

Data File : VU033046.D
Acq On : 25 Jun 2019 11:43
Operator : JC/SP
Sample : K3478-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF48

Quant Time: Jun 26 07:10:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 26 07:06:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	193799	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193137	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88997	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	59822	45.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.34%
7) Chloroethane-d5	1.68	69	52842	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.06%
11) 1,1-Dichloroethene-d2	2.26	63	97582	36.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.14%
21) 2-Butanone-d5	4.17	46	124856	113.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.26%
24) Chloroform-d	4.64	84	129871	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.88%
26) 1,2-Dichloroethane-d4	5.30	65	93481	54.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.02%
32) Benzene-d6	5.33	84	253361	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.64%
36) 1,2-Dichloropropane-d6	6.32	67	83062	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.58%
41) Toluene-d8	7.56	98	226178	47.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.94%
43) trans-1,3-Dichloropropene-	7.84	79	40167	48.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.28%
47) 2-Hexanone-d5	8.31	63	71875	95.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.97%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	119452	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	89221	51.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.62%

Target Compounds

					Qvalue
8) Chloroethane	1.40	64	1130	1.115 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	794	0.613 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1584	1.298 ug/L #	1
13) Acetone	2.32	43	2913	1.913 ug/L	91
17) trans-1,2-Dichloroethene	2.98	96	3208	2.424 ug/L	92
20) cis-1,2-Dichloroethene	4.22	96	222337	154.214 ug/L	94
27) 1,2-Dichloroethane	5.33	62	1637	0.766 ug/L #	77
34) Trichloroethene	6.18	95	166359	111.908 ug/L	99
37) 1,2-Dichloropropane	6.32	63	9959	6.525 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2694	1.133 ug/L #	58
44) trans-1,3-Dichloropropene	7.84	75	1849	0.828 ug/L	98
45) 1,1,2-Trichloroethane	8.22	97	4644	3.269 ug/L #	4
46) Tetrachloroethene	8.22	164	487513	400.217 ug/L	98
48) 2-Hexanone	8.36	43	3843	1.788 ug/L #	78
49) Dibromochloromethane	8.22	129	464217	271.078 ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	11495	5.644 ug/L #	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062519\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Wed Jun 26 07:06:36 2019
Response via : Initial Calibration

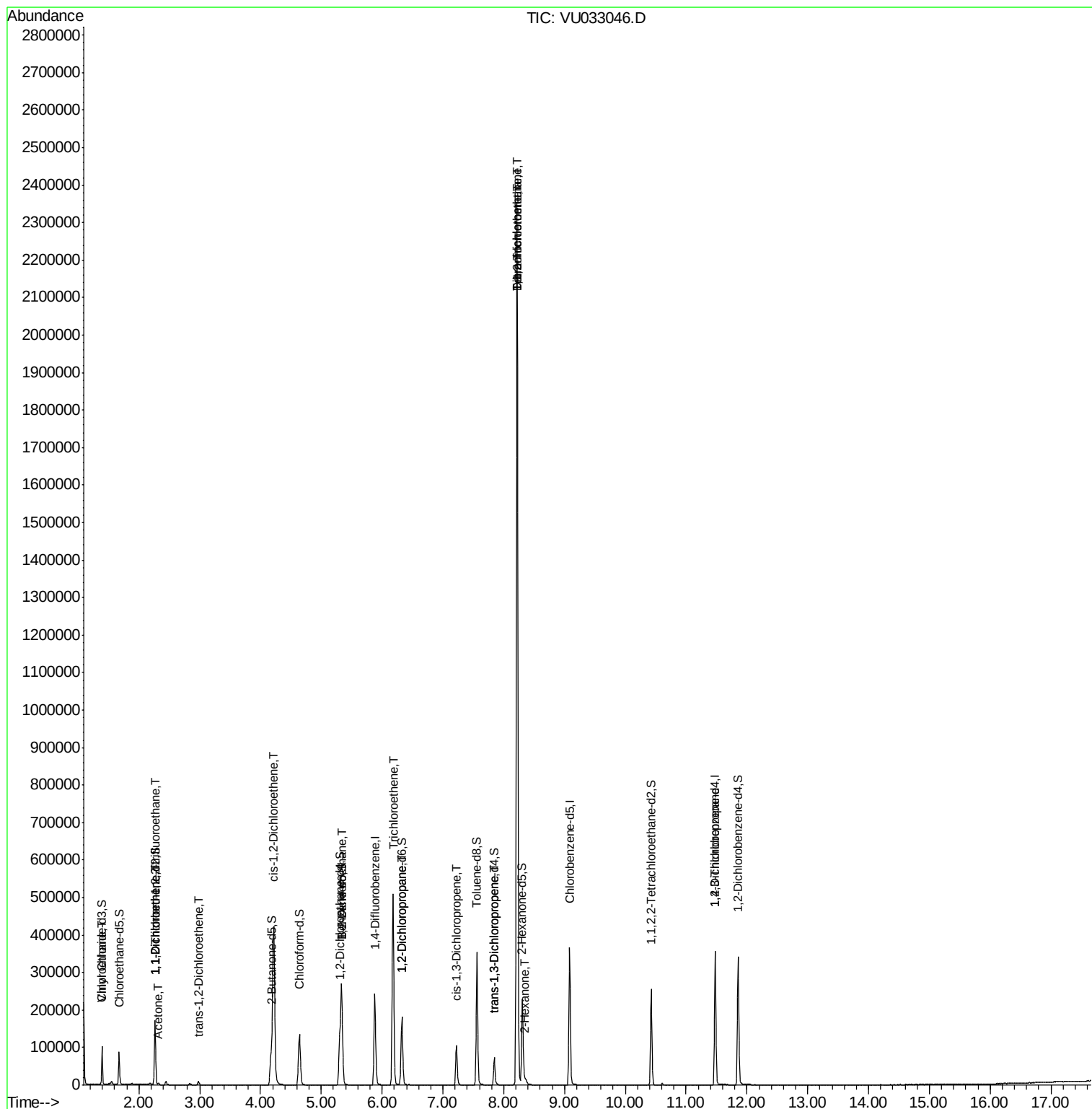
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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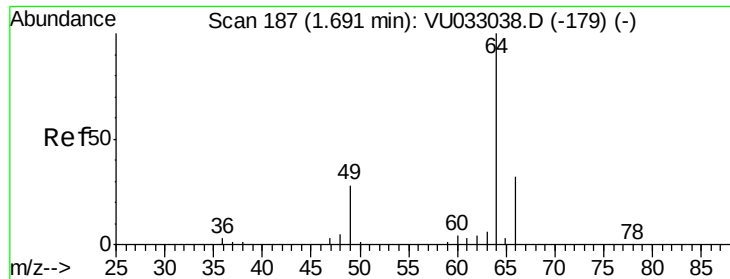
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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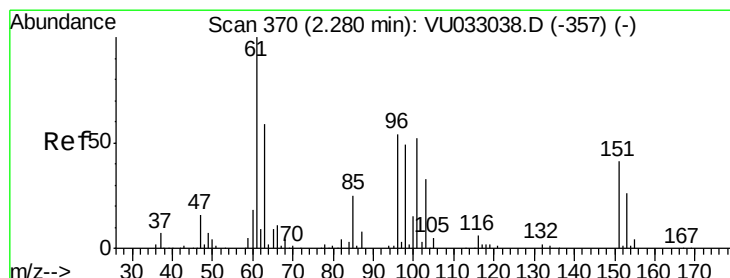
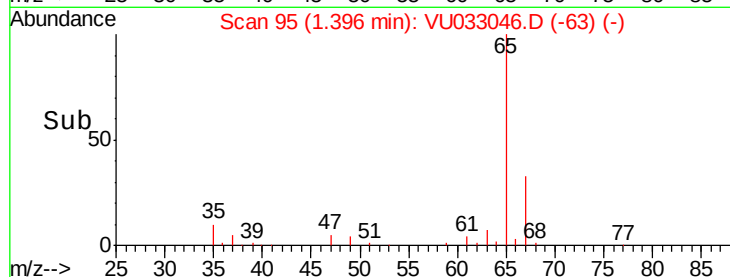
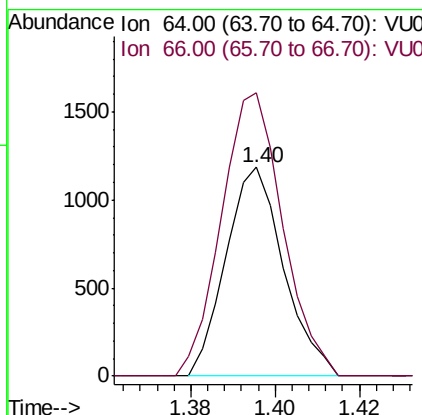
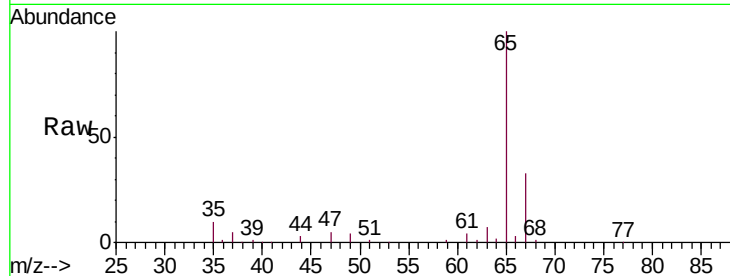




#8
Chloroethane
Concen: 1.115 ug/L
RT: 1.40 min Scan# 95
Delta R.T. -0.30 min
Lab File: VU033046.D
Acq: 25 Jun 2019 11:43

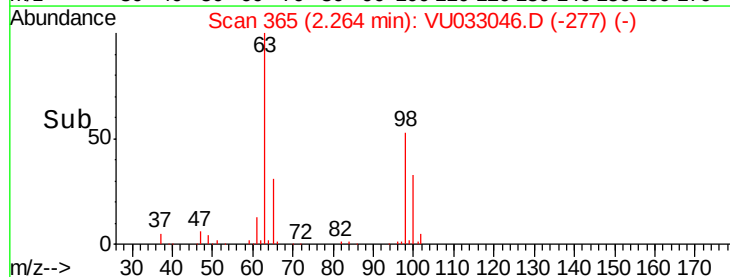
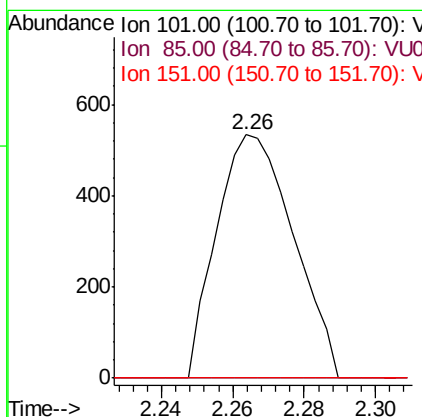
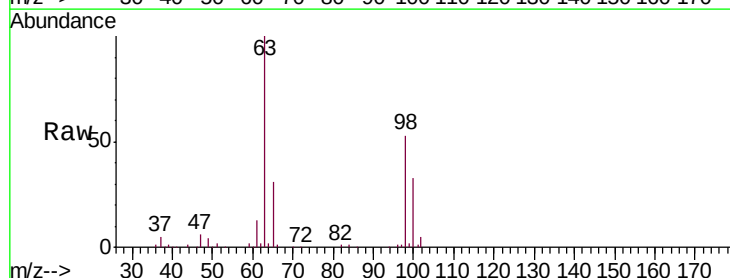
Instrument :
MSVOA_U
ClientSampleId :
ETF48

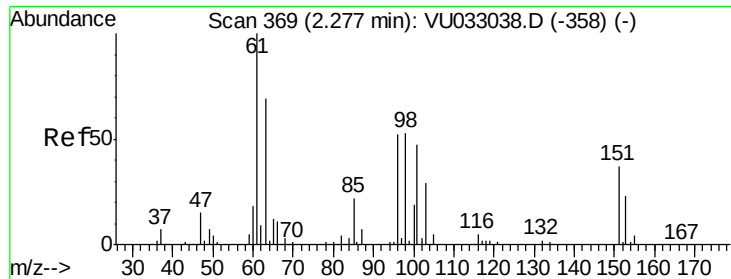
Tgt Ion: 64 Resp: 1130
Ion Ratio Lower Upper
64 100
66 135.5 22.5 41.7#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.613 ug/L
RT: 2.26 min Scan# 365
Delta R.T. -0.02 min
Lab File: VU033046.D
Acq: 25 Jun 2019 11:43

Tgt Ion: 101 Resp: 794
Ion Ratio Lower Upper
101 100
85 0.0 36.8 55.2#
151 0.0 63.6 95.4#

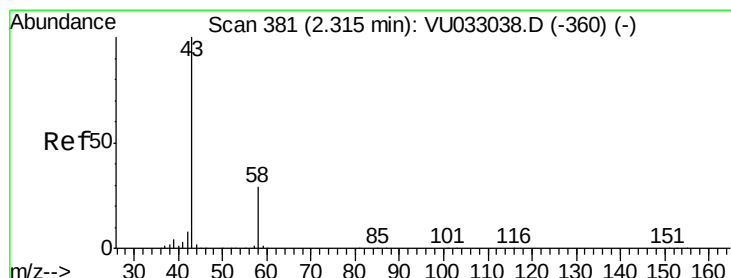
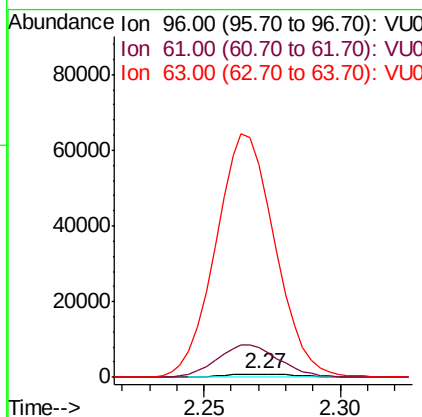
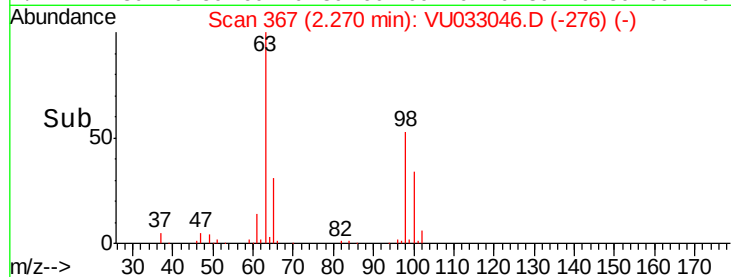
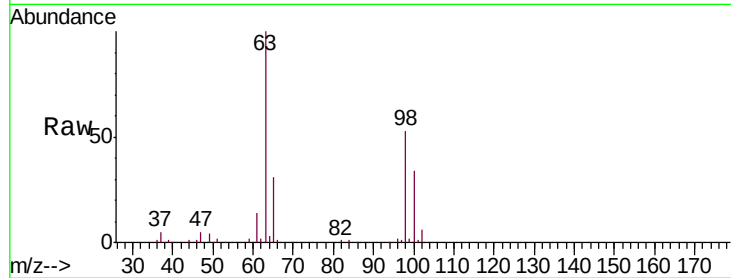




#12
 1,1-Dichloroethene
 Concen: 1.298 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU033046.D
 Acq: 25 Jun 2019 11:43

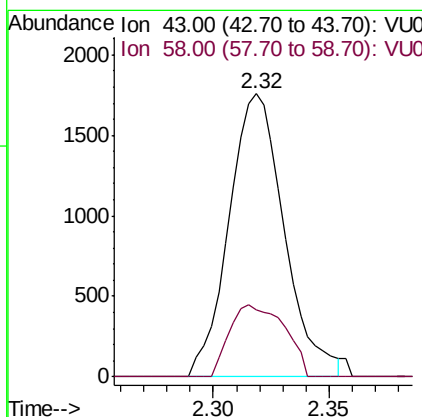
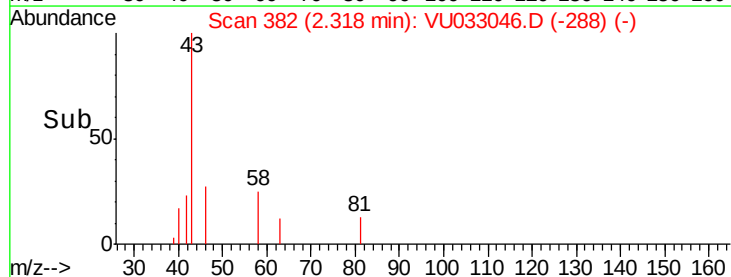
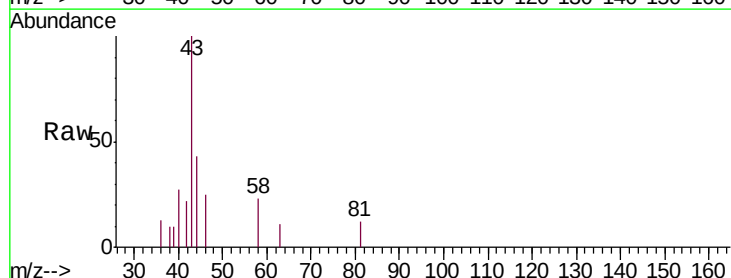
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF48

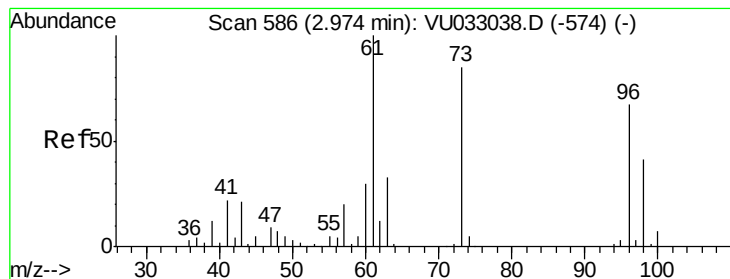
Tgt Ion: 96 Resp: 1584
 Ion Ratio Lower Upper
 96 100
 61 883.8 131.0 243.4#
 63 6310.2 101.0 187.6#



#13
 Acetone
 Concen: 1.913 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU033046.D
 Acq: 25 Jun 2019 11:43

Tgt Ion: 43 Resp: 2913
 Ion Ratio Lower Upper
 43 100
 58 25.2 0.0 60.6





#17

trans-1,2-Dichloroethene

Concen: 2.424 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033046.D

Acq: 25 Jun 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

ETF48

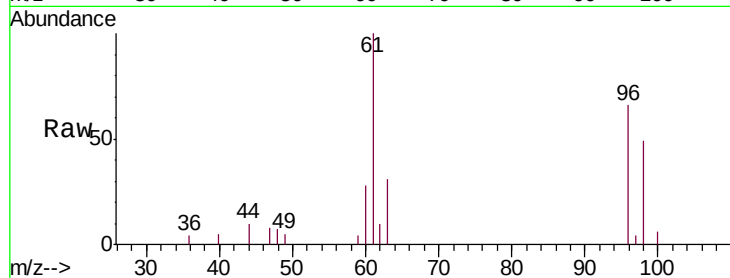
Tgt Ion: 96 Resp: 3208

Ion Ratio Lower Upper

96 100

61 151.2 100.9 187.5

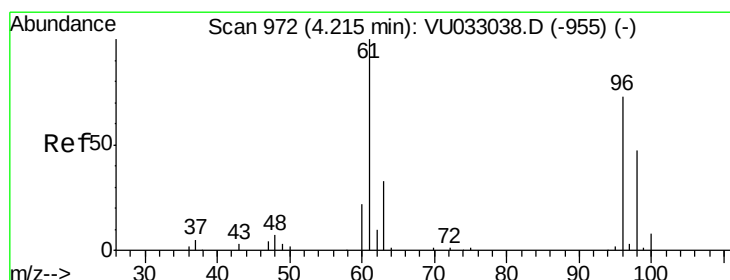
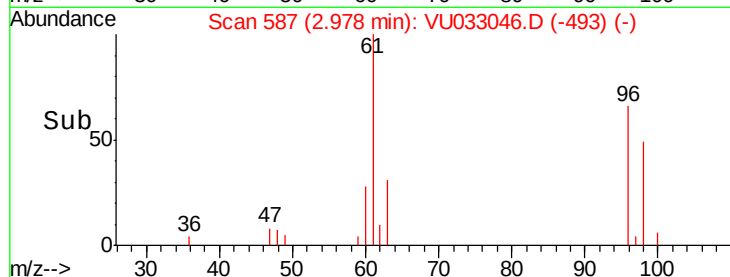
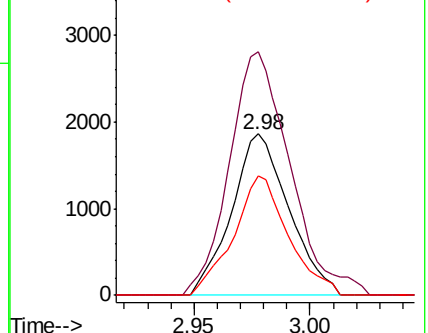
98 74.3 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033038.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU033038.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU033038.D (-574) (-)



#20

cis-1,2-Dichloroethene

Concen: 154.214 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033046.D

Acq: 25 Jun 2019 11:43

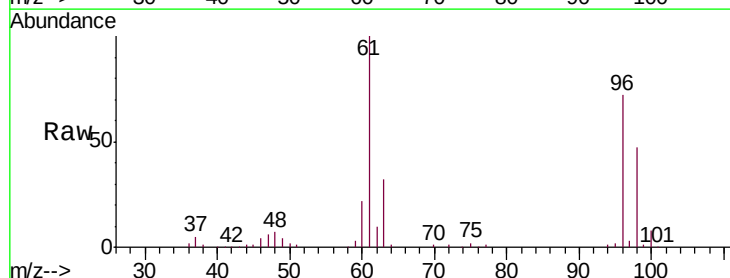
Tgt Ion: 96 Resp: 222337

Ion Ratio Lower Upper

96 100

61 138.5 92.4 171.6

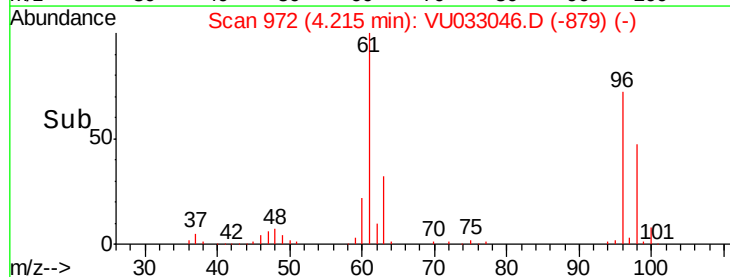
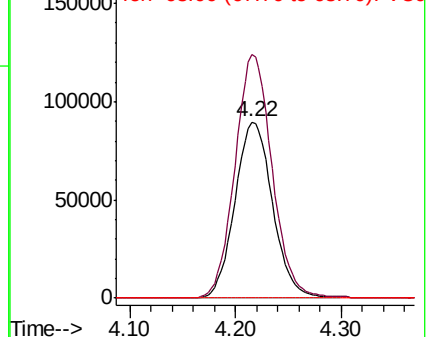
68 0.0 0.0 0.0

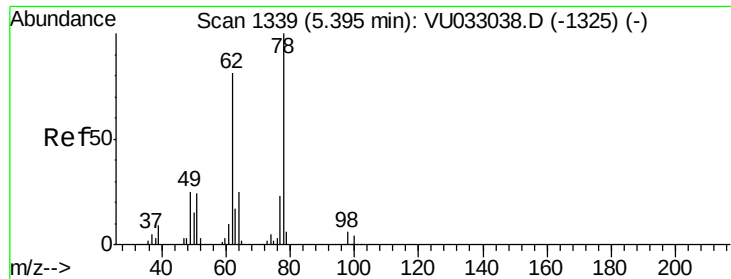


Abundance Ion 96.00 (95.70 to 96.70): VU033038.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU033038.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU033038.D (-955) (-)

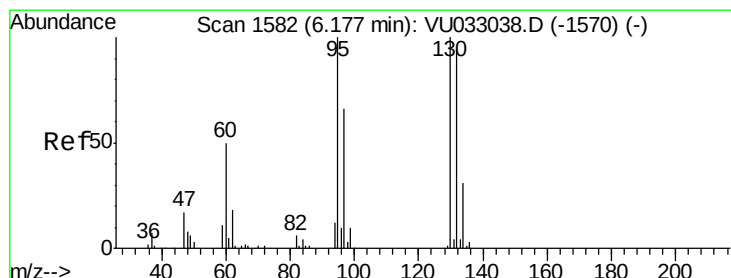
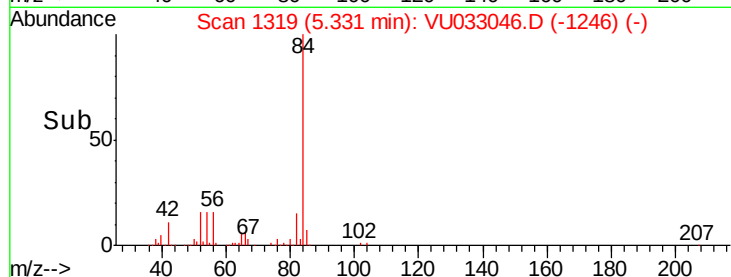
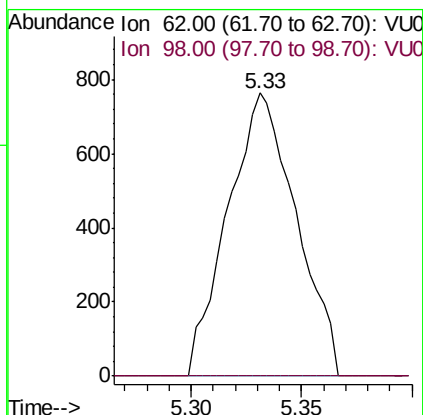
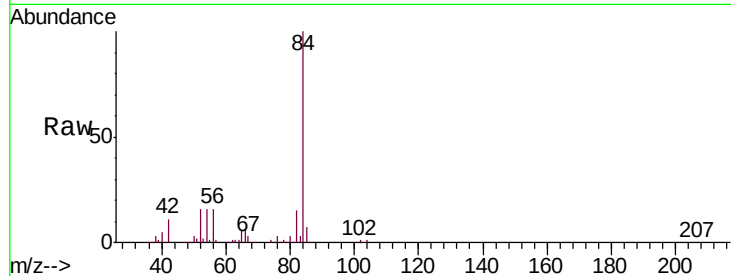




#27
 1,2-Dichloroethane
 Concen: 0.766 ug/L
 RT: 5.33 min Scan# 1319
 Delta R.T. -0.06 min
 Lab File: VU033046.D
 Acq: 25 Jun 2019 11:43

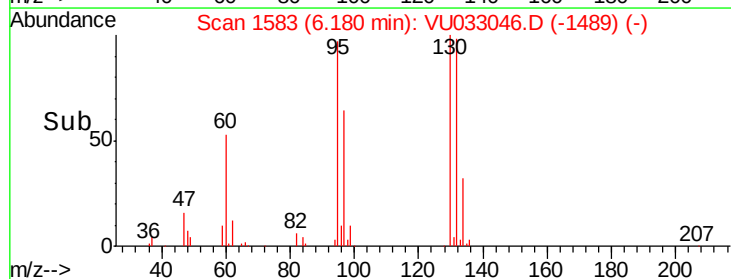
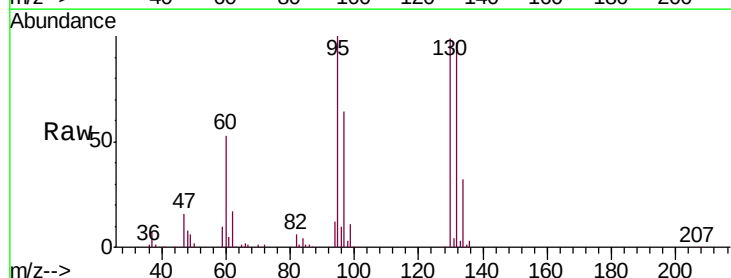
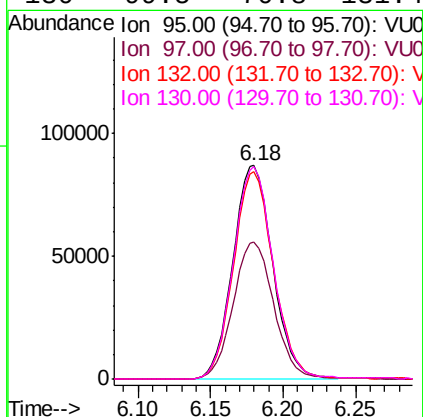
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF48

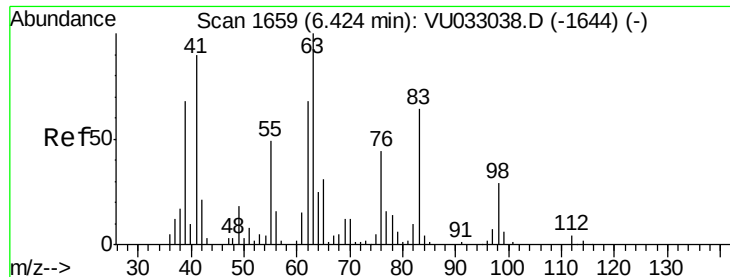
Tgt Ion: 62 Resp: 1637
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#34
 Trichloroethene
 Concen: 111.908 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU033046.D
 Acq: 25 Jun 2019 11:43

Tgt Ion: 95 Resp: 166359
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.9 85.3
 132 97.2 68.5 127.3
 130 99.5 70.8 131.4

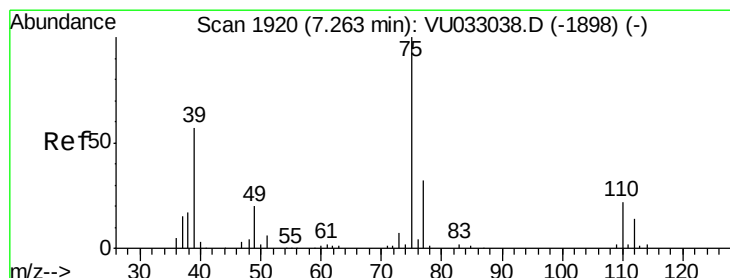
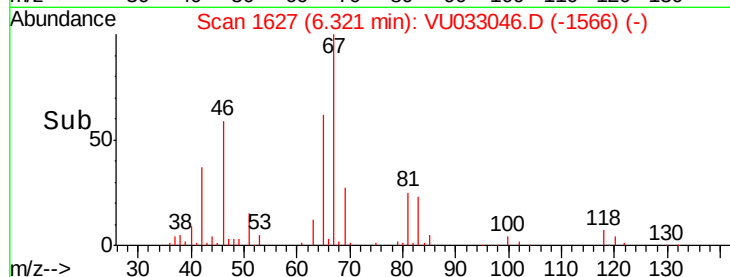
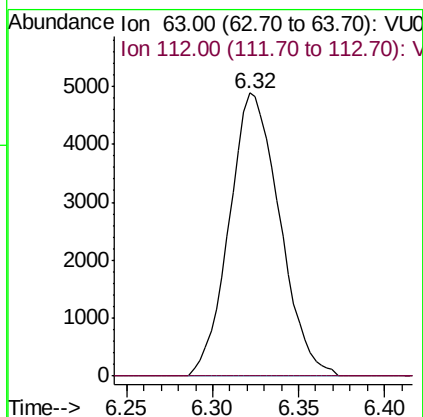
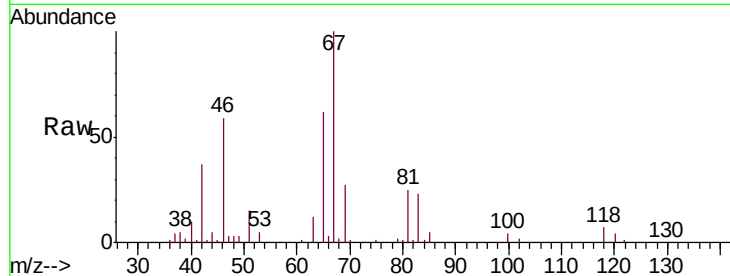




#37
 1,2-Dichloropropane
 Concen: 6.525 ug/L
 RT: 6.32 min Scan# 1627
 Delta R.T. -0.10 min
 Lab File: VU033046.D
 Acq: 25 Jun 2019 11:43

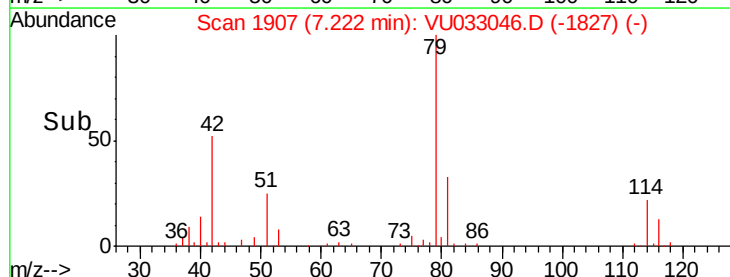
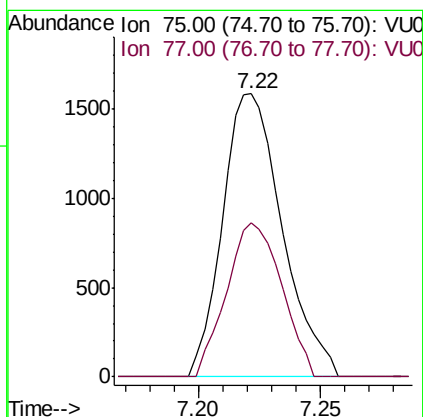
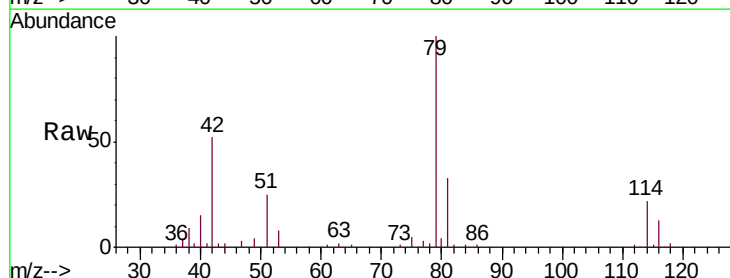
Instrument :
 MSVOA_U
 ClientSampled :
 ETF48

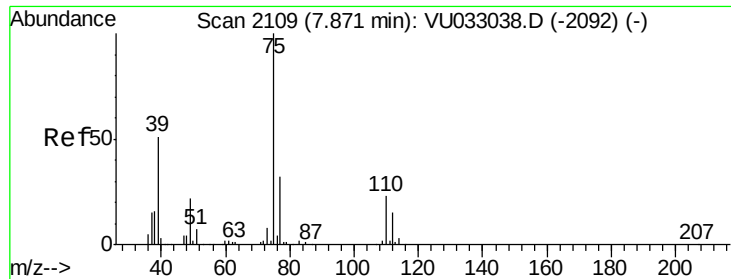
Tgt Ion: 63 Resp: 9959
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.133 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU033046.D
 Acq: 25 Jun 2019 11:43

Tgt Ion: 75 Resp: 2694
 Ion Ratio Lower Upper
 75 100
 77 54.5 21.9 40.7#





#44

trans-1,3-Dichloropropene

Concen: 0.828 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU033046.D

Acq: 25 Jun 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

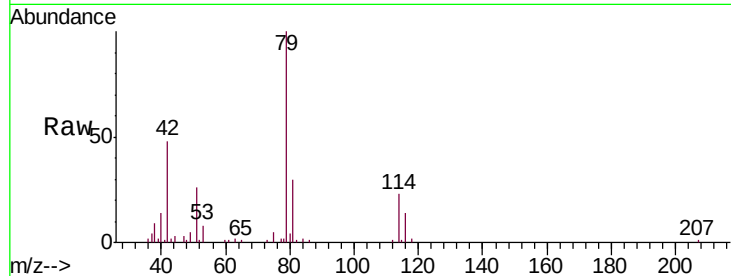
ETF48

Tgt Ion: 75 Resp: 1849

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU033038.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU033038.D (-2092) (-)

7.84

1200

1000

800

600

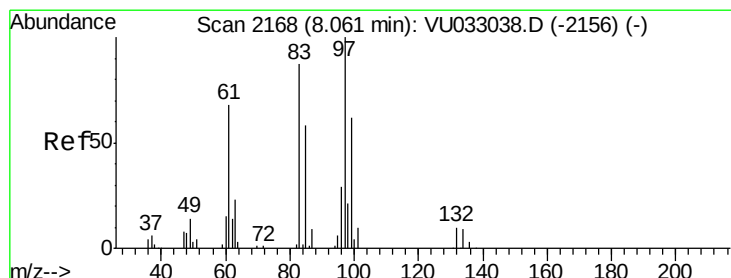
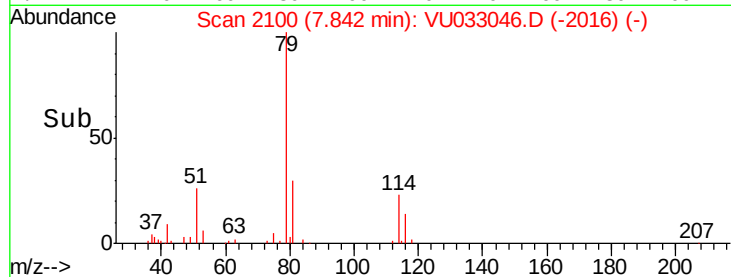
400

200

0

7.80 7.85

Time-->



#45

1,1,2-Trichloroethane

Concen: 3.269 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. 0.16 min

Lab File: VU033046.D

Acq: 25 Jun 2019 11:43

Tgt Ion: 97 Resp: 4644

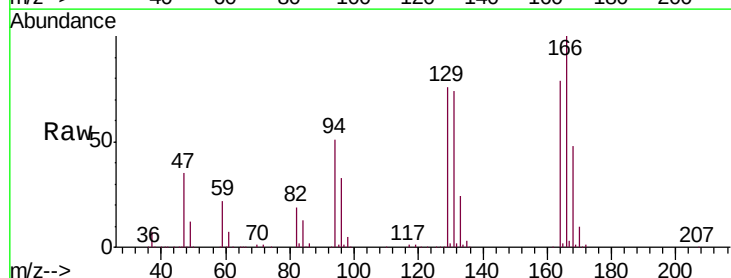
Ion Ratio Lower Upper

97 100

99 15.3 43.1 80.1#

83 245.4 61.4 114.0#

85 41.3 39.2 72.8



Abundance Ion 97.00 (96.70 to 97.70): VU033038.D (-2156) (-)

Ion 99.00 (98.70 to 99.70): VU033038.D (-2156) (-)

Ion 83.00 (82.70 to 83.70): VU033038.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU033038.D (-2156) (-)

10000

8000

6000

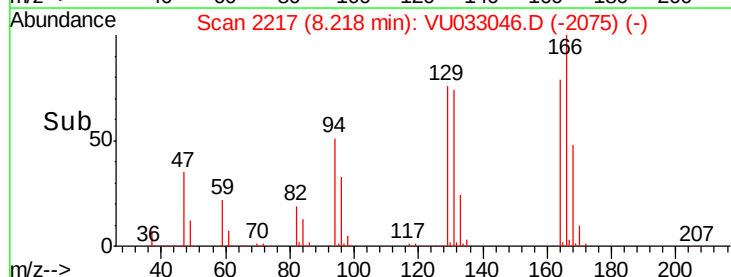
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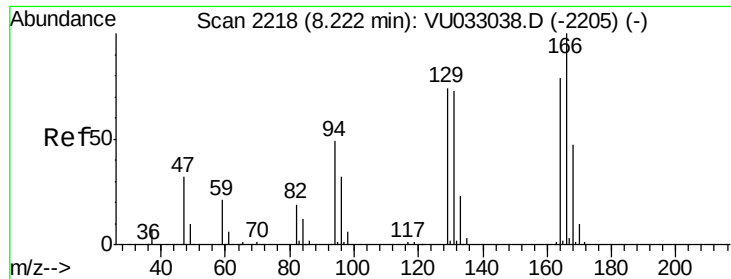
2000

0

8.20 8.25

Time-->





#46

Tetrachloroethene

Concen: 400.217 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033046.D

Acq: 25 Jun 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

ETF48

Tgt Ion:164 Resp: 487513

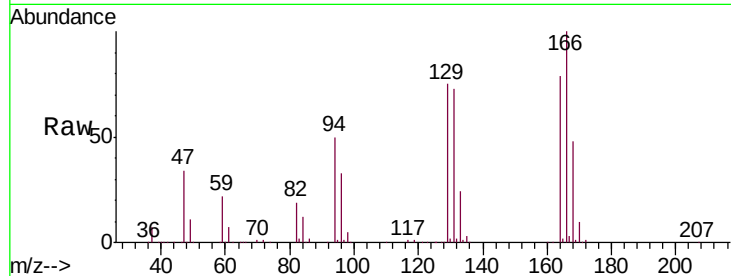
Ion Ratio Lower Upper

164 100

129 95.3 64.8 120.3

131 92.8 64.5 119.7

166 127.0 91.3 169.6

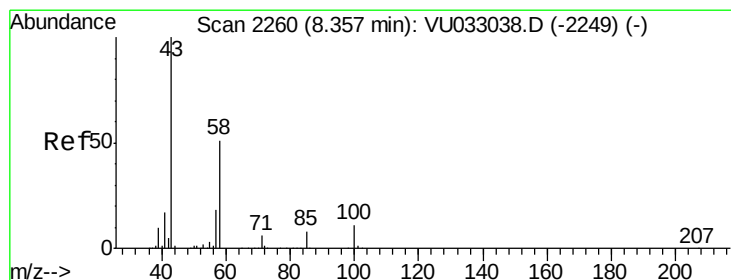
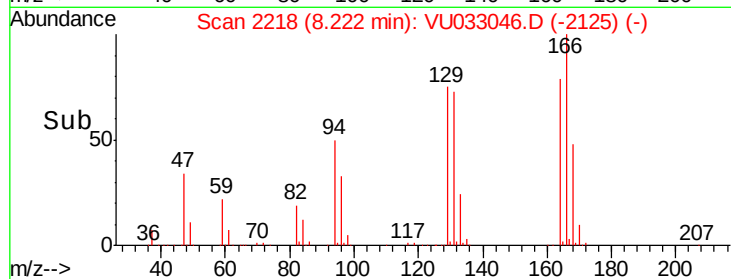
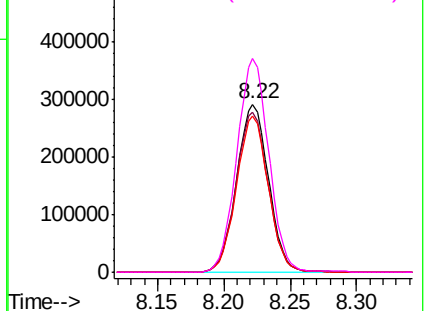


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 1.788 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VU033046.D

Acq: 25 Jun 2019 11:43

Tgt Ion: 43 Resp: 3843

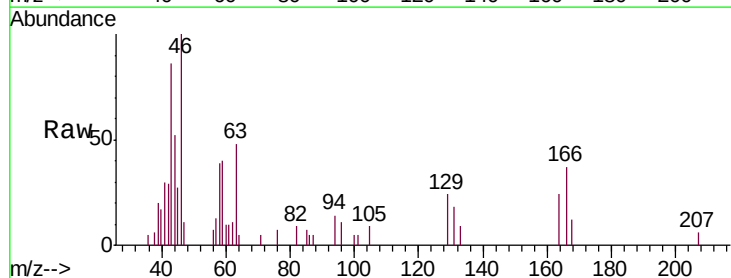
Ion Ratio Lower Upper

43 100

58 40.3 40.2 60.2

57 0.0 14.2 21.4#

100 1.1 8.4 12.6#

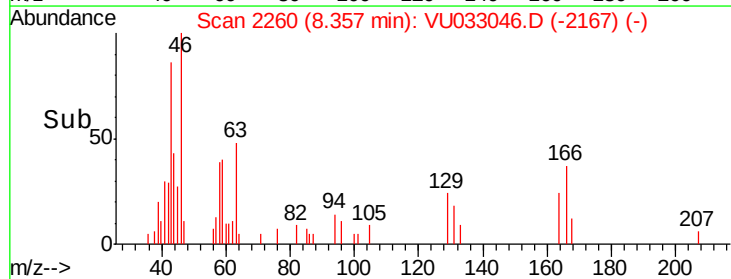
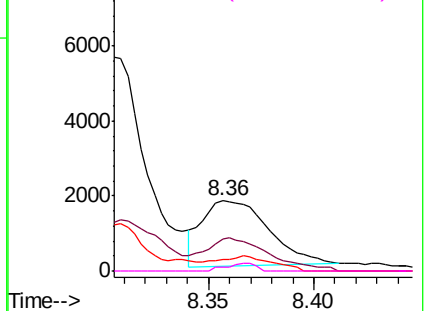


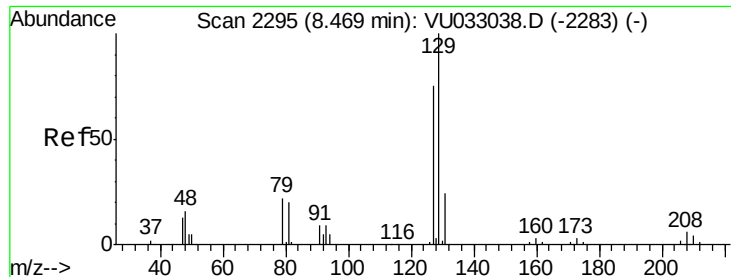
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 271.078 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU033046.D

Acq: 25 Jun 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

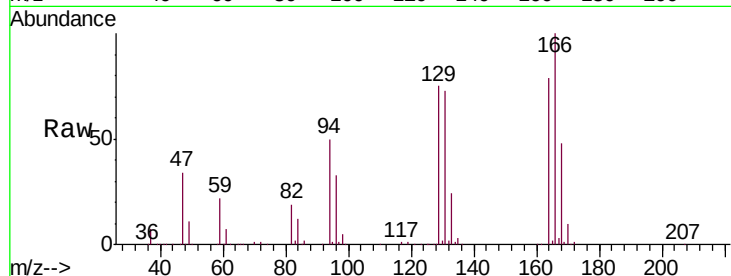
ETF48

Tgt Ion:129 Resp: 464217

Ion Ratio Lower Upper

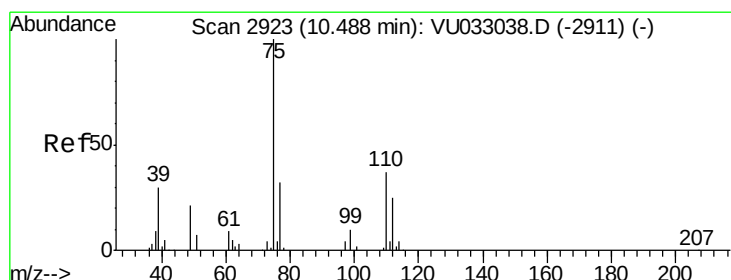
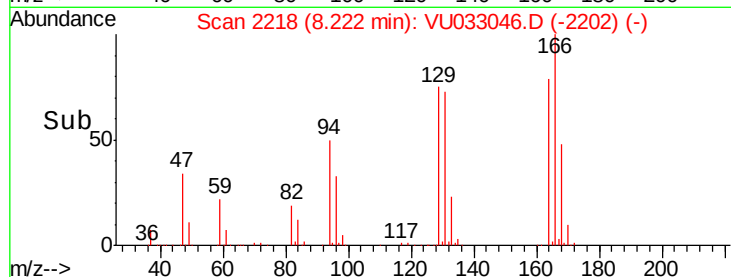
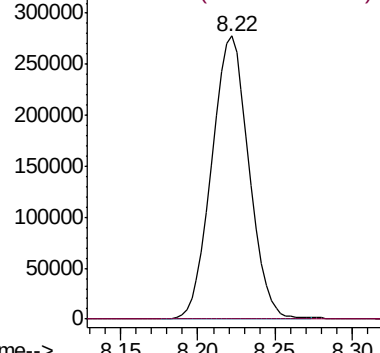
129 100

127 0.1 52.3 97.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.644 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033046.D

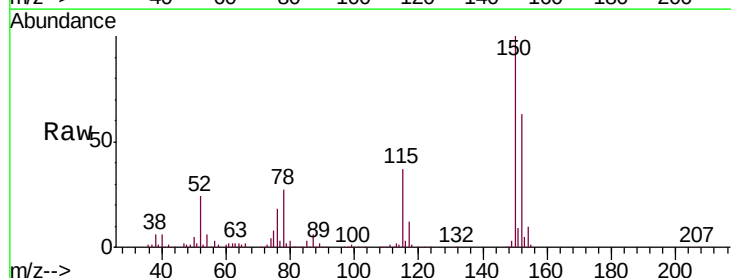
Acq: 25 Jun 2019 11:43

Tgt Ion: 75 Resp: 11495

Ion Ratio Lower Upper

75 100

77 40.1 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

