

Data File : VU028817.D
Acq On : 20 Dec 2018 12:18
Operator : MD/SY
Sample : VU1220MBL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK59

Quant Time: Dec 21 03:55:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 03:50:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187269	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	176816	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76511	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75886	50.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.10%
7) Chloroethane-d5	1.67	69	59132	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.98%
11) 1,1-Dichloroethene-d2	2.27	63	97778	38.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.46%
21) 2-Butanone-d5	4.17	46	114111	108.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.49%
24) Chloroform-d	4.65	84	119298	50.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.06%
26) 1,2-Dichloroethane-d4	5.31	65	77030	52.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.86%
32) Benzene-d6	5.34	84	265154	53.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.16%
36) 1,2-Dichloropropane-d6	6.33	67	91187	53.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.46%
41) Toluene-d8	7.56	98	235645	52.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.12%
43) trans-1,3-Dichloropropene-	7.85	79	40040	52.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.32%
47) 2-Hexanone-d5	8.31	63	89246	110.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.73%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	123077	52.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	82322	53.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

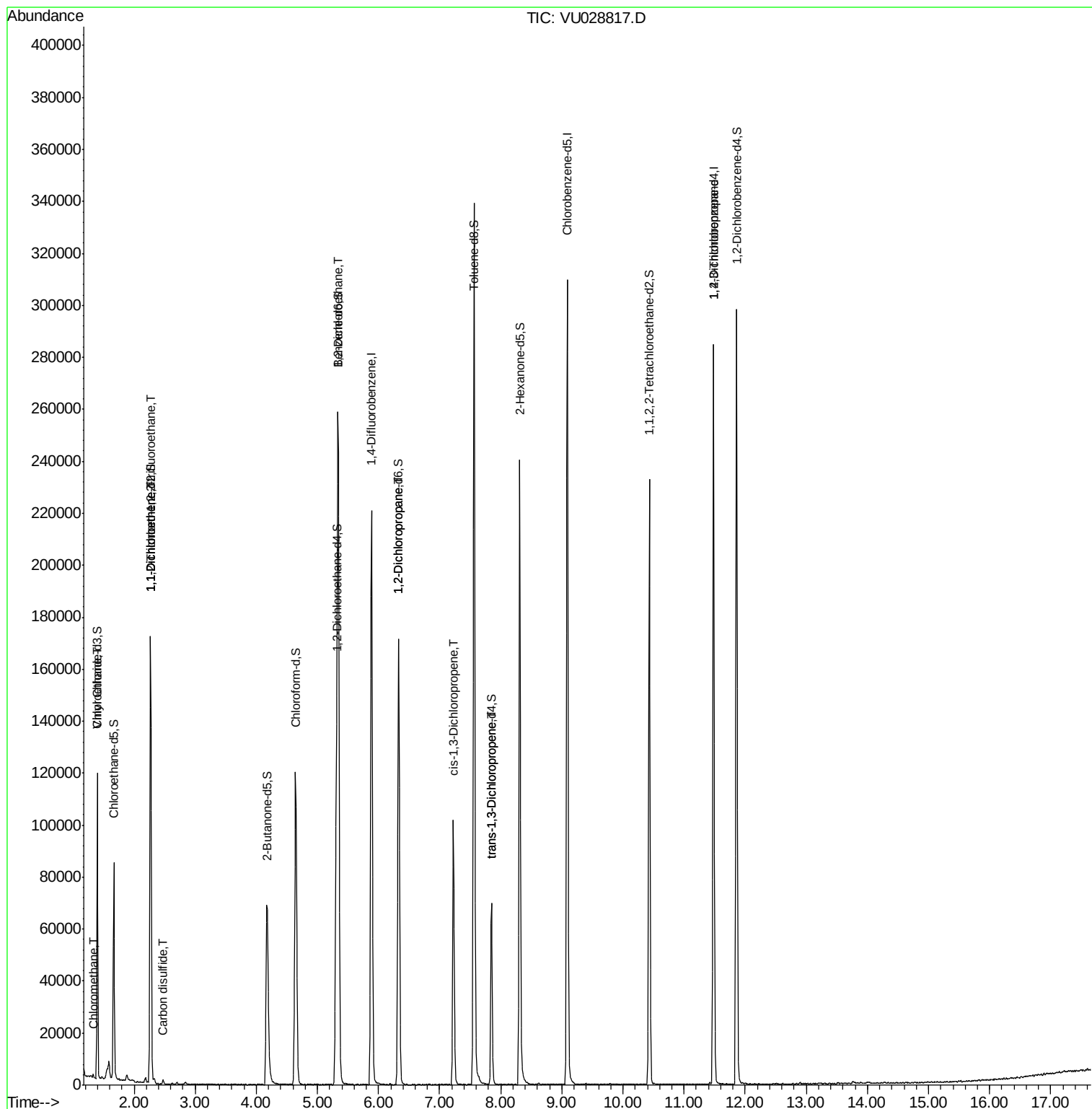
					Qvalue
3) Chloromethane	1.33	50	1503	0.724 ug/L	96
8) Chloroethane	1.40	64	1025	0.979 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	956	0.788 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	682	0.568 ug/L #	1
14) Carbon disulfide	2.47	76	2095	0.500 ug/L #	93
27) 1,2-Dichloroethane	5.34	62	1374	0.768 ug/L #	74
37) 1,2-Dichloropropane	6.33	63	8528	5.420 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	2072	0.924 ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	1565	0.783 ug/L #	79
59) 1,2,3-Trichloropropane	11.48	75	9701	5.166 ug/L	99

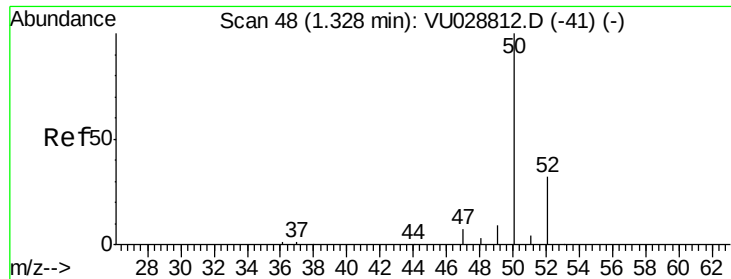
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.724 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028817.D

Acq: 20 Dec 2018 12:18

Instrument :

MSVOA_U

ClientSampleId :

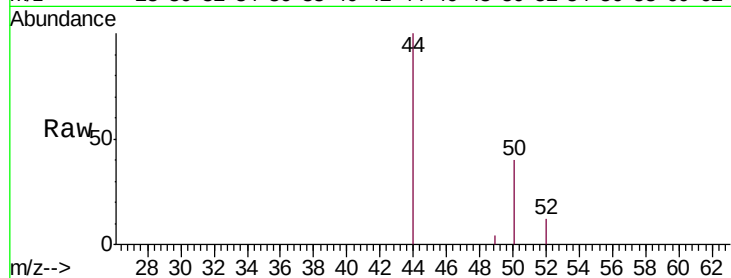
VBLK59

Tgt Ion: 50 Resp: 1503

Ion Ratio Lower Upper

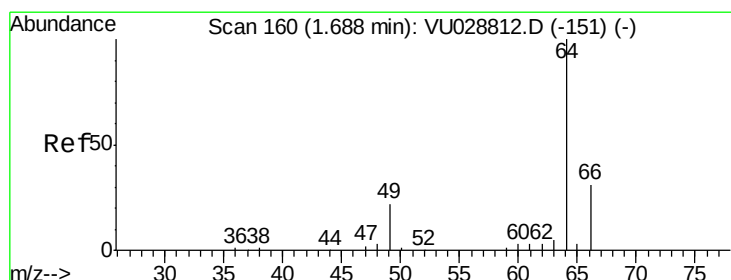
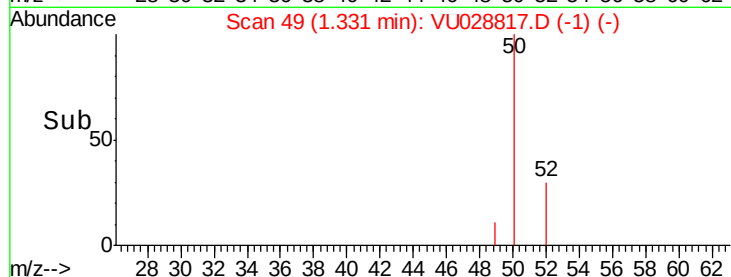
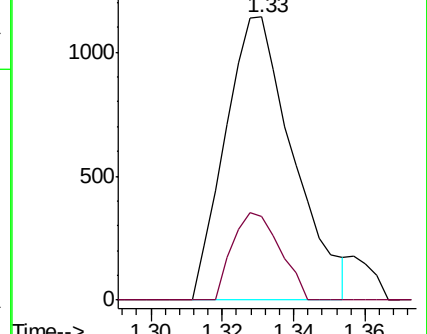
50 100

52 29.7 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#8

Chloroethane

Concen: 0.979 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028817.D

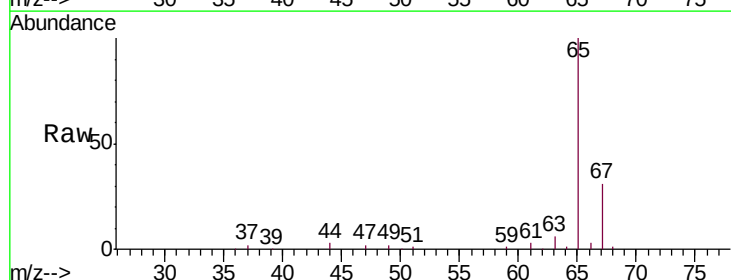
Acq: 20 Dec 2018 12:18

Tgt Ion: 64 Resp: 1025

Ion Ratio Lower Upper

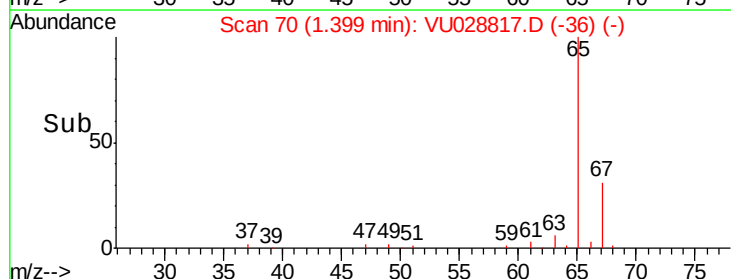
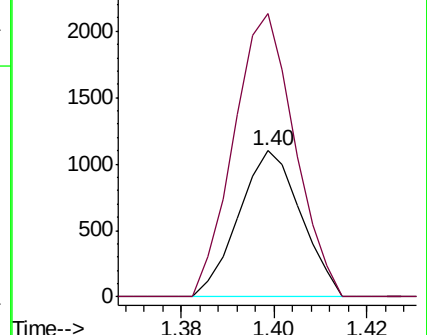
64 100

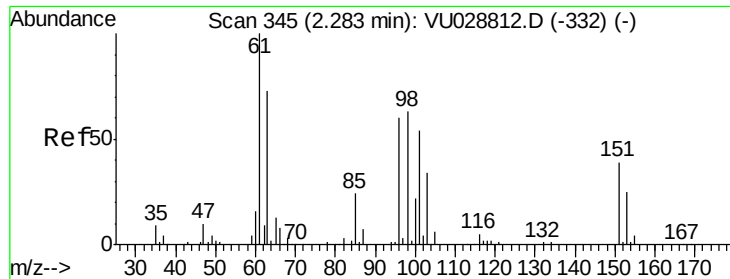
66 193.9 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#10

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

Concen: 0.788 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028817.D

Acq: 20 Dec 2018 12:18

Instrument :

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ClientSampleId :

VBLK59

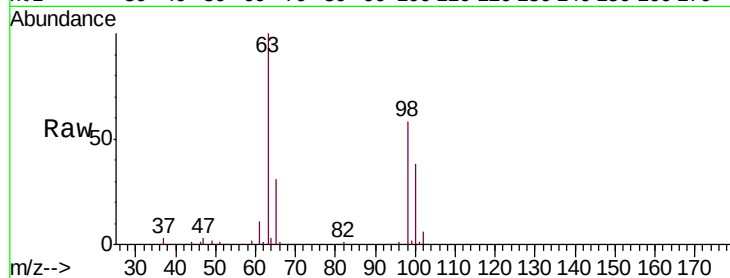
Tgt Ion: 101 Resp: 956

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 59.4 89.0#



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

2.27

600

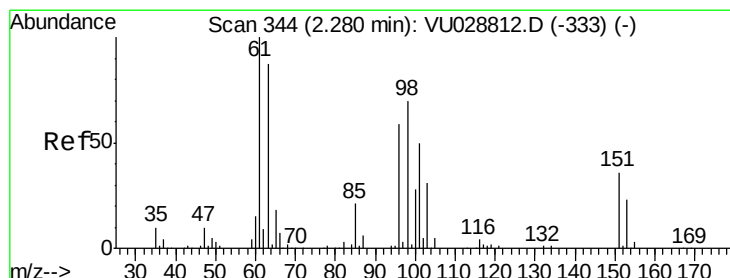
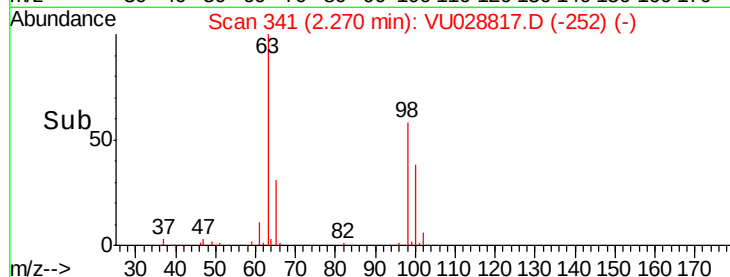
400

200

0

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.568 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028817.D

Acq: 20 Dec 2018 12:18

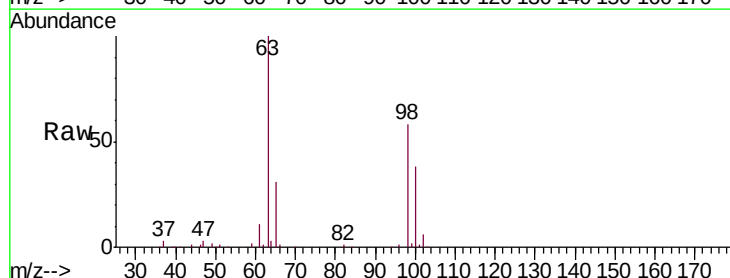
Tgt Ion: 96 Resp: 682

Ion Ratio Lower Upper

96 100

61 1484.2 119.3 221.5#

63 13168.0 107.4 199.6#



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

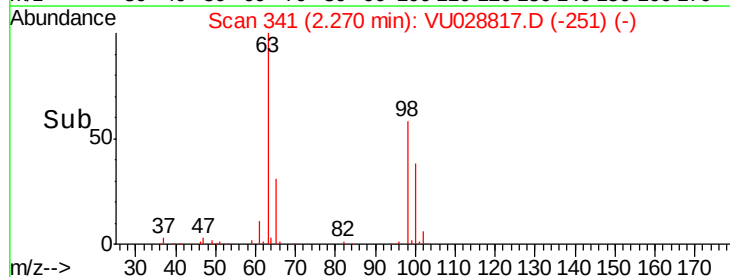
40000

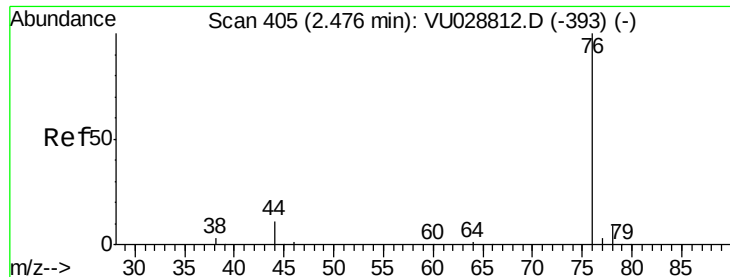
20000

0

2.24 2.26 2.28 2.30

Time-->





#14

Carbon disulfide

Concen: 0.500 ug/L

RT: 2.47 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU028817.D

Acq: 20 Dec 2018 12:18

Instrument :

MSVOA_U

ClientSampleId :

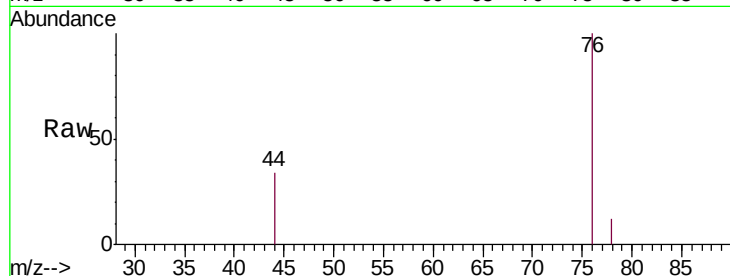
VBLK59

Tgt Ion: 76 Resp: 2095

Ion Ratio Lower Upper

76 100

78 11.7 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VU028812.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU028812.D (-393) (-)

2.47

1500

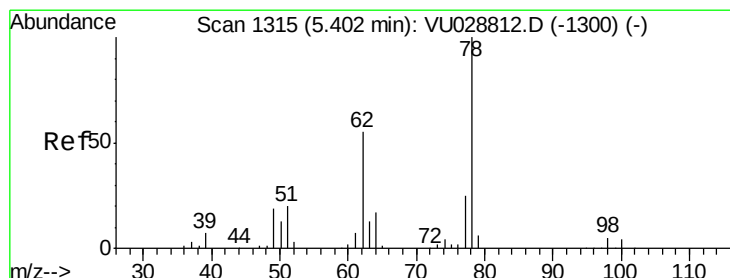
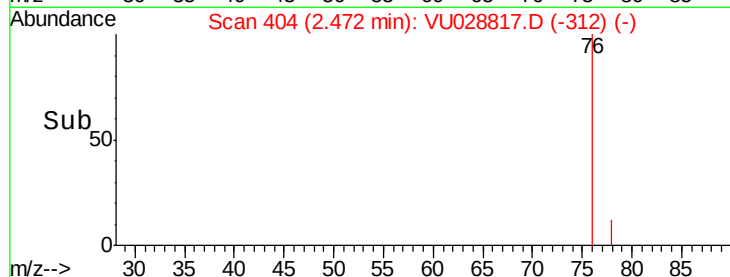
1000

500

0

2.44 2.46 2.48 2.50 2.52

Time-->



#27

1,2-Dichloroethane

Concen: 0.768 ug/L

RT: 5.34 min Scan# 1295

Delta R.T. -0.06 min

Lab File: VU028817.D

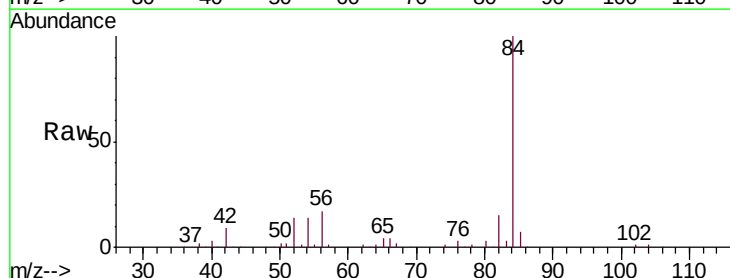
Acq: 20 Dec 2018 12:18

Tgt Ion: 62 Resp: 1374

Ion Ratio Lower Upper

62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU028812.D (-1300) (-)

Ion 98.00 (97.70 to 98.70): VU028812.D (-1300) (-)

5.34

800

600

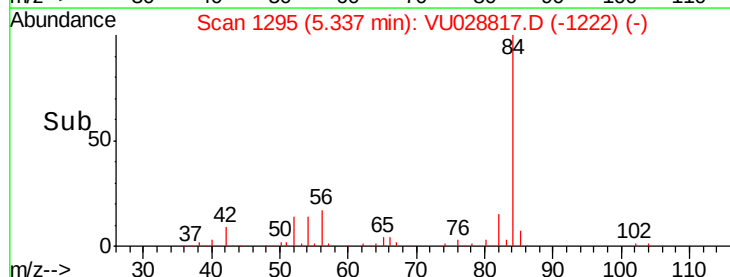
400

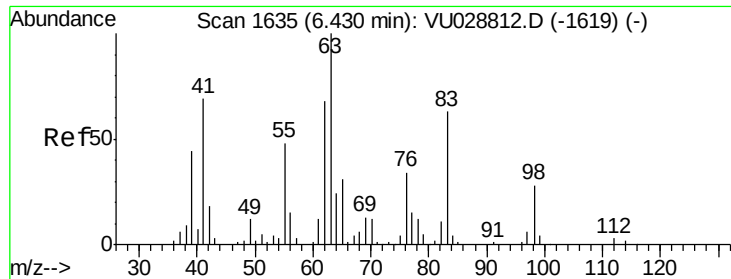
200

0

5.30 5.35

Time-->

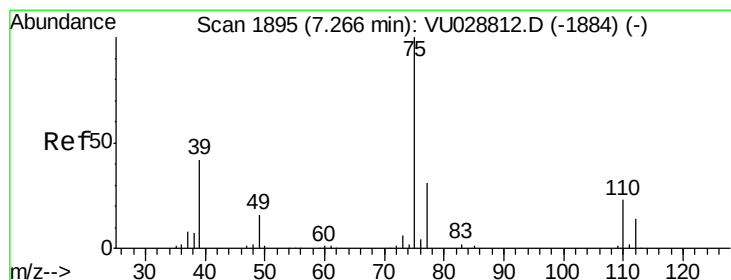
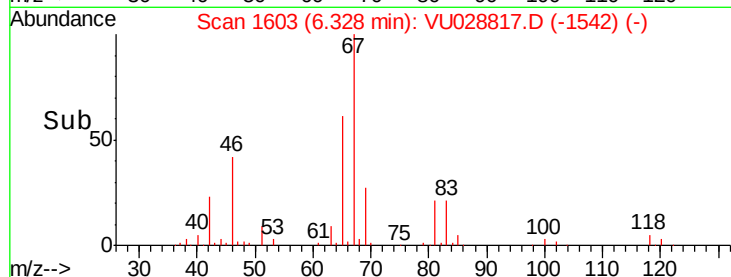
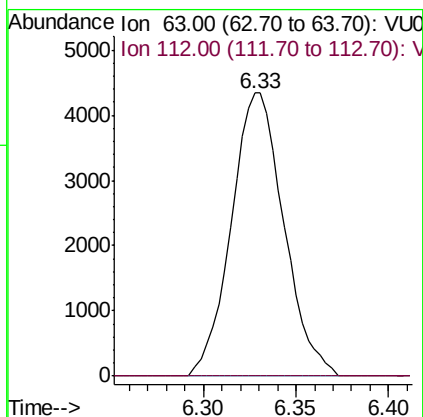
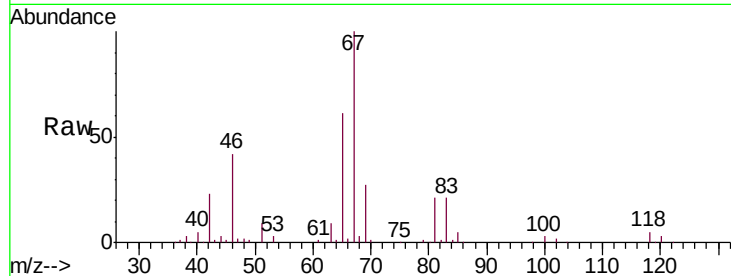




#37
 1,2-Dichloropropane
 Concen: 5.420 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028817.D
 Acq: 20 Dec 2018 12:18

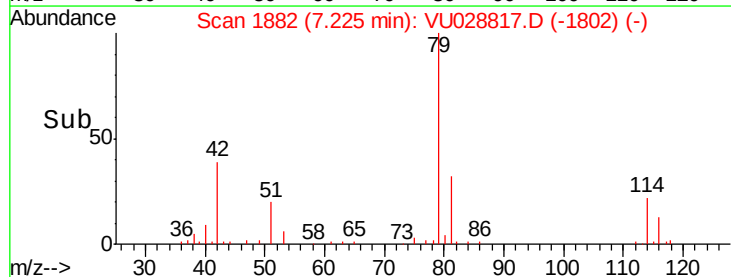
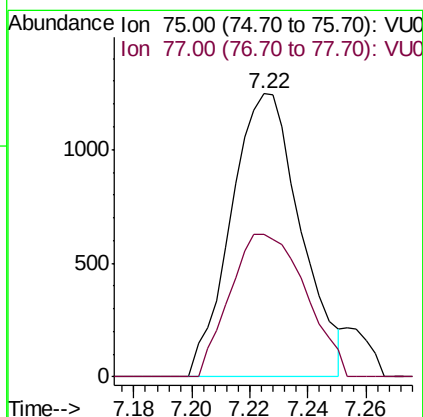
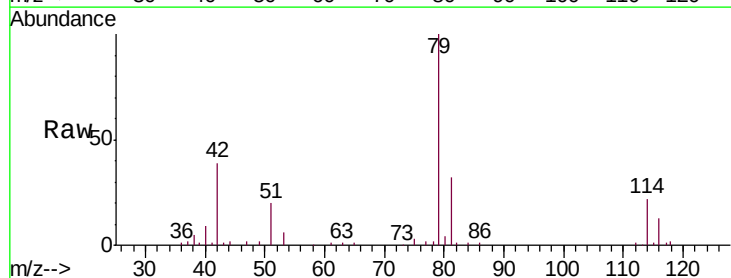
Instrument :
 MSVOA_U
 ClientSampleID :
 VBLK59

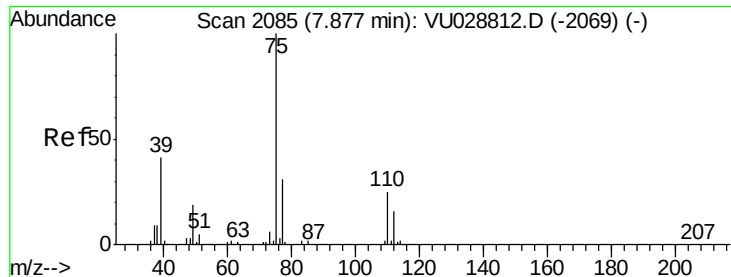
Tgt Ion: 63 Resp: 8528
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.924 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028817.D
 Acq: 20 Dec 2018 12:18

Tgt Ion: 75 Resp: 2072
 Ion Ratio Lower Upper
 75 100
 77 50.5 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.783 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU028817.D

Acq: 20 Dec 2018 12:18

Instrument :

MSVOA_U

ClientSampleId :

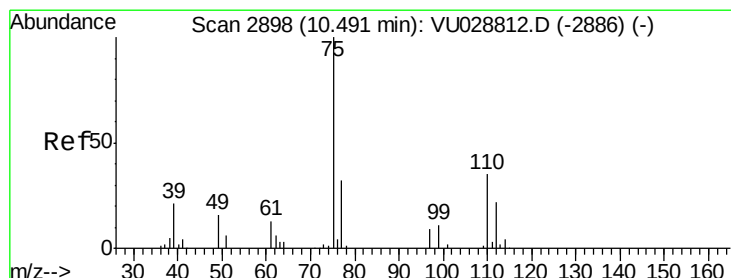
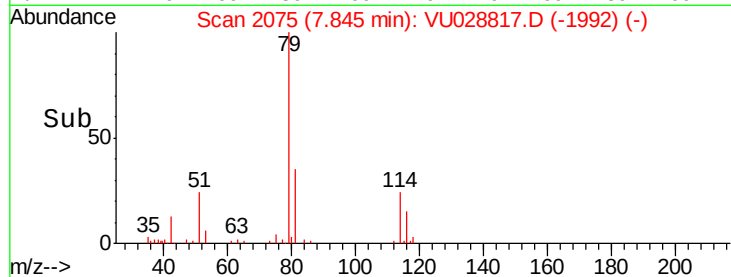
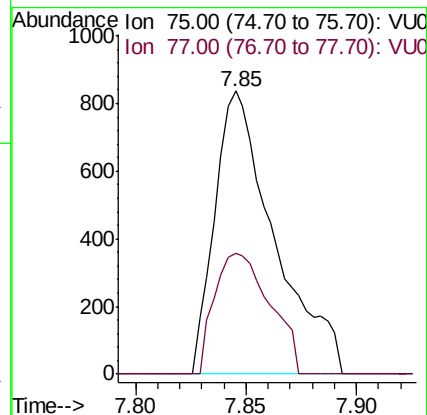
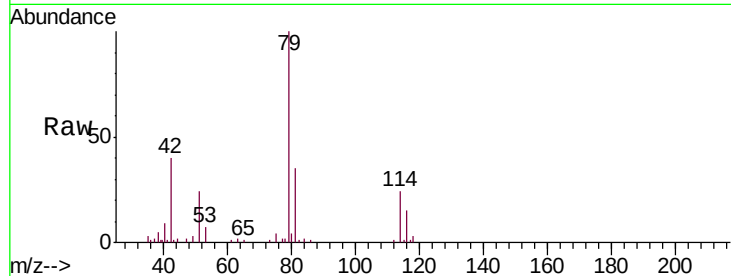
VBLK59

Tgt Ion: 75 Resp: 1565

Ion Ratio Lower Upper

75 100

77 42.8 21.8 40.6#



#59

1,2,3-Trichloropropane

Concen: 5.166 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028817.D

Acq: 20 Dec 2018 12:18

Tgt Ion: 75 Resp: 9701

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

