

Data File : VU032821.D
Acq On : 18 Jun 2019 14:00
Operator : JC/SP
Sample : K3363-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JS9

Quant Time: Jun 19 01:32:23 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	205111	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	197112	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96514	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66626	47.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.06%
7) Chloroethane-d5	1.68	69	59648	53.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.70%
11) 1,1-Dichloroethene-d2	2.26	63	99513	35.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.48%
21) 2-Butanone-d5	4.17	46	140600	120.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.51%
24) Chloroform-d	4.64	84	141584	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.92%
26) 1,2-Dichloroethane-d4	5.30	65	101562	55.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.90%
32) Benzene-d6	5.33	84	274532	53.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.86%
36) 1,2-Dichloropropane-d6	6.32	67	91651	55.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.98%
41) Toluene-d8	7.56	98	243973	50.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.84	79	40774	47.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.78%
47) 2-Hexanone-d5	8.31	63	99975	130.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	130.80%#
57) 1,1,2,2-Tetrachloroethane-	10.42	84	138113	54.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.16%
64) 1,2-Dichlorobenzene-d4	11.85	152	102140	54.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.38%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	1210	1.129	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	853	0.622	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	716	0.554	ug/L #	1
13) Acetone	2.32	43	6212	3.855	ug/L	99
15) Methyl Acetate	2.61	43	3130	1.713	ug/L	99
16) Methylene chloride	2.69	84	3046	2.010	ug/L	94
20) cis-1,2-Dichloroethene	4.21	96	2086	1.367	ug/L	88
33) Benzene	5.33	78	2291	0.403	ug/L	100
35) Methylcyclohexane	6.32	83	21089	8.993	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	11096	7.124	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2835	1.168	ug/L #	77
40) 4-Methyl-2-pentanone	7.41	43	55698	22.398	ug/L #	53
42) Toluene	7.63	91	3198	0.521	ug/L	92
44) trans-1,3-Dichloropropene	7.85	75	2084	0.914	ug/L #	80
48) 2-Hexanone	8.31	43	17365	7.914	ug/L #	65
59) 1,2,3-Trichloropropane	11.48	75	12769	6.143	ug/L	91

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

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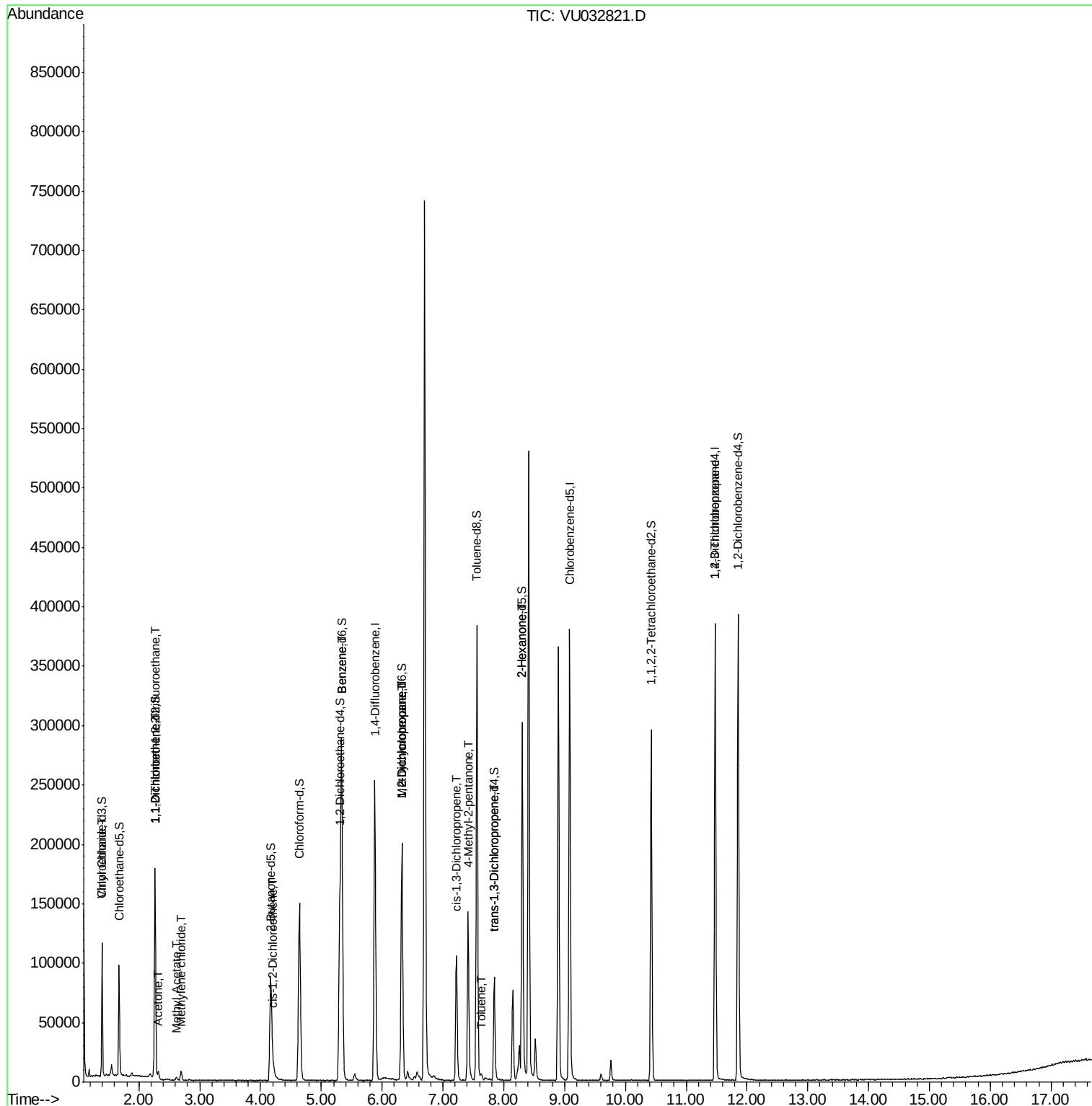
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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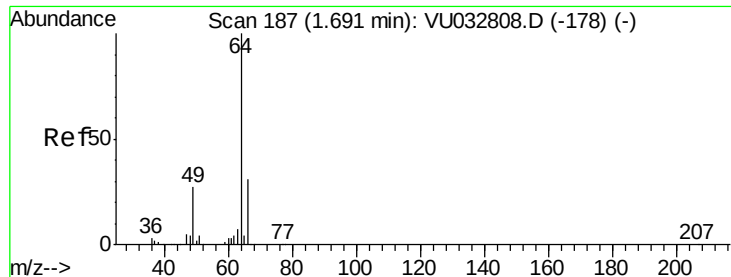
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 1.129 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032821.D

Acq: 18 Jun 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

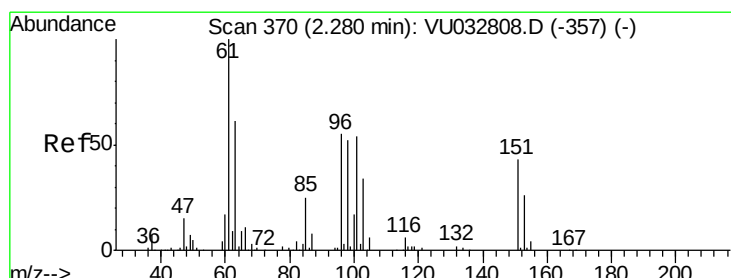
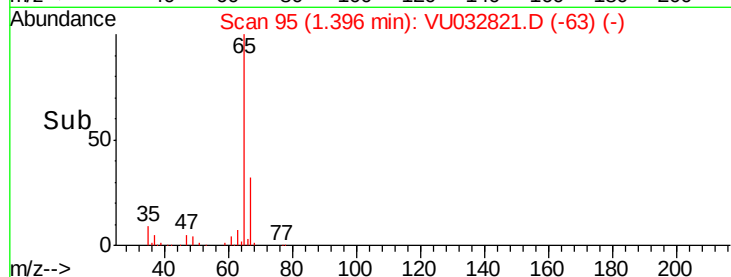
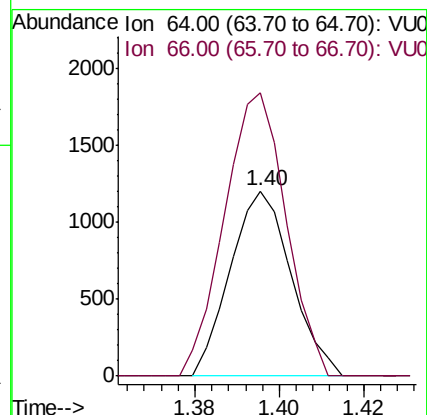
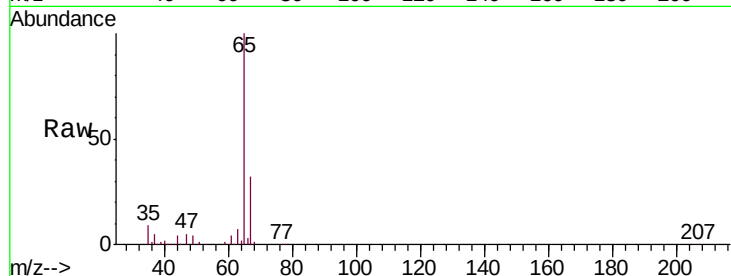
C0JS9

Tgt Ion: 64 Resp: 1210

Ion Ratio Lower Upper

64 100

66 153.0 22.5 41.7#



#10

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

Concen: 0.622 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032821.D

Acq: 18 Jun 2019 14:00

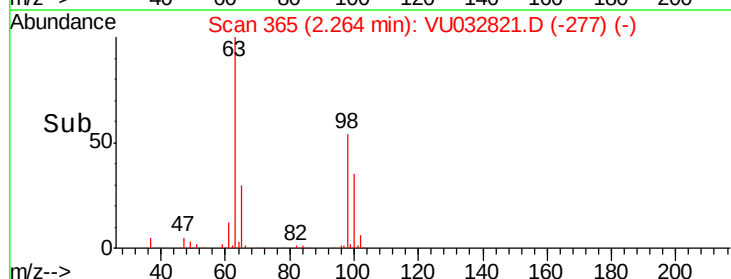
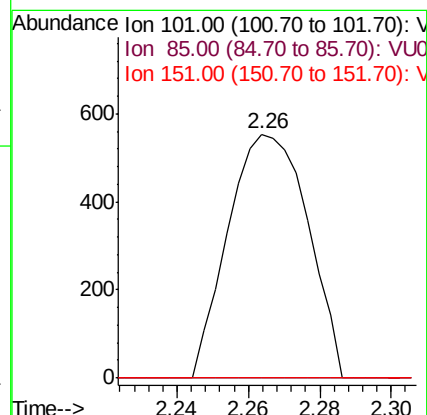
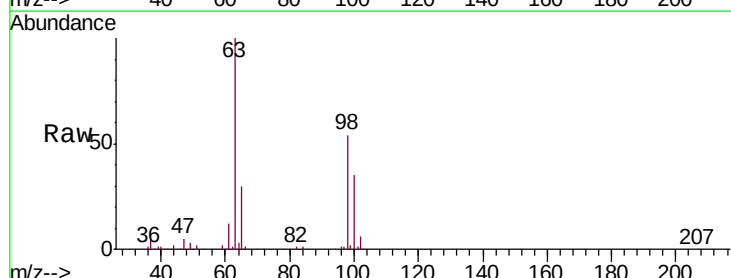
Tgt Ion: 101 Resp: 853

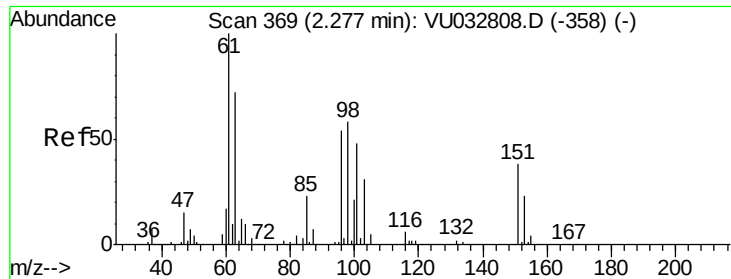
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#

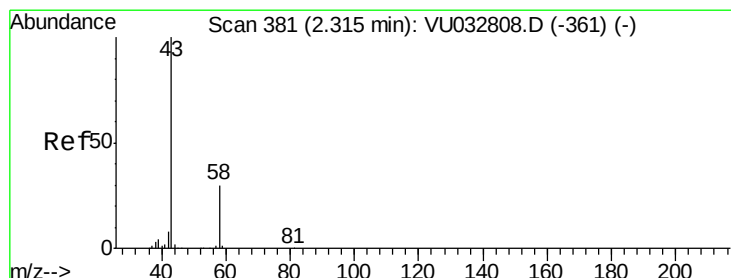
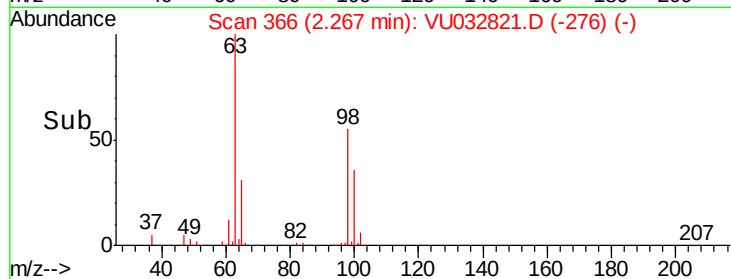
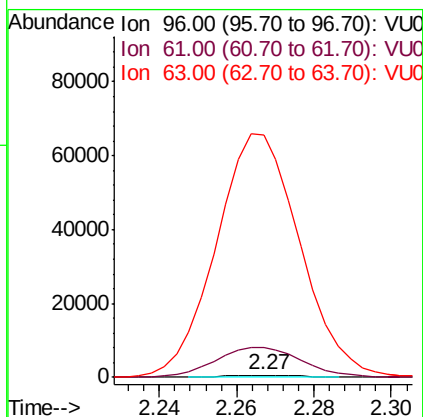
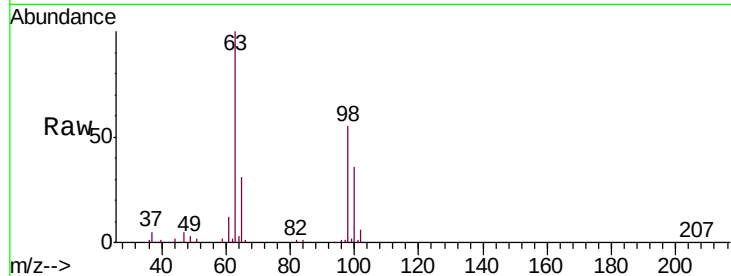




#12
 1,1-Dichloroethene
 Concen: 0.554 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU032821.D
 Acq: 18 Jun 2019 14:00

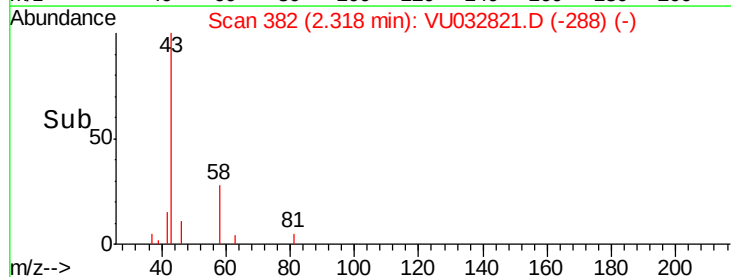
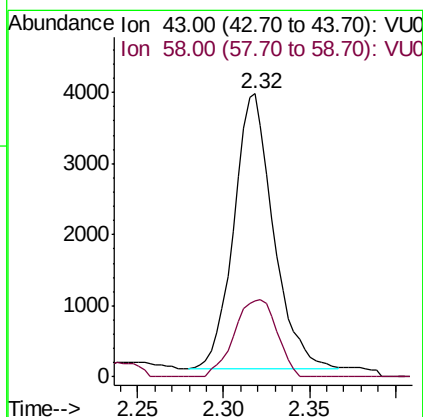
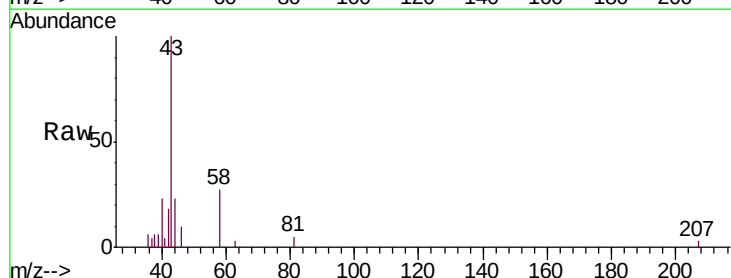
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JS9

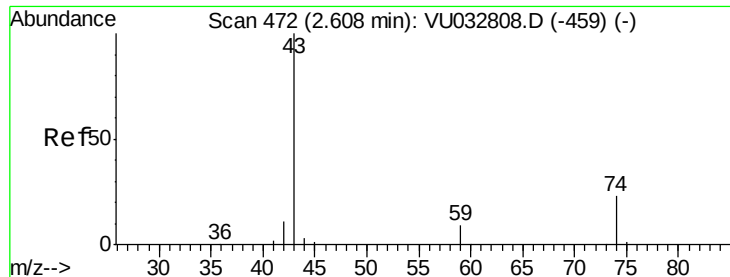
Tgt Ion: 96 Resp: 716
 Ion Ratio Lower Upper
 96 100
 61 1457.4 131.0 243.4#
 63 11926.0 101.0 187.6#



#13
 Acetone
 Concen: 3.855 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU032821.D
 Acq: 18 Jun 2019 14:00

Tgt Ion: 43 Resp: 6212
 Ion Ratio Lower Upper
 43 100
 58 30.0 0.0 60.6

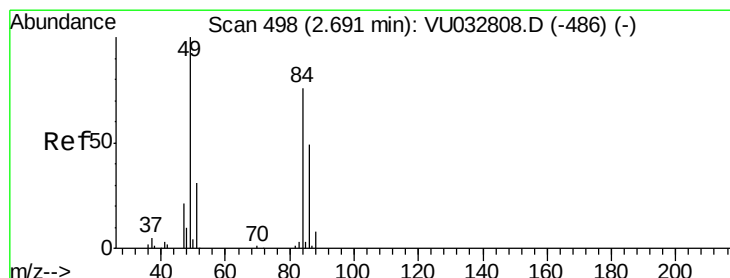
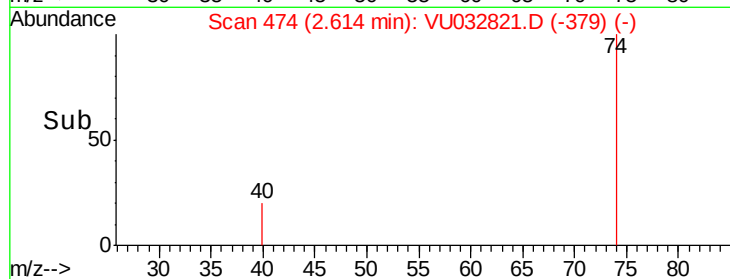
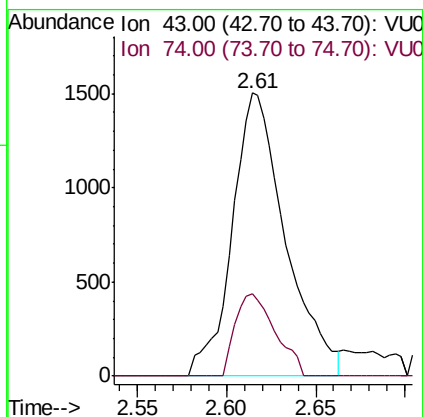
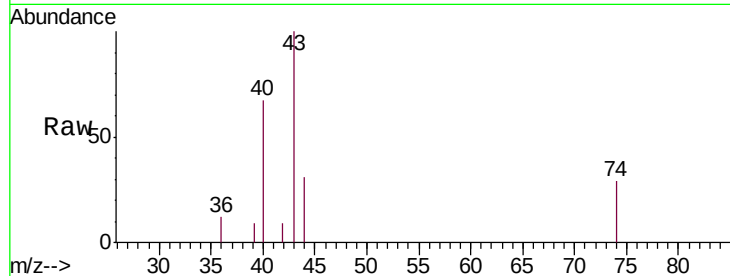




#15
Methyl Acetate
Concen: 1.713 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.01 min
Lab File: VU032821.D
Acq: 18 Jun 2019 14:00

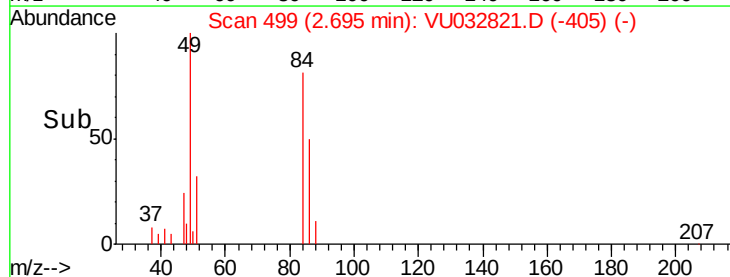
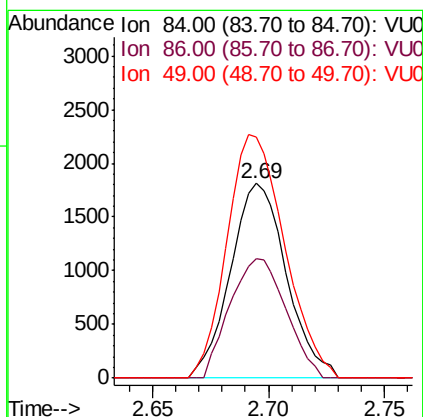
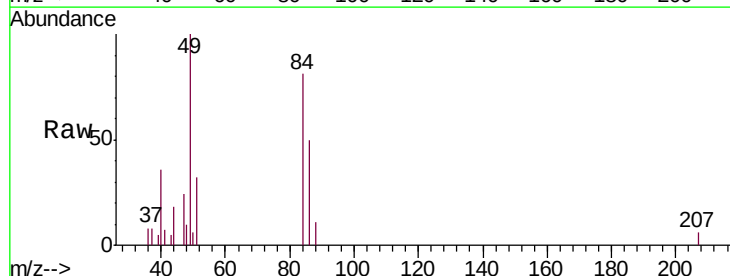
Instrument :
MSVOA_U
ClientSampleId :
C0JS9

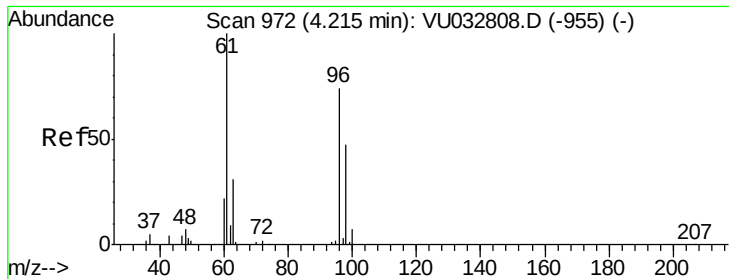
Tgt Ion: 43 Resp: 3130
Ion Ratio Lower Upper
43 100
74 21.9 18.1 27.1



#16
Methylene chloride
Concen: 2.010 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032821.D
Acq: 18 Jun 2019 14:00

Tgt Ion: 84 Resp: 3046
Ion Ratio Lower Upper
84 100
86 61.7 45.5 84.5
49 123.7 92.1 171.1





#20

cis-1,2-Dichloroethene

Concen: 1.367 ug/L

RT: 4.21 min Scan# 971

Delta R.T. -0.00 min

Lab File: VU032821.D

Acq: 18 Jun 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

C0JS9

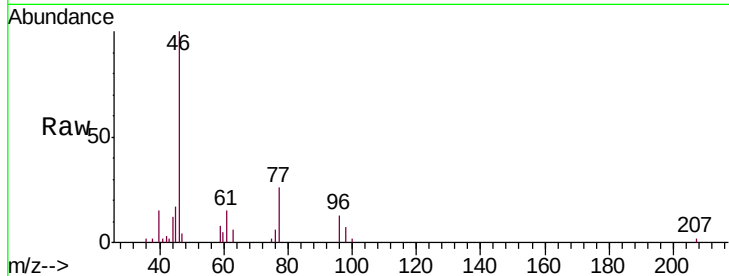
Tgt Ion: 96 Resp: 2086

Ion Ratio Lower Upper

96 100

61 118.2 92.4 171.6

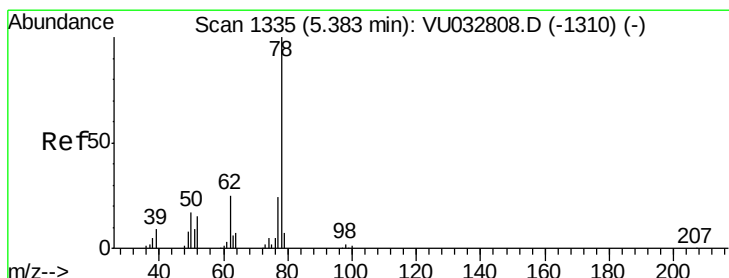
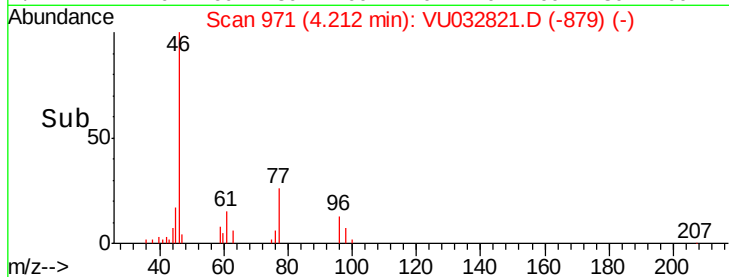
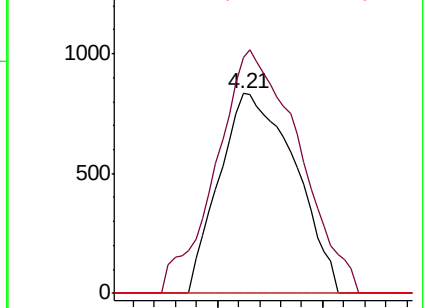
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032808.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU032808.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU032808.D (-955) (-)



#33

Benzene

Concen: 0.403 ug/L

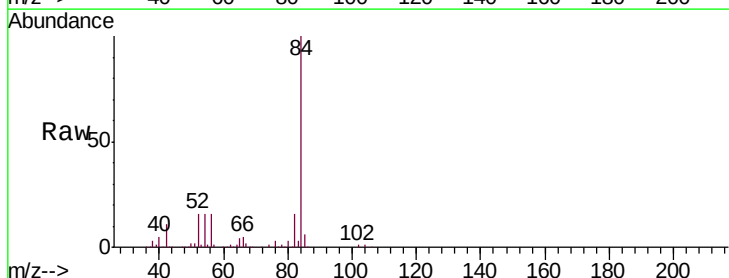
RT: 5.33 min Scan# 1320

Delta R.T. -0.05 min

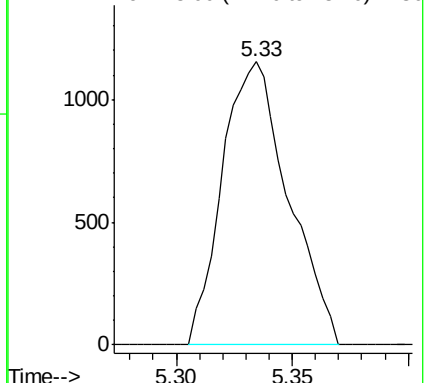
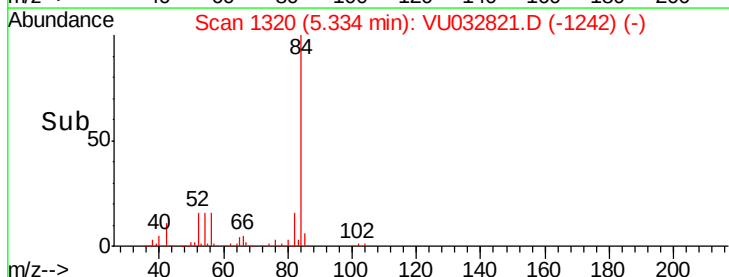
Lab File: VU032821.D

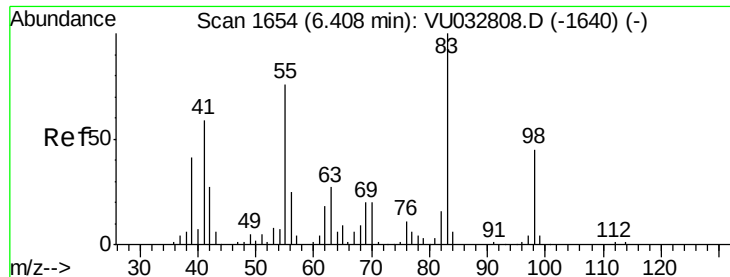
Acq: 18 Jun 2019 14:00

Tgt Ion: 78 Resp: 2291



Abundance Ion 78.00 (77.70 to 78.70): VU032808.D (-1310) (-)

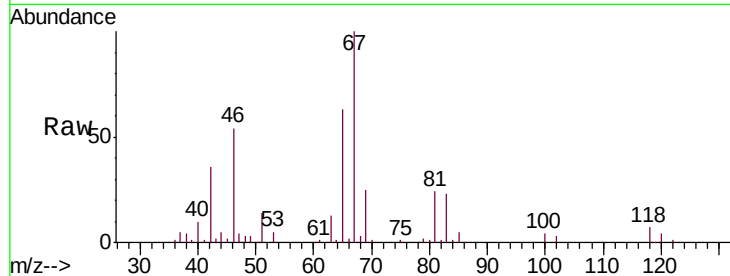




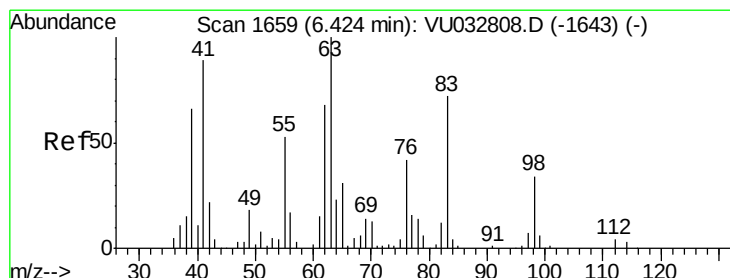
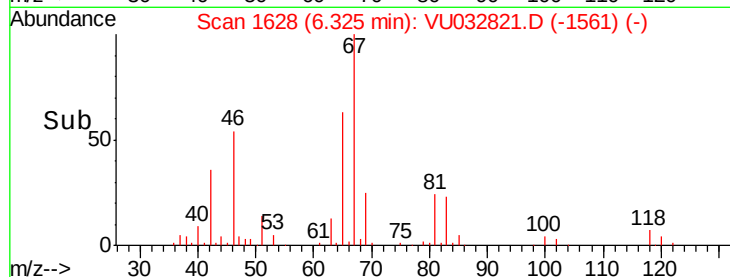
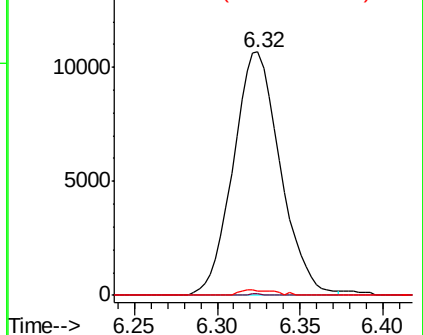
#35
Methylcyclohexane
Concen: 8.993 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032821.D
Acq: 18 Jun 2019 14:00

Instrument :
MSVOA_U
ClientSampleId :
C0JS9

Tgt Ion: 83 Resp: 21089
Ion Ratio Lower Upper
83 100
55 0.2 62.6 94.0#
98 1.0 37.4 56.0#

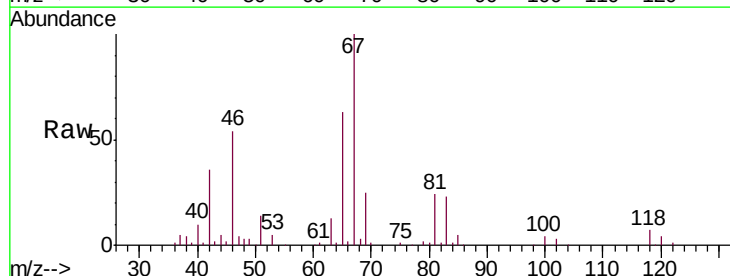


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

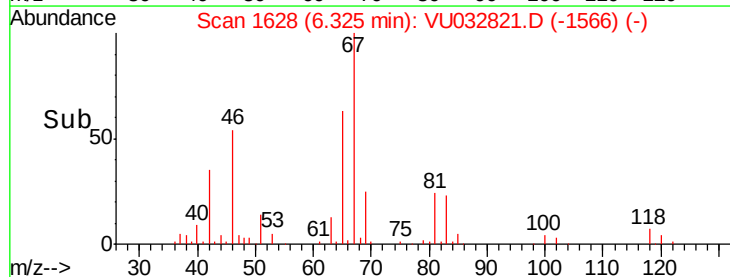
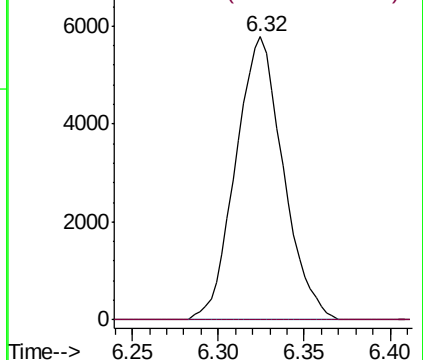


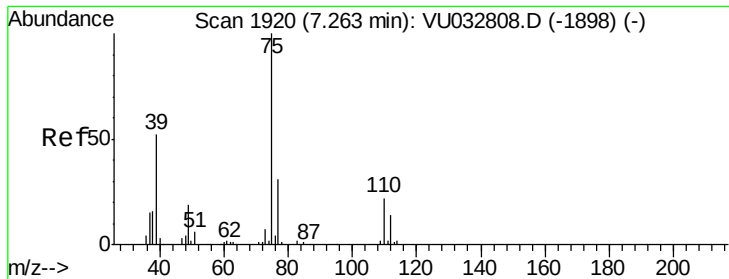
#37
1,2-Dichloropropane
Concen: 7.124 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032821.D
Acq: 18 Jun 2019 14:00

Tgt Ion: 63 Resp: 11096
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.168 ug/L

RT: 7.22 min Scan# 1906

Delta R.T. -0.04 min

Lab File: VU032821.D

Acq: 18 Jun 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

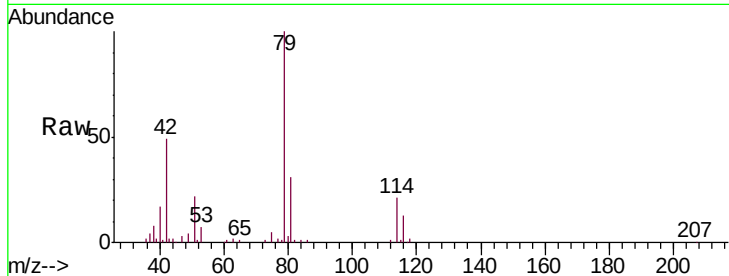
C0JS9

Tgt Ion: 75 Resp: 2835

Ion Ratio Lower Upper

75 100

77 44.0 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

2000

1500

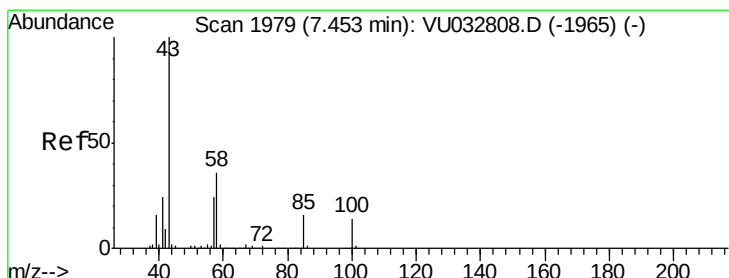
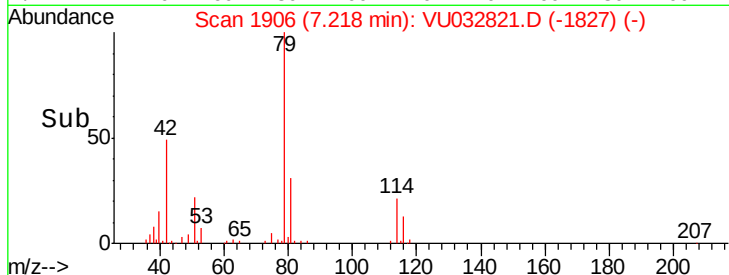
1000

500

0

7.18 7.20 7.22 7.24 7.26

Time-->



#40

4-Methyl-2-pentanone

Concen: 22.398 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. -0.04 min

Lab File: VU032821.D

Acq: 18 Jun 2019 14:00

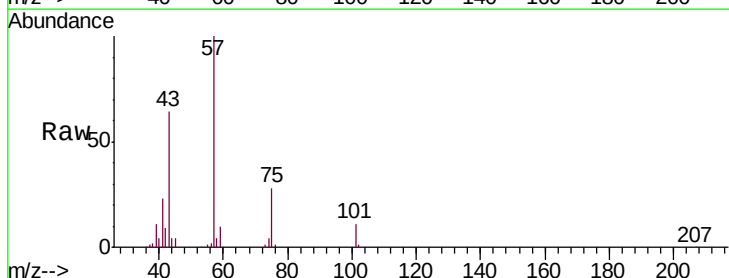
Tgt Ion: 43 Resp: 55698

Ion Ratio Lower Upper

43 100

58 5.8 29.4 44.2#

100 0.3 11.2 16.8#



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

120000

100000

80000

60000

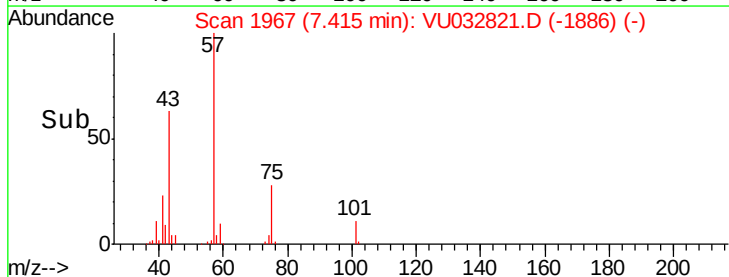
40000

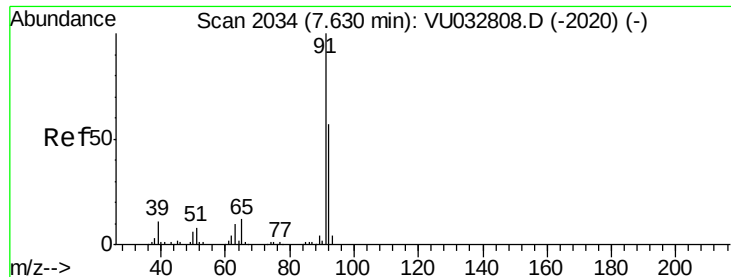
20000

0

7.30 7.40 7.50

Time-->





#42

Toluene

Concen: 0.521 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032821.D

Acq: 18 Jun 2019 14:00

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ClientSampleId :

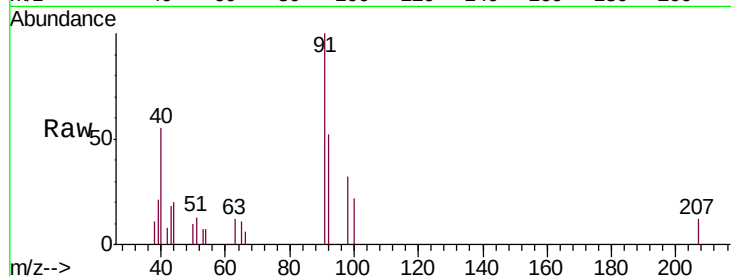
C0JS9

Tgt Ion: 91 Resp: 3198

Ion Ratio Lower Upper

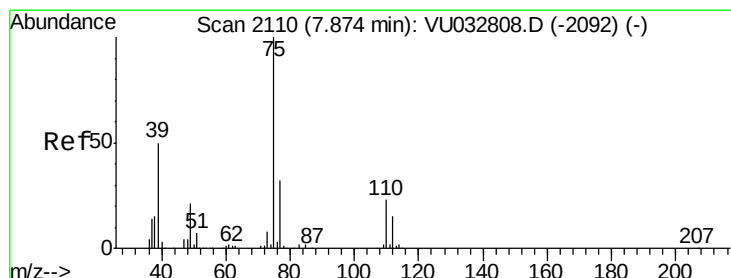
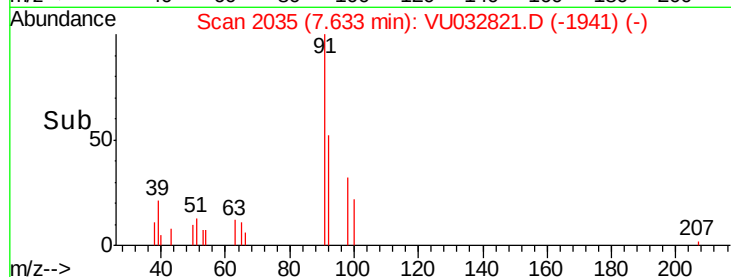
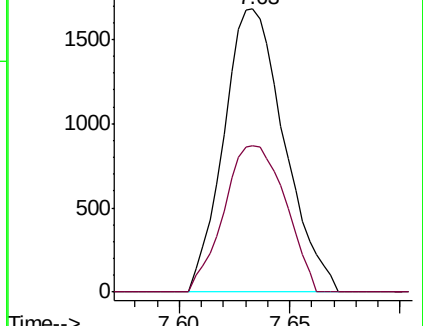
91 100

92 51.9 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032808.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032808.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.914 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032821.D

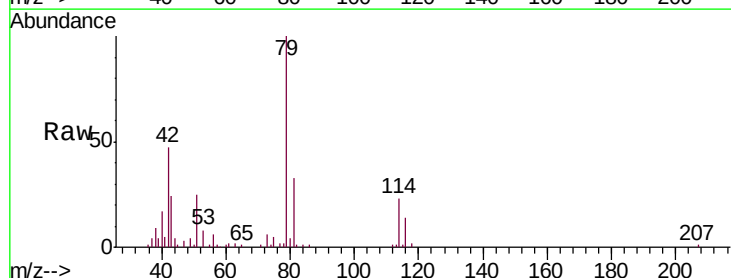
Acq: 18 Jun 2019 14:00

Tgt Ion: 75 Resp: 2084

Ion Ratio Lower Upper

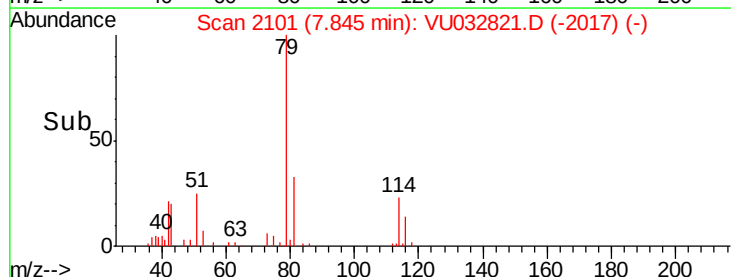
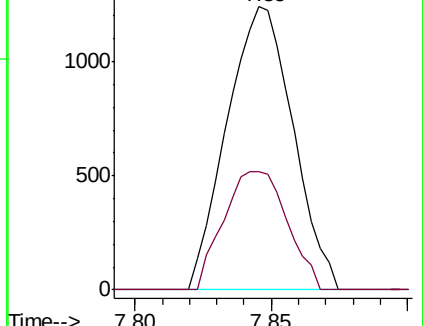
75 100

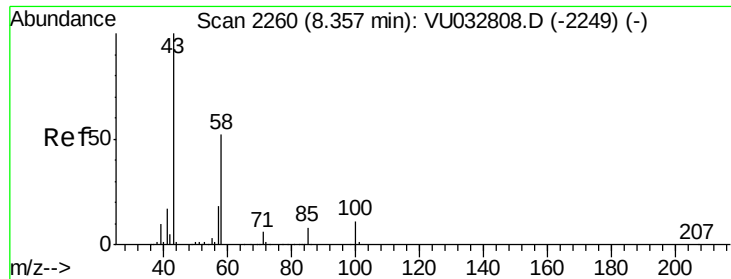
77 42.0 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU032808.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU032808.D (-2092) (-)

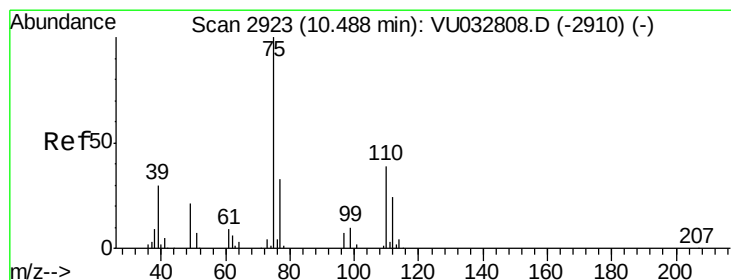
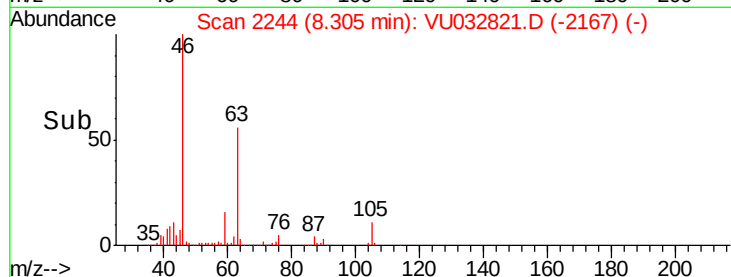
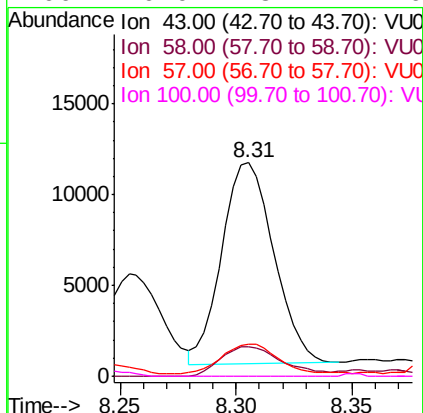
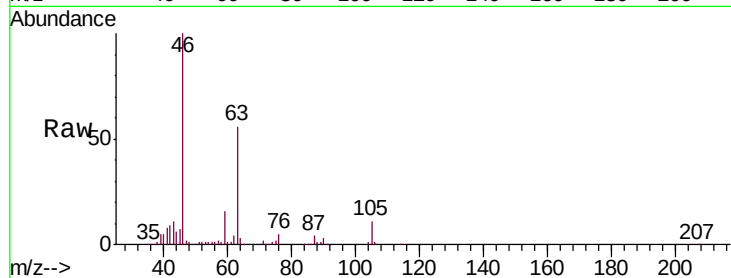




#48
 2-Hexanone
 Concen: 7.914 ug/L
 RT: 8.31 min Scan# 2244
 Delta R.T. -0.05 min
 Lab File: VU032821.D
 Acq: 18 Jun 2019 14:00

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JS9

Tgt Ion: 43 Resp: 17365
 Ion Ratio Lower Upper
 43 100
 58 17.5 40.2 60.2#
 57 18.7 14.2 21.4
 100 0.0 8.4 12.6#



#59
 1,2,3-Trichloropropane
 Concen: 6.143 ug/L
 RT: 11.48 min Scan# 3230
 Delta R.T. 0.99 min
 Lab File: VU032821.D
 Acq: 18 Jun 2019 14:00

Tgt Ion: 75 Resp: 12769
 Ion Ratio Lower Upper
 75 100
 77 36.7 25.5 38.3

