

Data File : VU032819.D
Acq On : 18 Jun 2019 13:14
Operator : JC/SP
Sample : K3363-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JR1

Quant Time: Jun 19 01:32:01 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	218200	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	207422	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	98304	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	70332	47.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.32%
7) Chloroethane-d5	1.68	69	59547	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.14%
11) 1,1-Dichloroethene-d2	2.27	63	105751	35.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.40%
21) 2-Butanone-d5	4.17	46	139459	112.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.36%
24) Chloroform-d	4.64	84	143402	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
26) 1,2-Dichloroethane-d4	5.30	65	101576	52.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.20%
32) Benzene-d6	5.33	84	284584	52.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.26%
36) 1,2-Dichloropropane-d6	6.32	67	94130	54.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.30%
41) Toluene-d8	7.56	98	253467	50.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.12%
43) trans-1,3-Dichloropropene-	7.84	79	41468	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.56%
47) 2-Hexanone-d5	8.31	63	97015	120.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.62%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	135300	50.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.62%
64) 1,2-Dichlorobenzene-d4	11.85	152	102578	53.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.84%

Target Compounds

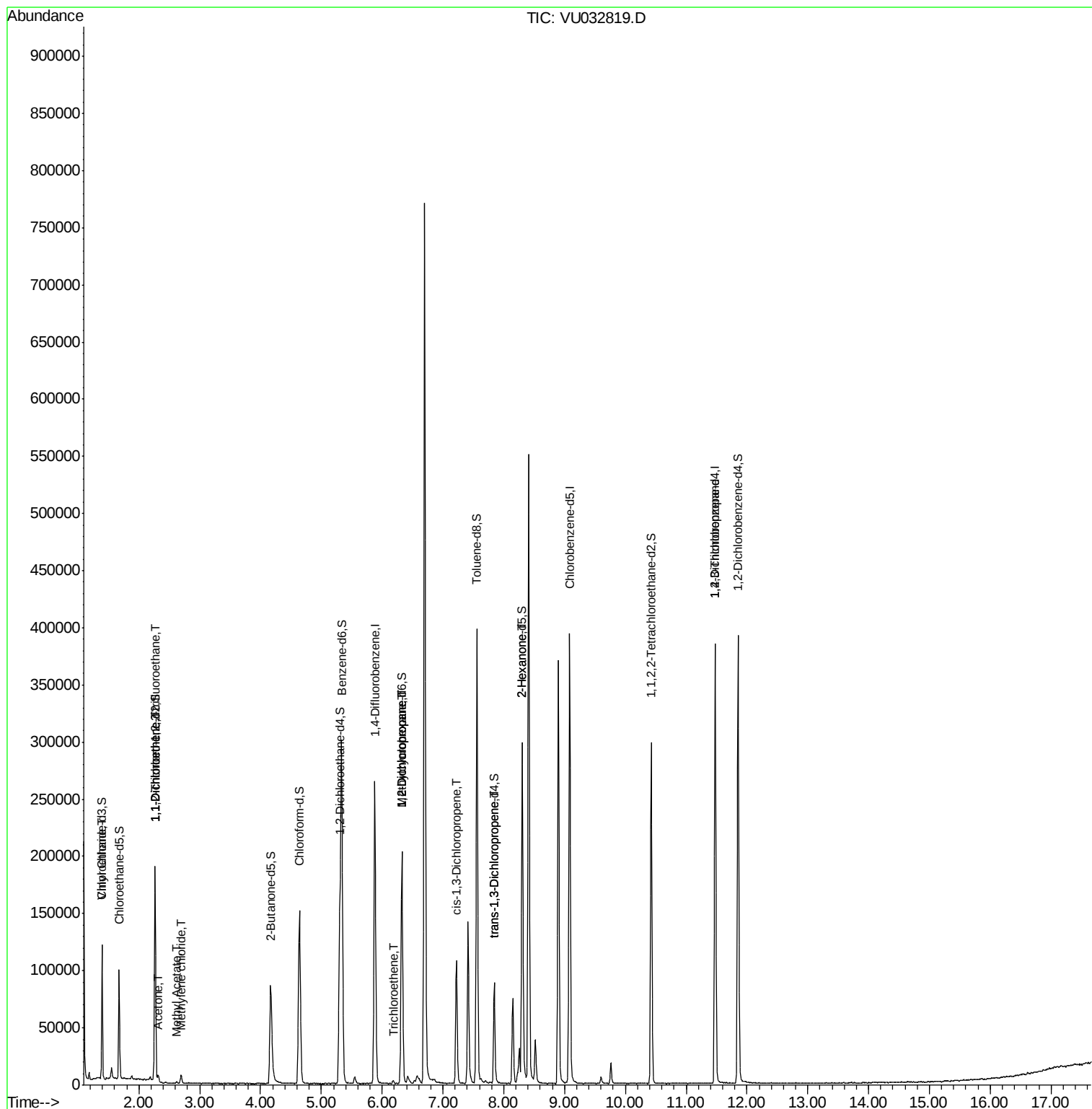
					Qvalue	
8) Chloroethane	1.40	64	1160	1.017	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	892	0.612	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	788	0.573	ug/L #	1
13) Acetone	2.32	43	5507	3.212	ug/L	98
15) Methyl Acetate	2.62	43	1943	1.000	ug/L #	90
16) Methylene chloride	2.70	84	3234	2.006	ug/L #	90
34) Trichloroethene	6.19	95	937	0.587	ug/L	98
35) Methylcyclohexane	6.32	83	21351	8.652	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	10541	6.431	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2727	1.068	ug/L #	62
44) trans-1,3-Dichloropropene	7.84	75	2329	0.971	ug/L	97
48) 2-Hexanone	8.31	43	18267	7.912	ug/L #	64
59) 1,2,3-Trichloropropane	11.48	75	13092	5.985	ug/L	92

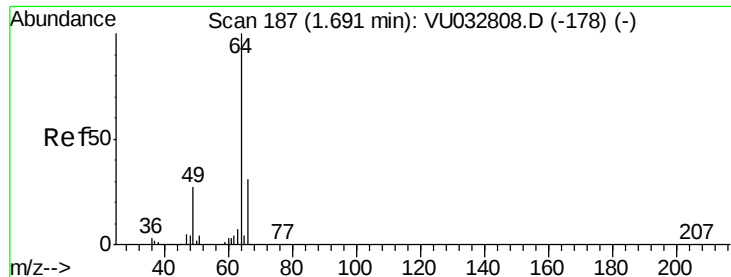
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 1.017 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032819.D

Acq: 18 Jun 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

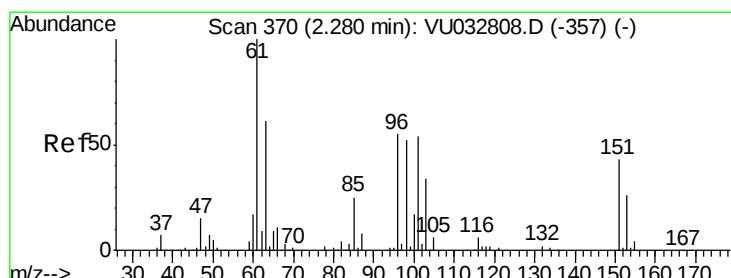
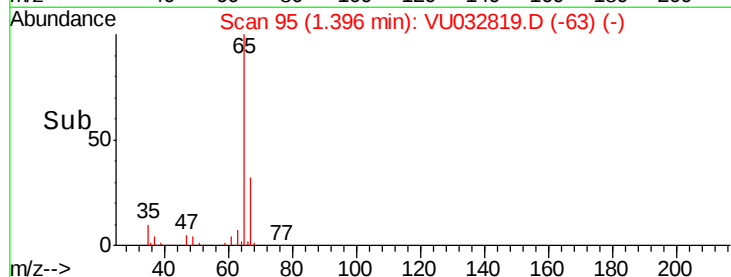
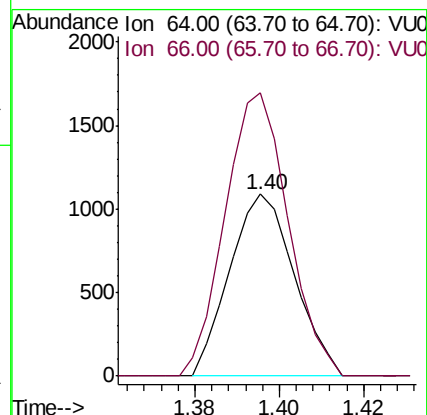
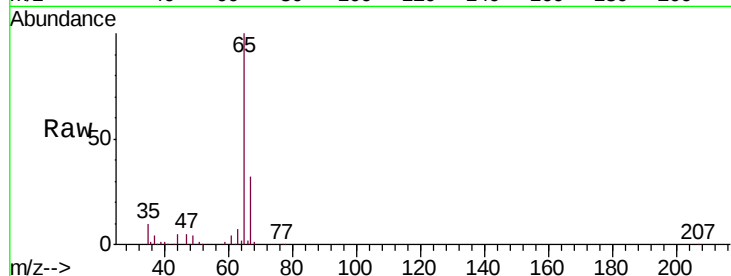
C0JR1

Tgt Ion: 64 Resp: 1160

Ion Ratio Lower Upper

64 100

66 155.6 22.5 41.7#



#10

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

Concen: 0.612 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032819.D

Acq: 18 Jun 2019 13:14

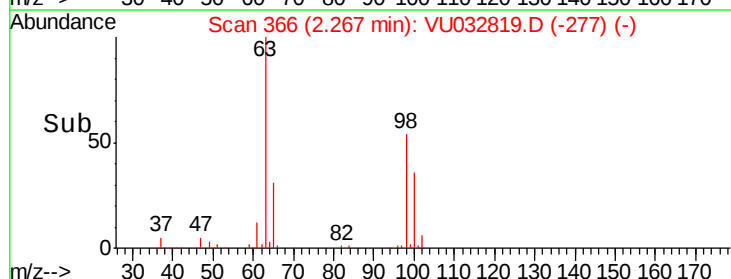
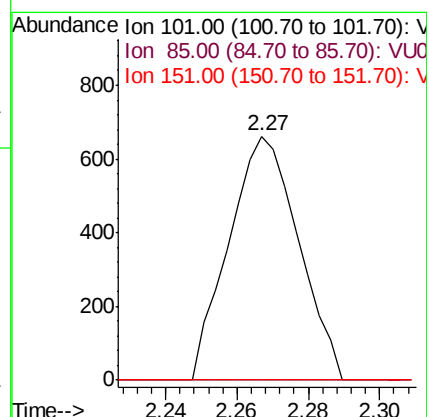
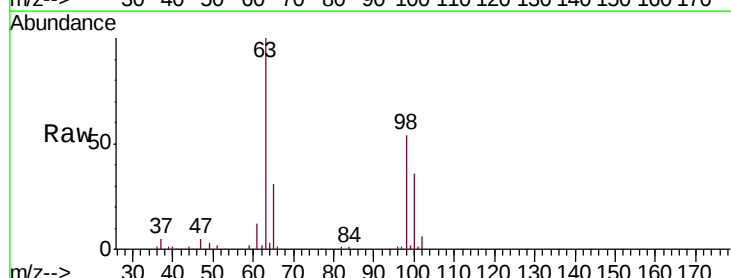
Tgt Ion: 101 Resp: 892

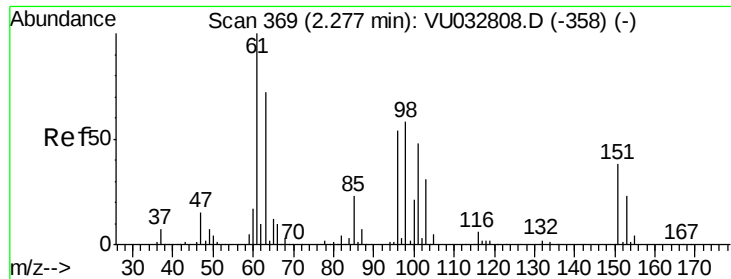
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#





#12

1,1-Dichloroethene

Concen: 0.573 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032819.D

Acq: 18 Jun 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

C0JR1

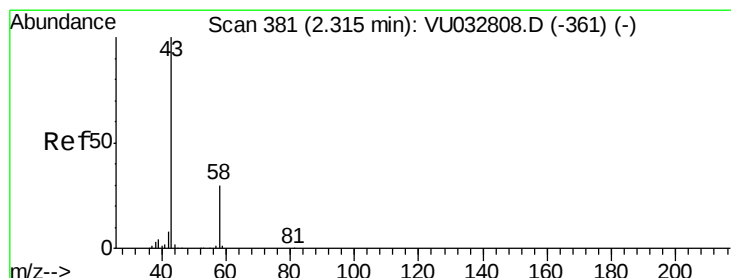
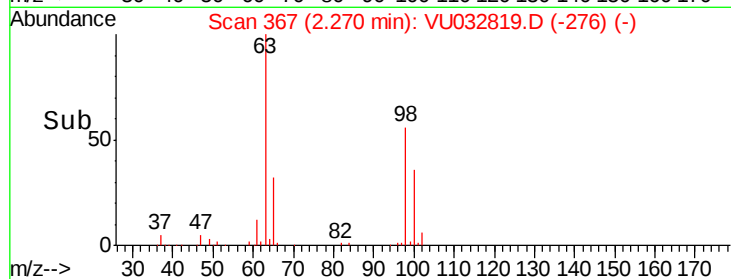
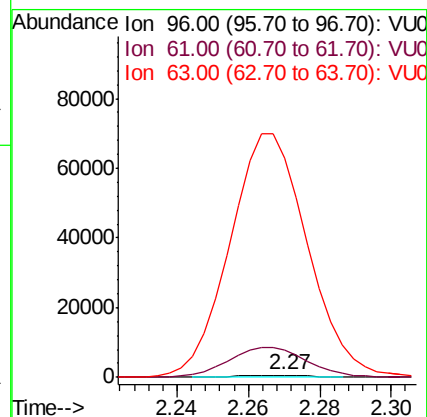
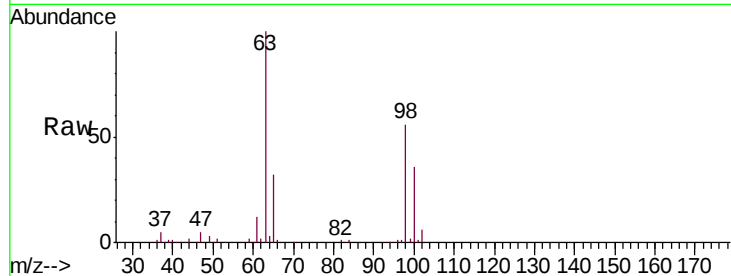
Tgt Ion: 96 Resp: 788

Ion Ratio Lower Upper

96 100

61 1401.8 131.0 243.4#

63 11327.8 101.0 187.6#



#13

Acetone

Concen: 3.212 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032819.D

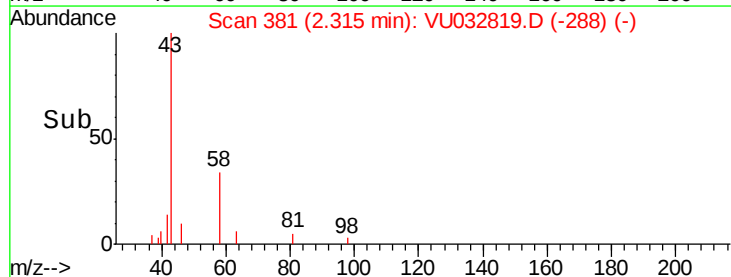
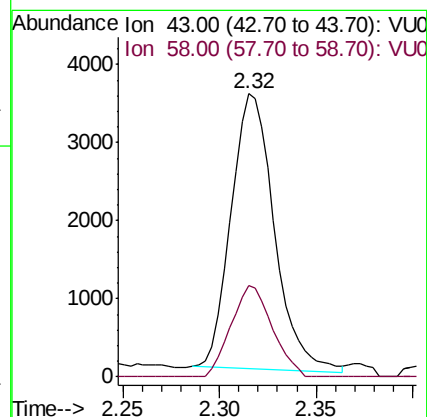
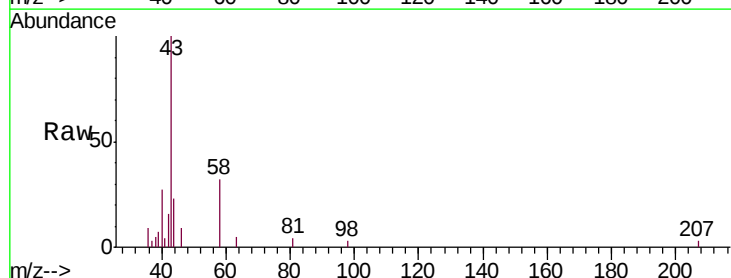
Acq: 18 Jun 2019 13:14

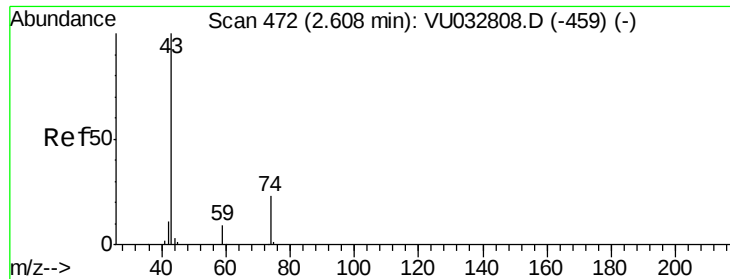
Tgt Ion: 43 Resp: 5507

Ion Ratio Lower Upper

43 100

58 31.2 0.0 60.6

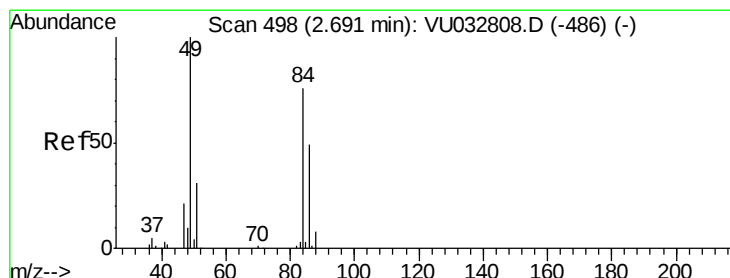
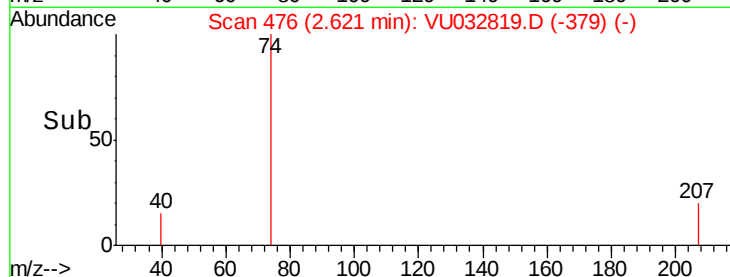
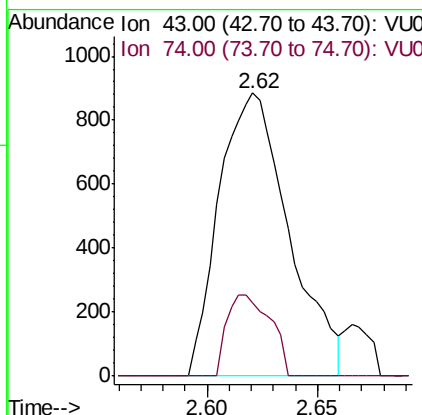
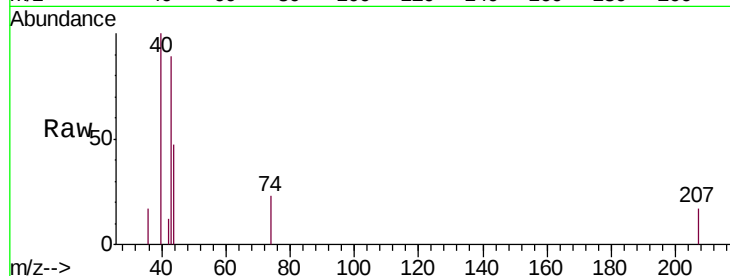




#15
Methyl Acetate
Concen: 1.000 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU032819.D
Acq: 18 Jun 2019 13:14

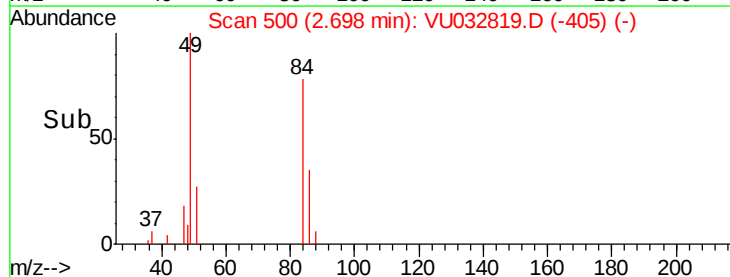
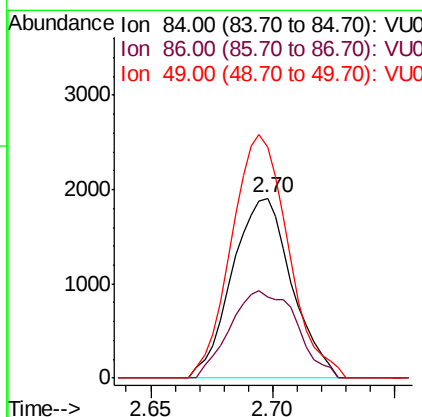
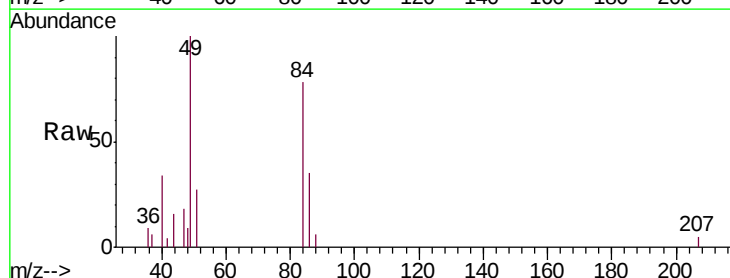
Instrument :
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ClientSampleId :
C0JR1

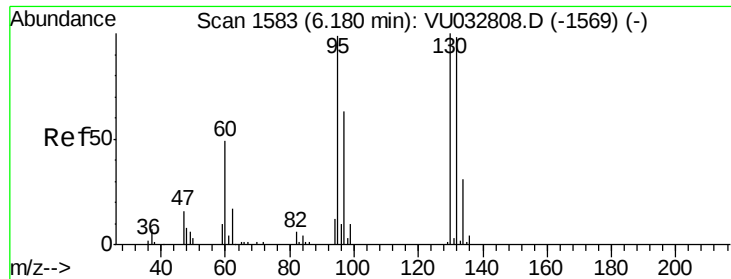
Tgt Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
74 17.9 18.1 27.1#



#16
Methylene chloride
Concen: 2.006 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.01 min
Lab File: VU032819.D
Acq: 18 Jun 2019 13:14

Tgt Ion: 84 Resp: 3234
Ion Ratio Lower Upper
84 100
86 45.4 45.5 84.5#
49 128.7 92.1 171.1

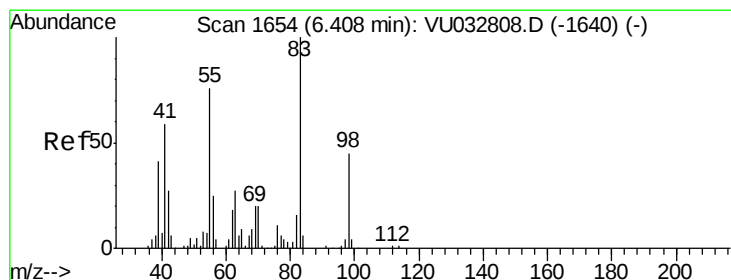
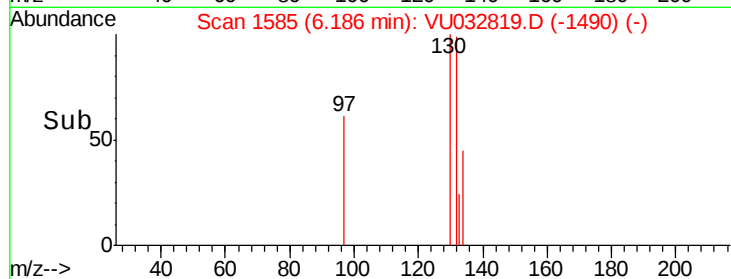
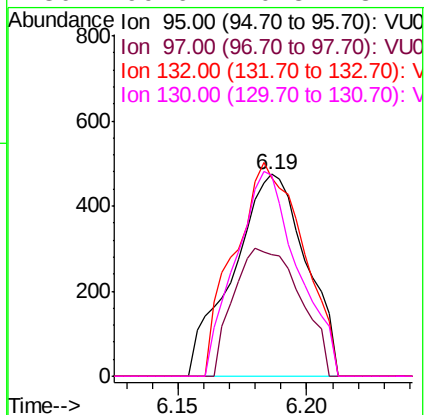
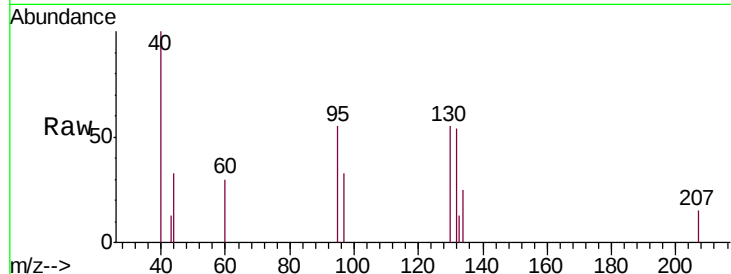




#34
 Trichloroethene
 Concen: 0.587 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU032819.D
 Acq: 18 Jun 2019 13:14

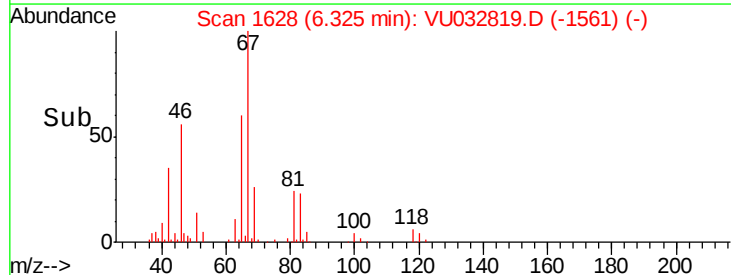
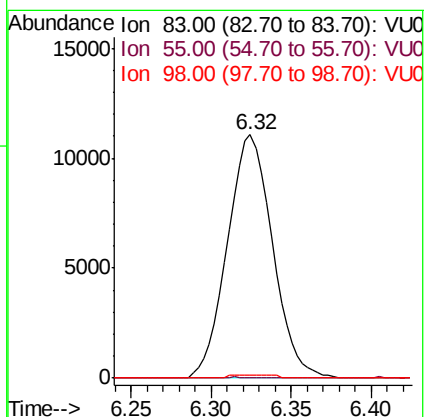
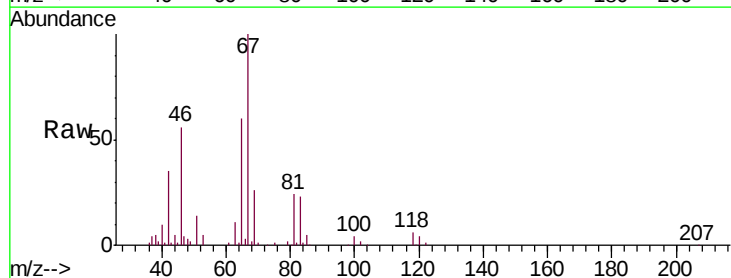
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JR1

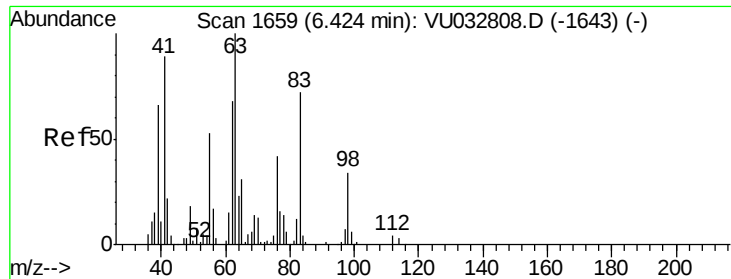
Tgt Ion:	95	Resp:	937
Ion	Ratio	Lower	Upper
95	100		
97	60.3	45.9	85.3
132	98.5	68.5	127.3
130	99.6	70.8	131.4



#35
 Methylcyclohexane
 Concen: 8.652 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.08 min
 Lab File: VU032819.D
 Acq: 18 Jun 2019 13:14

Tgt Ion:	83	Resp:	21351
Ion	Ratio	Lower	Upper
83	100		
55	1.0	62.6	94.0#
98	1.3	37.4	56.0#

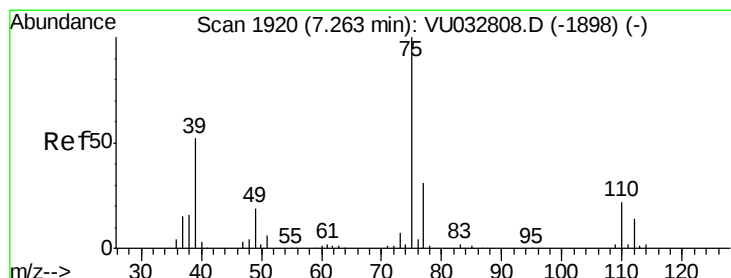
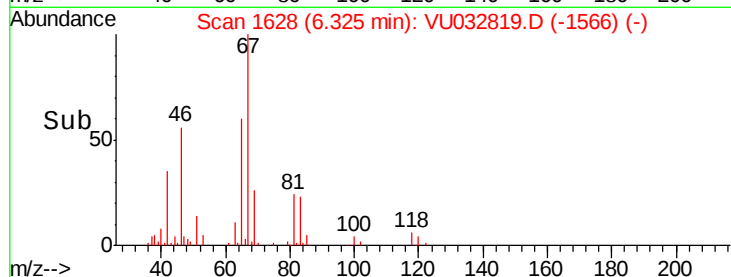
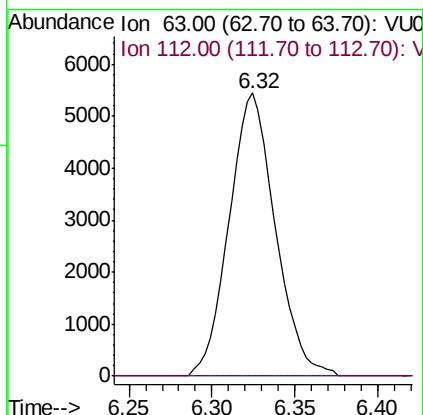
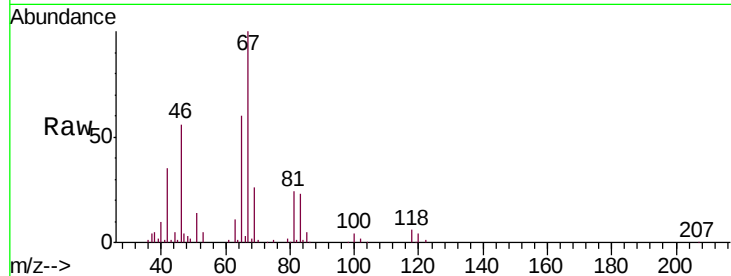




#37
 1,2-Dichloropropane
 Concen: 6.431 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032819.D
 Acq: 18 Jun 2019 13:14

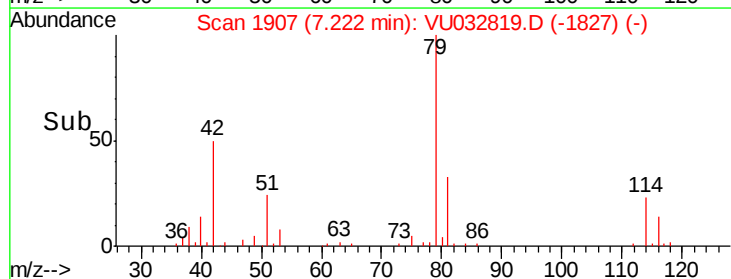
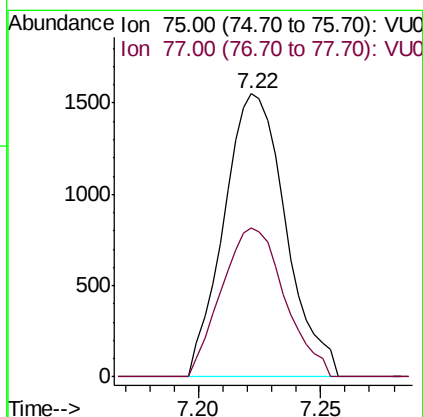
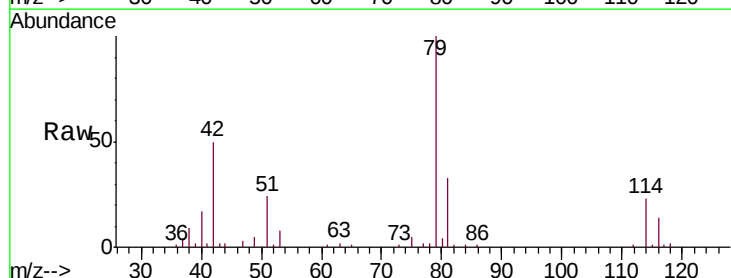
Instrument :
 MSVOA_U
 ClientSampleId :
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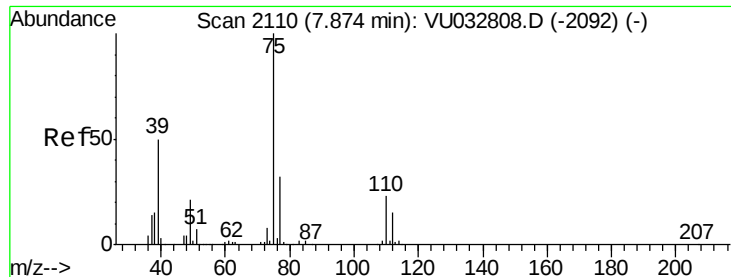
Tgt Ion: 63 Resp: 10541
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.068 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032819.D
 Acq: 18 Jun 2019 13:14

Tgt Ion: 75 Resp: 2727
 Ion Ratio Lower Upper
 75 100
 77 52.5 21.9 40.7#





#44

trans-1,3-Dichloropropene

Concen: 0.971 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032819.D

Acq: 18 Jun 2019 13:14

Instrument :

MSVOA_U

ClientSampled :

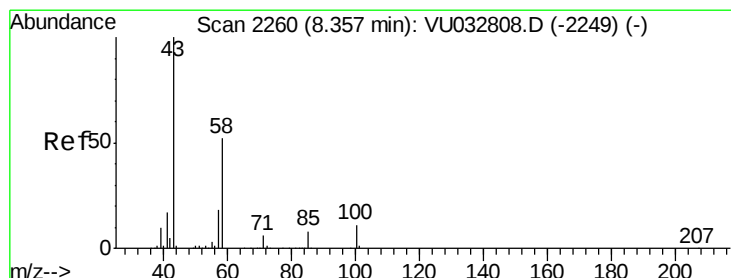
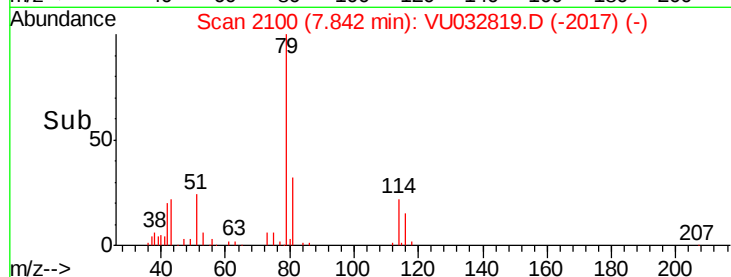
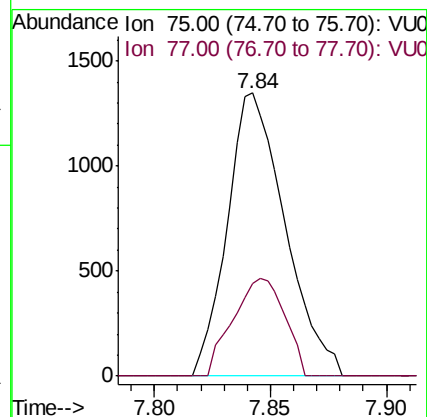
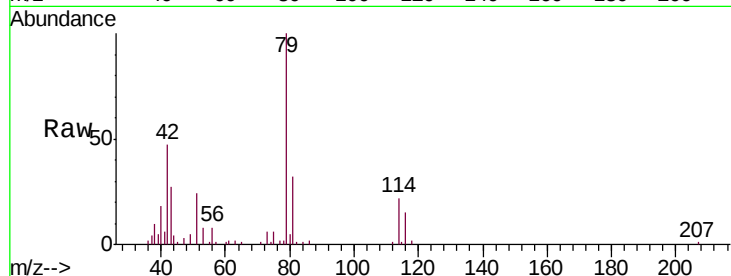
C0JR1

Tgt Ion: 75 Resp: 2329

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.4



#48

2-Hexanone

Concen: 7.912 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.05 min

Lab File: VU032819.D

Acq: 18 Jun 2019 13:14

Tgt Ion: 43 Resp: 18267

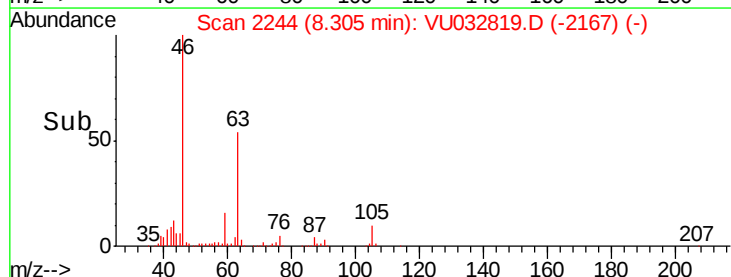
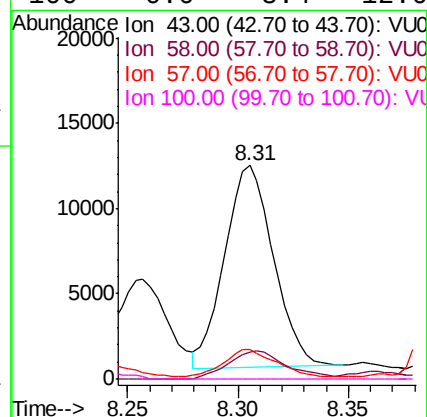
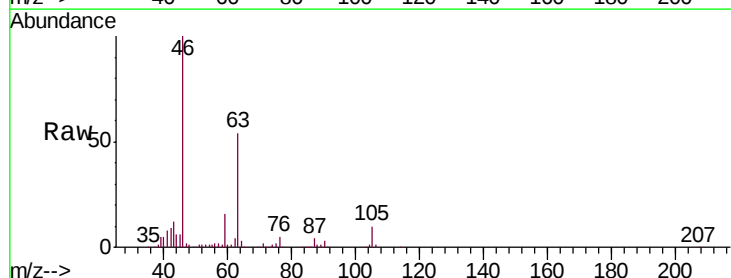
Ion Ratio Lower Upper

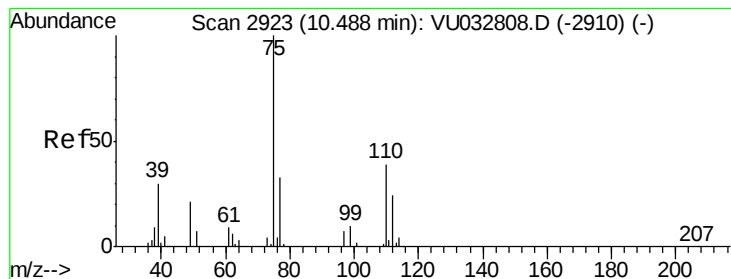
43 100

58 16.5 40.2 60.2#

57 16.1 14.2 21.4

100 0.0 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 5.985 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032819.D

Acq: 18 Jun 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

C0JR1

Tgt Ion: 75 Resp: 13092

Ion Ratio Lower Upper

75 100

77 36.3 25.5 38.3

