

Data File : VU035346.D
Acq On : 22 Oct 2019 01:52
Operator : JC/SP
Sample : K5458-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0K31

Quant Time: Oct 22 06:45:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	268009	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	269360	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	92259	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	111423	6.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	136.40%#
7) Chloroethane-d5	1.93	69	101771	6.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	136.20%#
11) 1,1-Dichloroethene-d2	2.60	63	189637	6.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	125.60%#
20) 2-Butanone-d5	4.70	46	256554	54.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.26%
24) Chloroform-d	5.11	84	187894	6.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.80%#
26) 1,2-Dichloroethane-d4	5.75	65	103054	6.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.60%
32) Benzene-d6	5.77	84	384139	6.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.80%
36) 1,2-Dichloropropane-d6	6.74	67	120303	6.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	123.00%
41) Toluene-d8	7.93	98	337798	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
43) trans-1,3-Dichloropropene-	8.22	79	45132	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.69	63	202177	48.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.60%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	97295	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	101254	6.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.60%#

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	3702	0.164 ug/L	98
12) 1,1-Dichloroethene	2.61	96	59954	3.482 ug/L #	78
13) Acetone	2.67	43	5989	1.833 ug/L	93
16) Methylene chloride	3.08	84	2130	0.103 ug/L	96
19) 1,1-Dichloroethane	3.92	63	9163	0.273 ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	61847	3.011 ug/L	98
25) Chloroform	5.14	83	7696	0.209 ug/L	89
29) 1,1,1-Trichloroethane	5.36	97	9040	0.287 ug/L	98
31) Carbon tetrachloride	5.57	117	3673	0.129 ug/L	93
34) Trichloroethene	6.58	95	247600	11.620 ug/L	95
35) Methylcyclohexane	6.74	83	28877	0.811 ug/L #	19
39) cis-1,3-Dichloropropene	7.60	75	3334	0.099 ug/L #	52
47) Tetrachloroethene	8.58	164	216636	12.204 ug/L	98
48) 2-Hexanone	8.74	43	10372	1.089 ug/L #	83
49) Dibromochloromethane	8.58	129	190894	10.081 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	11915	0.850 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

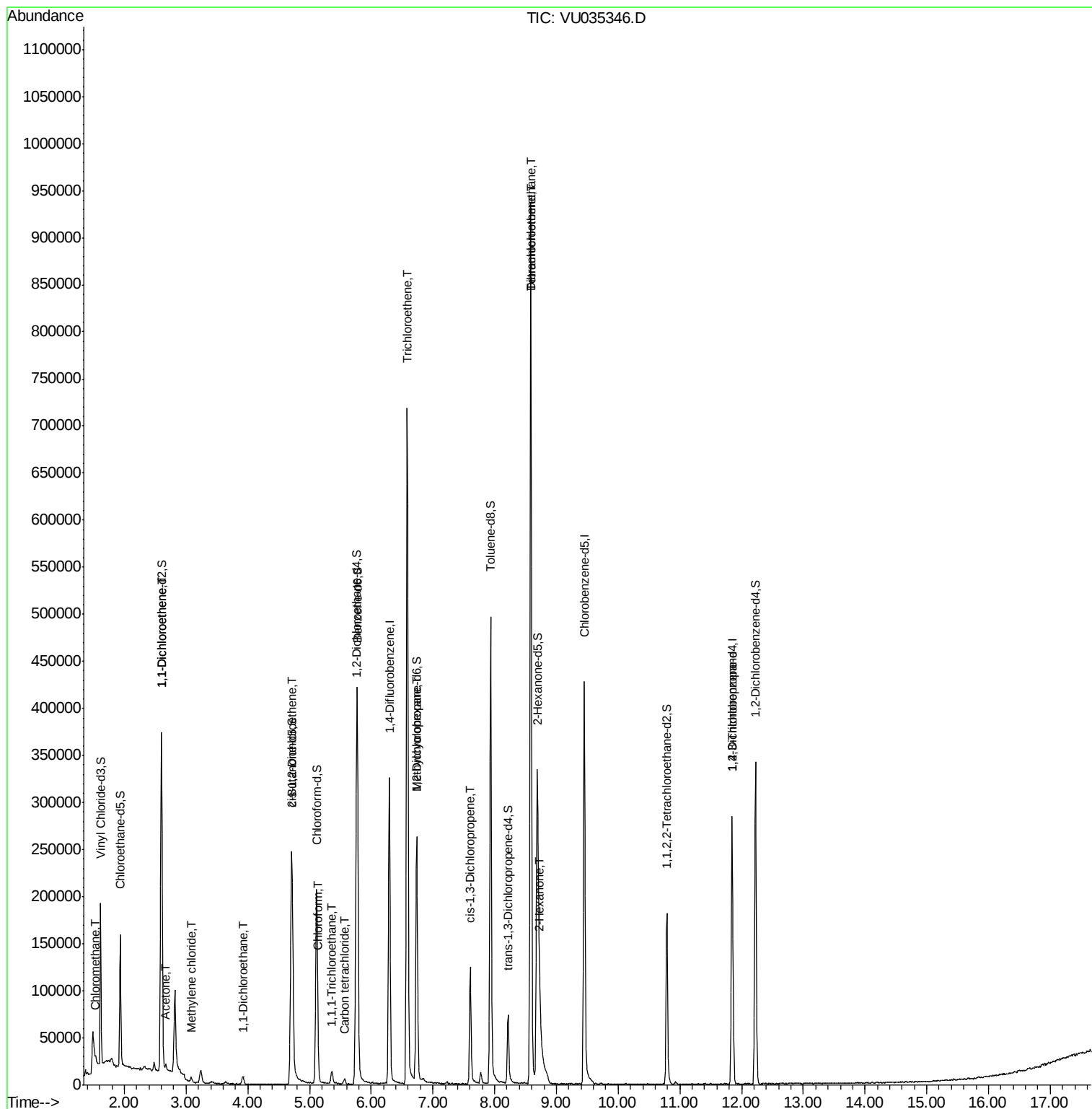
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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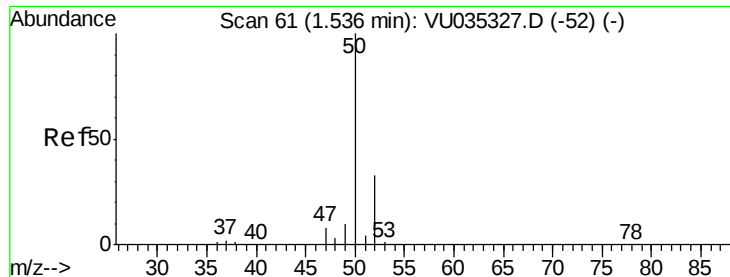
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.164 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

Instrument :

MSVOA_U

ClientSampleId :

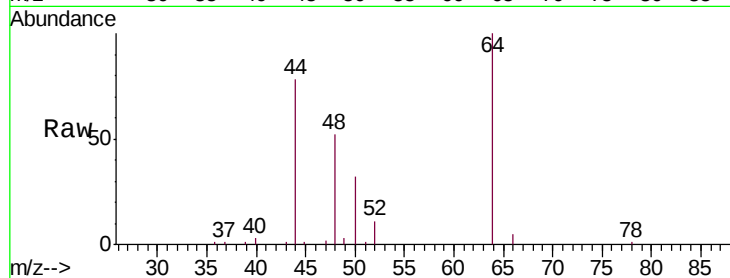
C0K31

Tgt Ion: 50 Resp: 3702

Ion Ratio Lower Upper

50 100

52 34.9 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035327.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035327.D (-52) (-)

1.54

3000

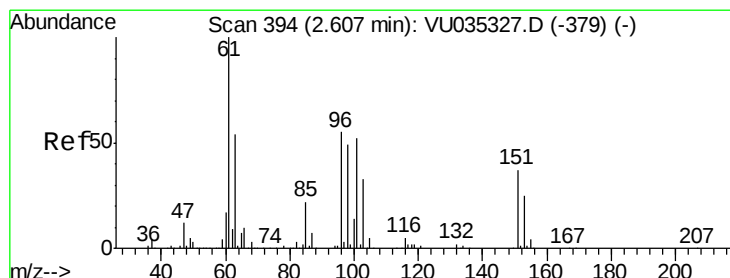
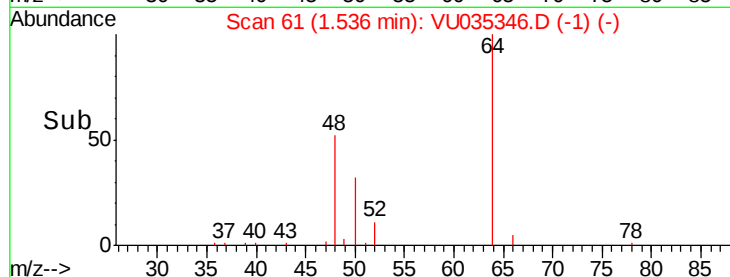
2000

1000

0

1.50 1.52 1.54 1.56

Time-->



#12

1,1-Dichloroethene

Concen: 3.482 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

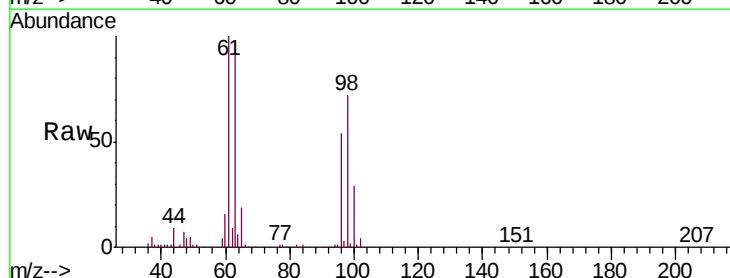
Tgt Ion: 96 Resp: 59954

Ion Ratio Lower Upper

96 100

61 183.7 120.6 224.0

63 171.4 86.8 161.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035327.D (-379) (-)

Ion 61.05 (60.75 to 61.75): VU035327.D (-379) (-)

Ion 63.00 (62.70 to 63.70): VU035327.D (-379) (-)

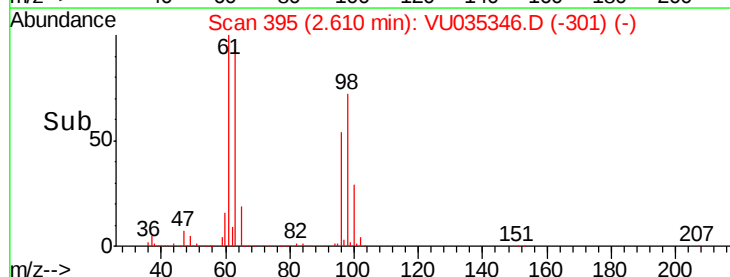
100000

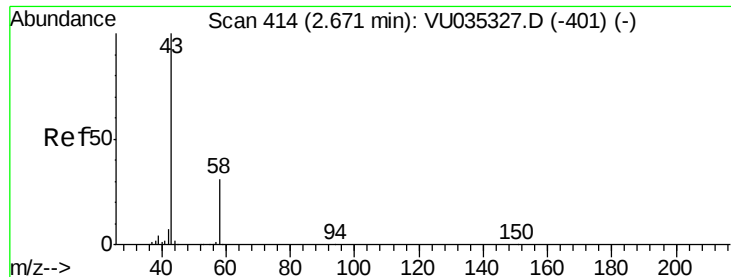
50000

0

2.55 2.60 2.65 2.70

Time-->





#13

Acetone

Concen: 1.833 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

Instrument :

MSVOA_U

ClientSampled :

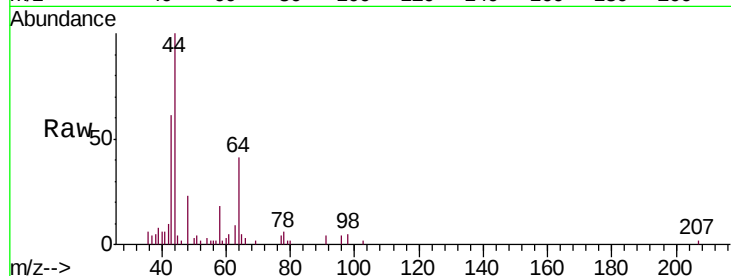
C0K31

Tgt Ion: 43 Resp: 5989

Ion Ratio Lower Upper

43 100

58 34.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035327.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU035327.D (-401) (-)

2.67

4000

3000

2000

1000

0

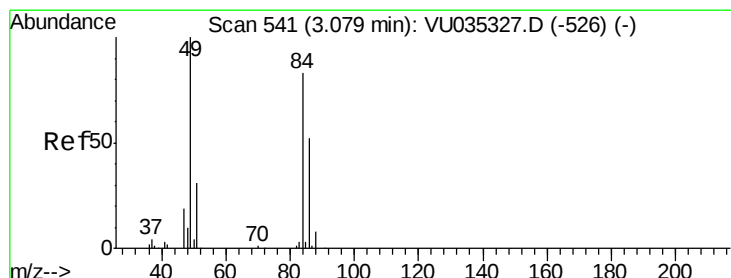
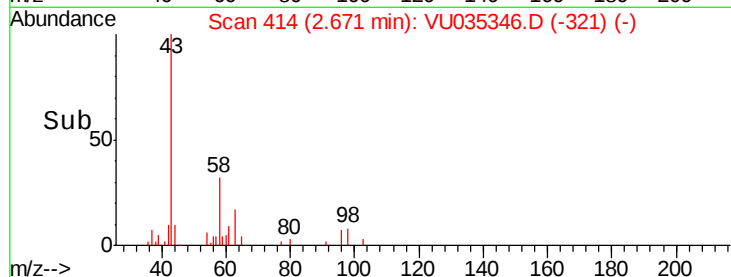
Time-->

2.60

2.65

2.70

2.75



#16

Methylene chloride

Concen: 0.103 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

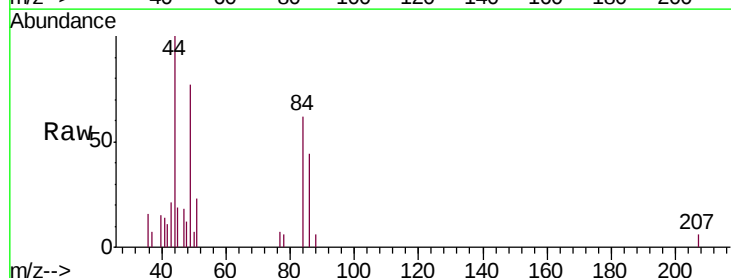
Tgt Ion: 84 Resp: 2130

Ion Ratio Lower Upper

84 100

86 71.8 45.4 84.2

49 124.9 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU035327.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035327.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035327.D (-526) (-)

1500

1000

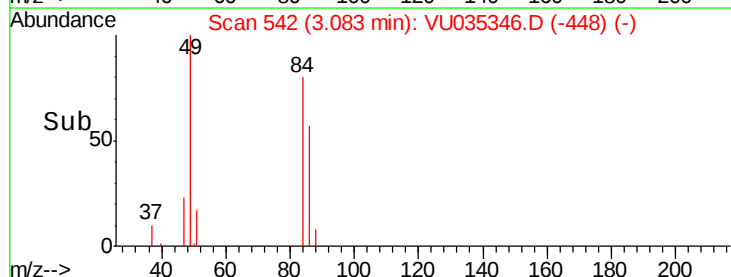
500

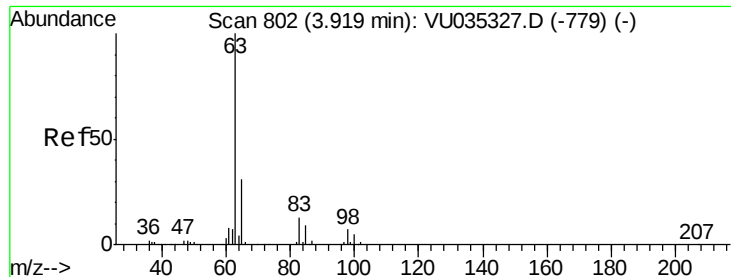
0

Time-->

3.05

3.10





#19

1,1-Dichloroethane

Concen: 0.273 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

Instrument :

MSVOA_U

ClientSampleId :

C0K31

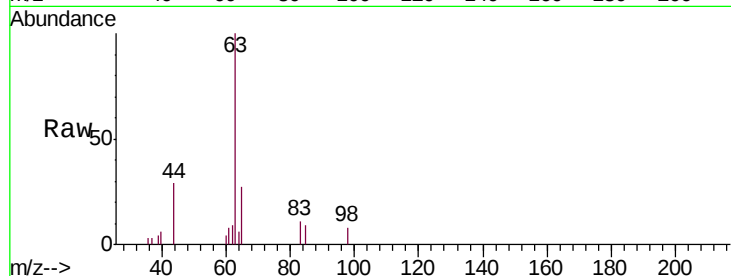
Tgt Ion: 63 Resp: 9163

Ion Ratio Lower Upper

63 100

65 27.1 22.4 41.6

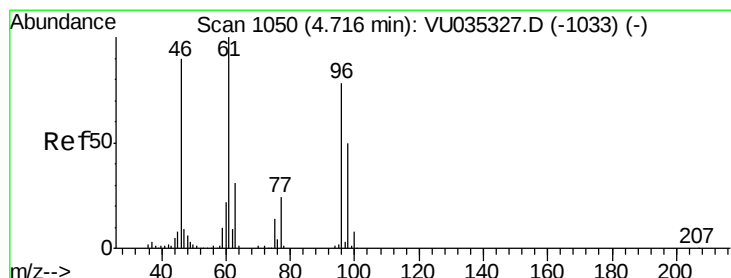
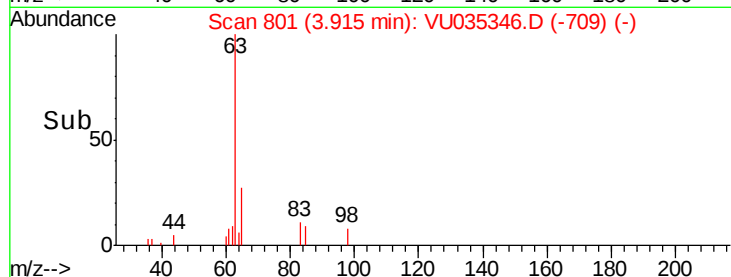
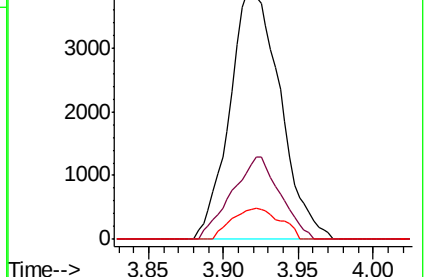
83 11.5 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035327.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU035327.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU035327.D (-779) (-)



#22

cis-1,2-Dichloroethene

Concen: 3.011 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

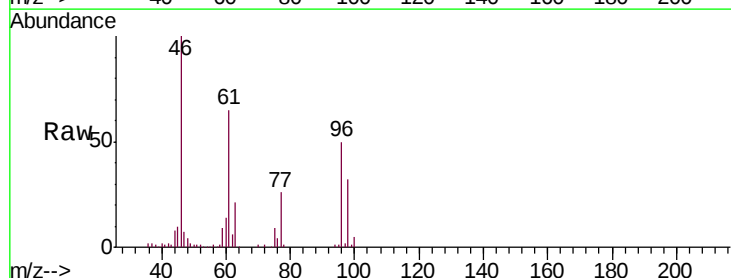
Tgt Ion: 96 Resp: 61847

Ion Ratio Lower Upper

96 100

61 130.0 89.7 166.5

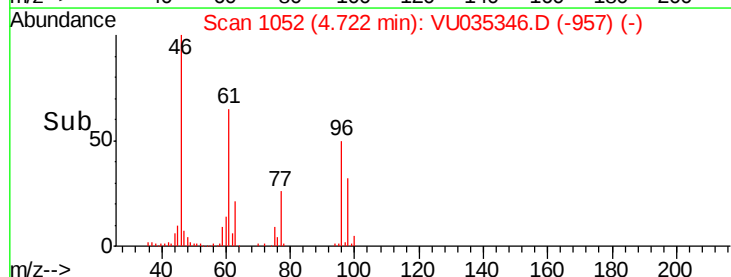
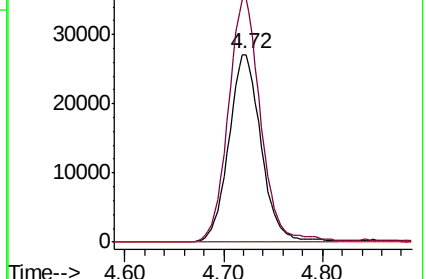
68 0.0 0.0 0.0

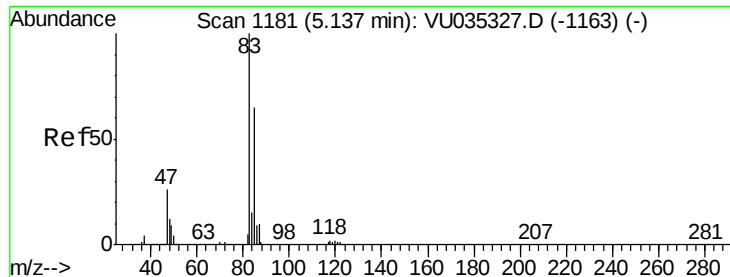


Abundance Ion 96.00 (95.70 to 96.70): VU035327.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU035327.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU035327.D (-1033) (-)





#25

Chloroform

Concen: 0.209 ug/L

RT: 5.14 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

Instrument :

MSVOA_U

ClientSampleId :

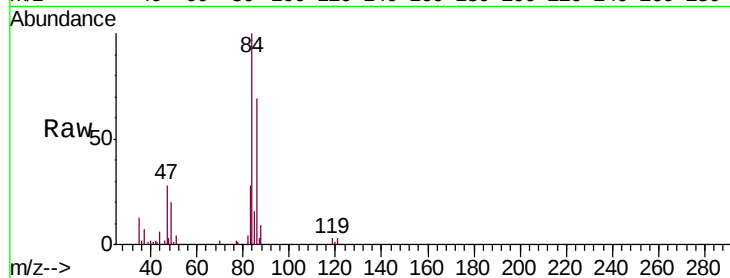
C0K31

Tgt Ion: 83 Resp: 7696

Ion Ratio Lower Upper

83 100

85 56.2 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035327.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU035327.D (-1163) (-)

5.14

4000

3000

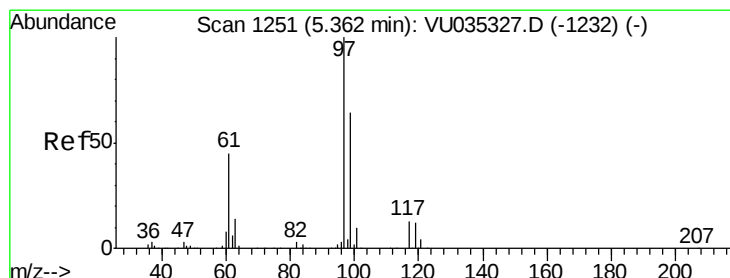
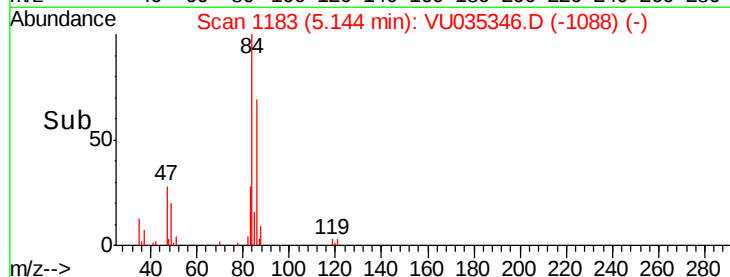
2000

1000

0

5.05 5.10 5.15 5.20

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.287 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

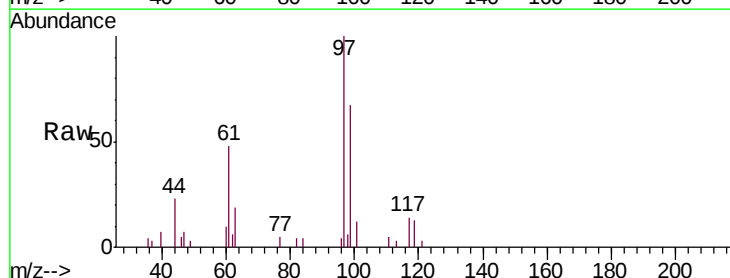
Tgt Ion: 97 Resp: 9040

Ion Ratio Lower Upper

97 100

99 67.0 52.6 79.0

61 47.3 37.0 55.4



Abundance Ion 96.95 (96.65 to 97.65): VU035327.D (-1232) (-)

Ion 99.05 (98.75 to 99.75): VU035327.D (-1232) (-)

Ion 61.05 (60.75 to 61.75): VU035327.D (-1232) (-)

5.36

5000

4000

3000

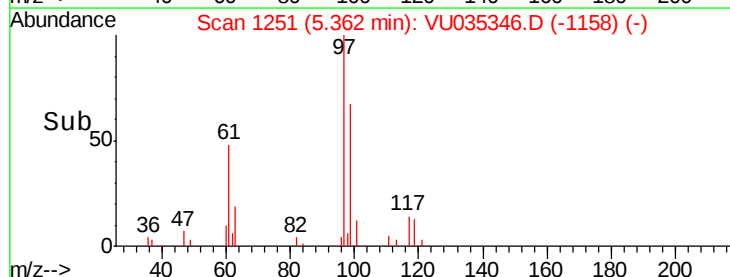
2000

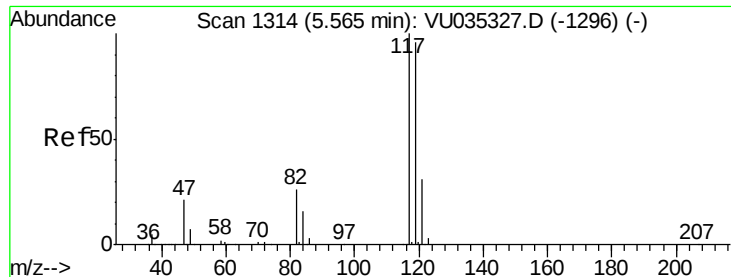
1000

0

5.30 5.35 5.40

Time-->





#31

Carbon tetrachloride

Concen: 0.129 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

Instrument :

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ClientSampleId :

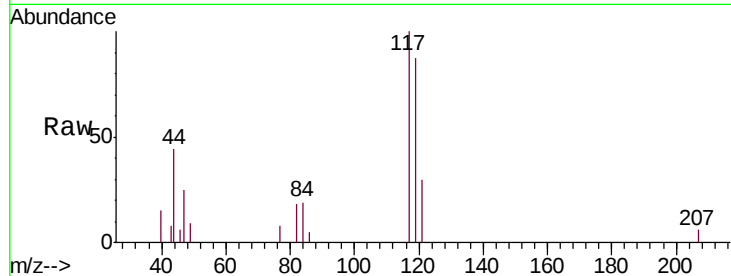
C0K31

Tgt Ion:117 Resp: 3673

Ion Ratio Lower Upper

117 100

119 89.5 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

2000

1500

1000

500

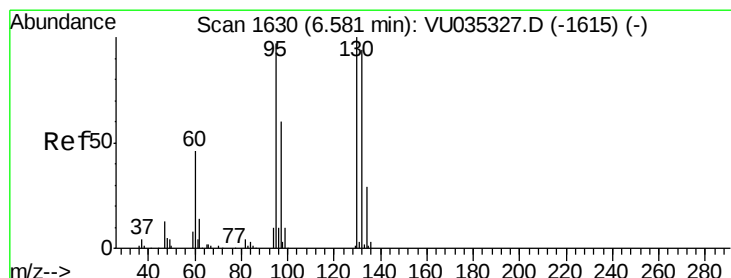
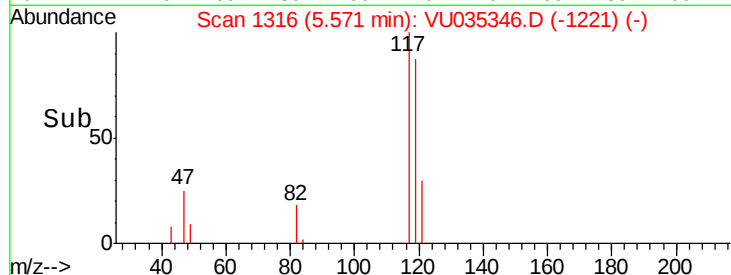
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Time-->

5.50

5.55

5.60



#34

Trichloroethene

Concen: 11.620 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

Tgt Ion: 95 Resp: 247600

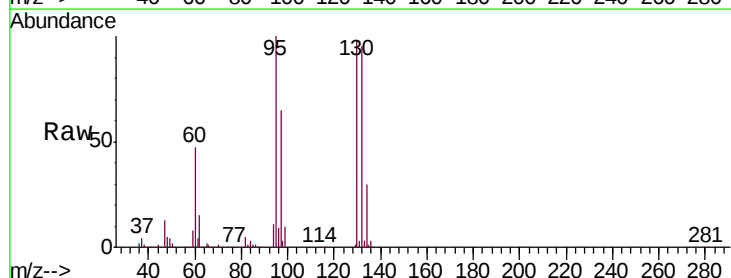
Ion Ratio Lower Upper

95 100

97 64.5 46.6 86.6

132 95.3 68.7 127.7

130 97.7 73.9 137.3



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

200000

150000

100000

50000

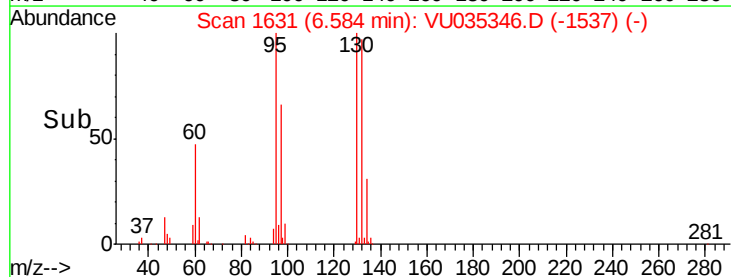
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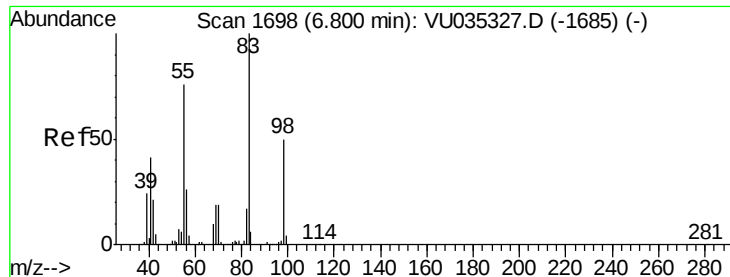
Time-->

6.50

6.60

6.70

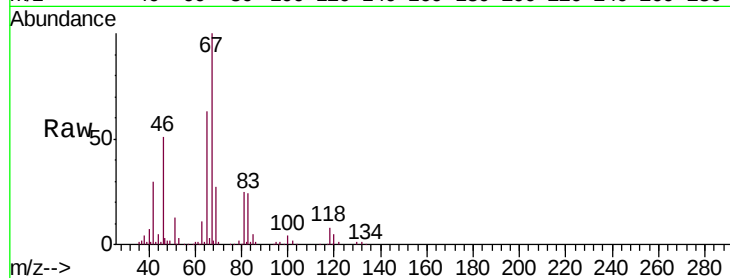




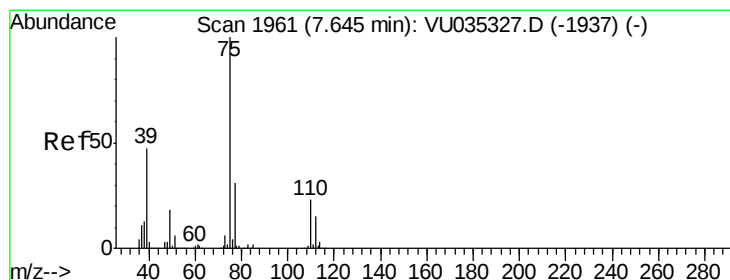
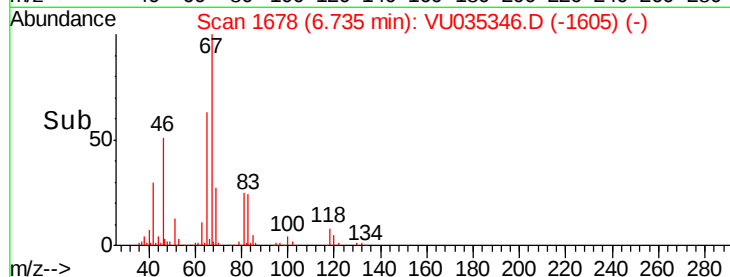
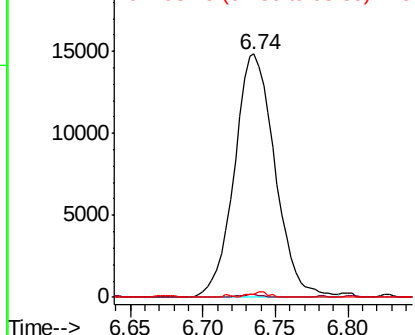
#35
Methylcyclohexane
Concen: 0.811 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

Instrument :
MSVOA_U
ClientSampleId :
C0K31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.6	60.4	90.6#
98	1.0	39.5	59.3#

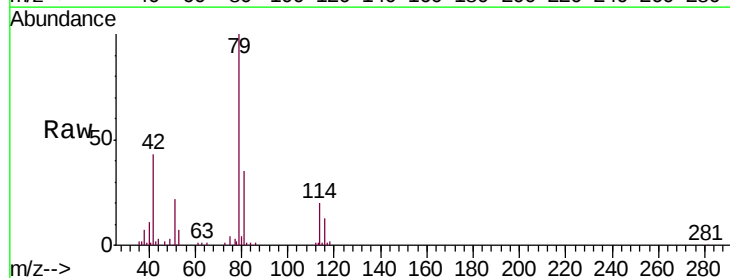


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

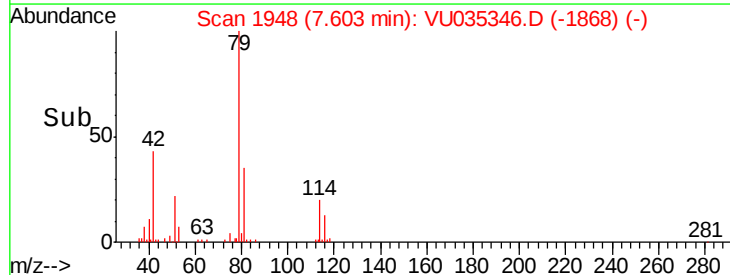
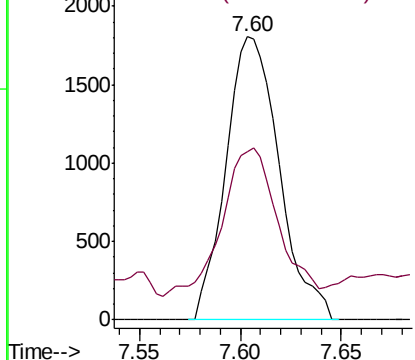


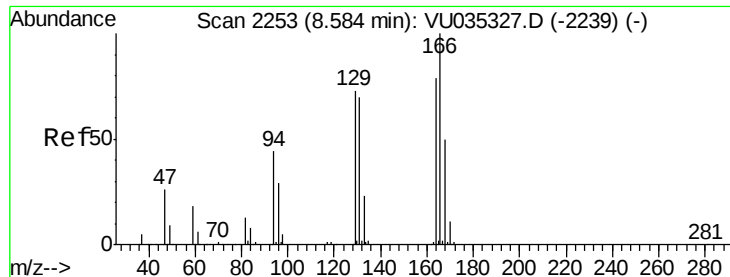
#39
cis-1,3-Dichloropropene
Concen: 0.099 ug/L
RT: 7.60 min Scan# 1948
Delta R.T. -0.04 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	59.4	22.7	42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 12.204 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

Instrument :

MSVOA_U

ClientSampleId :

C0K31

Tgt Ion:164 Resp: 216636

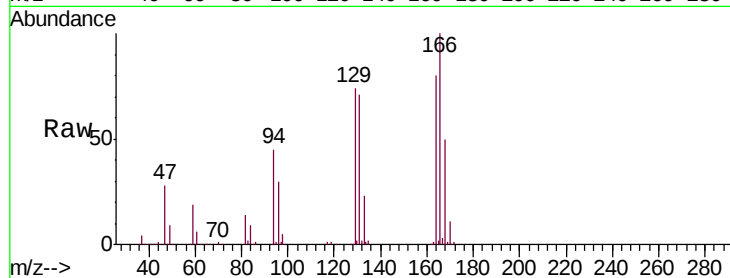
Ion Ratio Lower Upper

164 100

129 93.0 65.2 121.0

131 88.9 62.9 116.9

166 125.3 91.5 169.9

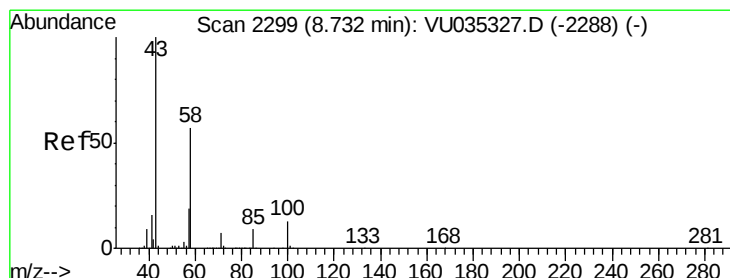
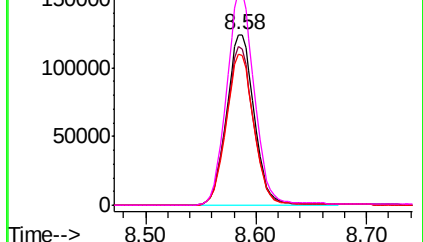
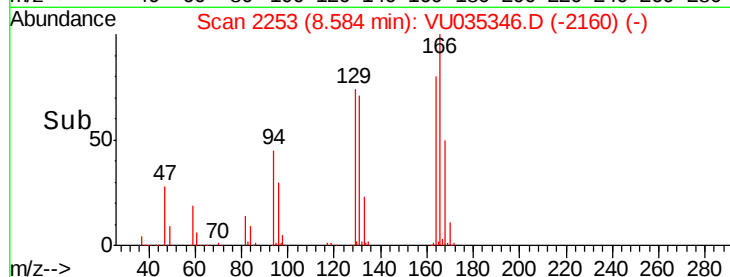


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.089 ug/L

RT: 8.74 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VU035346.D

Acq: 22 Oct 2019 01:52

Tgt Ion: 43 Resp: 10372

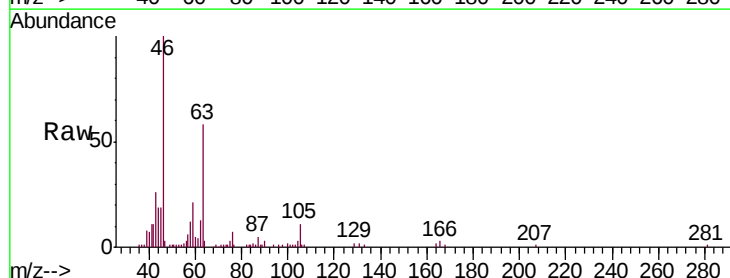
Ion Ratio Lower Upper

43 100

58 48.8 45.1 67.7

57 4.8 16.0 24.0#

100 4.0 10.4 15.6#

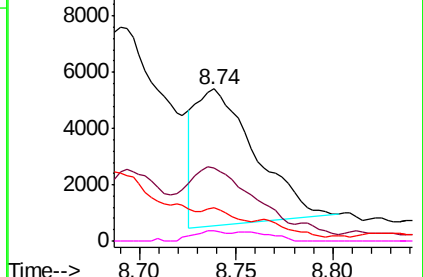
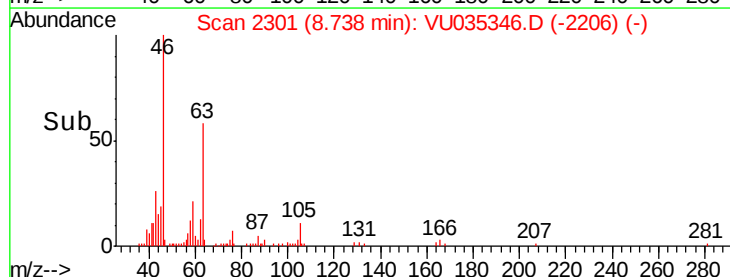


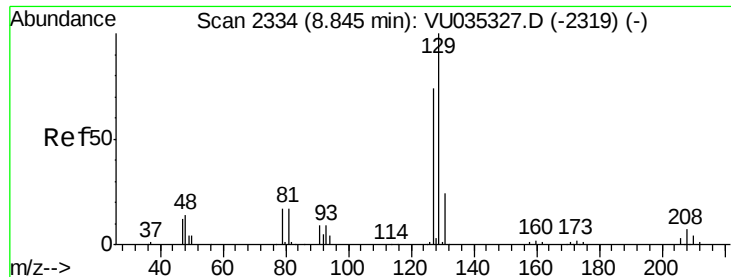
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

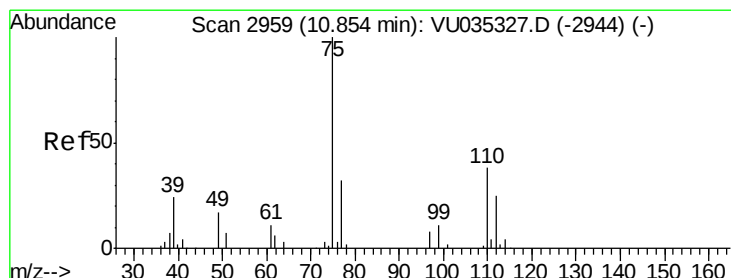
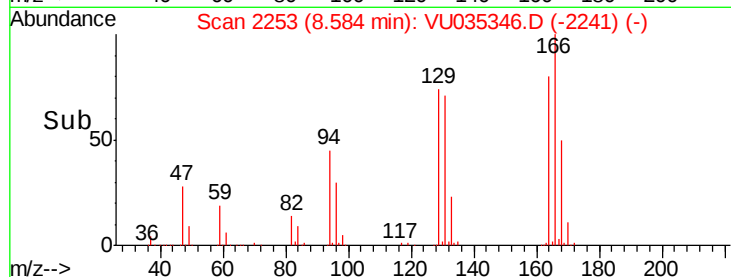
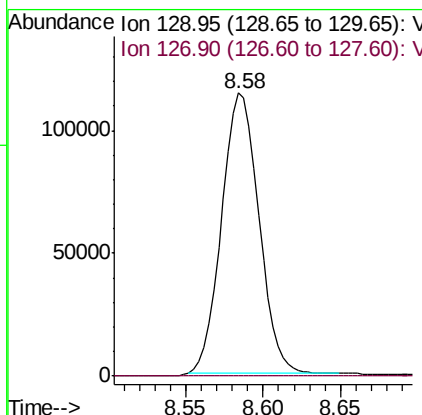
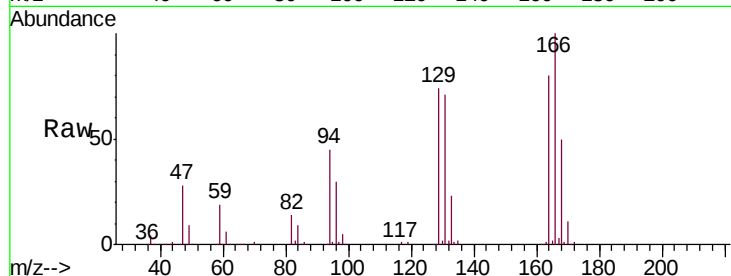




#49
 Dibromochloromethane
 Concen: 10.081 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.26 min
 Lab File: VU035346.D
 Acq: 22 Oct 2019 01:52

Instrument :
 MSVOA_U
 ClientSampled :
 C0K31

Tgt Ion: 129 Resp: 190894
 Ion Ratio Lower Upper
 129 100
 127 0.1 53.8 99.8#



#59
 1,2,3-Trichloropropane
 Concen: 0.850 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035346.D
 Acq: 22 Oct 2019 01:52

Tgt Ion: 75 Resp: 11915
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2

