

Data File : VU033062.D
Acq On : 27 Jun 2019 13:25
Operator : JC/SP
Sample : K3463-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF14

Quant Time: Jun 28 02:46:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 28 02:43:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	180098	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	178698	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	86012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52858	42.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.90%
7) Chloroethane-d5	1.68	69	41877	42.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.32%
11) 1,1-Dichloroethene-d2	2.26	63	77628	31.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.62%
21) 2-Butanone-d5	4.17	46	117991	115.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.18%
24) Chloroform-d	4.64	84	114714	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	5.30	65	81427	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
32) Benzene-d6	5.33	84	215239	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.42%
36) 1,2-Dichloropropane-d6	6.32	67	73268	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.74%
41) Toluene-d8	7.56	98	195711	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%
43) trans-1,3-Dichloropropene-	7.84	79	35796	46.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.74%
47) 2-Hexanone-d5	8.31	63	66388	95.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.81%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	112108	48.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	81767	49.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.26%

Target Compounds

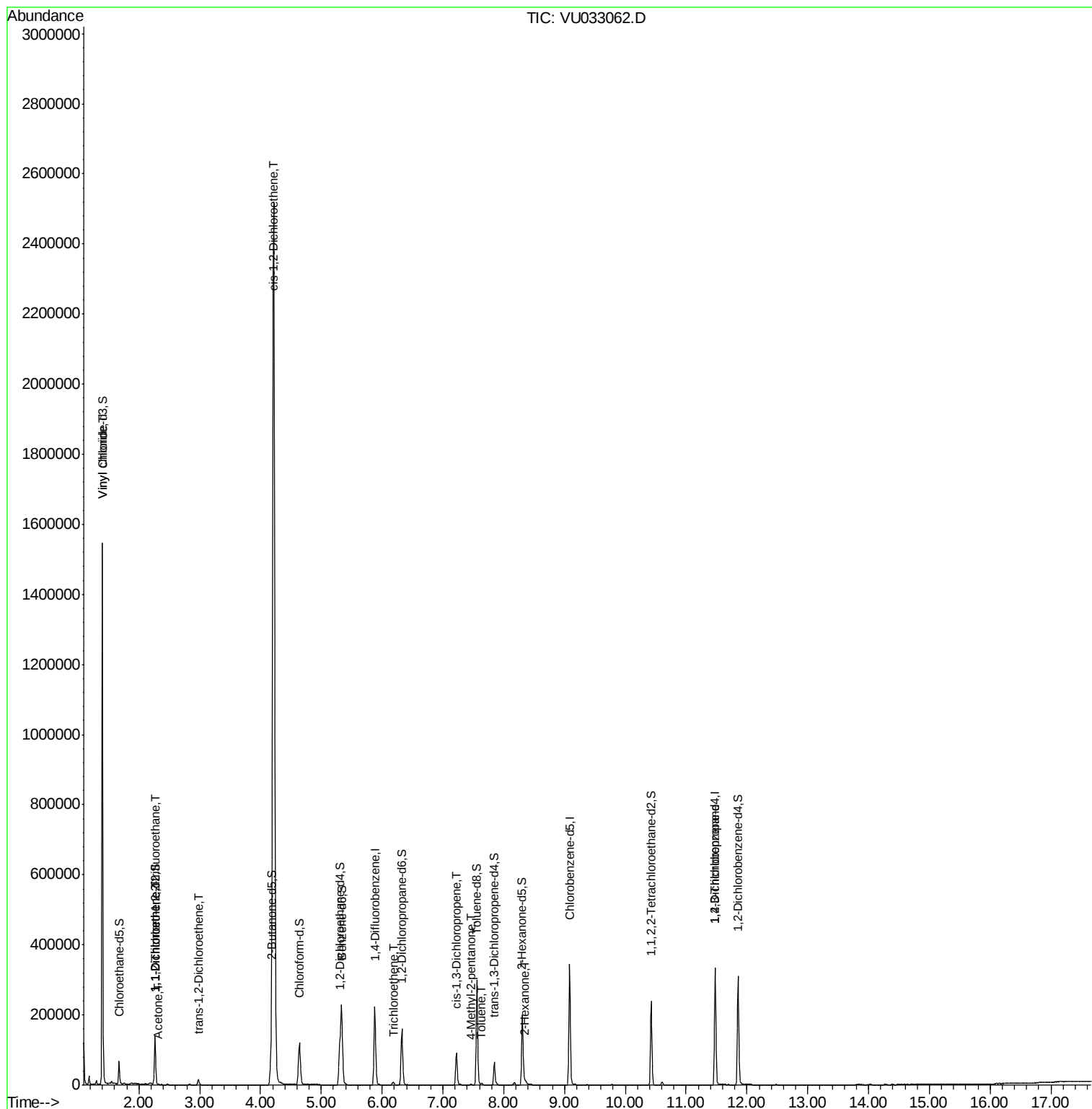
						Qvalue
5) Vinyl chloride	1.40	62	887192	542.480	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	752	0.625	ug/L #	17
12) 1,1-Dichloroethene	2.28	96	2175	1.918	ug/L #	1
13) Acetone	2.32	43	1233	0.871	ug/L	75
17) trans-1,2-Dichloroethene	2.98	96	6041	4.912	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	1329740	992.481	ug/L	94
34) Trichloroethene	6.19	95	2536	1.844	ug/L	93
39) cis-1,3-Dichloropropene	7.22	75	2730	1.241	ug/L #	65
40) 4-Methyl-2-pentanone	7.46	43	1688	0.749	ug/L #	75
42) Toluene	7.63	91	2354	0.423	ug/L	94
48) 2-Hexanone	8.36	43	5131	2.580	ug/L #	73
59) 1,2,3-Trichloropropane	11.48	75	11613	6.162	ug/L	92

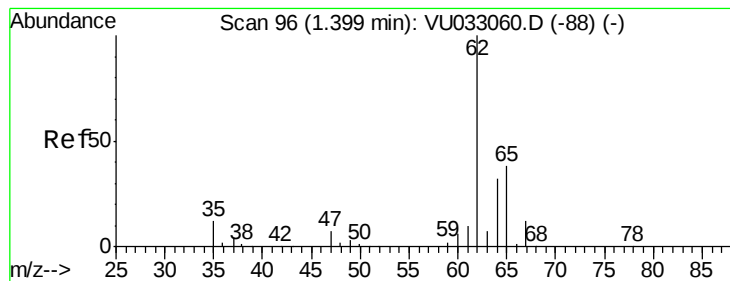
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jun 28 02:43:25 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 542.480 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033062.D

Acq: 27 Jun 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

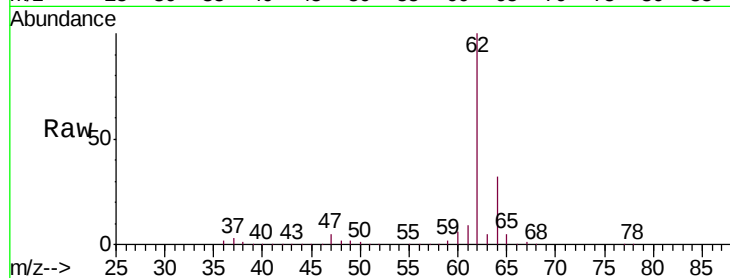
ETF14

Tgt Ion: 62 Resp: 887192

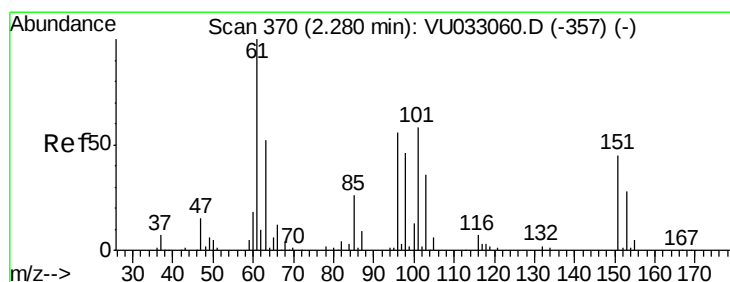
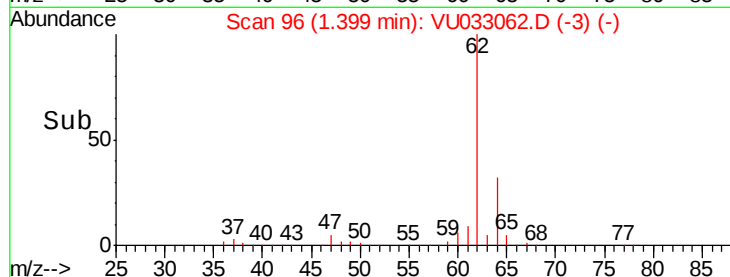
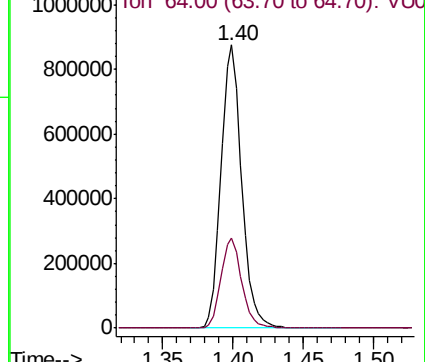
Ion Ratio Lower Upper

62 100

64 31.9 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033062.D (-3) (-)



#10

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

Concen: 0.625 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033062.D

Acq: 27 Jun 2019 13:25

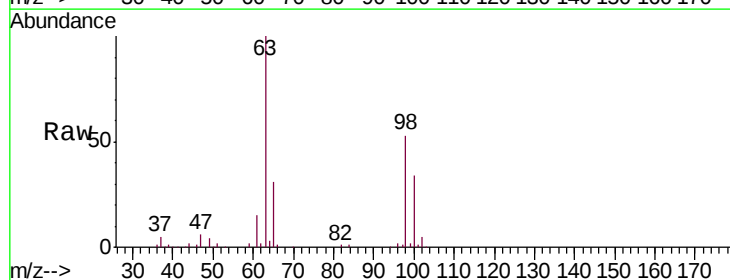
Tgt Ion: 101 Resp: 752

Ion Ratio Lower Upper

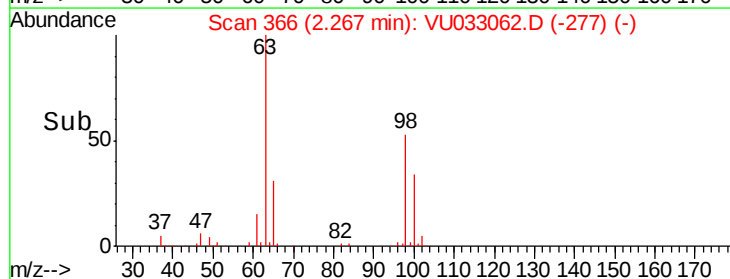
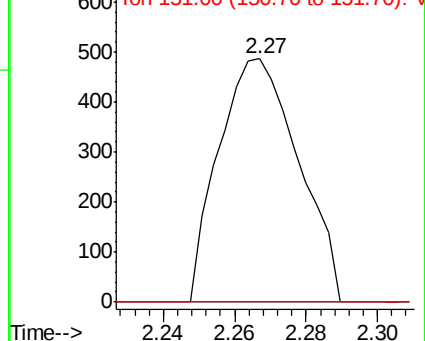
101 100

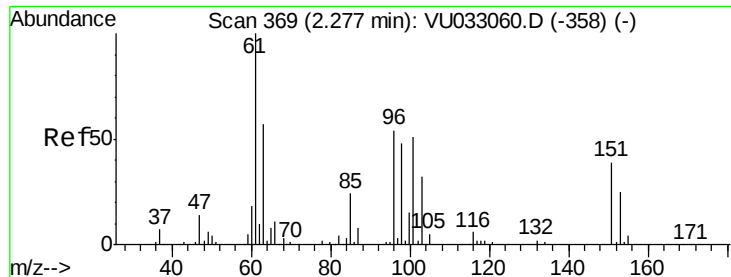
85 0.0 36.8 55.2#

151 0.0 63.6 95.4#



Abundance Ion 101.00 (100.70 to 101.70): VU033062.D (-277) (-)





#12

1,1-Dichloroethene

Concen: 1.918 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU033062.D

Acq: 27 Jun 2019 13:25

Instrument :

MSVOA_U

ClientSampled :

ETF14

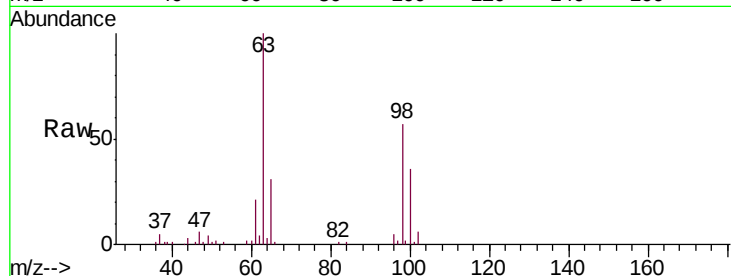
Tgt Ion: 96 Resp: 2175

Ion Ratio Lower Upper

96 100

61 415.3 131.0 243.4#

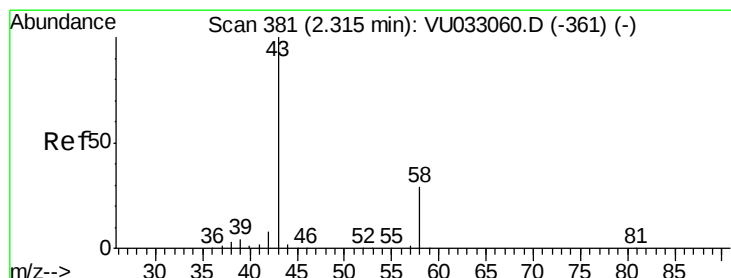
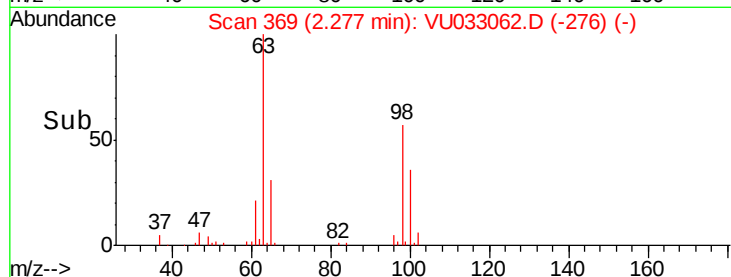
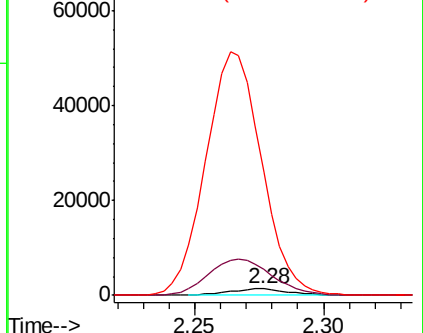
63 1967.5 101.0 187.6#



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



#13

Acetone

Concen: 0.871 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033062.D

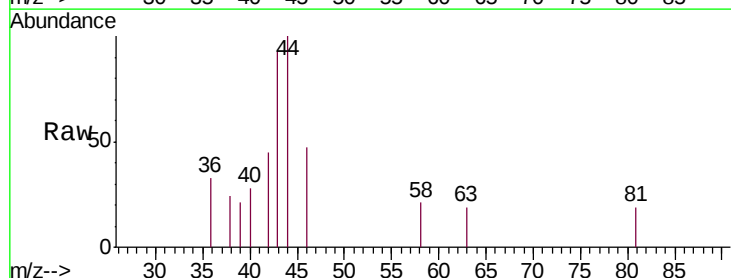
Acq: 27 Jun 2019 13:25

Tgt Ion: 43 Resp: 1233

Ion Ratio Lower Upper

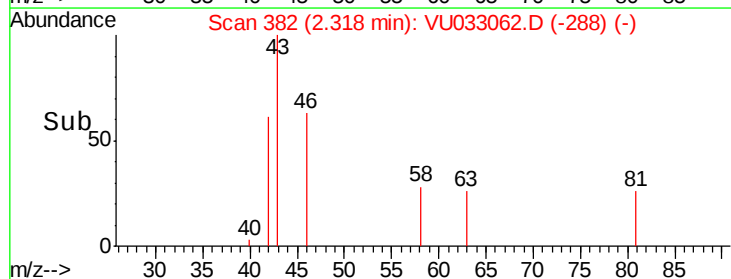
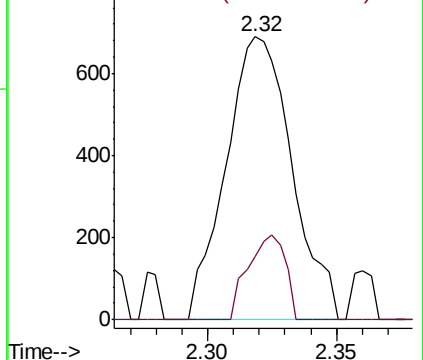
43 100

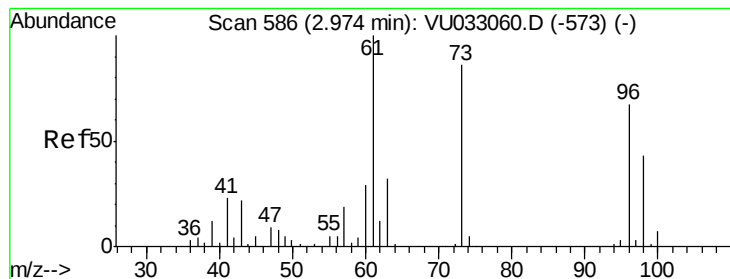
58 16.9 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 4.912 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033062.D

Acq: 27 Jun 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

ETF14

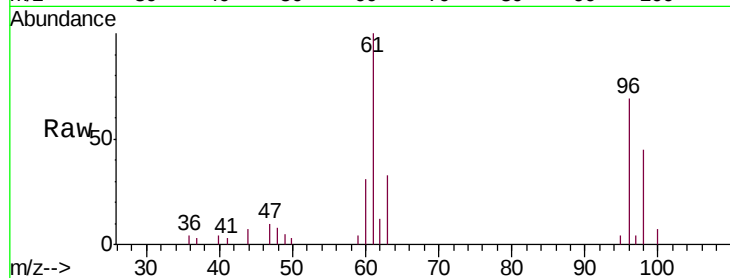
Tgt Ion: 96 Resp: 6041

Ion Ratio Lower Upper

96 100

61 145.4 100.9 187.5

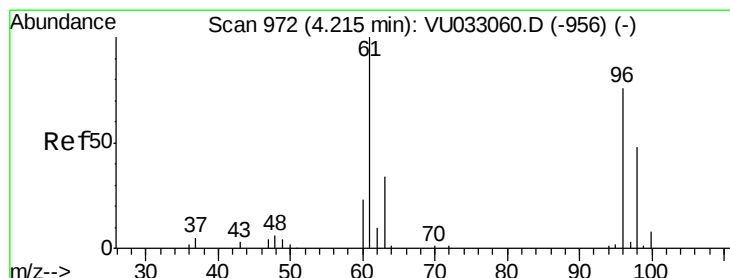
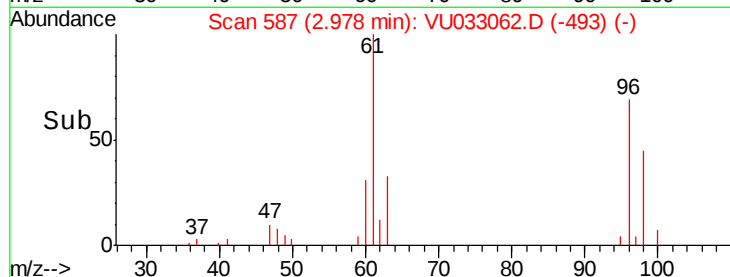
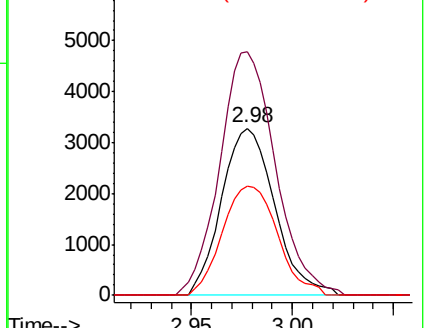
98 65.4 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033060.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU033060.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU033060.D (-573) (-)



#20

cis-1,2-Dichloroethene

Concen: 992.481 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033062.D

Acq: 27 Jun 2019 13:25

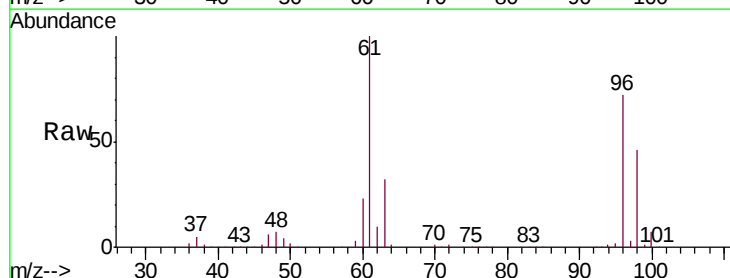
Tgt Ion: 96 Resp: 1329740

Ion Ratio Lower Upper

96 100

61 139.5 92.4 171.6

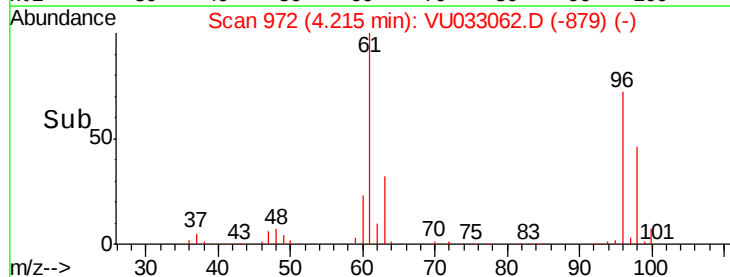
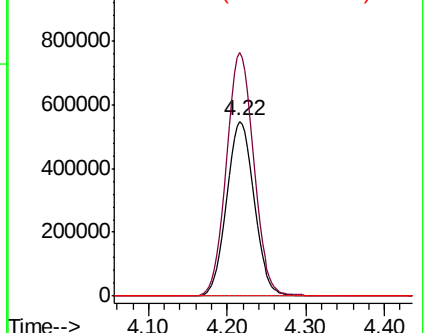
68 0.0 0.0 0.0

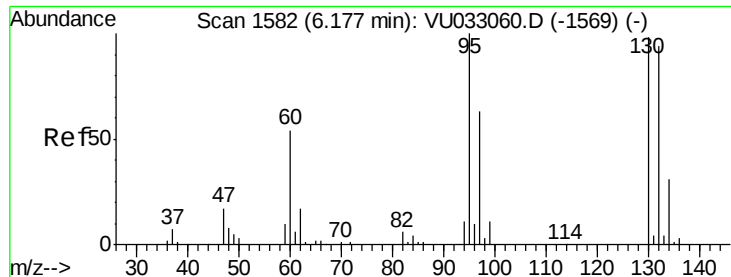


Abundance Ion 96.00 (95.70 to 96.70): VU033060.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU033060.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU033060.D (-956) (-)





#34

Trichloroethene

Concen: 1.844 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU033062.D

Acq: 27 Jun 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

ETF14

Tgt Ion: 95 Resp: 2536

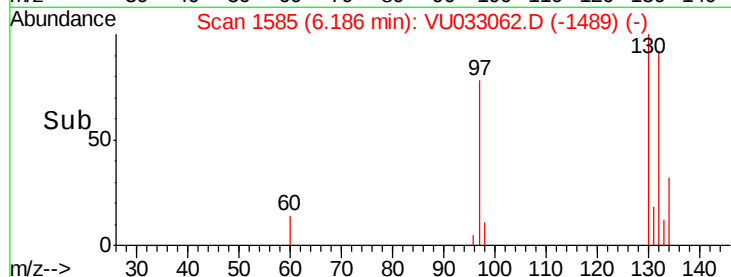
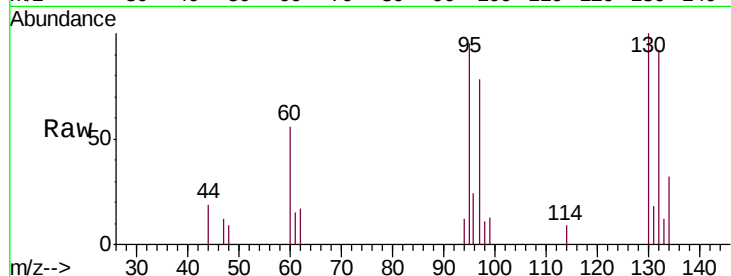
Ion Ratio Lower Upper

95 100

97 82.5 45.9 85.3

132 96.8 68.5 127.3

130 105.2 70.8 131.4

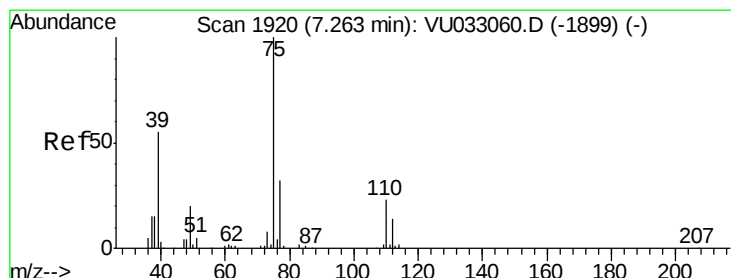
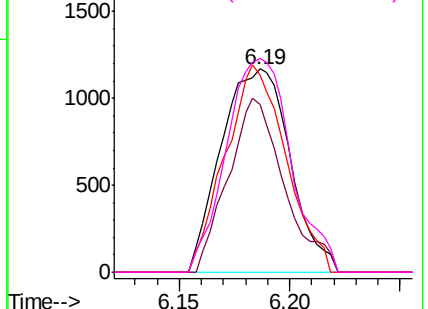


Abundance Ion 95.00 (94.70 to 95.70): VU033062.D (-1489) (-)

Ion 97.00 (96.70 to 97.70): VU033062.D (-1489) (-)

Ion 132.00 (131.70 to 132.70): VU033062.D (-1489) (-)

Ion 130.00 (129.70 to 130.70): VU033062.D (-1489) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.241 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU033062.D

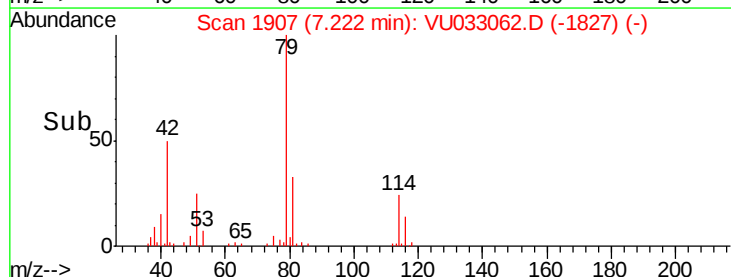
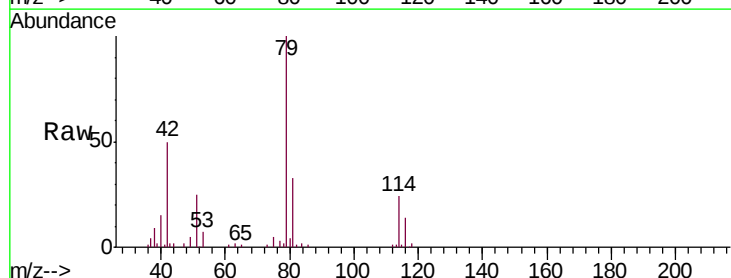
Acq: 27 Jun 2019 13:25

Tgt Ion: 75 Resp: 2730

Ion Ratio Lower Upper

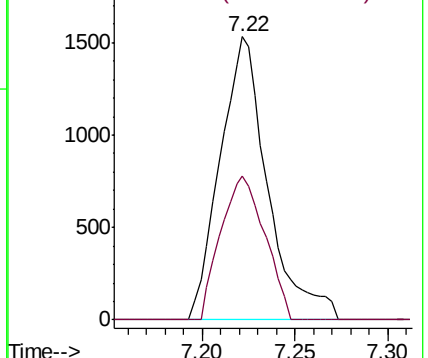
75 100

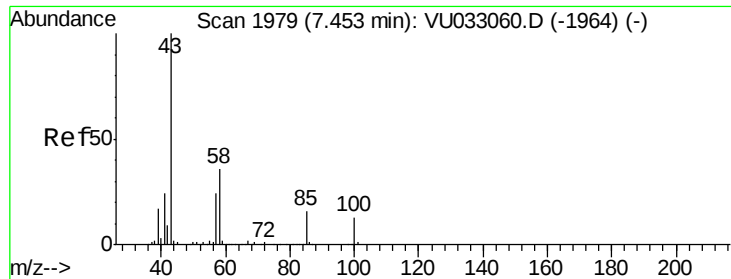
77 50.7 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU033062.D (-1827) (-)

Ion 77.00 (76.70 to 77.70): VU033062.D (-1827) (-)

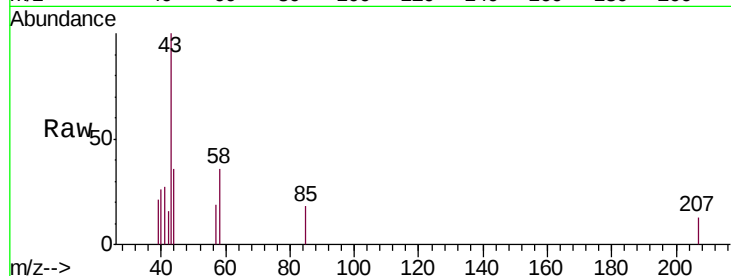




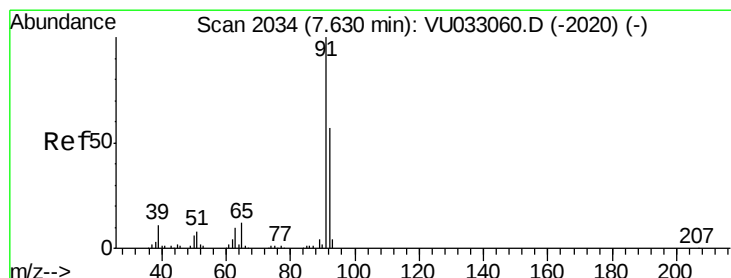
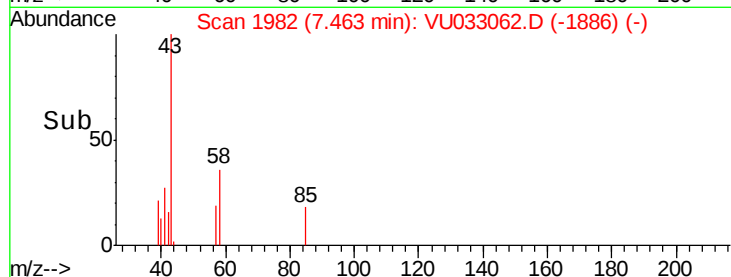
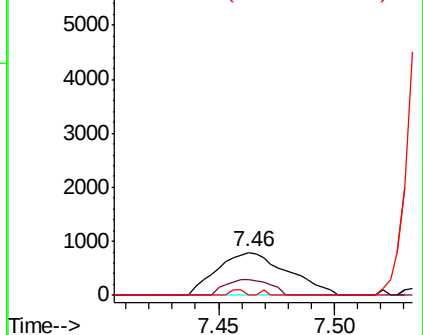
#40
 4-Methyl-2-pentanone
 Concen: 0.749 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.01 min
 Lab File: VU033062.D
 Acq: 27 Jun 2019 13:25

Instrument :
 MSVOA_U
 ClientSampled :
 ETF14

Tgt Ion: 43 Resp: 1688
 Ion Ratio Lower Upper
 43 100
 58 22.9 29.4 44.2#
 100 2.4 11.2 16.8#

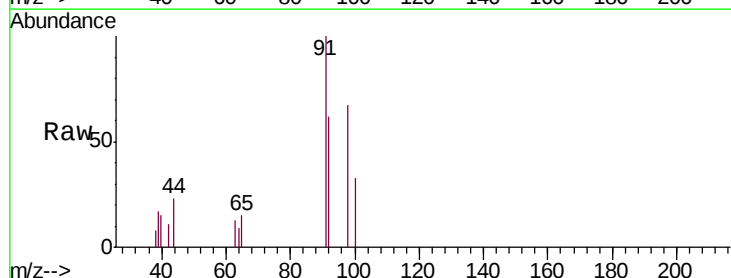


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

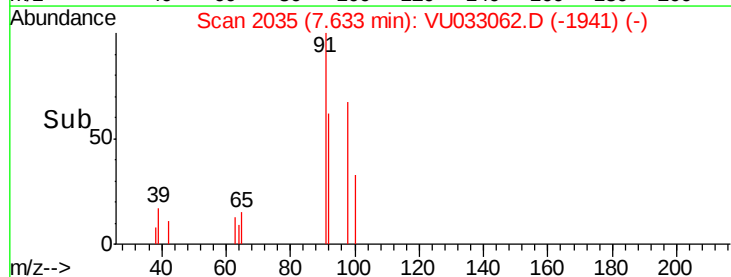
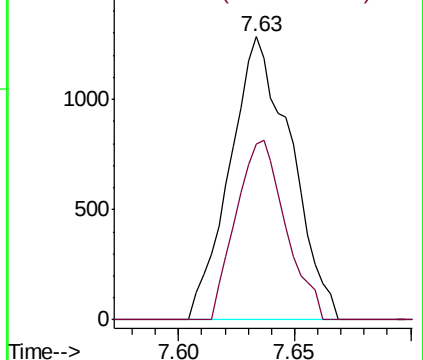


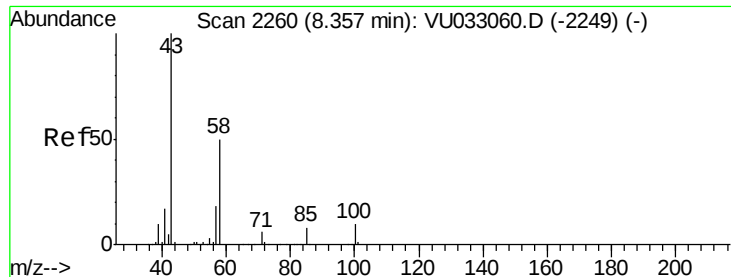
#42
 Toluene
 Concen: 0.423 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU033062.D
 Acq: 27 Jun 2019 13:25

Tgt Ion: 91 Resp: 2354
 Ion Ratio Lower Upper
 91 100
 92 62.0 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0

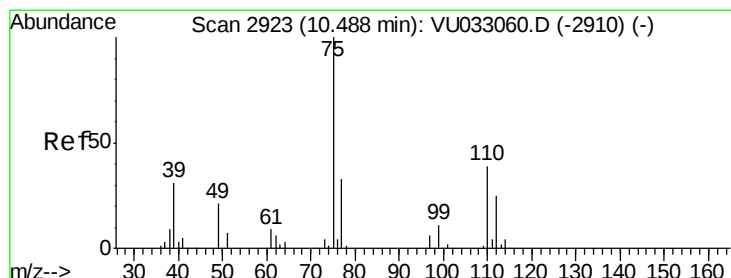
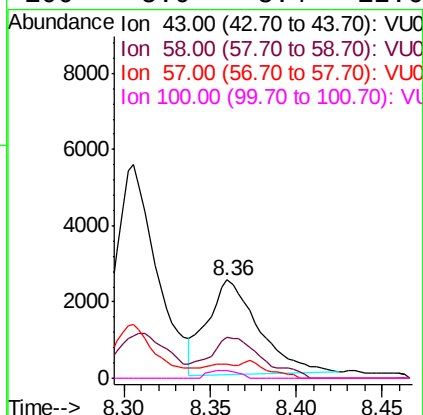
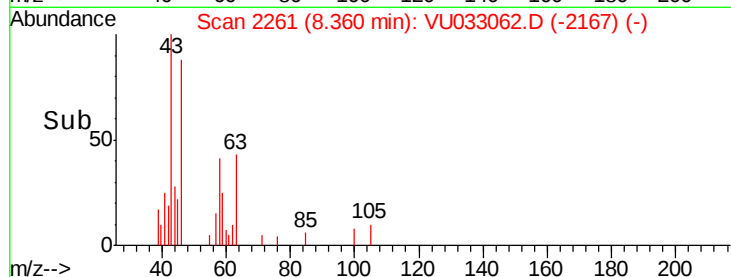
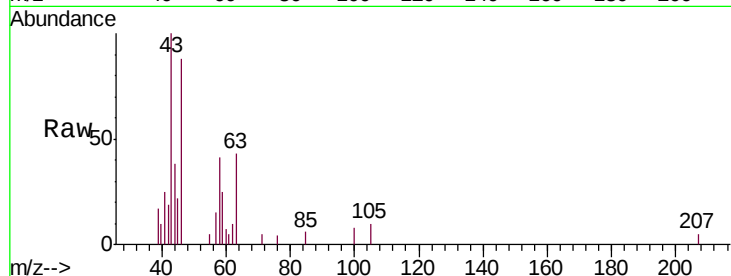




#48
2-Hexanone
Concen: 2.580 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU033062.D
Acq: 27 Jun 2019 13:25

Instrument :
MSVOA_U
ClientSampleId :
ETF14

Tgt Ion: 43 Resp: 5131
Ion Ratio Lower Upper
43 100
58 29.5 40.2 60.2#
57 6.3 14.2 21.4#
100 5.0 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 6.162 ug/L
RT: 11.48 min Scan# 3230
Delta R.T. 0.99 min
Lab File: VU033062.D
Acq: 27 Jun 2019 13:25

Tgt Ion: 75 Resp: 11613
Ion Ratio Lower Upper
75 100
77 36.2 25.5 38.3

