

Data File : VU033041.D
Acq On : 25 Jun 2019 09:48
Operator : JC/SP
Sample : K3478-17DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF32DL

Quant Time: Jun 26 07:09:40 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	193071	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	190422	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91935	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60952	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.38%
7) Chloroethane-d5	1.65	69	54887	52.16	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.32%
11) 1,1-Dichloroethene-d2	2.25	63	97553	36.70	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.40%
21) 2-Butanone-d5	4.17	46	126069	114.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.79%
24) Chloroform-d	4.63	84	133593	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.16%
26) 1,2-Dichloroethane-d4	5.30	65	95032	55.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.24%
32) Benzene-d6	5.33	84	257250	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.64%
36) 1,2-Dichloropropane-d6	6.32	67	84857	53.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.32%
41) Toluene-d8	7.56	98	233921	50.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.64%
43) trans-1,3-Dichloropropene-	7.84	79	41728	50.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.46%
47) 2-Hexanone-d5	8.31	63	76833	104.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	128516	52.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.14%
64) 1,2-Dichlorobenzene-d4	11.85	152	96259	54.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.22%

Target Compounds

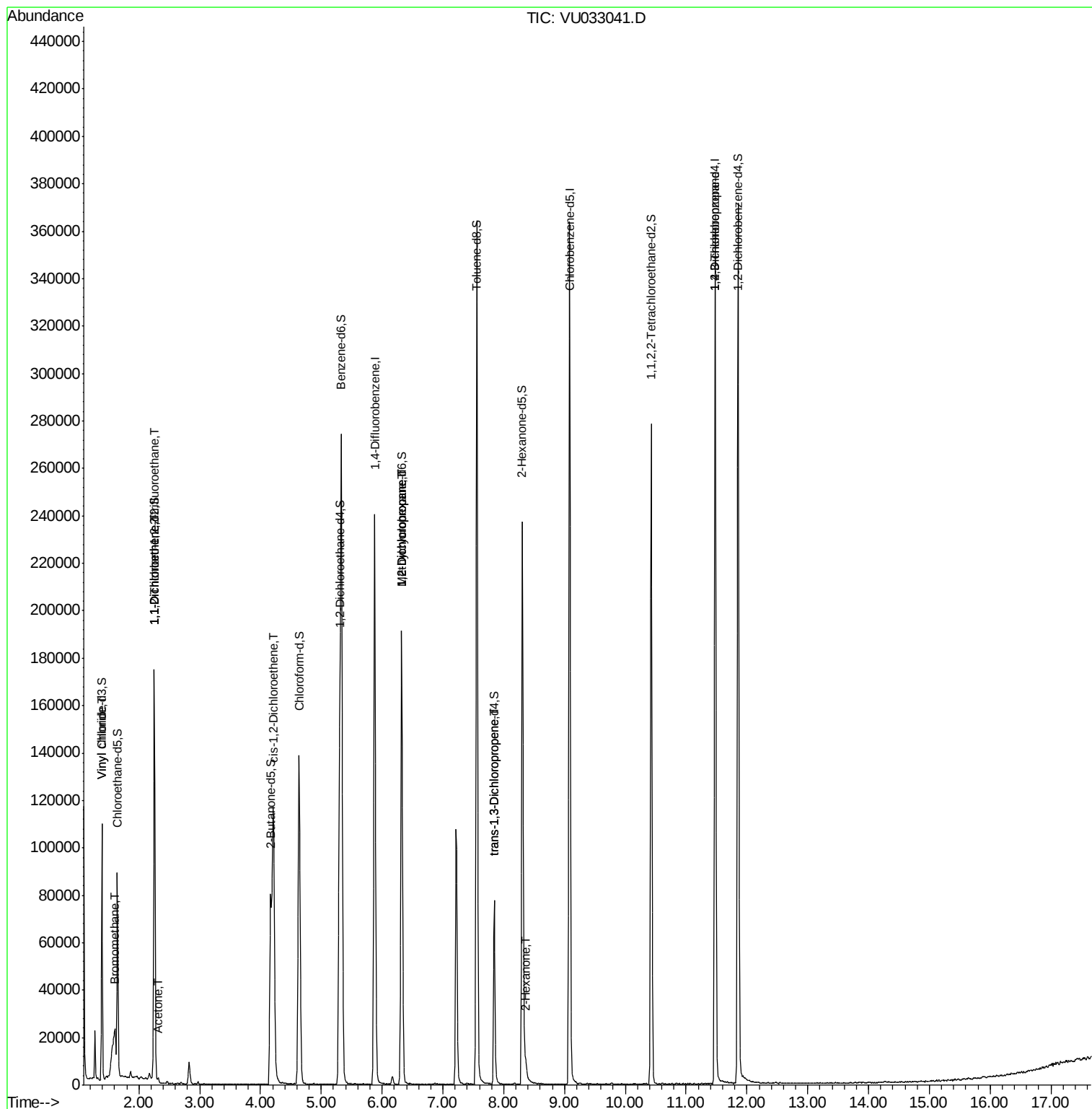
					Qvalue	
5) Vinyl chloride	1.40	62	2879	1.642	ug/L #	51
6) Bromomethane	1.60	94	746	0.723	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	819	0.635	ug/L #	17
12) 1,1-Dichloroethene	2.25	96	882	0.725	ug/L #	1
13) Acetone	2.32	43	752	0.496	ug/L #	44
20) cis-1,2-Dichloroethene	4.21	96	56229	39.148	ug/L	95
35) Methylcyclohexane	6.32	83	19422	8.573	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	10089	6.705	ug/L #	88
44) trans-1,3-Dichloropropene	7.84	75	2108	0.957	ug/L	92
48) 2-Hexanone	8.36	43	3590	1.694	ug/L #	96
59) 1,2,3-Trichloropropane	11.48	75	12137	6.044	ug/L	91

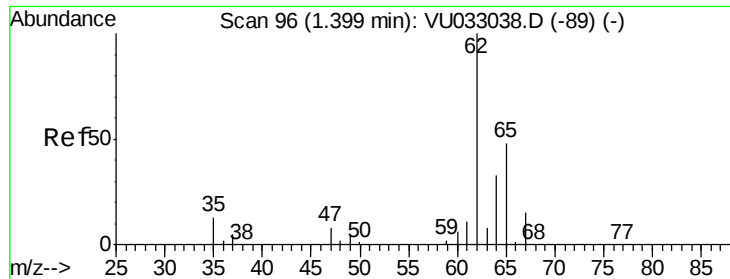
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.642 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033041.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_U

ClientSampleId :

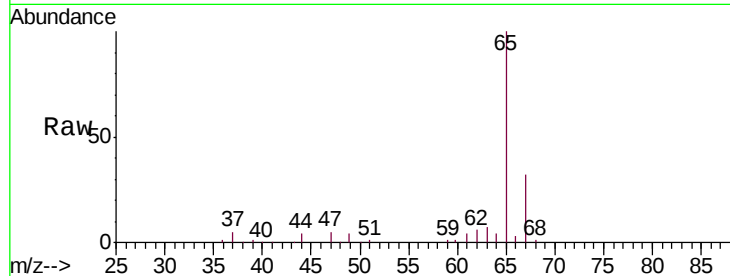
ETF32DL

Tgt Ion: 62 Resp: 2879

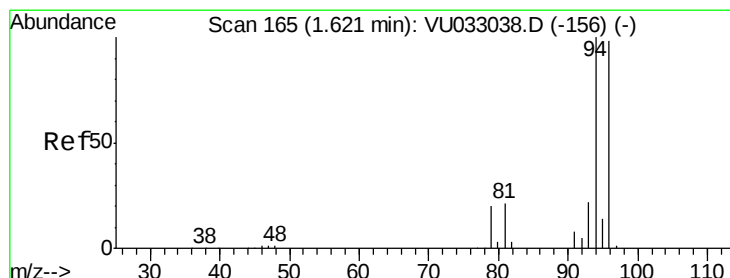
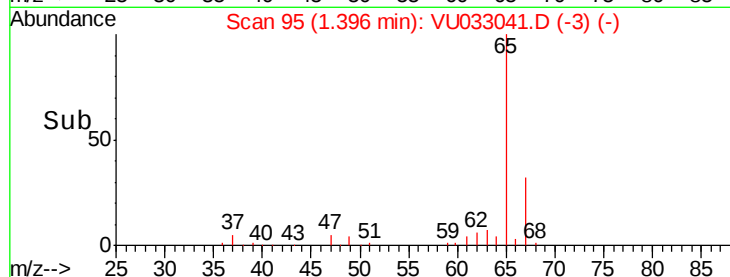
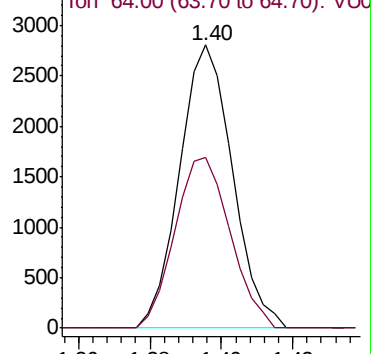
Ion Ratio Lower Upper

62 100

64 60.3 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU033038.D (-89) (-)



#6

Bromomethane

Concen: 0.723 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU033041.D

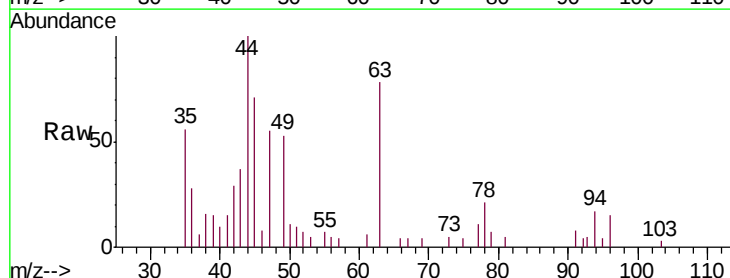
Acq: 25 Jun 2019 09:48

Tgt Ion: 94 Resp: 746

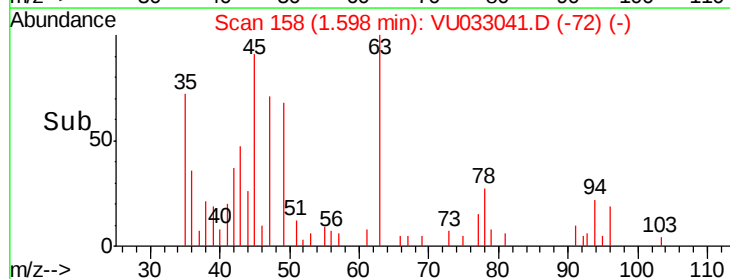
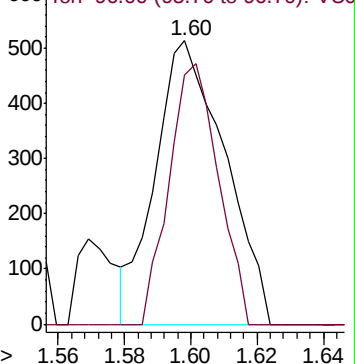
Ion Ratio Lower Upper

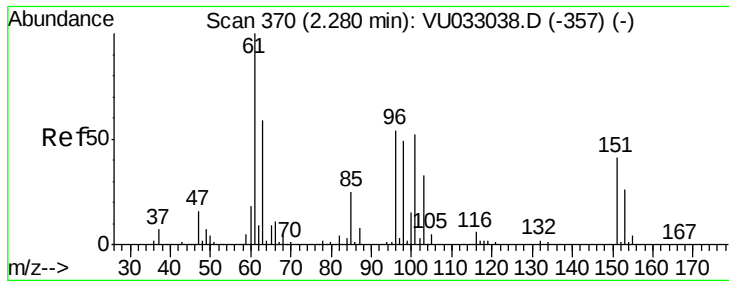
94 100

96 88.1 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU033038.D (-156) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.635 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033041.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_U

ClientSampleId :

ETF32DL

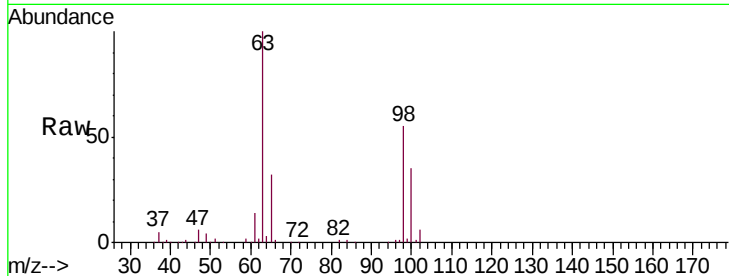
Tgt Ion:101 Resp: 819

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

600

400

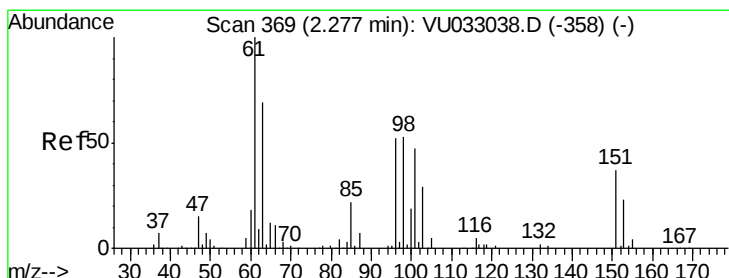
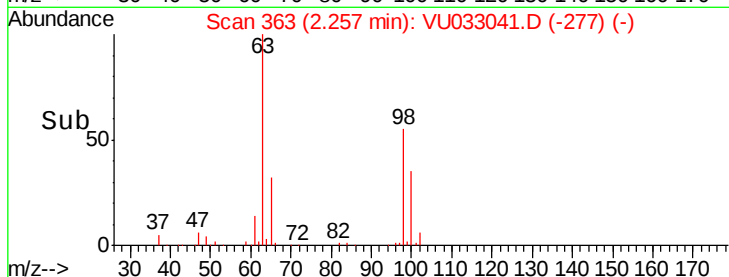
200

0

2.22 2.24 2.26 2.28

2.26

Time-->



#12

1,1-Dichloroethene

Concen: 0.725 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033041.D

Acq: 25 Jun 2019 09:48

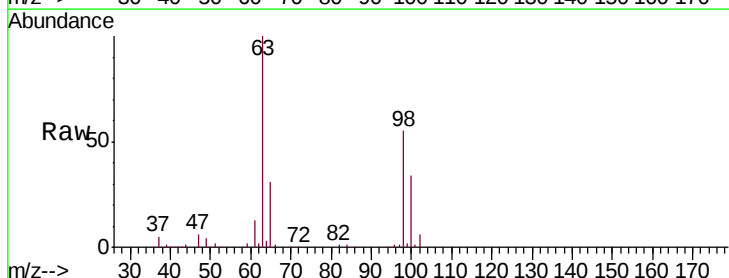
Tgt Ion: 96 Resp: 882

Ion Ratio Lower Upper

96 100

61 1659.7 131.0 243.4#

63 12314.8 101.0 187.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

80000

60000

40000

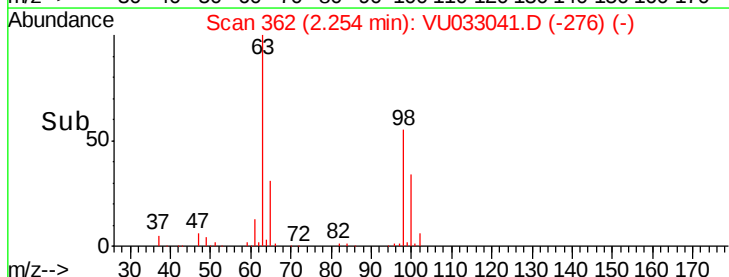
20000

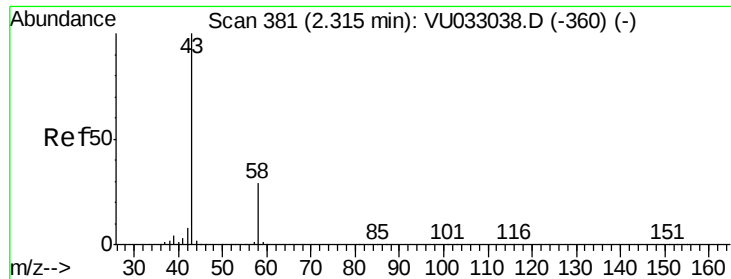
0

2.22 2.24 2.26 2.28 2.30

2.25

Time-->





#13

Acetone

Concen: 0.496 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU033041.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_U

ClientSampled :

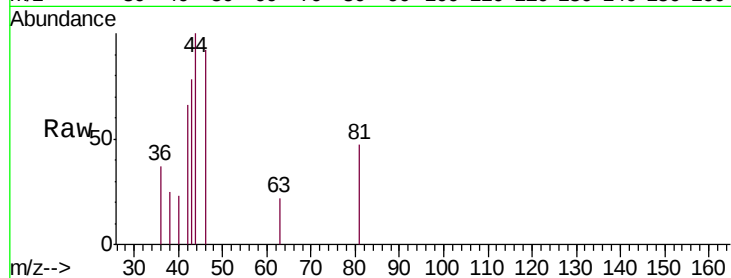
ETF32DL

Tgt Ion: 43 Resp: 752

Ion Ratio Lower Upper

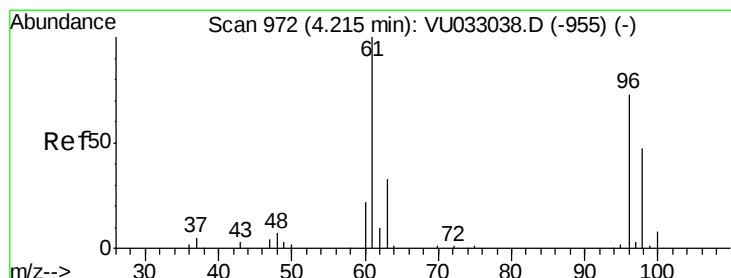
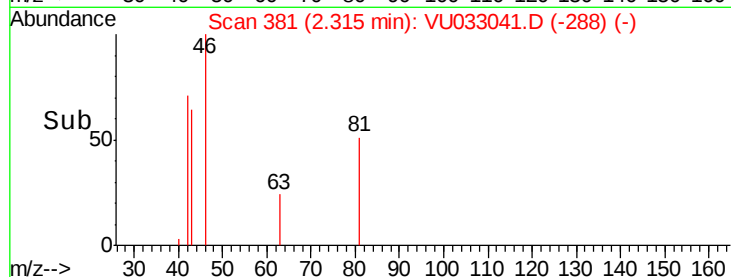
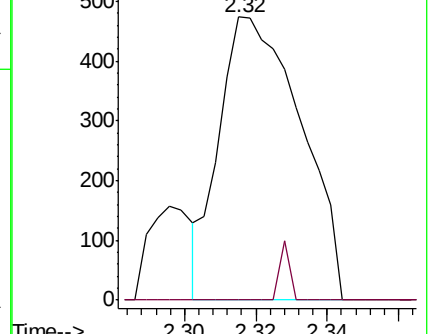
43 100

58 0.0 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033038.D

Ion 58.00 (57.70 to 58.70): VU033038.D



#20

cis-1,2-Dichloroethene

Concen: 39.148 ug/L

RT: 4.21 min Scan# 971

Delta R.T. -0.00 min

Lab File: VU033041.D

Acq: 25 Jun 2019 09:48

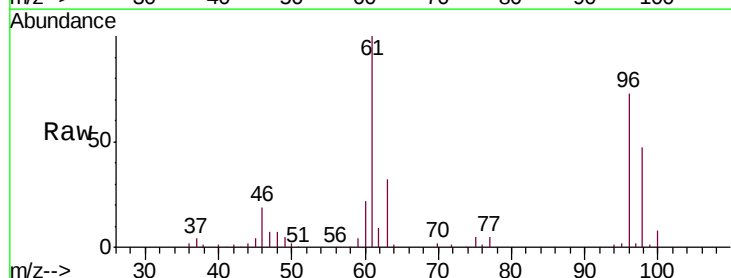
Tgt Ion: 96 Resp: 56229

Ion Ratio Lower Upper

96 100

61 137.5 92.4 171.6

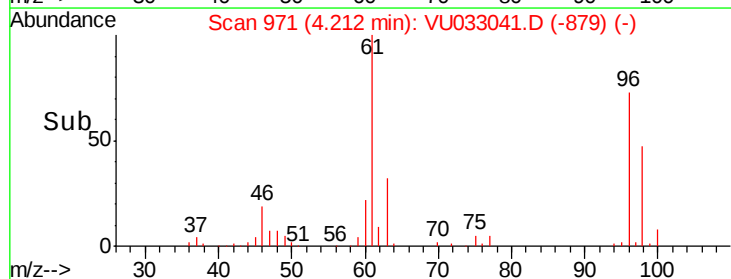
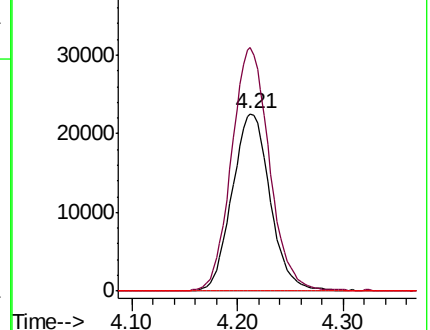
68 0.0 0.0 0.0

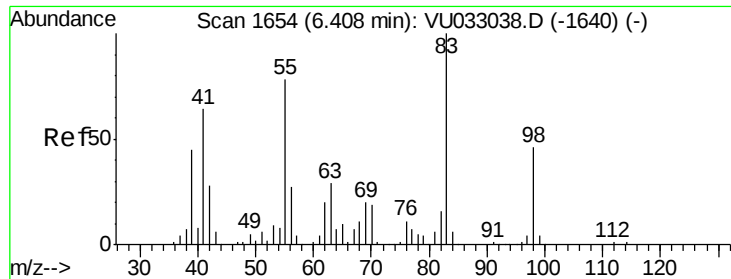


Abundance Ion 96.00 (95.70 to 96.70): VU033038.D

Ion 61.00 (60.70 to 61.70): VU033038.D

Ion 68.00 (67.70 to 68.70): VU033038.D

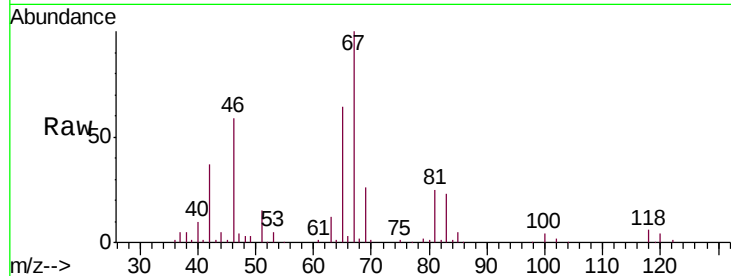




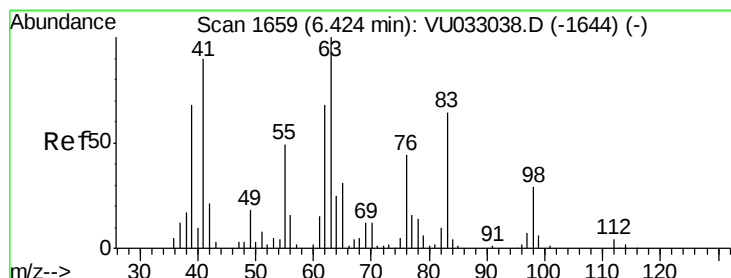
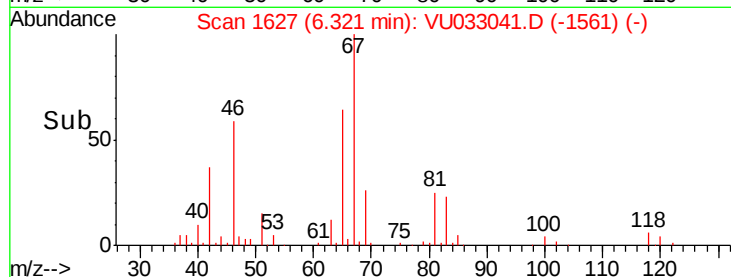
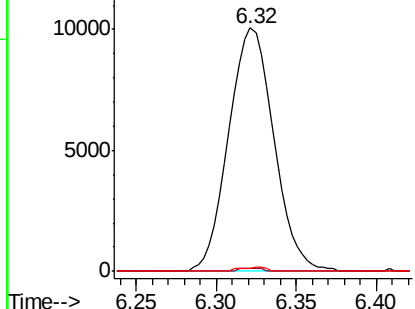
#35
Methylcyclohexane
Concen: 8.573 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.09 min
Lab File: VU033041.D
Acq: 25 Jun 2019 09:48

Instrument :
MSVOA_U
ClientSampleId :
ETF32DL

Tgt Ion: 83 Resp: 19422
Ion Ratio Lower Upper
83 100
55 0.6 62.6 94.0#
98 0.9 37.4 56.0#

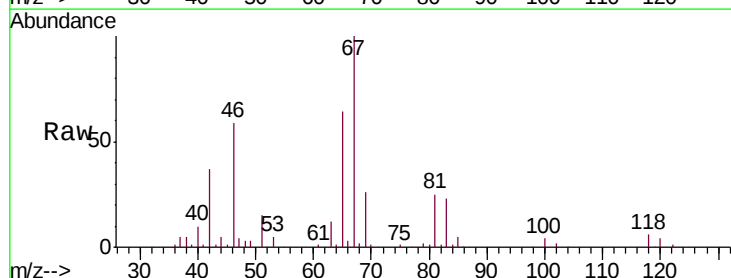


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

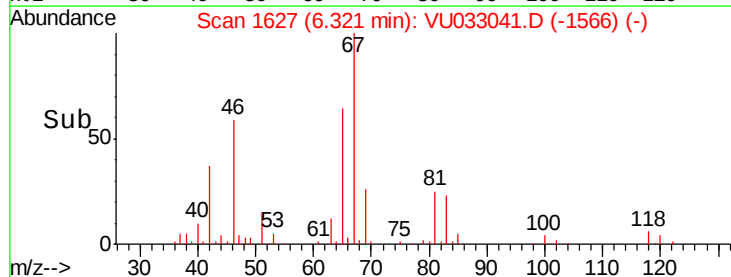
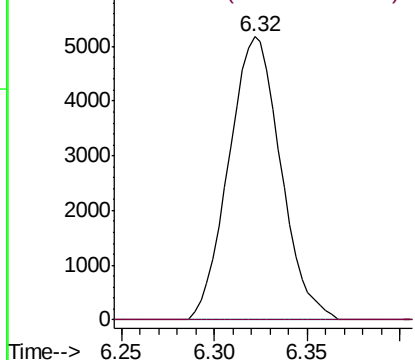


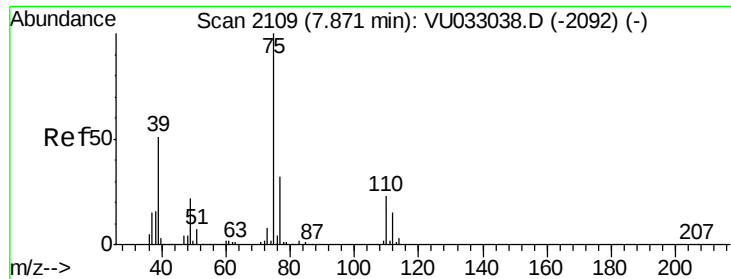
#37
1,2-Dichloropropane
Concen: 6.705 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.10 min
Lab File: VU033041.D
Acq: 25 Jun 2019 09:48

Tgt Ion: 63 Resp: 10089
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

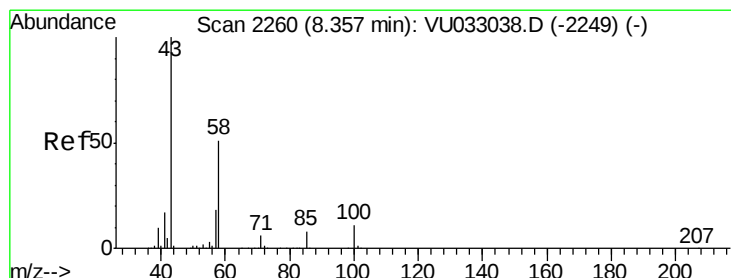
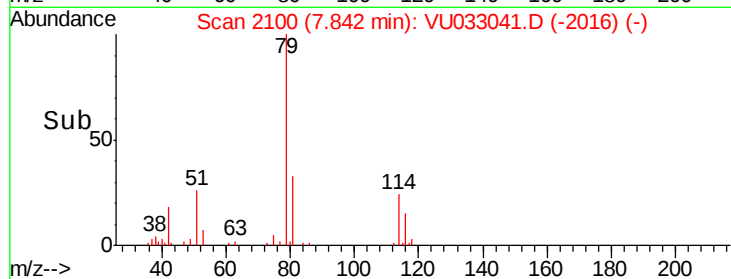
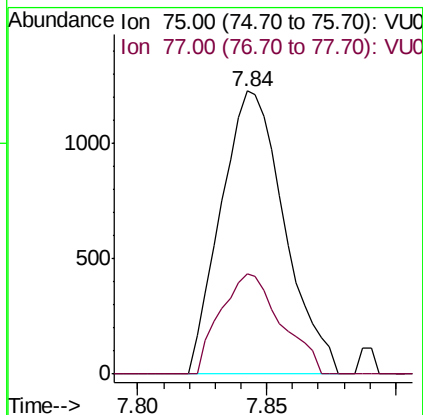
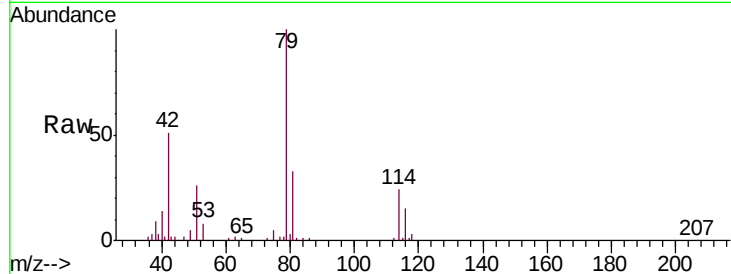




#44
 trans-1,3-Dichloropropene
 Concen: 0.957 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.03 min
 Lab File: VU033041.D
 Acq: 25 Jun 2019 09:48

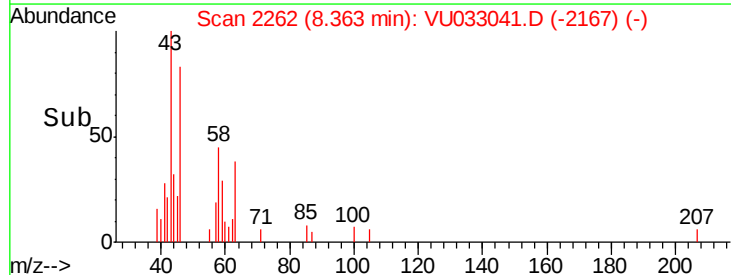
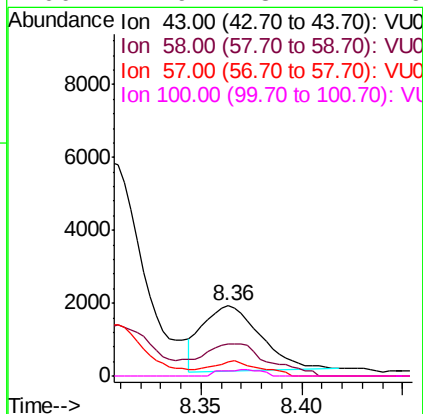
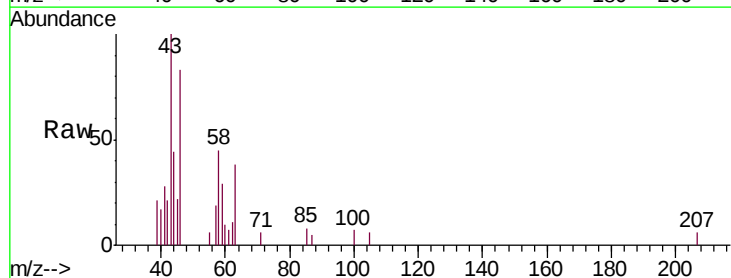
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF32DL

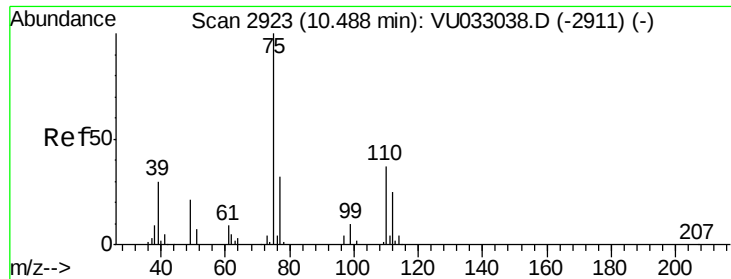
Tgt Ion: 75 Resp: 2108
 Ion Ratio Lower Upper
 75 100
 77 35.3 21.8 40.4



#48
 2-Hexanone
 Concen: 1.694 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: VU033041.D
 Acq: 25 Jun 2019 09:48

Tgt Ion: 43 Resp: 3590
 Ion Ratio Lower Upper
 43 100
 58 51.1 40.2 60.2
 57 19.4 14.2 21.4
 100 4.9 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 6.044 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033041.D

Acq: 25 Jun 2019 09:48

Instrument :

MSVOA_U

ClientSampleId :

ETF32DL

Tgt Ion: 75 Resp: 12137

Ion Ratio Lower Upper

75 100

77 37.2 25.5 38.3

