

Data File : VU035441.D
Acq On : 24 Oct 2019 06:47
Operator : JC/SP
Sample : K5509-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G43

Quant Time: Oct 24 07:54:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 07:51:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	210747	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	212312	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	63944	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	52263	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.93	69	54519	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.60	63	75543	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.70	46	240644	65.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.34%#
24) Chloroform-d	5.11	84	110283	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.75	65	72925	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.77	84	223451	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.74	67	83787	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.60%
41) Toluene-d8	7.93	98	181121	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
43) trans-1,3-Dichloropropene-	8.22	79	28696	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.69	63	153748	46.60	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.20%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	77525	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	57062	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	225515	12.342 ug/L	99
12) 1,1-Dichloroethene	2.61	96	4942	0.365 ug/L #	1
13) Acetone	2.62	43	7996	3.113 ug/L	53
15) Methyl Acetate	3.07	43	6061	0.947 ug/L #	51
17) Methyl tert-butyl Ether	3.43	73	761852	20.907 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	57476	3.934 ug/L	91
19) 1,1-Dichloroethane	3.92	63	33349	1.262 ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	1560812	96.644 ug/L	97
25) Chloroform	5.14	83	17394	0.600 ug/L	100
33) Benzene	5.82	78	24946	0.399 ug/L	100
34) Trichloroethene	6.58	95	1631953	97.171 ug/L	96
35) Methylcyclohexane	6.74	83	19171	0.683 ug/L #	18
47) Tetrachloroethene	8.58	164	19670	1.406 ug/L	96
48) 2-Hexanone	8.70	43	13488	1.797 ug/L #	62
49) Dibromochloromethane	8.58	129	18817	1.261 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	8300	0.751 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102319\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 07:51:06 2019
Response via : Initial Calibration

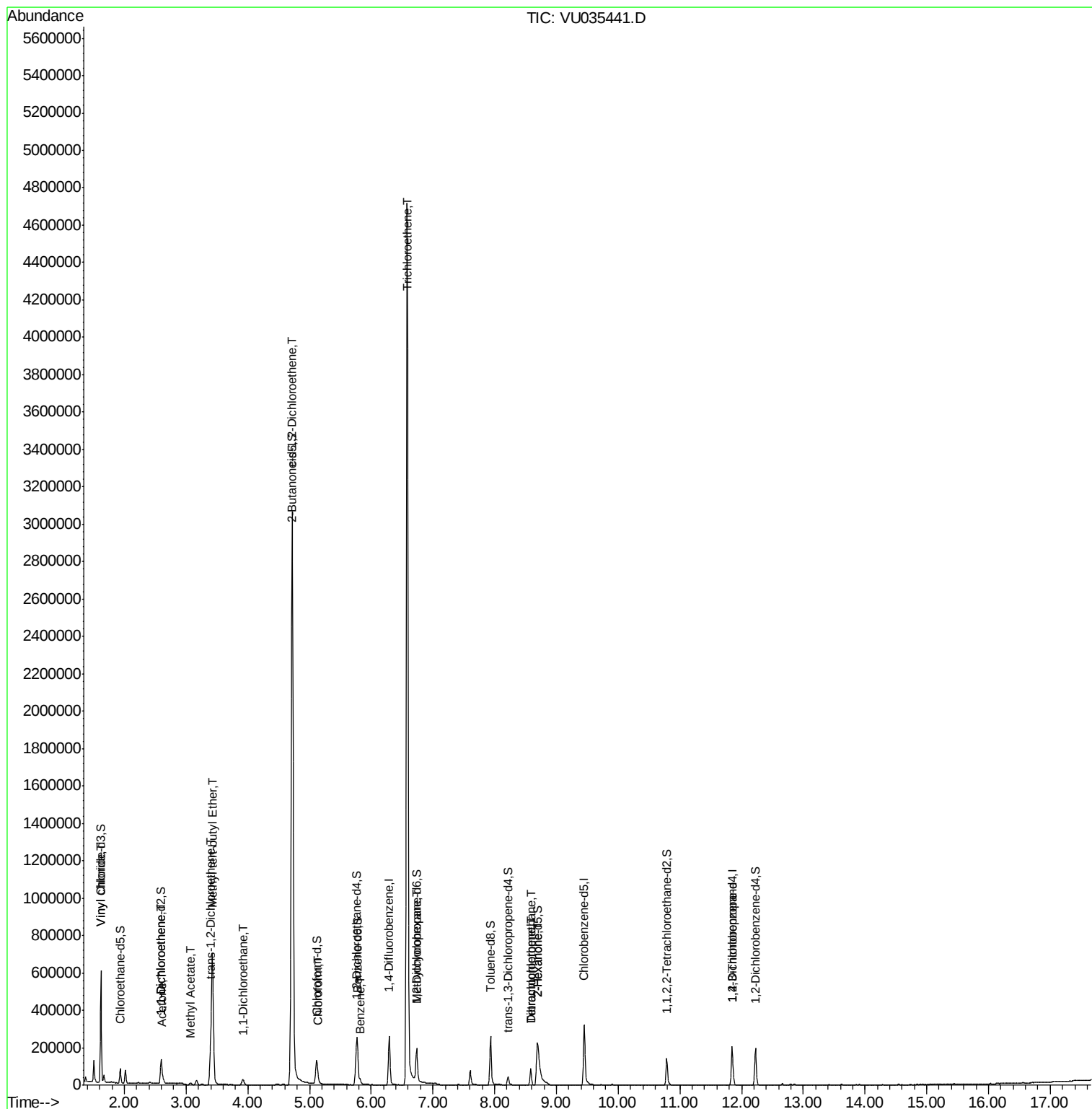
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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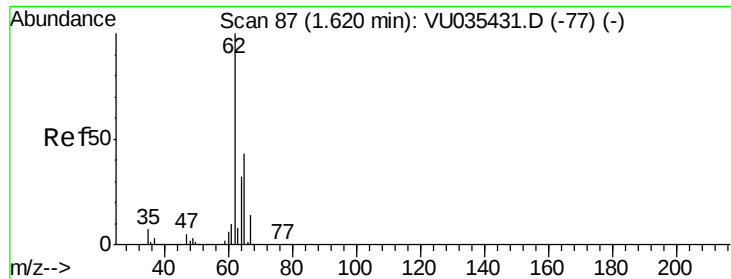
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 12.342 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035441.D

Acq: 24 Oct 2019 06:47

Instrument :

MSVOA_U

ClientSampleId :

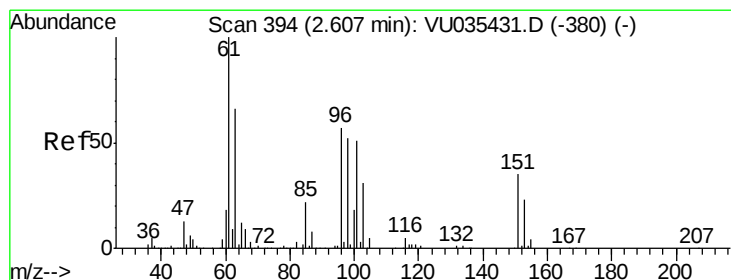
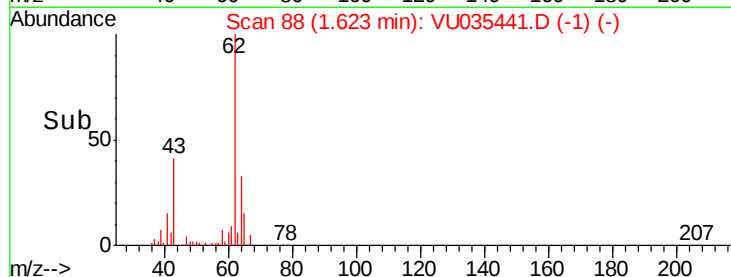
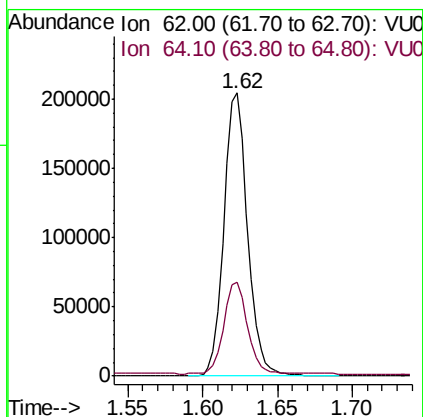
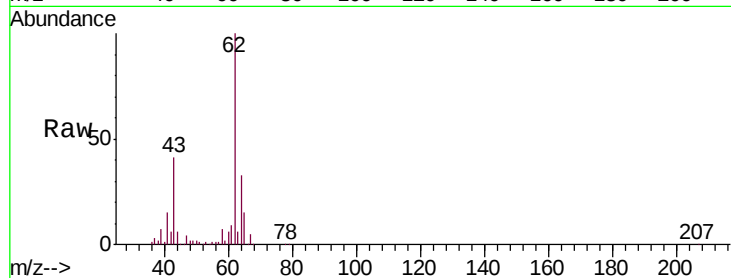
H0G43

Tgt Ion: 62 Resp: 225515

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.365 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035441.D

Acq: 24 Oct 2019 06:47

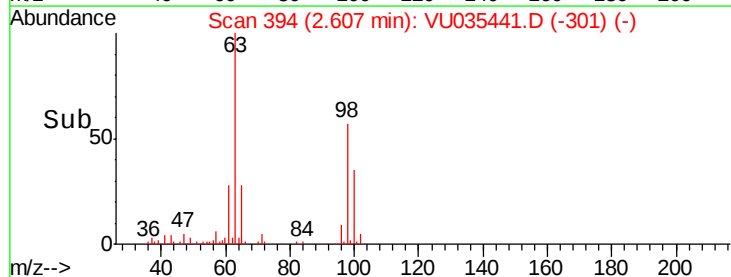
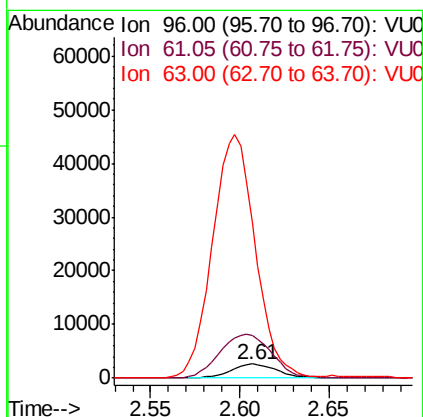
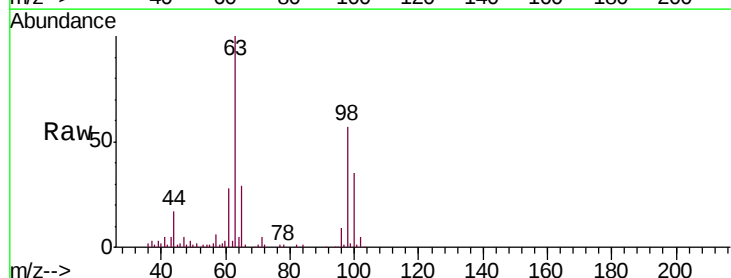
Tgt Ion: 96 Resp: 4942

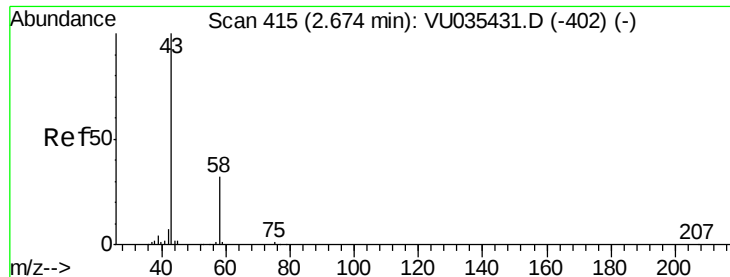
Ion Ratio Lower Upper

96 100

61 301.4 120.6 224.0#

63 1088.5 86.8 161.2#





#13

Acetone

Concen: 3.113 ug/L

RT: 2.62 min Scan# 399

Delta R.T. -0.05 min

Lab File: VU035441.D

Acq: 24 Oct 2019 06:47

Instrument :

MSVOA_U

ClientSampleId :

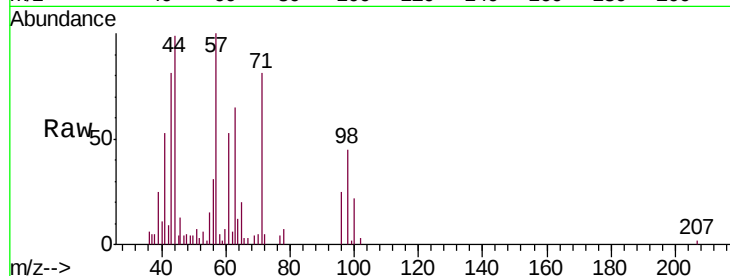
H0G43

Tgt Ion: 43 Resp: 7996

Ion Ratio Lower Upper

43 100

58 5.1 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035441.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU035441.D (-399) (-)

5000

4000

3000

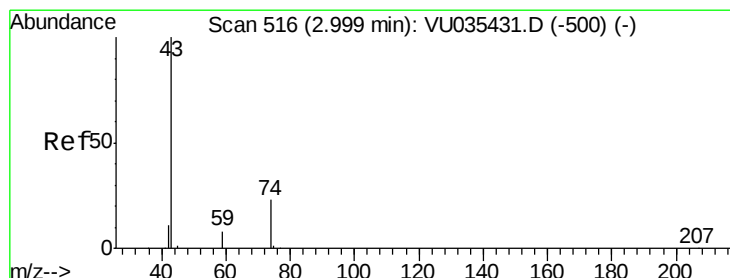
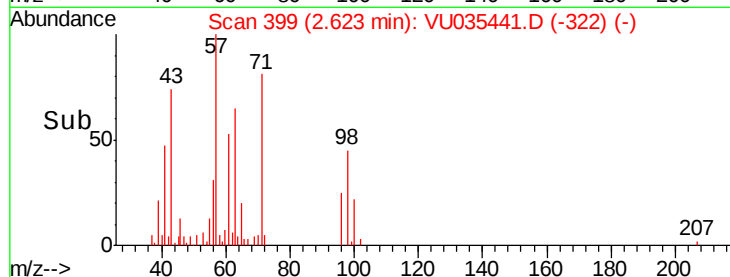
2000

1000

0

Time--> 2.55 2.60 2.65

2.62



#15

Methyl Acetate

Concen: 0.947 ug/L

RT: 3.07 min Scan# 538

Delta R.T. 0.07 min

Lab File: VU035441.D

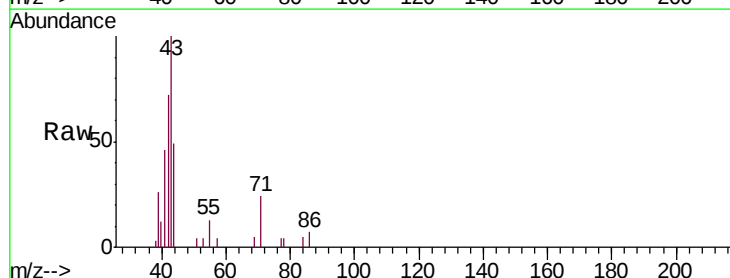
Acq: 24 Oct 2019 06:47

Tgt Ion: 43 Resp: 6061

Ion Ratio Lower Upper

43 100

74 0.8 20.3 30.5#



Abundance Ion 43.05 (42.75 to 43.75): VU035441.D (-538) (-)

Ion 74.05 (73.75 to 74.75): VU035441.D (-538) (-)

3000

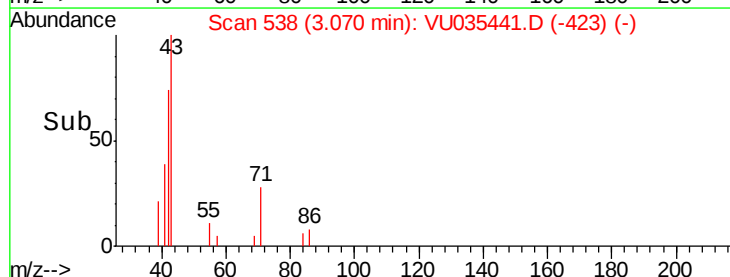
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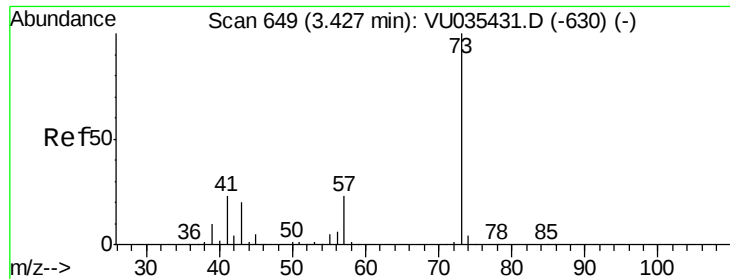
1000

0

Time--> 3.00 3.05 3.10 3.15

3.07

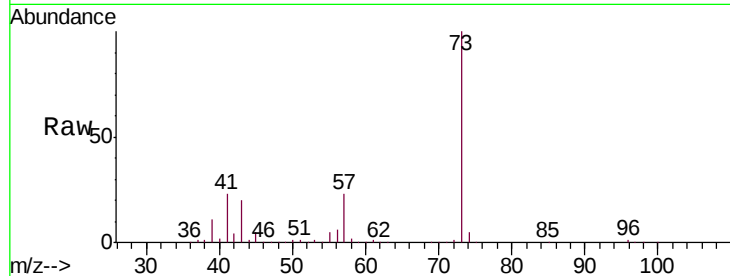




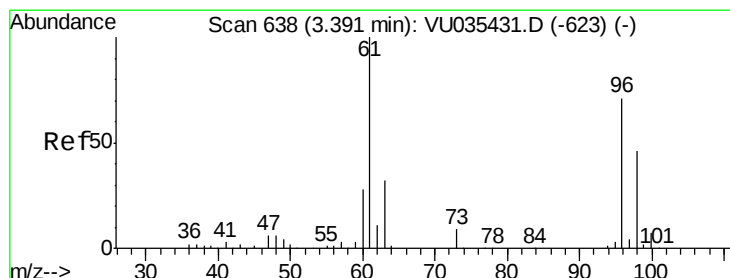
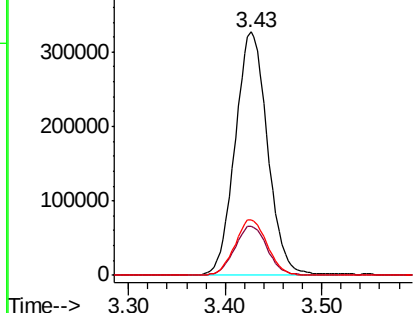
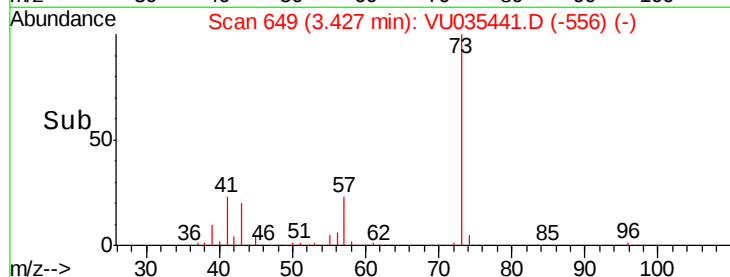
#17
Methyl tert-butyl Ether
Concen: 20.907 ug/L
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035441.D
Acq: 24 Oct 2019 06:47

Instrument :
MSVOA_U
ClientSampleId :
H0G43

Tgt Ion: 73 Resp: 761852
Ion Ratio Lower Upper
73 100
43 20.4 16.0 24.0
57 22.9 17.4 26.2

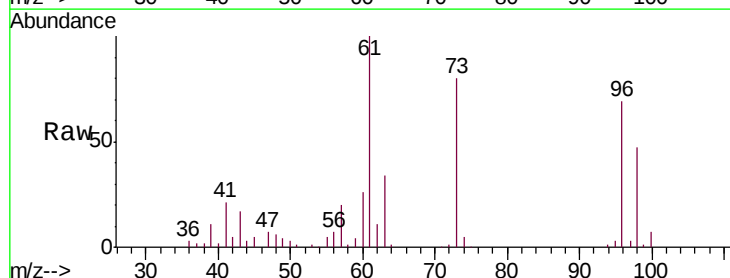


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

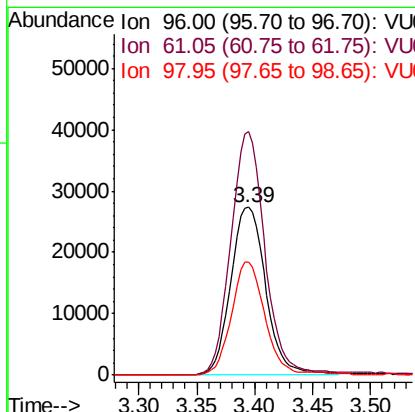
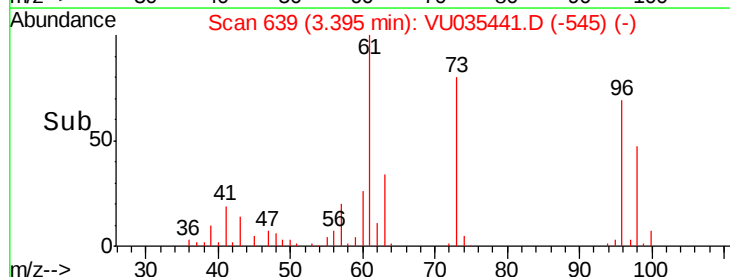


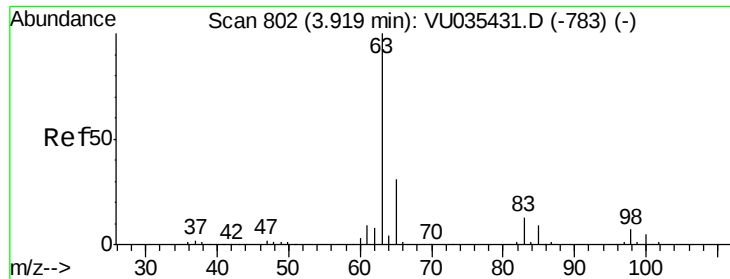
#18
trans-1,2-Dichloroethene
Concen: 3.934 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035441.D
Acq: 24 Oct 2019 06:47

Tgt Ion: 96 Resp: 57476
Ion Ratio Lower Upper
96 100
61 145.3 93.0 172.6
98 67.6 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

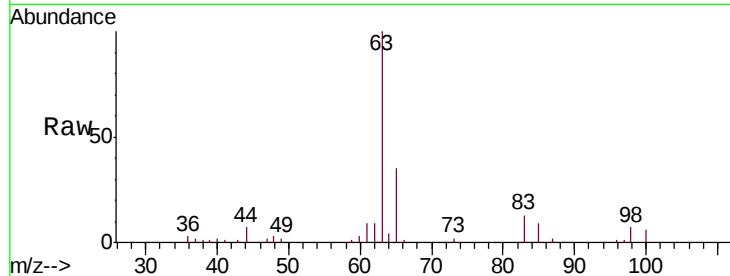




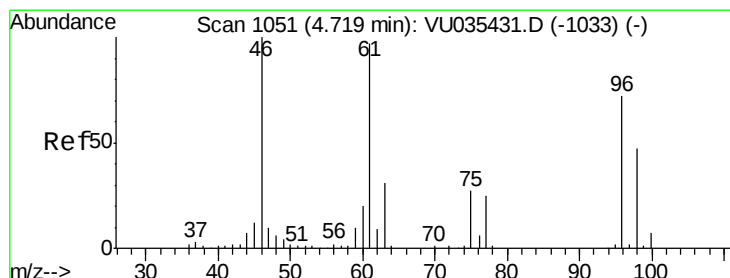
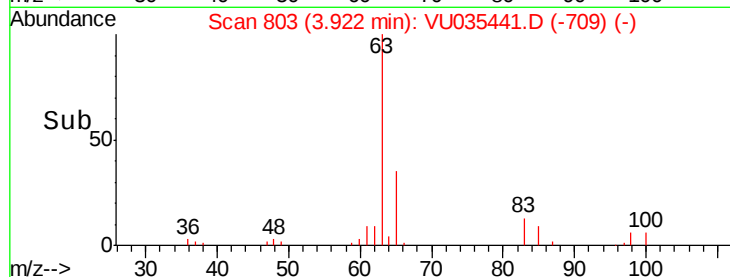
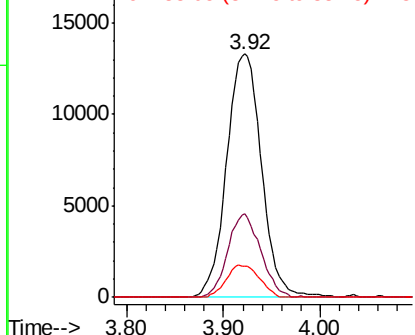
#19
 1,1-Dichloroethane
 Concen: 1.262 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035441.D
 Acq: 24 Oct 2019 06:47

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G43

Tgt Ion: 63 Resp: 33349
 Ion Ratio Lower Upper
 63 100
 65 34.5 22.4 41.6
 83 13.0 9.3 17.3

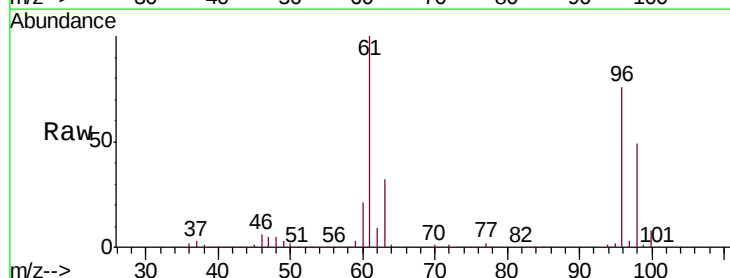


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

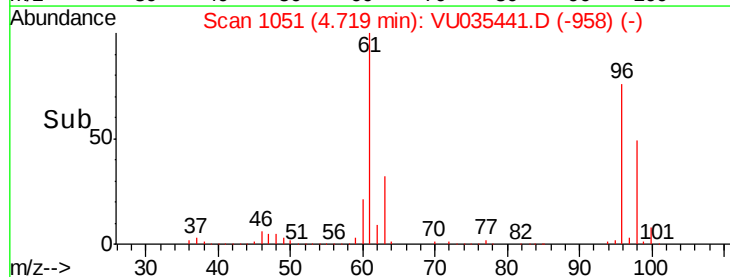
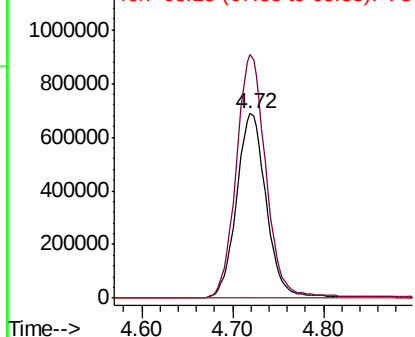


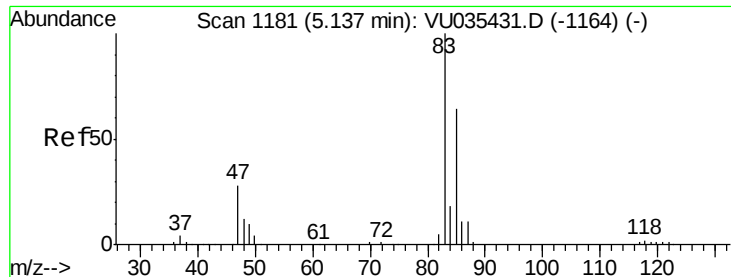
#22
 cis-1,2-Dichloroethene
 Concen: 96.644 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035441.D
 Acq: 24 Oct 2019 06:47

Tgt Ion: 96 Resp: 1560812
 Ion Ratio Lower Upper
 96 100
 61 132.1 89.7 166.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

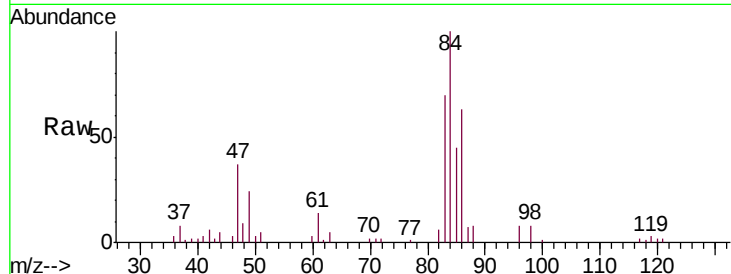




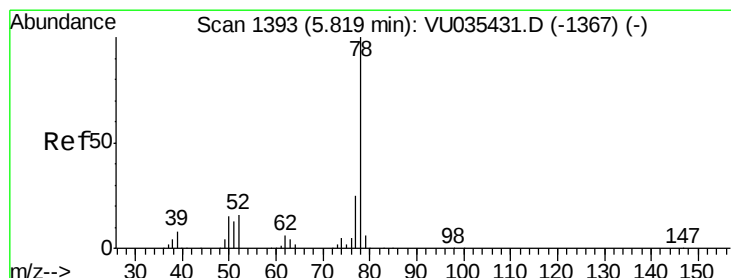
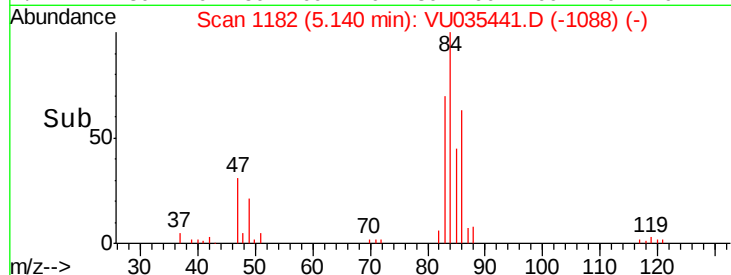
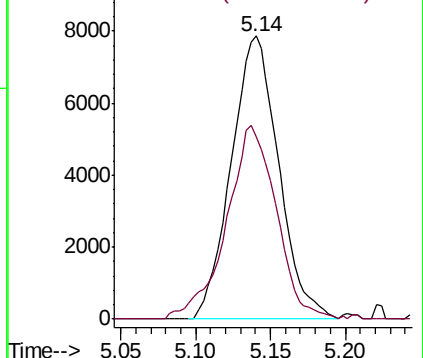
#25
Chloroform
Concen: 0.600 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035441.D
Acq: 24 Oct 2019 06:47

Instrument :
MSVOA_U
ClientSampleId :
H0G43

Tgt Ion: 83 Resp: 17394
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.9

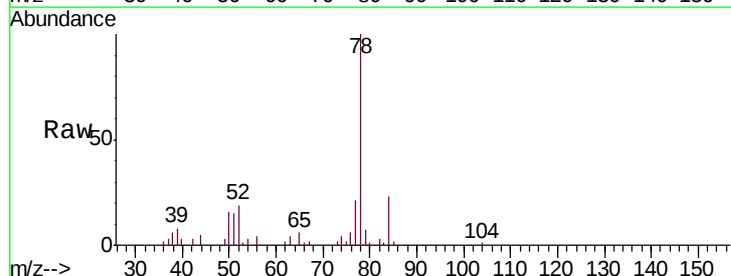


Abundance Ion 83.05 (82.75 to 83.75): VU035441.D (-1088) (-)
Ion 85.00 (84.70 to 85.70): VU035441.D (-1088) (-)

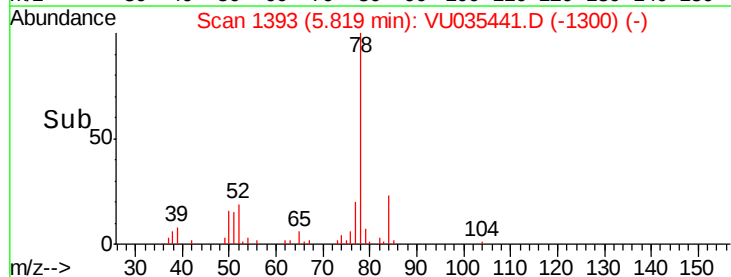
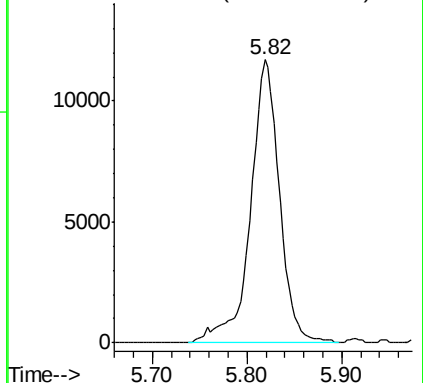


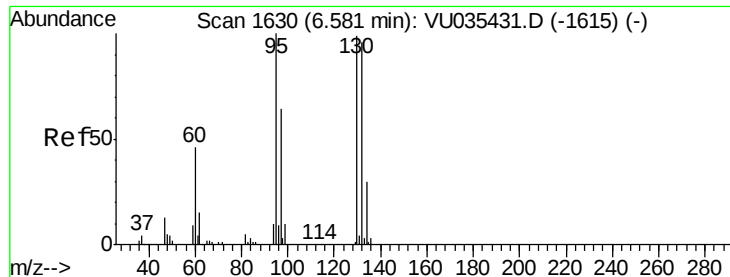
#33
Benzene
Concen: 0.399 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035441.D
Acq: 24 Oct 2019 06:47

Tgt Ion: 78 Resp: 24946



Abundance Ion 78.10 (77.80 to 78.80): VU035441.D (-1300) (-)

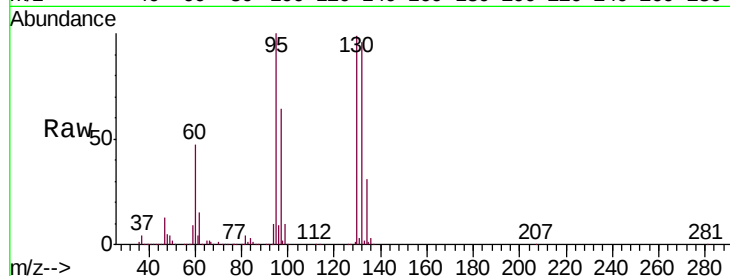




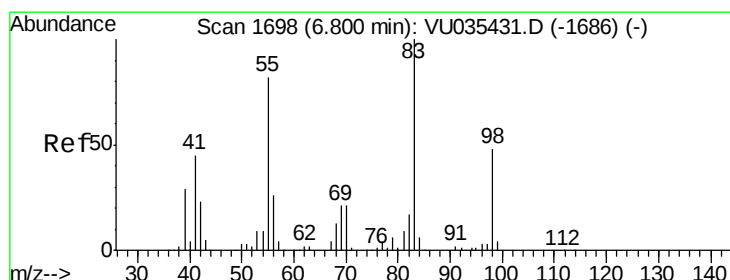
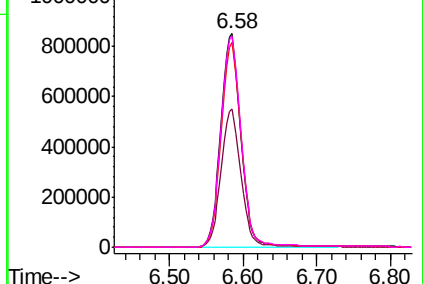
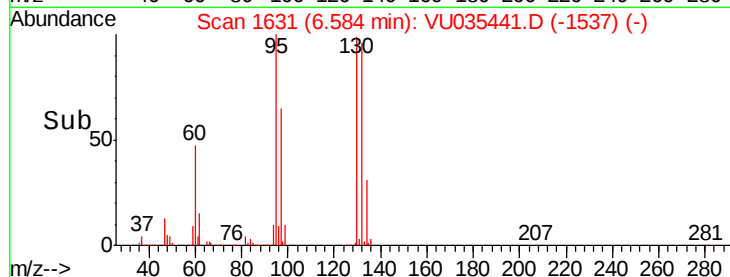
#34
 Trichloroethene
 Concen: 97.171 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035441.D
 Acq: 24 Oct 2019 06:47

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G43

Tgt Ion: 95 Resp: 1631953
 Ion Ratio Lower Upper
 95 100
 97 64.5 46.6 86.6
 132 95.9 68.7 127.7
 130 99.1 73.9 137.3

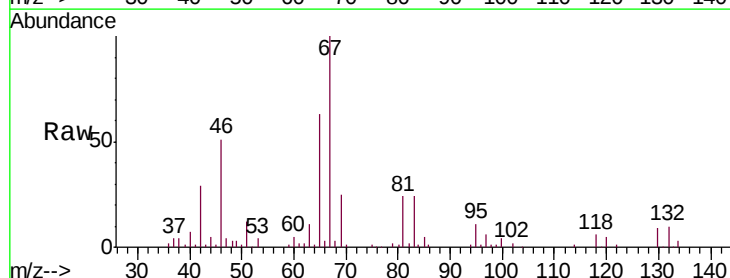


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

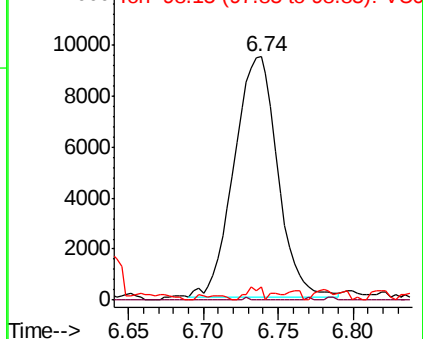
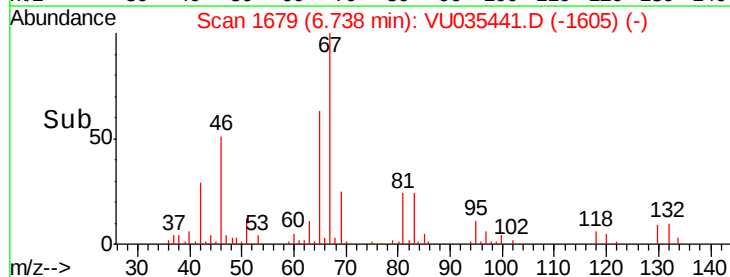


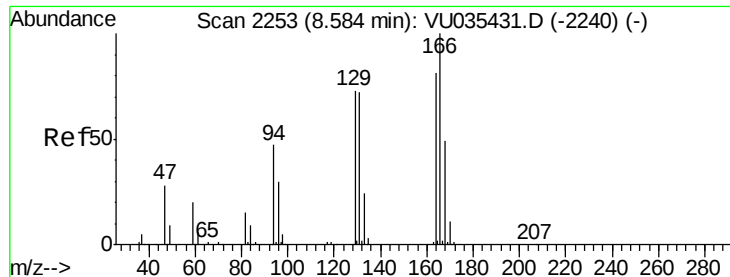
#35
 Methylcyclohexane
 Concen: 0.683 ug/L
 RT: 6.74 min Scan# 1679
 Delta R.T. -0.06 min
 Lab File: VU035441.D
 Acq: 24 Oct 2019 06:47

Tgt Ion: 83 Resp: 19171
 Ion Ratio Lower Upper
 83 100
 55 0.1 60.4 90.6#
 98 0.0 39.5 59.3#



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#47

Tetrachloroethene

Concen: 1.406 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035441.D

Acq: 24 Oct 2019 06:47

Instrument :

MSVOA_U

ClientSampled :

H0G43

Tgt Ion:164 Resp: 19670

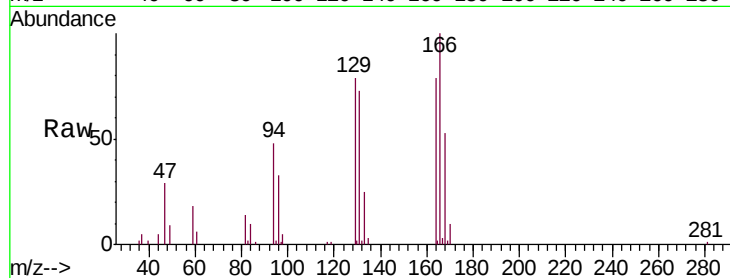
Ion Ratio Lower Upper

164 100

129 101.1 65.2 121.0

131 92.6 62.9 116.9

166 127.3 91.5 169.9

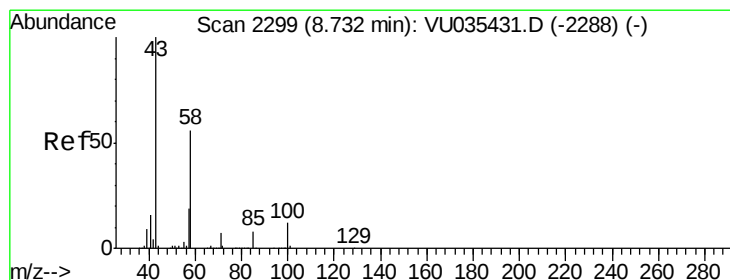
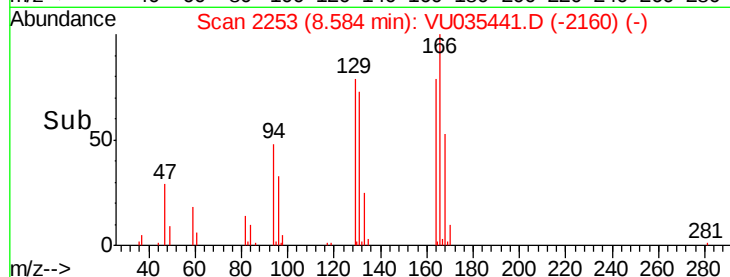
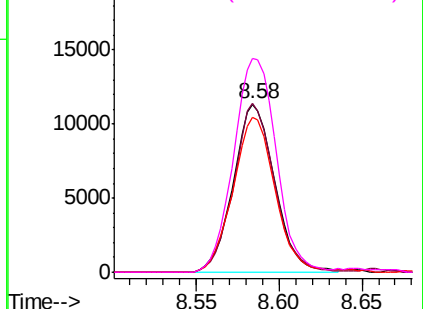


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.797 ug/L

RT: 8.70 min Scan# 2289

Delta R.T. -0.03 min

Lab File: VU035441.D

Acq: 24 Oct 2019 06:47

Tgt Ion: 43 Resp: 13488

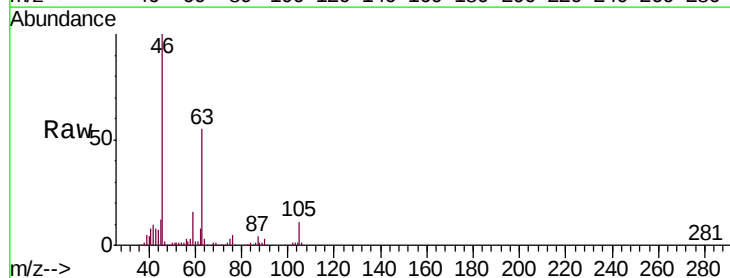
Ion Ratio Lower Upper

43 100

58 28.7 45.1 67.7#

57 0.0 16.0 24.0#

100 0.7 10.4 15.6#

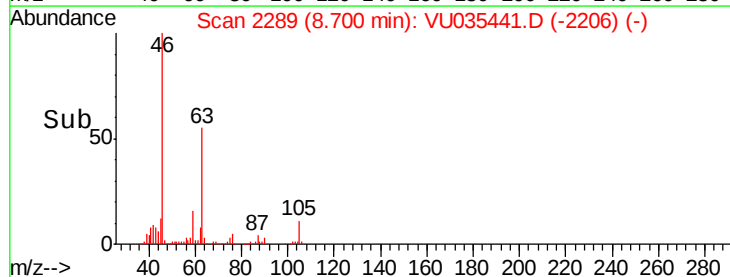
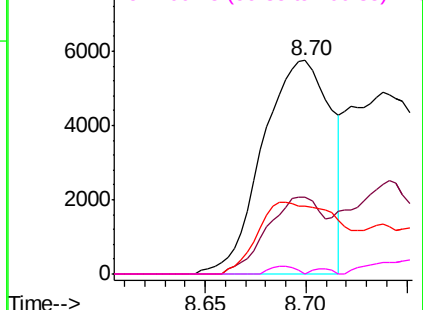


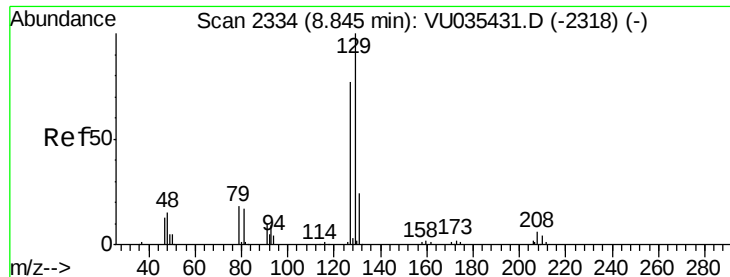
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 1.261 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035441.D

Acq: 24 Oct 2019 06:47

Instrument :

MSVOA_U

ClientSampleId :

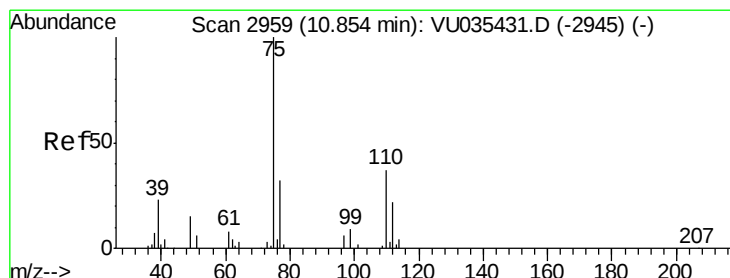
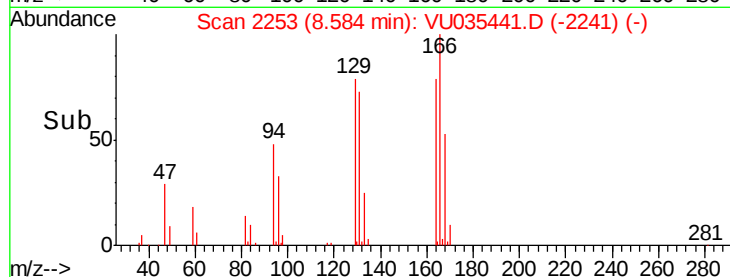
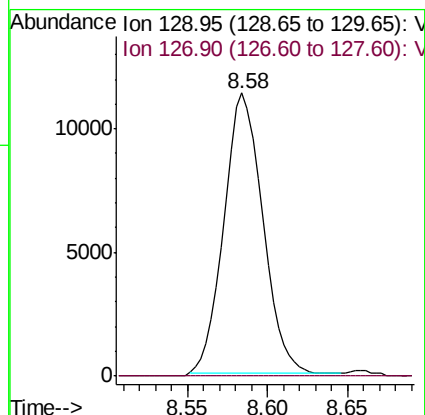
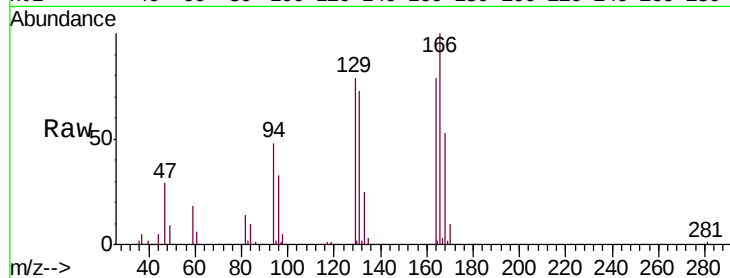
H0G43

Tgt Ion:129 Resp: 18817

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#



#59

1,2,3-Trichloropropane

Concen: 0.751 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035441.D

Acq: 24 Oct 2019 06:47

Tgt Ion: 75 Resp: 8300

Ion Ratio Lower Upper

75 100

77 33.9 26.2 39.2

