

Data File : VU032958.D
Acq On : 21 Jun 2019 20:38
Operator : JC/SP
Sample : K3463-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF18

Quant Time: Jun 22 01:59:59 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	190763	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	185175	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88098	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	46016	35.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.60%
7) Chloroethane-d5	1.68	69	42306	40.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.38%
11) 1,1-Dichloroethene-d2	2.27	63	73284	27.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.80%#
21) 2-Butanone-d5	4.17	46	116162	107.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.05%
24) Chloroform-d	4.64	84	113861	44.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.86%
26) 1,2-Dichloroethane-d4	5.30	65	80646	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
32) Benzene-d6	5.33	84	209707	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.88%
36) 1,2-Dichloropropane-d6	6.32	67	72519	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.32%
41) Toluene-d8	7.56	98	184129	40.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.46%
43) trans-1,3-Dichloropropene-	7.85	79	33107	41.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.78%
47) 2-Hexanone-d5	8.31	63	68332	95.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.17%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	112979	47.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	79051	46.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.74%

Target Compounds

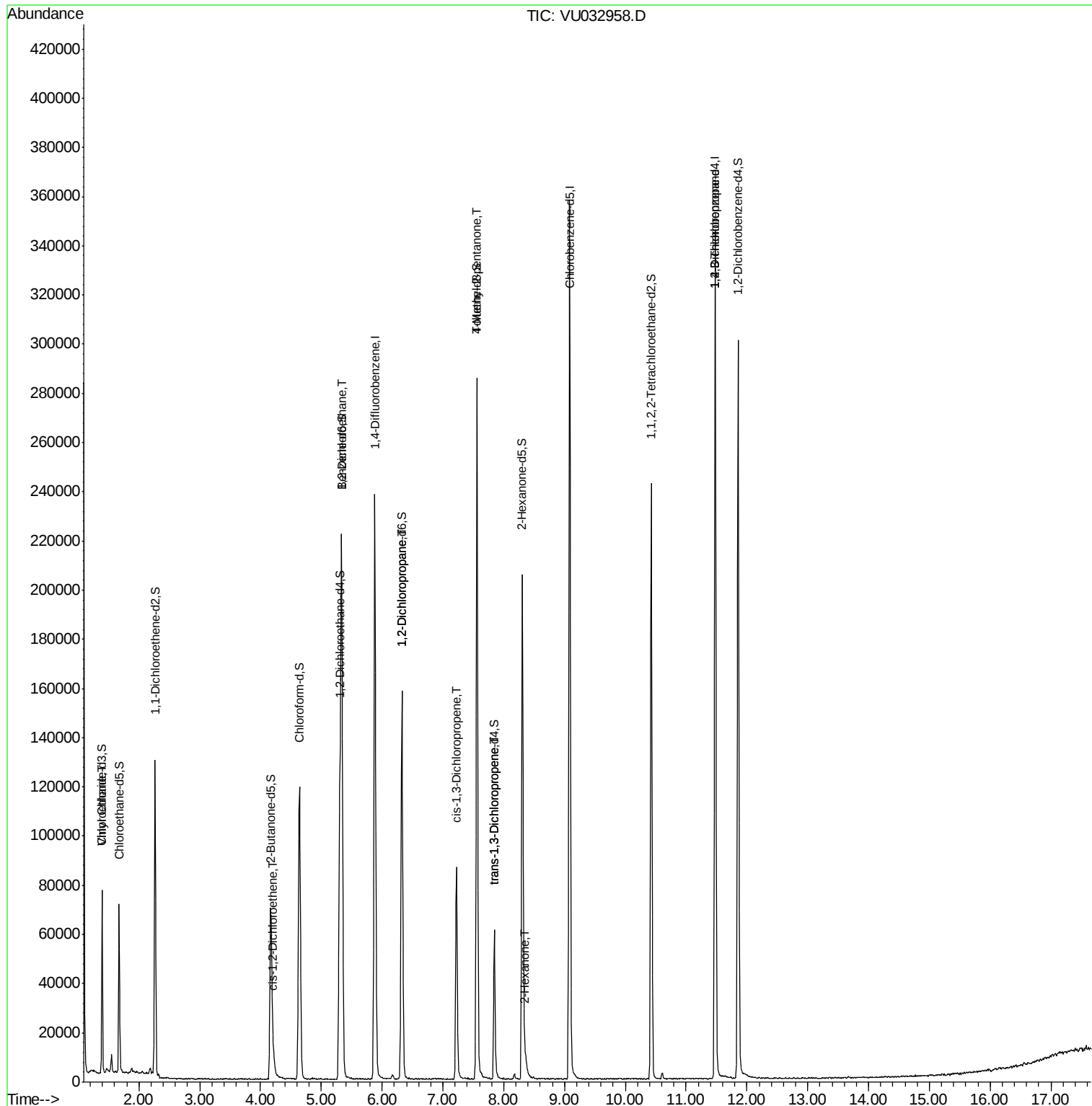
					Qvalue	
8) Chloroethane	1.40	64	802	0.804	ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	752	0.530	ug/L	99
27) 1,2-Dichloroethane	5.33	62	1450	0.689	ug/L #	77
37) 1,2-Dichloropropane	6.32	63	8983	6.139	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2320	1.018	ug/L #	61
40) 4-Methyl-2-pentanone	7.56	43	1155	0.494	ug/L #	1
44) trans-1,3-Dichloropropene	7.84	75	1799	0.840	ug/L	99
48) 2-Hexanone	8.36	43	3126	1.517	ug/L #	86
59) 1,2,3-Trichloropropane	11.48	75	11380	5.828	ug/L #	88

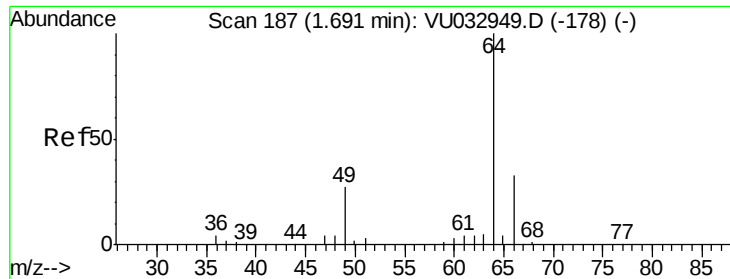
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.804 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032958.D

Acq: 21 Jun 2019 20:38

Instrument :

MSVOA_U

ClientSampled :

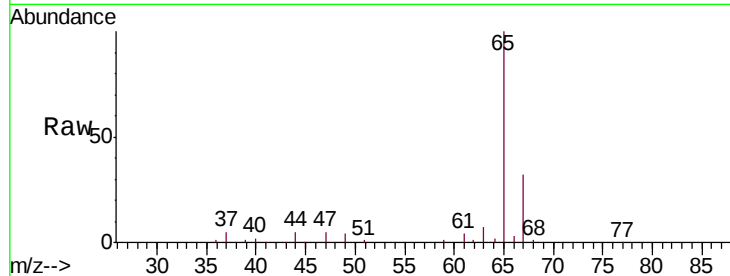
ETF18

Tgt Ion: 64 Resp: 802

Ion Ratio Lower Upper

64 100

66 158.3 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU032949.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032949.D (-178) (-)

1.40

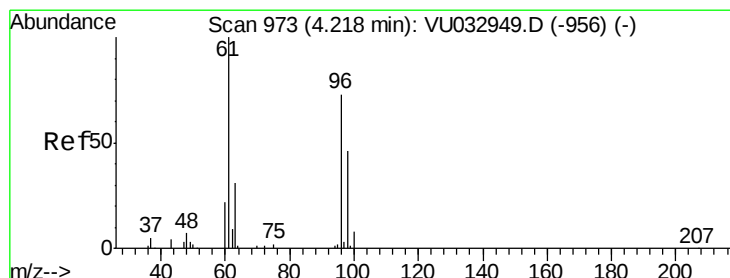
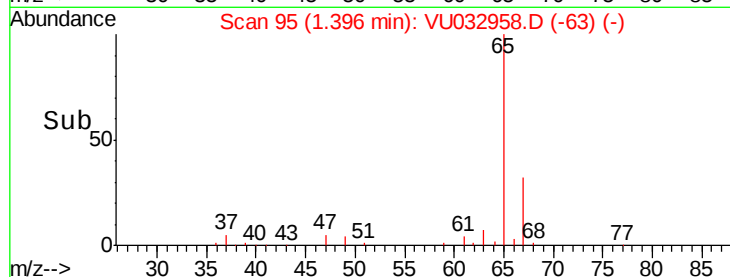
1000

500

0

1.38 1.40 1.42

Time-->



#20

cis-1,2-Dichloroethene

Concen: 0.530 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032958.D

Acq: 21 Jun 2019 20:38

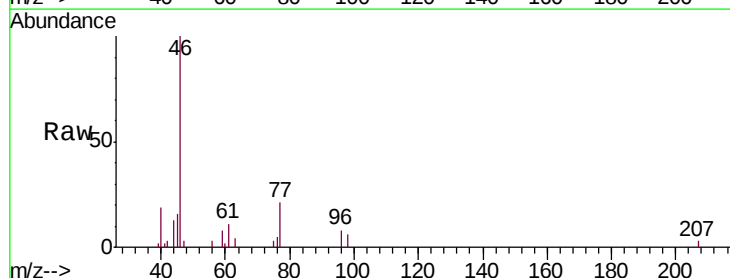
Tgt Ion: 96 Resp: 752

Ion Ratio Lower Upper

96 100

61 133.3 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) (-)

1000

800

600

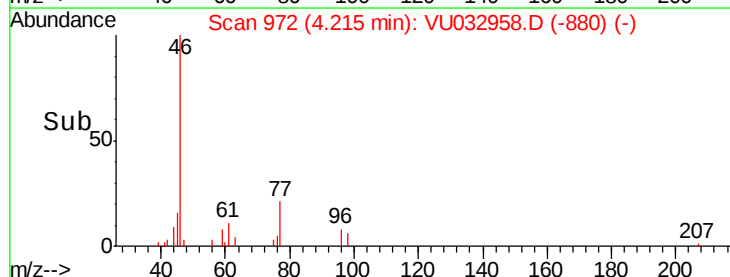
400

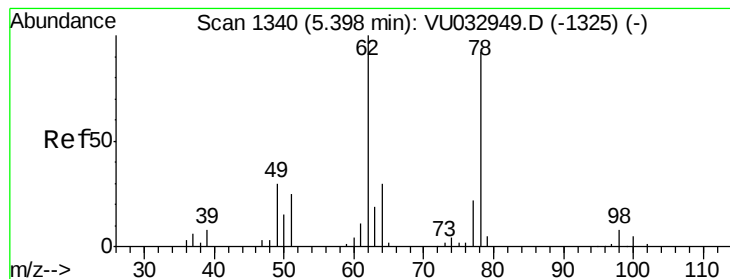
200

0

4.18 4.20 4.22 4.24

Time-->





#27

1,2-Dichloroethane

Concen: 0.689 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032958.D

Acq: 21 Jun 2019 20:38

Instrument :

MSVOA_U

ClientSampled :

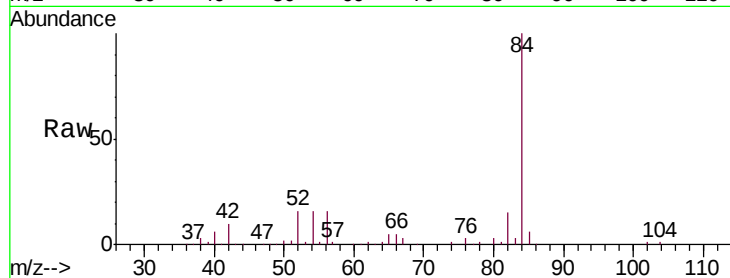
ETF18

Tgt Ion: 62 Resp: 1450

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) (-)

5.33

800

600

400

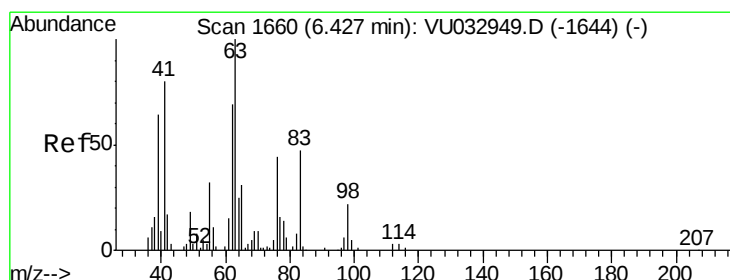
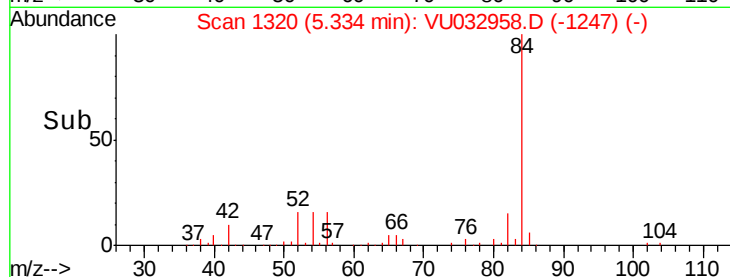
200

0

5.30

5.35

Time-->



#37

1,2-Dichloropropane

Concen: 6.139 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.11 min

Lab File: VU032958.D

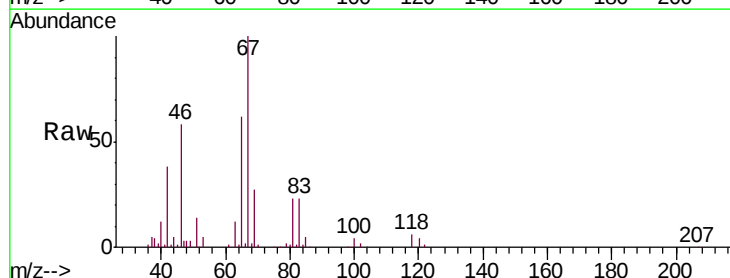
Acq: 21 Jun 2019 20:38

Tgt Ion: 63 Resp: 8983

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU032949.D (-1644) (-)

Ion 112.00 (111.70 to 112.70): VU032949.D (-1644) (-)

6.32

5000

4000

3000

2000

1000

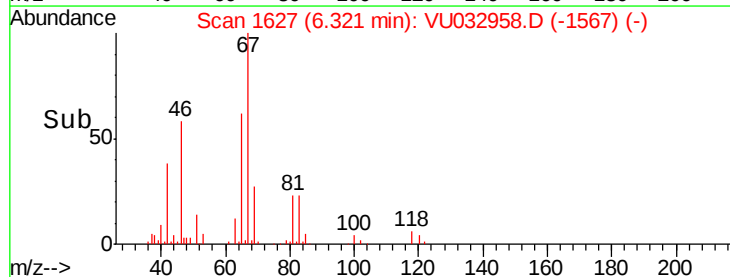
0

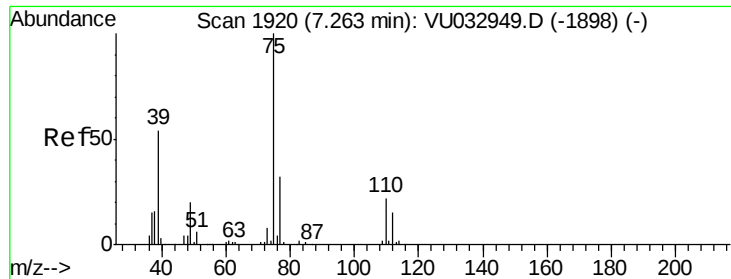
6.25

6.30

6.35

Time-->



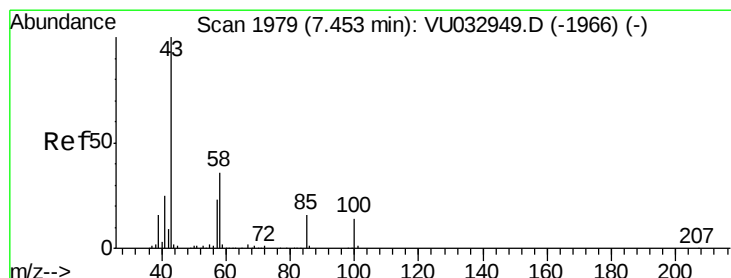
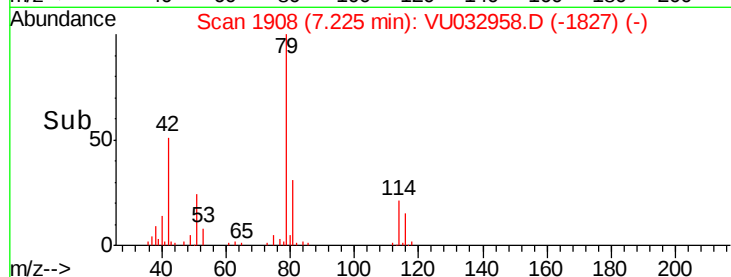
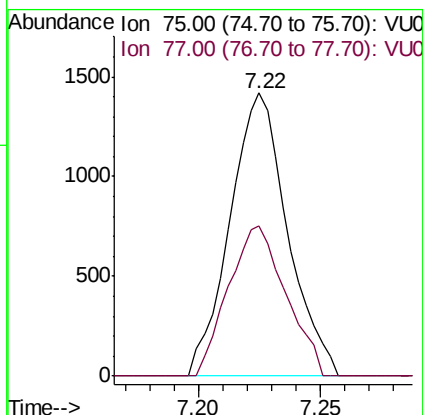
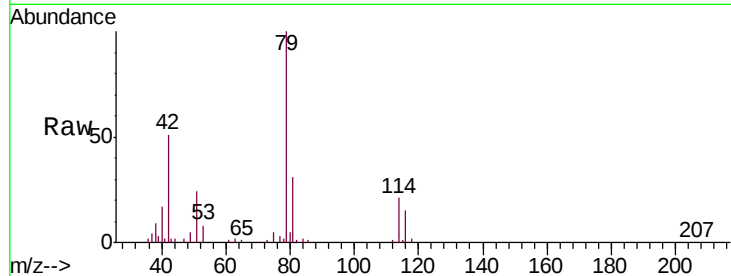


#39

cis-1,3-Dichloropropene
Concen: 1.018 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU032958.D
Acq: 21 Jun 2019 20:38

Instrument :
MSVOA_U
ClientSampleId :
ETF18

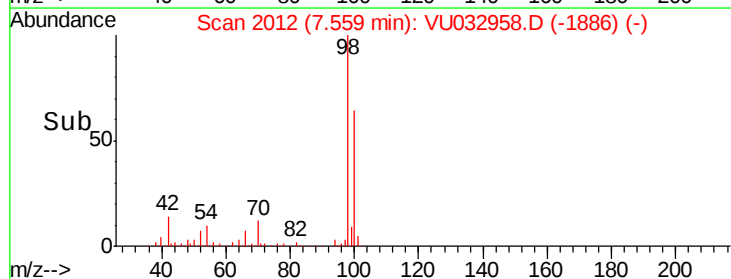
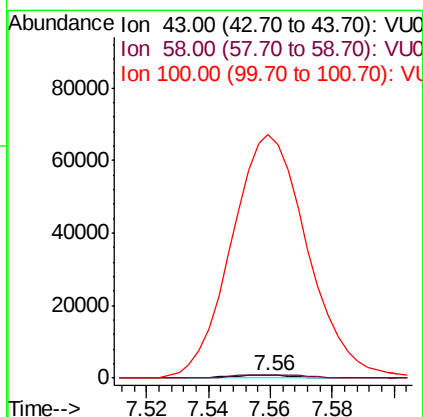
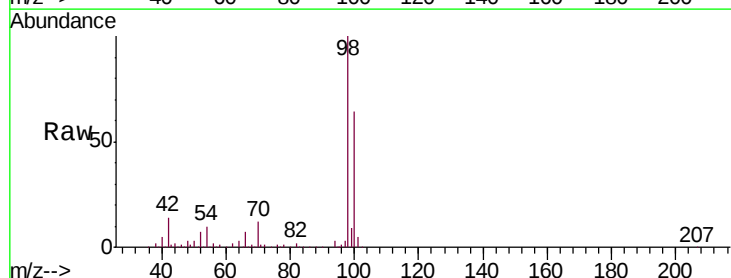
Tgt Ion: 75 Resp: 2320
Ion Ratio Lower Upper
75 100
77 53.1 21.9 40.7#

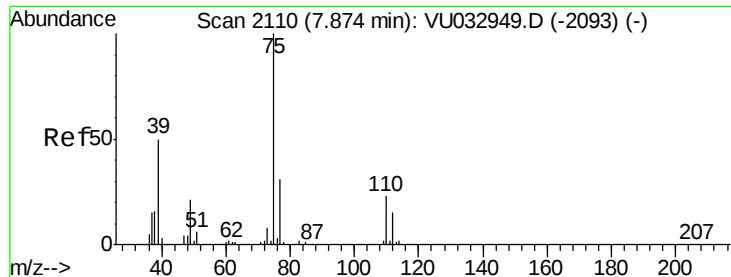


#40

4-Methyl-2-pentanone
Concen: 0.494 ug/L
RT: 7.56 min Scan# 2012
Delta R.T. 0.11 min
Lab File: VU032958.D
Acq: 21 Jun 2019 20:38

Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
58 133.2 29.4 44.2#
100 10090.4 11.2 16.8#





#44

trans-1,3-Dichloropropene

Concen: 0.840 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032958.D

Acq: 21 Jun 2019 20:38

Instrument :

MSVOA_U

ClientSampleId :

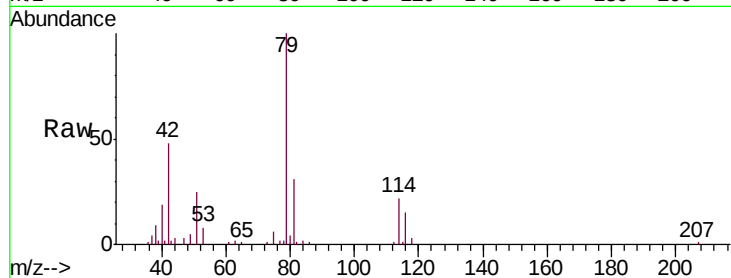
ETF18

Tgt Ion: 75 Resp: 1799

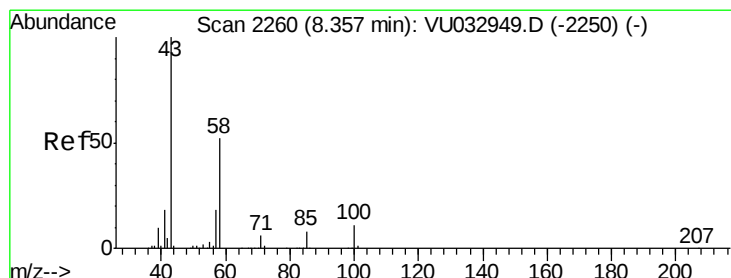
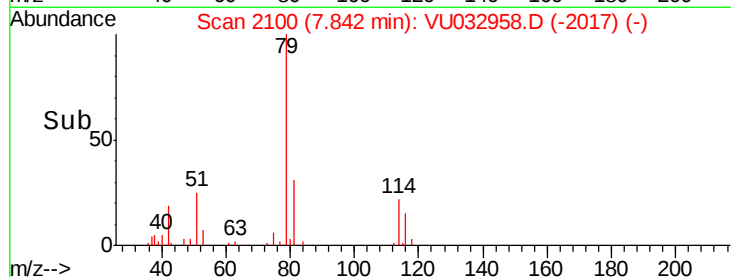
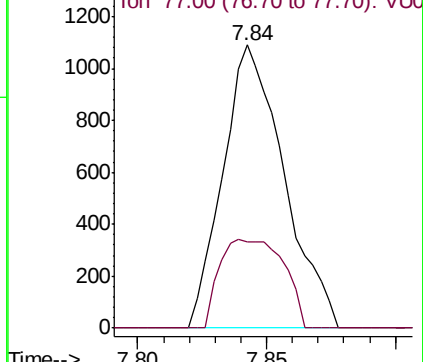
Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.4



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



#48

2-Hexanone

Concen: 1.517 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU032958.D

Acq: 21 Jun 2019 20:38

Tgt Ion: 43 Resp: 3126

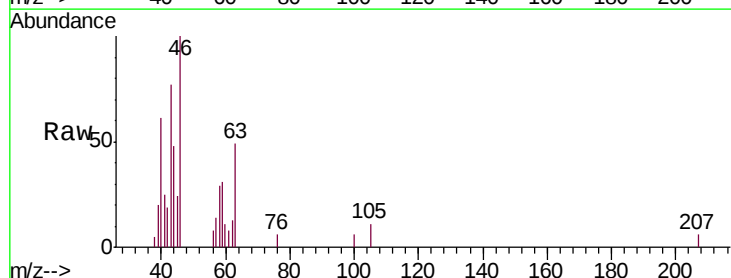
Ion Ratio Lower Upper

43 100

58 39.5 40.2 60.2#

57 15.5 14.2 21.4

100 1.4 8.4 12.6#

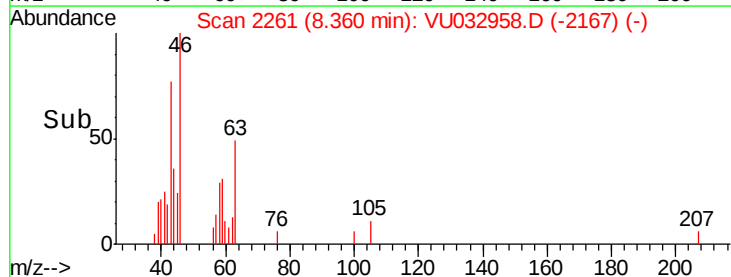
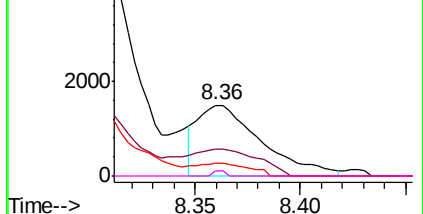


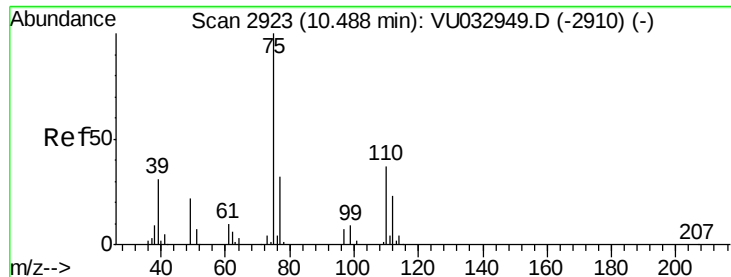
Abundance Ion 43.00 (42.70 to 43.70): VU032949.D (-2250) (-)

Ion 58.00 (57.70 to 58.70): VU032949.D (-2250) (-)

Ion 57.00 (56.70 to 57.70): VU032949.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU032949.D (-2250) (-)





#59

1,2,3-Trichloropropane

Concen: 5.828 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032958.D

Acq: 21 Jun 2019 20:38

Instrument :

MSVOA_U

ClientSampleId :

ETF18

Tgt Ion: 75 Resp: 11380

Ion Ratio Lower Upper

75 100

77 38.6 25.5 38.3#

