

Data File : VU035423.D
Acq On : 23 Oct 2019 21:43
Operator : JC/SP
Sample : K5488-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G35

Quant Time: Oct 24 05:25:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	212403	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	216342	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	68560	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	54788	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.93	69	59739	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.59	63	81638	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	4.70	46	226961	60.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.96%
24) Chloroform-d	5.11	84	133544	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.80%
26) 1,2-Dichloroethane-d4	5.75	65	74270	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.20%
32) Benzene-d6	5.77	84	236072	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.74	67	88207	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.93	98	193797	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	8.22	79	29817	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.69	63	156227	46.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.94%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	79166	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	62827	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

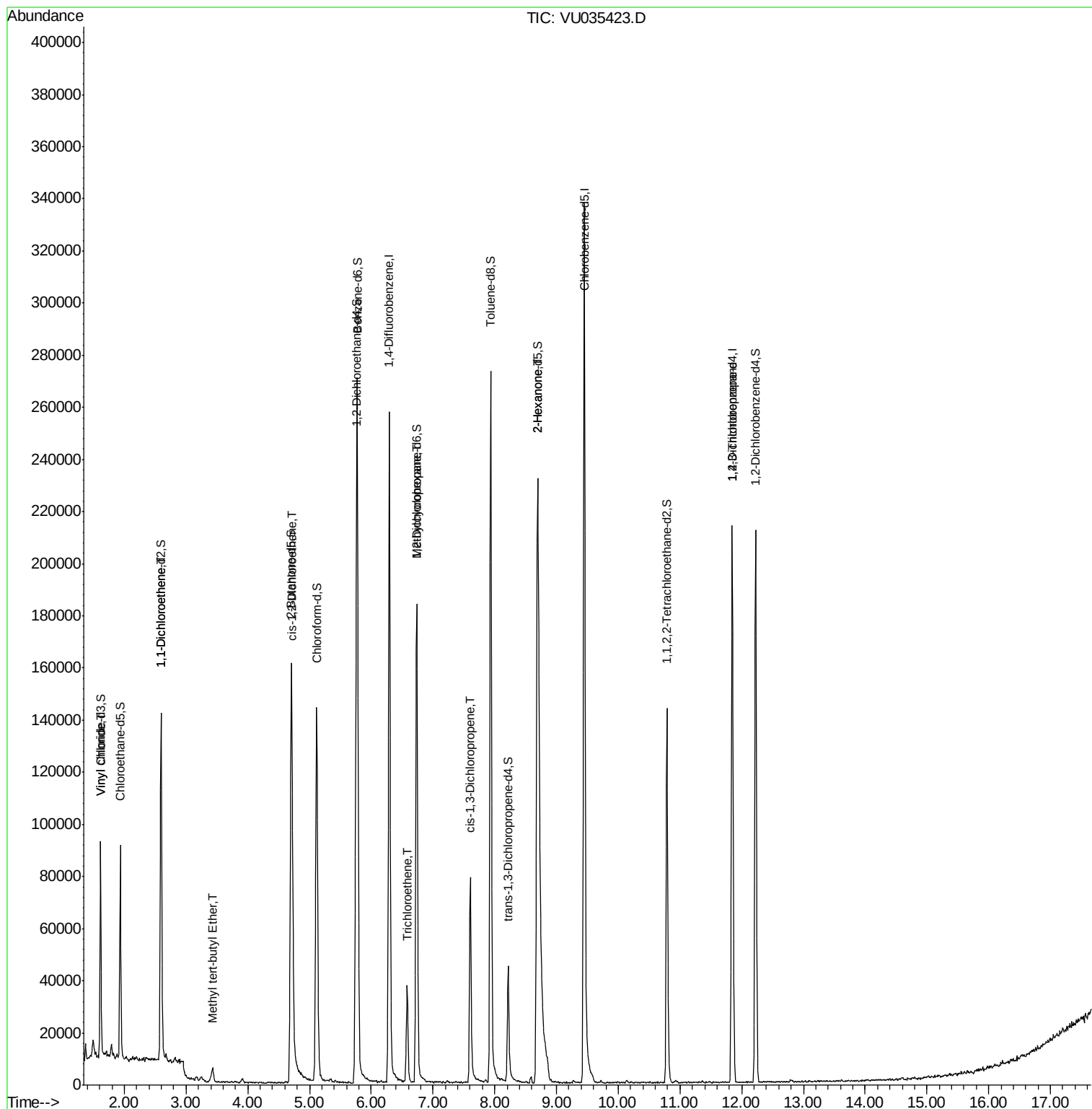
					Qvalue
5) Vinyl chloride	1.62	62	1821	0.099 ug/L #	1
12) 1,1-Dichloroethene	2.60	96	911	0.067 ug/L #	1
17) Methyl tert-butyl Ether	3.43	73	5584	0.152 ug/L #	85
22) cis-1,2-Dichloroethene	4.72	96	18147	1.115 ug/L	91
34) Trichloroethene	6.58	95	11545	0.675 ug/L	96
35) Methylcyclohexane	6.74	83	20497	0.717 ug/L #	18
39) cis-1,3-Dichloropropene	7.60	75	2065	0.076 ug/L #	18
48) 2-Hexanone	8.69	43	15873	2.075 ug/L #	55
59) 1,2,3-Trichloropropane	11.84	75	8749	0.777 ug/L	98

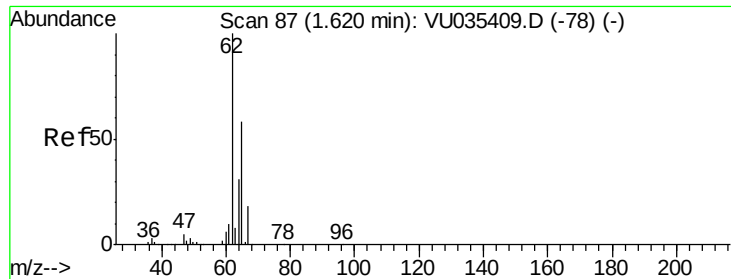
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.099 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

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Acq: 23 Oct 2019 21:43

Instrument :

MSVOA_U

ClientSampleId :

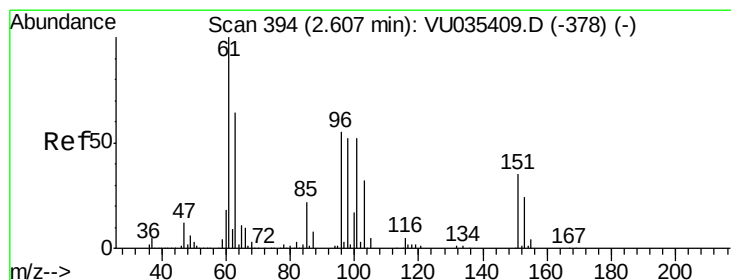
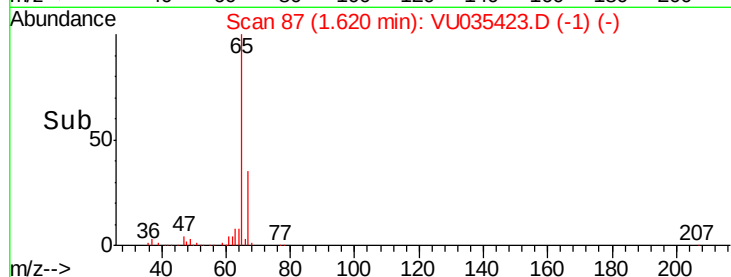
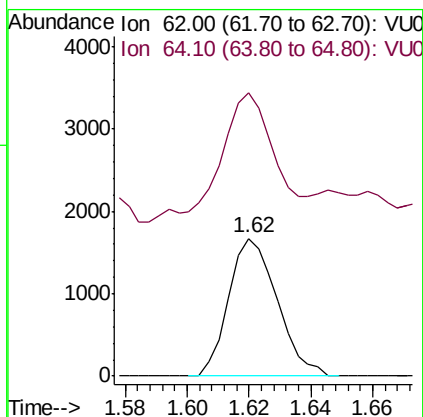
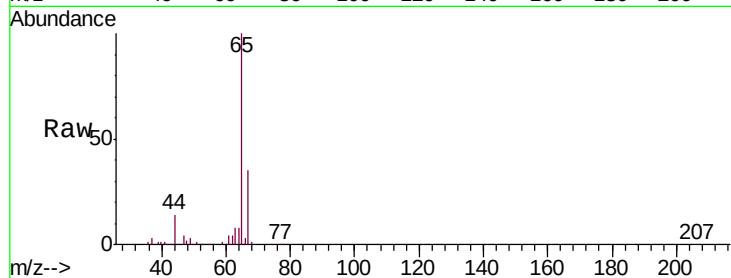
H0G35

Tgt Ion: 62 Resp: 1821

Ion Ratio Lower Upper

62 100

64 205.6 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035423.D

Acq: 23 Oct 2019 21:43

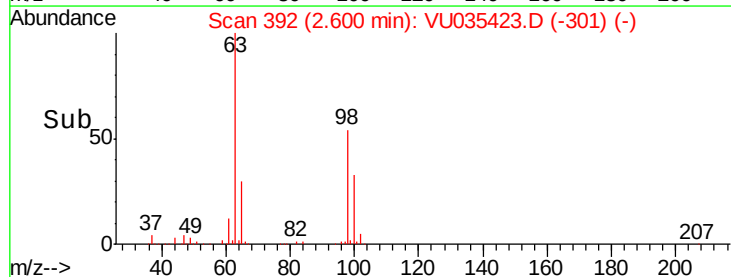
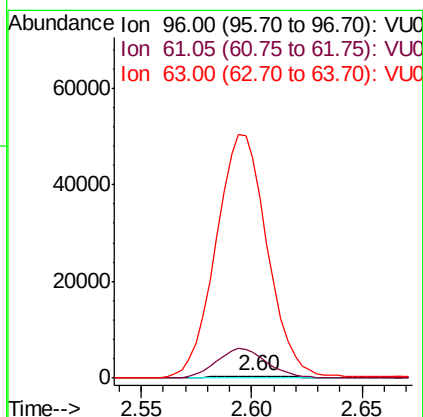
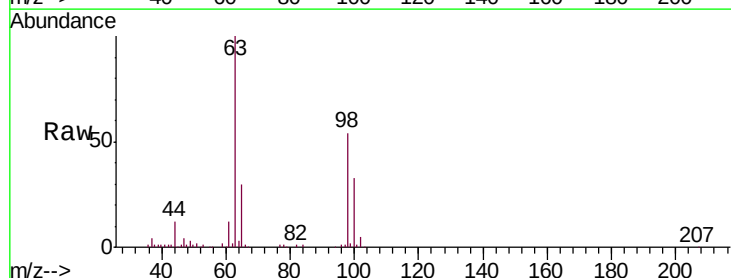
Tgt Ion: 96 Resp: 911

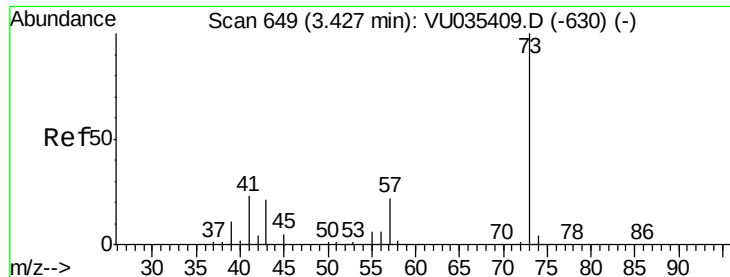
Ion Ratio Lower Upper

96 100

61 1305.1 120.6 224.0#

63 11168.6 86.8 161.2#





#17

Methyl tert-butyl Ether

Concen: 0.152 ug/L

RT: 3.43 min Scan# 650

Delta R.T. 0.00 min

Lab File: VU035423.D

Acq: 23 Oct 2019 21:43

Instrument :

MSVOA_U

ClientSampleId :

H0G35

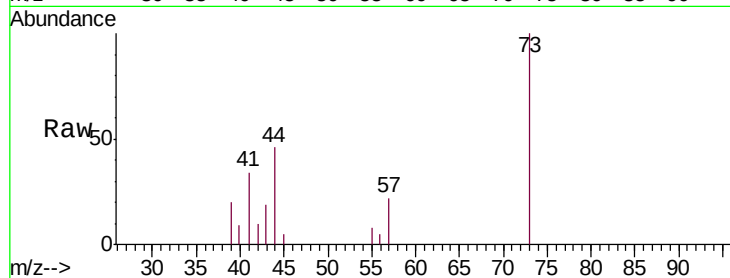
Tgt Ion: 73 Resp: 5584

Ion Ratio Lower Upper

73 100

43 12.0 16.0 24.0#

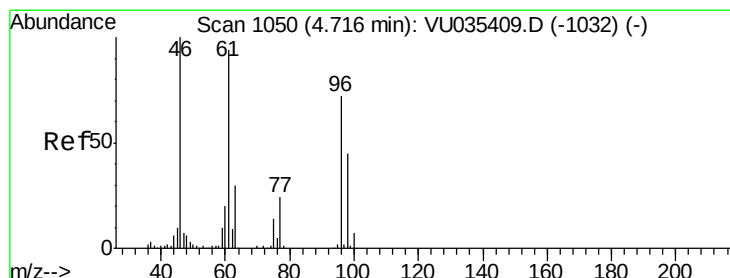
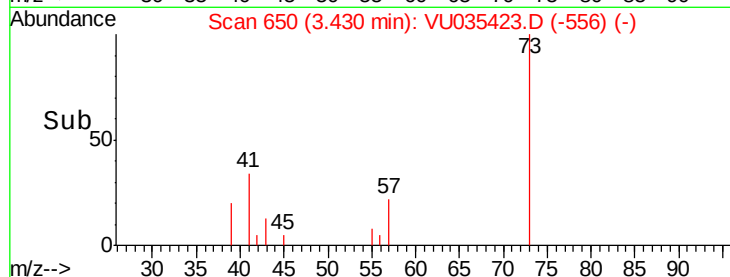
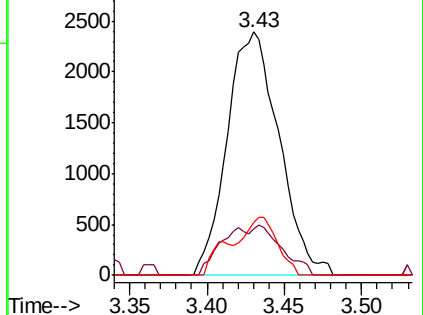
57 15.5 17.4 26.2#



Abundance Ion 73.10 (72.80 to 73.80): VU035409.D (-630) (-)

Ion 43.05 (42.75 to 43.75): VU035409.D (-630) (-)

Ion 57.10 (56.80 to 57.80): VU035409.D (-630) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.115 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035423.D

Acq: 23 Oct 2019 21:43

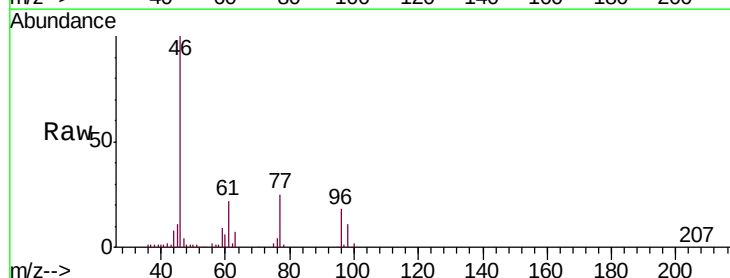
Tgt Ion: 96 Resp: 18147

Ion Ratio Lower Upper

96 100

61 117.9 89.7 166.5

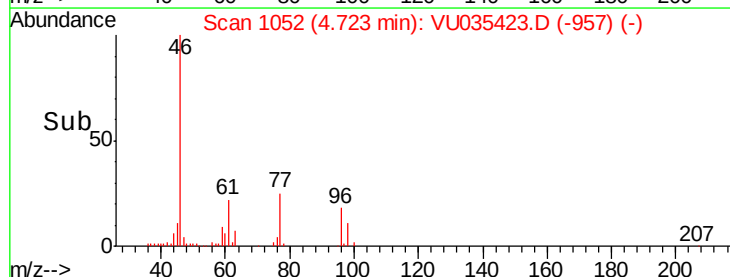
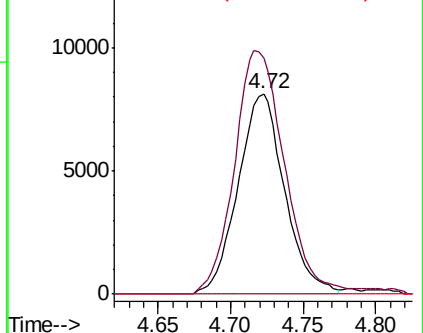
68 0.0 0.0 0.0

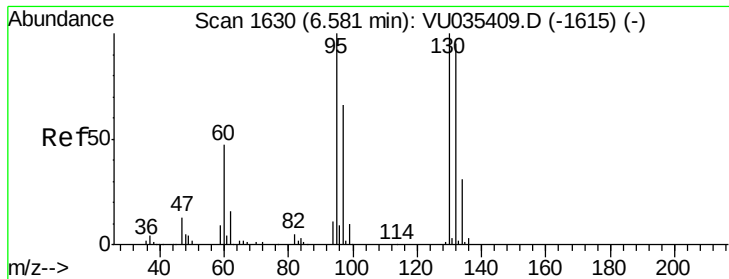


Abundance Ion 96.00 (95.70 to 96.70): VU035409.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035409.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035409.D (-1032) (-)





#34

Trichloroethene

Concen: 0.675 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035423.D

Acq: 23 Oct 2019 21:43

Instrument :

MSVOA_U

ClientSampleId :

H0G35

Tgt Ion: 95 Resp: 11545

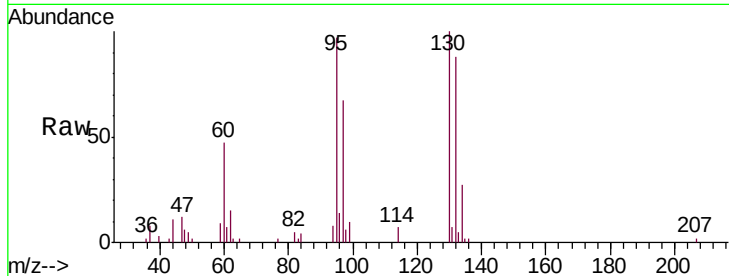
Ion Ratio Lower Upper

95 100

97 69.2 46.6 86.6

132 91.1 68.7 127.7

130 103.1 73.9 137.3

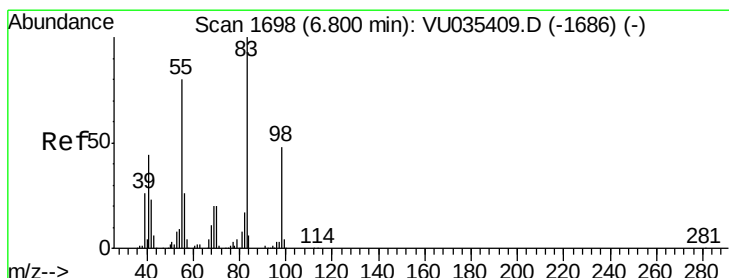
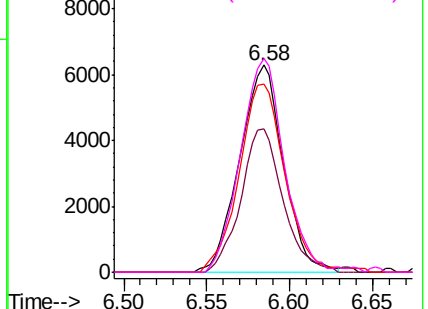
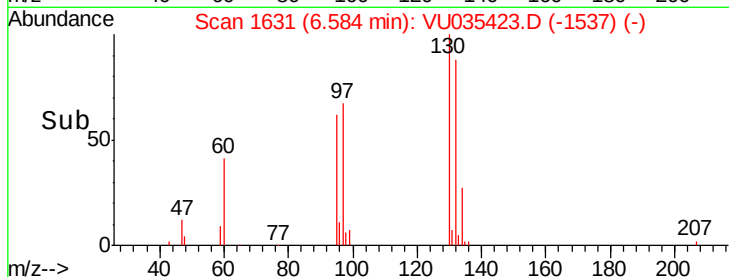


Abundance Ion 95.00 (94.70 to 95.70): VU035409.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035409.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035409.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035409.D (-1615) (-)



#35

Methylcyclohexane

Concen: 0.717 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035423.D

Acq: 23 Oct 2019 21:43

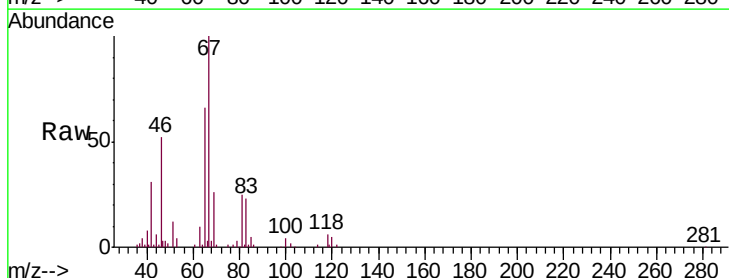
Tgt Ion: 83 Resp: 20497

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

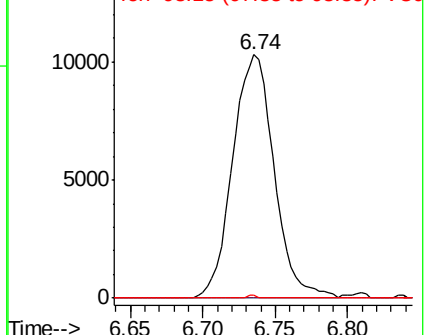
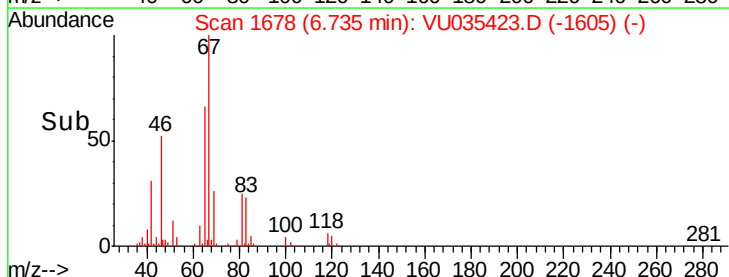
98 0.3 39.5 59.3#

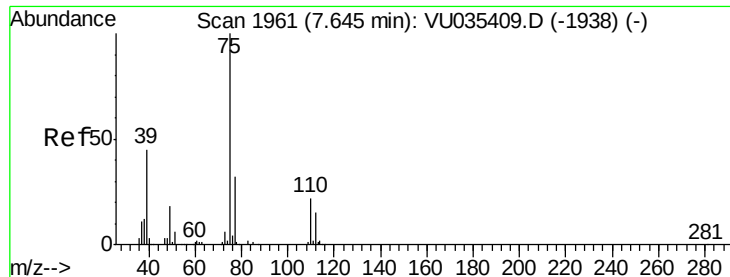


Abundance Ion 83.15 (82.85 to 83.85): VU035409.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035409.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035409.D (-1686) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035423.D

Acq: 23 Oct 2019 21:43

Instrument :

MSVOA_U

ClientSampleId :

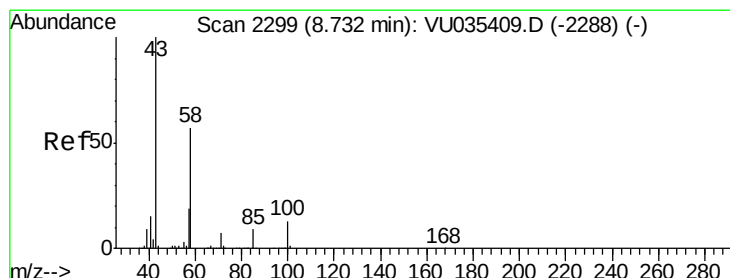
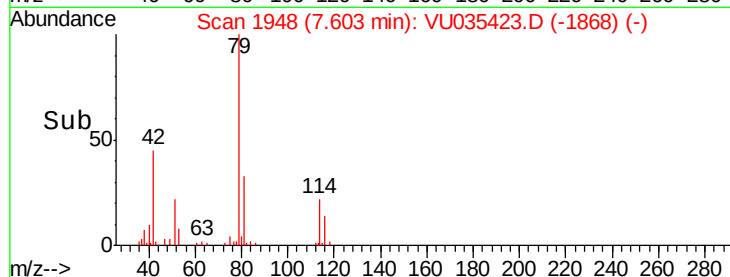
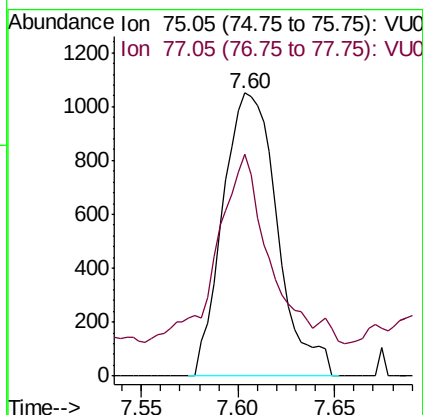
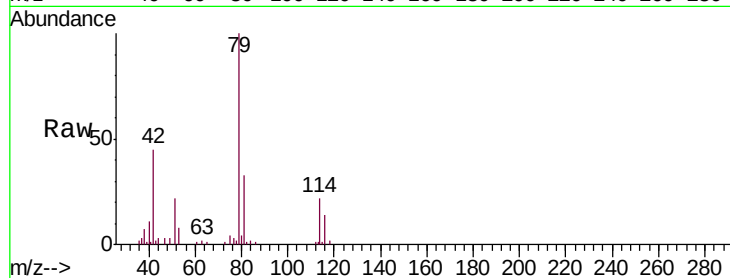
H0G35

Tgt Ion: 75 Resp: 2065

Ion Ratio Lower Upper

75 100

77 78.4 22.7 42.1#



#48

2-Hexanone

Concen: 2.075 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.04 min

Lab File: VU035423.D

Acq: 23 Oct 2019 21:43

Tgt Ion: 43 Resp: 15873

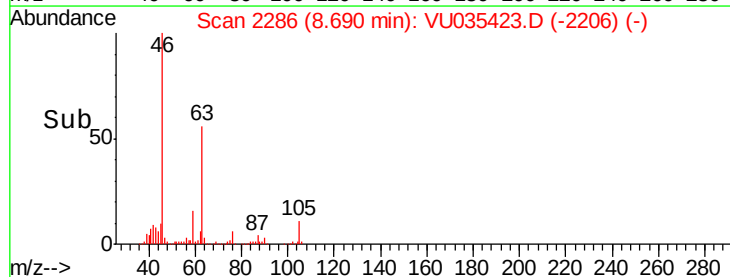
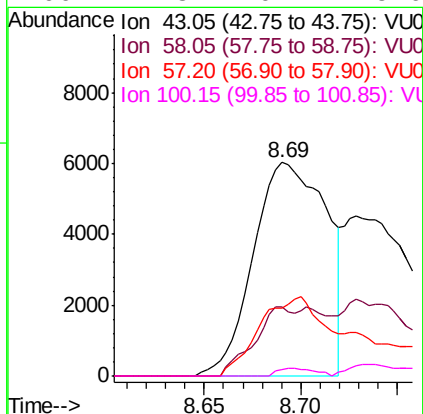
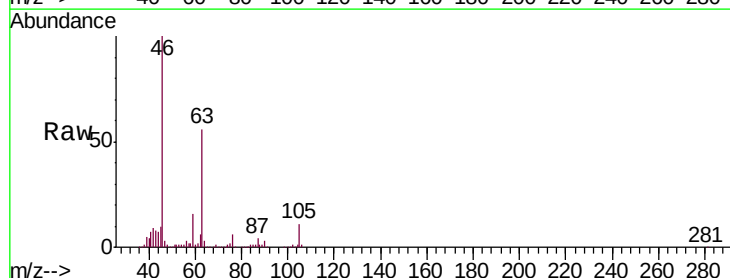
Ion Ratio Lower Upper

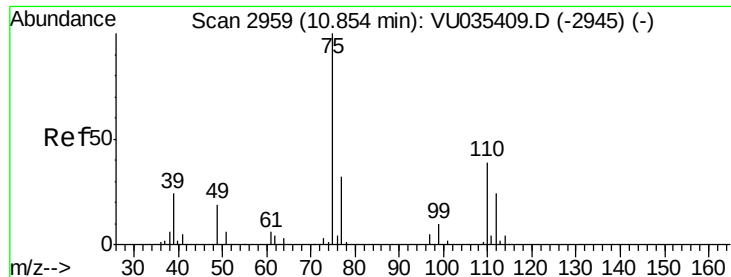
43 100

58 17.5 45.1 67.7#

57 34.2 16.0 24.0#

100 1.8 10.4 15.6#





#59
 1,2,3-Trichloropropane
 Concen: 0.777 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035423.D
 Acq: 23 Oct 2019 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G35

Tgt Ion: 75 Resp: 8749
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.2 39.2

