

Data File : VU032820.D
Acq On : 18 Jun 2019 13:37
Operator : JC/SP
Sample : K3363-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JR2

Quant Time: Jun 19 01:32:12 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	236679	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	227934	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	114346	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	73969	45.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.46%
7) Chloroethane-d5	1.67	69	62261	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.52%
11) 1,1-Dichloroethene-d2	2.26	63	115486	35.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.88%
21) 2-Butanone-d5	4.17	46	150748	111.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.97%
24) Chloroform-d	4.64	84	149026	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
26) 1,2-Dichloroethane-d4	5.30	65	104169	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
32) Benzene-d6	5.33	84	298451	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
36) 1,2-Dichloropropane-d6	6.32	67	96360	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.82%
41) Toluene-d8	7.56	98	275529	49.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.04%
43) trans-1,3-Dichloropropene-	7.84	79	42358	43.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.04%
47) 2-Hexanone-d5	8.31	63	102219	115.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.66%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	140997	48.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.38%
64) 1,2-Dichlorobenzene-d4	11.86	152	111800	50.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.06%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	91256	42.460 ug/L	99
8) Chloroethane	1.69	64	694	0.561 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	957	0.605 ug/L #	17
12) 1,1-Dichloroethene	2.28	96	6808	4.568 ug/L #	1
13) Acetone	2.32	43	12971	6.975 ug/L	97
15) Methyl Acetate	2.62	43	3412	1.619 ug/L	92
16) Methylene chloride	2.69	84	2694	1.540 ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	5249	3.248 ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	789408	448.339 ug/L	96
33) Benzene	5.33	78	2660	0.405 ug/L	100
34) Trichloroethene	6.19	95	2947	1.680 ug/L	88
35) Methylcyclohexane	6.32	83	22139	8.164 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	11413	6.336 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2876	1.025 ug/L #	75
40) 4-Methyl-2-pentanone	7.41	43	38630	13.434 ug/L #	53
44) trans-1,3-Dichloropropene	7.85	75	2103	0.798 ug/L	91
59) 1,2,3-Trichloropropane	11.48	75	15031	6.253 ug/L	93

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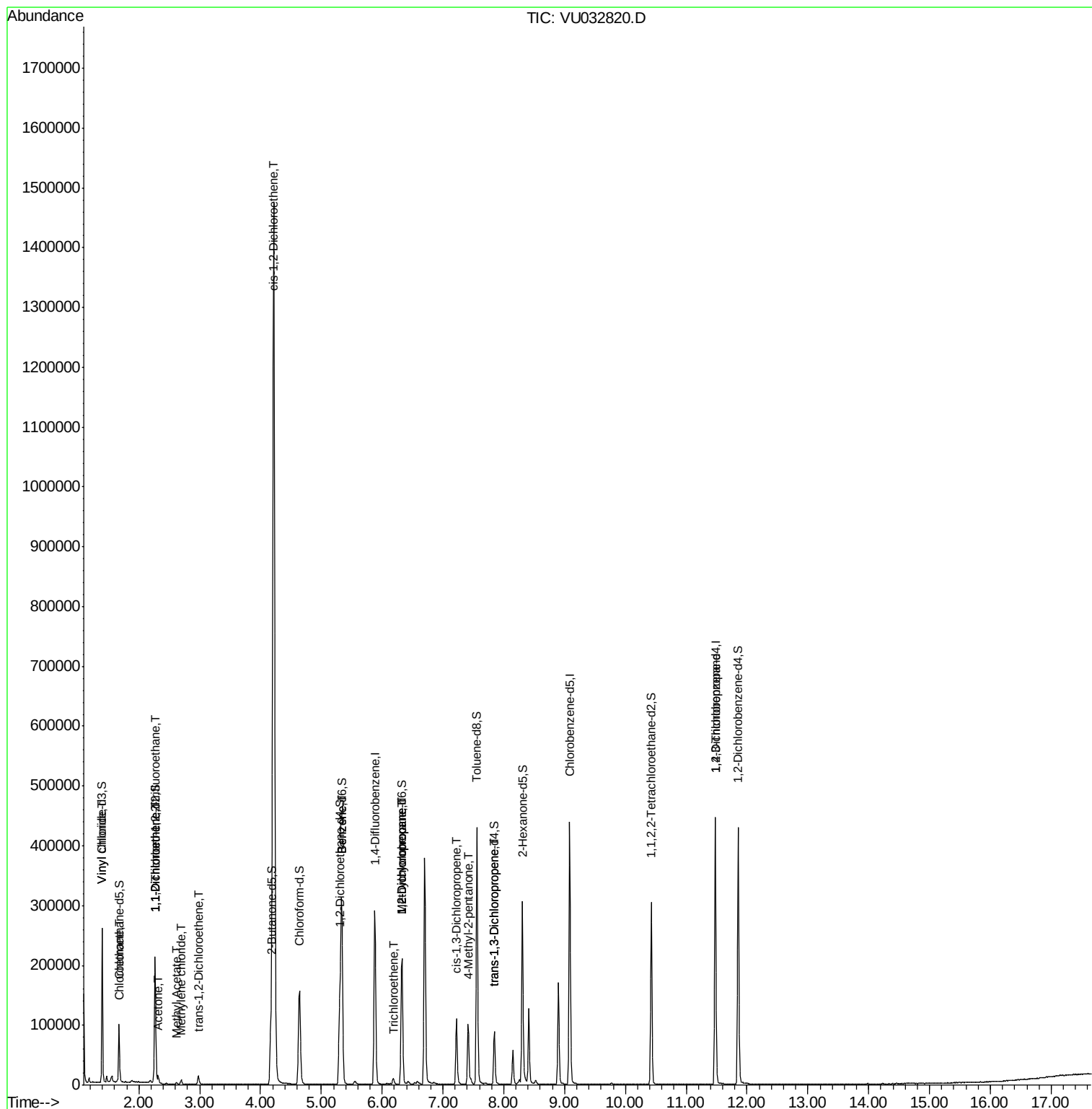
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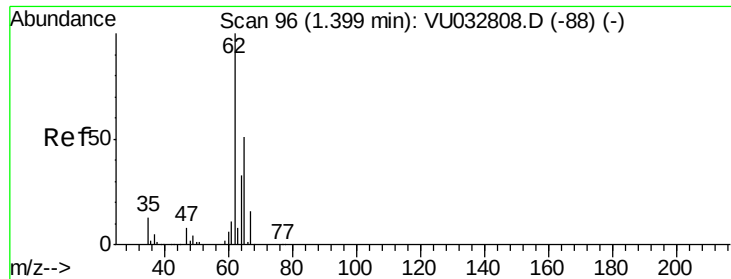
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 42.460 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032820.D

Acq: 18 Jun 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

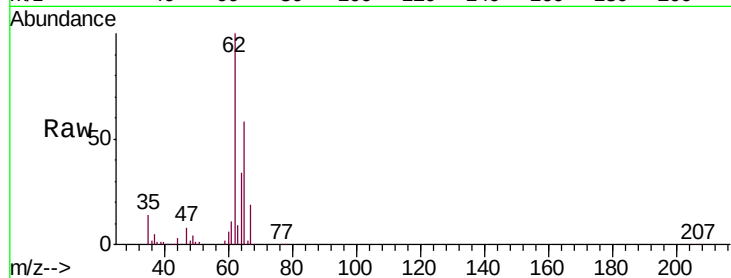
C0JR2

Tgt Ion: 62 Resp: 91256

Ion Ratio Lower Upper

62 100

64 33.5 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU032820.D (-62) (-)

Ion 64.00 (63.70 to 64.70): VU032820.D (-64) (-)

1.40

100000

80000

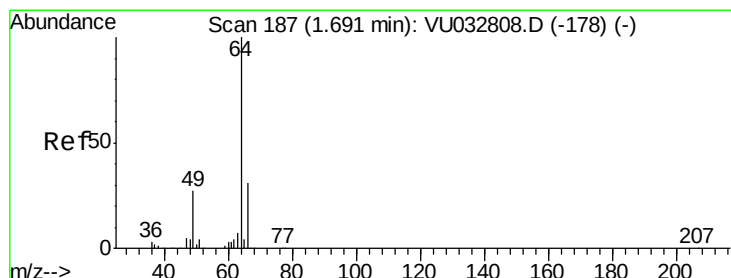
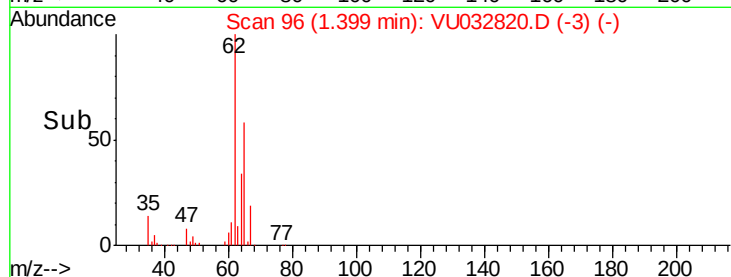
60000

40000

20000

0

Time--> 1.35 1.40 1.45



#8

Chloroethane

Concen: 0.561 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032820.D

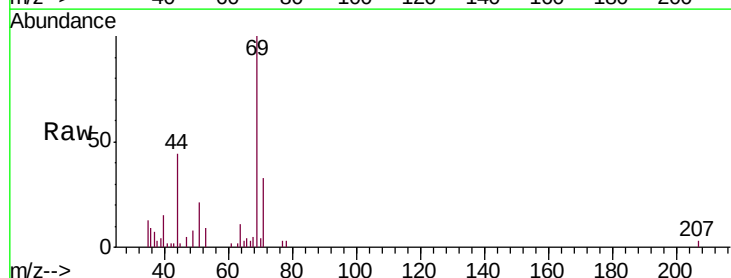
Acq: 18 Jun 2019 13:37

Tgt Ion: 64 Resp: 694

Ion Ratio Lower Upper

64 100

66 37.7 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU032820.D (-64) (-)

Ion 66.00 (65.70 to 66.70): VU032820.D (-66) (-)

1.69

800

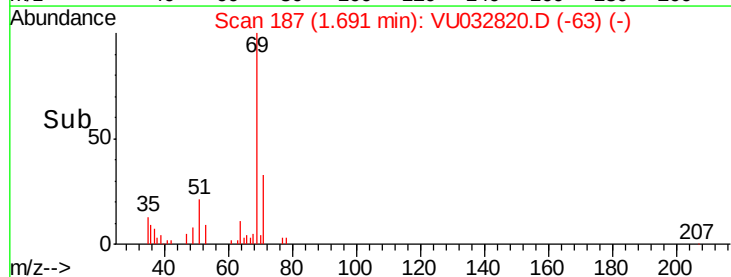
600

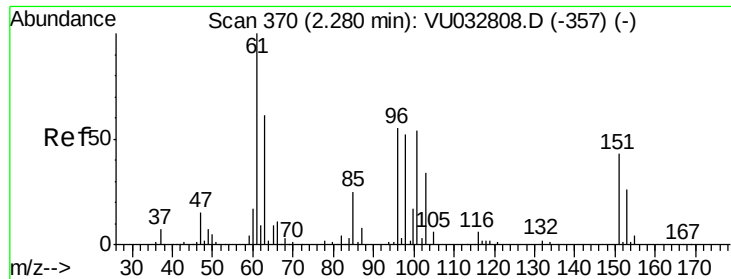
400

200

0

Time--> 1.66 1.68 1.70 1.72





#10

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

Concen: 0.605 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032820.D

Acq: 18 Jun 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

C0JR2

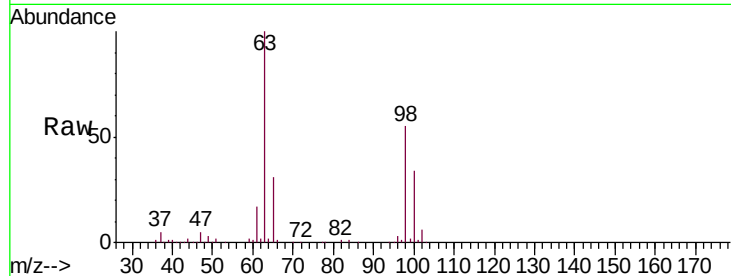
Tgt Ion: 101 Resp: 957

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): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.26

800

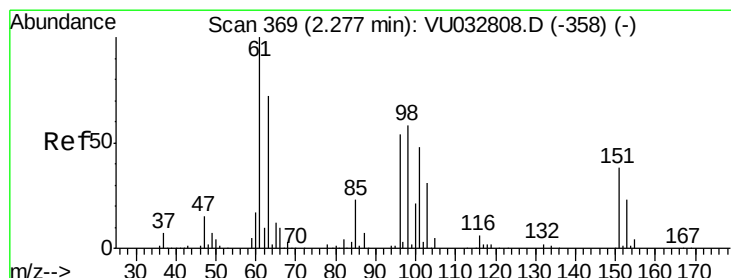
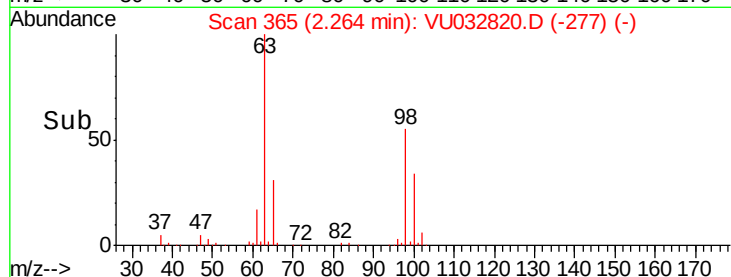
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 4.568 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032820.D

Acq: 18 Jun 2019 13:37

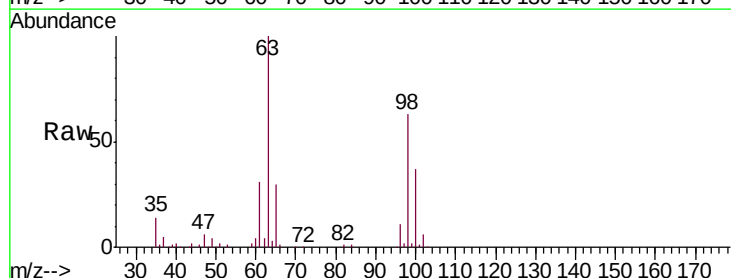
Tgt Ion: 96 Resp: 6808

Ion Ratio Lower Upper

96 100

61 280.2 131.0 243.4#

63 916.2 101.0 187.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

100000

80000

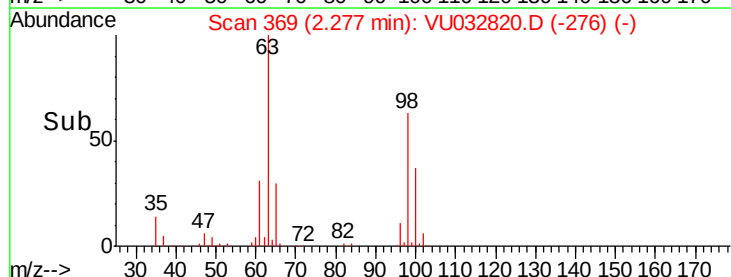
60000

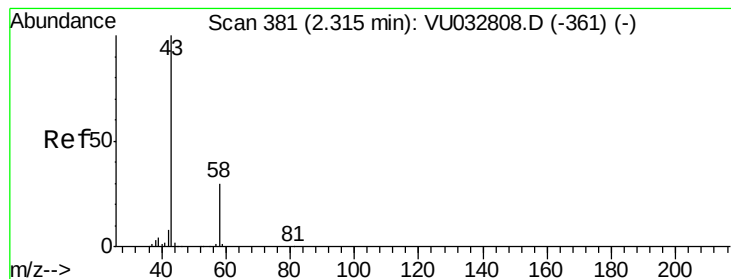
40000

20000

0

Time-->





#13

Acetone

Concen: 6.975 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032820.D

Acq: 18 Jun 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

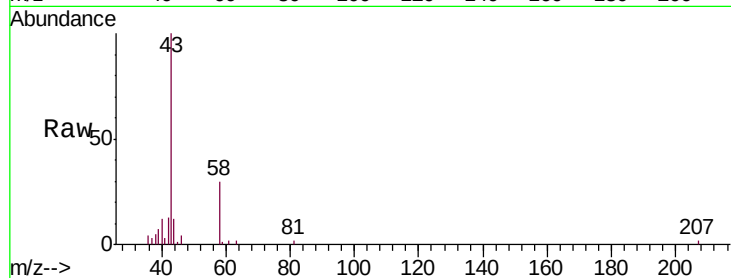
C0JR2

Tgt Ion: 43 Resp: 12971

Ion Ratio Lower Upper

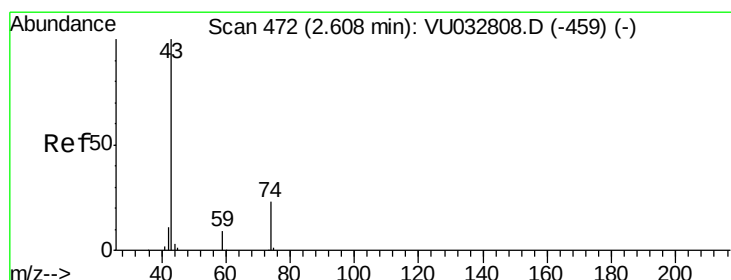
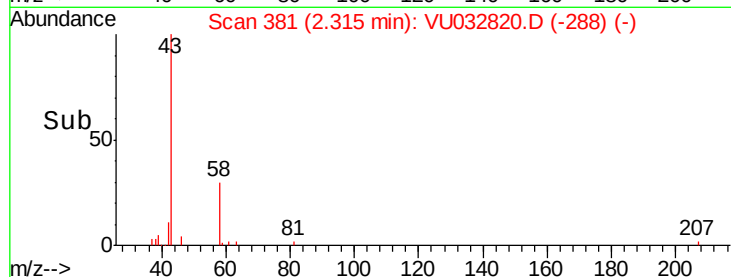
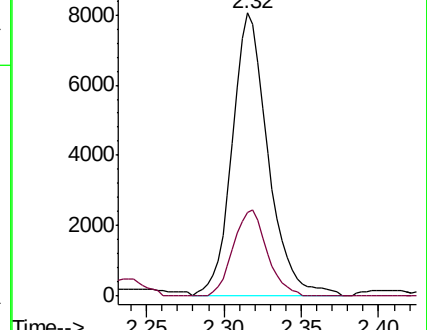
43 100

58 28.5 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032820.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU032820.D (-361) (-)



#15

Methyl Acetate

Concen: 1.619 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU032820.D

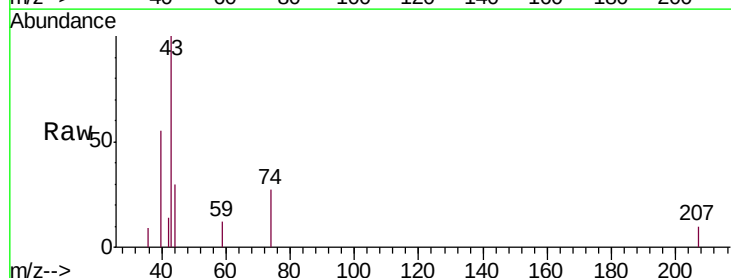
Acq: 18 Jun 2019 13:37

Tgt Ion: 43 Resp: 3412

Ion Ratio Lower Upper

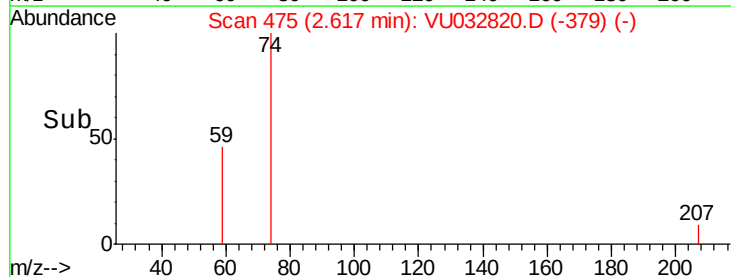
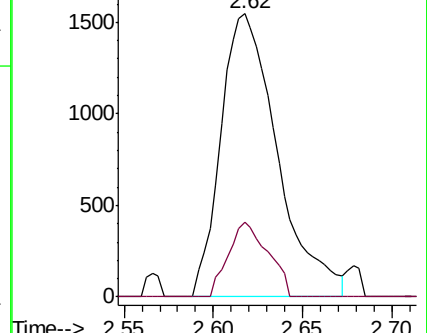
43 100

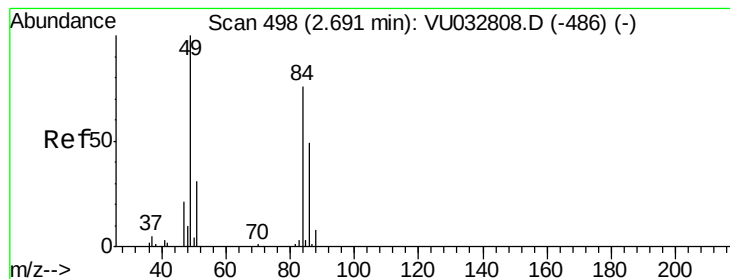
74 18.6 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VU032820.D (-459) (-)

Ion 74.00 (73.70 to 74.70): VU032820.D (-459) (-)





#16

Methylene chloride

Concen: 1.540 ug/L

RT: 2.69 min Scan# 498

Delta R.T. 0.00 min

Lab File: VU032820.D

Acq: 18 Jun 2019 13:37

Instrument :

MSVOA_U

ClientSampled :

C0JR2

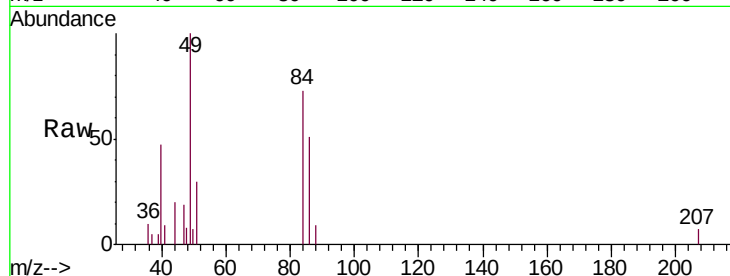
Tgt Ion: 84 Resp: 2694

Ion Ratio Lower Upper

84 100

86 70.0 45.5 84.5

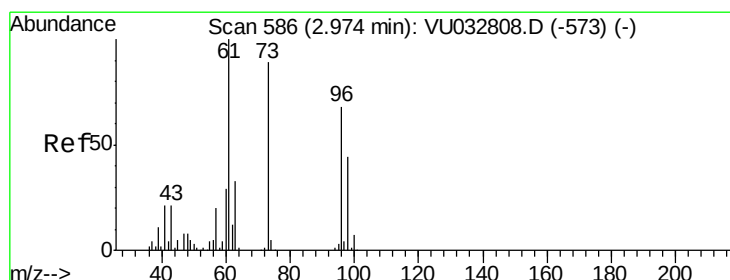
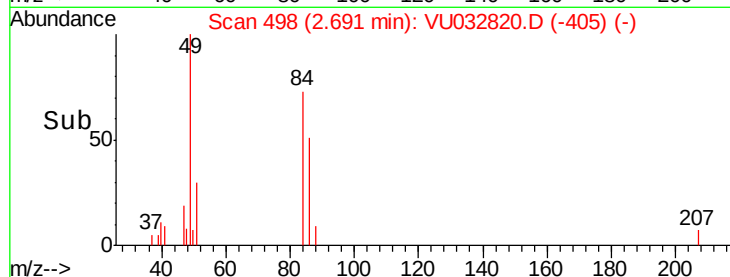
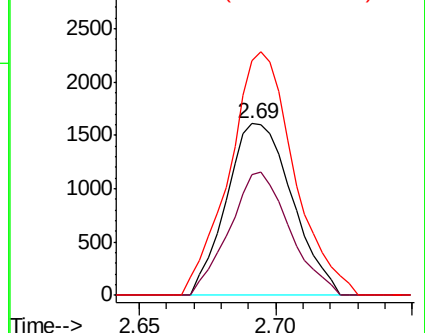
49 137.0 92.1 171.1



Abundance Ion 84.00 (83.70 to 84.70): VU032820.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU032820.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU032820.D (-486) (-)



#17

trans-1,2-Dichloroethene

Concen: 3.248 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032820.D

Acq: 18 Jun 2019 13:37

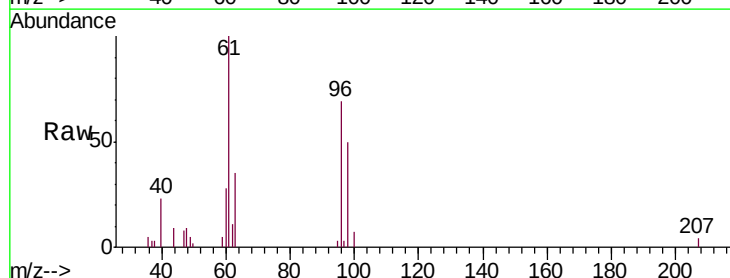
Tgt Ion: 96 Resp: 5249

Ion Ratio Lower Upper

96 100

61 145.3 100.9 187.5

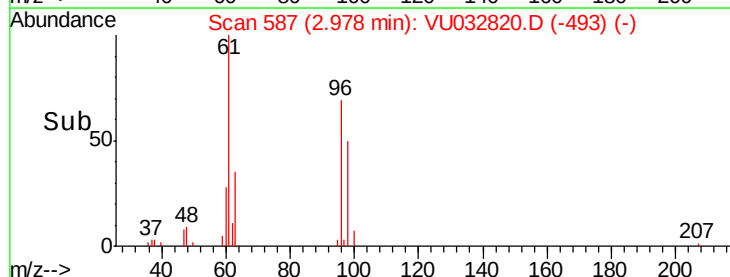
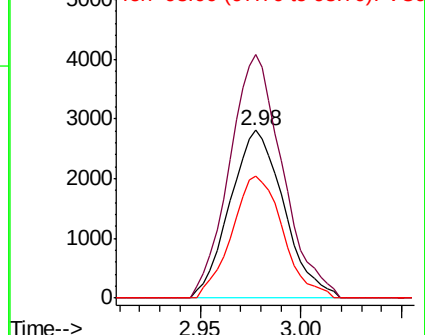
98 72.5 44.0 81.8

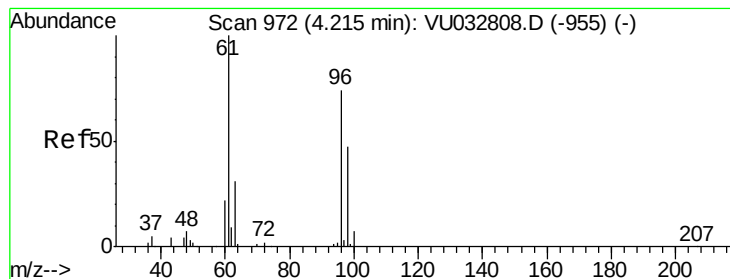


Abundance Ion 96.00 (95.70 to 96.70): VU032820.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU032820.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU032820.D (-573) (-)



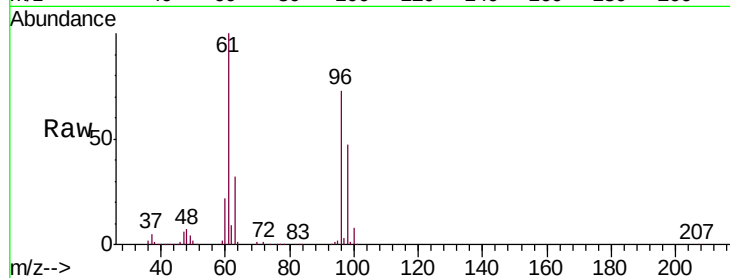


#20

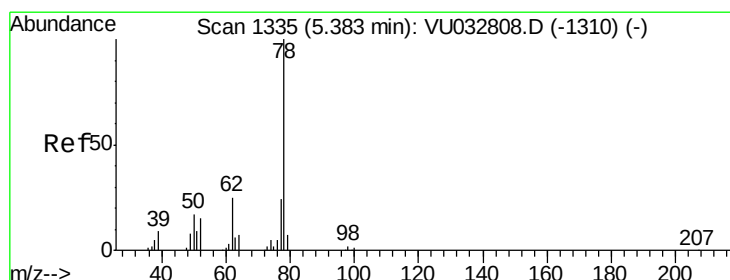
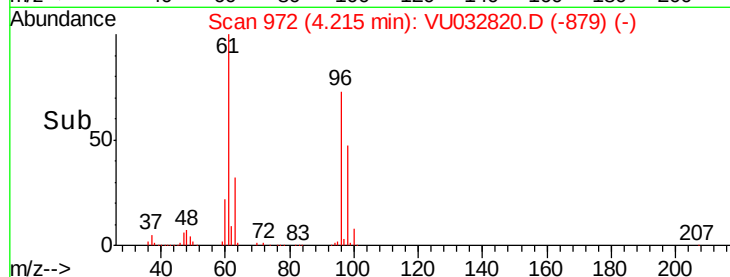
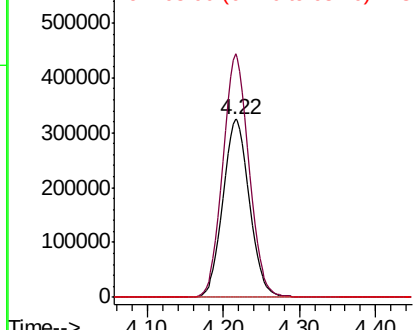
cis-1,2-Dichloroethene
Concen: 448.339 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU032820.D
Acq: 18 Jun 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
C0JR2

Tgt Ion: 96 Resp: 789408
Ion Ratio Lower Upper
96 100
61 136.7 92.4 171.6
68 0.0 0.0 0.0



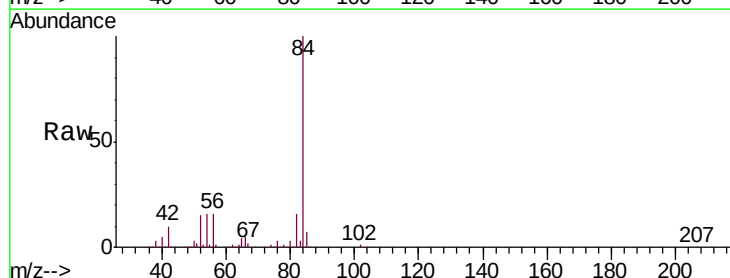
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



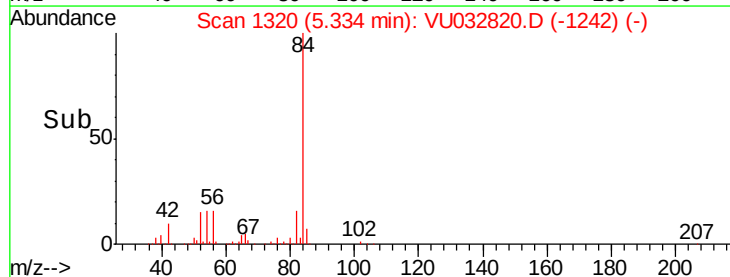
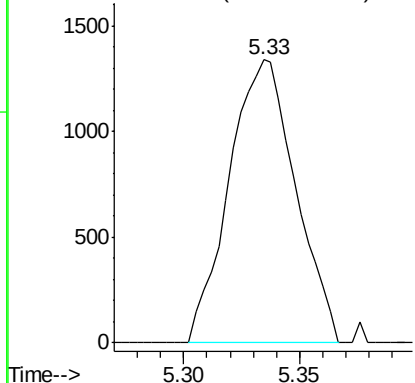
#33

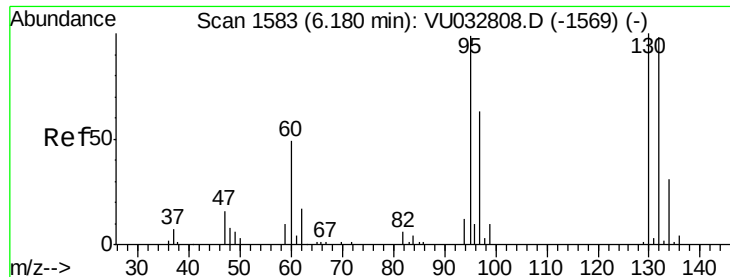
Benzene
Concen: 0.405 ug/L
RT: 5.33 min Scan# 1320
Delta R.T. -0.05 min
Lab File: VU032820.D
Acq: 18 Jun 2019 13:37

Tgt Ion: 78 Resp: 2660



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 1.680 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032820.D

Acq: 18 Jun 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

C0JR2

Tgt Ion: 95 Resp: 2947

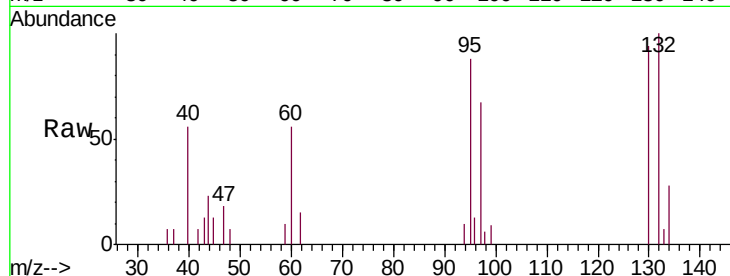
Ion Ratio Lower Upper

95 100

97 76.8 45.9 85.3

132 114.1 68.5 127.3

130 107.3 70.8 131.4

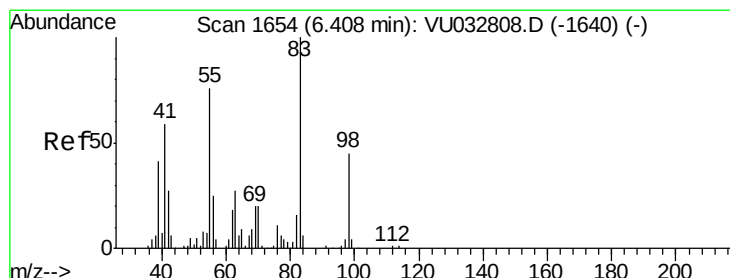
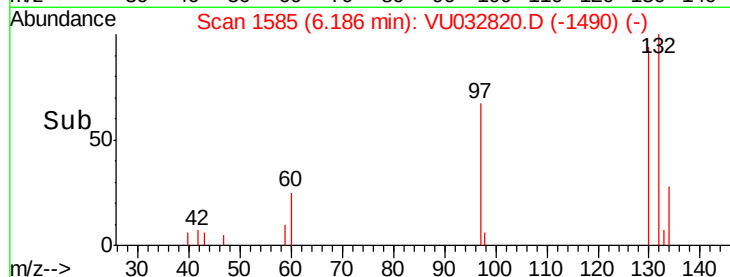
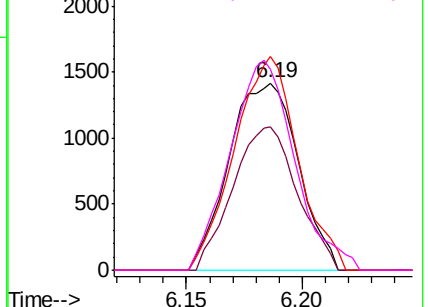


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 8.164 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.09 min

Lab File: VU032820.D

Acq: 18 Jun 2019 13:37

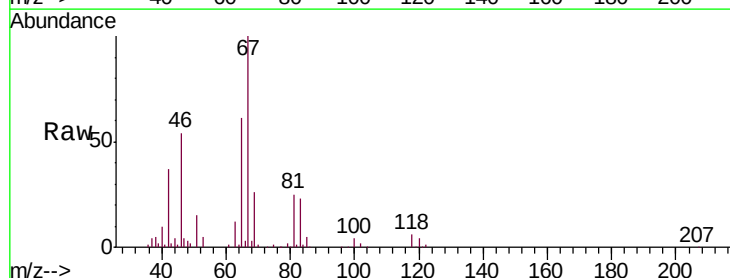
Tgt Ion: 83 Resp: 22139

Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

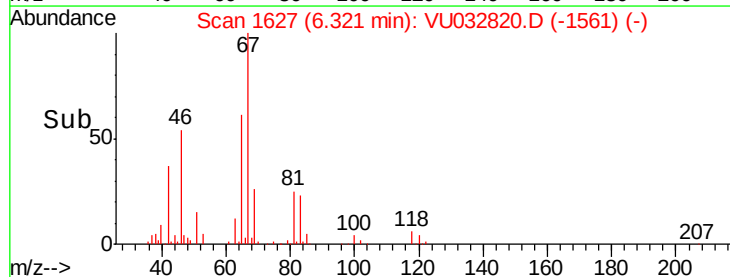
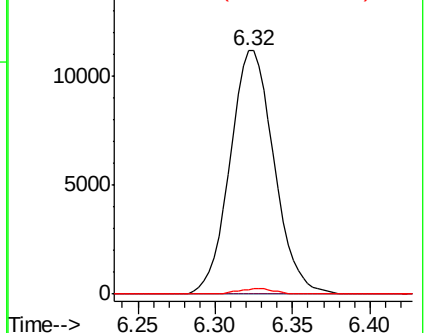
98 1.9 37.4 56.0#

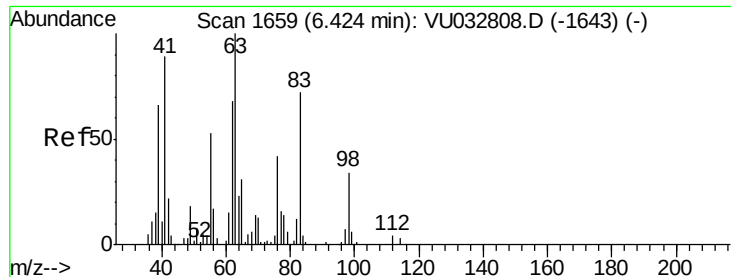


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 6.336 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.10 min

Lab File: VU032820.D

Acq: 18 Jun 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

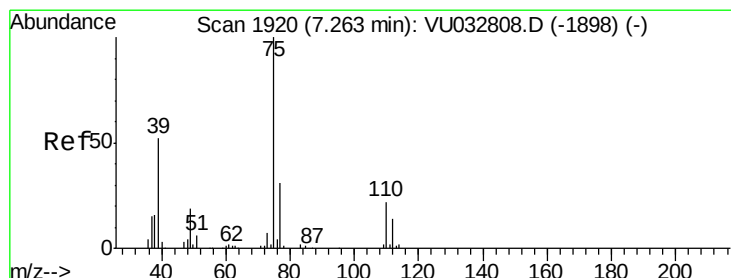
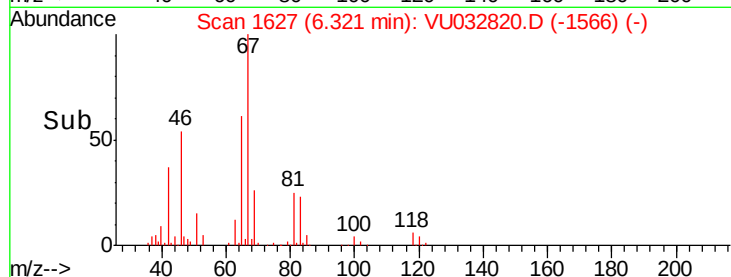
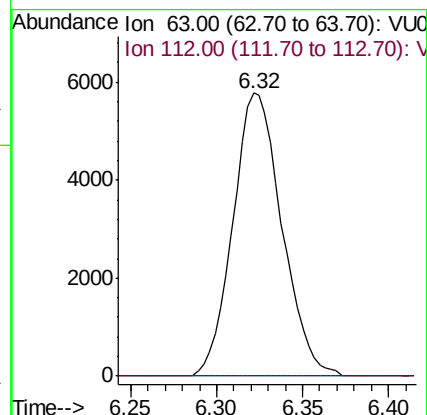
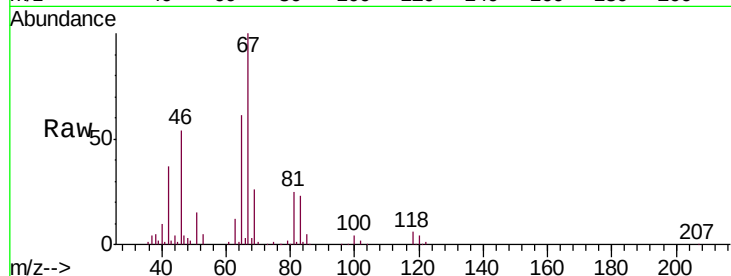
C0JR2

Tgt Ion: 63 Resp: 11413

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#39

cis-1,3-Dichloropropene

Concen: 1.025 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032820.D

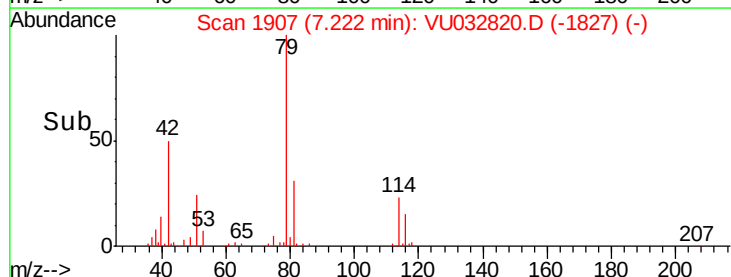
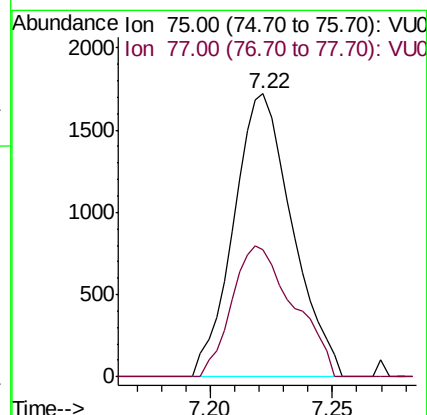
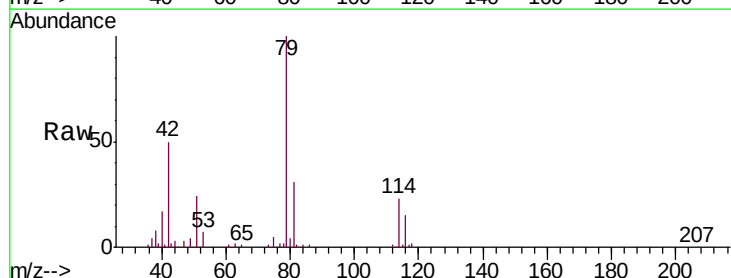
Acq: 18 Jun 2019 13:37

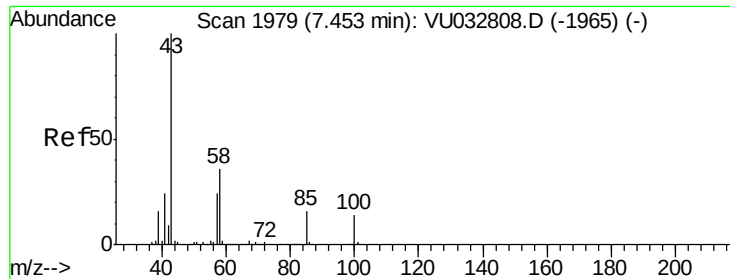
Tgt Ion: 75 Resp: 2876

Ion Ratio Lower Upper

75 100

77 45.1 21.9 40.7#

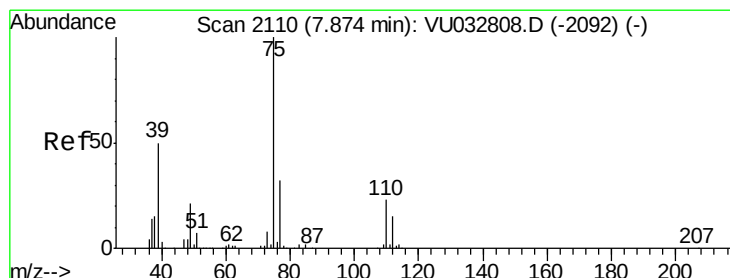
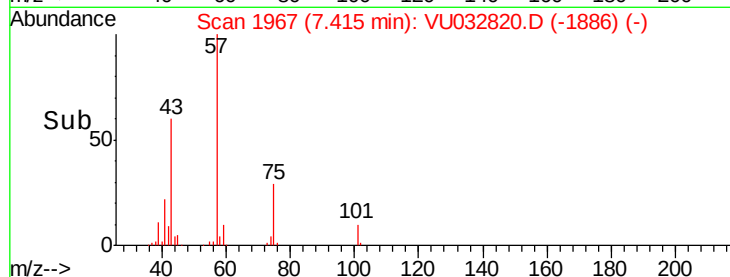
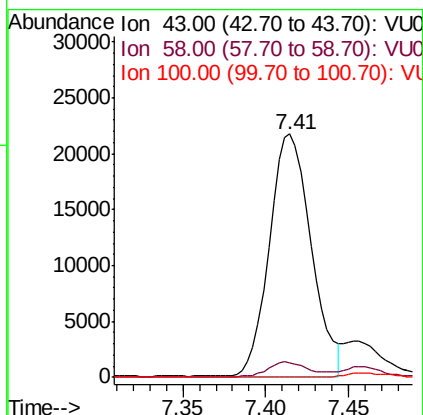
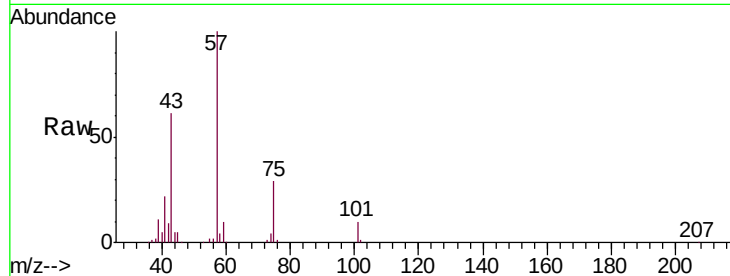




#40
 4-Methyl-2-pentanone
 Concen: 13.434 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: VU032820.D
 Acq: 18 Jun 2019 13:37

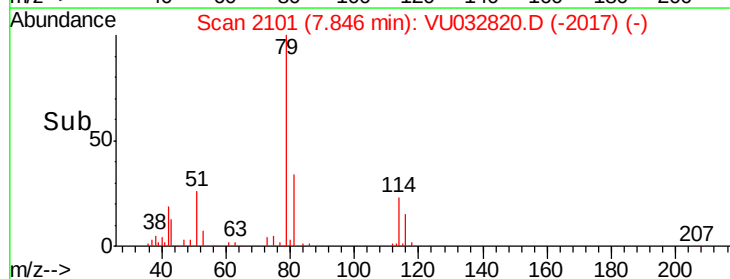
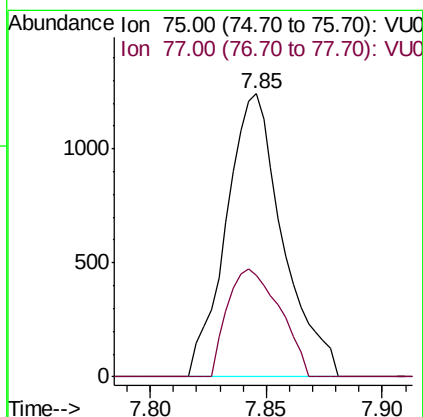
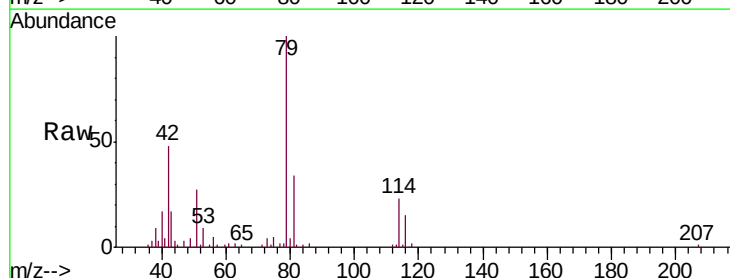
Instrument :
 MSVOA_U
 ClientSampleID :
 C0JR2

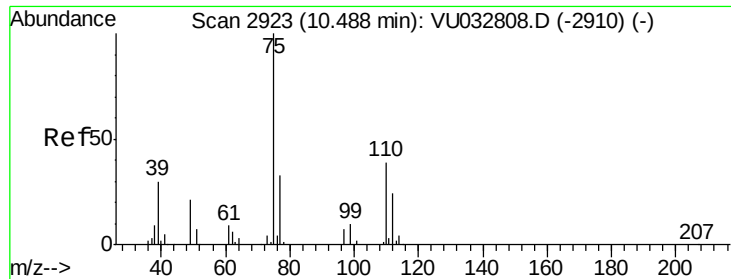
Tgt Ion: 43 Resp: 38630
 Ion Ratio Lower Upper
 43 100
 58 5.9 29.4 44.2#
 100 0.0 11.2 16.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.798 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU032820.D
 Acq: 18 Jun 2019 13:37

Tgt Ion: 75 Resp: 2103
 Ion Ratio Lower Upper
 75 100
 77 36.0 21.8 40.4





#59

1,2,3-Trichloropropane

Concen: 6.253 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032820.D

Acq: 18 Jun 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

C0JR2

Tgt Ion: 75 Resp: 15031

Ion Ratio Lower Upper

75 100

77 35.9 25.5 38.3

