

Data File : VU035435.D
Acq On : 24 Oct 2019 04:19
Operator : JC/SP
Sample : K5488-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G09

Quant Time: Oct 24 07:54:00 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	210362	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	213378	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	64023	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	52117	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.93	69	57958	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.60	63	77978	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.70	46	219270	59.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.98%
24) Chloroform-d	5.11	84	128177	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.75	65	73798	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.77	84	227588	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.74	67	84677	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.93	98	182616	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.22	79	27431	3.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.00%
46) 2-Hexanone-d5	8.69	63	149090	44.96	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.92%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	78211	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
64) 1,2-Dichlorobenzene-d4	12.23	152	58564	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

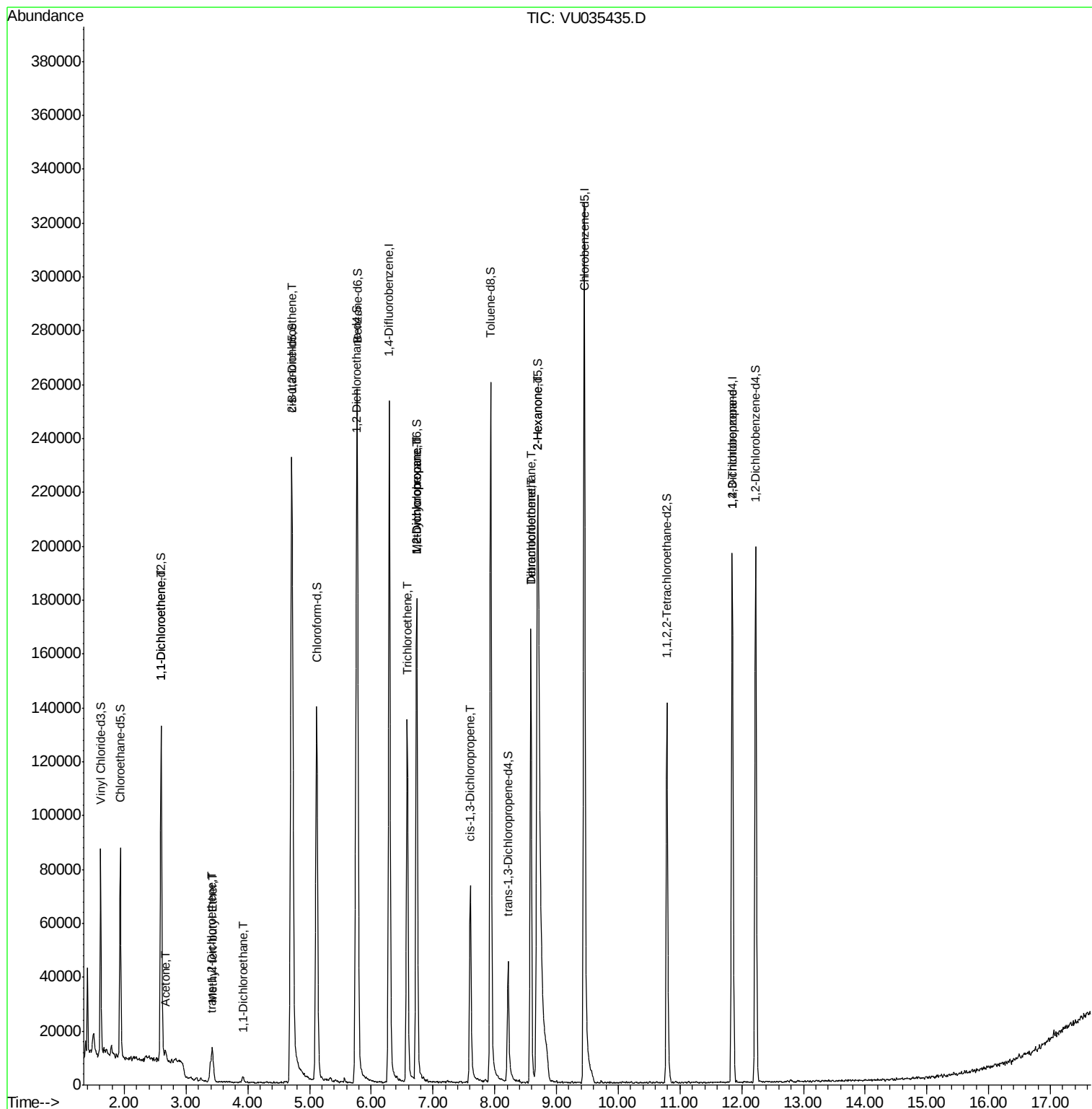
					Qvalue	
12) 1,1-Dichloroethene	2.60	96	824	0.061	ug/L #	1
13) Acetone	2.67	43	3198	1.247	ug/L	98
17) Methyl tert-butyl Ether	3.43	73	12200	0.335	ug/L #	90
18) trans-1,2-Dichloroethene	3.40	96	2733	0.187	ug/L	97
19) 1,1-Dichloroethane	3.92	63	2801	0.106	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	70243	4.357	ug/L	98
34) Trichloroethene	6.58	95	46636	2.763	ug/L	97
35) Methylcyclohexane	6.74	83	19442	0.689	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	9800	0.615	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2000	0.075	ug/L #	57
47) Tetrachloroethene	8.58	164	38133	2.712	ug/L	95
48) 2-Hexanone	8.70	43	12747	1.689	ug/L #	66
49) Dibromochloromethane	8.58	129	34491	2.299	ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	7862	0.708	ug/L	95

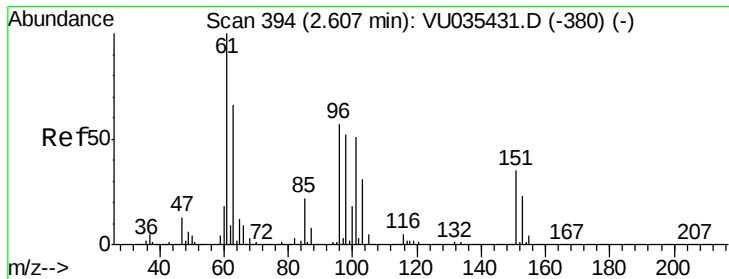
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

Instrument :

MSVOA_U

ClientSampleId :

H0G09

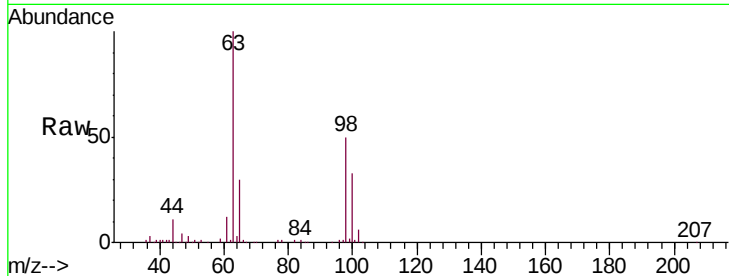
Tgt Ion: 96 Resp: 824

Ion Ratio Lower Upper

96 100

61 1206.9 120.6 224.0#

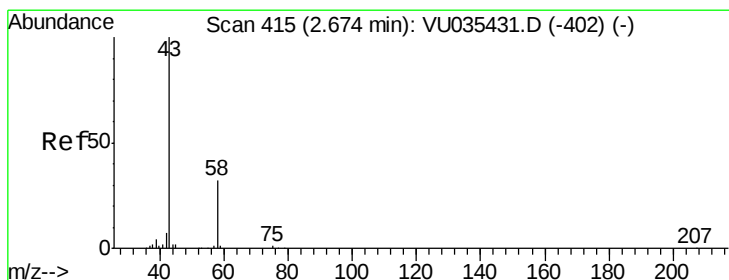
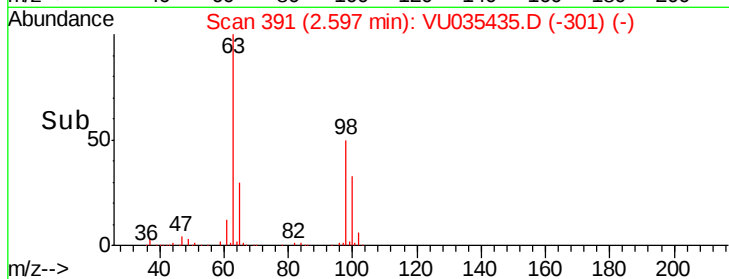
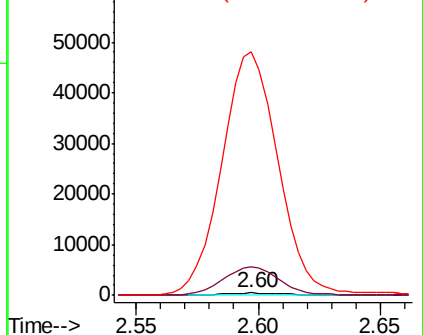
63 10431.2 86.8 161.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035431.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU035431.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU035431.D (-380) (-)



#13

Acetone

Concen: 1.247 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035435.D

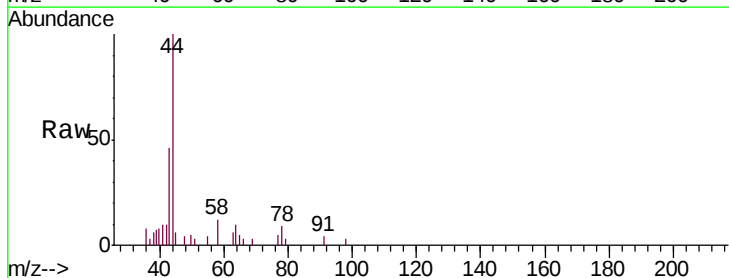
Acq: 24 Oct 2019 04:19

Tgt Ion: 43 Resp: 3198

Ion Ratio Lower Upper

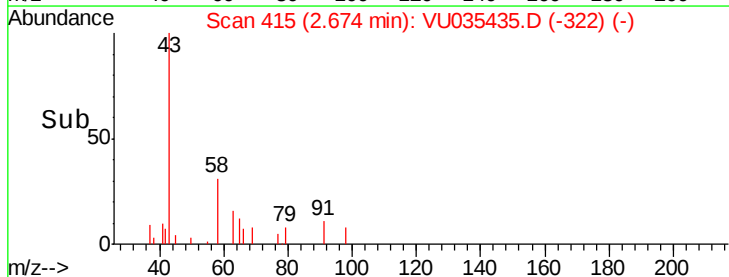
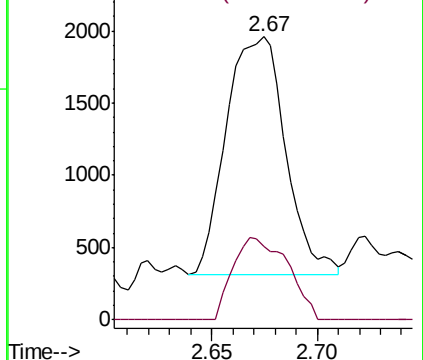
43 100

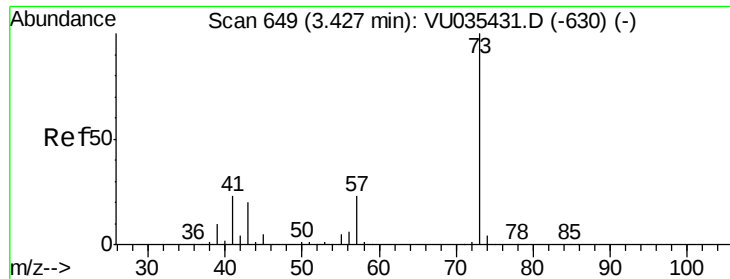
58 32.2 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035431.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035431.D (-402) (-)

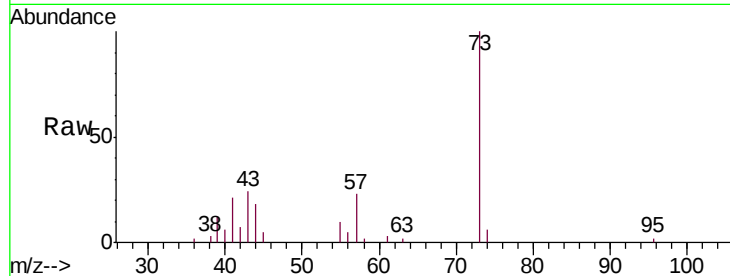




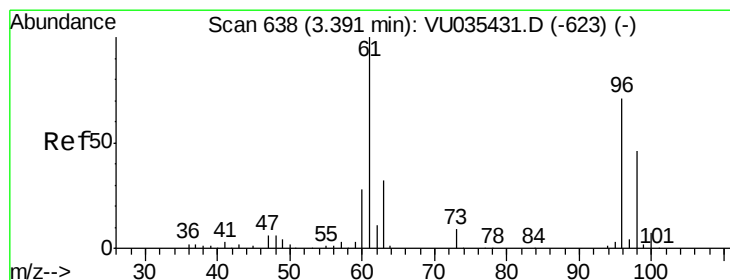
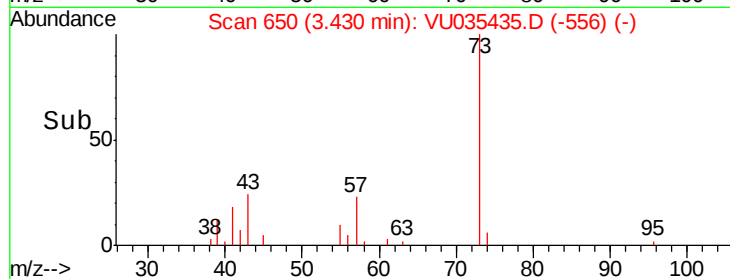
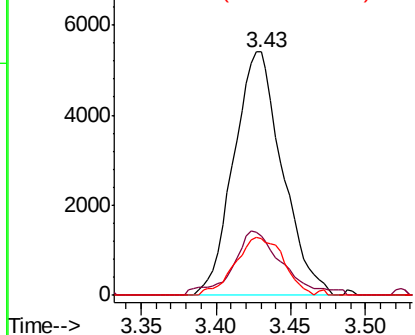
#17
Methyl tert-butyl Ether
Concen: 0.335 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035435.D
Acq: 24 Oct 2019 04:19

Instrument :
MSVOA_U
ClientSampleId :
H0G09

Tgt Ion: 73 Resp: 12200
Ion Ratio Lower Upper
73 100
43 27.2 16.0 24.0#
57 23.8 17.4 26.2

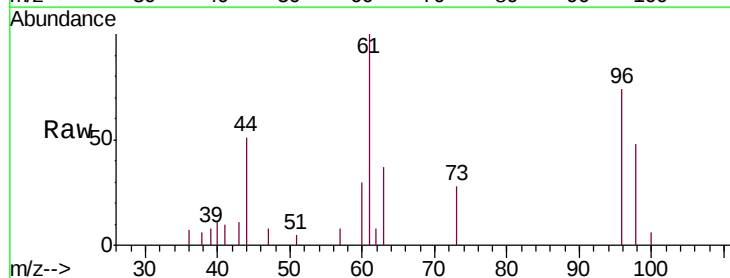


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

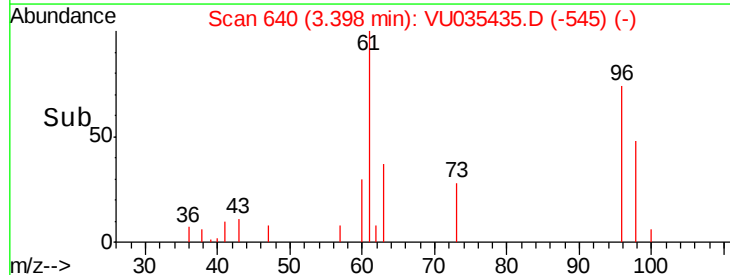
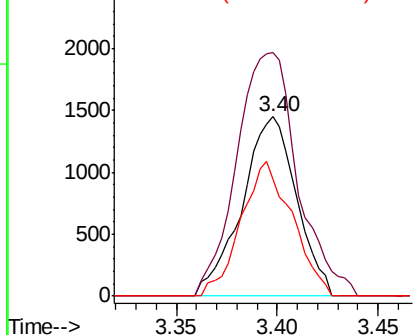


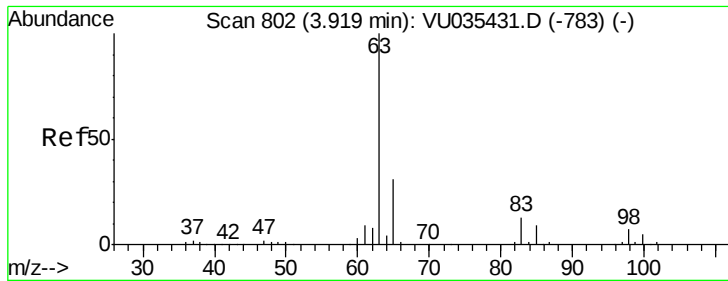
#18
trans-1,2-Dichloroethene
Concen: 0.187 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.01 min
Lab File: VU035435.D
Acq: 24 Oct 2019 04:19

Tgt Ion: 96 Resp: 2733
Ion Ratio Lower Upper
96 100
61 135.7 93.0 172.6
98 65.4 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: 0.106 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

Instrument :

MSVOA_U

ClientSampleId :

H0G09

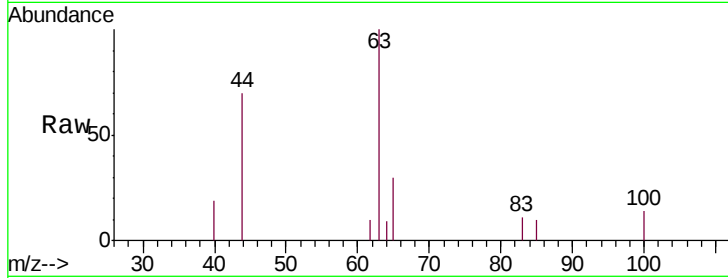
Tgt Ion: 63 Resp: 2801

Ion Ratio Lower Upper

63 100

65 30.4 22.4 41.6

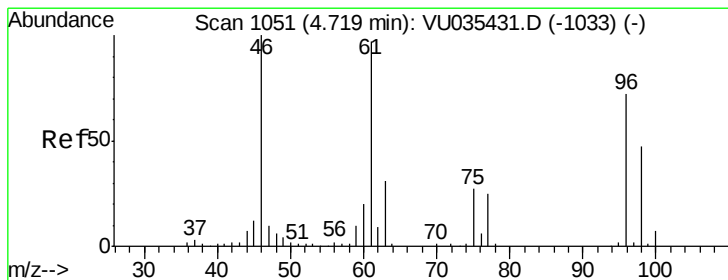
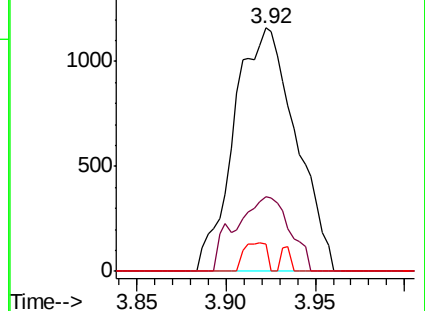
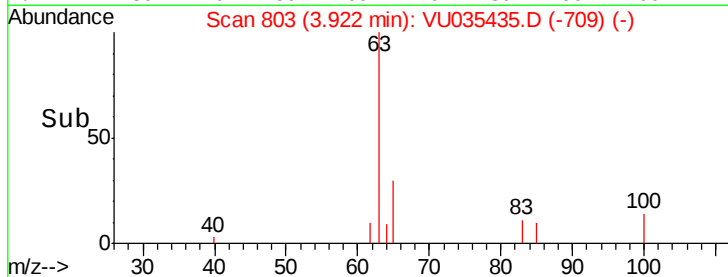
83 11.0 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035435.D (-783) (-)

Ion 65.10 (64.80 to 65.80): VU035435.D (-783) (-)

Ion 83.05 (82.75 to 83.75): VU035435.D (-783) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.357 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

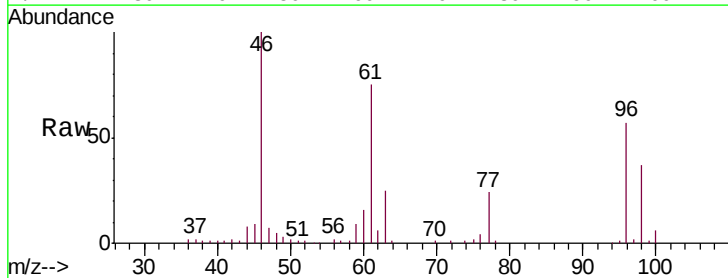
Tgt Ion: 96 Resp: 70243

Ion Ratio Lower Upper

96 100

61 130.7 89.7 166.5

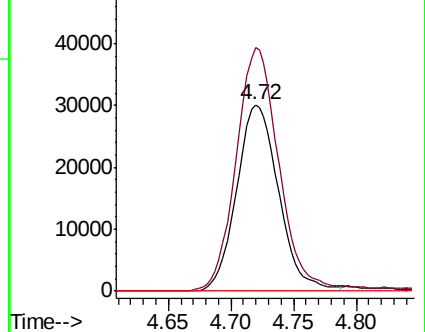
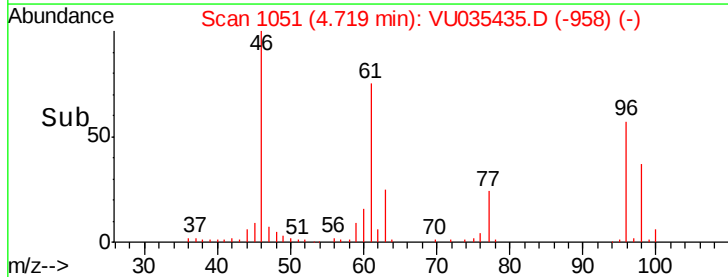
68 0.0 0.0 0.0

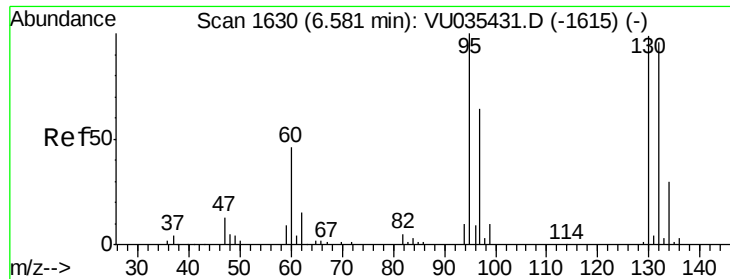


Abundance Ion 96.00 (95.70 to 96.70): VU035435.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035435.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035435.D (-958) (-)





#34

Trichloroethene

Concen: 2.763 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

Instrument :

MSVOA_U

ClientSampleId :

H0G09

Tgt Ion: 95 Resp: 46636

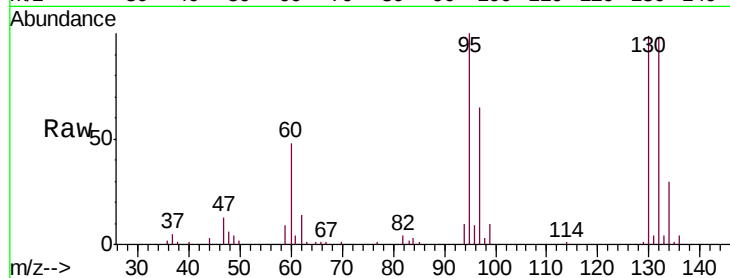
Ion Ratio Lower Upper

95 100

97 64.8 46.6 86.6

132 98.0 68.7 127.7

130 99.3 73.9 137.3

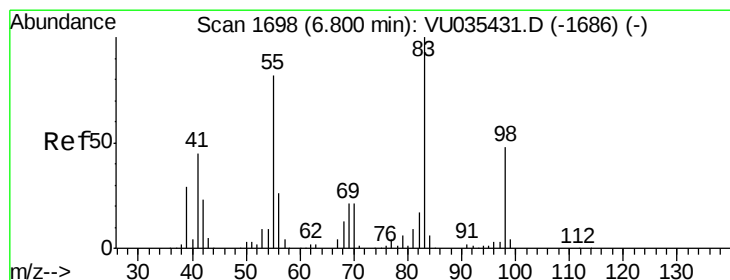
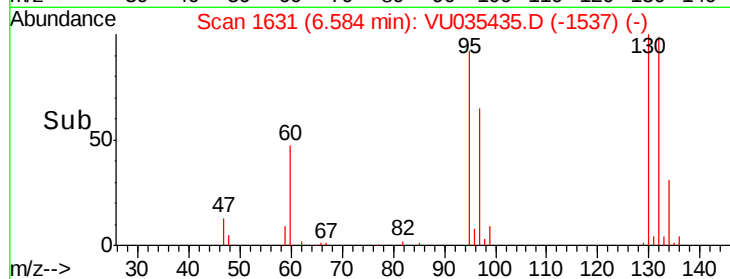
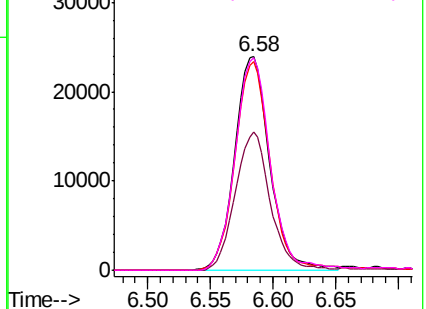


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.689 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

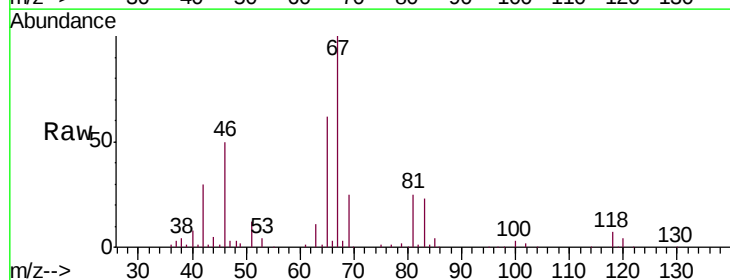
Tgt Ion: 83 Resp: 19442

Ion Ratio Lower Upper

83 100

55 0.4 60.4 90.6#

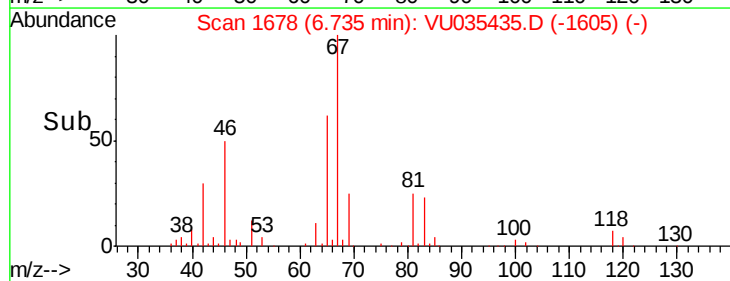
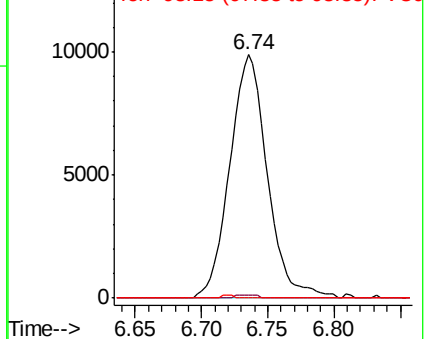
98 0.3 39.5 59.3#

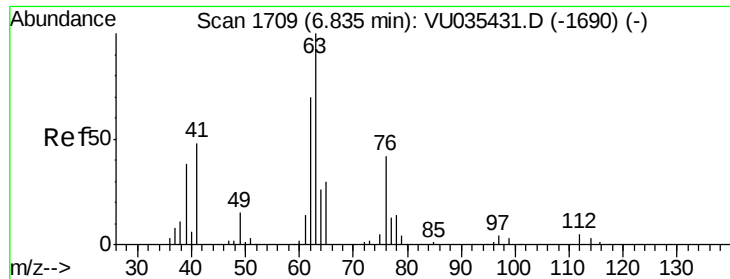


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

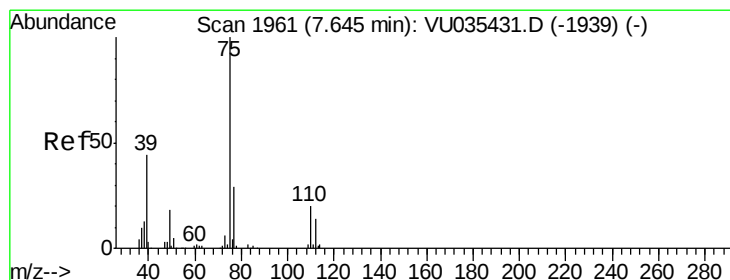
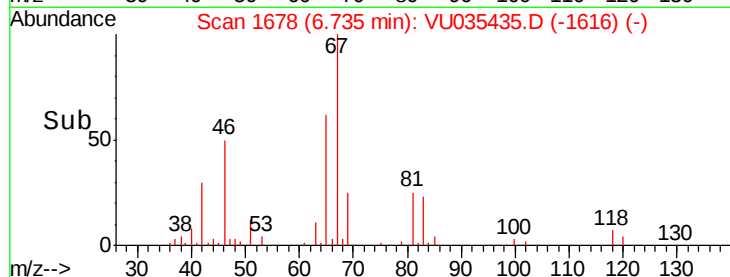
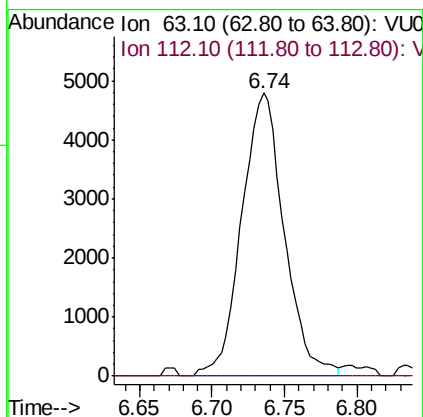
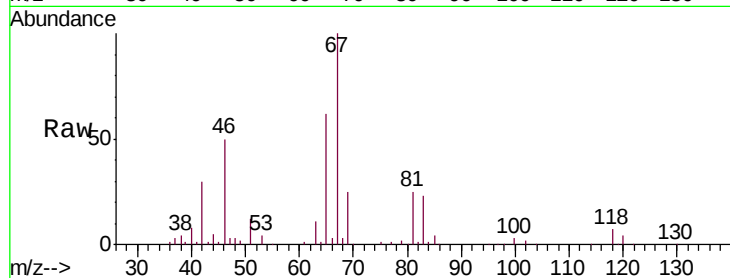




#37
 1,2-Dichloropropane
 Concen: 0.615 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035435.D
 Acq: 24 Oct 2019 04:19

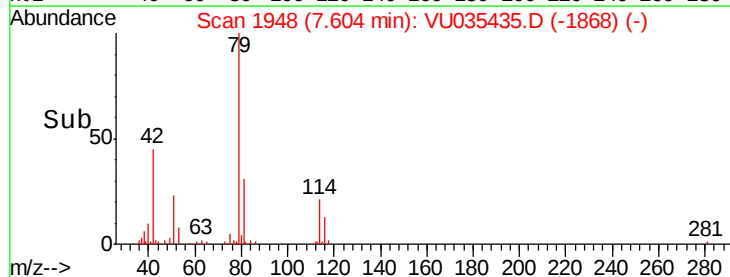
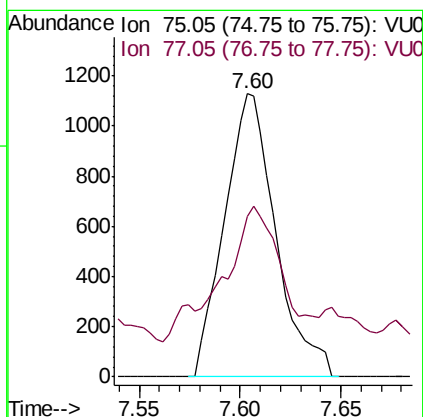
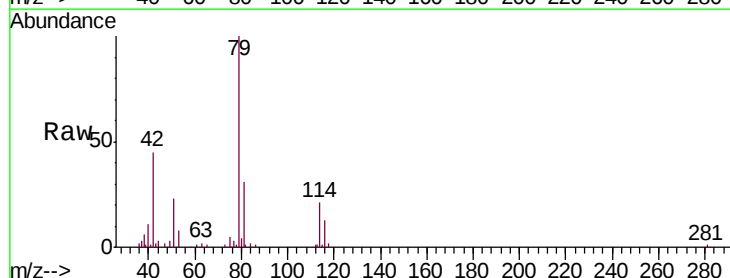
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G09

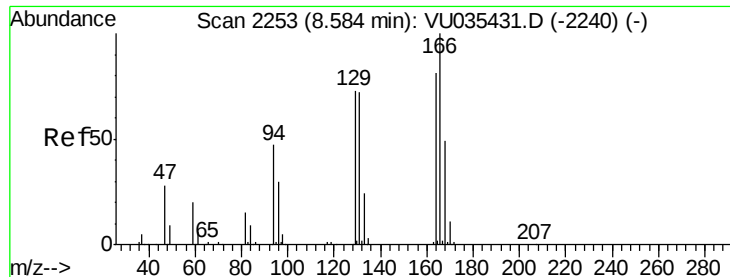
Tgt Ion: 63 Resp: 9800
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035435.D
 Acq: 24 Oct 2019 04:19

Tgt Ion: 75 Resp: 2000
 Ion Ratio Lower Upper
 75 100
 77 56.6 22.7 42.1#





#47

Tetrachloroethene

Concen: 2.712 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

Instrument :

MSVOA_U

ClientSampleId :

H0G09

Tgt Ion:164 Resp: 38133

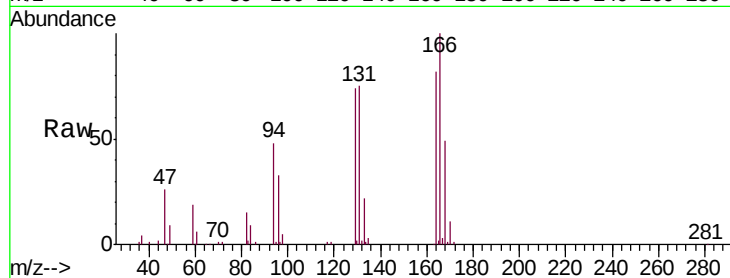
Ion Ratio Lower Upper

164 100

129 89.7 65.2 121.0

131 91.5 62.9 116.9

166 121.8 91.5 169.9

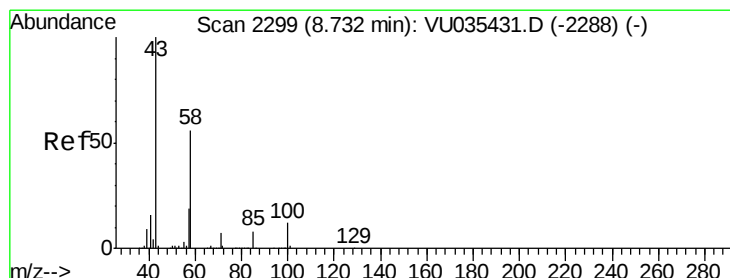
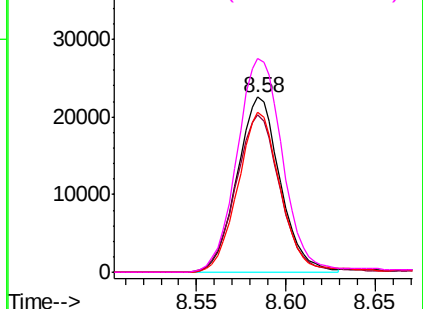
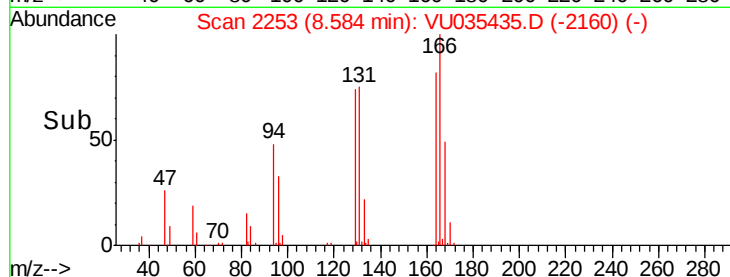


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.689 ug/L

RT: 8.70 min Scan# 2289

Delta R.T. -0.03 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

Tgt Ion: 43 Resp: 12747

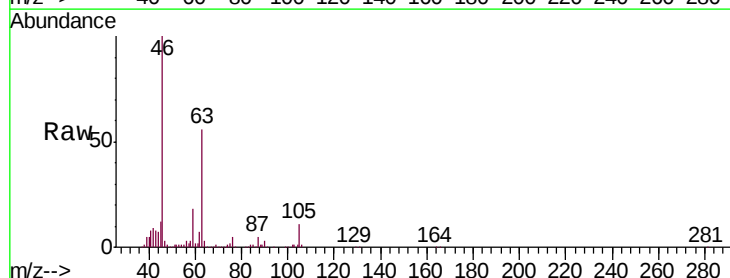
Ion Ratio Lower Upper

43 100

58 25.8 45.1 67.7#

57 28.4 16.0 24.0#

100 2.3 10.4 15.6#

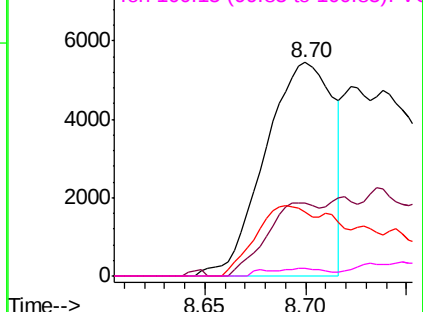
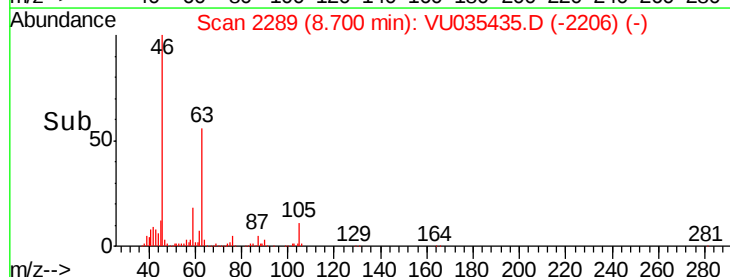


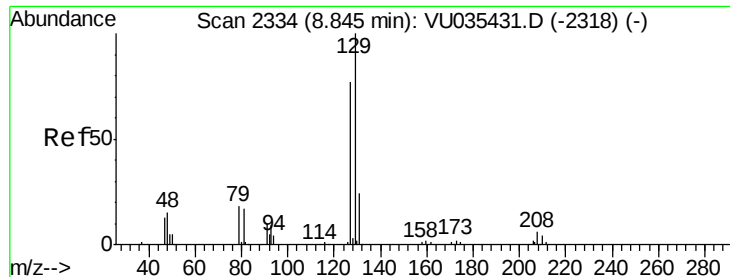
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 2.299 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

Instrument :

MSVOA_U

ClientSampleId :

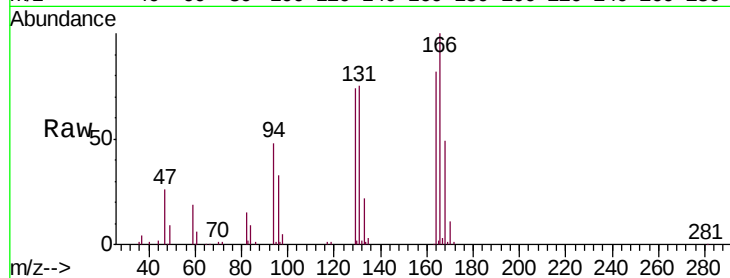
H0G09

Tgt Ion:129 Resp: 34491

Ion Ratio Lower Upper

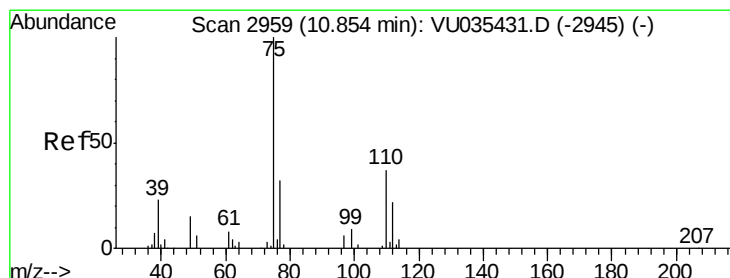
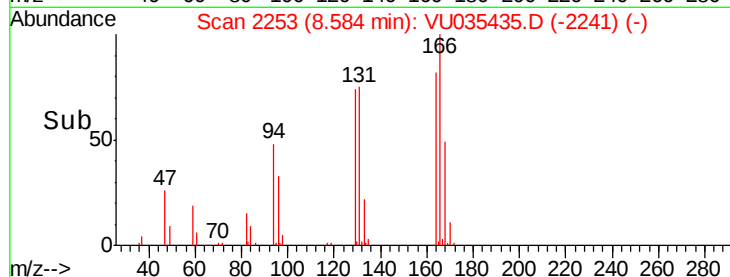
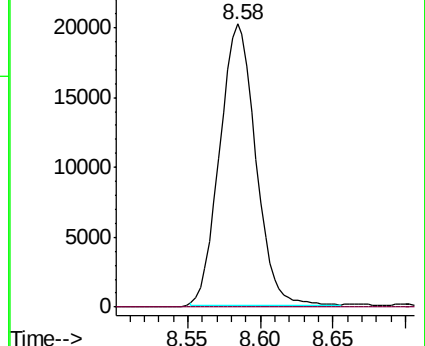
129 100

127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.708 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035435.D

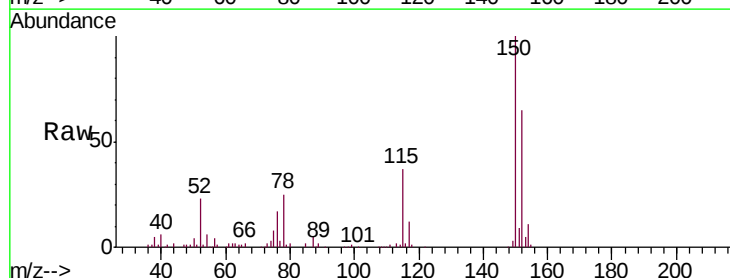
Acq: 24 Oct 2019 04:19

Tgt Ion: 75 Resp: 7862

Ion Ratio Lower Upper

75 100

77 35.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

