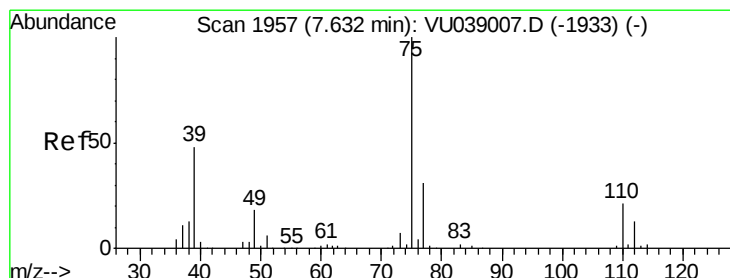
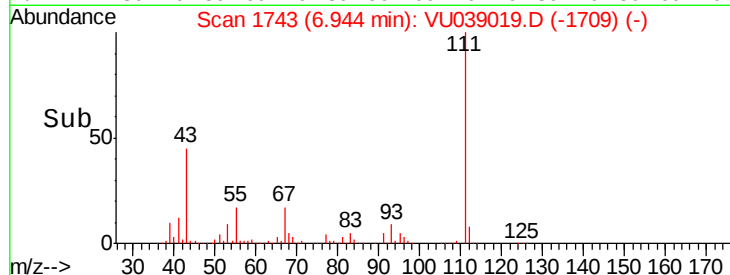


Abundance Ion 82.95 (82.65 to 83.65): VU039019.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU039019.D (-1787) (-)

Ion 126.90 (126.60 to 127.60): VU039019.D (-1787) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU039019.D

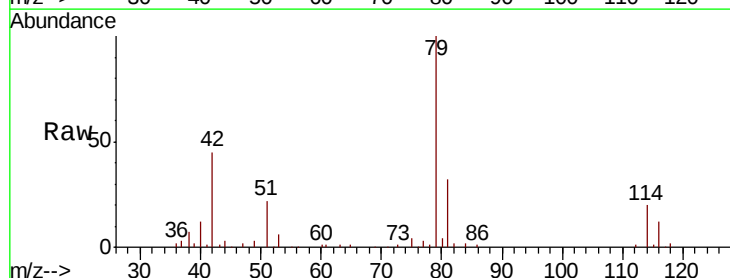
Acq: 22 Jun 2020 21:11

Tgt Ion: 75 Resp: 2842

Ion Ratio Lower Upper

75 100

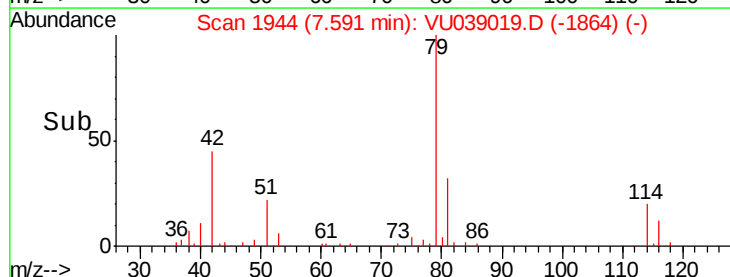
77 69.7 22.0 41.0#

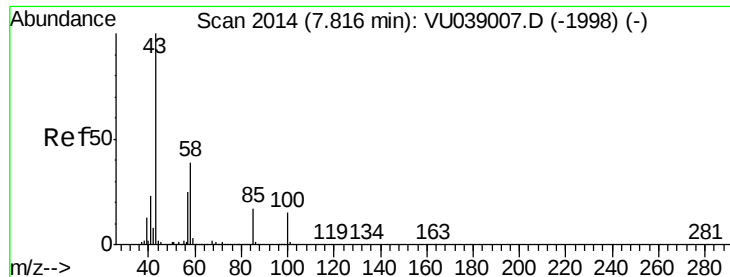


Abundance Ion 75.05 (74.75 to 75.75): VU039019.D (-1864) (-)

Ion 77.05 (76.75 to 77.75): VU039019.D (-1864) (-)

Time-->

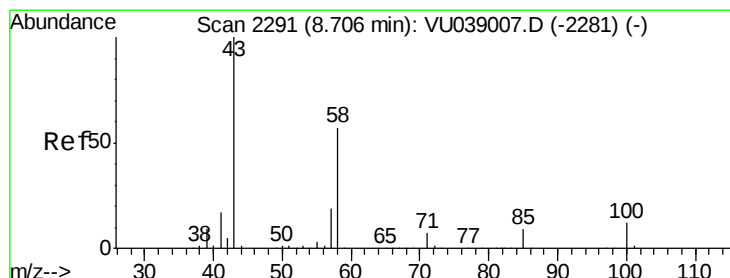
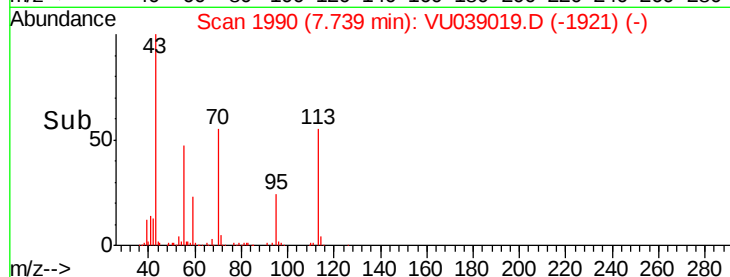
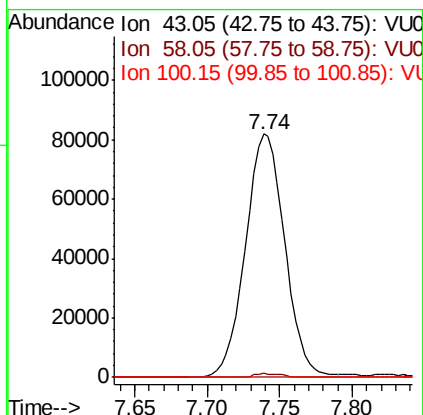
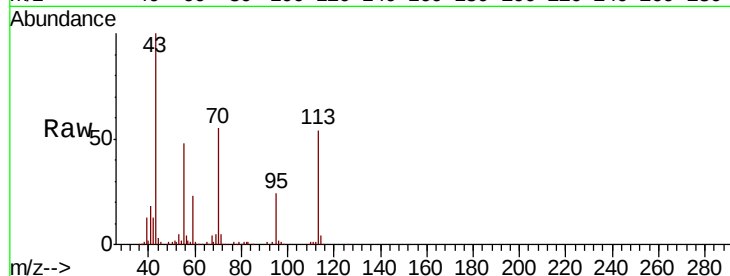




#40
4-Methyl-2-pentanone
Concen: 8.907 ug/L
RT: 7.74 min Scan# 1990
Delta R.T. -0.08 min
Lab File: VU039019.D
Acq: 22 Jun 2020 21:11

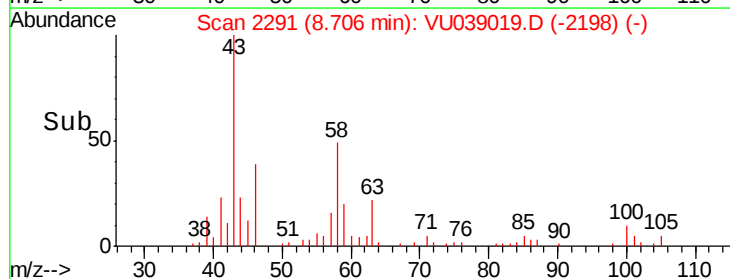
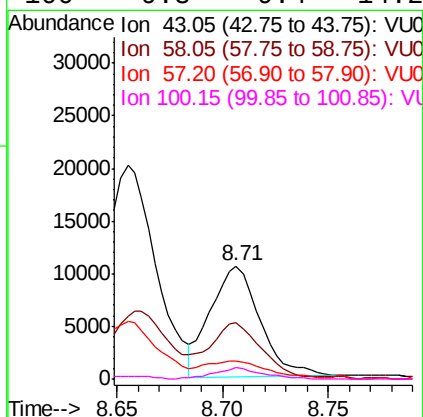
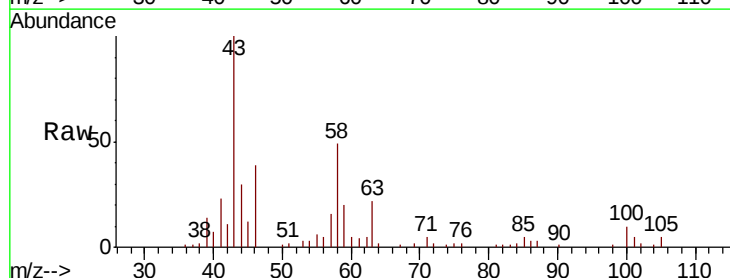
Instrument :
MSVOA_U
ClientSampled :
BFXJ5

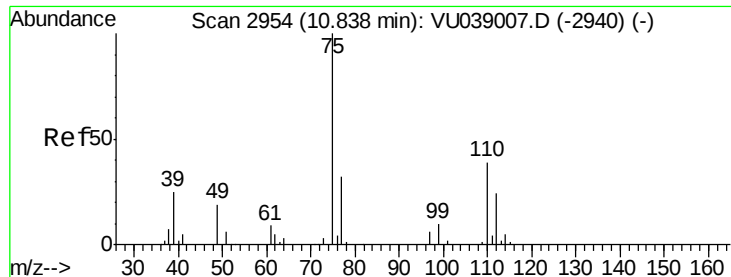
Tot Ion: 43 Resp: 154436
Ion Ratio Lower Upper
43 100
58 1.0 31.4 47.0#
100 0.0 11.6 17.4#



#48
2-Hexanone
Concen: 1.319 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039019.D
Acq: 22 Jun 2020 21:11

Tgt Ion: 43 Resp: 17312
Ion Ratio Lower Upper
43 100
58 49.8 43.5 65.3
57 19.2 15.0 22.4
100 9.8 9.4 14.2





#59
 1,2,3-Trichloropropane
 Concen: 1.033 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU039019.D
 Acq: 22 Jun 2020 21:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ5

Tot Ion: 75 Resp: 18039
 Ion Ratio Lower Upper
 75 100
 77 35.6 25.5 38.3

