

Data File : VU032584.D
Acq On : 10 Jun 2019 22:42
Operator : JC/SP
Sample : K3277-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8C5

Quant Time: Jun 11 05:44:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:38:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188125	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	175355	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89310	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57655	47.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.48%
7) Chloroethane-d5	1.68	69	46916	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.66%
11) 1,1-Dichloroethene-d2	2.27	63	84018	35.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.32%
21) 2-Butanone-d5	4.17	46	97129	95.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.09%
24) Chloroform-d	4.64	84	107156	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.14%
26) 1,2-Dichloroethane-d4	5.30	65	70926	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
32) Benzene-d6	5.33	84	222735	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.86%
36) 1,2-Dichloropropane-d6	6.32	67	69799	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.80%
41) Toluene-d8	7.56	98	204639	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%
43) trans-1,3-Dichloropropene-	7.85	79	30246	44.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.56%
47) 2-Hexanone-d5	8.31	63	62076	89.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.65%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	98664	47.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	84143	49.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.38%

Target Compounds

					Qvalue	
3) Chloromethane	1.33	50	2278	1.390	ug/L #	42
8) Chloroethane	1.33	64	31847	32.728	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	689	0.599	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	654	0.586	ug/L #	1
13) Acetone	2.32	43	3826	3.630	ug/L	92
14) Carbon disulfide	2.47	76	6873	2.026	ug/L	98
27) 1,2-Dichloroethane	5.33	62	1461	0.812	ug/L #	75
34) Trichloroethene	6.18	95	130760	97.551	ug/L	96
37) 1,2-Dichloropropane	6.32	63	8012	6.134	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2153	1.045	ug/L #	82
44) trans-1,3-Dichloropropene	7.85	75	1444	0.789	ug/L #	81
48) 2-Hexanone	8.36	43	3650	2.115	ug/L #	61
59) 1,2,3-Trichloropropane	11.48	75	9769	5.754	ug/L #	87

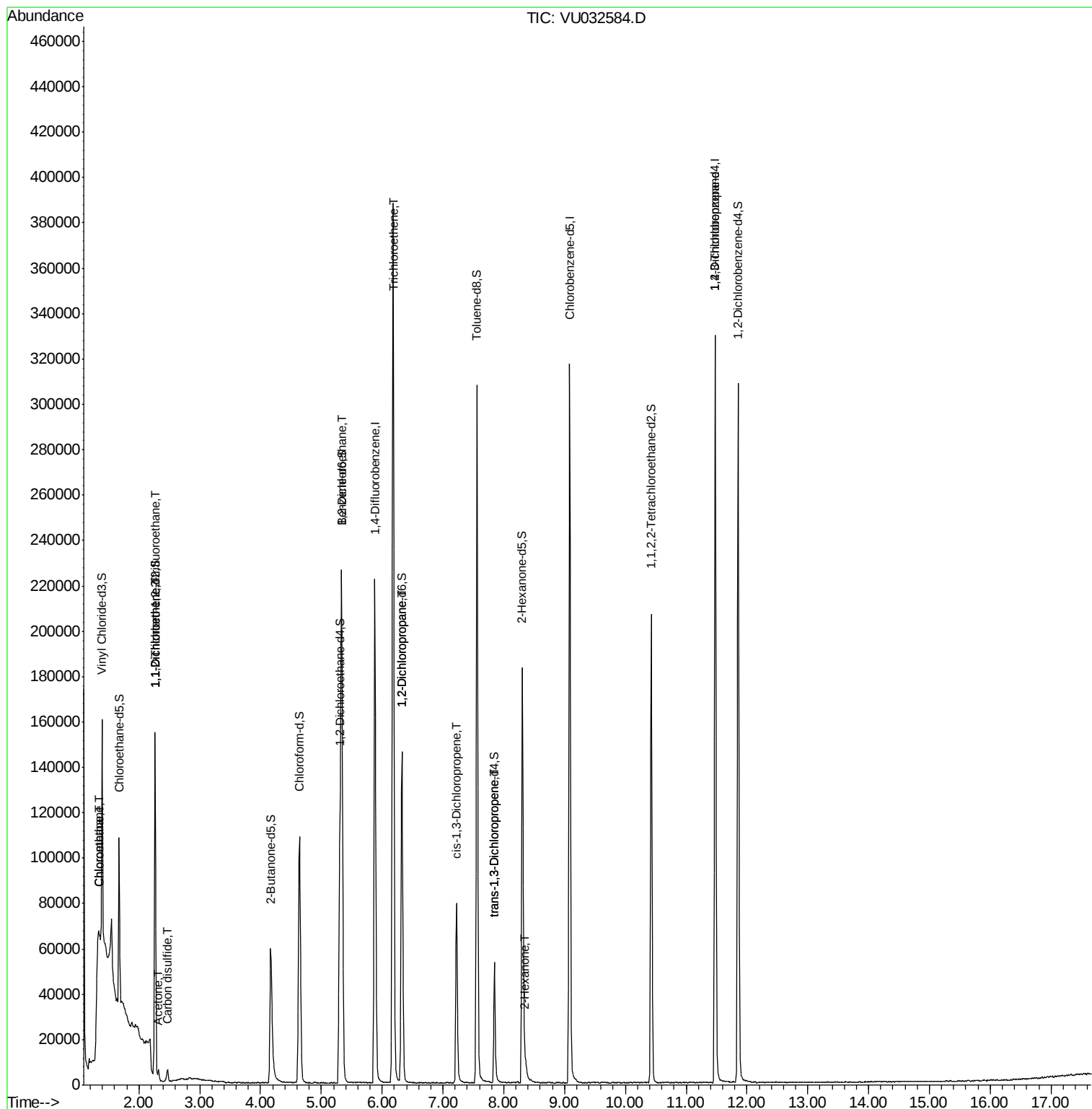
(#) = qualifier out of range (m) = manual integration (+) = signals summed

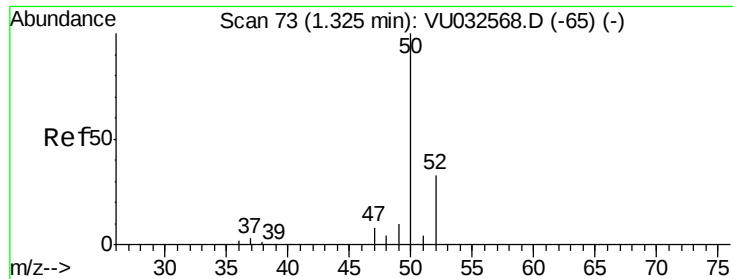
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Quant Title : VOC Analysis
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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.390 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032584.D

Acq: 10 Jun 2019 22:42

Instrument :

MSVOA_U

ClientSampleId :

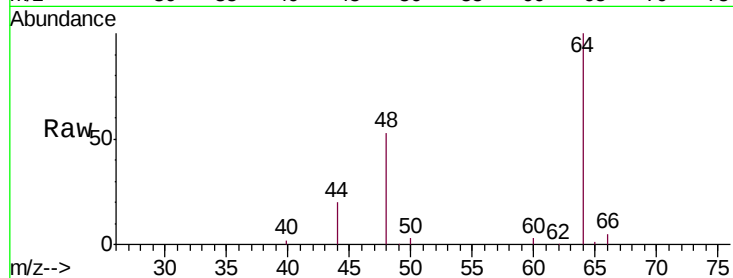
DB8C5

Tgt Ion: 50 Resp: 2278

Ion Ratio Lower Upper

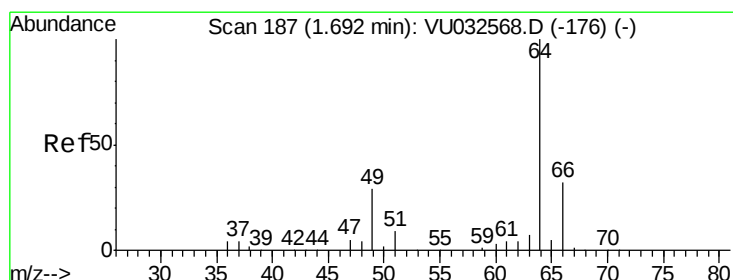
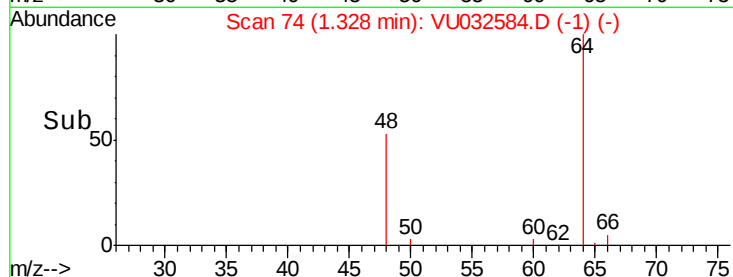
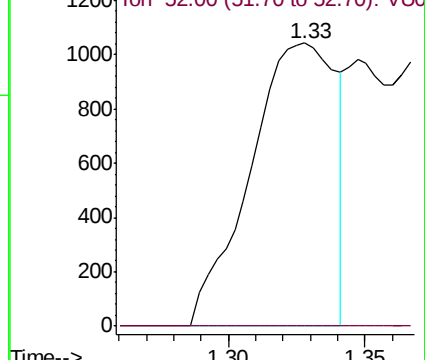
50 100

52 0.0 23.0 42.6#



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#8

Chloroethane

Concen: 32.728 ug/L

RT: 1.33 min Scan# 75

Delta R.T. -0.36 min

Lab File: VU032584.D

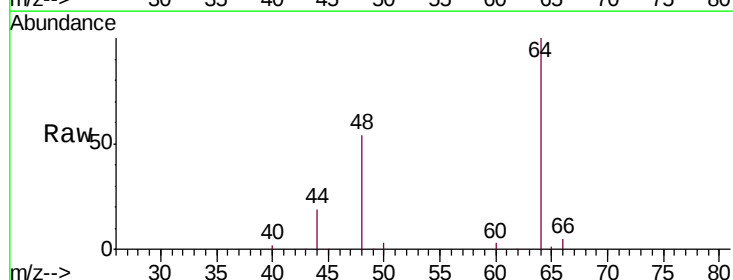
Acq: 10 Jun 2019 22:42

Tgt Ion: 64 Resp: 31847

Ion Ratio Lower Upper

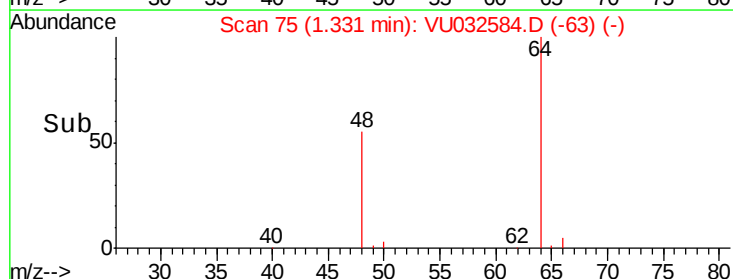
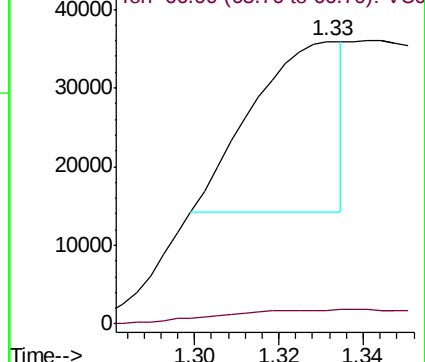
64 100

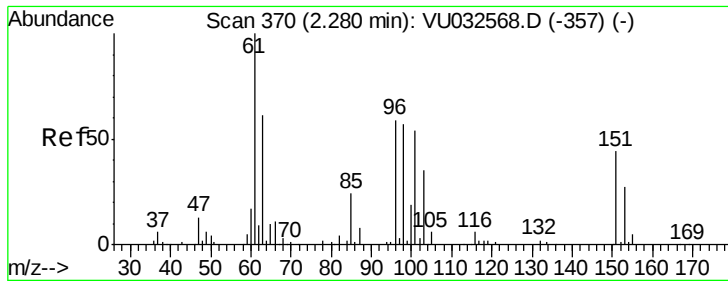
66 4.9 22.9 42.5#



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: 0.599 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032584.D

Acq: 10 Jun 2019 22:42

Instrument :

MSVOA_U

ClientSampleId :

DB8C5

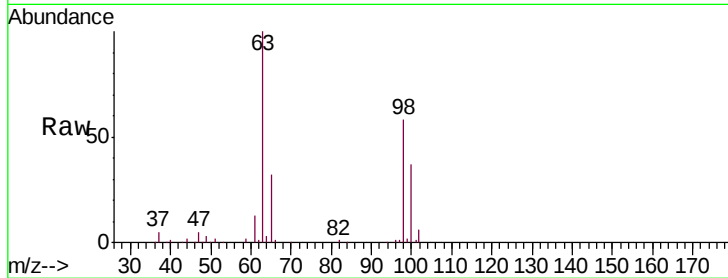
Tgt Ion: 101 Resp: 689

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

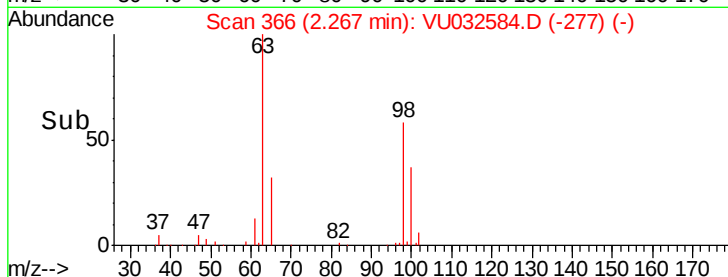
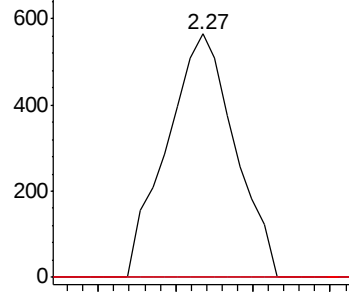
151 0.0 63.0 94.4#



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



#12

1,1-Dichloroethene

Concen: 0.586 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032584.D

Acq: 10 Jun 2019 22:42

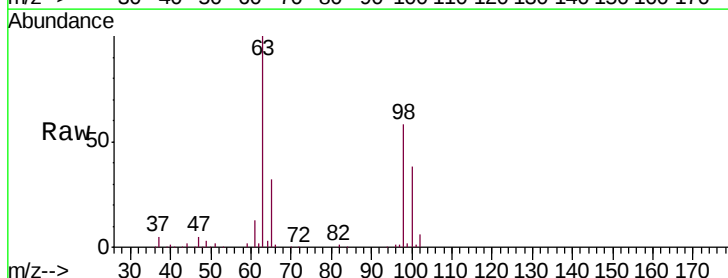
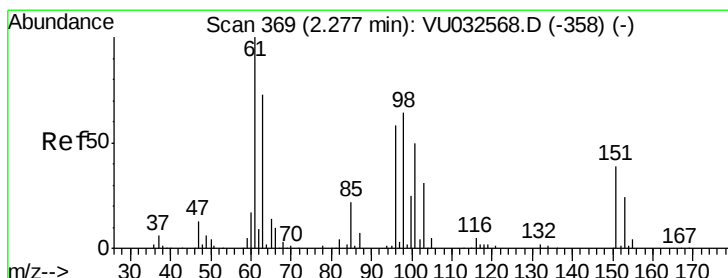
Tgt Ion: 96 Resp: 654

Ion Ratio Lower Upper

96 100

61 1507.7 129.5 240.5#

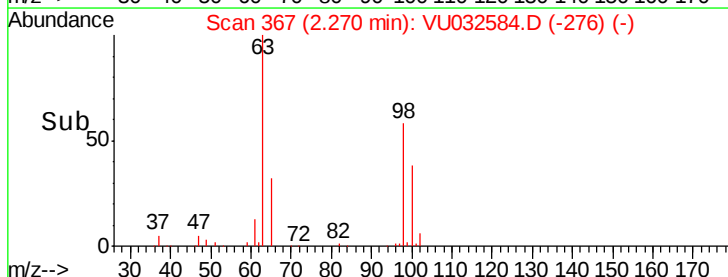
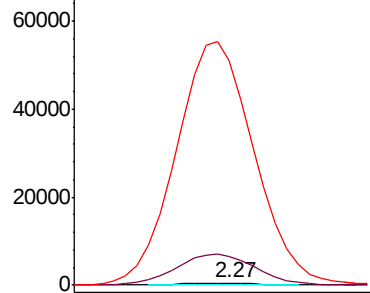
63 11570.9 103.4 192.0#

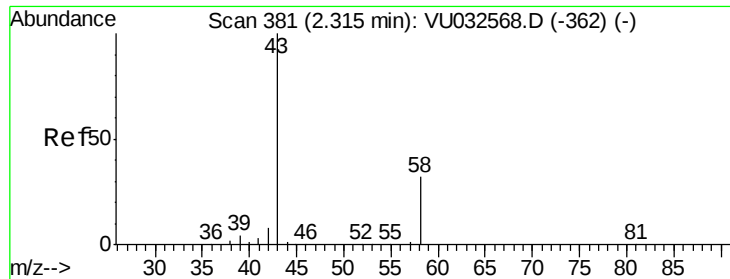


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.630 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032584.D

Acq: 10 Jun 2019 22:42

Instrument :

MSVOA_U

ClientSampleId :

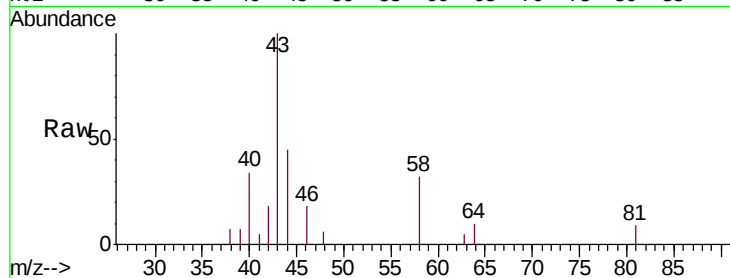
DB8C5

Tgt Ion: 43 Resp: 3826

Ion Ratio Lower Upper

43 100

58 27.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032568.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU032568.D (-362) (-)

2.32

2500

2000

1500

1000

500

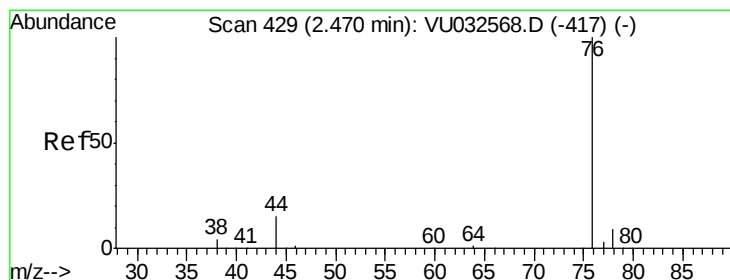
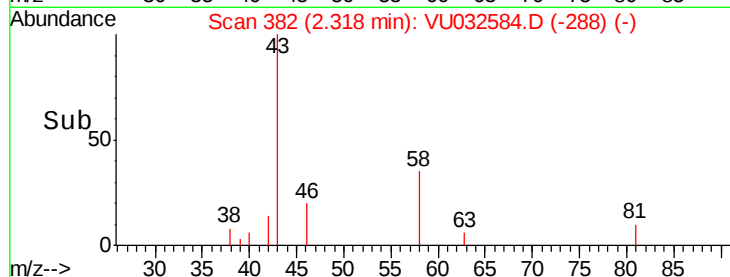
0

Time-->

2.25

2.30

2.35



#14

Carbon disulfide

Concen: 2.026 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032584.D

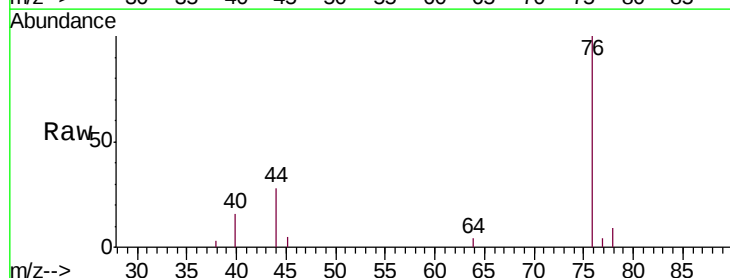
Acq: 10 Jun 2019 22:42

Tgt Ion: 76 Resp: 6873

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032568.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032568.D (-417) (-)

2.47

5000

4000

3000

2000

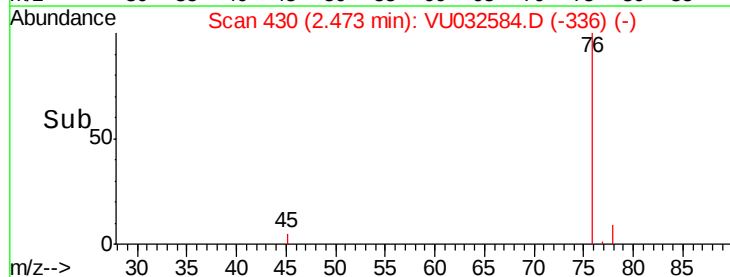
1000

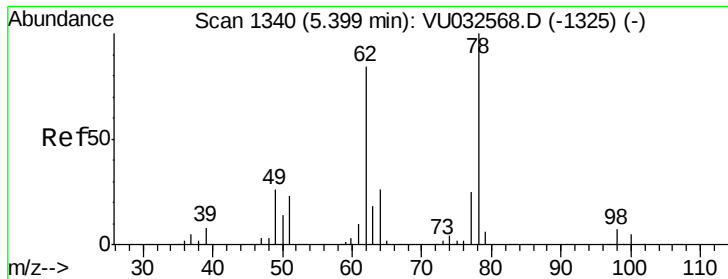
0

Time-->

2.45

2.50





#27

1,2-Dichloroethane

Concen: 0.812 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032584.D

Acq: 10 Jun 2019 22:42

Instrument :

MSVOA_U

ClientSampleId :

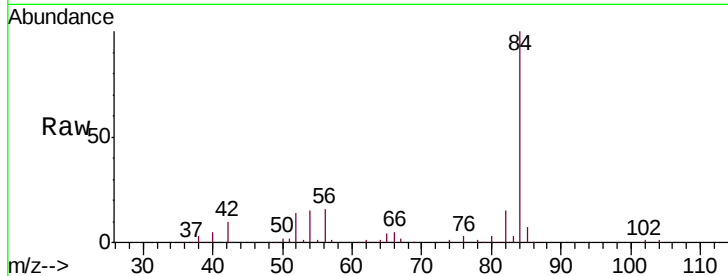
DB8C5

Tgt Ion: 62 Resp: 1461

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032568.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032568.D (-1325) (-)

5.33

800

600

400

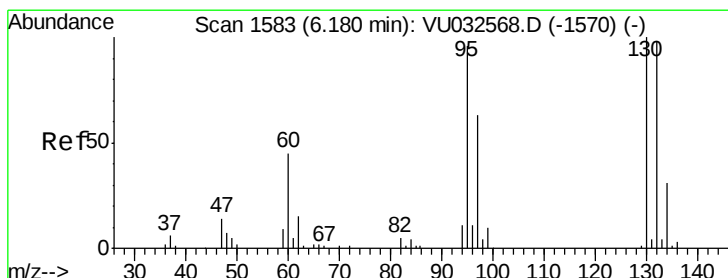
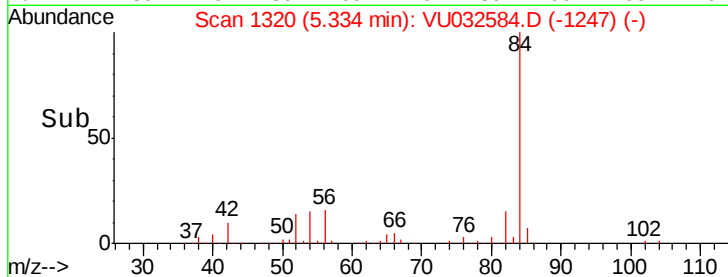
200

0

5.30

5.35

Time-->



#34

Trichloroethene

Concen: 97.551 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032584.D

Acq: 10 Jun 2019 22:42

Tgt Ion: 95 Resp: 130760

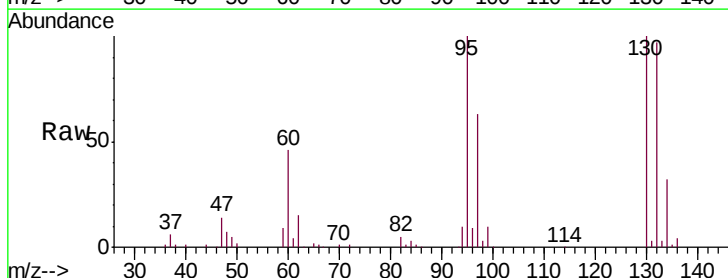
Ion Ratio Lower Upper

95 100

97 63.3 45.8 85.2

132 96.8 71.0 131.8

130 99.6 73.4 136.2



Abundance Ion 95.00 (94.70 to 95.70): VU032568.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032568.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032568.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032568.D (-1570) (-)

100000

80000

60000

40000

20000

0

6.10

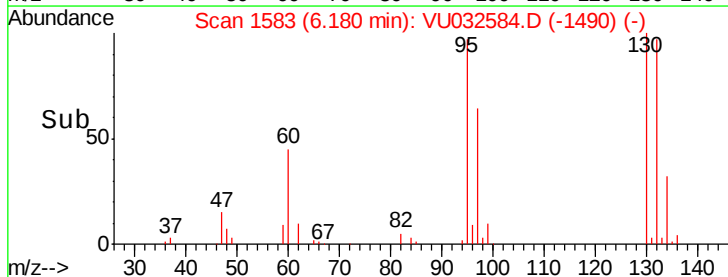
6.15

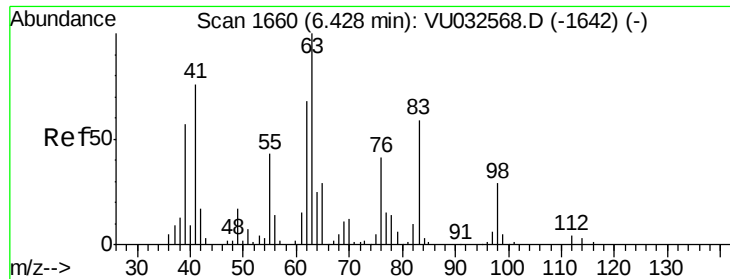
6.20

6.25

6.30

Time-->

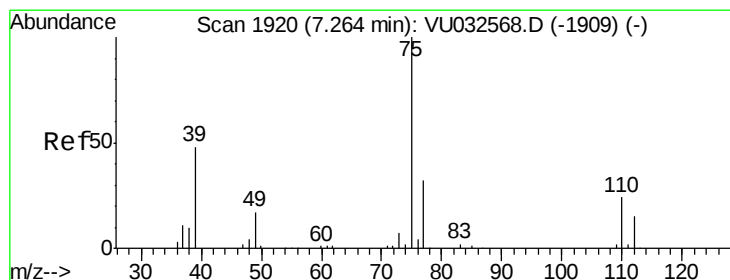
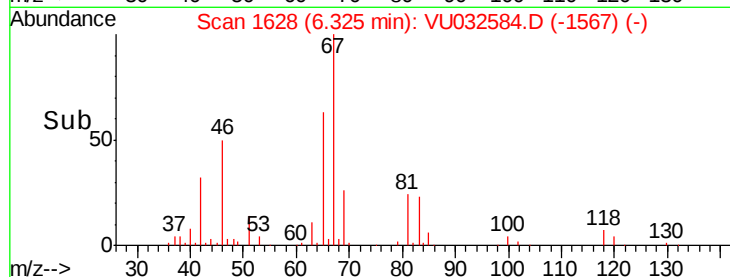
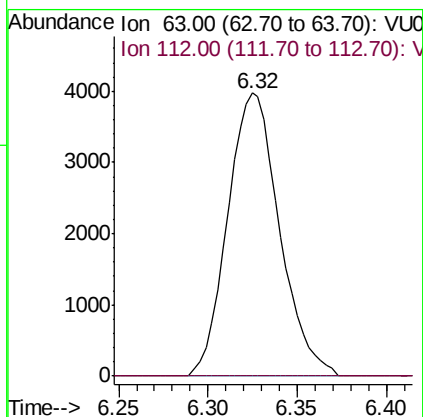
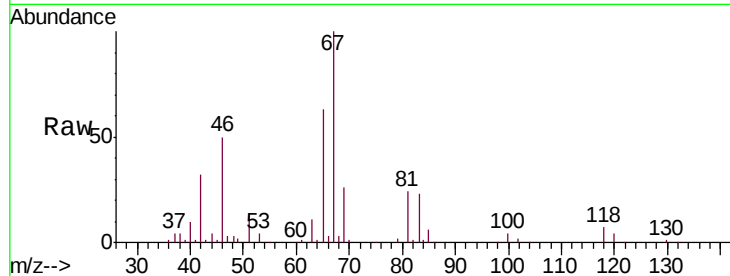




#37
 1,2-Dichloropropane
 Concen: 6.134 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032584.D
 Acq: 10 Jun 2019 22:42

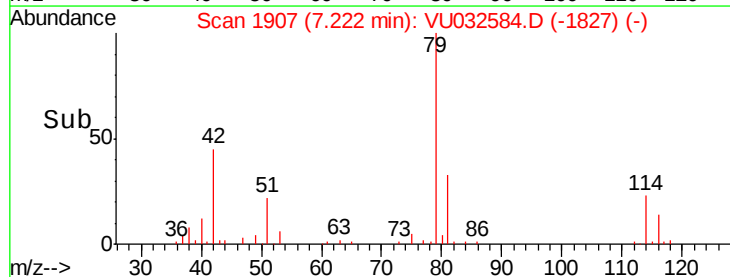
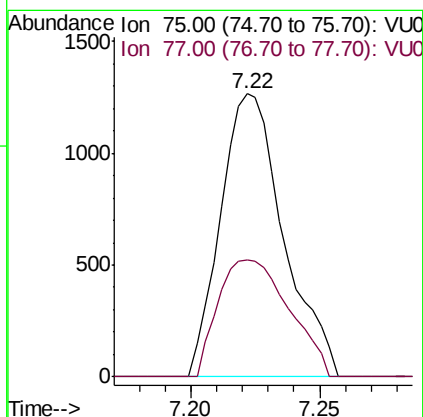
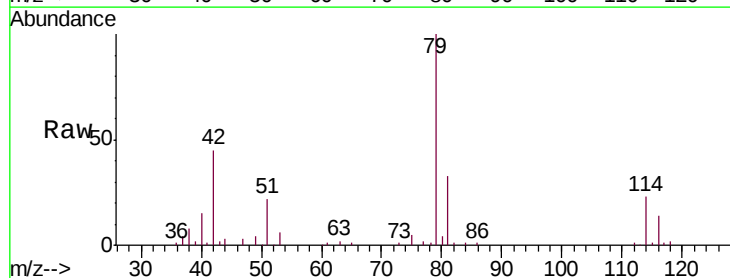
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8C5

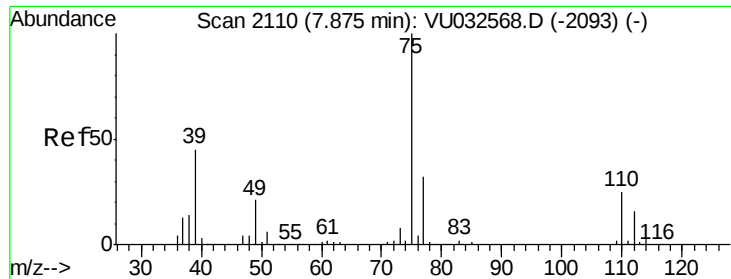
Tgt Ion: 63 Resp: 8012
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.045 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032584.D
 Acq: 10 Jun 2019 22:42

Tgt Ion: 75 Resp: 2153
 Ion Ratio Lower Upper
 75 100
 77 41.3 22.0 41.0#

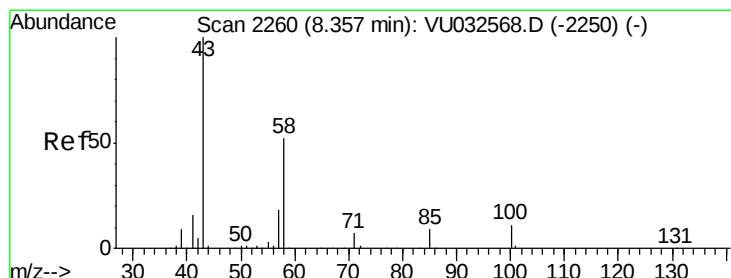
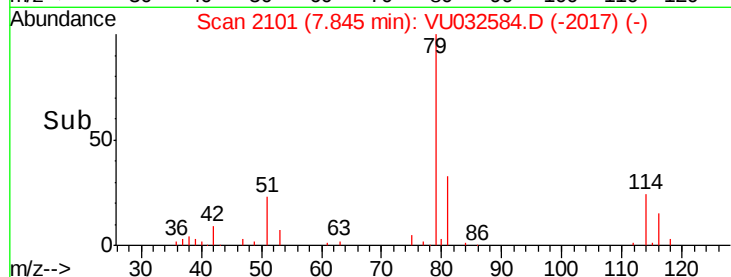
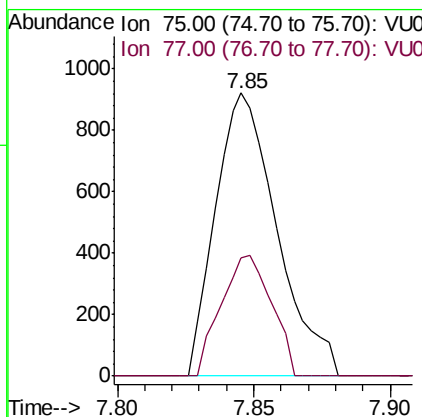
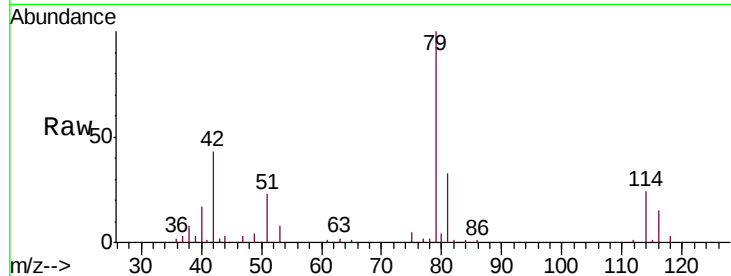




#44
trans-1,3-Dichloropropene
Concen: 0.789 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032584.D
Acq: 10 Jun 2019 22:42

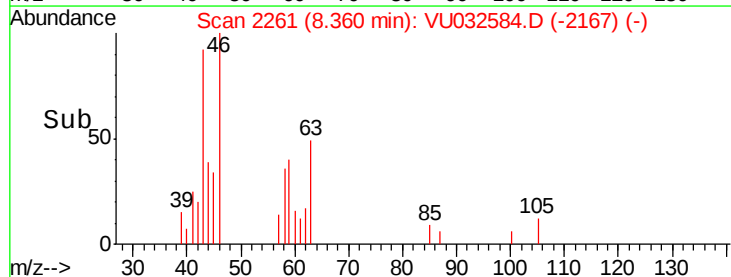
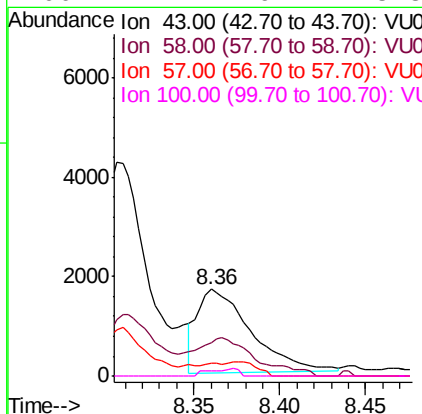
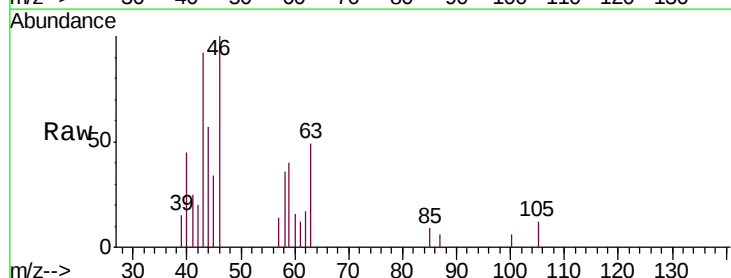
Instrument :
MSVOA_U
ClientSampleId :
DB8C5

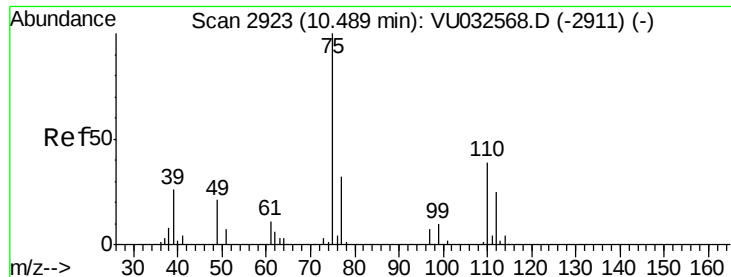
Tgt Ion: 75 Resp: 1444
Ion Ratio Lower Upper
75 100
77 41.9 22.1 41.1#



#48
2-Hexanone
Concen: 2.115 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032584.D
Acq: 10 Jun 2019 22:42

Tgt Ion: 43 Resp: 3650
Ion Ratio Lower Upper
43 100
58 22.7 42.0 63.0#
57 0.9 14.6 22.0#
100 2.1 9.2 13.8#





#59

1,2,3-Trichloropropane

Concen: 5.754 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032584.D

Acq: 10 Jun 2019 22:42

Instrument :

MSVOA_U

ClientSampleId :

DB8C5

Tgt Ion: 75 Resp: 9769

Ion Ratio Lower Upper

75 100

77 39.5 25.6 38.4#

