

Data File : VU032592.D
Acq On : 11 Jun 2019 01:46
Operator : JC/SP
Sample : K3278-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8D3

Quant Time: Jun 11 05:45:16 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	183968	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	171864	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	86187	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58263	48.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.62%
7) Chloroethane-d5	1.68	69	48118	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.34%
11) 1,1-Dichloroethene-d2	2.27	63	87947	37.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.26%
21) 2-Butanone-d5	4.17	46	99732	99.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.85%
24) Chloroform-d	4.64	84	112847	50.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.38%
26) 1,2-Dichloroethane-d4	5.30	65	74219	52.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.86%
32) Benzene-d6	5.33	84	232052	52.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.02%
36) 1,2-Dichloropropane-d6	6.32	67	72280	51.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.32%
41) Toluene-d8	7.56	98	215092	50.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.68%
43) trans-1,3-Dichloropropene-	7.85	79	31440	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
47) 2-Hexanone-d5	8.31	63	63282	93.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.25%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	102907	50.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.52%
64) 1,2-Dichlorobenzene-d4	11.85	152	87699	53.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.26%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	751	0.668 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	770	0.705 ug/L #	1
13) Acetone	2.32	43	2640	2.562 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	24280	18.136 ug/L	100
27) 1,2-Dichloroethane	5.33	62	1295	0.736 ug/L #	75
34) Trichloroethene	6.18	95	653863	497.709 ug/L	97
37) 1,2-Dichloropropane	6.32	63	8187	6.396 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2195	1.087 ug/L #	73
40) 4-Methyl-2-pentanone	7.56	43	976	0.474 ug/L #	1
42) Toluene	7.64	91	2057	0.389 ug/L	86
44) trans-1,3-Dichloropropene	7.84	75	1528	0.852 ug/L	100
46) Tetrachloroethene	8.23	164	1224	1.128 ug/L	90
48) 2-Hexanone	8.36	43	4946	2.924 ug/L #	76
49) Dibromochloromethane	8.23	129	1068	0.759 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	10067	6.050 ug/L	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061019\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:38:55 2019
Response via : Initial Calibration

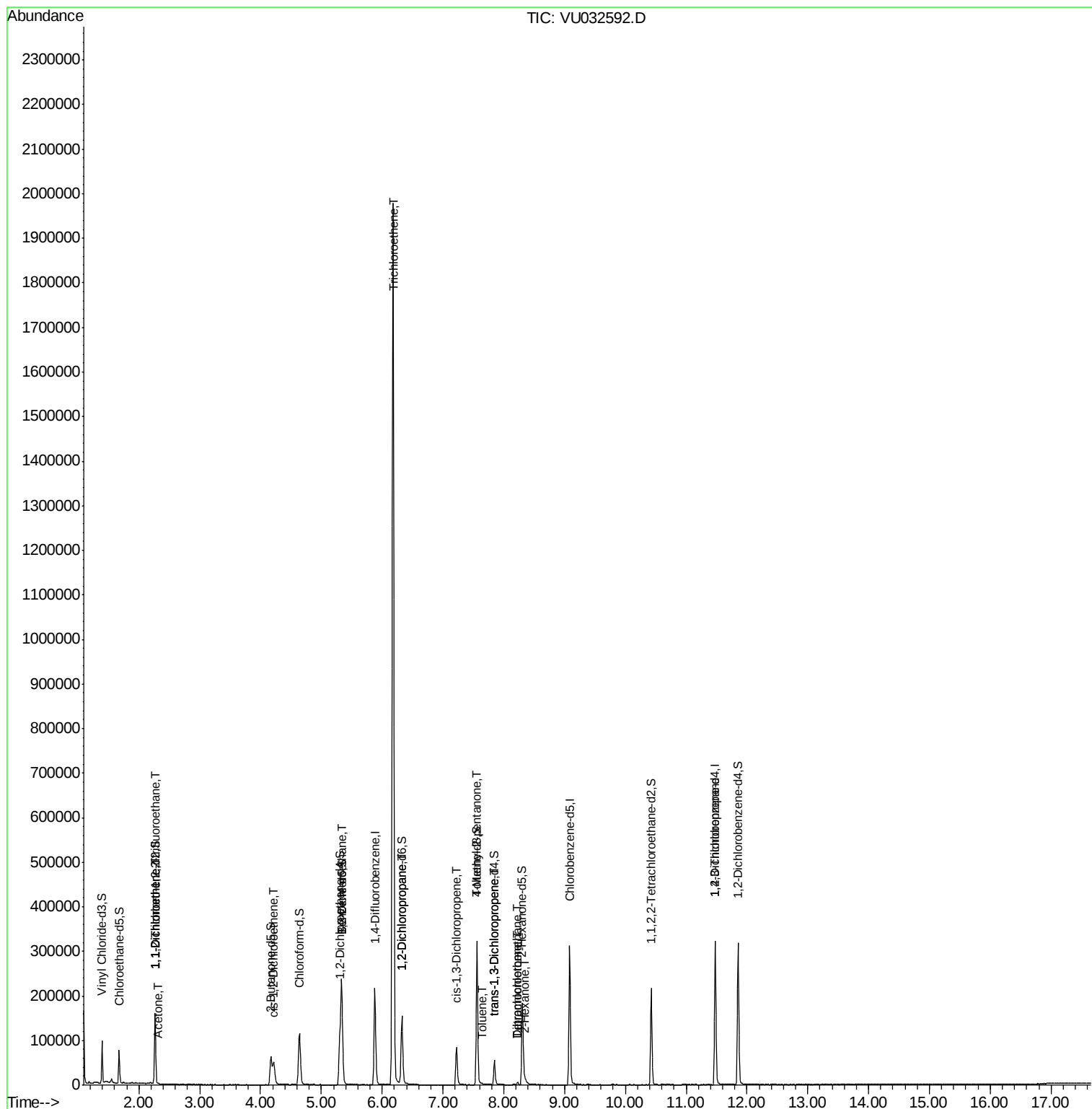
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

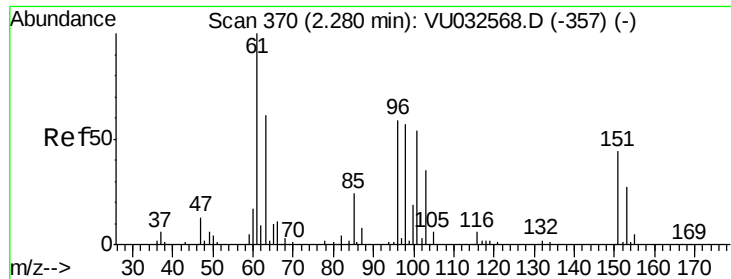
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

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

Concen: 0.668 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032592.D

Acq: 11 Jun 2019 01:46

Instrument :

MSVOA_U

ClientSampleId :

DB8D3

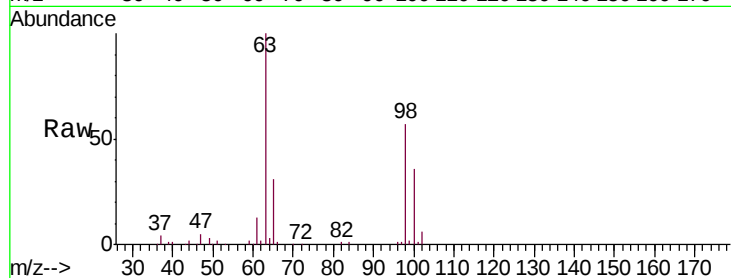
Tgt Ion:101 Resp: 751

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

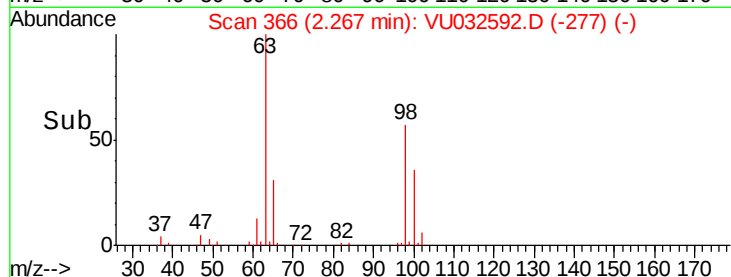
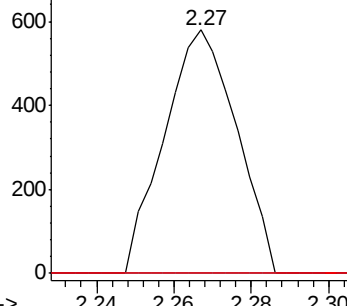
151 0.0 63.0 94.4#



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: 0.705 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032592.D

Acq: 11 Jun 2019 01:46

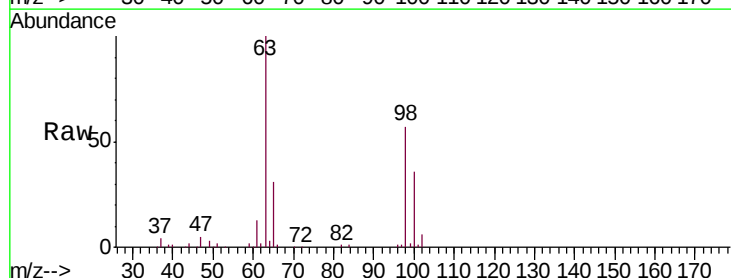
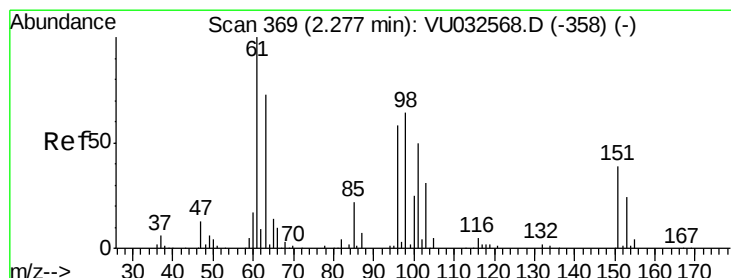
Tgt Ion: 96 Resp: 770

Ion Ratio Lower Upper

96 100

61 1558.1 129.5 240.5#

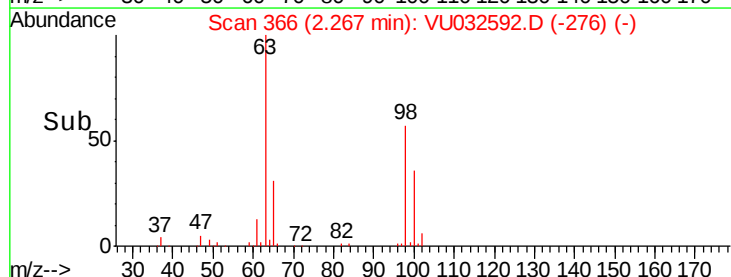
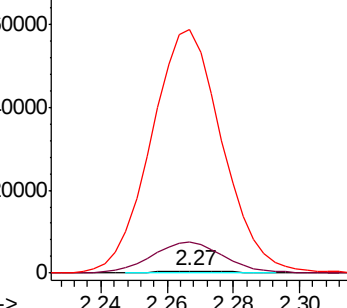
63 12184.2 103.4 192.0#

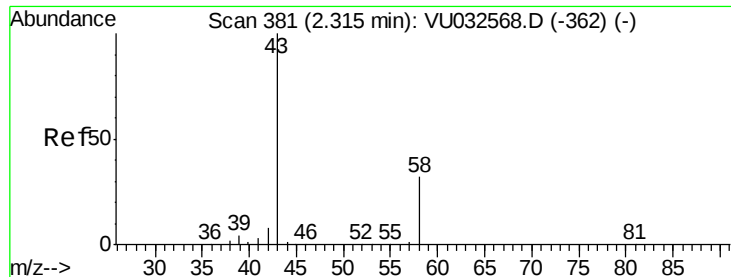


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.562 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032592.D

Acq: 11 Jun 2019 01:46

Instrument :

MSVOA_U

ClientSampleId :

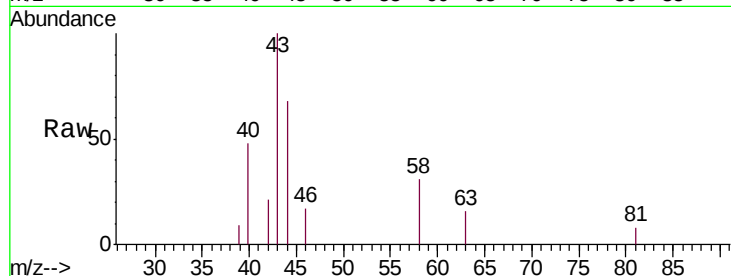
DB8D3

Tgt Ion: 43 Resp: 2640

Ion Ratio Lower Upper

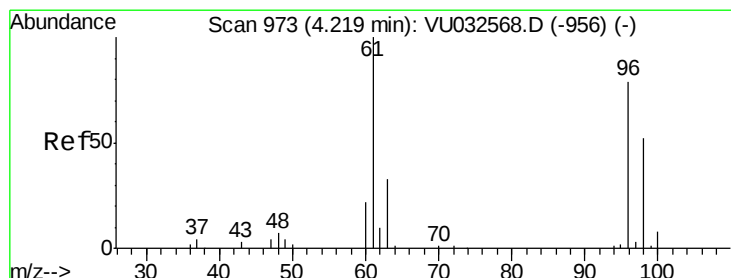
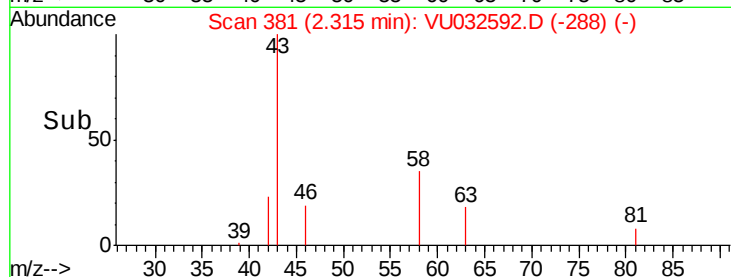
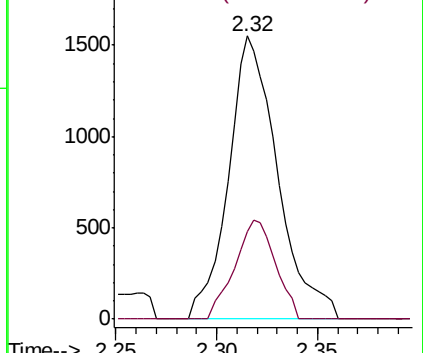
43 100

58 29.1 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) (-)



#20

cis-1,2-Dichloroethene

Concen: 18.136 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032592.D

Acq: 11 Jun 2019 01:46

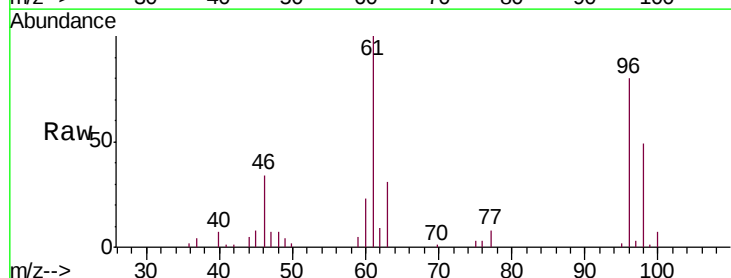
Tgt Ion: 96 Resp: 24280

Ion Ratio Lower Upper

96 100

61 124.4 87.2 162.0

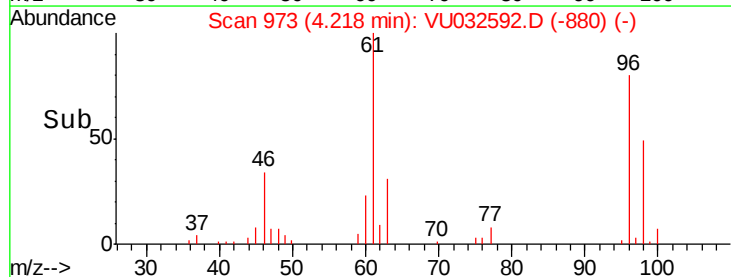
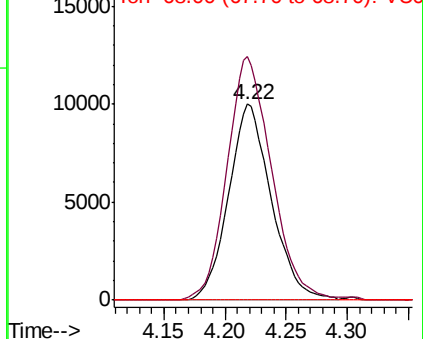
68 0.0 0.0 0.0

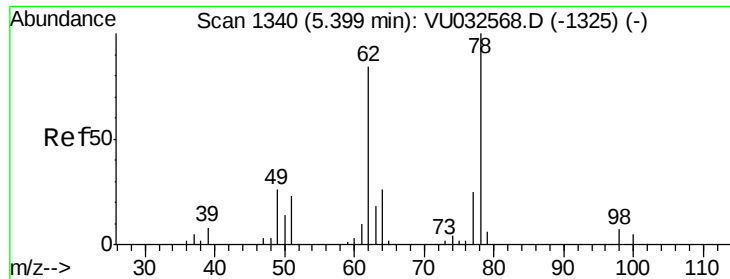


Abundance Ion 96.00 (95.70 to 96.70): VU032568.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032568.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032568.D (-956) (-)





#27

1,2-Dichloroethane

Concen: 0.736 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032592.D

Acq: 11 Jun 2019 01:46

Instrument :

MSVOA_U

ClientSampleId :

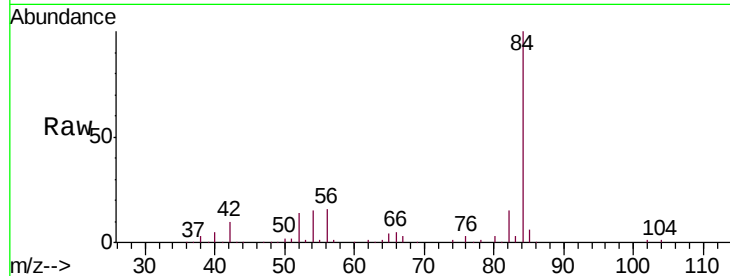
DB8D3

Tgt Ion: 62 Resp: 1295

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

600

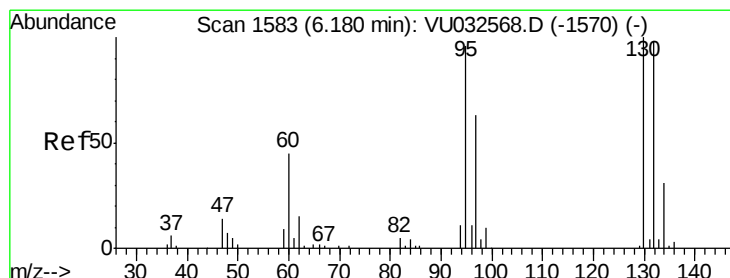
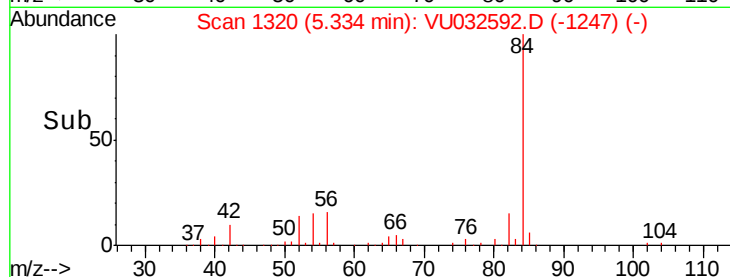
400

200

0

5.30 5.35

Time-->



#34

Trichloroethene

Concen: 497.709 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032592.D

Acq: 11 Jun 2019 01:46

Tgt Ion: 95 Resp: 653863

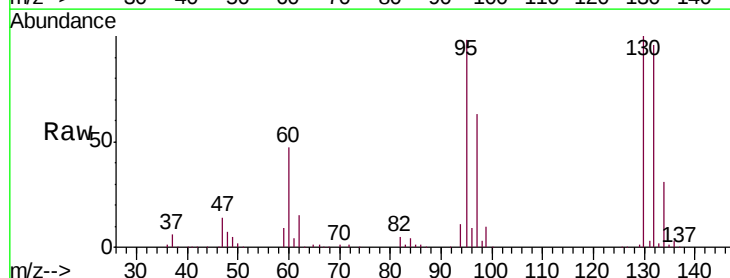
Ion Ratio Lower Upper

95 100

97 64.4 45.8 85.2

132 97.7 71.0 131.8

130 101.6 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) (-)

500000

400000

300000

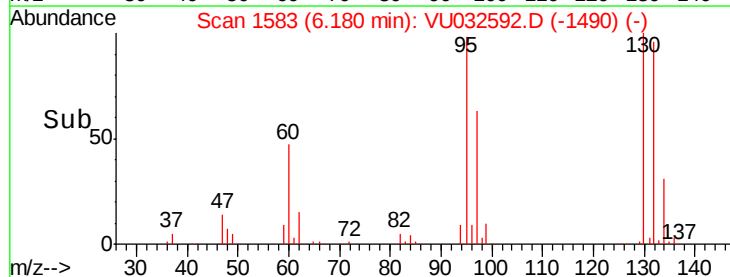
200000

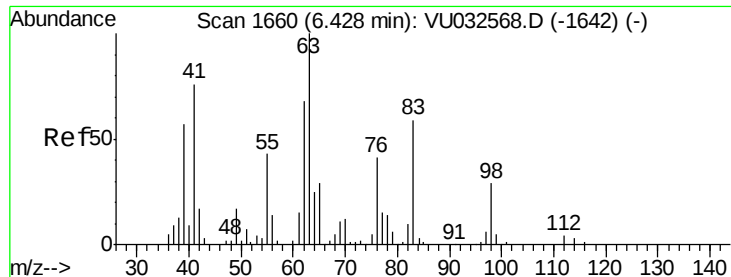
100000

0

6.10 6.15 6.20 6.25

Time-->





#37

1,2-Dichloropropane

Concen: 6.396 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032592.D

Acq: 11 Jun 2019 01:46

Instrument :

MSVOA_U

ClientSampleId :

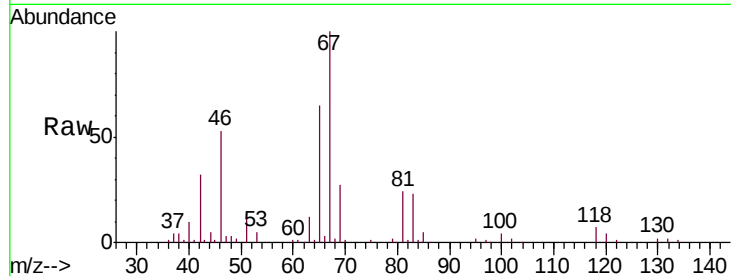
DB8D3

Tgt Ion: 63 Resp: 8187

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU032568.D (-1642) (-)

Ion 112.00 (111.70 to 112.70): VU032568.D (-1642) (-)

6.32

4000

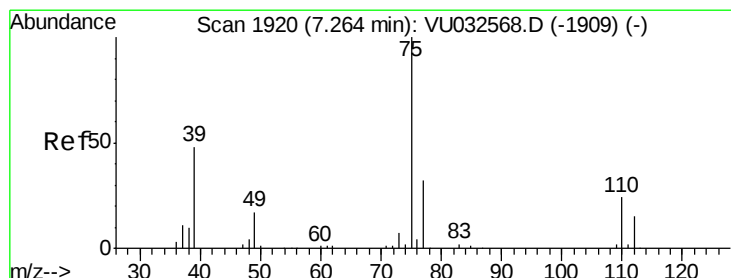
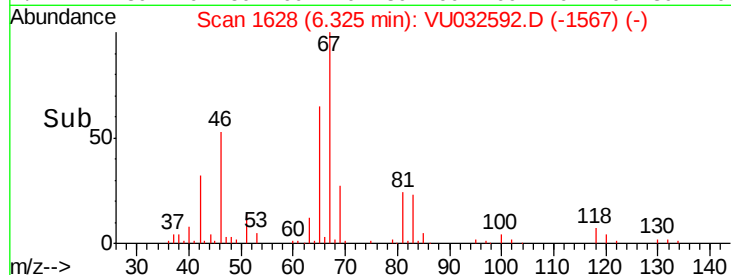
3000

2000

1000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.087 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032592.D

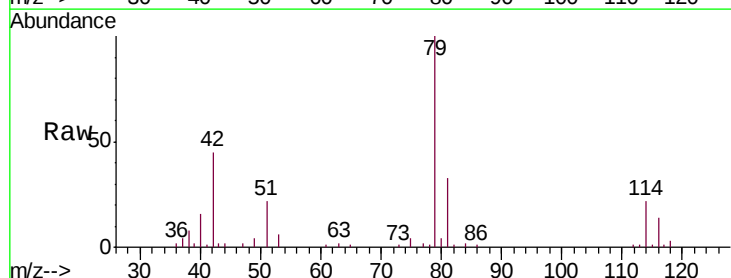
Acq: 11 Jun 2019 01:46

Tgt Ion: 75 Resp: 2195

Ion Ratio Lower Upper

75 100

77 46.3 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU032568.D (-1909) (-)

Ion 77.00 (76.70 to 77.70): VU032568.D (-1909) (-)

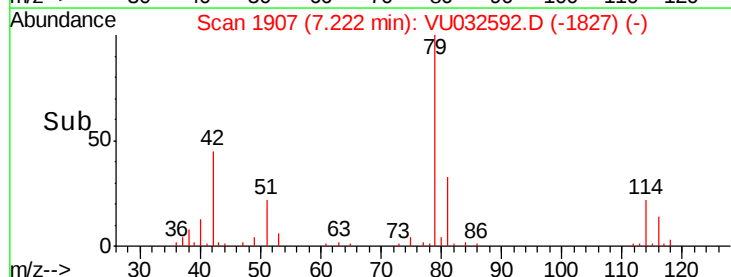
7.22

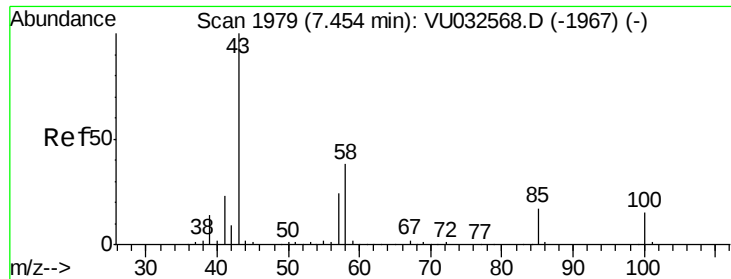
1000

500

0

Time-->

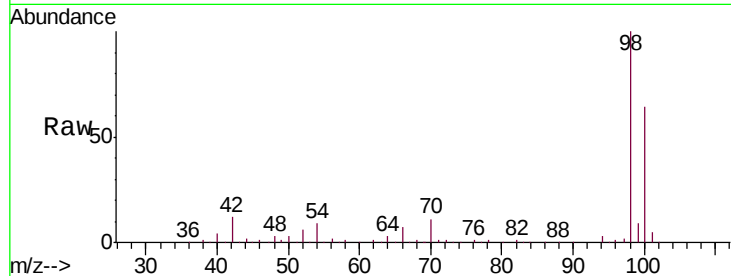




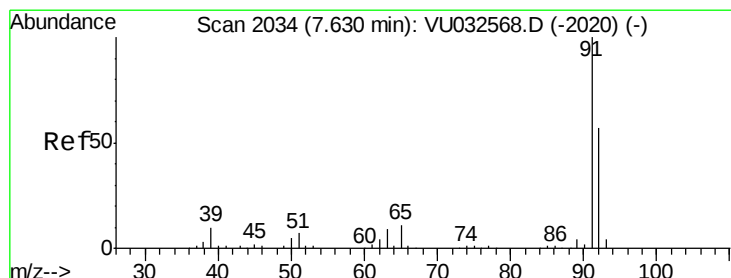
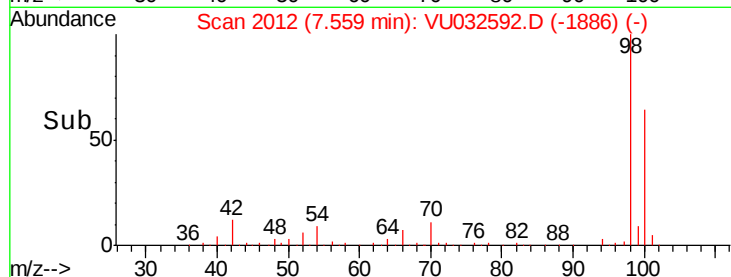
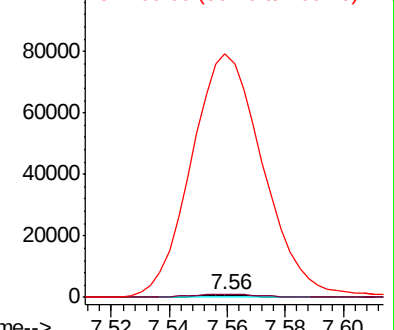
#40
4-Methyl-2-pentanone
Concen: 0.474 ug/L
RT: 7.56 min Scan# 2012
Delta R.T. 0.11 min
Lab File: VU032592.D
Acq: 11 Jun 2019 01:46

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DB8D3

Tgt Ion: 43 Resp: 976
Ion Ratio Lower Upper
43 100
58 174.9 30.8 46.2#
100 14161.8 12.1 18.1#

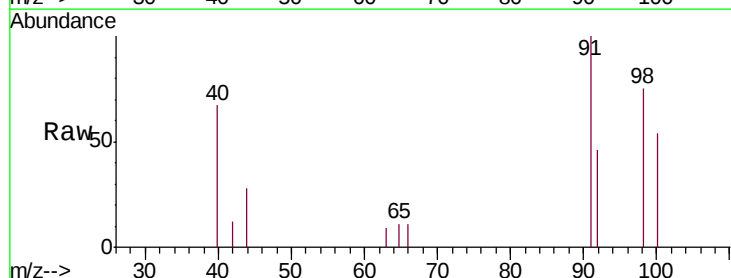


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

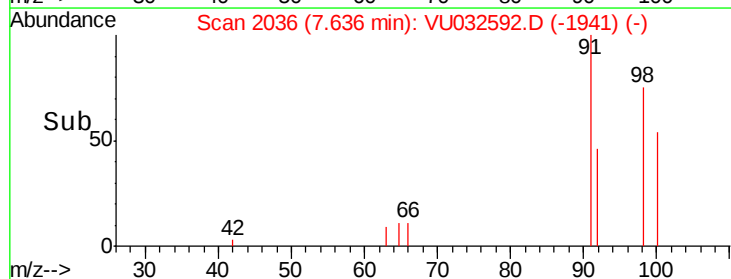
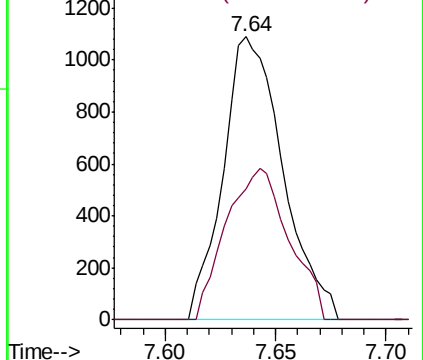


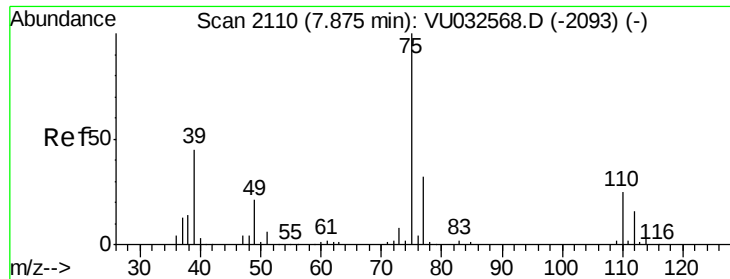
#42
Toluene
Concen: 0.389 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VU032592.D
Acq: 11 Jun 2019 01:46

Tgt Ion: 91 Resp: 2057
Ion Ratio Lower Upper
91 100
92 46.2 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.852 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032592.D

Acq: 11 Jun 2019 01:46

Instrument :

MSVOA_U

ClientSampled :

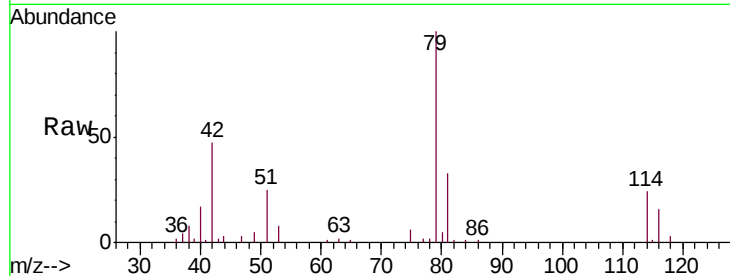
DB8D3

Tgt Ion: 75 Resp: 1528

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032568.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032568.D (-2093) (-)

7.84

1000

800

600

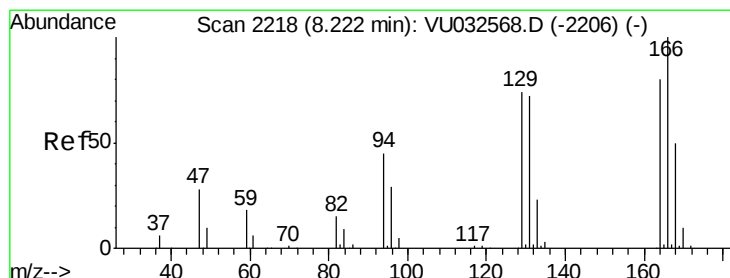
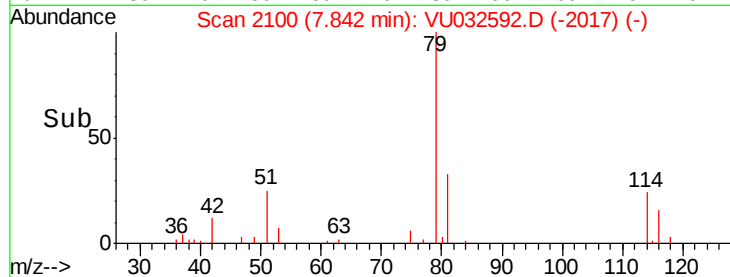
400

200

0

7.80 7.85 7.90

Time-->



#46

Tetrachloroethene

Concen: 1.128 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU032592.D

Acq: 11 Jun 2019 01:46

Tgt Ion: 164 Resp: 1224

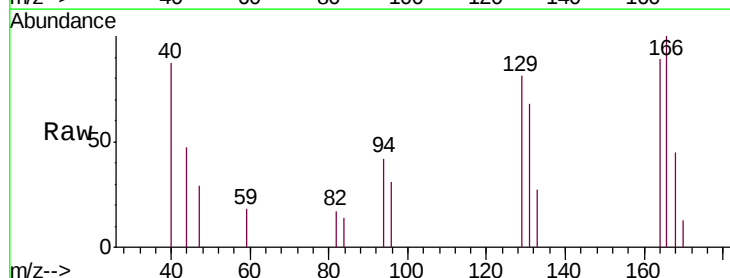
Ion Ratio Lower Upper

164 100

129 91.8 65.3 121.3

131 76.2 64.0 119.0

166 112.8 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): VU032568.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU032568.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU032568.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU032568.D (-2206) (-)

1200

1000

800

600

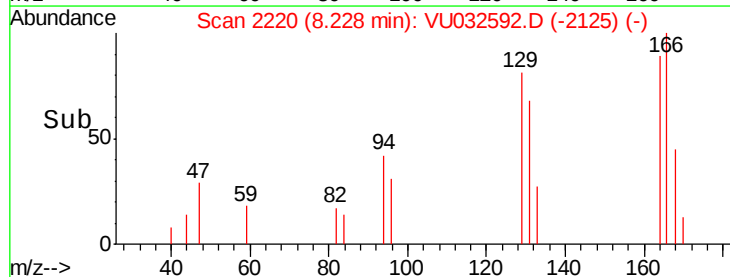
400

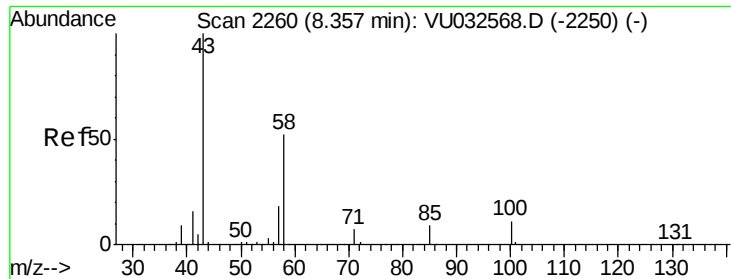
200

0

8.18 8.20 8.22 8.24 8.26

Time-->

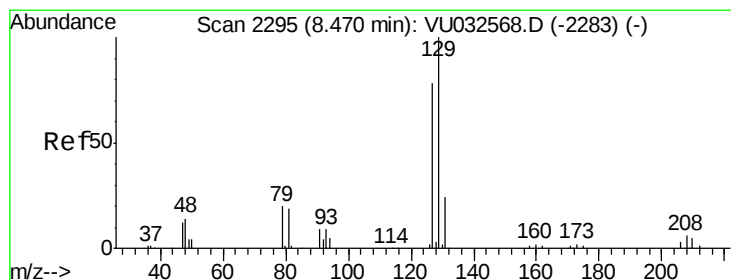
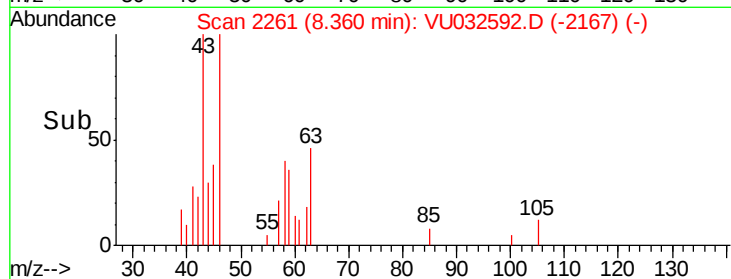
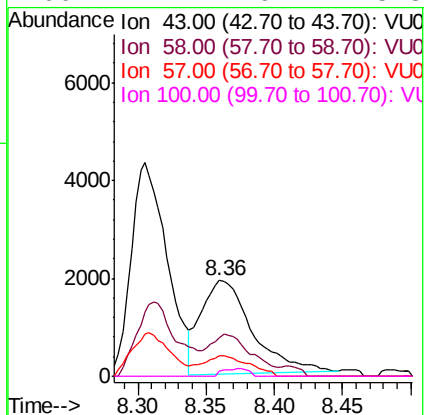
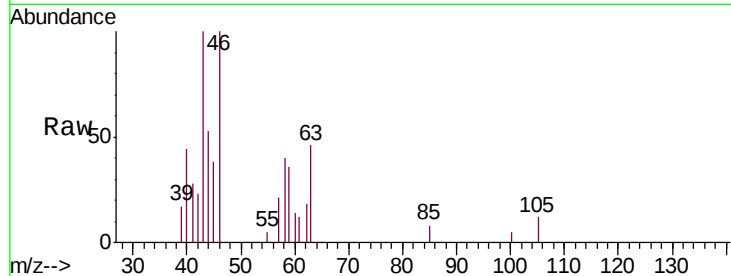




#48
2-Hexanone
Concen: 2.924 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032592.D
Acq: 11 Jun 2019 01:46

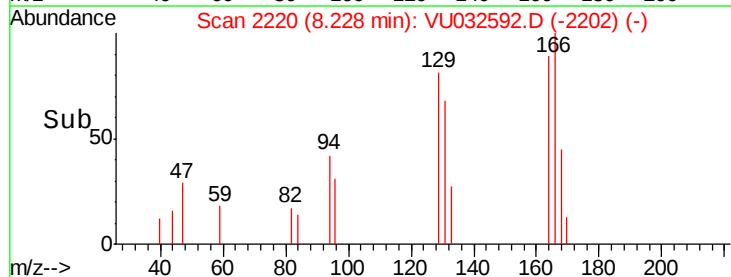
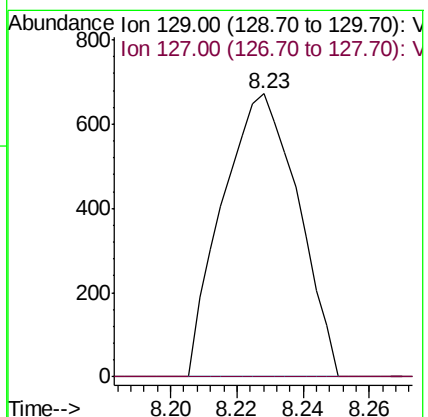
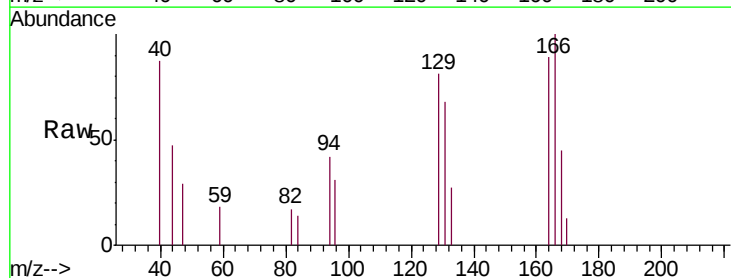
Instrument :
MSVOA_U
ClientSampleId :
DB8D3

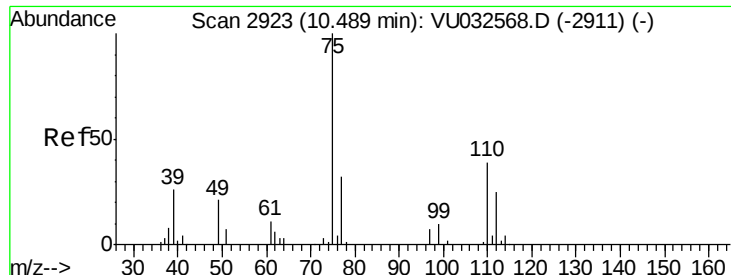
Tgt Ion: 43 Resp: 4946
Ion Ratio Lower Upper
43 100
58 36.9 42.0 63.0#
57 4.8 14.6 22.0#
100 4.1 9.2 13.8#



#49
Dibromochloromethane
Concen: 0.759 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. -0.24 min
Lab File: VU032592.D
Acq: 11 Jun 2019 01:46

Tgt Ion: 129 Resp: 1068
Ion Ratio Lower Upper
129 100
127 0.0 53.6 99.6#





#59
 1,2,3-Trichloropropane
 Concen: 6.050 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032592.D
 Acq: 11 Jun 2019 01:46

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8D3

Tgt Ion: 75 Resp: 10067
 Ion Ratio Lower Upper
 75 100
 77 37.8 25.6 38.4

