

Data File : VU032069.D
Acq On : 16 May 2019 23:34
Operator : JC/SP
Sample : K2850-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W11

Quant Time: May 17 07:24:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 07:17:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	413994	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	398749	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	155263	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	144437	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.68	69	126562	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.27	63	205965	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	4.20	46	271500	39.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.32%
24) Chloroform-d	4.64	84	253829	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.31	65	128712	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
32) Benzene-d6	5.33	84	524086	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.32	67	157129	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.56	98	444985	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	7.85	79	49516	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.31	63	242240	41.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	125136	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	152717	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

						Qvalue
8) Chloroethane	1.68	64	3397	0.262	ug/L #	54
12) 1,1-Dichloroethene	2.27	96	1941	0.117	ug/L #	1
13) Acetone	2.34	43	11687	5.200	ug/L	89
17) Methyl tert-butyl Ether	3.00	73	4043818	103.459	ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	2425	0.136	ug/L	91
22) cis-1,2-Dichloroethene	4.22	96	27915	1.595	ug/L	84
34) Trichloroethene	6.18	95	53519	3.222	ug/L	97
35) Methylcyclohexane	6.33	83	38725	1.619	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	16563	1.106	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	3116	0.151	ug/L #	63
44) trans-1,3-Dichloropropene	7.85	75	2380	0.148	ug/L #	22
45) 1,1,2-Trichloroethane	8.22	97	1647	0.149	ug/L #	1
47) Tetrachloroethene	8.22	164	232373	18.716	ug/L	96
48) 2-Hexanone	8.37	43	8792	1.633	ug/L #	72
49) Dibromochloromethane	8.22	129	215531	16.911	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	17355	1.825	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 07:17:36 2019
Response via : Initial Calibration

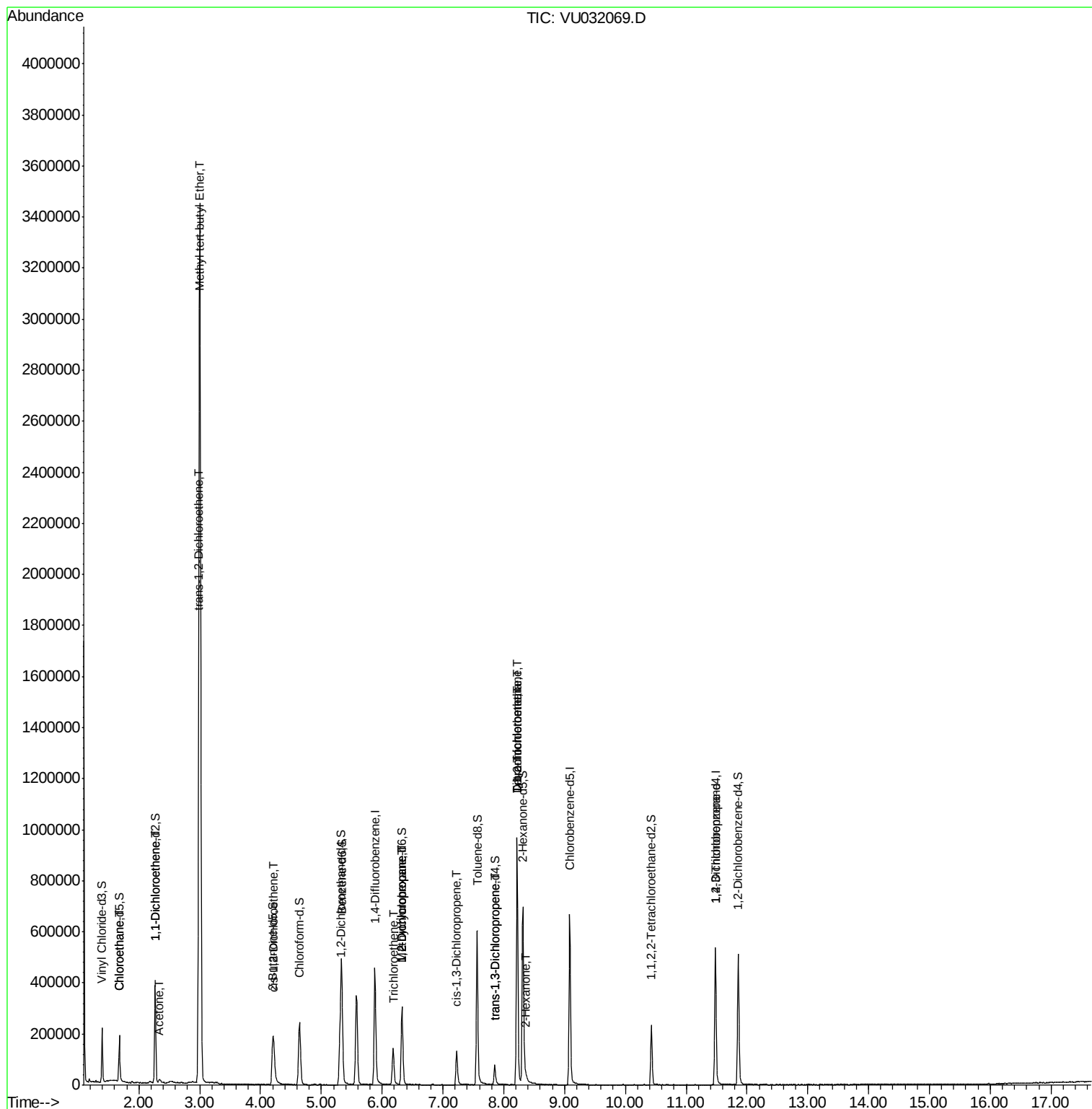
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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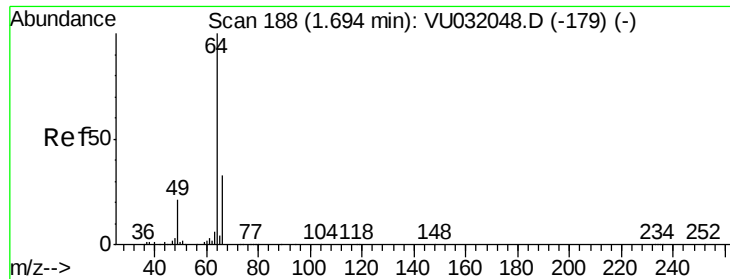
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.262 ug/L

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

Instrument :

MSVOA_U

ClientSampleId :

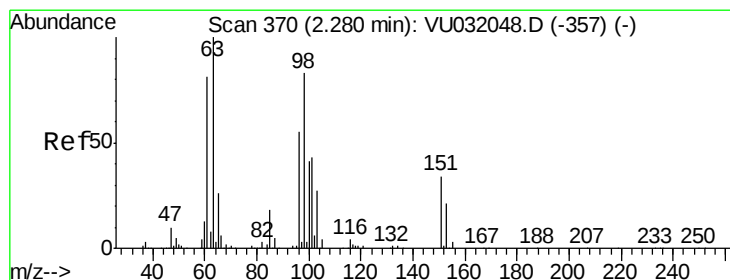
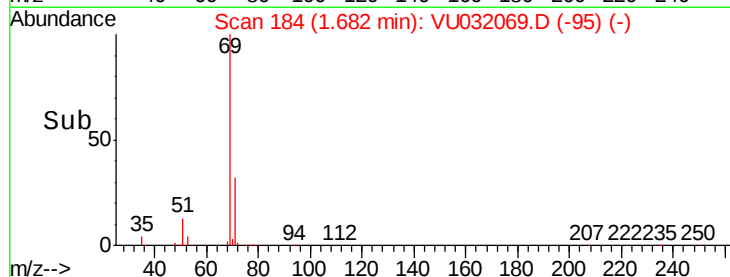
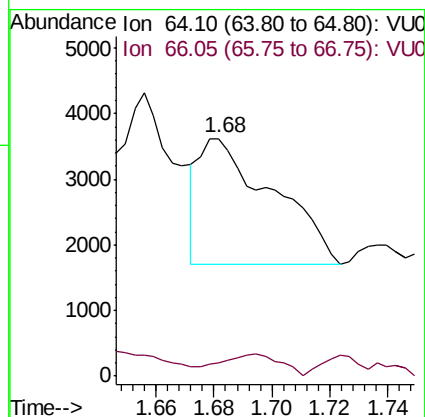
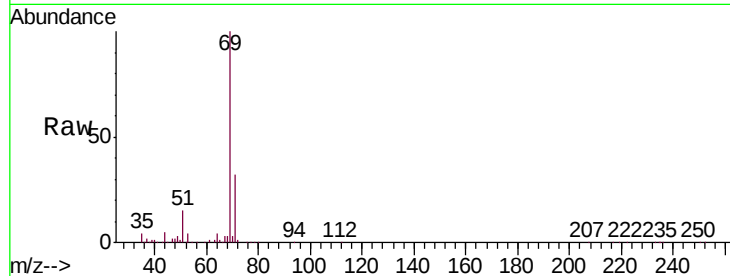
F9W11

Tgt Ion: 64 Resp: 3397

Ion Ratio Lower Upper

64 100

66 5.8 22.0 41.0#



#12

1,1-Dichloroethene

Concen: 0.117 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

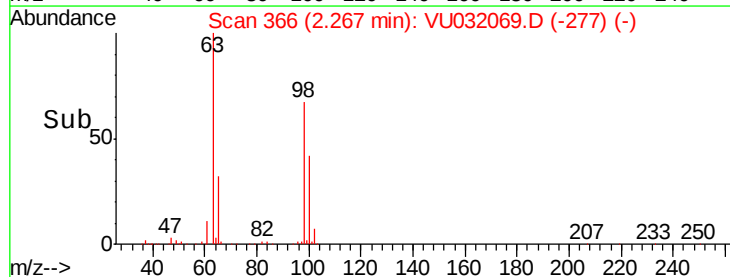
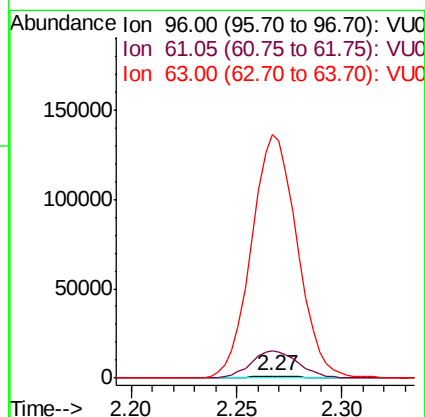
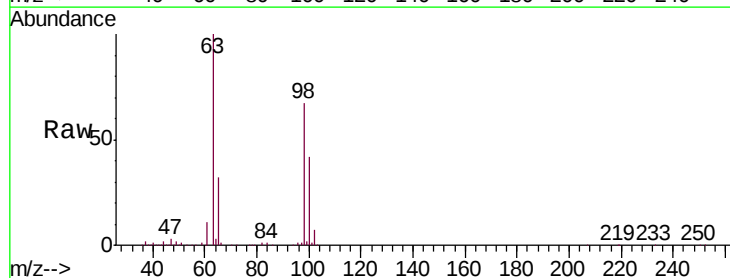
Tgt Ion: 96 Resp: 1941

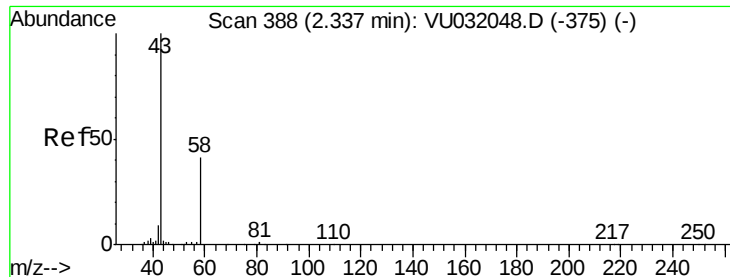
Ion Ratio Lower Upper

96 100

61 1406.9 111.7 207.5#

63 12489.1 152.2 282.6#





#13

Acetone

Concen: 5.200 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

Instrument :

MSVOA_U

ClientSampleId :

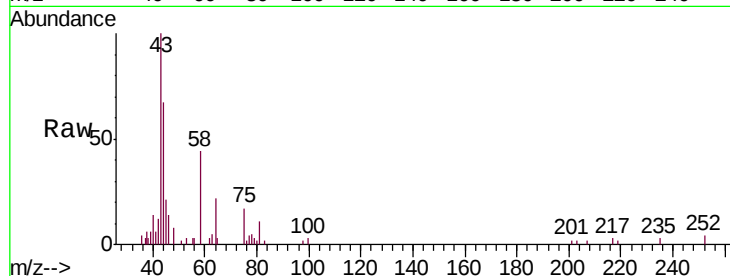
F9W11

Tgt Ion: 43 Resp: 11687

Ion Ratio Lower Upper

43 100

58 46.3 0.0 78.8

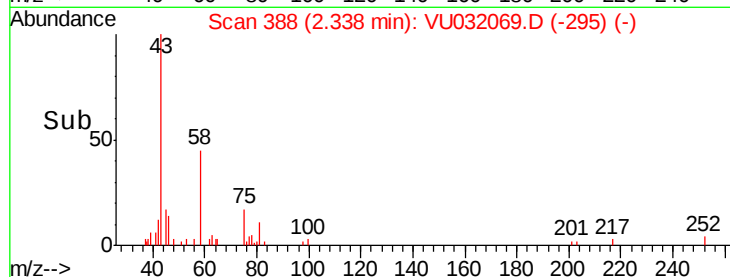


Abundance Ion 43.05 (42.75 to 43.75): VU032048.D (-375) (-)

Ion 58.05 (57.75 to 58.75): VU032048.D (-375) (-)

2.34

Time-->

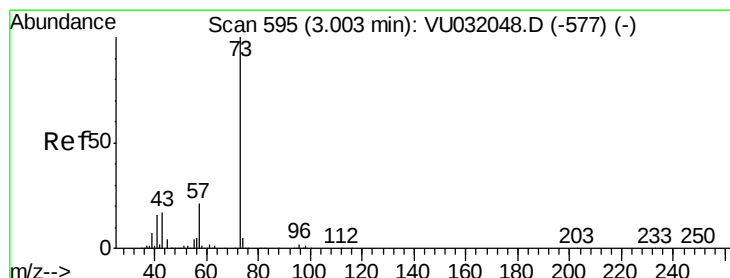


Abundance Ion 43.05 (42.75 to 43.75): VU032069.D (-295) (-)

Ion 58.05 (57.75 to 58.75): VU032069.D (-295) (-)

2.34

Time-->



#17

Methyl tert-butyl Ether

Concen: 103.459 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

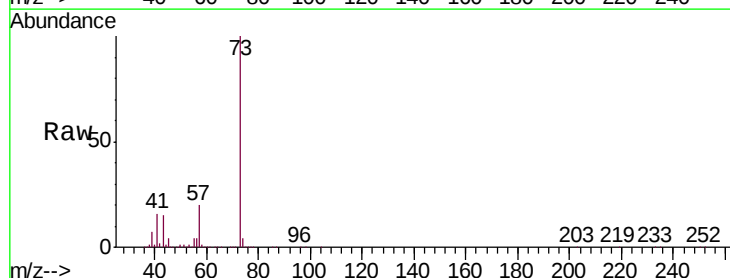
Tgt Ion: 73 Resp: 4043818

Ion Ratio Lower Upper

73 100

43 15.6 13.0 19.6

57 20.5 17.9 26.9



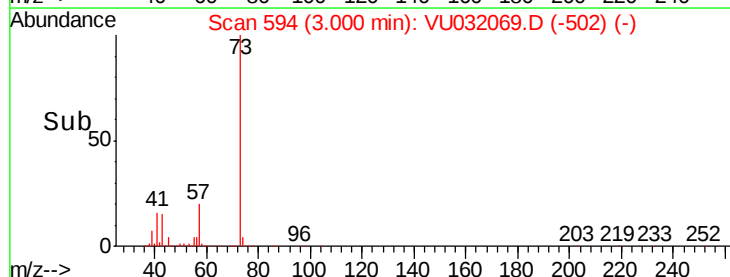
Abundance Ion 73.10 (72.80 to 73.80): VU032048.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU032048.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU032048.D (-577) (-)

3.00

Time-->



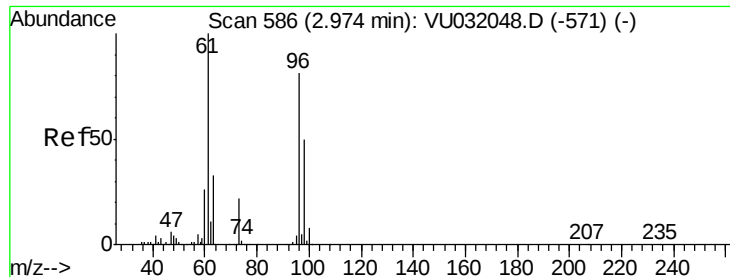
Abundance Ion 73.10 (72.80 to 73.80): VU032069.D (-502) (-)

Ion 43.05 (42.75 to 43.75): VU032069.D (-502) (-)

Ion 57.10 (56.80 to 57.80): VU032069.D (-502) (-)

3.00

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.136 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

Instrument :

MSVOA_U

ClientSampleId :

F9W11

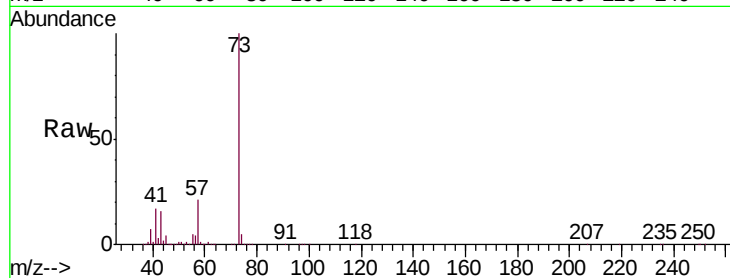
Tgt Ion: 96 Resp: 2425

Ion Ratio Lower Upper

96 100

61 137.5 86.5 160.7

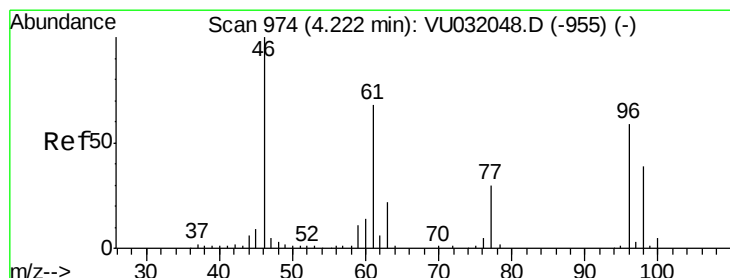
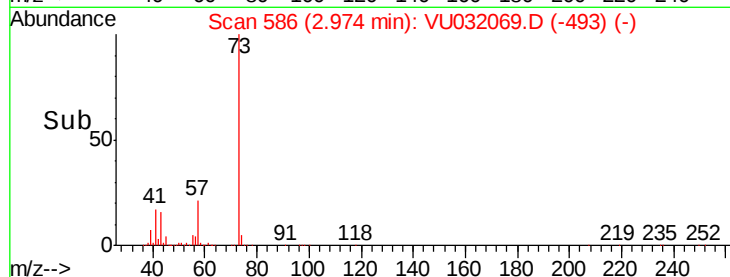
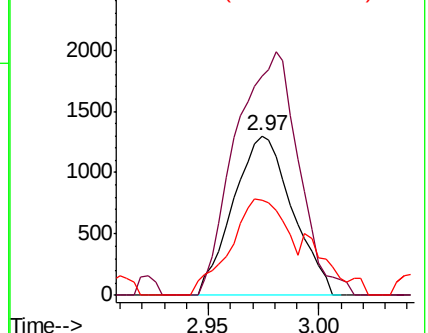
98 59.3 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU032048.D (-571) (-)

Ion 61.05 (60.75 to 61.75): VU032048.D (-571) (-)

Ion 97.95 (97.65 to 98.65): VU032048.D (-571) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.595 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

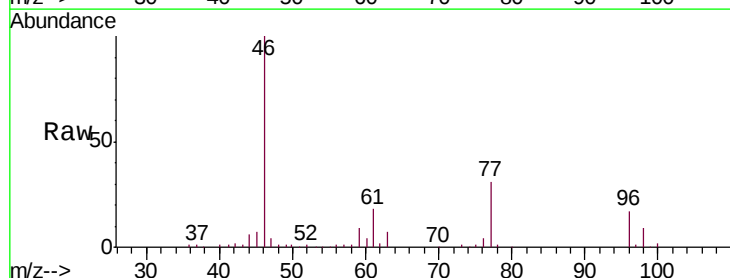
Tgt Ion: 96 Resp: 27915

Ion Ratio Lower Upper

96 100

61 104.4 85.8 159.4

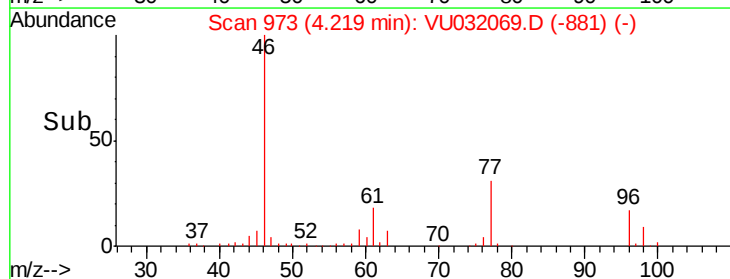
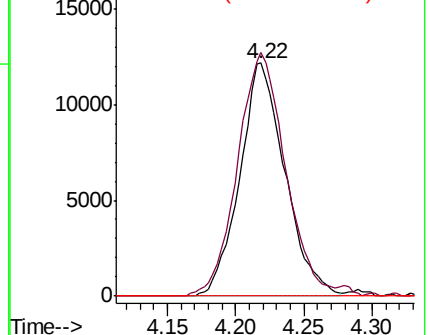
68 0.0 0.0 0.0

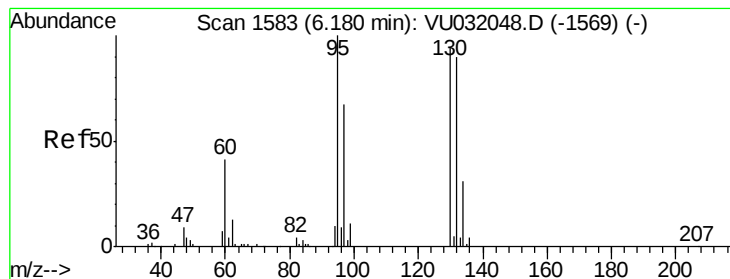


Abundance Ion 96.00 (95.70 to 96.70): VU032048.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU032048.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU032048.D (-955) (-)





#34

Trichloroethene

Concen: 3.222 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

Instrument :

MSVOA_U

ClientSampleId :

F9W11

Tgt Ion: 95 Resp: 53519

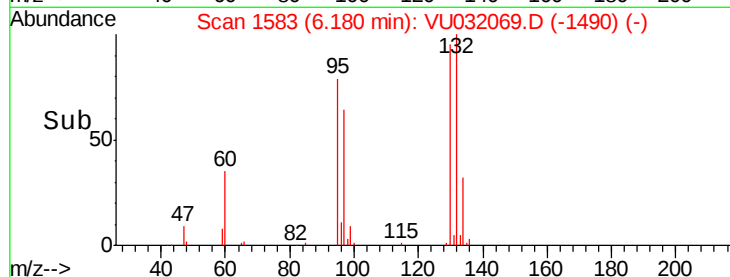
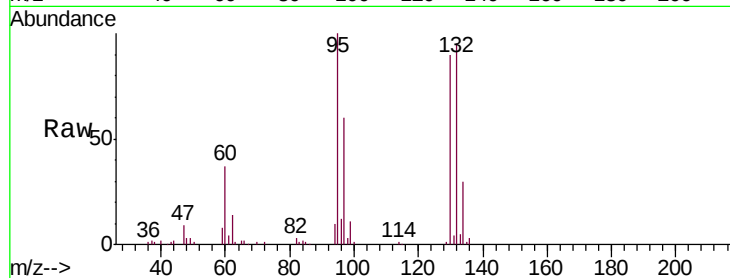
Ion Ratio Lower Upper

95 100

97 60.4 45.2 84.0

132 95.1 66.1 122.7

130 90.5 66.7 123.9



Abundance Ion 95.00 (94.70 to 95.70): VU032048.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU032048.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU032048.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU032048.D (-1569) (-)

Time-->

6.10 6.15 6.20 6.25

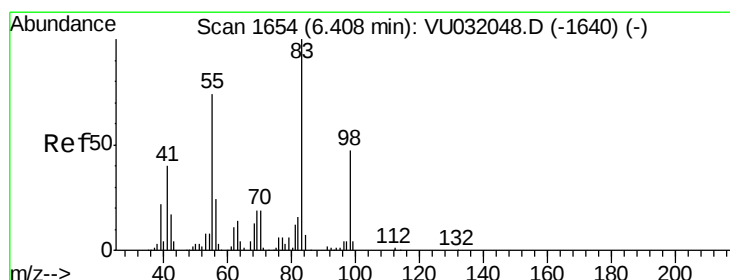
6.18

30000

20000

10000

0



#35

Methylcyclohexane

Concen: 1.619 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

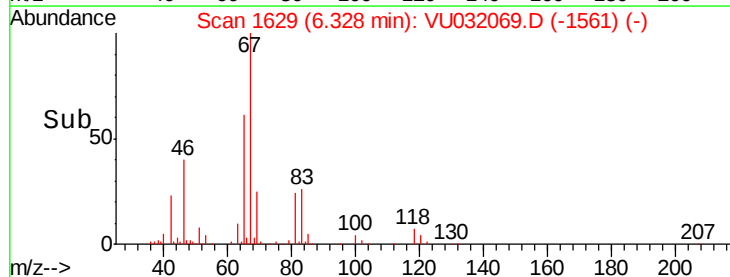
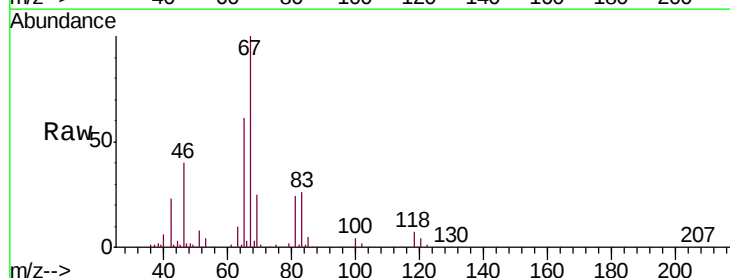
Tgt Ion: 83 Resp: 38725

Ion Ratio Lower Upper

83 100

55 0.2 59.7 89.5#

98 1.4 36.8 55.2#



Abundance Ion 83.15 (82.85 to 83.85): VU032048.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU032048.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU032048.D (-1640) (-)

Time-->

6.25 6.30 6.35 6.40

6.33

25000

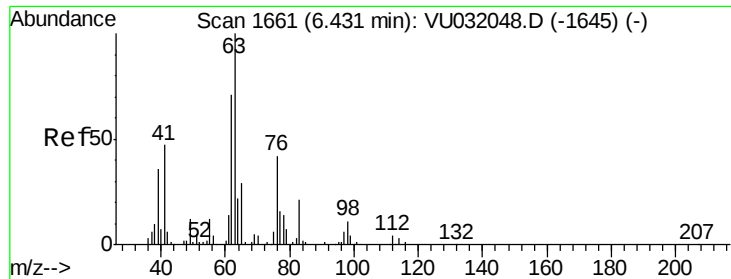
20000

15000

10000

5000

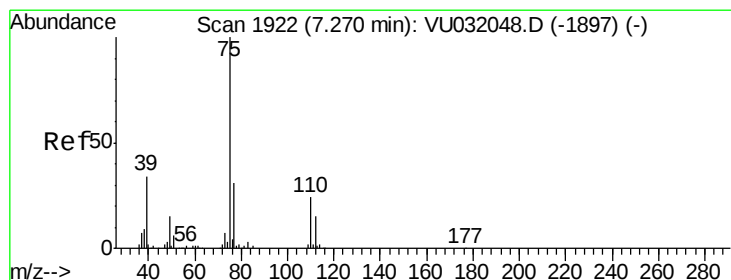
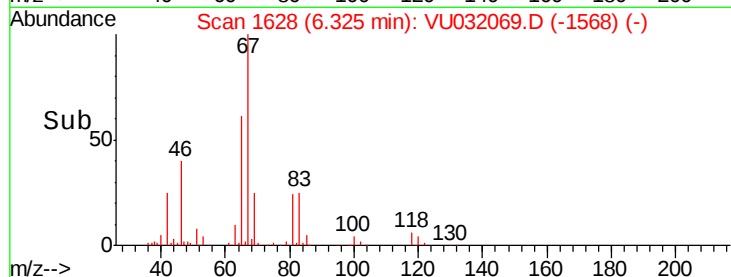
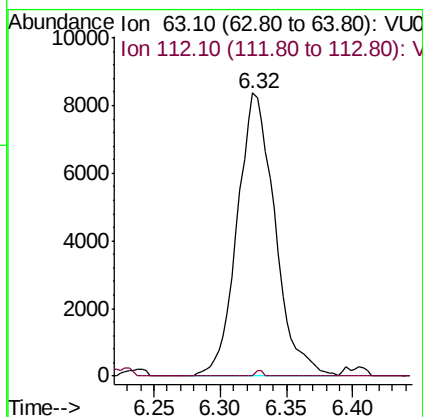
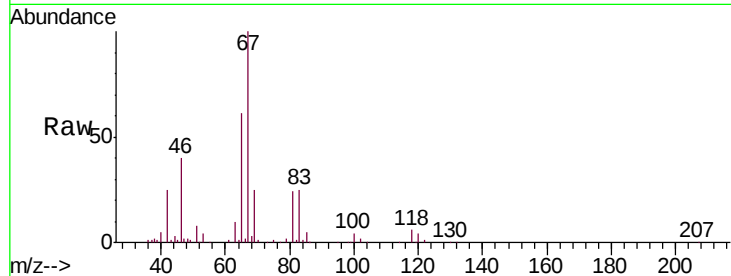
0



#37
 1,2-Dichloropropane
 Concen: 1.106 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.11 min
 Lab File: VU032069.D
 Acq: 16 May 2019 23:34

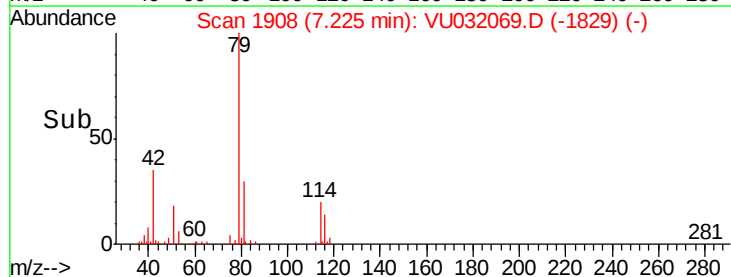
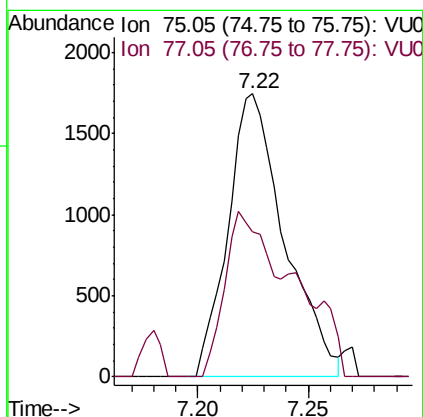
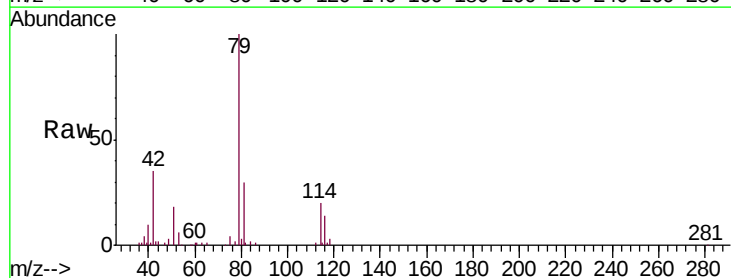
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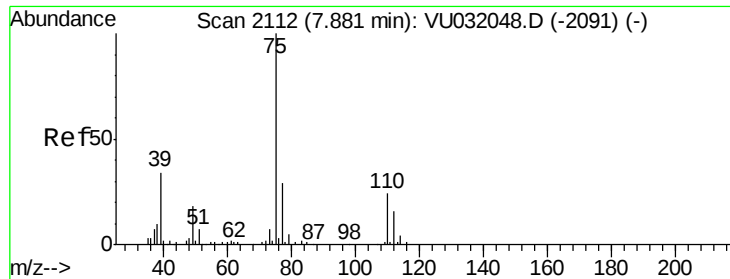
Tgt Ion: 63 Resp: 16563
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.151 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032069.D
 Acq: 16 May 2019 23:34

Tgt Ion: 75 Resp: 3116
 Ion Ratio Lower Upper
 75 100
 77 51.4 21.7 40.3#





#44

trans-1,3-Dichloropropene

Concen: 0.148 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

Instrument :

MSVOA_U

ClientSampleId :

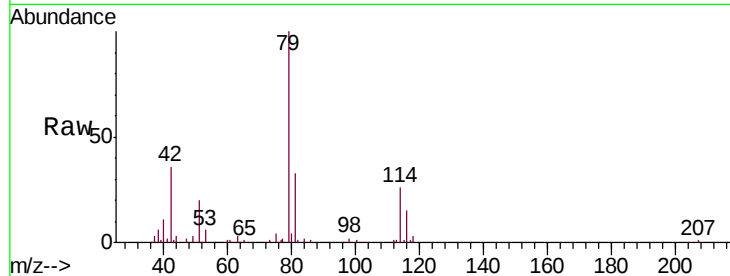
F9W11

Tgt Ion: 75 Resp: 2380

Ion Ratio Lower Upper

75 100

77 72.5 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

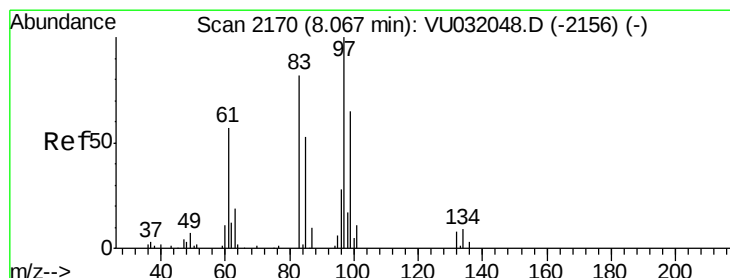
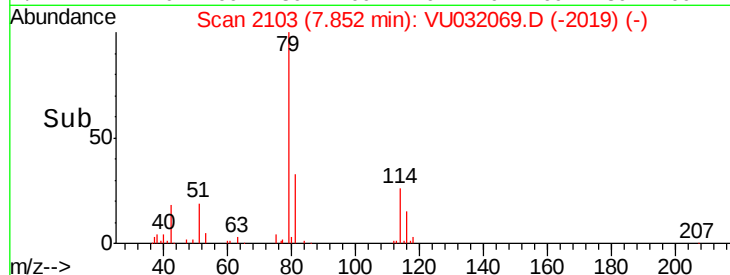
7.85

1000

500

0

Time--> 7.80 7.85 7.90



#45

1,1,2-Trichloroethane

Concen: 0.149 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. 0.15 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

Tgt Ion: 97 Resp: 1647

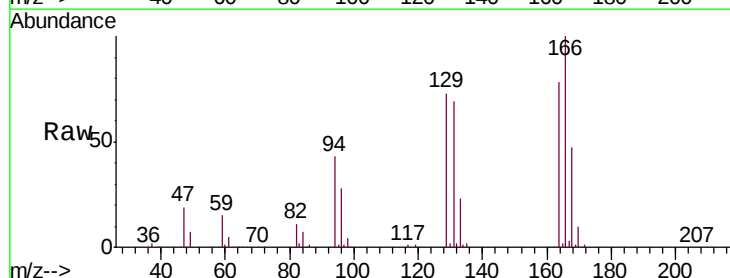
Ion Ratio Lower Upper

97 100

99 21.8 40.7 75.7#

83 281.4 59.6 110.8#

85 27.8 37.3 69.3#



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

4000

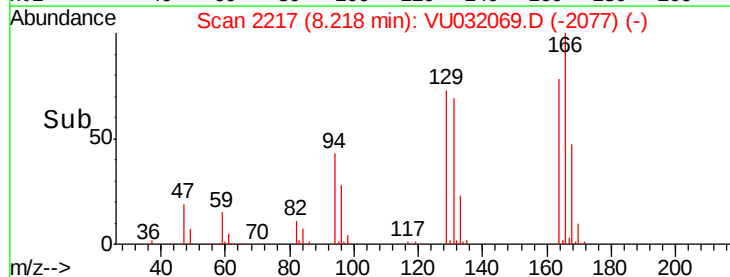
3000

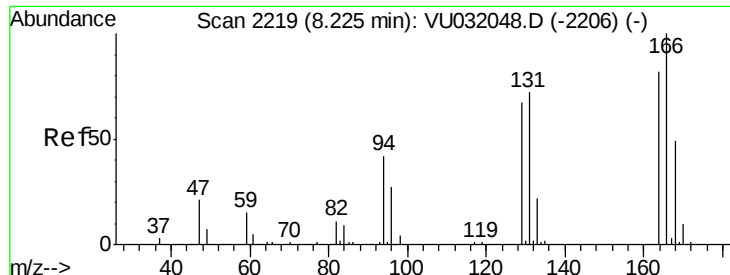
2000

1000

0

Time--> 8.20 8.25





#47

Tetrachloroethene

Concen: 18.716 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

Instrument :
MSVOA_U
ClientSampled :
F9W11

Tgt Ion:164 Resp: 232373

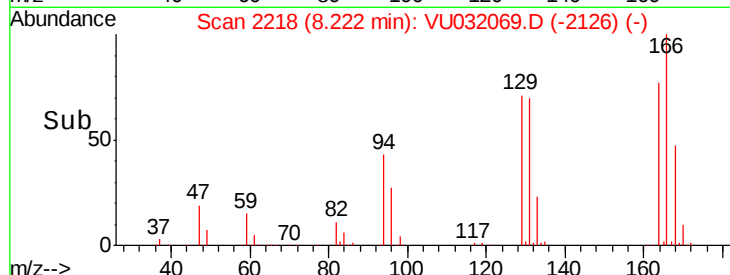
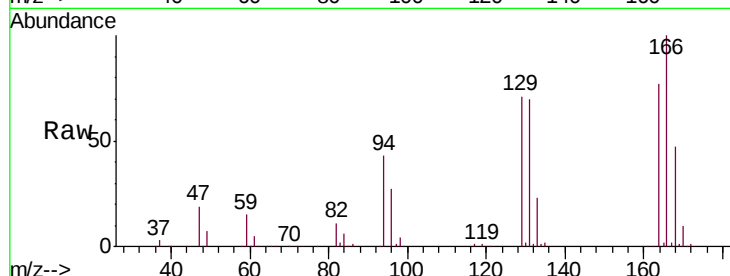
Ion Ratio Lower Upper

164 100

129 92.1 70.3 130.5

131 90.4 64.5 119.9

166 129.9 92.3 171.5

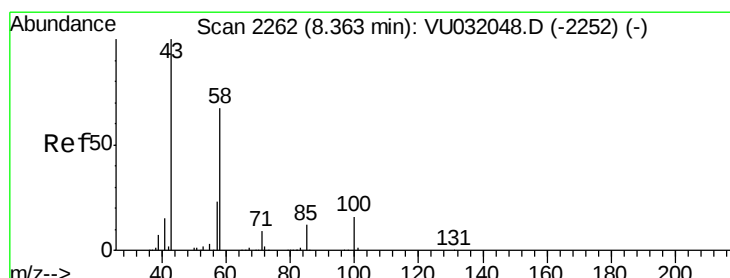
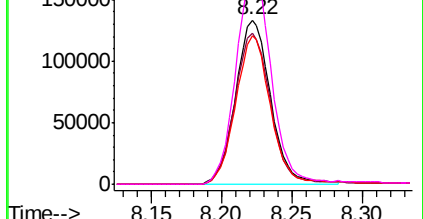


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.633 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

Tgt Ion: 43 Resp: 8792

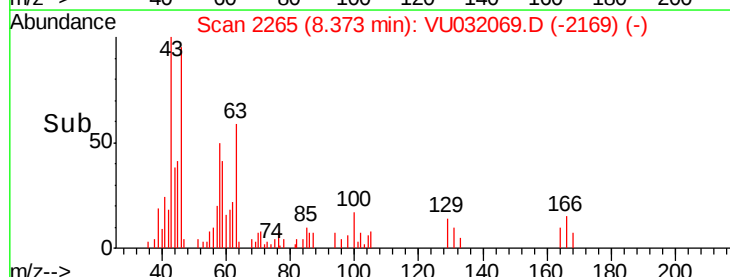
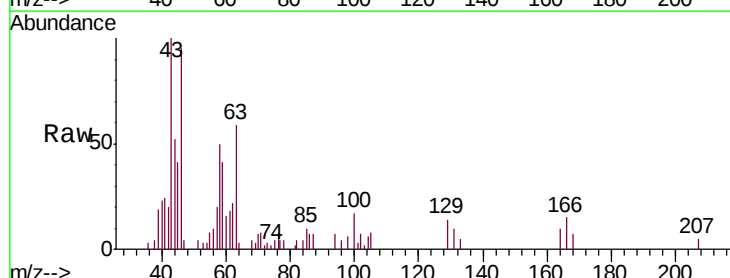
Ion Ratio Lower Upper

43 100

58 90.7 51.6 77.4#

57 12.4 18.4 27.6#

100 8.3 12.2 18.4#

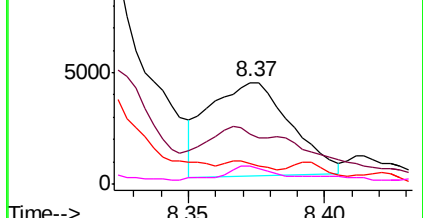


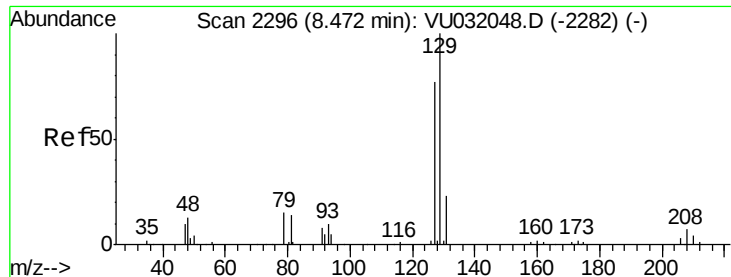
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 16.911 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032069.D

Acq: 16 May 2019 23:34

Instrument :

MSVOA_U

ClientSampleId :

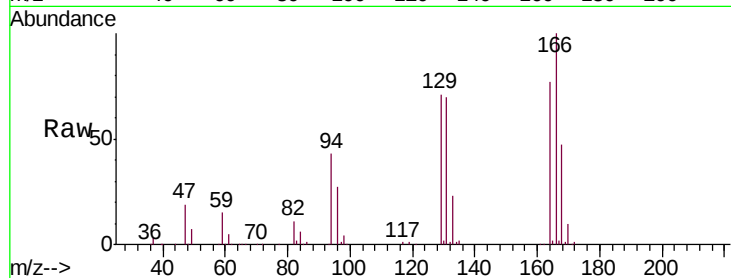
F9W11

Tgt Ion:129 Resp: 215531

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

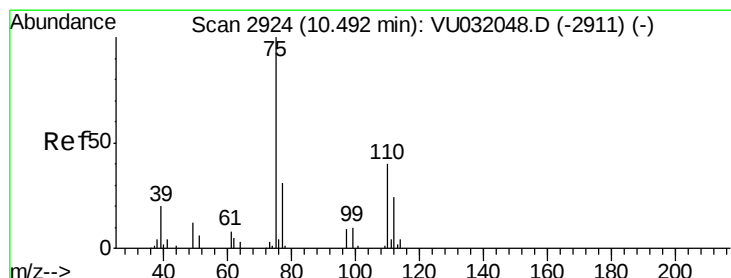
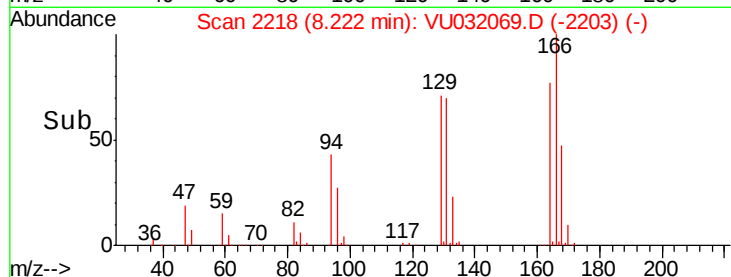
8.22

100000

50000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.825 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032069.D

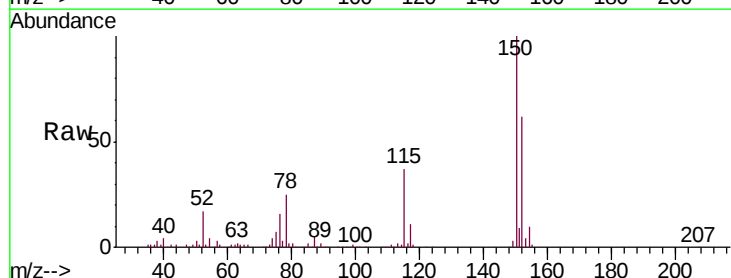
Acq: 16 May 2019 23:34

Tgt Ion: 75 Resp: 17355

Ion Ratio Lower Upper

75 100

77 36.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

12000

10000

8000

6000

4000

2000

0

Time-->

