

Data File : VU032692.D
Acq On : 13 Jun 2019 14:21
Operator : JC/SP
Sample : K3286-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JQ8

Quant Time: Jun 14 01:30:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 14 01:25:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	178611	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	171329	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82298	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42602	36.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.52%
7) Chloroethane-d5	1.68	69	38175	40.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.98%
11) 1,1-Dichloroethene-d2	2.27	63	66512	29.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.62%#
21) 2-Butanone-d5	4.17	46	104931	108.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.20%
24) Chloroform-d	4.64	84	96912	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
26) 1,2-Dichloroethane-d4	5.31	65	65114	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.66%
32) Benzene-d6	5.33	84	184786	41.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.10%
36) 1,2-Dichloropropane-d6	6.32	67	62780	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.02%
41) Toluene-d8	7.56	98	168439	39.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.88%#
43) trans-1,3-Dichloropropene-	7.85	79	28533	42.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.50%
47) 2-Hexanone-d5	8.31	63	74462	110.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.07%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	98278	48.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	73599	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	612	0.561 ug/L #	18
13) Acetone	2.32	43	17171	17.161 ug/L	94
15) Methyl Acetate	2.63	43	1470	1.029 ug/L #	65
16) Methylene chloride	2.70	84	3148	2.603 ug/L	93
20) cis-1,2-Dichloroethene	4.23	96	2303	1.772 ug/L	96
27) 1,2-Dichloroethane	5.33	62	1058	0.619 ug/L #	75
34) Trichloroethene	6.18	95	2647	2.021 ug/L	96
35) Methylcyclohexane	6.32	83	14713	6.939 ug/L #	20
37) 1,2-Dichloropropane	6.32	63	7016	5.498 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2025	1.006 ug/L	93
40) 4-Methyl-2-pentanone	7.41	43	40442	19.700 ug/L #	51
42) Toluene	7.64	91	2103	0.399 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	1349	0.755 ug/L	97
46) Tetrachloroethene	8.22	164	660	0.610 ug/L	95
48) 2-Hexanone	8.31	43	12732	7.551 ug/L #	63
59) 1,2,3-Trichloropropane	11.48	75	10058	6.063 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061319\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Jun 14 01:25:52 2019
Response via : Initial Calibration

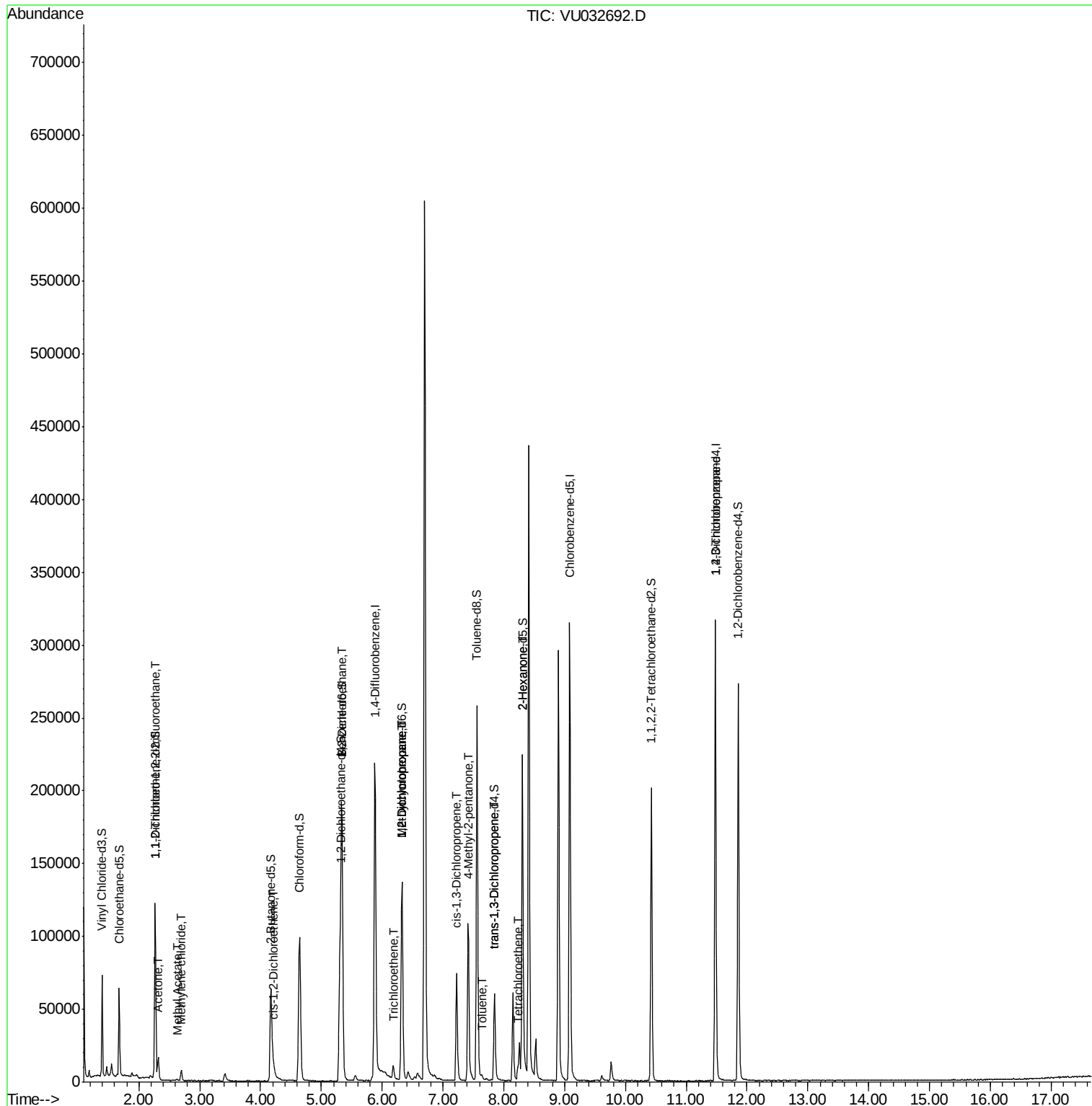
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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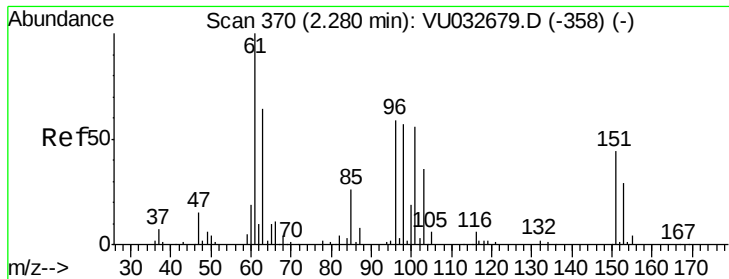
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 14 01:25:52 2019
Response via : Initial Calibration





#10

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

Concen: 0.561 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU032692.D

Acq: 13 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

C0JQ8

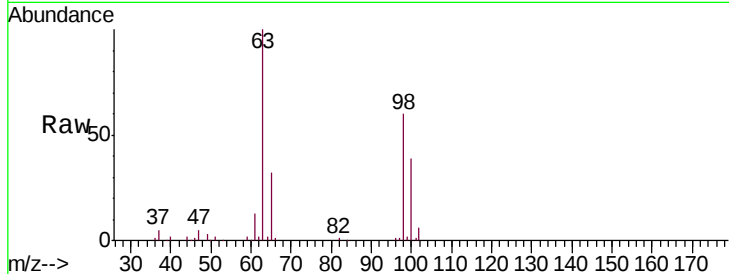
Tgt Ion:101 Resp: 612

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

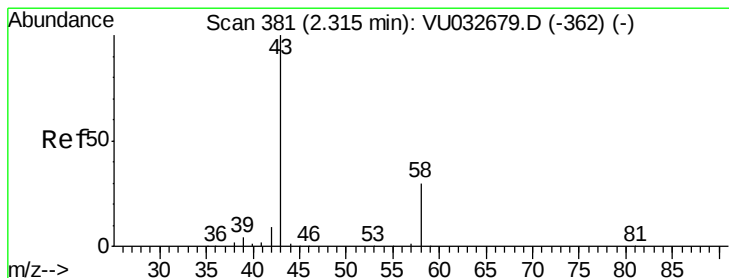
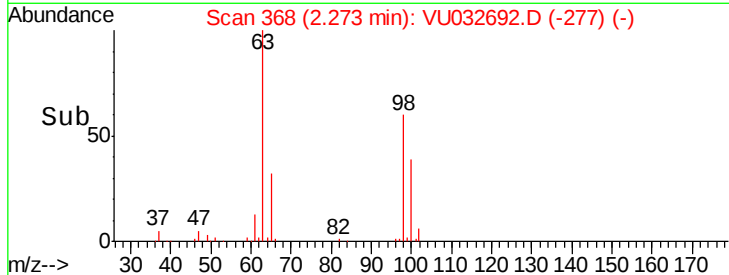
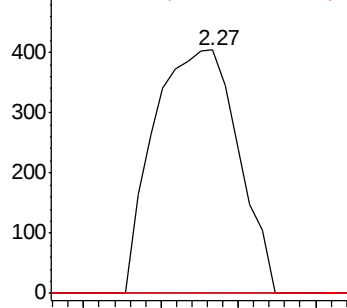
151 0.0 63.0 94.4#



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



#13

Acetone

Concen: 17.161 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032692.D

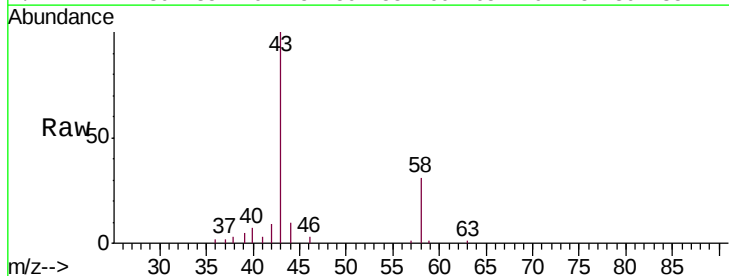
Acq: 13 Jun 2019 14:21

Tgt Ion: 43 Resp: 17171

Ion Ratio Lower Upper

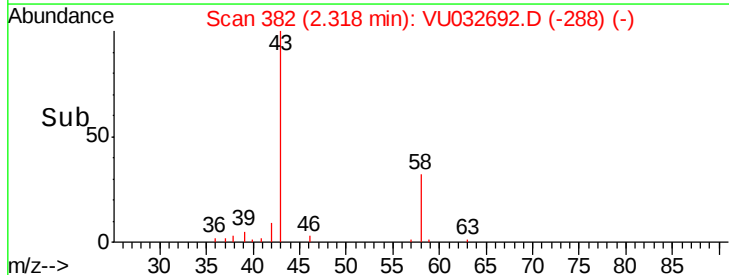
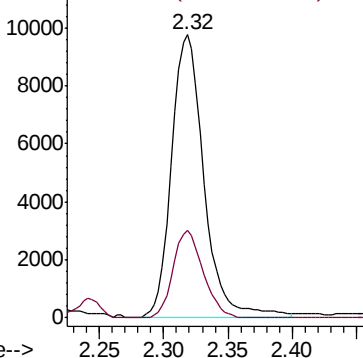
43 100

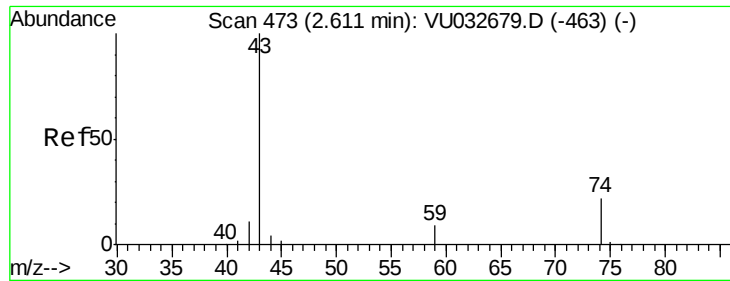
58 28.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

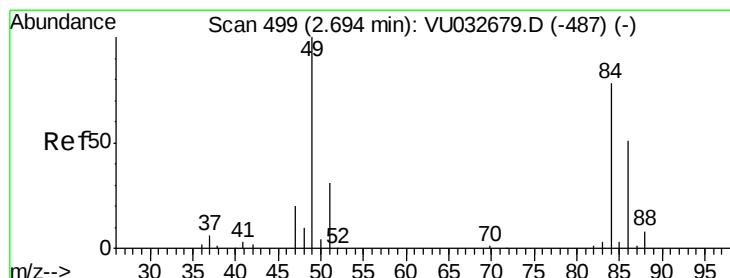
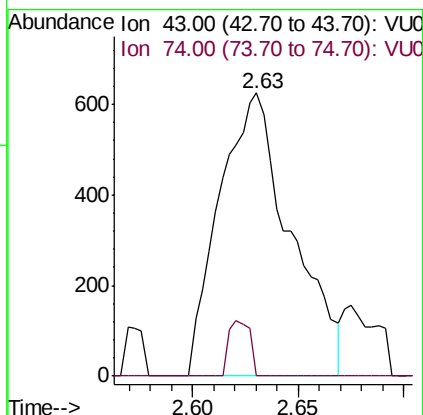
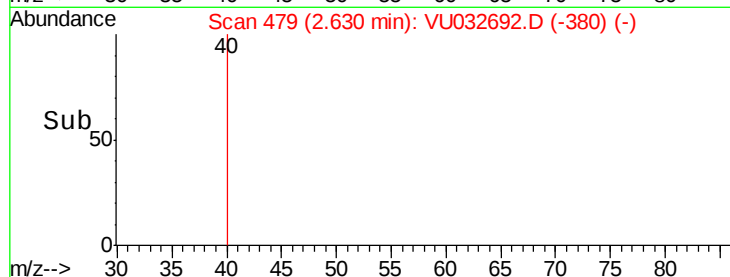
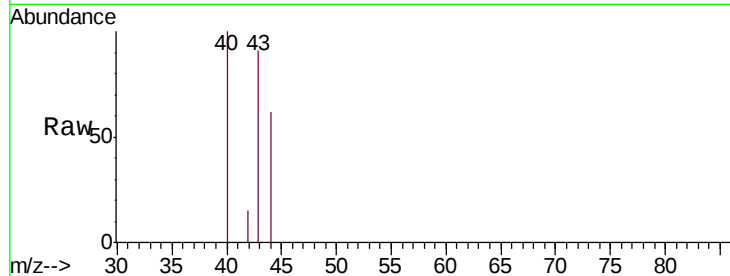




#15
Methyl Acetate
Concen: 1.029 ug/L
RT: 2.63 min Scan# 479
Delta R.T. 0.02 min
Lab File: VU032692.D
Acq: 13 Jun 2019 14:21

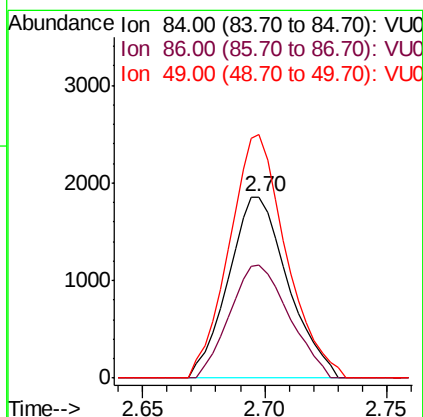
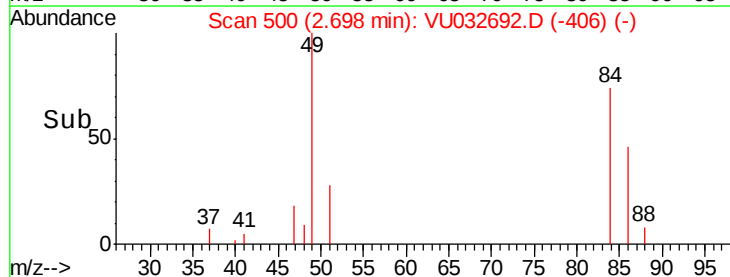
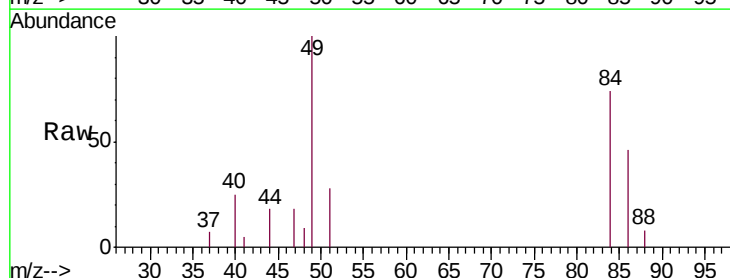
Instrument :
MSVOA_U
ClientSampleId :
C0JQ8

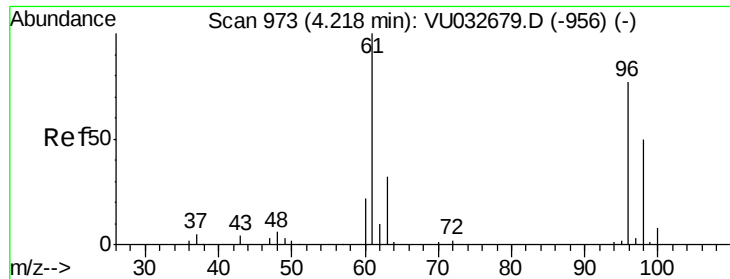
Tgt Ion: 43 Resp: 1470
Ion Ratio Lower Upper
43 100
74 5.9 18.0 27.0#



#16
Methylene chloride
Concen: 2.603 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU032692.D
Acq: 13 Jun 2019 14:21

Tgt Ion: 84 Resp: 3148
Ion Ratio Lower Upper
84 100
86 62.1 44.7 82.9
49 134.5 86.1 159.9

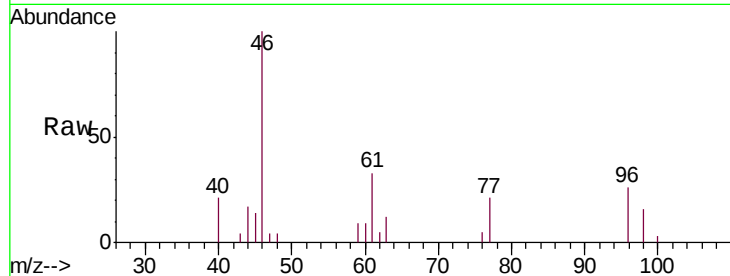




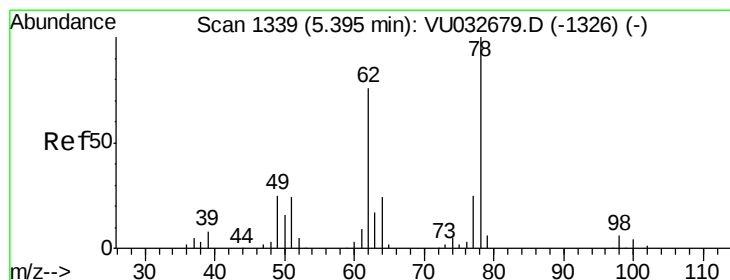
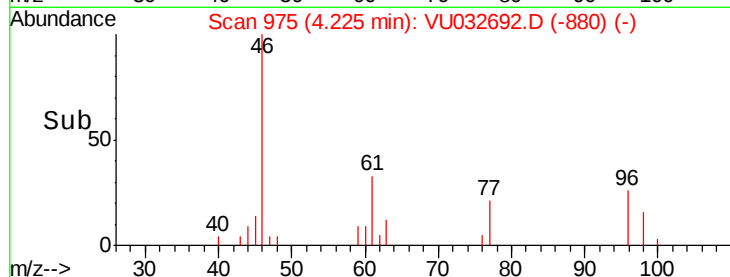
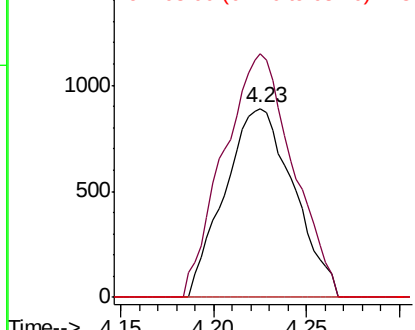
#20
 cis-1,2-Dichloroethene
 Concen: 1.772 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU032692.D
 Acq: 13 Jun 2019 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JQ8

Tgt Ion: 96 Resp: 2303
 Ion Ratio Lower Upper
 96 100
 61 128.7 87.2 162.0
 68 0.0 0.0 0.0

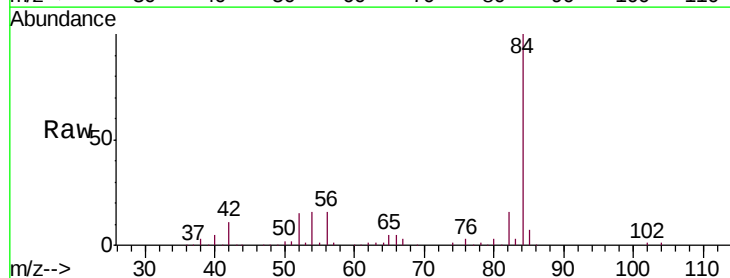


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

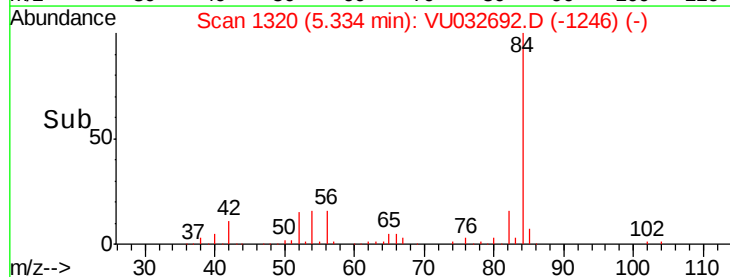
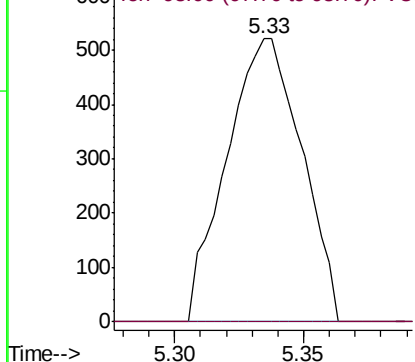


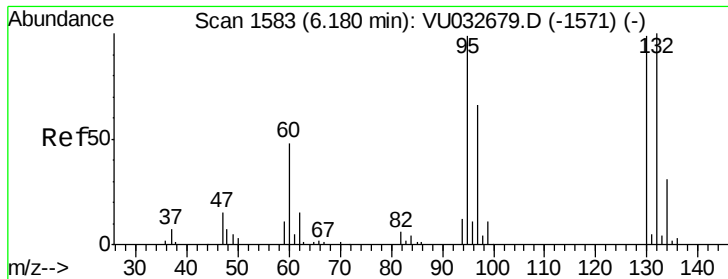
#27
 1,2-Dichloroethane
 Concen: 0.619 ug/L
 RT: 5.33 min Scan# 1320
 Delta R.T. -0.06 min
 Lab File: VU032692.D
 Acq: 13 Jun 2019 14:21

Tgt Ion: 62 Resp: 1058
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#34

Trichloroethene

Concen: 2.021 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032692.D

Acq: 13 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

C0JQ8

Tgt Ion: 95 Resp: 2647

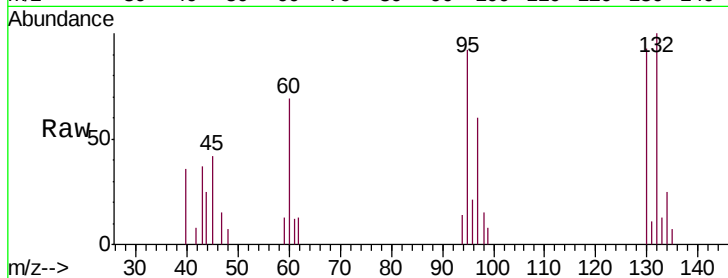
Ion Ratio Lower Upper

95 100

97 65.3 45.8 85.2

132 108.9 71.0 131.8

130 101.2 73.4 136.2

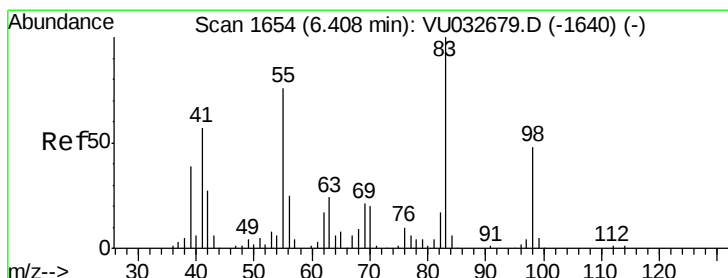
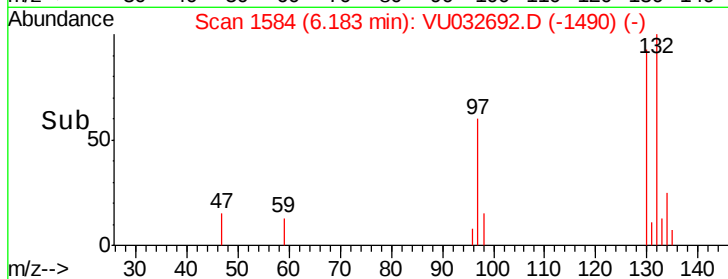
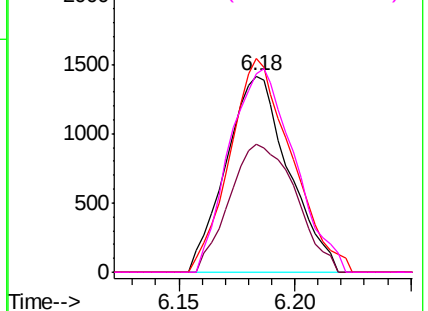


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 6.939 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032692.D

Acq: 13 Jun 2019 14:21

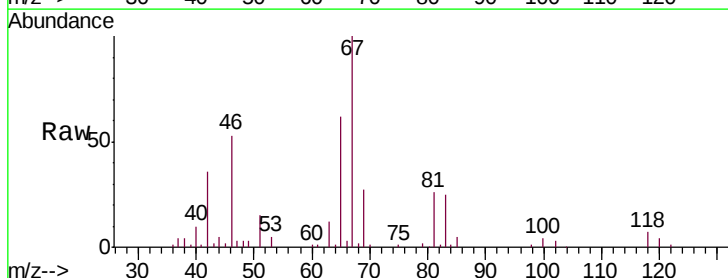
Tgt Ion: 83 Resp: 14713

Ion Ratio Lower Upper

83 100

55 0.6 60.2 90.4#

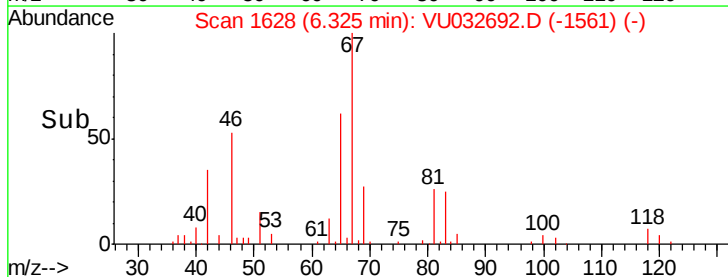
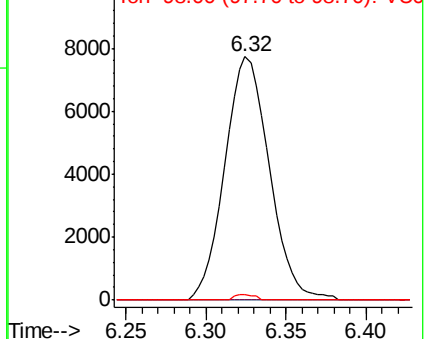
98 1.0 37.4 56.2#

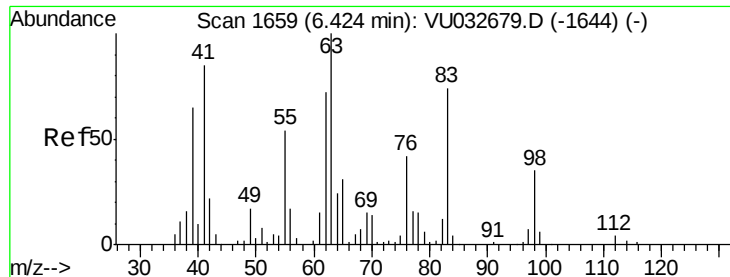


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

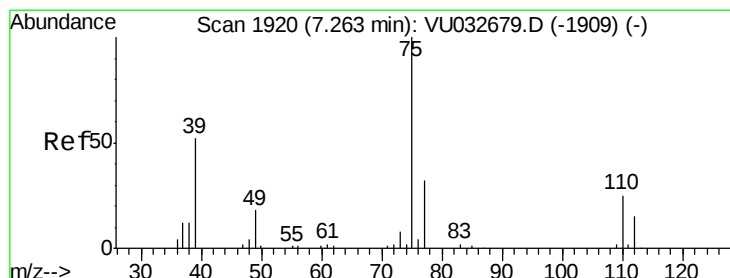
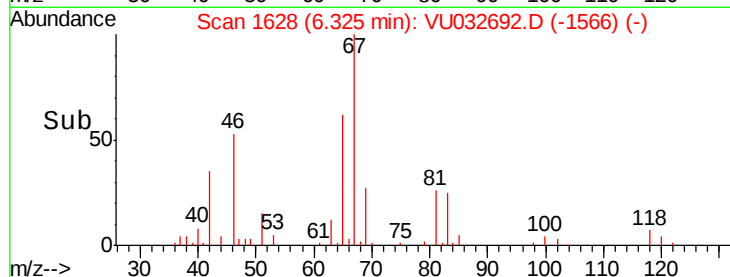
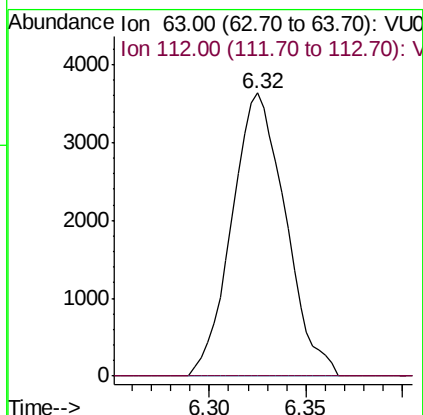
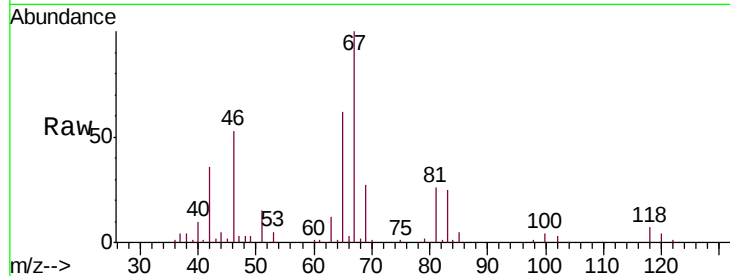




#37
 1,2-Dichloropropane
 Concen: 5.498 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032692.D
 Acq: 13 Jun 2019 14:21

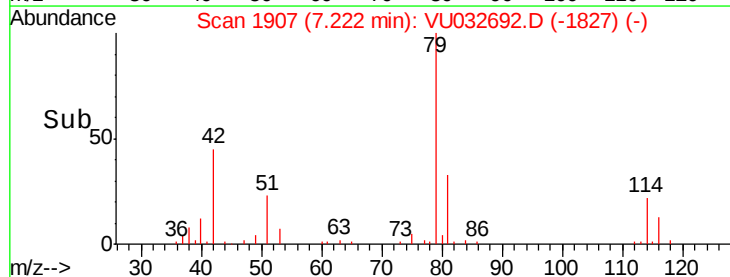
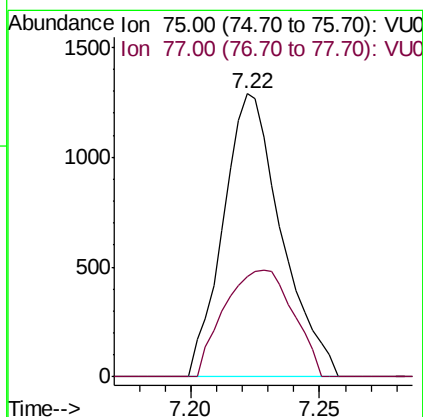
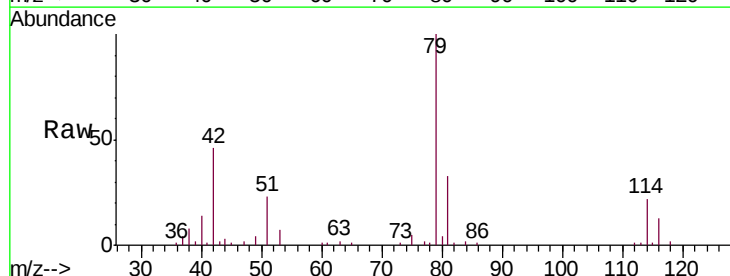
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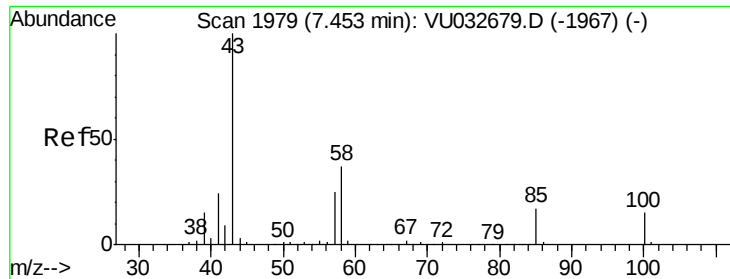
Tgt Ion: 63 Resp: 7016
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.006 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032692.D
 Acq: 13 Jun 2019 14:21

Tgt Ion: 75 Resp: 2025
 Ion Ratio Lower Upper
 75 100
 77 35.6 22.0 41.0

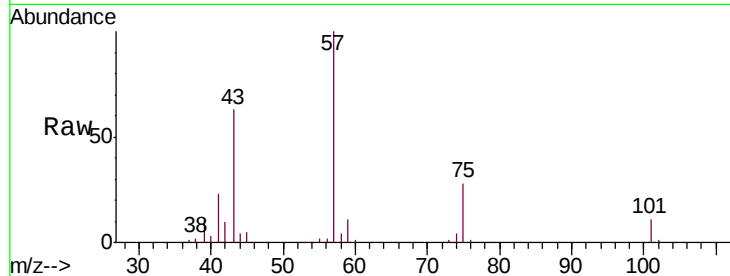




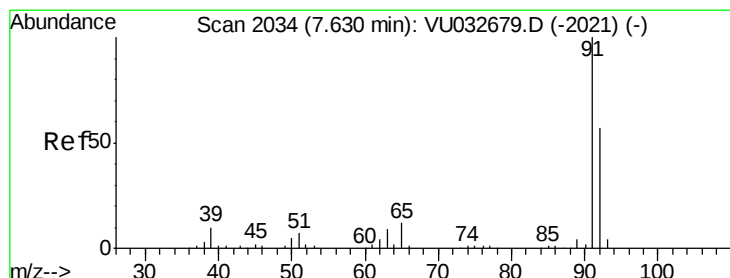
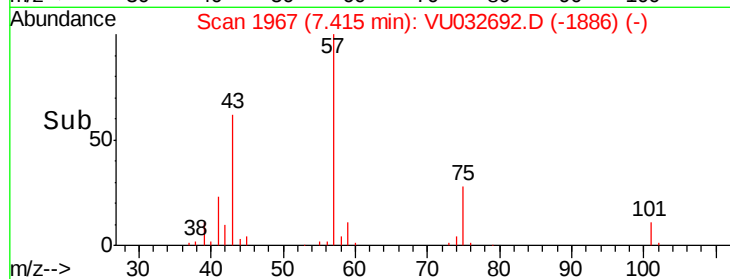
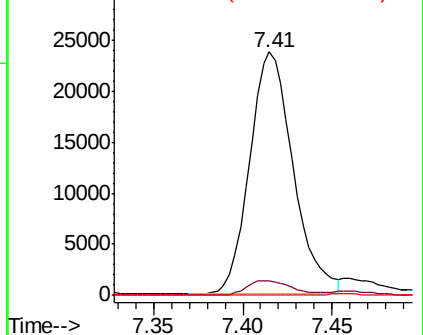
#40
 4-Methyl-2-pentanone
 Concen: 19.700 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: VU032692.D
 Acq: 13 Jun 2019 14:21

Instrument :
 MSVOA_U
 ClientSampled :
 C0JQ8

Tgt Ion: 43 Resp: 40442
 Ion Ratio Lower Upper
 43 100
 58 6.0 30.8 46.2#
 100 0.0 12.1 18.1#

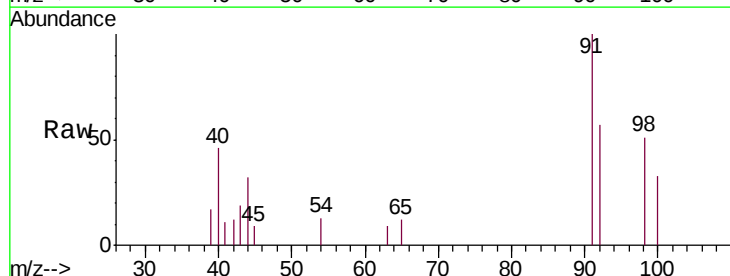


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

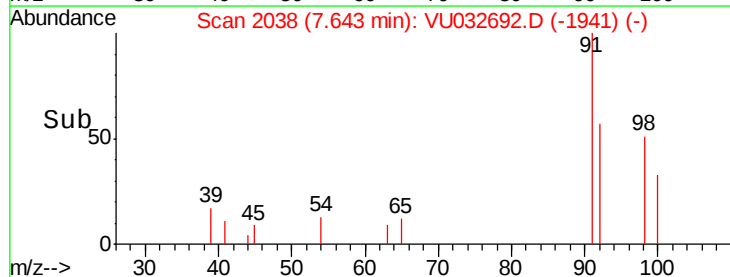
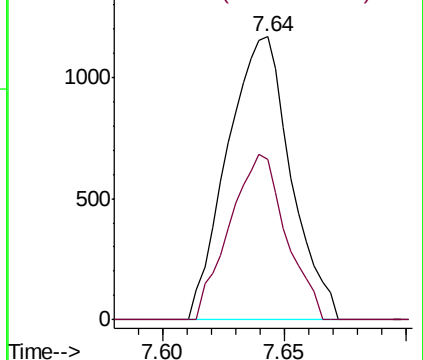


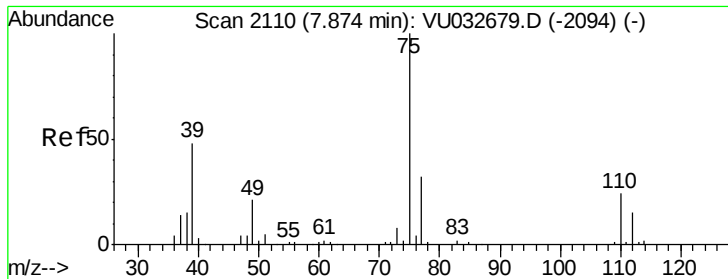
#42
 Toluene
 Concen: 0.399 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: VU032692.D
 Acq: 13 Jun 2019 14:21

Tgt Ion: 91 Resp: 2103
 Ion Ratio Lower Upper
 91 100
 92 56.6 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.755 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032692.D

Acq: 13 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

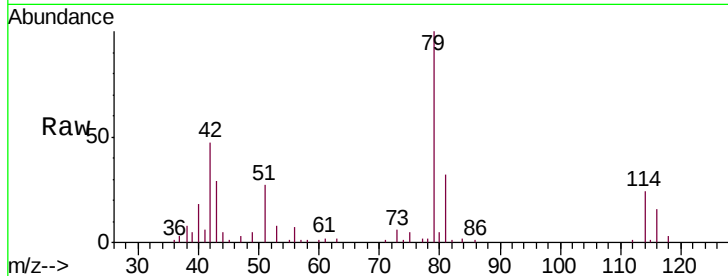
C0JQ8

Tgt Ion: 75 Resp: 1349

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032679.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032679.D (-2094) (-)

7.85

800

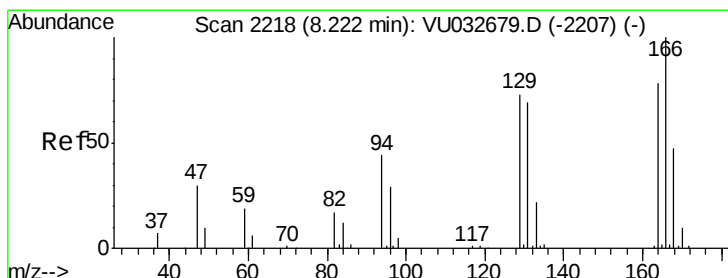
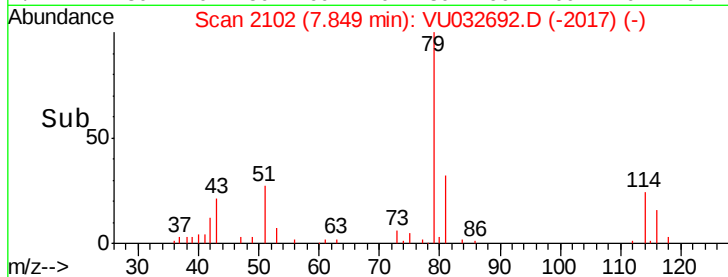
600

400

200

0

Time--> 7.80 7.85 7.90



#46

Tetrachloroethene

Concen: 0.610 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032692.D

Acq: 13 Jun 2019 14:21

Tgt Ion: 164 Resp: 660

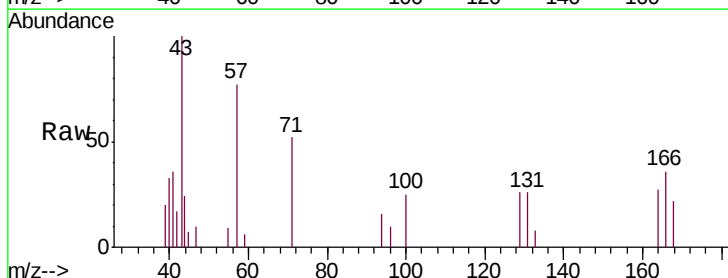
Ion Ratio Lower Upper

164 100

129 95.3 65.3 121.3

131 96.7 64.0 119.0

166 134.2 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): VU032679.D (-2207) (-)

Ion 129.00 (128.70 to 129.70): VU032679.D (-2207) (-)

Ion 131.00 (130.70 to 131.70): VU032679.D (-2207) (-)

Ion 166.00 (165.70 to 166.70): VU032679.D (-2207) (-)

8.22

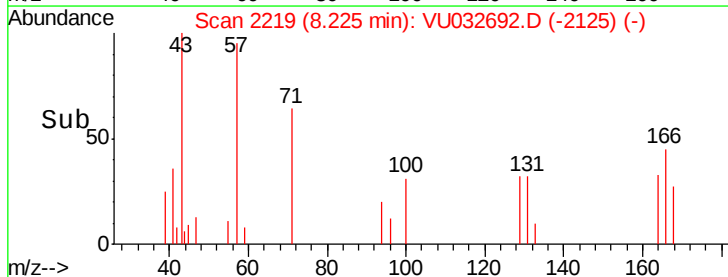
600

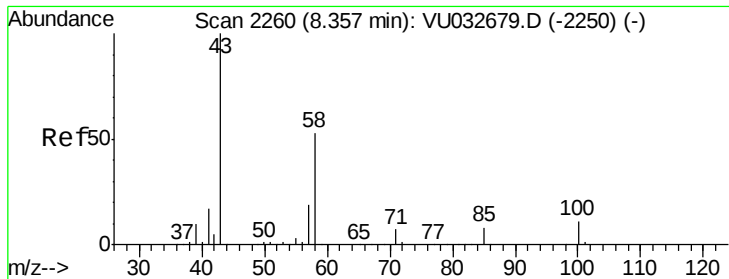
400

200

0

Time--> 8.20 8.22 8.24 8.26





#48

2-Hexanone

Concen: 7.551 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.05 min

Lab File: VU032692.D

Acq: 13 Jun 2019 14:21

Instrument :

MSVOA_U

ClientSampleID :

C0JQ8

Tgt Ion: 43 Resp: 12732

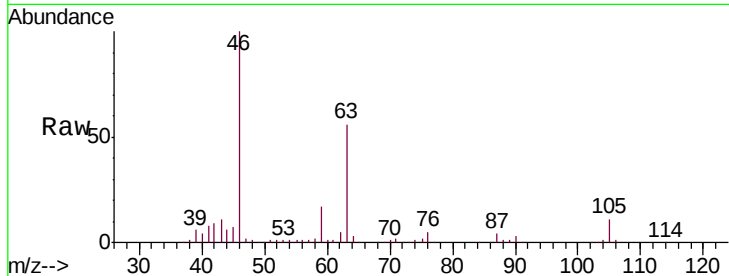
Ion Ratio Lower Upper

43 100

58 18.9 42.0 63.0#

57 14.0 14.6 22.0#

100 0.0 9.2 13.8#

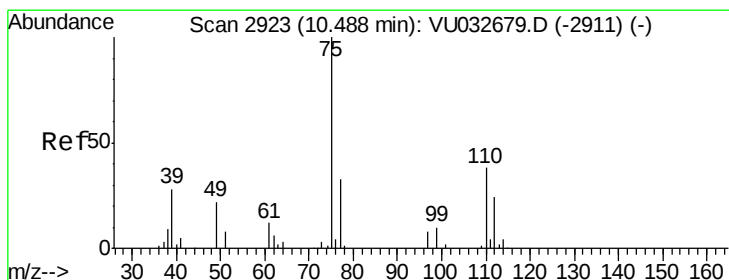
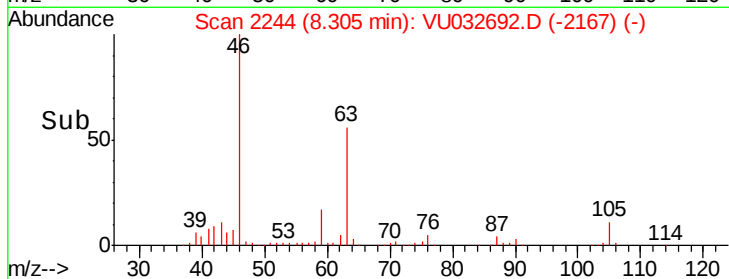
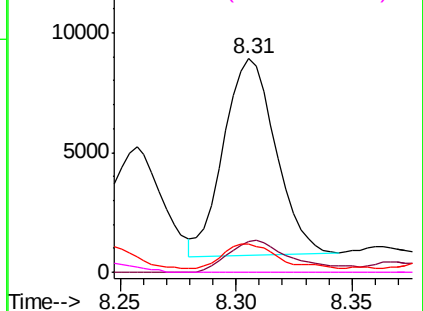


Abundance Ion 43.00 (42.70 to 43.70): VU0

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



#59

1,2,3-Trichloropropane

Concen: 6.063 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032692.D

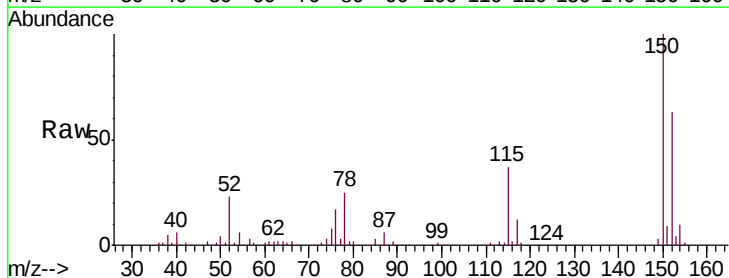
Acq: 13 Jun 2019 14:21

Tgt Ion: 75 Resp: 10058

Ion Ratio Lower Upper

75 100

77 35.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

