

Data File : VU032822.D
Acq On : 18 Jun 2019 14:23
Operator : JC/SP
Sample : K3363-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JT8

Quant Time: Jun 19 01:32:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 19 01:26:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	222781	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	217116	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107773	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	74597	49.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.00%
7) Chloroethane-d5	1.68	69	62105	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.30%
11) 1,1-Dichloroethene-d2	2.27	63	115581	37.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.36%
21) 2-Butanone-d5	4.17	46	142399	112.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.37%
24) Chloroform-d	4.64	84	147643	49.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.76%
26) 1,2-Dichloroethane-d4	5.30	65	103324	52.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.82%
32) Benzene-d6	5.33	84	300315	53.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.12%
36) 1,2-Dichloropropane-d6	6.32	67	97007	53.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.60%
41) Toluene-d8	7.56	98	279061	52.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.30%
43) trans-1,3-Dichloropropene-	7.84	79	42493	45.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.62%
47) 2-Hexanone-d5	8.31	63	98655	117.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.19%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	141220	50.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	110624	53.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.08%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	1698	1.458	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1005	0.675	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	863	0.615	ug/L #	1
13) Acetone	2.32	43	10735	6.133	ug/L	99
15) Methyl Acetate	2.62	43	2326	1.172	ug/L #	83
16) Methylene chloride	2.70	84	1988	1.208	ug/L	88
17) trans-1,2-Dichloroethene	2.98	96	1052	0.691	ug/L	87
20) cis-1,2-Dichloroethene	4.22	96	6824	4.117	ug/L	94
34) Trichloroethene	6.18	95	2107	1.261	ug/L	95
35) Methylcyclohexane	6.32	83	22281	8.626	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	11348	6.614	ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	2889	1.081	ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	2348	0.935	ug/L	96
48) 2-Hexanone	8.31	43	16758	6.934	ug/L #	65
59) 1,2,3-Trichloropropane	11.48	75	13065	5.706	ug/L #	86

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

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Quant Title : VOC Analysis
QLast Update : Wed Jun 19 01:26:44 2019
Response via : Initial Calibration

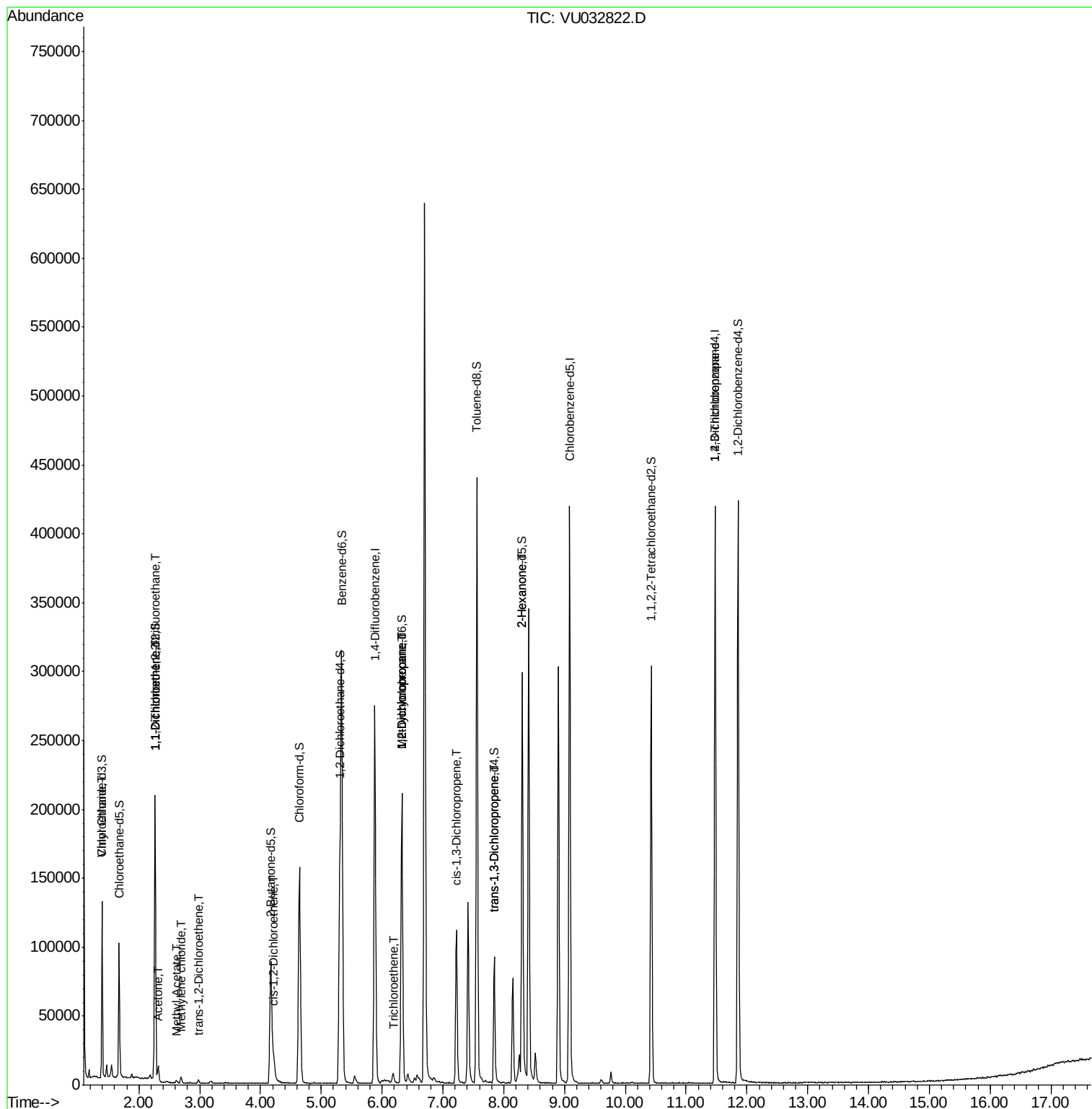
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

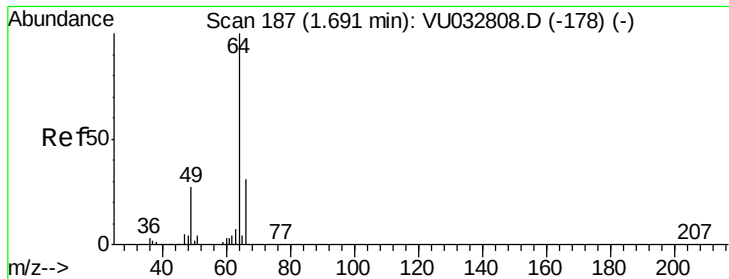
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#8

Chloroethane

Concen: 1.458 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032822.D

Acq: 18 Jun 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

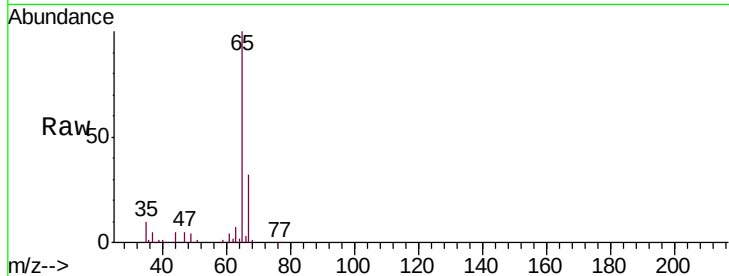
C0JT8

Tgt Ion: 64 Resp: 1698

Ion Ratio Lower Upper

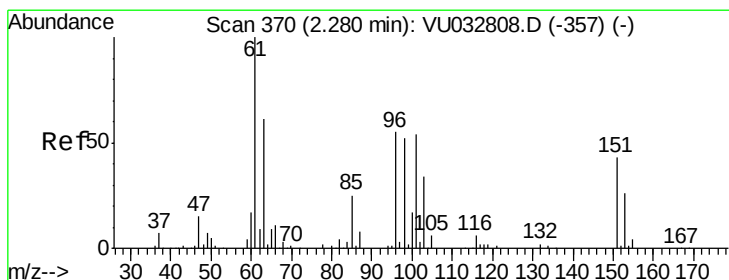
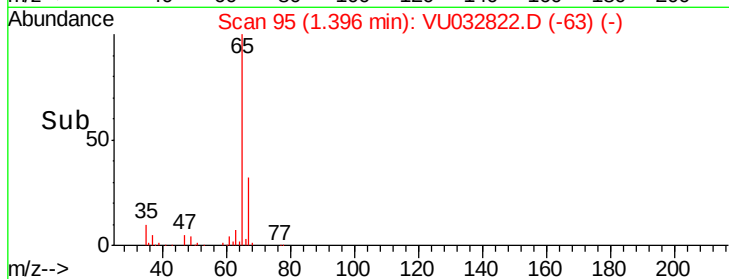
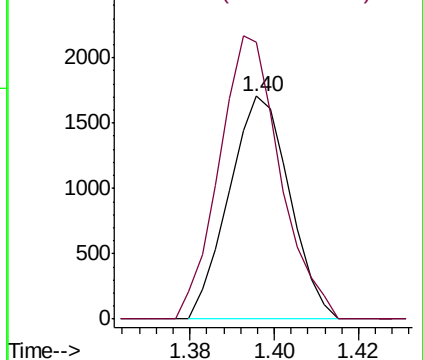
64 100

66 124.1 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU032822.D (-63) (-)

Ion 66.00 (65.70 to 66.70): VU032822.D (-63) (-)



#10

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

Concen: 0.675 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032822.D

Acq: 18 Jun 2019 14:23

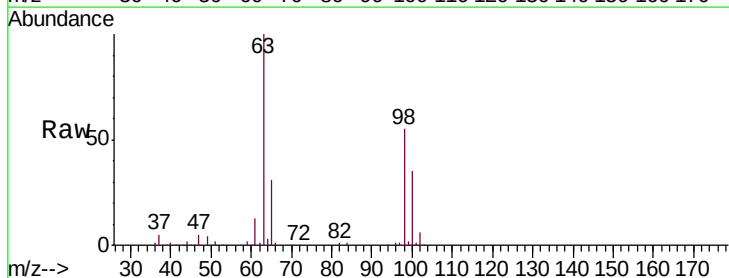
Tgt Ion: 101 Resp: 1005

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

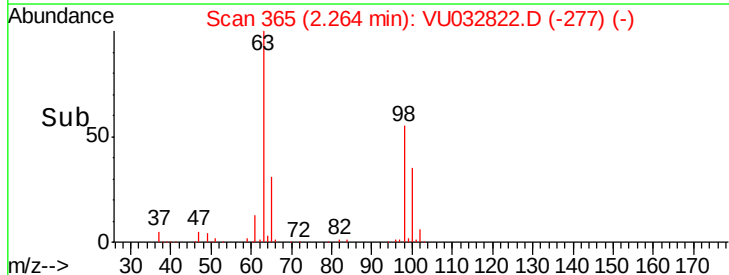
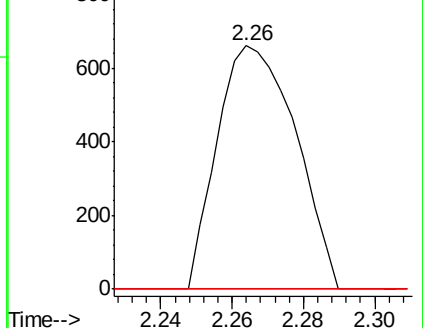
151 0.0 63.6 95.4#

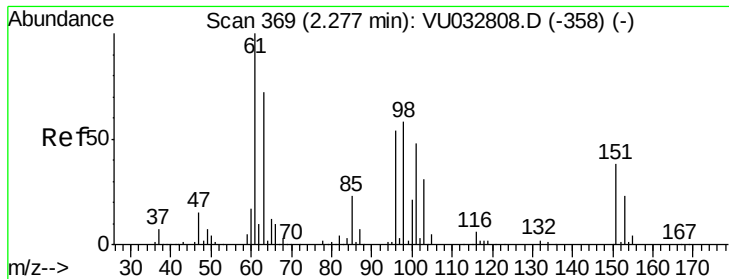


Abundance Ion 101.00 (100.70 to 101.70): VU032822.D (-277) (-)

Ion 85.00 (84.70 to 85.70): VU032822.D (-277) (-)

Ion 151.00 (150.70 to 151.70): VU032822.D (-277) (-)

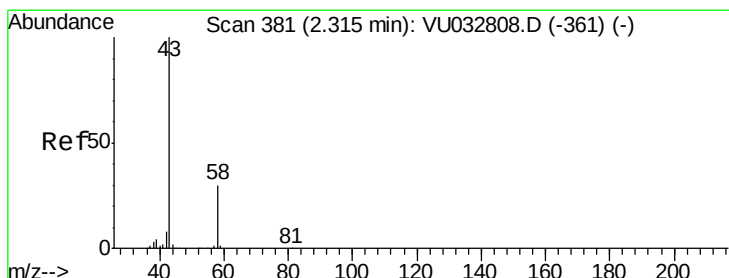
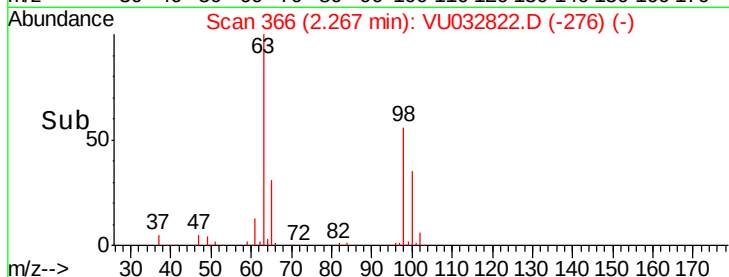
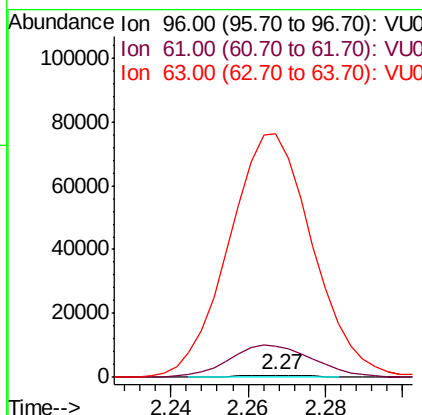
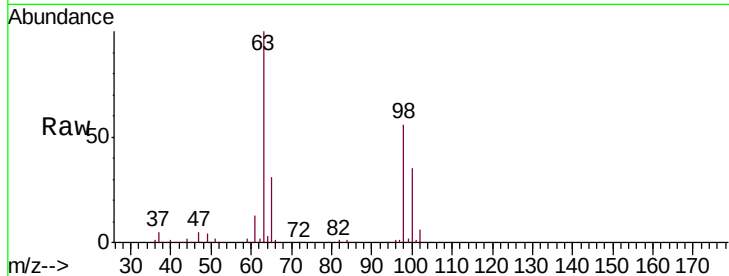




#12
 1,1-Dichloroethene
 Concen: 0.615 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU032822.D
 Acq: 18 Jun 2019 14:23

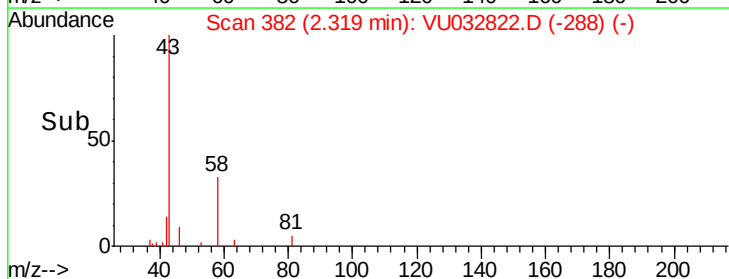
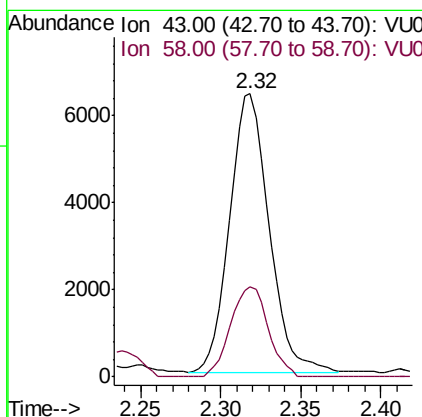
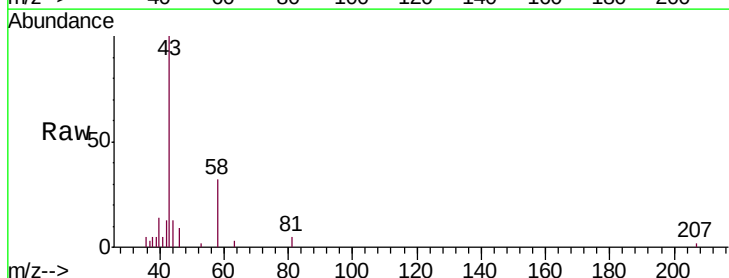
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JT8

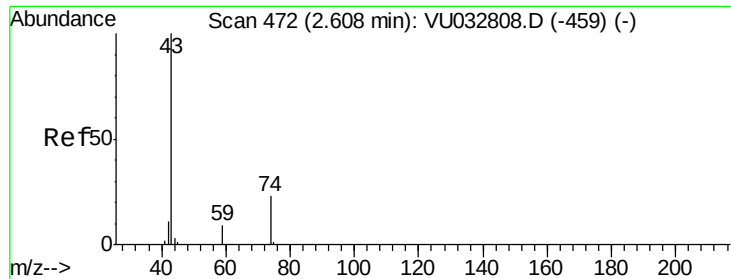
Tgt Ion: 96 Resp: 863
 Ion Ratio Lower Upper
 96 100
 61 1624.1 131.0 243.4#
 63 12765.2 101.0 187.6#



#13
 Acetone
 Concen: 6.133 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU032822.D
 Acq: 18 Jun 2019 14:23

Tgt Ion: 43 Resp: 10735
 Ion Ratio Lower Upper
 43 100
 58 30.7 0.0 60.6

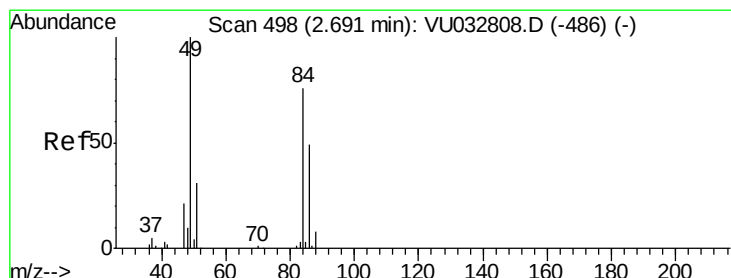
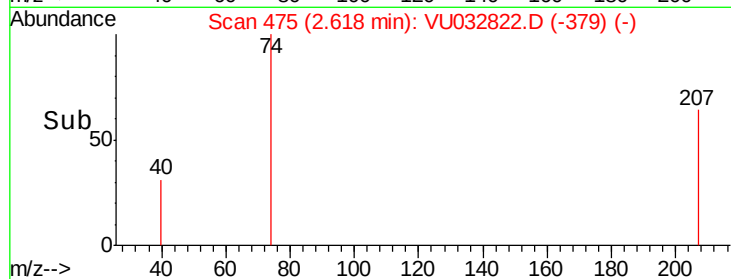
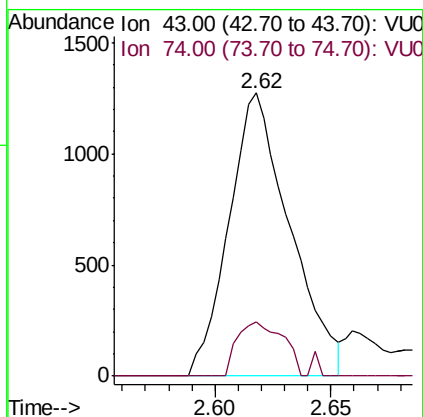
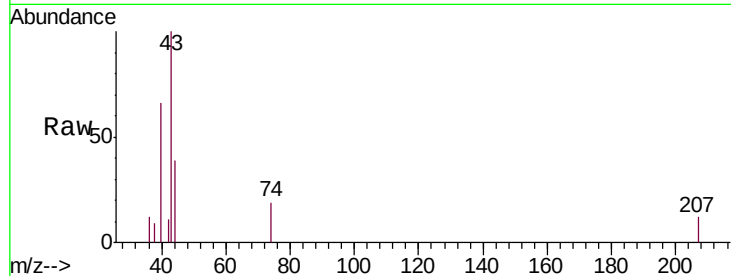




#15
Methyl Acetate
Concen: 1.172 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.01 min
Lab File: VU032822.D
Acq: 18 Jun 2019 14:23

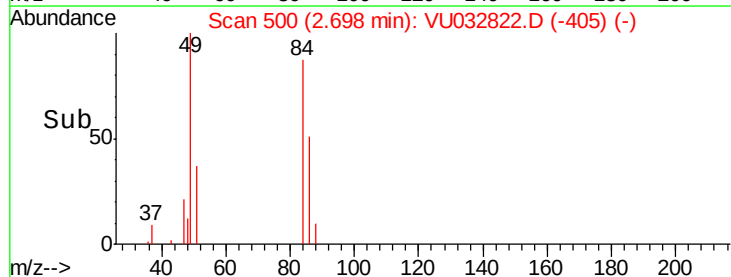
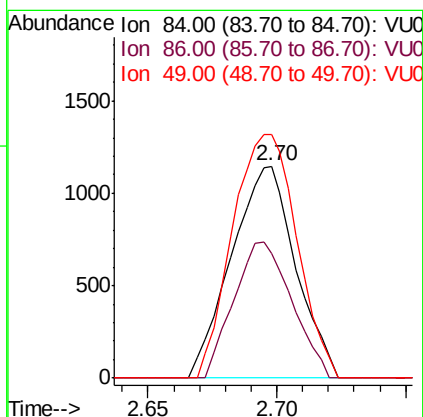
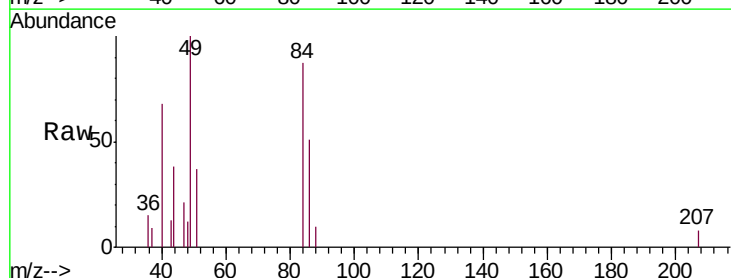
Instrument :
MSVOA_U
ClientSampleId :
C0JT8

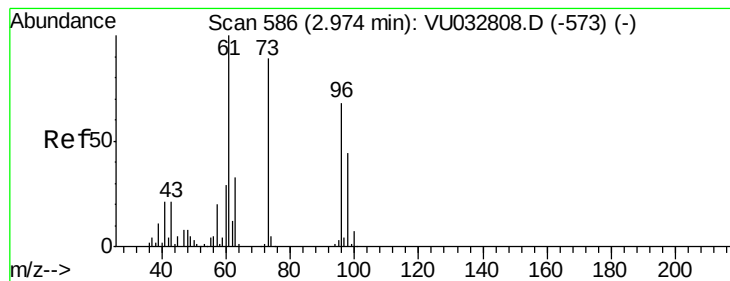
Tgt Ion: 43 Resp: 2326
Ion Ratio Lower Upper
43 100
74 14.3 18.1 27.1#



#16
Methylene chloride
Concen: 1.208 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.01 min
Lab File: VU032822.D
Acq: 18 Jun 2019 14:23

Tgt Ion: 84 Resp: 1988
Ion Ratio Lower Upper
84 100
86 59.0 45.5 84.5
49 115.0 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 0.691 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032822.D

Acq: 18 Jun 2019 14:23

Instrument :

MSVOA_U

ClientSampled :

C0JT8

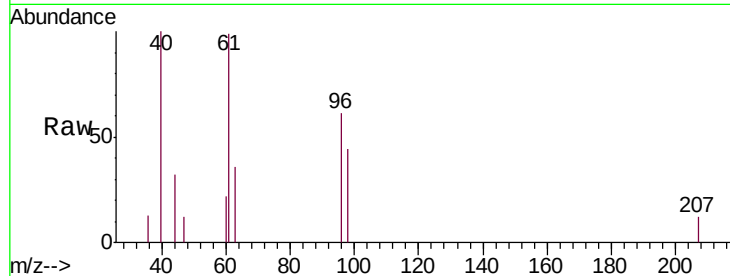
Tgt Ion: 96 Resp: 1052

Ion Ratio Lower Upper

96 100

61 162.0 100.9 187.5

98 71.5 44.0 81.8

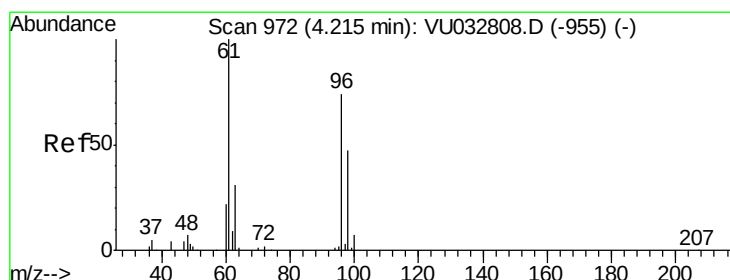
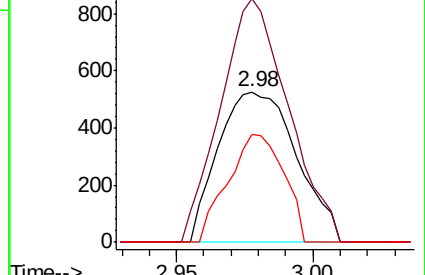
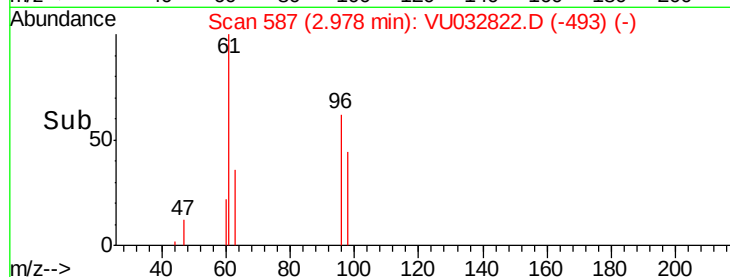


Abundance Ion 96.00 (95.70 to 96.70): VU032822.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU032822.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU032822.D (-493) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 4.117 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032822.D

Acq: 18 Jun 2019 14:23

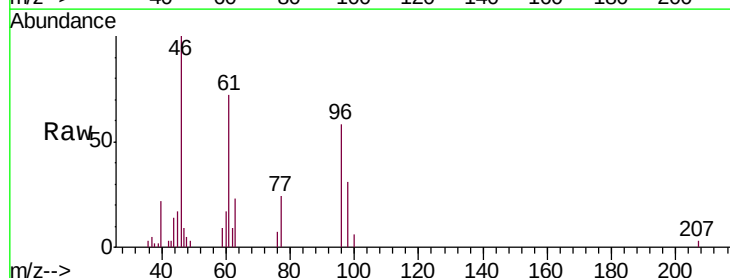
Tgt Ion: 96 Resp: 6824

Ion Ratio Lower Upper

96 100

61 124.8 92.4 171.6

68 0.0 0.0 0.0

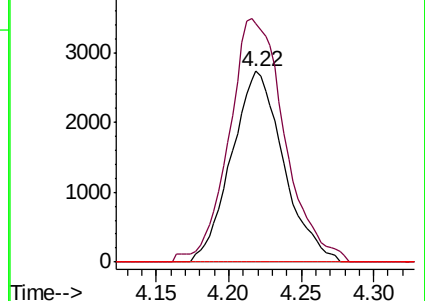
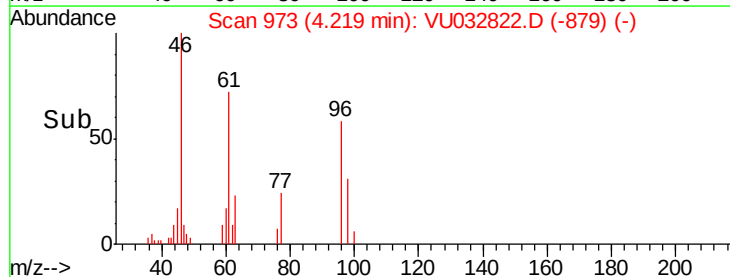


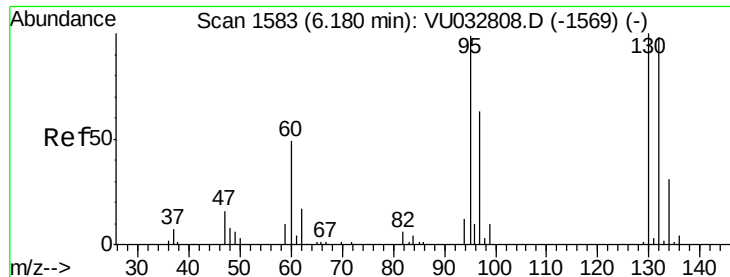
Abundance Ion 96.00 (95.70 to 96.70): VU032822.D (-879) (-)

Ion 61.00 (60.70 to 61.70): VU032822.D (-879) (-)

Ion 68.00 (67.70 to 68.70): VU032822.D (-879) (-)

Time-->





#34

Trichloroethene

Concen: 1.261 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032822.D

Acq: 18 Jun 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

C0JT8

Tgt Ion: 95 Resp: 2107

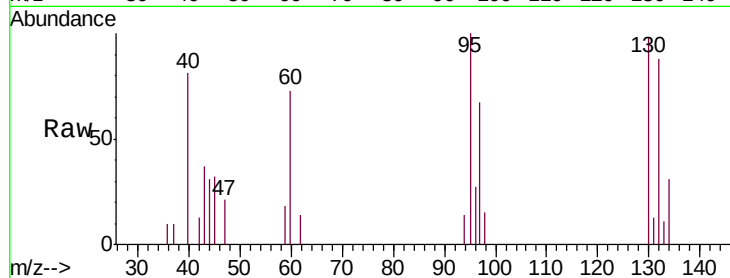
Ion Ratio Lower Upper

95 100

97 67.0 45.9 85.3

132 88.3 68.5 127.3

130 97.6 70.8 131.4

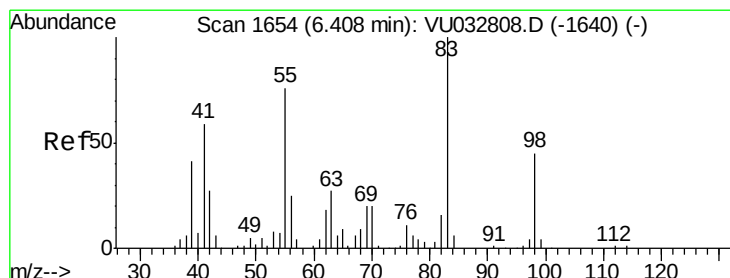
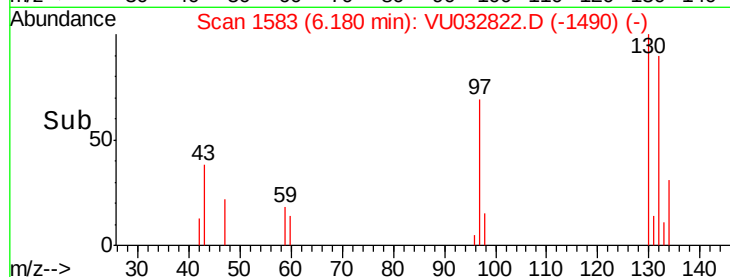
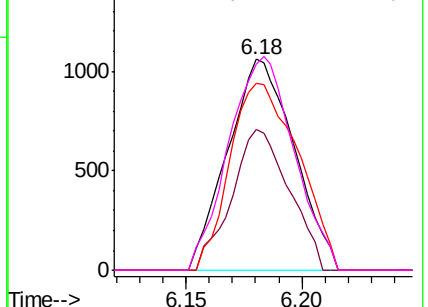


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 8.626 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032822.D

Acq: 18 Jun 2019 14:23

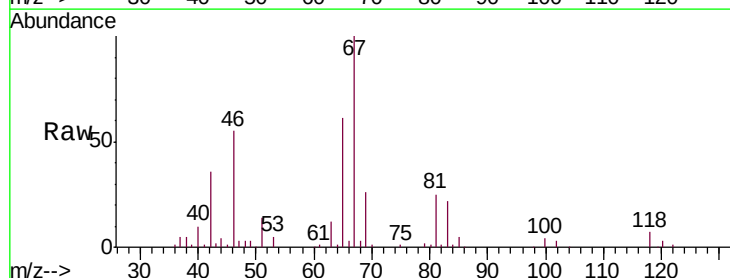
Tgt Ion: 83 Resp: 22281

Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

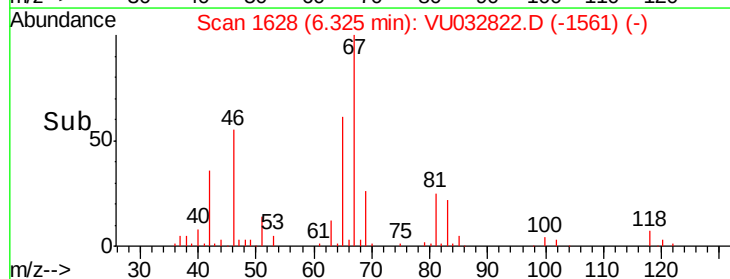
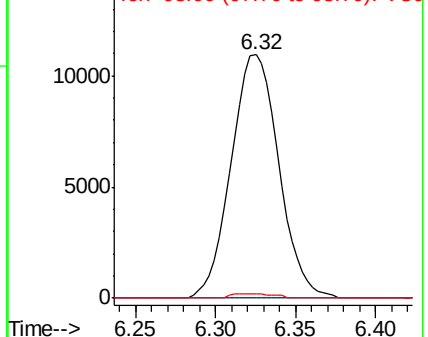
98 1.5 37.4 56.0#

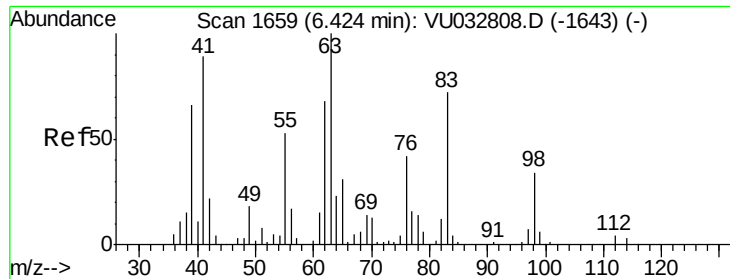


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

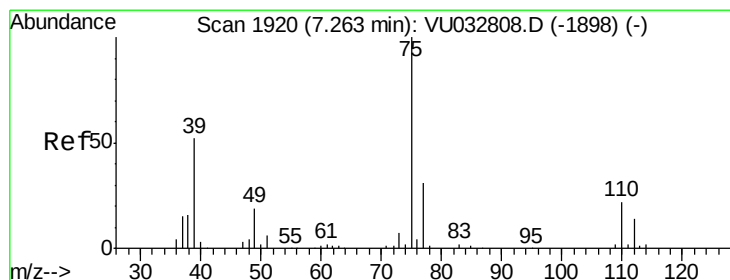
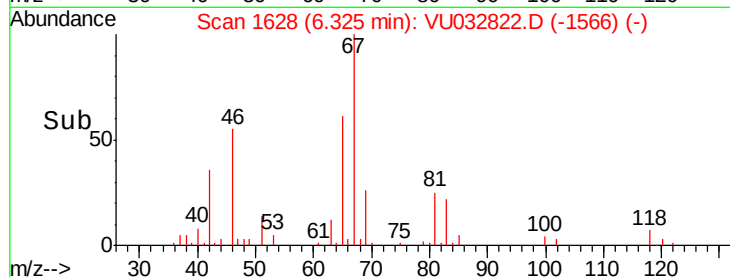
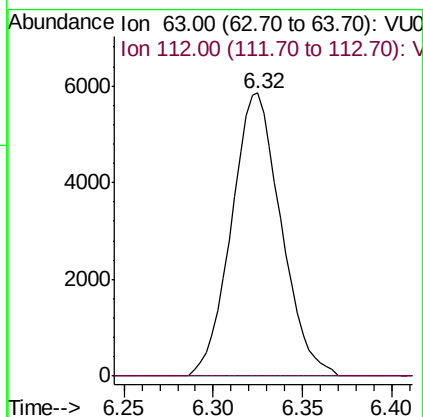
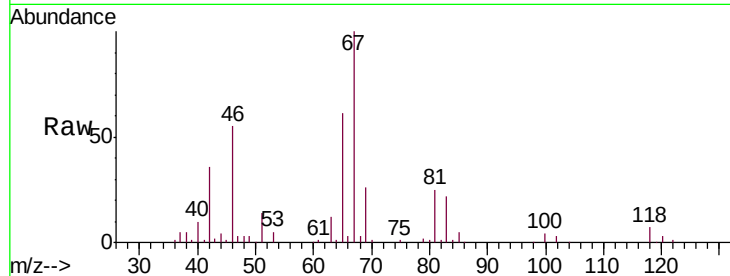




#37
 1,2-Dichloropropane
 Concen: 6.614 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032822.D
 Acq: 18 Jun 2019 14:23

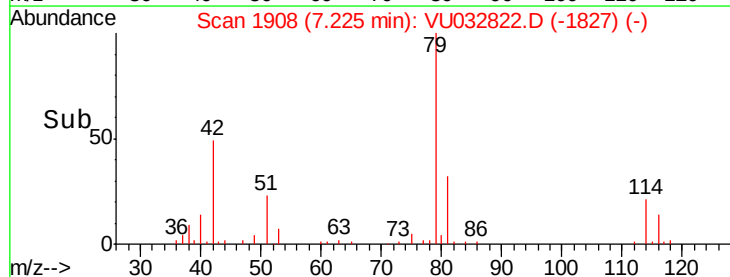
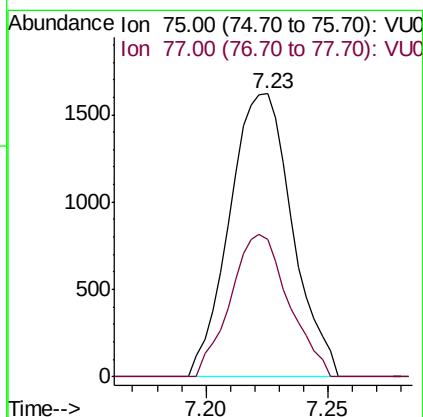
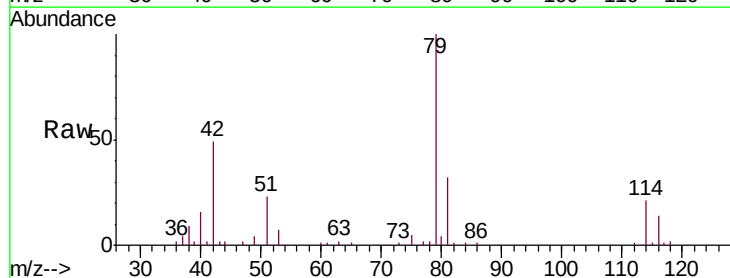
Instrument :
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 C0JT8

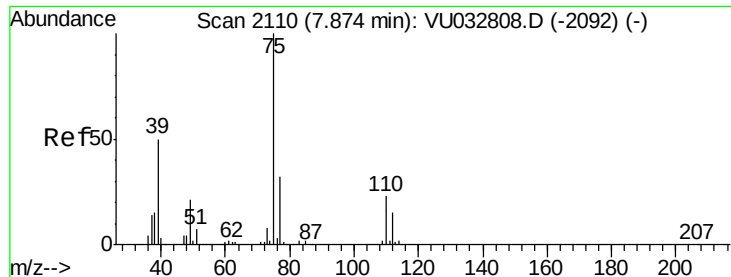
Tgt Ion: 63 Resp: 11348
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.081 ug/L
 RT: 7.23 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032822.D
 Acq: 18 Jun 2019 14:23

Tgt Ion: 75 Resp: 2889
 Ion Ratio Lower Upper
 75 100
 77 48.4 21.9 40.7#





#44

trans-1,3-Dichloropropene

Concen: 0.935 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032822.D

Acq: 18 Jun 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

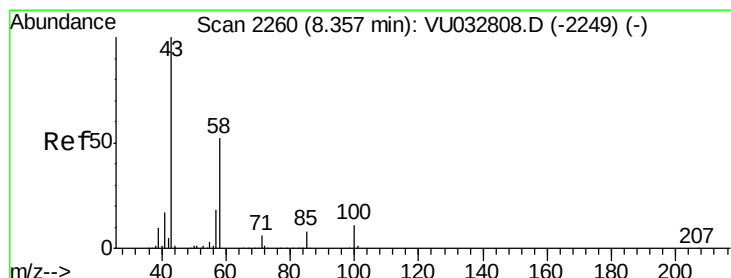
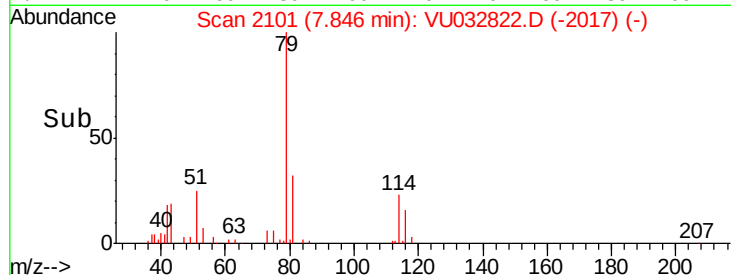
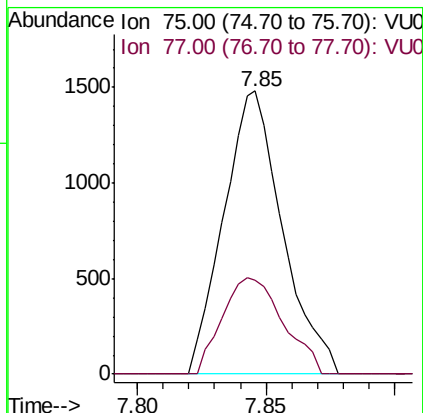
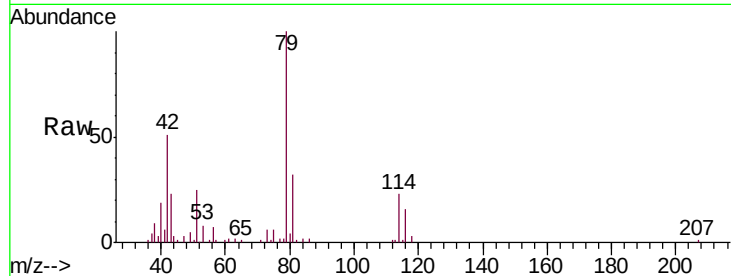
C0JT8

Tgt Ion: 75 Resp: 2348

Ion Ratio Lower Upper

75 100

77 33.2 21.8 40.4



#48

2-Hexanone

Concen: 6.934 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.05 min

Lab File: VU032822.D

Acq: 18 Jun 2019 14:23

Tgt Ion: 43 Resp: 16758

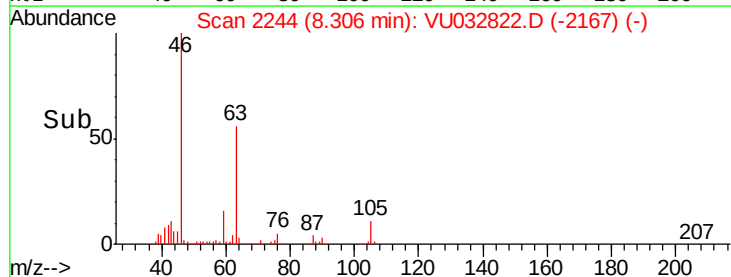
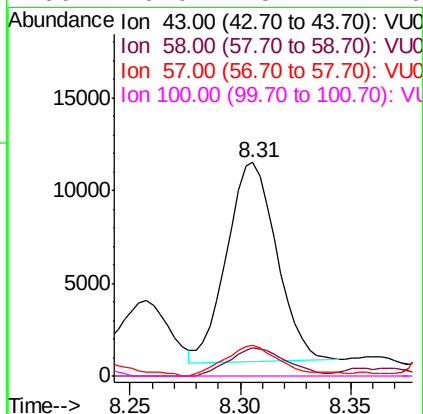
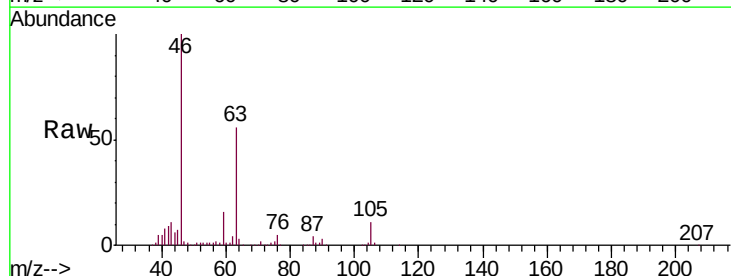
Ion Ratio Lower Upper

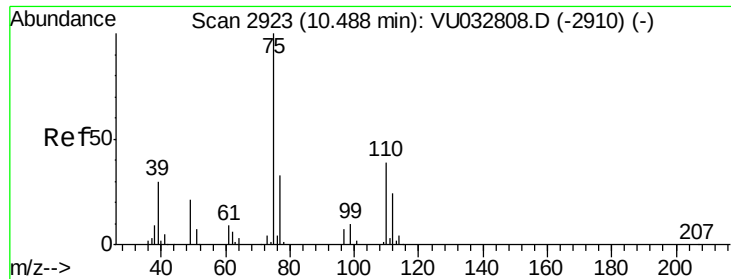
43 100

58 16.4 40.2 60.2#

57 17.7 14.2 21.4

100 0.0 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 5.706 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032822.D

Acq: 18 Jun 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

C0JT8

Tgt Ion: 75 Resp: 13065

Ion Ratio Lower Upper

75 100

77 39.4 25.5 38.3#

