

Data File : VU032834.D
Acq On : 18 Jun 2019 19:25
Operator : JC/SP
Sample : K3224-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JW1

Quant Time: Jun 19 04:39:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 19 04:35:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	230386	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	222744	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113651	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65727	41.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.50%
7) Chloroethane-d5	1.68	69	56920	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.66%
11) 1,1-Dichloroethene-d2	2.27	63	106140	33.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.92%
21) 2-Butanone-d5	4.17	46	142302	108.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.59%
24) Chloroform-d	4.64	84	142221	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.92%
26) 1,2-Dichloroethane-d4	5.30	65	98976	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.08%
32) Benzene-d6	5.33	84	279021	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
36) 1,2-Dichloropropane-d6	6.32	67	90837	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.22%
41) Toluene-d8	7.56	98	260252	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%
43) trans-1,3-Dichloropropene-	7.85	79	44385	46.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.26%
47) 2-Hexanone-d5	8.31	63	97326	112.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	135751	47.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.94%
64) 1,2-Dichlorobenzene-d4	11.85	152	105780	48.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
8) Chloroethane	1.40	64	1123	0.933 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	924	0.600 ug/L #	17
12) 1,1-Dichloroethene	2.26	96	901	0.621 ug/L #	1
13) Acetone	2.32	43	12625	6.975 ug/L	97
15) Methyl Acetate	2.62	43	1853	0.903 ug/L #	78
16) Methylene chloride	2.69	84	4264	2.505 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	3493	2.038 ug/L	99
33) Benzene	5.33	78	2544	0.396 ug/L	100
34) Trichloroethene	6.18	95	37146	21.666 ug/L	97
37) 1,2-Dichloropropane	6.32	63	10726	6.094 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3265	1.191 ug/L #	66
44) trans-1,3-Dichloropropene	7.84	75	2371	0.921 ug/L	91
46) Tetrachloroethene	8.22	164	4414	3.142 ug/L	90
48) 2-Hexanone	8.31	43	17914	7.225 ug/L #	63
49) Dibromochloromethane	8.22	129	3871	1.960 ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	14300	6.088 ug/L	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061819\
Quantitation Report (Not Reviewed)

Data File : VU032834.D
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Quant Title : VOC Analysis
QLast Update : Wed Jun 19 04:35:38 2019
Response via : Initial Calibration

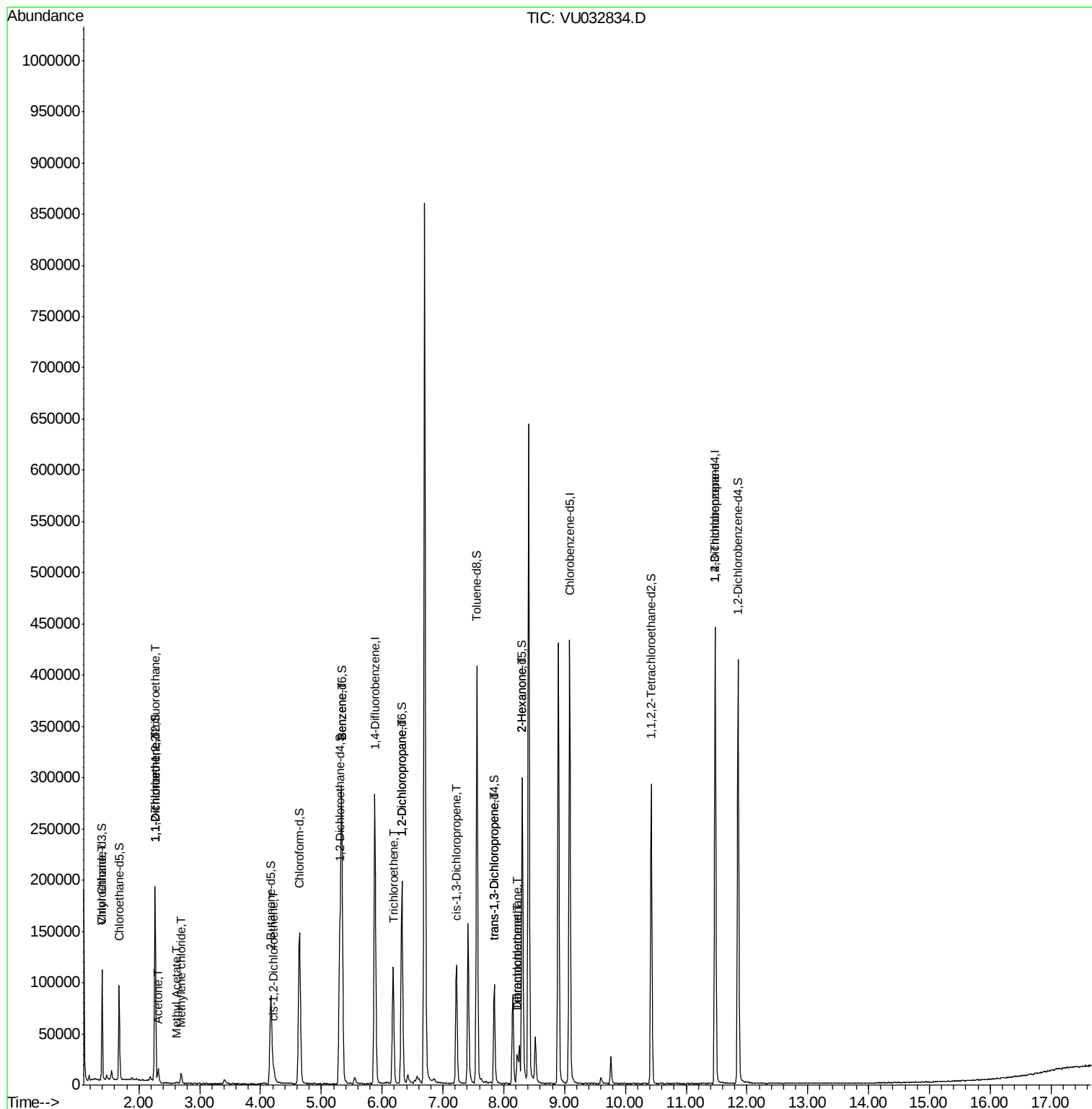
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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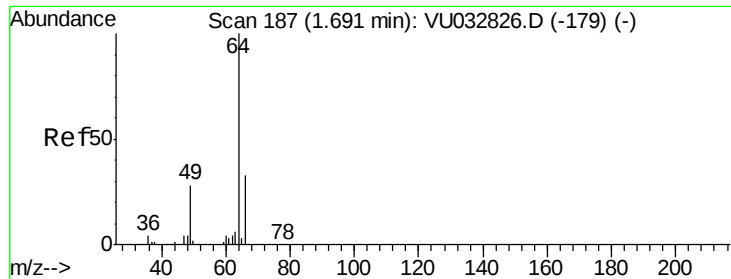
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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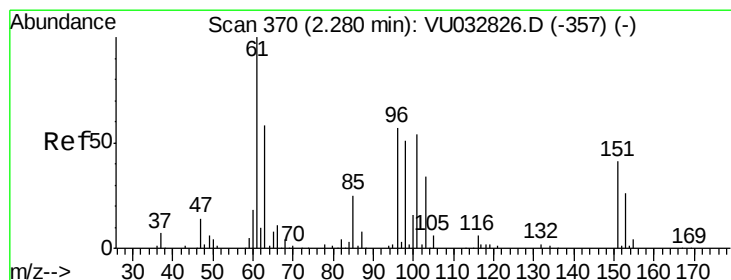
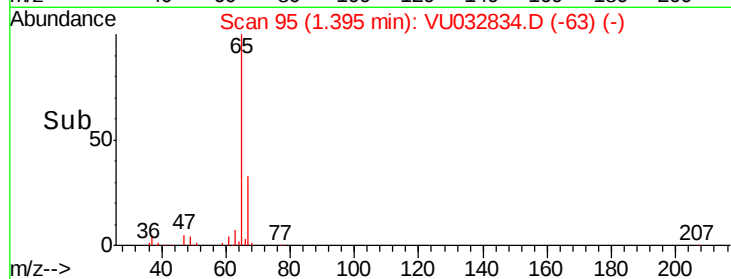
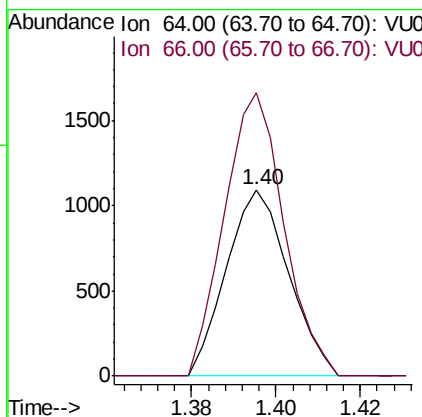
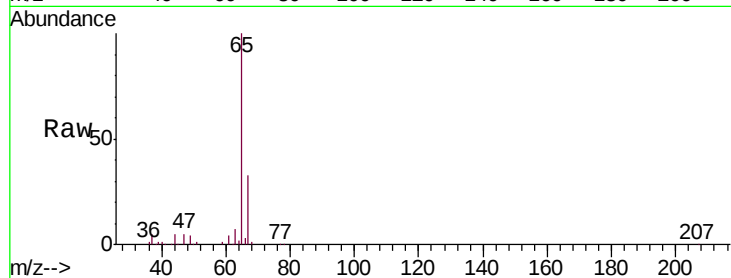




#8
Chloroethane
Concen: 0.933 ug/L
RT: 1.40 min Scan# 95
Delta R.T. -0.30 min
Lab File: VU032834.D
Acq: 18 Jun 2019 19:25

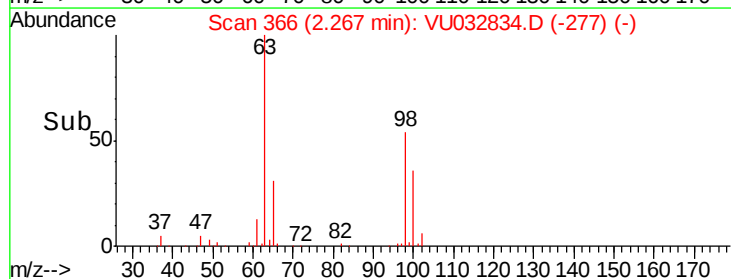
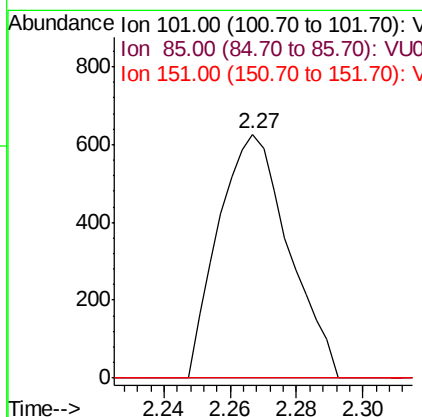
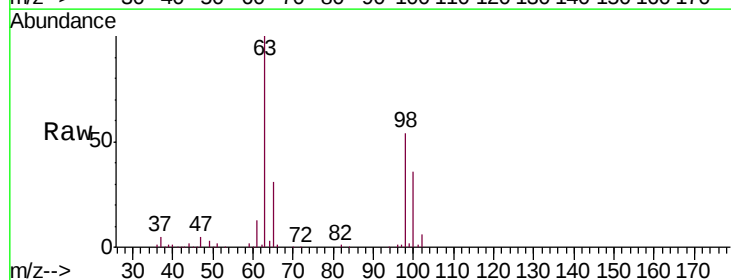
Instrument :
MSVOA_U
ClientSampleId :
C0JW1

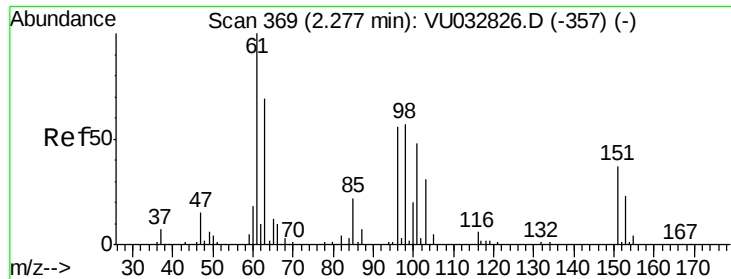
Tgt Ion: 64 Resp: 1123
Ion Ratio Lower Upper
64 100
66 151.6 22.5 41.7#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.600 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU032834.D
Acq: 18 Jun 2019 19:25

Tgt Ion: 101 Resp: 924
Ion Ratio Lower Upper
101 100
85 0.0 36.8 55.2#
151 0.0 63.6 95.4#

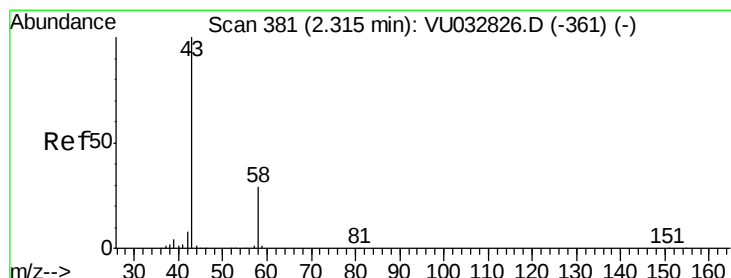
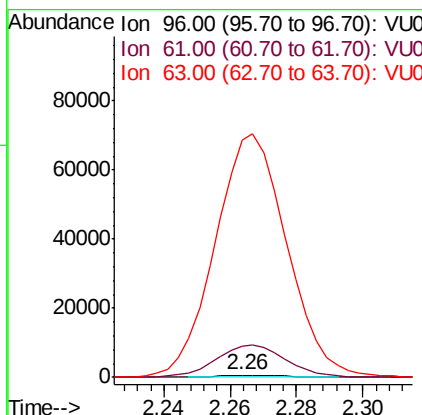
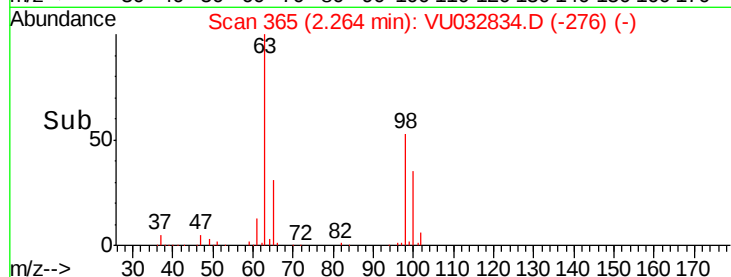
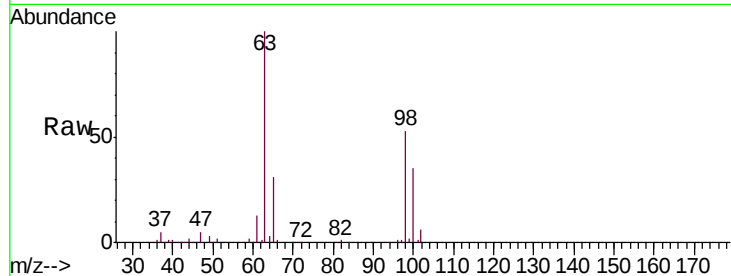




#12
 1,1-Dichloroethene
 Concen: 0.621 ug/L
 RT: 2.26 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VU032834.D
 Acq: 18 Jun 2019 19:25

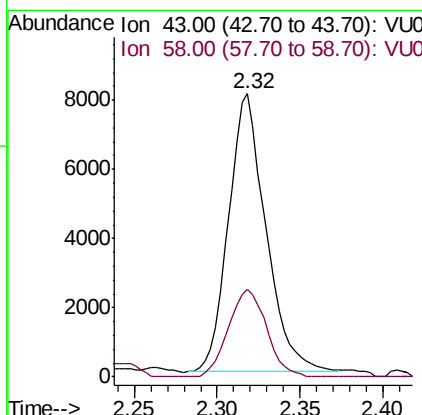
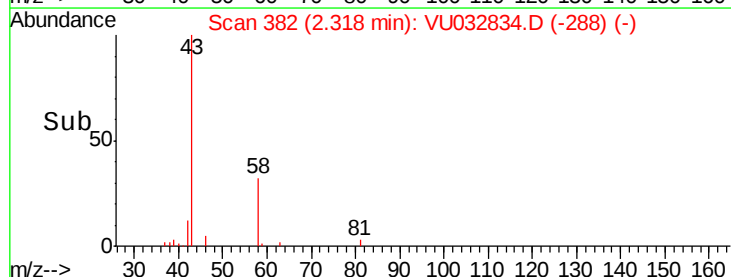
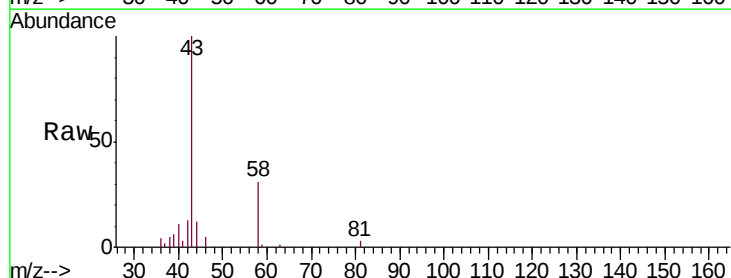
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JW1

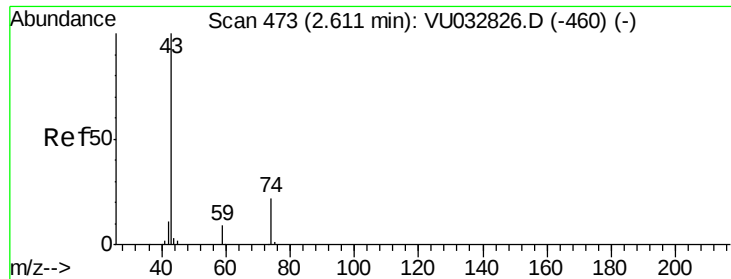
Tgt Ion: 96 Resp: 901
 Ion Ratio Lower Upper
 96 100
 61 1615.0 131.0 243.4#
 63 12106.0 101.0 187.6#



#13
 Acetone
 Concen: 6.975 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU032834.D
 Acq: 18 Jun 2019 19:25

Tgt Ion: 43 Resp: 12625
 Ion Ratio Lower Upper
 43 100
 58 31.9 0.0 60.6





#15

Methyl Acetate

Concen: 0.903 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU032834.D

Acq: 18 Jun 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

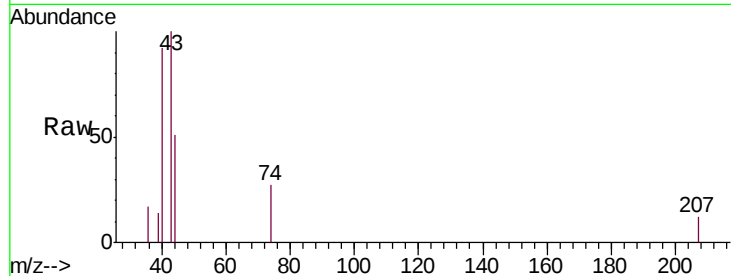
C0JW1

Tgt Ion: 43 Resp: 1853

Ion Ratio Lower Upper

43 100

74 12.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU032826.D (-460) (-)

Ion 74.00 (73.70 to 74.70): VU032826.D (-460) (-)

2.62

1000

800

600

400

200

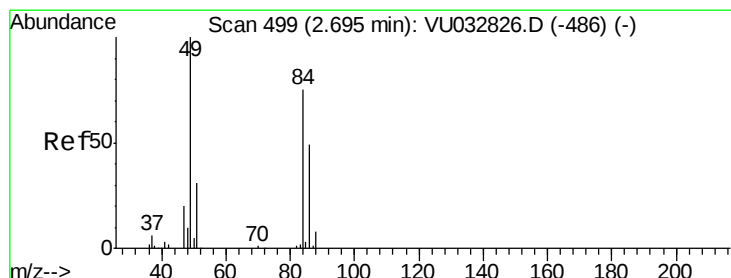
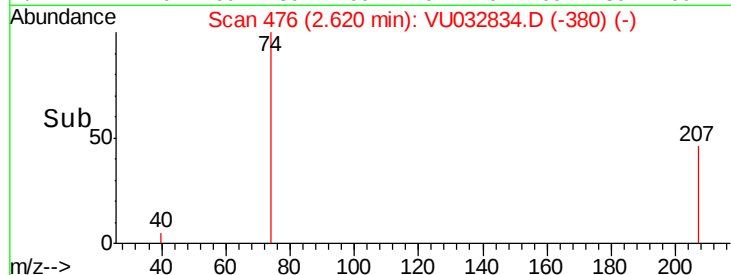
0

2.55

2.60

2.65

Time-->



#16

Methylene chloride

Concen: 2.505 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU032834.D

Acq: 18 Jun 2019 19:25

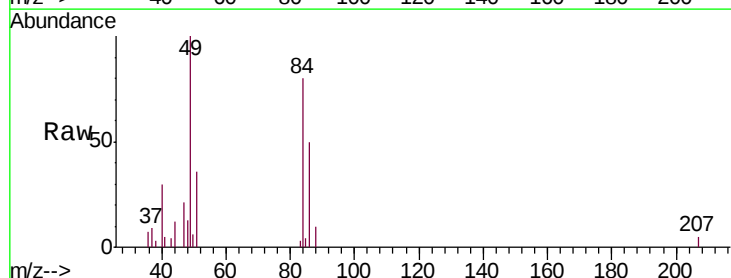
Tgt Ion: 84 Resp: 4264

Ion Ratio Lower Upper

84 100

86 62.7 45.5 84.5

49 124.4 92.1 171.1



Abundance Ion 84.00 (83.70 to 84.70): VU032826.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU032826.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU032826.D (-486) (-)

4000

3000

2000

1000

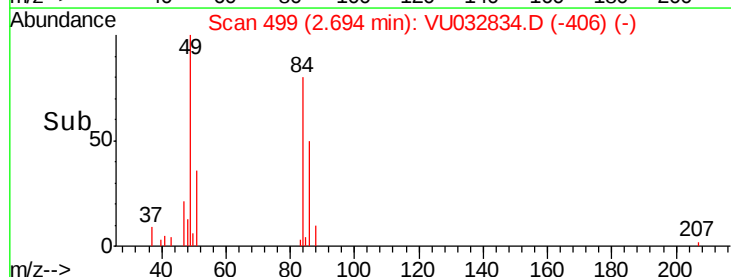
0

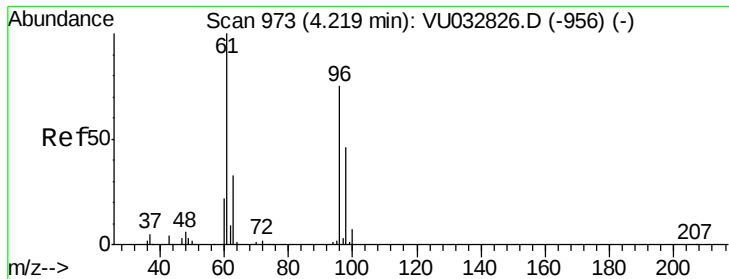
2.65

2.70

2.75

Time-->



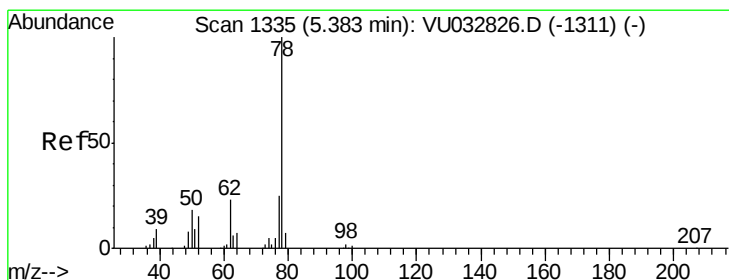
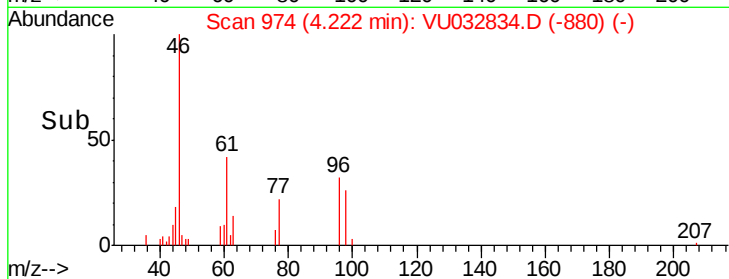
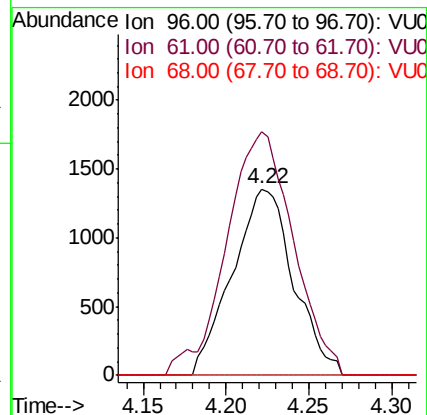
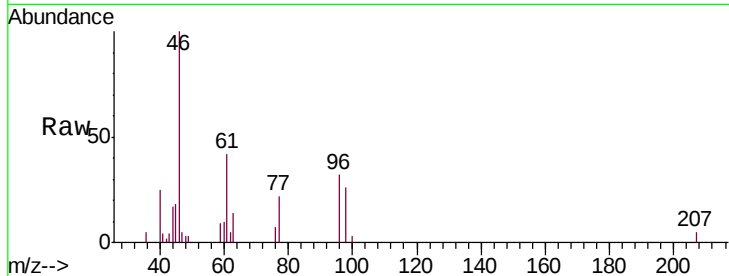


#20

cis-1,2-Dichloroethene
Concen: 2.038 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU032834.D
Acq: 18 Jun 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
C0JW1

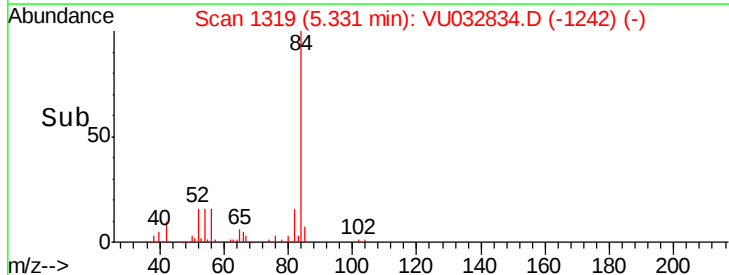
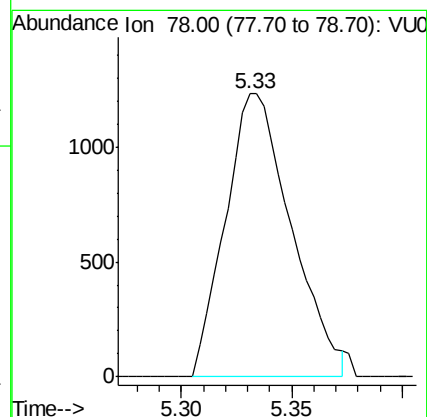
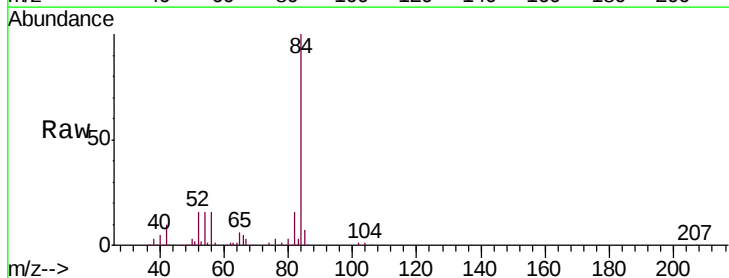
Tgt Ion: 96 Resp: 3493
Ion Ratio Lower Upper
96 100
61 130.5 92.4 171.6
68 0.0 0.0 0.0

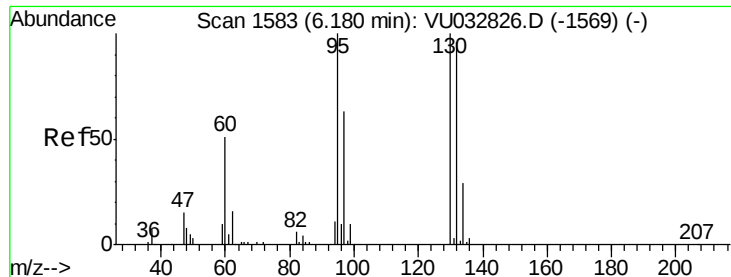


#33

Benzene
Concen: 0.396 ug/L
RT: 5.33 min Scan# 1319
Delta R.T. -0.05 min
Lab File: VU032834.D
Acq: 18 Jun 2019 19:25

Tgt Ion: 78 Resp: 2544





#34

Trichloroethene

Concen: 21.666 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032834.D

Acq: 18 Jun 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

C0JW1

Tgt Ion: 95 Resp: 37146

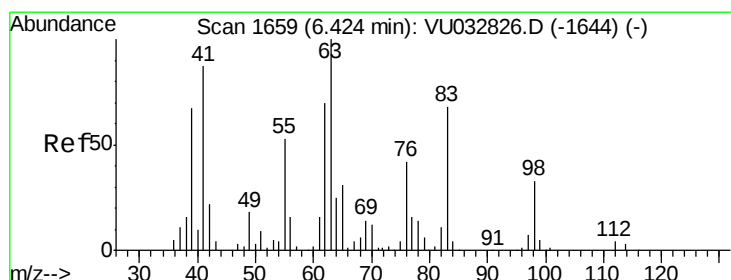
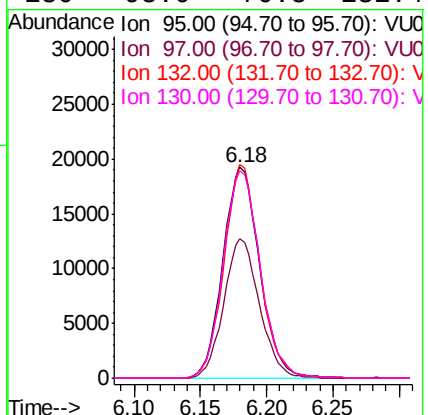
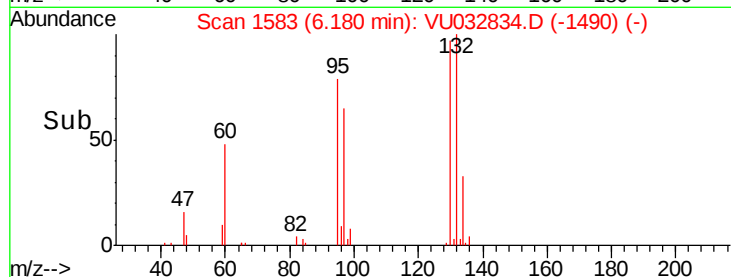
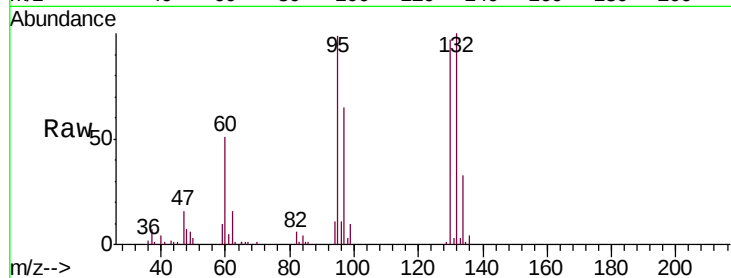
Ion Ratio Lower Upper

95 100

97 66.0 45.9 85.3

132 101.2 68.5 127.3

130 98.0 70.8 131.4



#37

1,2-Dichloropropane

Concen: 6.094 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032834.D

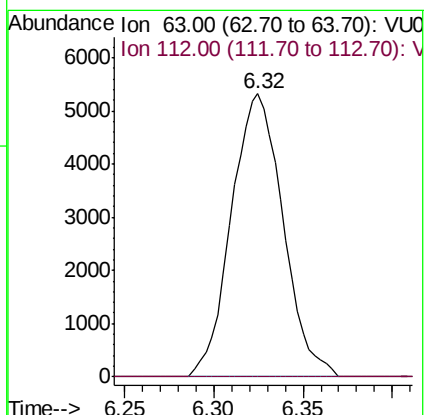
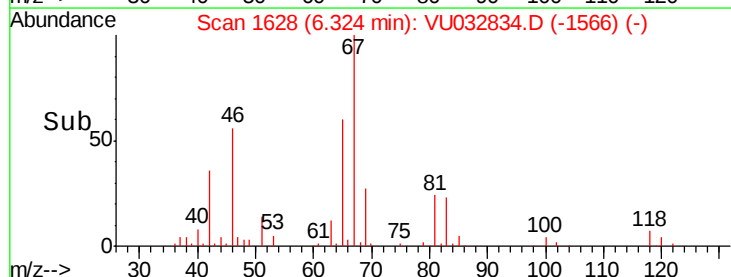
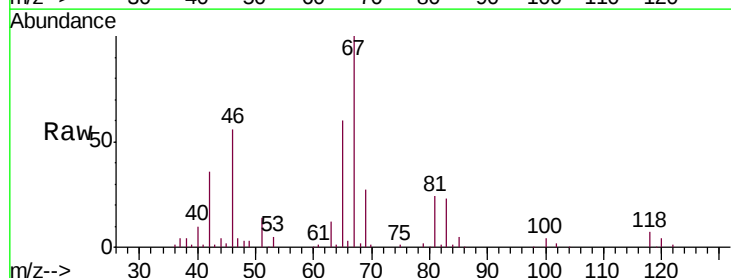
Acq: 18 Jun 2019 19:25

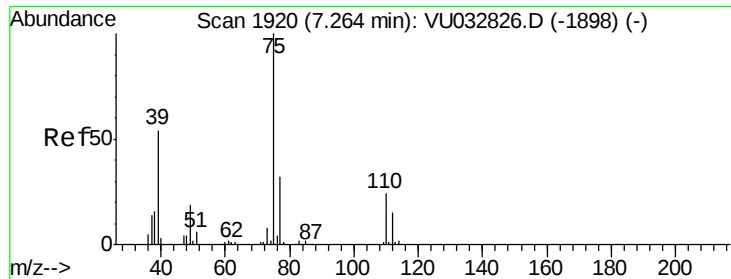
Tgt Ion: 63 Resp: 10726

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 1.191 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032834.D

Acq: 18 Jun 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

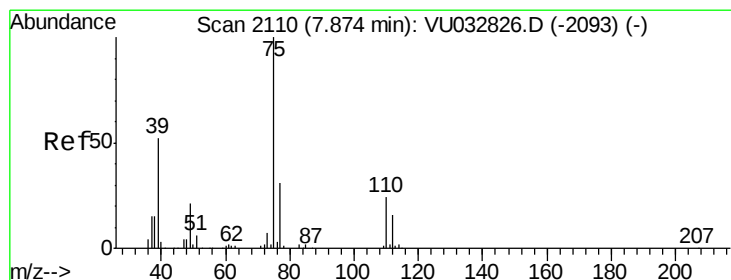
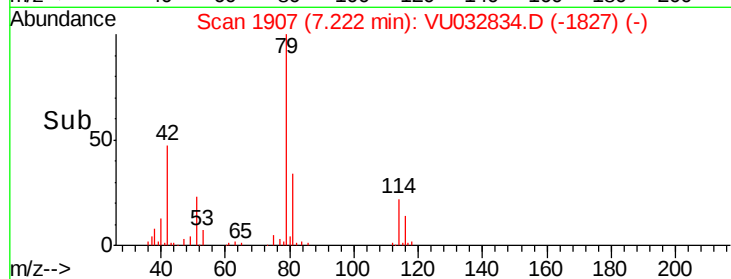
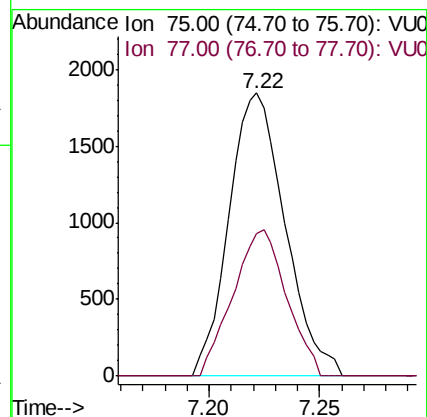
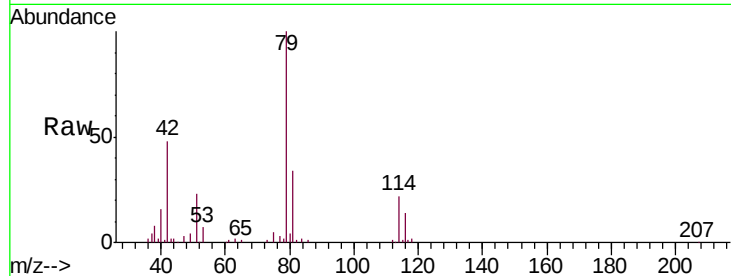
C0JW1

Tgt Ion: 75 Resp: 3265

Ion Ratio Lower Upper

75 100

77 50.3 21.9 40.7#



#44

trans-1,3-Dichloropropene

Concen: 0.921 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032834.D

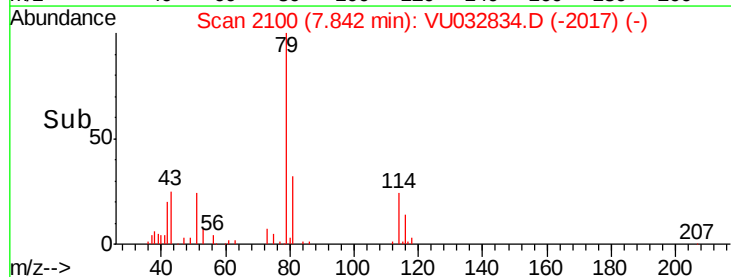
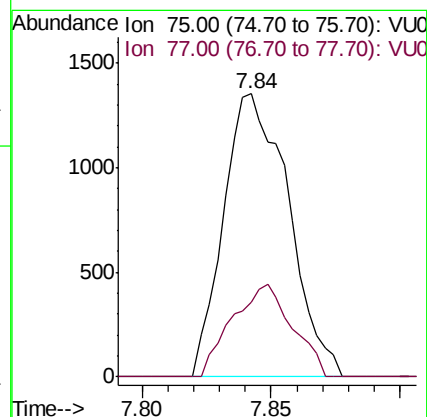
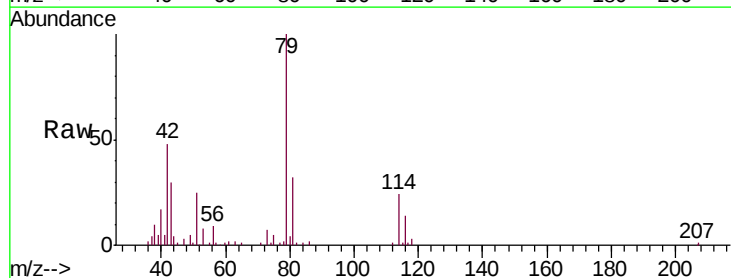
Acq: 18 Jun 2019 19:25

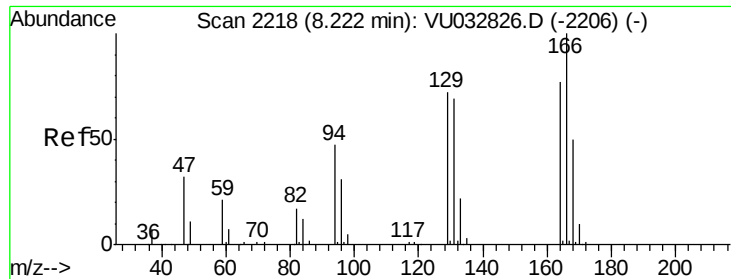
Tgt Ion: 75 Resp: 2371

Ion Ratio Lower Upper

75 100

77 26.3 21.8 40.4





#46

Tetrachloroethene

Concen: 3.142 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032834.D

Acq: 18 Jun 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

C0JW1

Tgt Ion:164 Resp: 4414

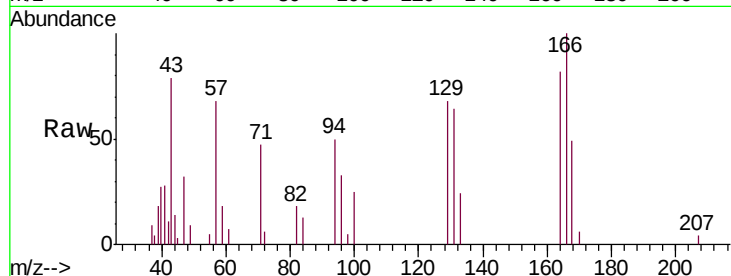
Ion Ratio Lower Upper

164 100

129 82.9 64.8 120.3

131 78.4 64.5 119.7

166 122.5 91.3 169.6

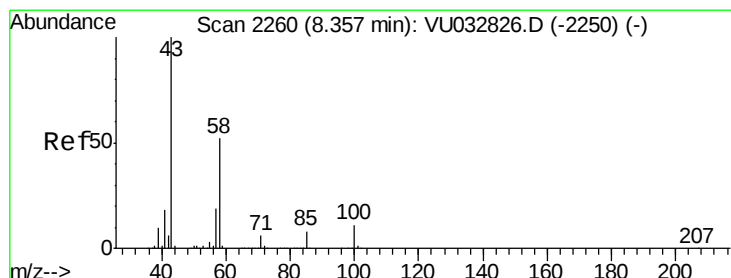
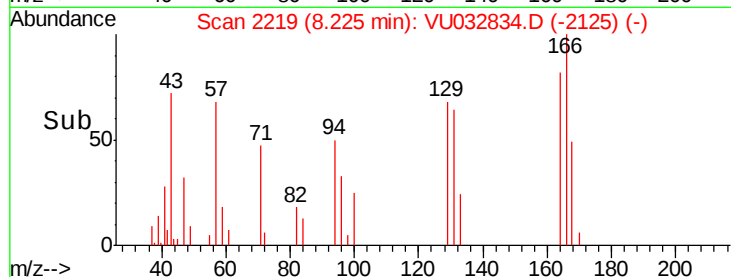
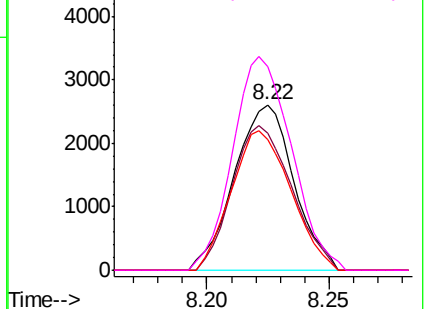


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 7.225 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.05 min

Lab File: VU032834.D

Acq: 18 Jun 2019 19:25

Tgt Ion: 43 Resp: 17914

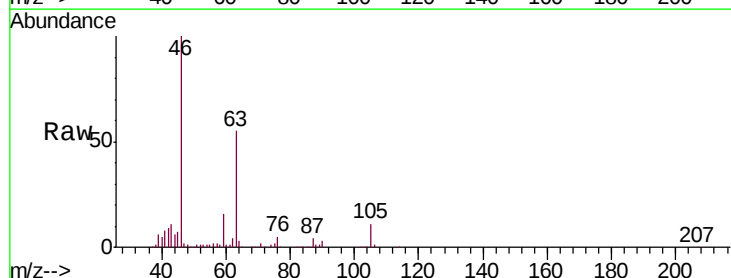
Ion Ratio Lower Upper

43 100

58 15.7 40.2 60.2#

57 14.4 14.2 21.4

100 0.0 8.4 12.6#

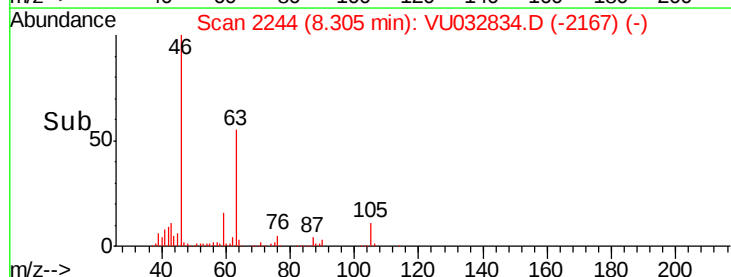
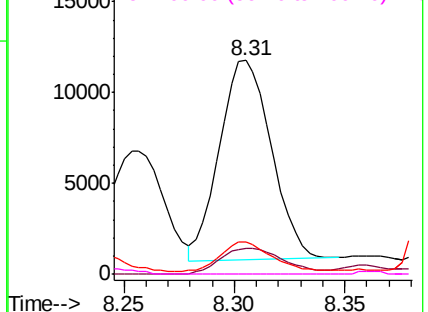


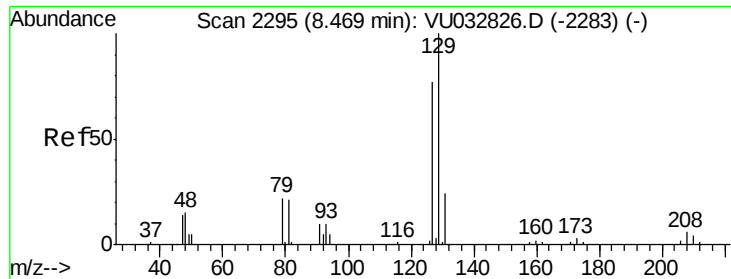
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 1.960 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032834.D

Acq: 18 Jun 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

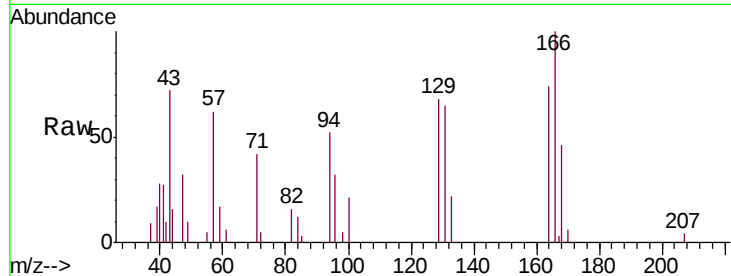
C0JW1

Tgt Ion:129 Resp: 3871

Ion Ratio Lower Upper

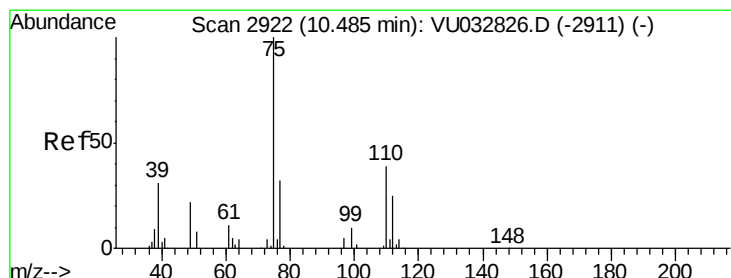
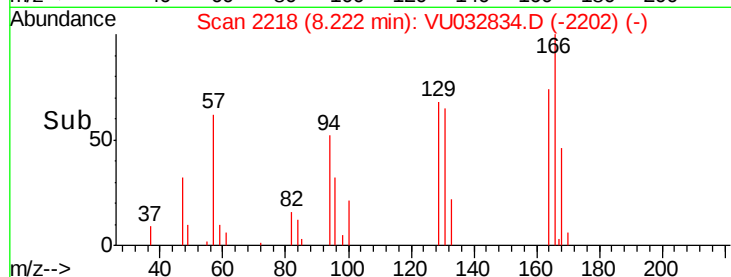
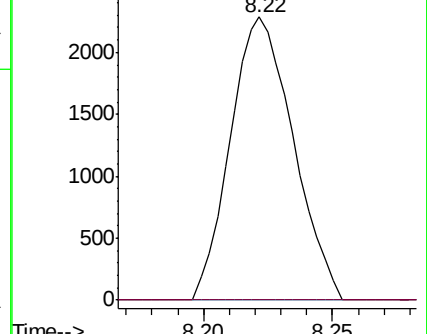
129 100

127 0.0 52.3 97.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 6.088 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032834.D

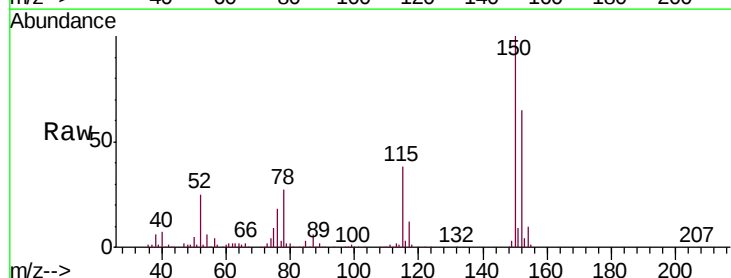
Acq: 18 Jun 2019 19:25

Tgt Ion: 75 Resp: 14300

Ion Ratio Lower Upper

75 100

77 38.0 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

