

Data File : VU032967.D
Acq On : 22 Jun 2019 00:04
Operator : JC/SP
Sample : K3464-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF52

Quant Time: Jun 22 02:01:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 01:56:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	193453	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	188606	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88853	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52035	39.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.72%
7) Chloroethane-d5	1.68	69	45370	43.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.06%
11) 1,1-Dichloroethene-d2	2.26	63	83089	31.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.40%
21) 2-Butanone-d5	4.17	46	123751	112.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.46%
24) Chloroform-d	4.64	84	121521	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.56%
26) 1,2-Dichloroethane-d4	5.30	65	86072	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.56%
32) Benzene-d6	5.33	84	229418	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
36) 1,2-Dichloropropane-d6	6.32	67	76514	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.70%
41) Toluene-d8	7.56	98	205644	44.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.32%
43) trans-1,3-Dichloropropene-	7.85	79	35632	43.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.48%
47) 2-Hexanone-d5	8.31	63	72825	99.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.58%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116893	48.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	82921	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%

Target Compounds

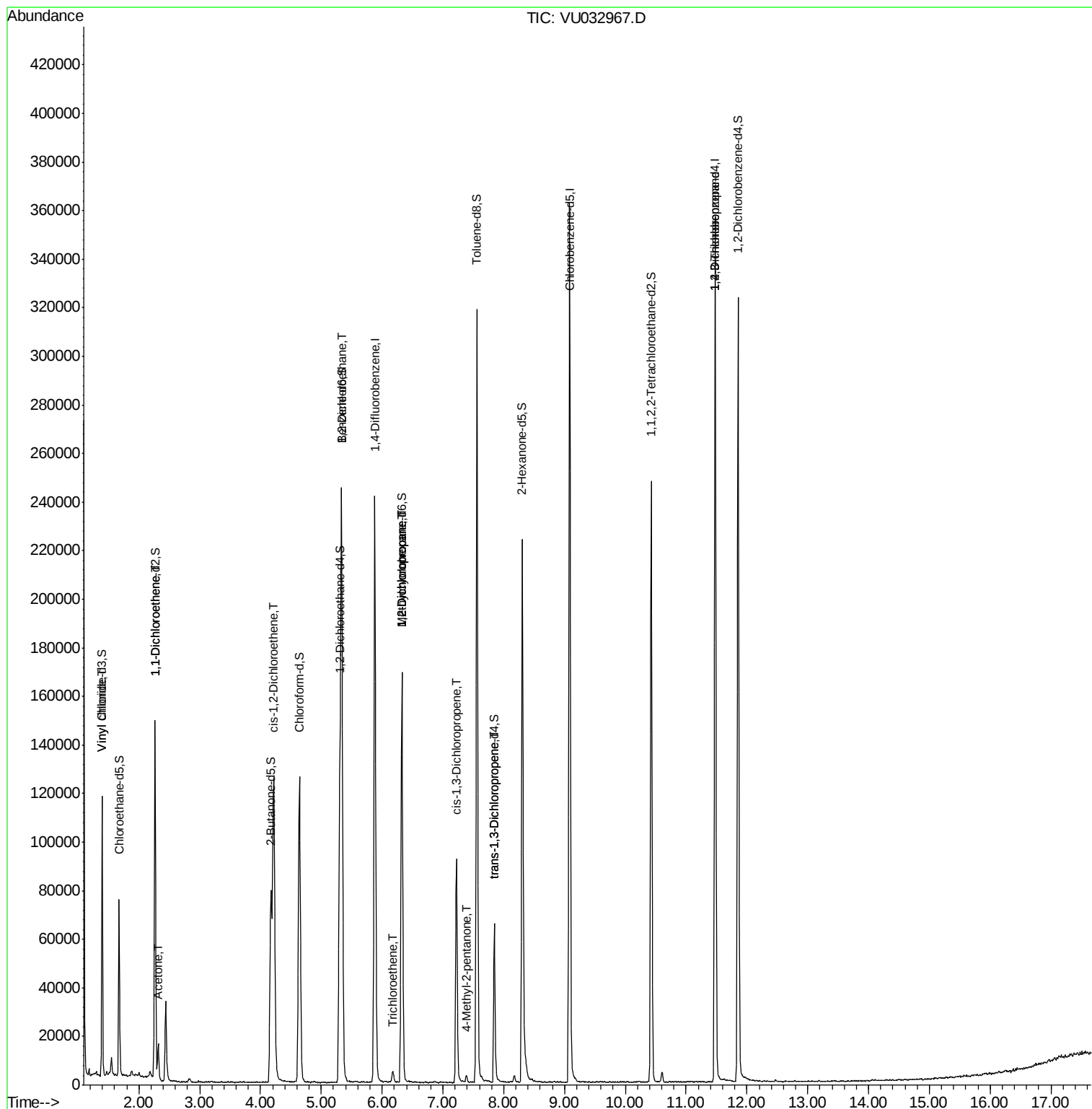
					Qvalue
5) Vinyl chloride	1.40	62	21940	12.489 ug/L	95
12) 1,1-Dichloroethene	2.27	96	806	0.662 ug/L #	1
13) Acetone	2.32	43	15031	9.889 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	62478	43.413 ug/L	96
27) 1,2-Dichloroethane	5.34	62	1442	0.676 ug/L #	77
34) Trichloroethene	6.18	95	718	0.495 ug/L	88
35) Methylcyclohexane	6.32	83	17507	7.802 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9681	6.496 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2489	1.072 ug/L #	63
40) 4-Methyl-2-pentanone	7.38	43	1306	0.549 ug/L #	46
44) trans-1,3-Dichloropropene	7.84	75	1861	0.853 ug/L	85
59) 1,2,3-Trichloropropane	11.48	75	11577	5.821 ug/L #	88

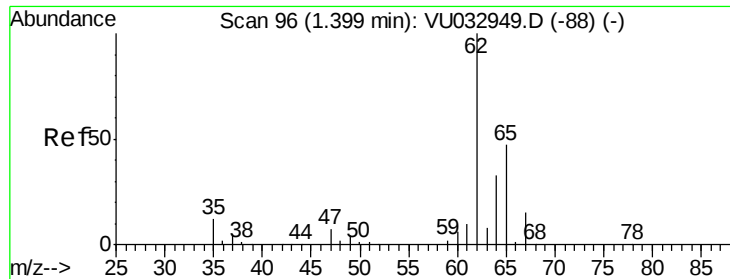
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 22 01:56:09 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 12.489 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032967.D

Acq: 22 Jun 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

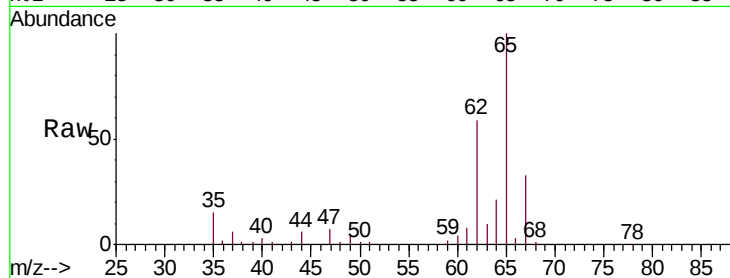
ETF52

Tgt Ion: 62 Resp: 21940

Ion Ratio Lower Upper

62 100

64 35.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU032949.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032949.D (-88) (-)

25000

20000

15000

10000

5000

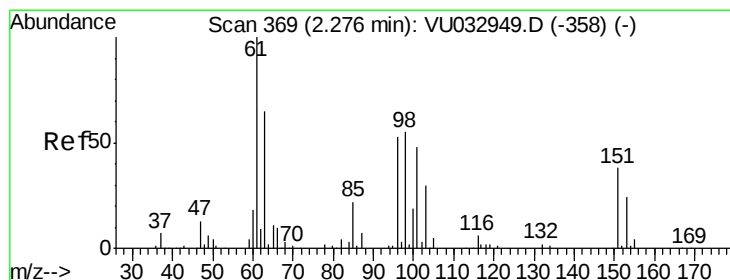
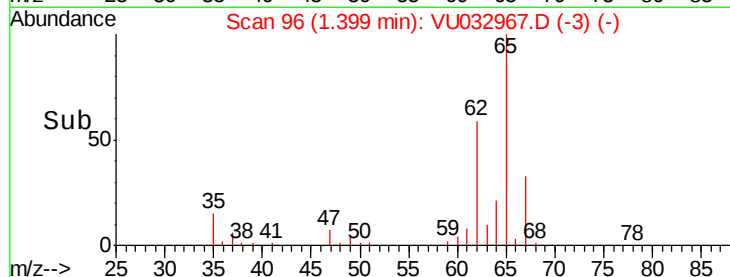
0

1.35

1.40

1.45

Time-->



#12

1,1-Dichloroethene

Concen: 0.662 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032967.D

Acq: 22 Jun 2019 00:04

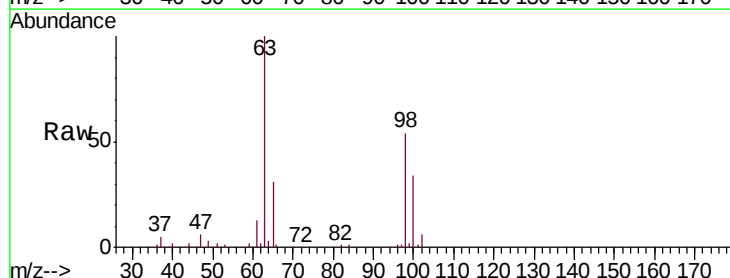
Tgt Ion: 96 Resp: 806

Ion Ratio Lower Upper

96 100

61 1279.0 131.0 243.4#

63 9650.2 101.0 187.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032949.D (-358) (-)

Ion 61.00 (60.70 to 61.70): VU032949.D (-358) (-)

Ion 63.00 (62.70 to 63.70): VU032949.D (-358) (-)

60000

40000

20000

0

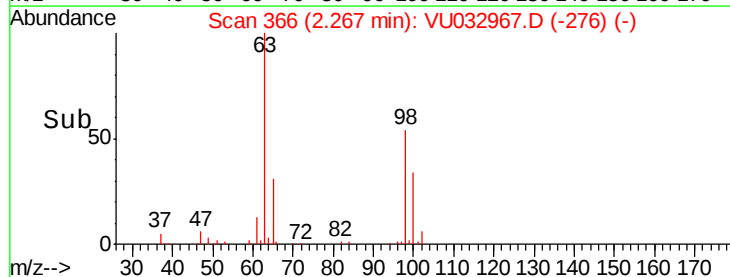
2.24

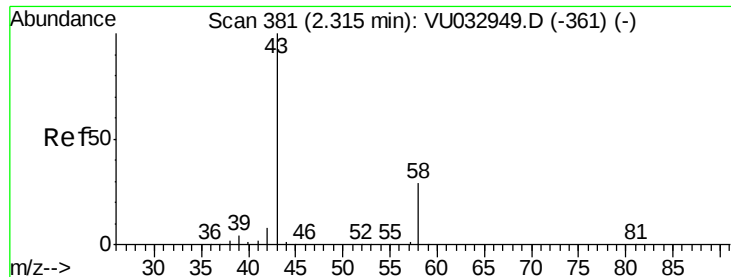
2.26

2.28

2.30

Time-->





#13

Acetone

Concen: 9.889 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032967.D

Acq: 22 Jun 2019 00:04

Instrument :

MSVOA_U

ClientSampled :

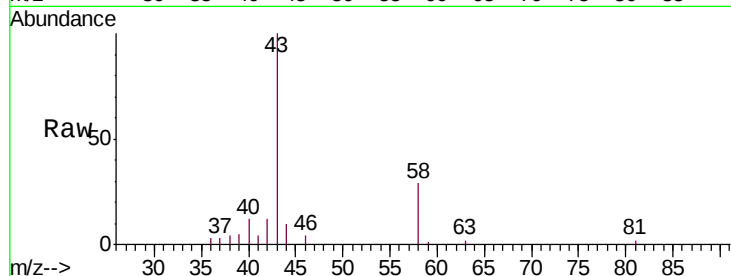
ETF52

Tgt Ion: 43 Resp: 15031

Ion Ratio Lower Upper

43 100

58 27.5 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032949.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU032949.D (-361) (-)

2.32

10000

8000

6000

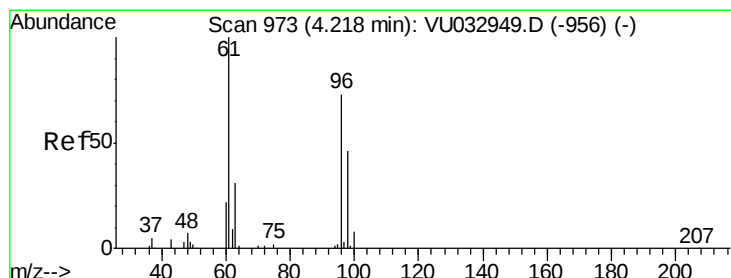
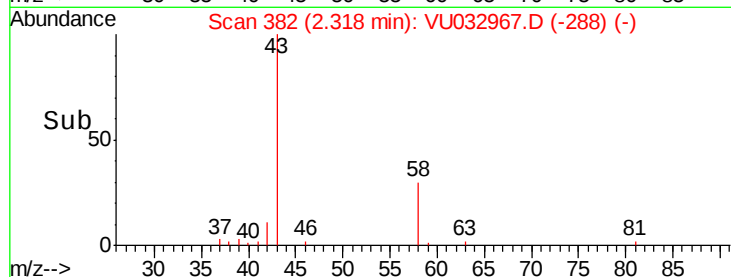
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#20

cis-1,2-Dichloroethene

Concen: 43.413 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032967.D

Acq: 22 Jun 2019 00:04

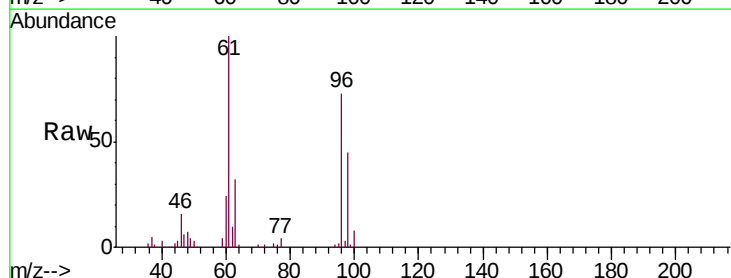
Tgt Ion: 96 Resp: 62478

Ion Ratio Lower Upper

96 100

61 136.5 92.4 171.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032949.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032949.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032949.D (-956) (-)

4.22

40000

30000

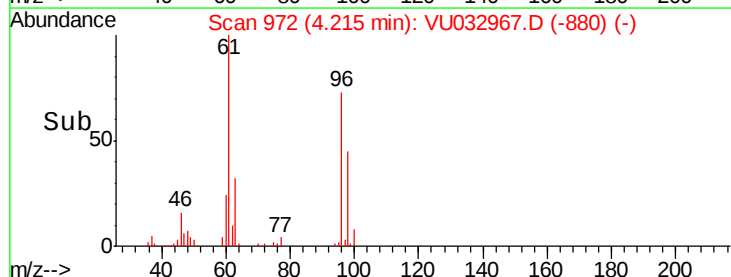
20000

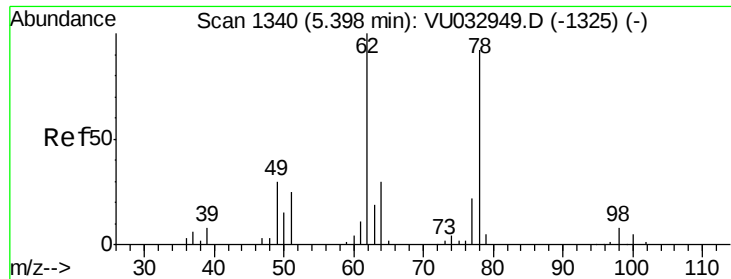
10000

0

Time-->

4.10 4.20 4.30





#27

1,2-Dichloroethane

Concen: 0.676 ug/L

RT: 5.34 min Scan# 1321

Delta R.T. -0.06 min

Lab File: VU032967.D

Acq: 22 Jun 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

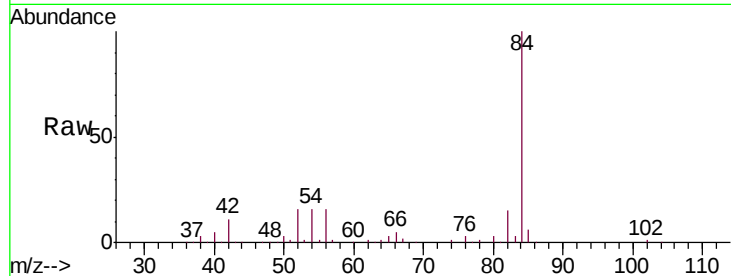
ETF52

Tgt Ion: 62 Resp: 1442

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032949.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032949.D (-1325) (-)

5.34

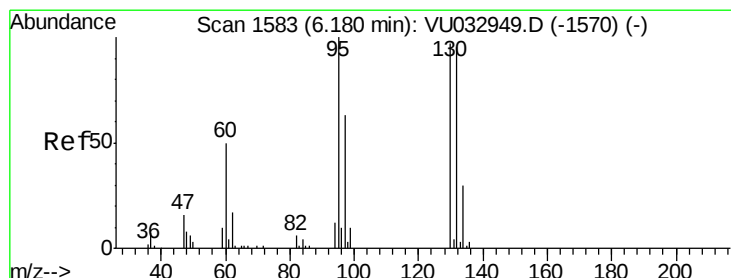
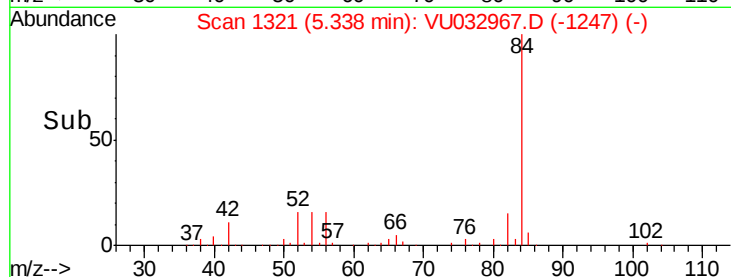
600

400

200

0

Time-->



#34

Trichloroethene

Concen: 0.495 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032967.D

Acq: 22 Jun 2019 00:04

Tgt Ion: 95 Resp: 718

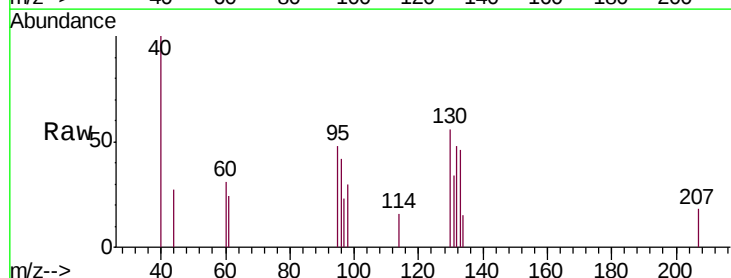
Ion Ratio Lower Upper

95 100

97 47.5 45.9 85.3

132 100.0 68.5 127.3

130 115.0 70.8 131.4



Abundance Ion 95.00 (94.70 to 95.70): VU032949.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032949.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032949.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032949.D (-1570) (-)

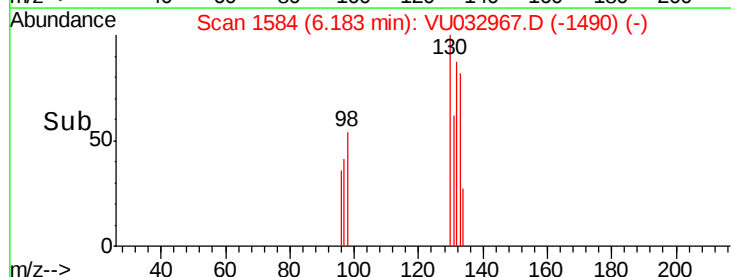
600

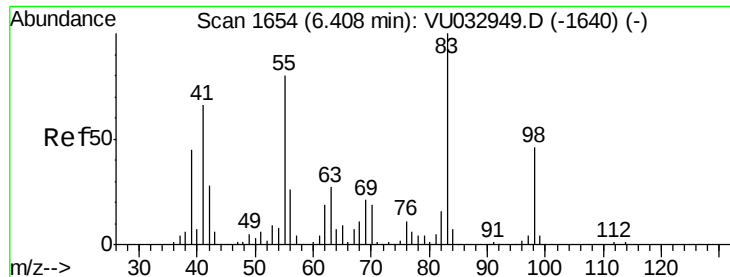
400

200

0

Time-->





#35

Methylcyclohexane

Concen: 7.802 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.09 min

Lab File: VU032967.D

Acq: 22 Jun 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

ETF52

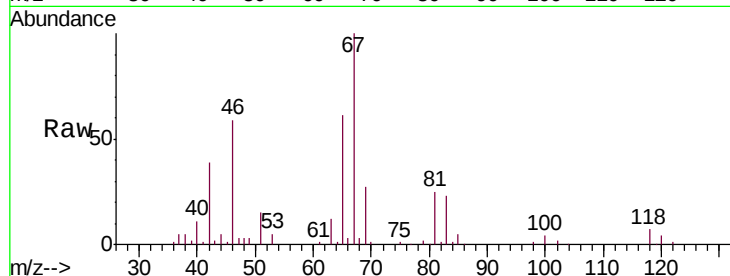
Tgt Ion: 83 Resp: 17507

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

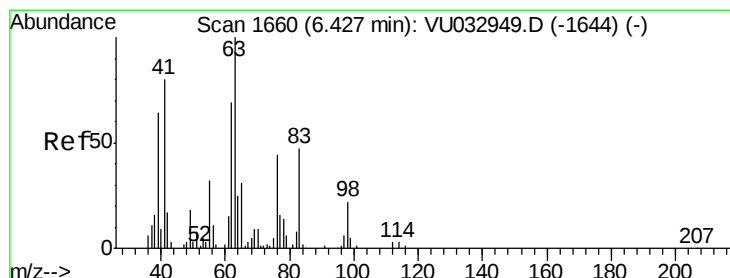
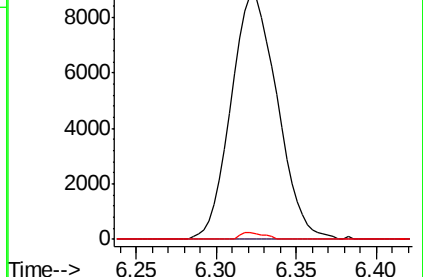
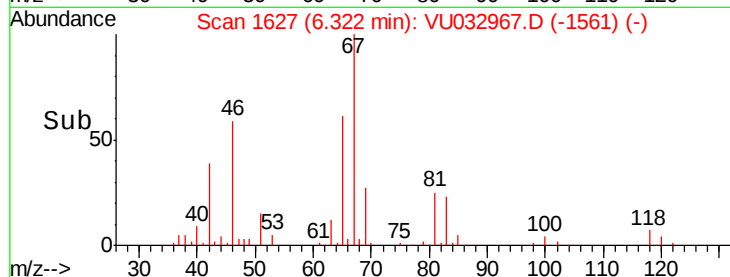
98 1.4 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VU032967.D (-1561) (-)

Ion 55.00 (54.70 to 55.70): VU032967.D (-1561) (-)

Ion 98.00 (97.70 to 98.70): VU032967.D (-1561) (-)



#37

1,2-Dichloropropane

Concen: 6.496 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032967.D

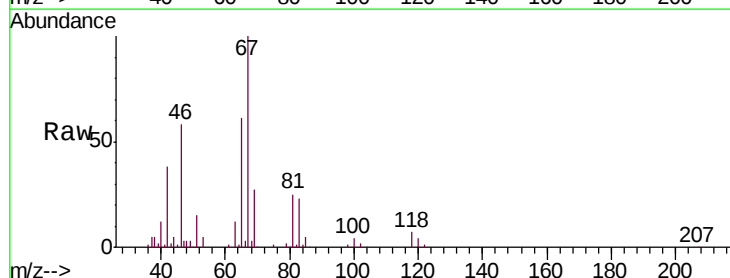
Acq: 22 Jun 2019 00:04

Tgt Ion: 63 Resp: 9681

Ion Ratio Lower Upper

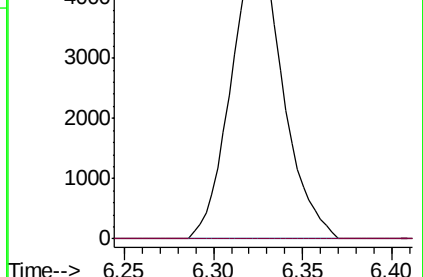
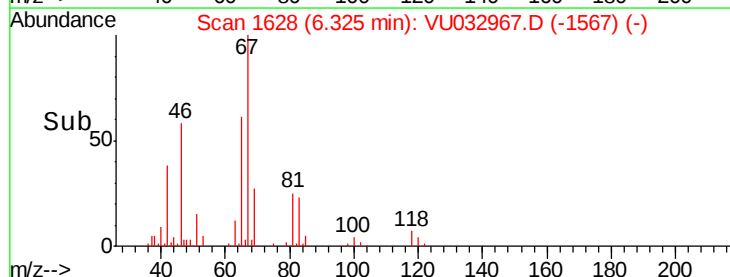
63 100

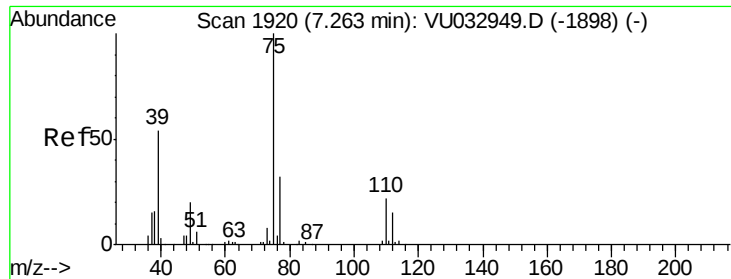
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU032967.D (-1567) (-)

Ion 112.00 (111.70 to 112.70): VU032967.D (-1567) (-)

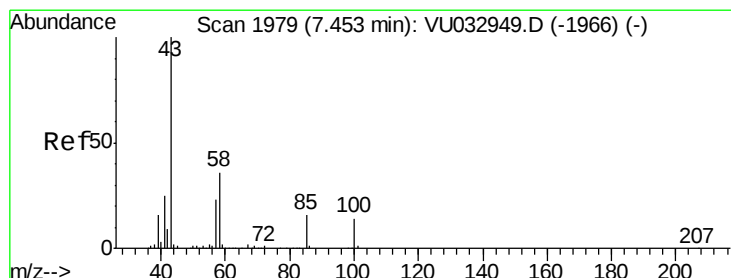
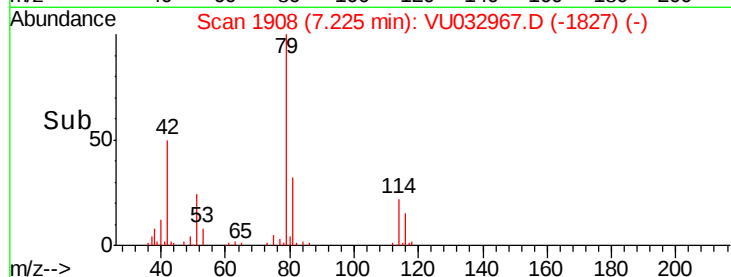
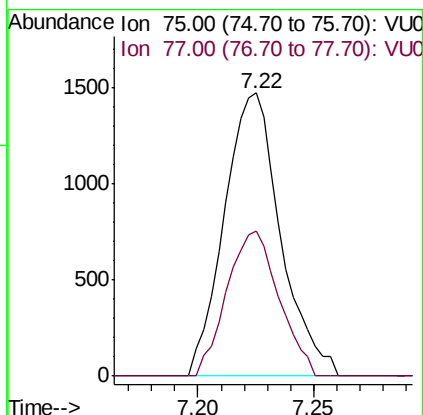
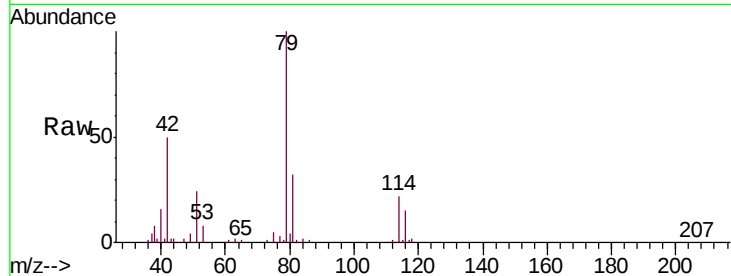




#39
 cis-1,3-Dichloropropene
 Concen: 1.072 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032967.D
 Acq: 22 Jun 2019 00:04

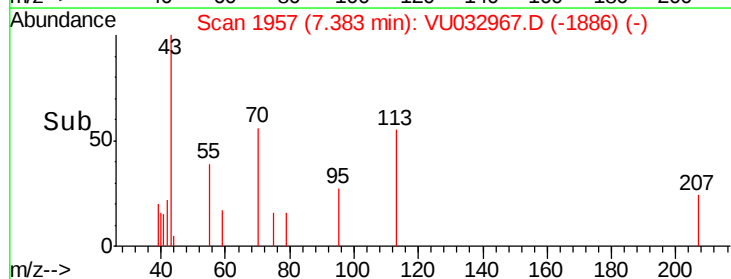
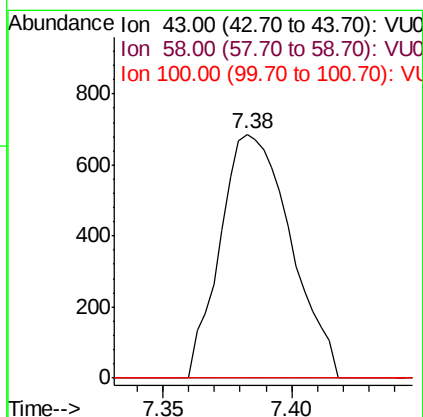
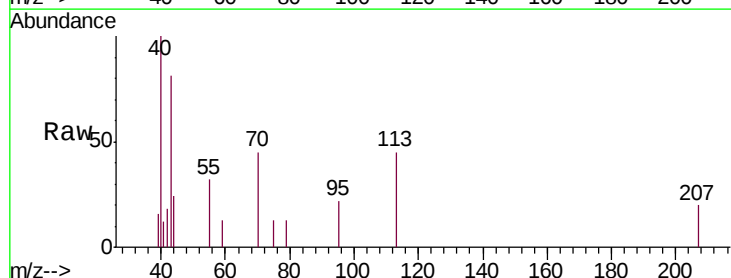
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF52

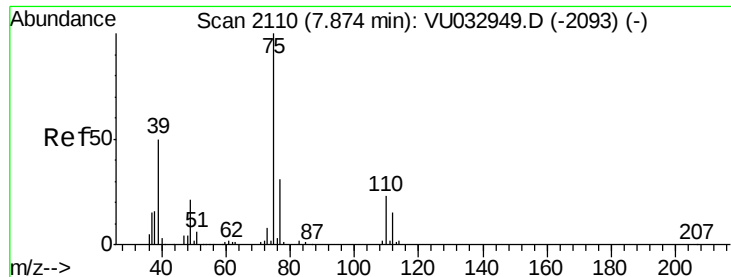
Tgt Ion: 75 Resp: 2489
 Ion Ratio Lower Upper
 75 100
 77 51.5 21.9 40.7#



#40
 4-Methyl-2-pentanone
 Concen: 0.549 ug/L
 RT: 7.38 min Scan# 1957
 Delta R.T. -0.07 min
 Lab File: VU032967.D
 Acq: 22 Jun 2019 00:04

Tgt Ion: 43 Resp: 1306
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.4 44.2#
 100 0.0 11.2 16.8#





#44

trans-1,3-Dichloropropene

Concen: 0.853 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032967.D

Acq: 22 Jun 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

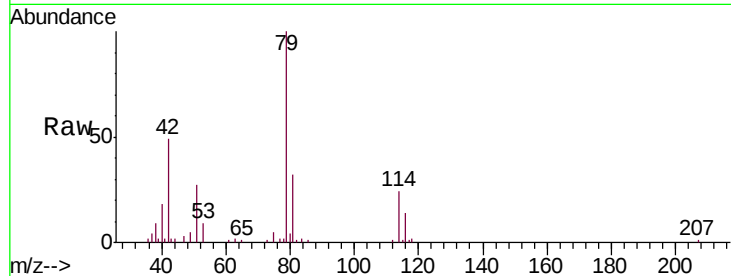
ETF52

Tgt Ion: 75 Resp: 1861

Ion Ratio Lower Upper

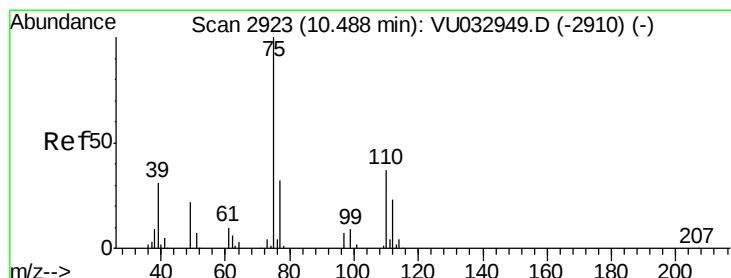
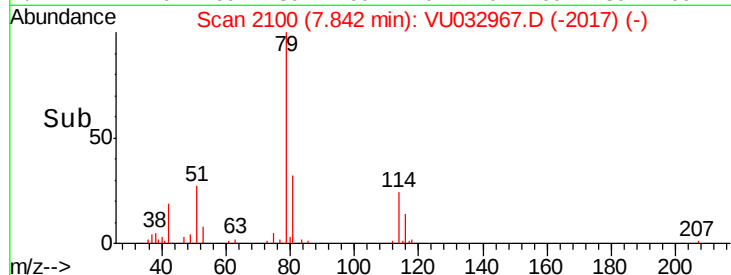
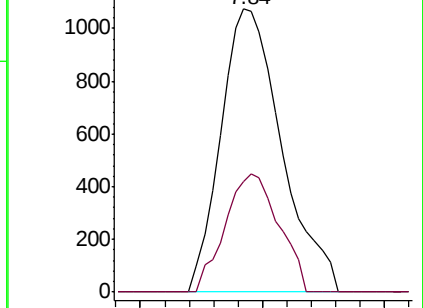
75 100

77 39.2 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU032949.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032949.D (-2093) (-)



#59

1,2,3-Trichloropropane

Concen: 5.821 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032967.D

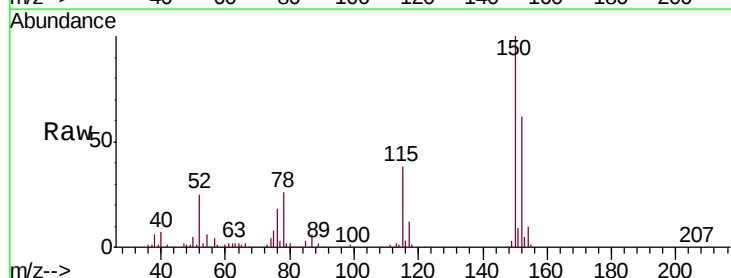
Acq: 22 Jun 2019 00:04

Tgt Ion: 75 Resp: 11577

Ion Ratio Lower Upper

75 100

77 38.8 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU032949.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU032949.D (-2910) (-)

