

Data File : VU033015.D
Acq On : 24 Jun 2019 19:05
Operator : JC/SP
Sample : K3464-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF50

Quant Time: Jun 25 06:58:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 06:54:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	198061	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	192684	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93809	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	64677	47.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.56%
7) Chloroethane-d5	1.68	69	54529	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.02%
11) 1,1-Dichloroethene-d2	2.26	63	101190	37.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.22%
21) 2-Butanone-d5	4.17	46	127283	112.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.98%
24) Chloroform-d	4.64	84	133241	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.28%
26) 1,2-Dichloroethane-d4	5.30	65	92040	52.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.02%
32) Benzene-d6	5.33	84	257151	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.32	67	82303	51.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.88%
41) Toluene-d8	7.56	98	235007	49.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.92%
43) trans-1,3-Dichloropropene-	7.85	79	40496	48.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.30%
47) 2-Hexanone-d5	8.31	63	75820	101.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.48%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	119863	48.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	92151	50.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.52%

Target Compounds

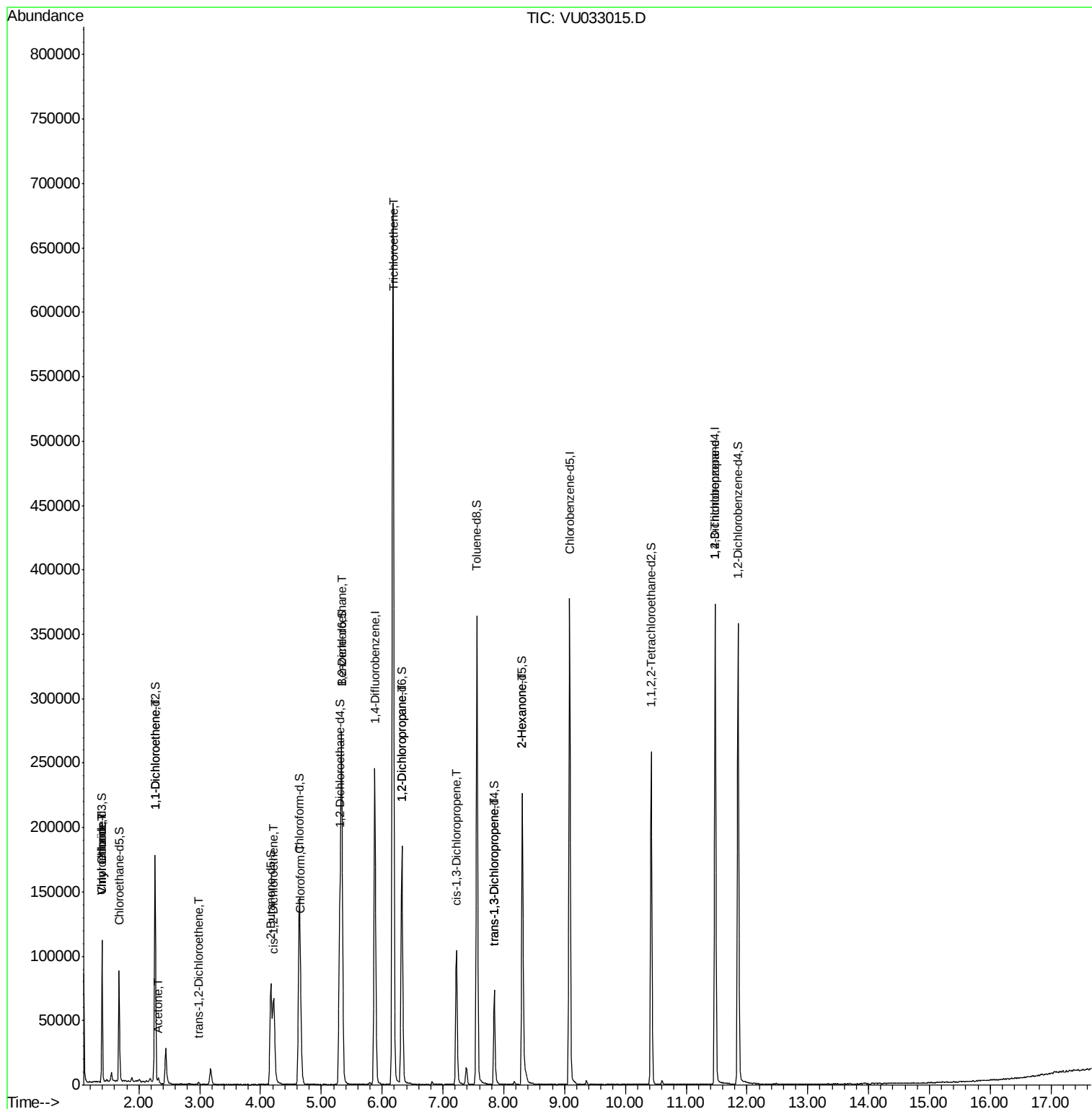
					Qvalue
5) Vinyl chloride	1.40	62	1645	0.915 ug/L #	16
8) Chloroethane	1.40	64	1545	1.492 ug/L #	1
12) 1,1-Dichloroethene	2.27	96	805	0.645 ug/L #	1
13) Acetone	2.32	43	3638	2.338 ug/L	90
17) trans-1,2-Dichloroethene	2.98	96	784	0.580 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	31572	21.427 ug/L	95
25) Chloroform	4.67	83	21531	8.097 ug/L	99
27) 1,2-Dichloroethane	5.33	62	1806	0.827 ug/L #	77
34) Trichloroethene	6.18	95	226575	152.774 ug/L	97
37) 1,2-Dichloropropane	6.32	63	10299	6.764 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	1445	0.609 ug/L #	74
44) trans-1,3-Dichloropropene	7.85	75	2157	0.968 ug/L	85
48) 2-Hexanone	8.31	43	10003	4.664 ug/L #	68
59) 1,2,3-Trichloropropane	11.48	75	11833	5.823 ug/L #	88

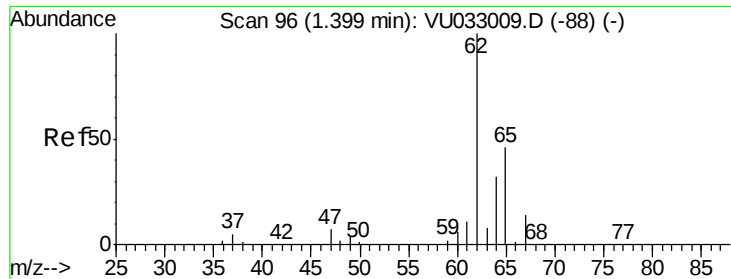
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.915 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033015.D

Acq: 24 Jun 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

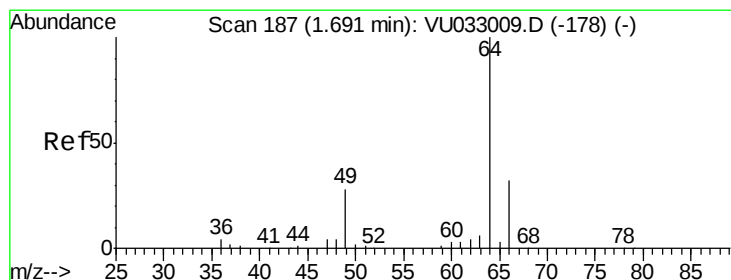
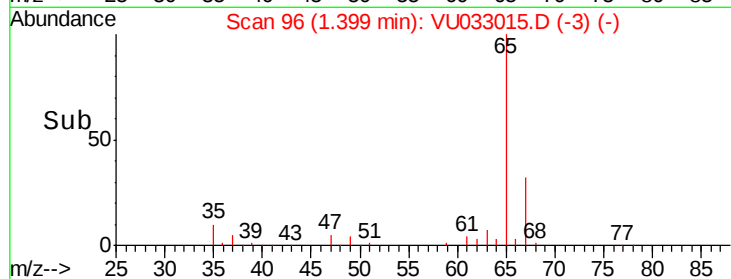
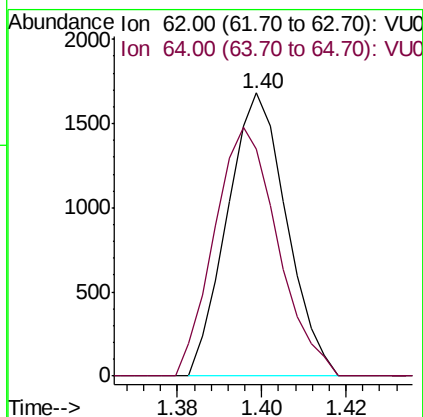
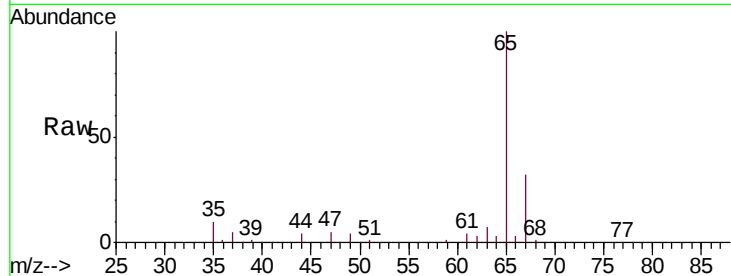
ETF50

Tgt Ion: 62 Resp: 1645

Ion Ratio Lower Upper

62 100

64 80.4 23.0 42.6#



#8

Chloroethane

Concen: 1.492 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU033015.D

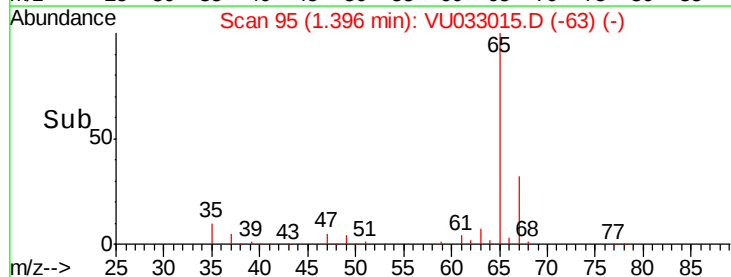
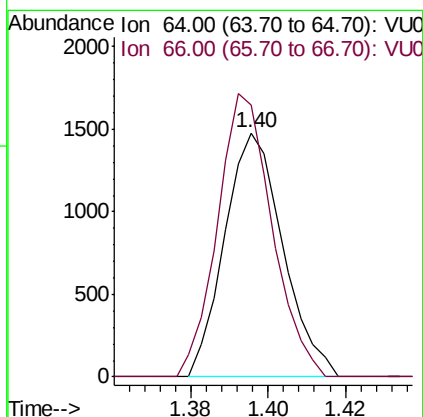
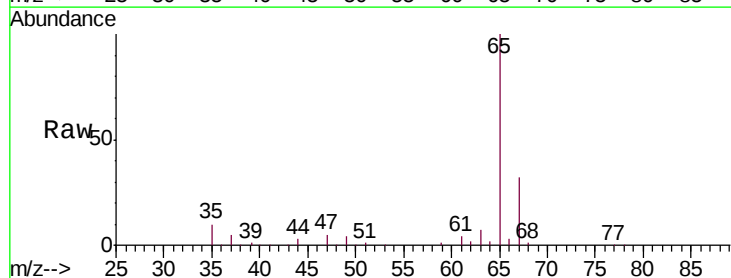
Acq: 24 Jun 2019 19:05

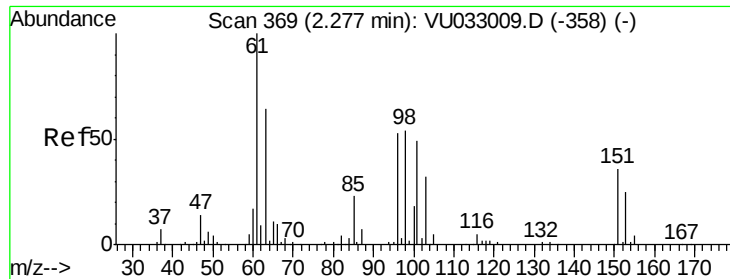
Tgt Ion: 64 Resp: 1545

Ion Ratio Lower Upper

64 100

66 111.5 22.5 41.7#





#12

1,1-Dichloroethene

Concen: 0.645 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033015.D

Acq: 24 Jun 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

ETF50

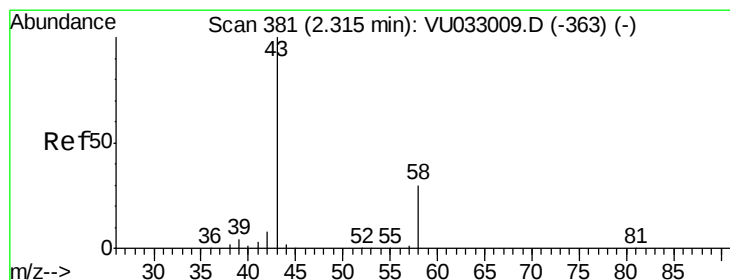
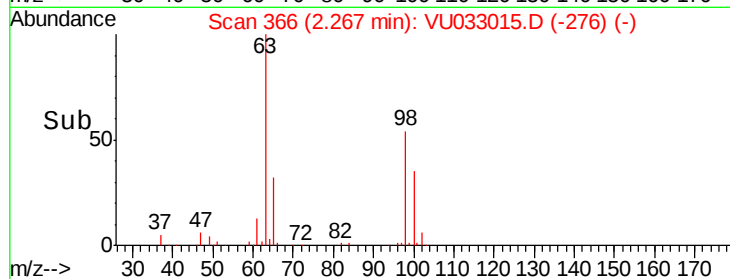
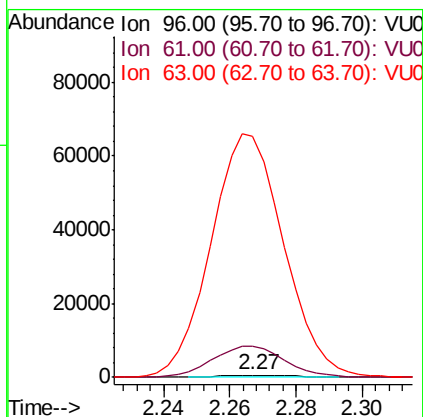
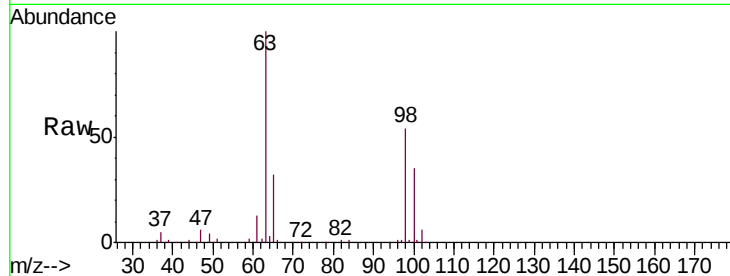
Tgt Ion: 96 Resp: 805

Ion Ratio Lower Upper

96 100

61 1704.4 131.0 243.4#

63 12917.2 101.0 187.6#



#13

Acetone

Concen: 2.338 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033015.D

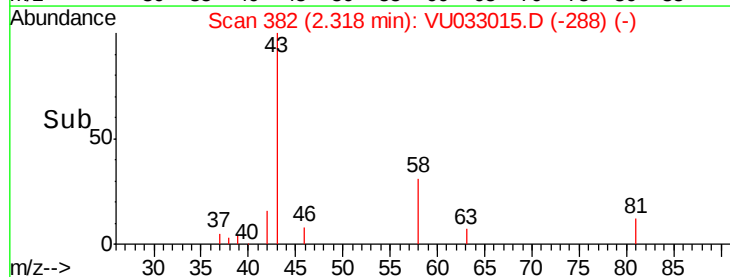
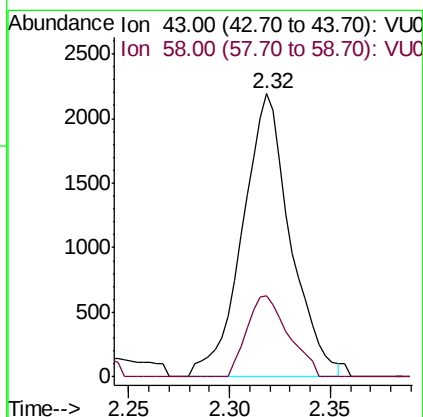
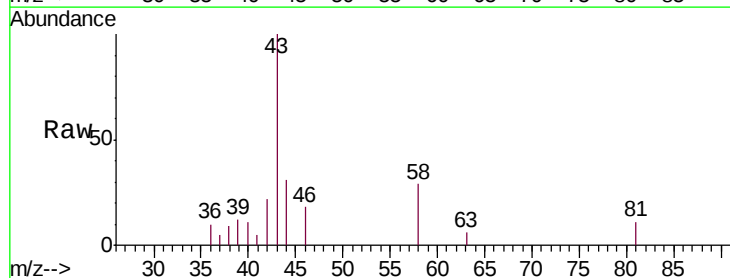
Acq: 24 Jun 2019 19:05

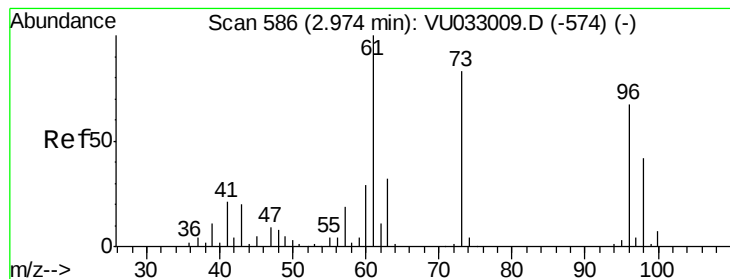
Tgt Ion: 43 Resp: 3638

Ion Ratio Lower Upper

43 100

58 24.9 0.0 60.6





#17

trans-1,2-Dichloroethene

Concen: 0.580 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU033015.D

Acq: 24 Jun 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

ETF50

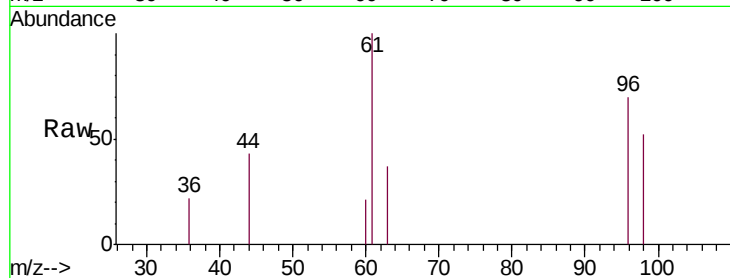
Tgt Ion: 96 Resp: 784

Ion Ratio Lower Upper

96 100

61 143.7 100.9 187.5

98 74.6 44.0 81.8



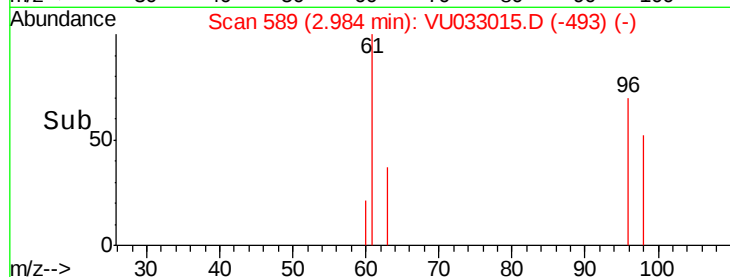
Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU033009.D (-574) (-)

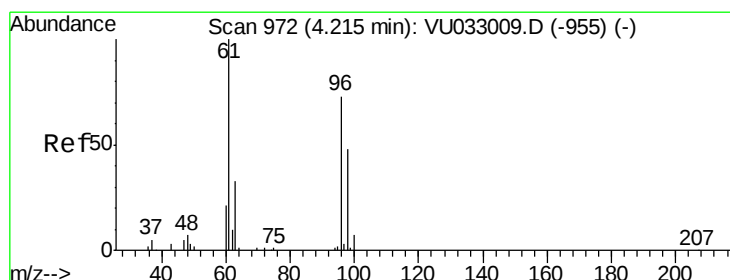
Ion 98.00 (97.70 to 98.70): VU033009.D (-574) (-)

2.98

Time-->



Time-->



#20

cis-1,2-Dichloroethene

Concen: 21.427 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033015.D

Acq: 24 Jun 2019 19:05

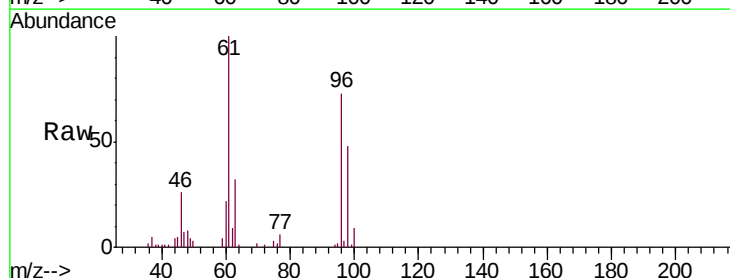
Tgt Ion: 96 Resp: 31572

Ion Ratio Lower Upper

96 100

61 137.3 92.4 171.6

68 0.0 0.0 0.0



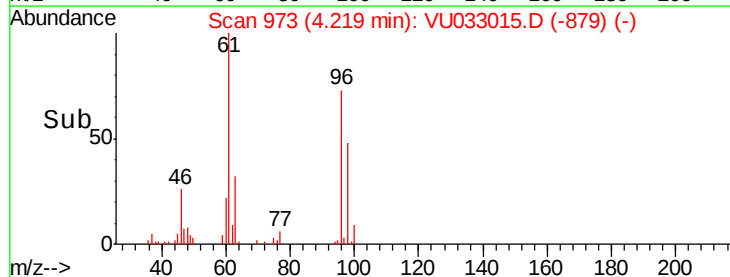
Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU033009.D (-955) (-)

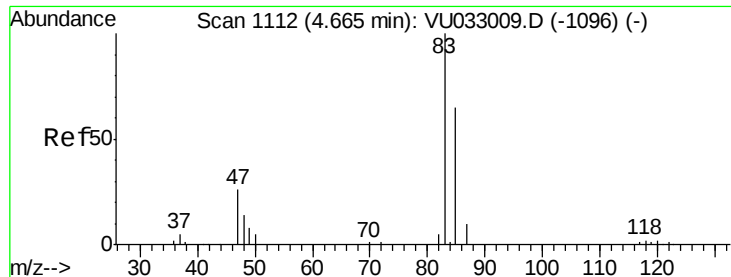
Ion 68.00 (67.70 to 68.70): VU033009.D (-955) (-)

4.22

Time-->



Time-->



#25

Chloroform

Concen: 8.097 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU033015.D

Acq: 24 Jun 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

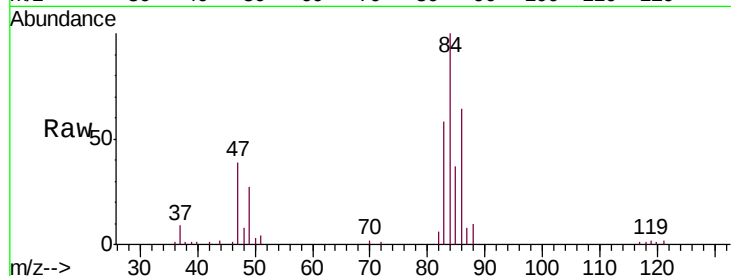
ETF50

Tgt Ion: 83 Resp: 21531

Ion Ratio Lower Upper

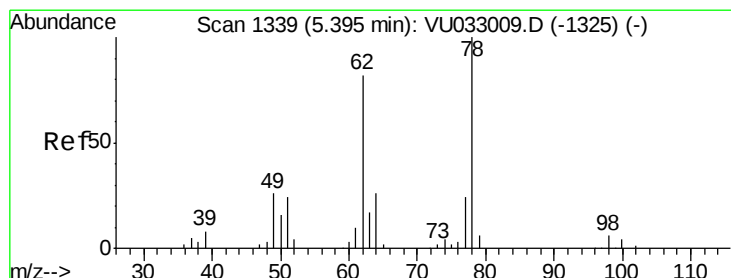
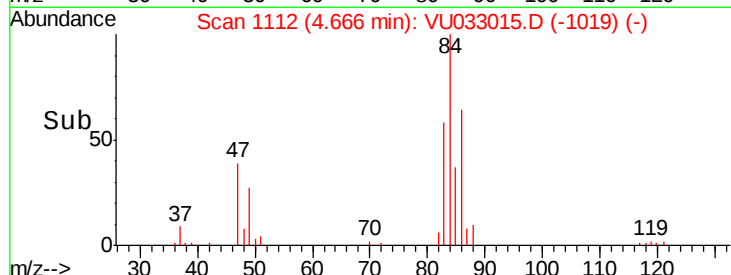
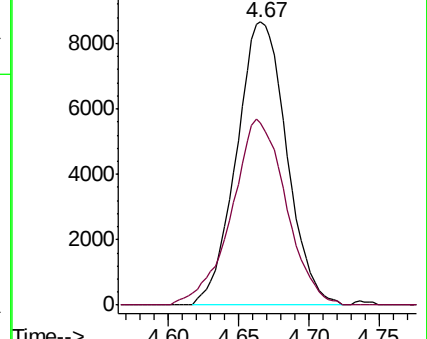
83 100

85 64.3 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VU033009.D (-1096) (-)

Ion 85.00 (84.70 to 85.70): VU033009.D (-1096) (-)



#27

1,2-Dichloroethane

Concen: 0.827 ug/L

RT: 5.33 min Scan# 1319

Delta R.T. -0.06 min

Lab File: VU033015.D

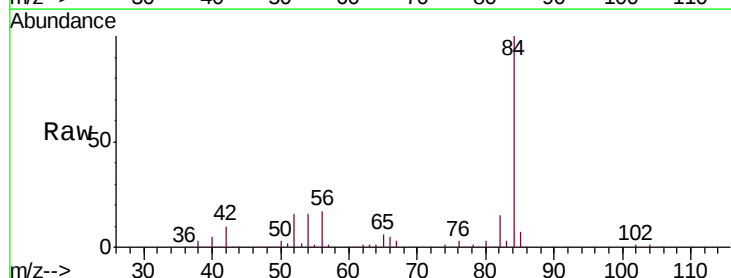
Acq: 24 Jun 2019 19:05

Tgt Ion: 62 Resp: 1806

Ion Ratio Lower Upper

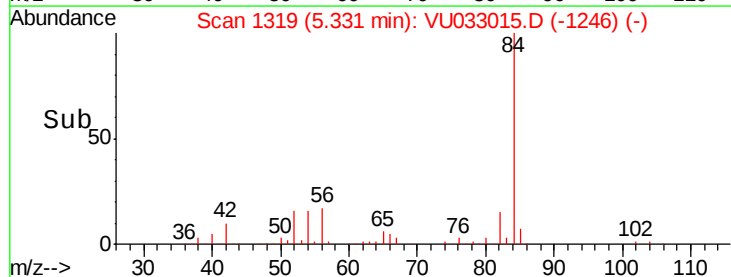
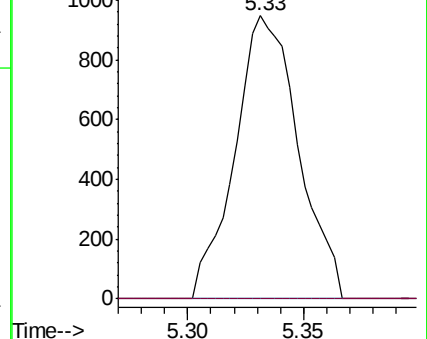
62 100

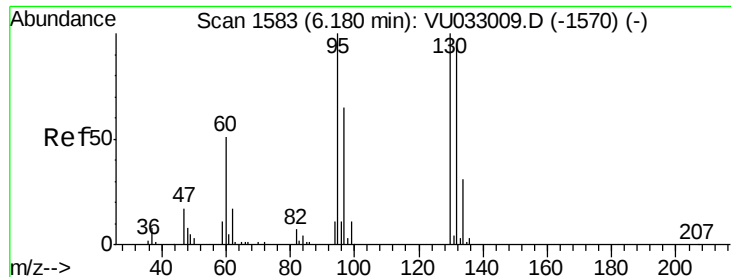
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU033009.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU033009.D (-1325) (-)

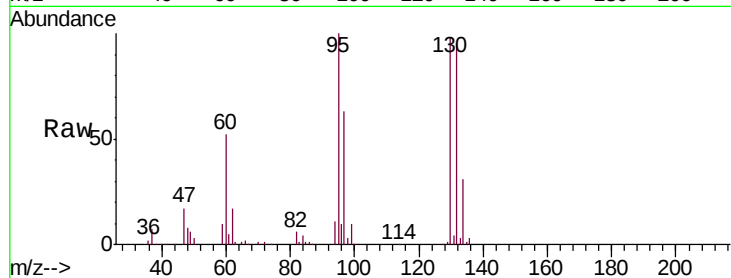




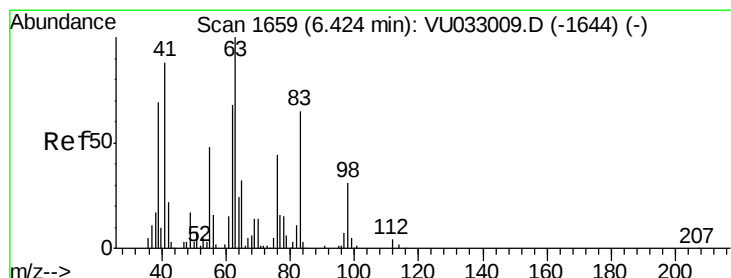
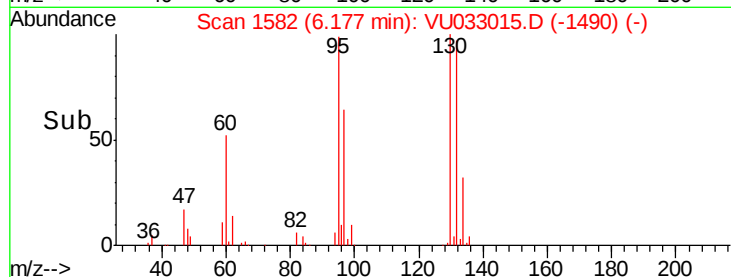
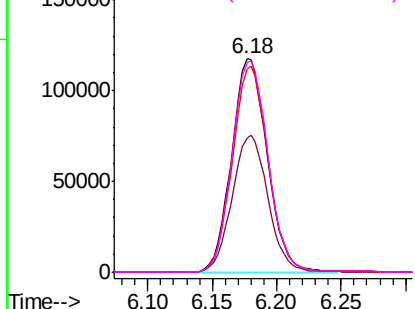
#34
 Trichloroethene
 Concen: 152.774 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU033015.D
 Acq: 24 Jun 2019 19:05

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF50

Tgt Ion:	95	Resp:	226575
Ion	Ratio	Lower	Upper
95	100		
97	63.2	45.9	85.3
132	95.3	68.5	127.3
130	98.0	70.8	131.4

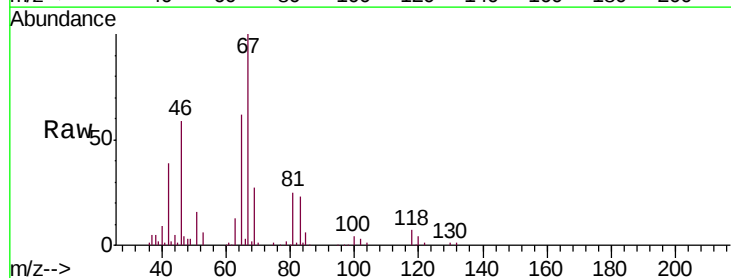


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

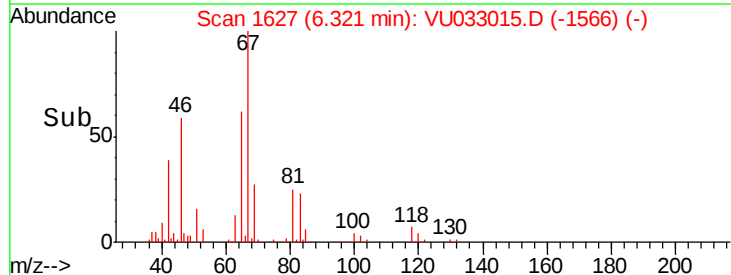
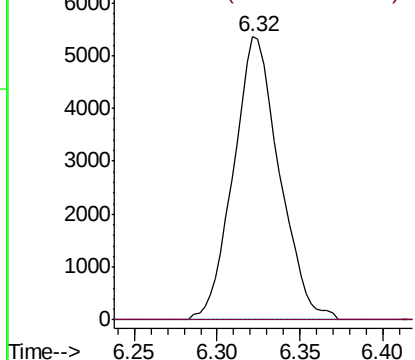


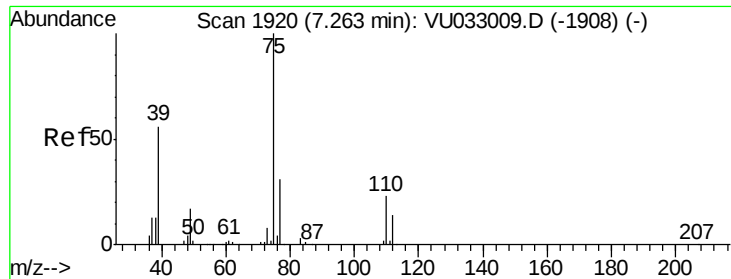
#37
 1,2-Dichloropropane
 Concen: 6.764 ug/L
 RT: 6.32 min Scan# 1627
 Delta R.T. -0.10 min
 Lab File: VU033015.D
 Acq: 24 Jun 2019 19:05

Tgt Ion:	63	Resp:	10299
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





#39

cis-1,3-Dichloropropene

Concen: 0.609 ug/L

RT: 7.22 min Scan# 1905

Delta R.T. -0.05 min

Lab File: VU033015.D

Acq: 24 Jun 2019 19:05

Instrument :

MSVOA_U

ClientSampled :

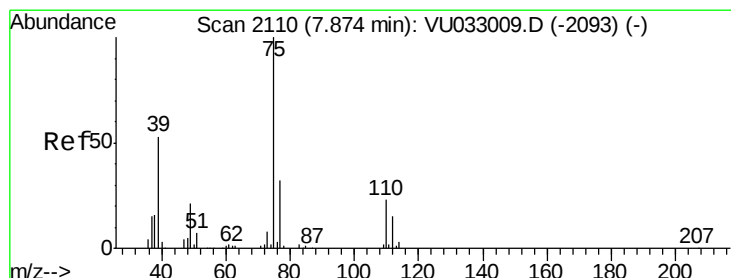
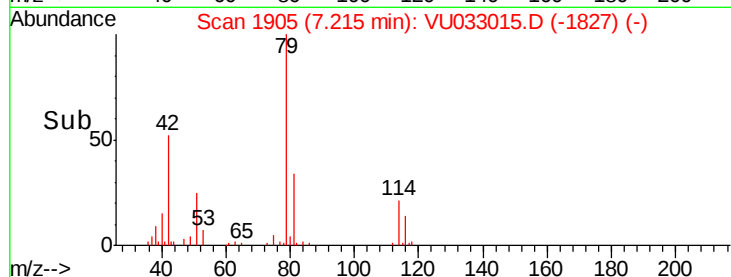
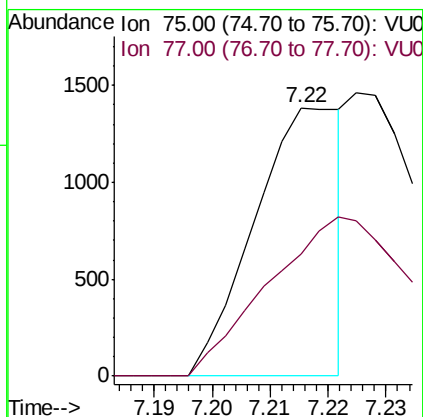
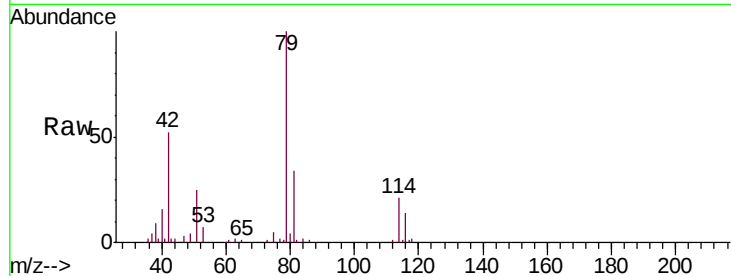
ETF50

Tgt Ion: 75 Resp: 1445

Ion Ratio Lower Upper

75 100

77 45.7 21.9 40.7#



#44

trans-1,3-Dichloropropene

Concen: 0.968 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU033015.D

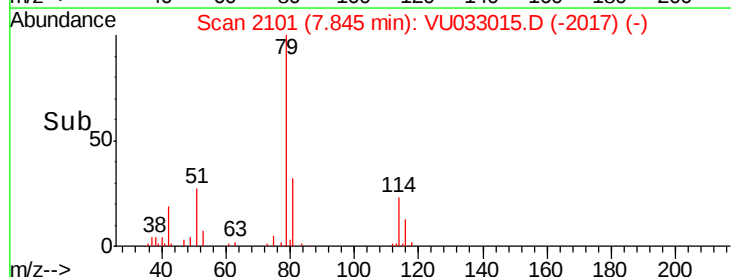
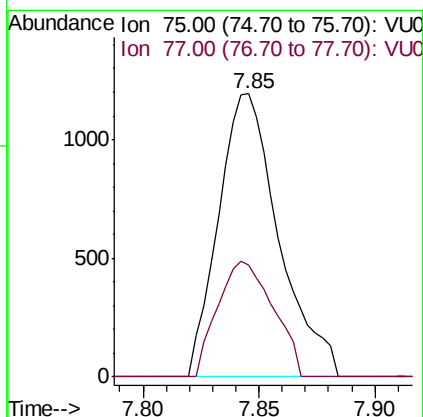
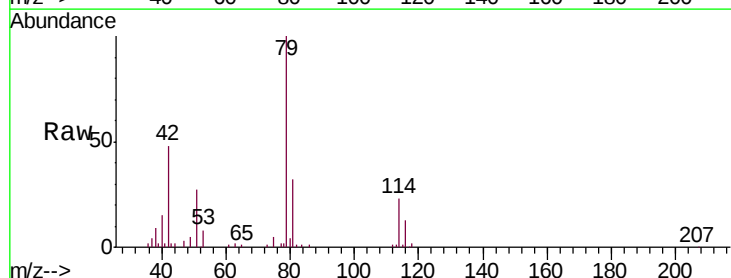
Acq: 24 Jun 2019 19:05

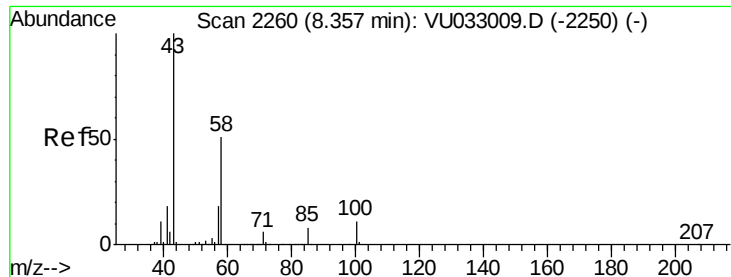
Tgt Ion: 75 Resp: 2157

Ion Ratio Lower Upper

75 100

77 39.5 21.8 40.4

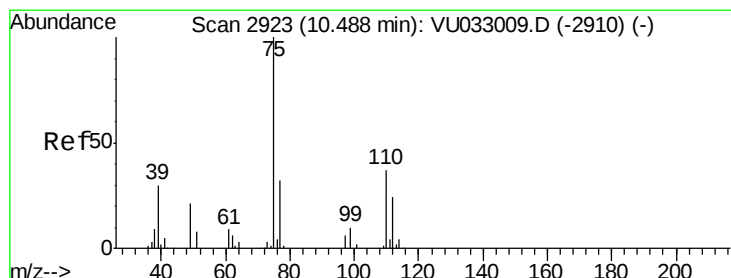
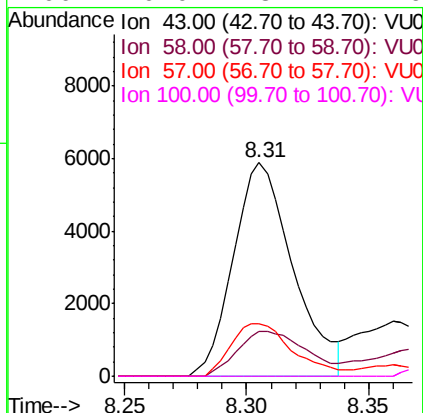
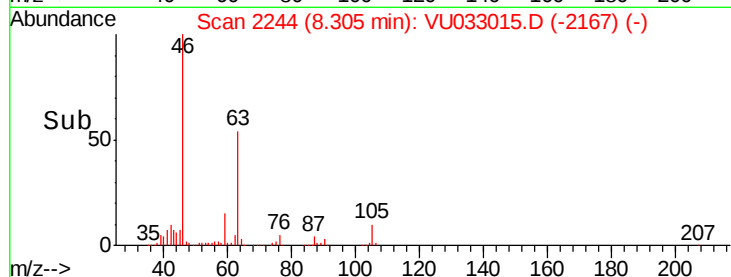
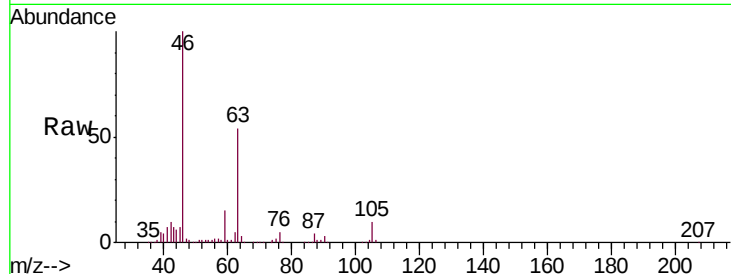




#48
2-Hexanone
Concen: 4.664 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.05 min
Lab File: VU033015.D
Acq: 24 Jun 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
ETF50

Tgt Ion: 43 Resp: 10003
Ion Ratio Lower Upper
43 100
58 24.3 40.2 60.2#
57 25.7 14.2 21.4#
100 0.0 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 5.823 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033015.D
Acq: 24 Jun 2019 19:05

Tgt Ion: 75 Resp: 11833
Ion Ratio Lower Upper
75 100
77 38.8 25.5 38.3#

